Duke Energy

DAVE BAXTER
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Oconee Nuclear Station

Duke Energy
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March 6, 2009

U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Attention: Document Control Desk

Subject: Duke Energy Carolinas, LLC
Oconee Nuclear Station, Unit 2
Docket No. 50-270
2EOC23 Refueling Outage
Steam Generator Inservice Inspection Report

Per American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Subsubarticles IWA-6230 and IWA-6240, attached for your review is a summary report specific to the Steam Generator Tube Inservice Inspection activities conducted during Unit 2 EOC-23 Refueling Outage.

The Oconee Nuclear Station Technical Specification (TS) 5.5.10 establishes the Steam Generator (SG) tube surveillance program requirements for SGs. TS 5.6.8 requires the results of a SG Tube Inservice Inspection be reported to the NRC within 180 days following completion of the inspection.

Therefore, the results of the SG Tube Inservice Inspection performed during the Unit 2 End of Cycle 23 refueling outage are submitted at this time for your review.

Please address any questions to Corey A. Gray at (864) 873-6325.

Sincerely,

Dave Baxter,
Site Vice President,
Oconee Nuclear Station

Enclosures

A047
NRR

xc w/enclosures:

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Region II Administrator
U.S. Nuclear Regulatory Commission
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U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
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xc w/o enclosures:

Andy Hutto
NRC Senior Resident Inspector
Oconee Nuclear Station

Susan Jenkins
Section Manager
Division of Waste Management
Bureau of Land and Waste Management
SC Dept. of Health & Environment Control
2600 Bull St.
Columbia SC 29201

Steam Generator
In-service Inspection Summary Report

Oconee Nuclear Station
Unit 2 EOC 23
Fall Outage 2008

Location: 7800 Rochester Highway, Seneca, South Carolina 29672

NRC Docket No. 50-270

National Board No. N/A

Commercial Service Date: September 9, 1974

Owner: Duke Energy Carolinas, LLC
526 South Church St.
Charlotte, N.C. 28202

Revision 0

Prepared By: Jeff Gilreath Date: 12-18-08

Checked By: Eileen E. Hurley Date: 12/18/08

Approved By: P.W. Downing Date: 1/15/09

Document Completion Date: 1/20/09

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner: Duke Energy Carolinas, LLC, 526 S. Church St. Charlotte, NC 28202
   (Name and Address of Owner)

2. Plant: Oconee Nuclear Station, 7800 Rochester Highway, Seneca, SC 29672
   (Name and Address of Plant)

3. Plant Unit: 2

4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date: September 9, 1974

6. National Board Number for Unit N/A

7. Components Inspected:

Component	Manufacturer	Manufacturer Serial No.	State or Province No.	National Board No.
Steam Generator 2A	Babcock & Wilcox- Canada	006K03	N/A	207
Steam Generator 2B	Babcock & Wilcox- Canada	006K04	N/A	208

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is $8^1/_2$ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates: May 30, 2007 To December 12, 2008

9. Inspection Period Identification: Second Period

10. Inspection Interval Identification: Fourth Interval

11. Applicable Edition of Section XI: 1998 Addenda 2000

12. Date/Revision of Inspection Plan: August 26, 2008 / revision 0

13. Abstract of Examinations and Test. Reference attached response to technical specification 5.6.8, Steam Generator Tube Inspection Report.

14. Abstract of Results of Examination and Tests. Reference attached response to technical specification 5.6.8, Steam Generator Tube Inspection Report.

15. Abstract of Corrective Measures. Reference attached response to technical specification 5.6.8, Steam Generator Tube Inspection Report.

We certify that a) the statements made in this report are correct b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date December 18, 20 08 Signed Duke Energy Carolinas, LLC Owner By Jeff Gilreath

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of North Carolina employed by *The HSB CT., have inspected the components described in this Owner's Report during the period May 30, 2007 to December 12, 2008 and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, test, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection

Inspector's Signature Commissions NC1444NIABC

National Board, State, Province, and Endorsements

Date 1-7 2009

* The Hartford Steam Boiler of Connecticut
200 Ashford Center North Suite 205 Atlanta, GA. 30338

Attachment to Form NIS-1

Oconee 2 EOC 23 Steam Generator Tube Inspection Report

Pursuant to Oconee technical specification 5.6.8 the following information is provided:

a. **The scope of inspections performed on each SG**
The scope of the inspection performed on both 2A & 2B steam generators included 100% of the active tubes in each Replacement Once Through Steam Generator (ROTSG) consisting of approximately 50% of the tubes each with the bobbin and x-probe. Special Interest (array) was also performed on selected indications.

b. **Active degradation mechanisms found**
Tube support plate wear was the only active degradation mechanism found.

c. **Non-destructive examination techniques utilized for each degradation mechanism**
The Non-destructive examination techniques utilized bobbin coil for the detection of tube support plate wear. The array probe was utilized to characterize selected wear indications.

d. **Location, orientation (if linear), and measured sizes (if available) of service induced indications**
The complete listing for service induced indications is attached.

e. **Number of tubes plugged during the inspection outage for each active degradation mechanism**
Eight tubes were plugged in 2A ROTSG and twenty three tubes were plugged in 2B ROTSG, all for tube support plate wear; no other tubes were plugged.

f. **The total number and percentage of tubes plugged to date**
There are fourteen tubes (0.09 %) in the 2A ROTSG plugged to date and twenty- eight tubes (0.18%) plugged in 2B ROTSG.

g. **The results of condition monitoring, including the results of tube pulls and in-situ pressure testing**
Condition Monitoring was demonstrated for both tapered and flat wear. An NDE maximum depth call of 73%TW or less for tapered wear is sufficient to demonstrate a minimum degraded tube burst pressure of 3ΔP, 4050 psi, at 0.95 probability with 50% confidence. The worst case depth call observed during the Oconee 2EOC23 inspection was an NDE depth of 52% TW.

Flat wear occurs in the inspection port regions of both generators. The condition monitoring limit for flat wear was calculated as 54%. The maximum flat wear depth seen in either steam generator was 36 %TW in 2A ROTSG and 31% in 2B ROTSG.

No in situ pressure testing was required. No tube pulls were performed.

h. **The effective plugging percentage for all plugging in each SG**
The effective plugging percentage is 0.09 % in the 2A ROTSG and 0.18 % in the 2B ROTSG.

Attachment 1 Service Induced Degradation

QUERY: u2sg

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
1	1	0.06	140	P2	TWD	5	011	-0.26	LTE	UTE	WAR		8	INLET	510XB
1	7	0.15	140	P2	TWD	10	011	-0.29	LTE	UTE	WAR		6	INLET	510XB
1	9	0.06	124	P2	TWD	5	013	-0.31	LTE	UTE	WAR	3	30	INLET	510XB
1	15	0.19	139	P2	TWD	14	011	-0.29	LTE	UTE	WAR		30	INLET	510XB
2	23	0.19	133	P2	TWD	13	011	-0.26	LTE	UTE	WAR		30	INLET	510XB
2	24	0.32	138	P2	TWD	18	011	-0.23	LTE	UTE	WAR		32	INLET	510XB
3	9	0.07	145	P2	TWD	6	011	+0.36	LTE	UTE	WAR	4	8	INLET	510XB
3	18	0.07	93	P2	TWD	6	009	+0.67	LTE	UTE	WAR		30	INLET	510XB
		0.07	111	P2	TWD	6	012	-0.31	LTE	UTE	WAR	0	30	INLET	510XB
3	23	0.07	154	P2	TWD	5	012	-0.39	LTE	UTE	WAR		32	INLET	510XB
3	26	0.07	118	P2	TWD	6	011	-0.28	LTE	UTE	WAR		30	INLET	510XB
		0.09	154	P2	TWD	7	011	+0.36	LTE	UTE	WAR	3	30	INLET	510XB
3	29	0.15	139	P2	TWD	10	012	-0.39	LTE	UTE	WAR		32	INLET	510XB
3	33	0.08	124	P2	TWD	5	012	-0.36	LTE	UTE	WAR		32	INLET	510XB
3	34	0.13	135	P2	TWD	10	012	-0.34	LTE	UTE	WAR		30	INLET	510XB
4	7	0.06	132	P2	TWD	5	011	-0.29	LTE	UTE	WAR		8	INLET	510XB
4	11	0.07	140	P2	TWD	6	011	-0.31	LTE	UTE	WAR	4	8	INLET	510XB
		0.07	143	P2	TWD	6	011	+0.39	LTE	UTE	WAR	5	8	INLET	510XB
4	12	0.16	141	P2	TWD	11	012	-0.42	LTE	UTE	WAR	5	6	INLET	510XB
4	15	0.09	147	P2	TWD	7	010	+0.49	LTE	UTE	WAR	7	8	INLET	510XB
4	21	0.09	146	P2	TWD	7	012	-0.39	LTE	UTE	WAR	0	30	INLET	510XB
4	29	0.06	144	P2	TWD	5	010	-0.49	LTE	UTE	WAR	0	30	INLET	510XB
4	32	0.15	141	P2	TWD	10	012	-0.42	LTE	UTE	WAR		32	INLET	510XB
		0.14	152	P2	TWD	9	012	+0.44	LTE	UTE	WAR		32	INLET	510XB
4	33	0.21	153	P2	TWD	14	010	-0.46	LTE	UTE	WAR		30	INLET	510XB
		0.26	136	P2	TWD	17	012	-0.39	LTE	UTE	WAR		30	INLET	510XB
5	1	0.11	76	P2	TWD	9	010	+0.73	LTE	UTE	WAR		8	INLET	510XB
5	13	0.12	148	P2	TWD	9	013	+0.34	LTE	UTE	WAR	3	8	INLET	510XB
		0.16	149	P2	TWD	11	011	+0.34	LTE	UTE	WAR	0	8	INLET	510XB
5	14	0.17	138	P2	TWD	12	012	-0.39	LTE	UTE	WAR	9	6	INLET	510XB
5	15	0.15	139	P2	TWD	11	011	+0.37	LTE	UTE	WAR		8	INLET	510XB
5	17	0.14	128	P2	TWD	10	010	+0.42	LTE	UTE	WAR		8	INLET	510XB
5	21	0.21	137	P2	TWD	15	012	+0.37	LTE	UTE	WAR		8	INLET	510XB
		0.17	140	P2	TWD	13	013	-0.39	LTE	UTE	WAR		8	INLET	510XB
5	23	0.21	135	P2	TWD	13	010	-0.44	LTE	UTE	WAR		32	INLET	510XB
5	24	0.06	150	P2	TWD	5	011	+0.37	LTE	UTE	WAR	3	30	INLET	510XB
5	26	0.08	147	P2	TWD	6	010	-0.54	LTE	UTE	WAR		30	INLET	510XB
		0.12	147	P2	TWD	9	011	+0.31	LTE	UTE	WAR		30	INLET	510XB
5	27	0.35	144	P2	TWD	19	010	-0.44	LTE	UTE	WAR		32	INLET	510XB
		0.08	156	P2	TWD	5	011	-0.36	LTE	UTE	WAR		32	INLET	510XB
5	28	0.11	148	P2	TWD	8	010	-0.47	LTE	UTE	WAR	4	30	INLET	510XB
		0.13	137	P2	TWD	10	011	-0.31	LTE	UTE	WAR		30	INLET	510XB
5	30	0.08	151	P2	TWD	6	010	-0.47	LTE	UTE	WAR	4	30	INLET	510XB
		0.11	52	P2	TWD	9	010	+0.65	LTE	UTE	WAR	7	30	INLET	510XB
5	32	0.10	147	P2	TWD	7	010	-0.44	LTE	UTE	WAR		30	INLET	510XB
		0.10	48	P2	TWD	7	010	+0.70	LTE	UTE	WAR	7	30	INLET	510XB
		0.06	141	P2	TWD	5	012	-0.42	LTE	UTE	WAR	5	30	INLET	510XB
5	36	0.07	153	P2	TWD	6	012	-0.39	LTE	UTE	WAR		30	INLET	510XB
5	41	0.06	153	P2	TWD	4	011	-0.26	LTE	UTE	WAR		32	INLET	510XB
6	1	0.09	145	P2	TWD	7	009	-0.31	LTE	UTE	WAR		8	INLET	510XB
		0.15	135	P2	TWD	11	015	-0.34	LTE	UTE	WAR		8	INLET	510XB
		0.24	135	P2	TWD	16	015	+0.62	LTE	UTE	WAR	0	8	INLET	510XB
6	6	0.06	126	P2	TWD	5	012	-0.34	LTE	UTE	WAR		8	INLET	510XB
6	12	0.20	146	P2	TWD	14	011	+0.37	LTE	UTE	WAR		8	INLET	510XB
		0.10	145	P2	TWD	8	013	-0.37	LTE	UTE	WAR	3	8	INLET	510XB
6	14	0.25	133	P2	TWD	17	011	+0.37	LTE	UTE	WAR		8	INLET	510XB
		0.13	141	P2	TWD	10	012	-0.45	LTE	UTE	WAR		8	INLET	510XB
6	16	0.08	142	P2	TWD	6	011	+0.34	LTE	UTE	WAR	0	8	INLET	510XB
6	18	0.06	153	P2	TWD	5	011	+0.31	LTE	UTE	WAR	4	8	INLET	510XB
6	19	0.08	145	P2	TWD	6	011	-0.36	LTE	UTE	WAR	3	6	INLET	510XB
6	20	0.08	153	P2	TWD	7	010	-0.49	LTE	UTE	WAR		8	INLET	510XB
6	25	0.17	136	P2	TWD	12	011	-0.36	LTE	UTE	WAR		6	INLET	510XB
6	27	0.33	143	P2	TWD	21	010	-0.47	LTE	UTE	WAR		30	INLET	510XB
		0.82	131	42	VOL		010	-0.49	010	010	WAR		29	INLET	510XP
6	28	0.07	132	P2	TWD	5	011	-0.36	LTE	UTE	WAR	0	32	INLET	510XB
6	31	0.14	155	P2	TWD	10	012	-0.39	LTE	UTE	WAR		30	INLET	510XB
6	32	0.08	143	P2	TWD	5	009	-0.41	LTE	UTE	WAR		32	INLET	510XB
		0.07	157	P2	TWD	5	011	-0.34	LTE	UTE	WAR	2	32	INLET	510XB
6	35	0.10	140	P2	TWD	8	010	-0.47	LTE	UTE	WAR		30	INLET	510XB
		0.21	145	P2	TWD	15	012	-0.42	LTE	UTE	WAR		30	INLET	510XB
		0.10	77	P2	TWD	8	010	+0.70	LTE	UTE	WAR	8	30	INLET	510XB
6	36	0.17	133	P2	TWD	11	010	-0.44	LTE	UTE	WAR		32	INLET	510XB
6	37	0.46	135	P2	TWD	26	010	-0.44	LTE	UTE	WAR		30	INLET	510XB
		1.14	126	22	VOL		010	-0.47	010	010	WAR		29	INLET	510XP
6	38	0.07	115	P2	TWD	5	012	-0.47	LTE	UTE	WAR		32	INLET	510XB
		1.20	126	P2	TWD	41	010	-0.42	LTE	UTE	WAR	LAR	32	INLET	510XB
		3.74	103	166	VOL		010	-0.47	010	010	WAR		31	INLET	510XP
6	45	0.06	130	P2	TWD	5	011	-0.28	LTE	UTE	WAR		30	INLET	510XB
6	46	0.08	140	P2	TWD	5	011	-0.26	LTE	UTE	WAR		32	INLET	510XB
6	47	0.12	146	P2	TWD	9	013	-0.34	LTE	UTE	WAR	4	30	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
7	15	0.09	132	P2	TWD	7	012	-0.44	LTE	UTE	WAR		8	INLET	510XB
7	17	0.08	145	P2	TWD	7	010	+0.44	LTE	UTE	WAR	0	8	INLET	510XB
7	18	0.11	139	P2	TWD	8	010	-0.53	LTE	UTE	WAR		6	INLET	510XB
		0.12	116	P2	TWD	9	010	+0.47	LTE	UTE	WAR		6	INLET	510XB
7	19	0.14	142	P2	TWD	10	010	+0.44	LTE	UTE	WAR		8	INLET	510XB
7	20	0.29	142	P2	TWD	18	010	-0.49	LTE	UTE	WAR		6	INLET	510XB
		0.06	115	P2	TWD	4	011	-0.39	LTE	UTE	WAR		6	INLET	510XB
7	26	0.06	158	P2	TWD	5	008	-0.45	LTE	UTE	WAR		6	INLET	510XB
7	27	0.20	141	P2	TWD	12	011	-0.36	LTE	UTE	WAR		32	INLET	510XB
		0.15	138	P2	TWD	10	009	-0.41	LTE	UTE	WAR	4	32	INLET	510XB
7	31	0.12	149	P2	TWD	8	012	-0.44	LTE	UTE	WAR		32	INLET	510XB
7	33	0.07	153	P2	TWD	5	009	-0.44	LTE	UTE	WAR		32	INLET	510XB
7	35	0.05	137	P2	TWD	4	011	-0.36	LTE	UTE	WAR		32	INLET	510XB
7	37	0.52	138	P2	TWD	26	010	-0.44	LTE	UTE	WAR		32	INLET	510XB
		1.25	122	18	VOL		010	-0.52	010	010	WAR		31	INLET	510XP
7	38	0.09	145	P2	TWD	7	010	-0.49	LTE	UTE	WAR		30	INLET	510XB
7	39	0.26	132	P2	TWD	16	012	-0.47	LTE	UTE	WAR		32	INLET	510XB
		0.13	146	P2	TWD	9	012	+0.36	LTE	UTE	WAR	3	32	INLET	510XB
		0.06	161	P2	TWD	4	010	-0.44	LTE	UTE	WAR	2	32	INLET	510XB
7	40	0.09	152	P2	TWD	7	014	+0.29	LTE	UTE	WAR	4	30	INLET	510XB
7	42	0.11	149	P2	TWD	9	010	-0.44	LTE	UTE	WAR		30	INLET	510XB
		0.22	143	P2	TWD	15	012	-0.44	LTE	UTE	WAR		30	INLET	510XB
		0.10	150	P2	TWD	7	012	+0.31	LTE	UTE	WAR	3	30	INLET	510XB
7	47	0.32	131	P2	TWD	18	012	-0.42	LTE	UTE	WAR		32	INLET	510XB
7	48	0.06	155	P2	TWD	5	012	-0.44	LTE	UTE	WAR		30	INLET	510XB
7	51	0.13	149	P2	TWD	9	012	-0.47	LTE	UTE	WAR		32	INLET	510XB
7	52	0.09	138	P2	TWD	7	011	-0.28	LTE	UTE	WAR		30	INLET	510XB
8	2	0.15	135	P2	TWD	10	013	-0.34	LTE	UTE	WAR		6	INLET	510XB
8	4	0.21	143	P2	TWD	14	011	+0.42	LTE	UTE	WAR	2	6	INLET	510XB
8	9	0.15	149	P2	TWD	11	012	-0.42	LTE	UTE	WAR		8	INLET	510XB
8	11	0.19	141	P2	TWD	13	012	-0.45	LTE	UTE	WAR		8	INLET	510XB
8	12	0.11	150	P2	TWD	8	013	+0.28	LTE	UTE	WAR		6	INLET	510XB
8	17	0.09	144	P2	TWD	7	010	+0.18	LTE	UTE	WAR		8	INLET	510XB
8	18	0.07	143	P2	TWD	5	010	+0.39	LTE	UTE	WAR		6	INLET	510XB
8	21	1.21	98	P18	VOL		011	-0.57	011	011	WAR		7	INLET	510XP
		0.21	147	P2	TWD	15	009	-0.47	LTE	UTE	WAR		8	INLET	510XB
		0.33	136	P2	TWD	21	011	-0.42	LTE	UTE	WAR		8	INLET	510XB
8	23	0.09	143	P2	TWD	7	009	-0.44	LTE	UTE	WAR	0	8	INLET	510XB
8	28	0.11	149	P2	TWD	8	012	-0.52	LTE	UTE	WAR		6	INLET	510XB
		0.11	132	P2	TWD	8	011	-0.42	LTE	UTE	WAR	2	6	INLET	510XB
8	35	0.22	139	P2	TWD	16	012	-0.55	LTE	UTE	WAR		74	INLET	510XB
8	38	0.07	140	P2	TWD	5	012	+0.31	LTE	UTE	WAR	5	32	INLET	510XB
8	40	0.12	150	P2	TWD	8	010	-0.39	LTE	UTE	WAR		32	INLET	510XB
		0.09	149	P2	TWD	6	011	+0.34	LTE	UTE	WAR	4	32	INLET	510XB
8	41	0.22	143	P2	TWD	15	010	-0.39	LTE	UTE	WAR		30	INLET	510XB
		0.42	136	P2	TWD	24	011	-0.36	LTE	UTE	WAR		30	INLET	510XB
		1.24	131	22	VOL		011	-0.43	011	011	WAR		29	INLET	510XP
8	42	0.25	141	P2	TWD	15	012	+0.34	LTE	UTE	WAR		32	INLET	510XB
8	43	0.06	146	P2	TWD	5	009	-0.44	LTE	UTE	WAR		30	INLET	510XB
		0.22	141	P2	TWD	15	012	-0.47	LTE	UTE	WAR	5	30	INLET	510XB
		0.06	149	P2	TWD	5	012	+0.29	LTE	UTE	WAR	0	30	INLET	510XB
8	44	0.08	148	P2	TWD	5	009	-0.41	LTE	UTE	WAR		32	INLET	510XB
		0.10	121	P2	TWD	7	012	-0.50	LTE	UTE	WAR		32	INLET	510XB
8	45	0.29	140	P2	TWD	19	012	-0.47	LTE	UTE	WAR		30	INLET	510XB
		0.12	118	P2	TWD	9	012	+0.29	LTE	UTE	WAR	6	30	INLET	510XB
8	55	0.14	146	P2	TWD	10	011	-0.28	LTE	UTE	WAR		30	INLET	510XB
9	17	0.11	148	P2	TWD	9	014	-0.44	LTE	UTE	WAR	0	8	INLET	510XB
		0.07	146	P2	TWD	5	014	+0.26	LTE	UTE	WAR	0	8	INLET	510XB
9	18	0.25	138	P2	TWD	16	013	-0.44	LTE	UTE	WAR		6	INLET	510XB
		0.18	147	P2	TWD	12	013	+0.23	LTE	UTE	WAR		6	INLET	510XB
9	19	0.16	129	P2	TWD	12	010	+0.44	LTE	UTE	WAR	0	8	INLET	510XB
9	20	0.10	151	P2	TWD	7	010	+0.42	LTE	UTE	WAR		6	INLET	510XB
9	22	0.15	149	P2	TWD	11	010	-0.50	LTE	UTE	WAR		6	INLET	510XB
		0.12	136	P2	TWD	9	010	+0.16	LTE	UTE	WAR		6	INLET	510XB
9	23	0.13	154	P2	TWD	10	012	-0.47	LTE	UTE	WAR		8	INLET	510XB
		0.15	151	P2	TWD	11	009	-0.44	LTE	UTE	WAR	0	8	INLET	510XB
9	26	0.06	120	P2	TWD	4	008	-0.42	LTE	UTE	WAR		6	INLET	510XB
9	29	0.10	153	P2	TWD	8	009	-0.44	LTE	UTE	WAR	0	8	INLET	510XB
9	39	0.09	142	P2	TWD	6	008	+0.23	LTE	UTE	WAR	6	32	INLET	510XB
9	43	0.21	141	P2	TWD	13	011	-0.37	LTE	UTE	WAR		32	INLET	510XB
9	44	0.09	150	P2	TWD	7	011	+0.34	LTE	UTE	WAR		30	INLET	510XB
		0.11	148	P2	TWD	8	012	-0.47	LTE	UTE	WAR		30	INLET	510XB
		0.08	161	P2	TWD	6	011	-0.39	LTE	UTE	WAR		30	INLET	510XB
9	48	0.07	139	P2	TWD	6	009	-0.44	LTE	UTE	WAR	4	30	INLET	510XB
		0.07	50	P2	TWD	5	009	+0.70	LTE	UTE	WAR	5	30	INLET	510XB
		0.12	60	P2	TWD	9	010	+0.65	LTE	UTE	WAR	9	30	INLET	510XB
9	50	0.10	150	P2	TWD	8	012	-0.44	LTE	UTE	WAR		30	INLET	510XB
		0.07	159	P2	TWD	6	012	+0.39	LTE	UTE	WAR		30	INLET	510XB
		0.07	139	P2	TWD	6	011	+0.36	LTE	UTE	WAR	0	30	INLET	510XB
9	57	0.11	140	P2	TWD	7	012	-0.39	LTE	UTE	WAR		32	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
9	59	0.22	138	P2	TWD	14	011	-0.29	LTE	UTE	WAR		32	INLET	510XB
10	1	0.12	110	P2	TWD	9	003	-0.23	LTE	UTE	WAR		8	INLET	510XB
10	6	0.10	126	P2	TWD	7	011	-0.34	LTE	UTE	WAR		6	INLET	510XB
10	8	0.05	160	P2	TWD	4	011	+0.34	LTE	UTE	WAR		6	INLET	510XB
10	10	0.15	152	P2	TWD	11	012	-0.44	LTE	UTE	WAR		6	INLET	510XB
10	14	0.14	141	P2	TWD	10	011	-0.39	LTE	UTE	WAR		6	INLET	510XB
		0.32	136	P2	TWD	19	012	-0.47	LTE	UTE	WAR		6	INLET	510XB
		0.07	155	P2	TWD	6	012	+0.29	LTE	UTE	WAR		6	INLET	510XB
10	18	0.09	137	P2	TWD	6	010	+0.42	LTE	UTE	WAR	2	6	INLET	510XB
10	19	0.08	145	P2	TWD	7	010	+0.50	LTE	UTE	WAR	0	8	INLET	510XB
10	20	0.06	121	P2	TWD	5	010	+0.00	LTE	UTE	WAR		6	INLET	510XB
10	23	0.10	141	P2	TWD	8	012	+0.18	LTE	UTE	WAR	0	8	INLET	510XB
10	24	0.16	150	P2	TWD	11	009	-0.49	LTE	UTE	WAR		6	INLET	510XB
10	26	0.10	143	P2	TWD	8	014	-0.49	LTE	UTE	WAR		6	INLET	510XB
10	30	0.23	140	P2	TWD	15	011	-0.47	LTE	UTE	WAR		6	INLET	510XB
10	32	0.07	134	P2	TWD	5	008	+0.26	LTE	UTE	WAR		6	INLET	510XB
10	39	0.14	149	P2	TWD	11	012	+0.26	LTE	UTE	WAR		30	INLET	510XB
		0.08	136	P2	TWD	6	012	-0.55	LTE	UTE	WAR	6	30	INLET	510XB
10	43	0.12	144	P2	TWD	9	012	-0.49	LTE	UTE	WAR		30	INLET	510XB
10	45	0.23	138	P2	TWD	16	011	-0.36	LTE	UTE	WAR		30	INLET	510XB
		0.12	114	P2	TWD	9	011	+0.34	LTE	UTE	WAR		30	INLET	510XB
10	49	0.12	153	P2	TWD	9	011	-0.39	LTE	UTE	WAR		30	INLET	510XB
10	50	0.07	128	P2	TWD	5	009	-0.47	LTE	UTE	WAR		32	INLET	510XB
10	51	0.32	144	P2	TWD	20	013	-0.44	LTE	UTE	WAR		30	INLET	510XB
		0.87	139	130	VOL		013	-0.60	013	013	WAR		29	INLET	510XP
10	52	0.10	143	P2	TWD	7	011	-0.34	LTE	UTE	WAR	0	32	INLET	510XB
10	53	0.08	146	P2	TWD	6	012	-0.49	LTE	UTE	WAR	4	30	INLET	510XB
10	56	0.08	160	P2	TWD	5	012	+0.31	LTE	UTE	WAR	0	32	INLET	510XB
10	58	0.10	152	P2	TWD	7	010	-0.46	LTE	UTE	WAR		32	INLET	510XB
10	61	0.09	146	P2	TWD	7	011	+0.36	LTE	UTE	WAR		30	INLET	510XB
10	64	0.07	131	P2	TWD	5	012	+0.36	LTE	UTE	WAR	4	32	INLET	510XB
11	9	0.09	136	P2	TWD	7	013	-0.37	LTE	UTE	WAR		6	INLET	510XB
11	10	0.08	137	P2	TWD	6	014	+0.29	LTE	UTE	WAR		8	INLET	510XB
11	14	0.17	143	P2	TWD	12	011	-0.37	LTE	UTE	WAR	0	8	INLET	510XB
11	16	0.15	137	P2	TWD	11	012	+0.37	LTE	UTE	WAR	0	8	INLET	510XB
11	17	0.18	148	P2	TWD	12	012	-0.47	LTE	UTE	WAR	5	6	INLET	510XB
11	18	0.17	136	P2	TWD	13	012	+0.31	LTE	UTE	WAR		8	INLET	510XB
11	19	0.10	151	P2	TWD	7	009	-0.50	LTE	UTE	WAR	5	6	INLET	510XB
11	20	0.12	146	P2	TWD	9	011	+0.29	LTE	UTE	WAR	5	8	INLET	510XB
11	21	0.23	131	P2	TWD	15	011	+0.26	LTE	UTE	WAR		6	INLET	510XB
		0.09	154	P2	TWD	6	011	-0.42	LTE	UTE	WAR	4	6	INLET	510XB
11	23	0.09	145	P2	TWD	6	011	-0.42	LTE	UTE	WAR		6	INLET	510XB
11	24	0.08	153	P2	TWD	5	011	-0.43	LTE	UTE	WAR		76	INLET	510XB
		0.15	153	P2	TWD	9	012	+0.28	LTE	UTE	WAR		76	INLET	510XB
11	25	0.26	140	P2	TWD	15	012	+0.31	LTE	UTE	WAR		76	INLET	510XB
11	31	0.07	72	P2	TWD	6	008	+0.26	LTE	UTE	WAR		6	INLET	510XB
11	35	0.12	151	P2	TWD	9	011	-0.44	LTE	UTE	WAR		30	INLET	510XB
11	37	0.07	118	P2	TWD	6	008	+0.23	LTE	UTE	WAR		30	INLET	510XB
11	38	0.10	138	P2	TWD	7	008	+0.26	LTE	UTE	WAR		32	INLET	510XB
11	39	0.09	149	P2	TWD	7	014	-0.54	LTE	UTE	WAR		30	INLET	510XB
11	41	0.10	149	P2	TWD	7	012	-0.50	LTE	UTE	WAR		30	INLET	510XB
		0.13	150	P2	TWD	10	014	-0.52	LTE	UTE	WAR		30	INLET	510XB
		0.09	151	P2	TWD	7	011	-0.42	LTE	UTE	WAR	0	30	INLET	510XB
11	45	0.14	154	P2	TWD	10	011	-0.42	LTE	UTE	WAR		30	INLET	510XB
11	47	0.14	148	P2	TWD	11	011	-0.42	LTE	UTE	WAR		30	INLET	510XB
11	51	0.09	153	P2	TWD	7	009	-0.44	LTE	UTE	WAR		30	INLET	510XB
11	53	0.23	142	P2	TWD	16	011	-0.39	LTE	UTE	WAR		30	INLET	510XB
		0.07	156	P2	TWD	6	012	+0.34	LTE	UTE	WAR	5	30	INLET	510XB
11	55	0.16	143	P2	TWD	12	012	-0.47	LTE	UTE	WAR		30	INLET	510XB
		0.08	158	P2	TWD	6	012	+0.31	LTE	UTE	WAR		30	INLET	510XB
11	61	0.10	153	P2	TWD	7	013	-0.39	LTE	UTE	WAR		32	INLET	510XB
		0.07	149	P2	TWD	5	012	-0.44	LTE	UTE	WAR		32	INLET	510XB
11	62	0.17	150	P2	TWD	11	012	-0.44	LTE	UTE	WAR		32	INLET	510XB
11	65	0.05	148	P2	TWD	3	012	-0.41	LTE	UTE	WAR		32	INLET	510XB
11	66	0.08	138	P2	TWD	5	011	-0.28	LTE	UTE	WAR		32	INLET	510XB
12	8	0.12	140	P2	TWD	9	011	+0.37	LTE	UTE	WAR	0	12	INLET	510XB
12	17	0.26	136	P2	TWD	17	011	-0.42	LTE	UTE	WAR		10	INLET	510XB
12	20	0.12	123	P2	TWD	9	010	+0.65	LTE	UTE	WAR		8	INLET	510XB
		0.13	146	P2	TWD	10	011	-0.44	LTE	UTE	WAR		8	INLET	510XB
		0.17	137	P2	TWD	13	011	+0.26	LTE	UTE	WAR		8	INLET	510XB
		0.11	150	P2	TWD	9	012	-0.52	LTE	UTE	WAR		8	INLET	510XB
		0.14	147	P2	TWD	10	014	-0.49	LTE	UTE	WAR		8	INLET	510XB
		0.14	142	P2	TWD	10	014	+0.18	LTE	UTE	WAR		8	INLET	510XB
12	21	0.28	143	P2	TWD	17	012	-0.55	LTE	UTE	WAR		6	INLET	510XB
12	22	0.12	141	P2	TWD	9	011	-0.44	LTE	UTE	WAR		8	INLET	510XB
		0.29	139	P2	TWD	19	012	+0.24	LTE	UTE	WAR		8	INLET	510XB
12	23	0.13	147	P2	TWD	10	011	-0.44	LTE	UTE	WAR		6	INLET	510XB
12	24	0.27	142	P2	TWD	18	011	-0.47	LTE	UTE	WAR		8	INLET	510XB
		0.16	139	P2	TWD	12	011	+0.26	LTE	UTE	WAR		8	INLET	510XB
12	26	0.08	154	P2	TWD	6	011	-0.44	LTE	UTE	WAR		8	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
12	44	0.12	152	P2	TWD	8	011 -0.42	LTE	UTE	WAR		32	INLET	510XB
		0.24	140	P2	TWD	15	014 -0.54	LTE	UTE	WAR		32	INLET	510XB
12	54	0.11	148	P2	TWD	7	009 -0.44	LTE	UTE	WAR		32	INLET	510XB
		0.08	136	P2	TWD	5	011 -0.39	LTE	UTE	WAR		32	INLET	510XB
		0.13	138	P2	TWD	8	014 -0.46	LTE	UTE	WAR		32	INLET	510XB
12	55	0.09	153	P2	TWD	6	014 -0.44	LTE	UTE	WAR		32	INLET	510XB
12	56	0.26	136	P2	TWD	15	012 -0.55	LTE	UTE	WAR		32	INLET	510XB
12	57	0.21	141	P2	TWD	13	012 -0.47	LTE	UTE	WAR		32	INLET	510XB
		0.06	121	P2	TWD	4	005 +0.36	LTE	UTE	WAR		32	INLET	510XB
12	60	0.07	159	P2	TWD	5	014 +0.23	LTE	UTE	WAR	2	32	INLET	510XB
12	61	0.07	155	P2	TWD	5	014 -0.46	LTE	UTE	WAR		32	INLET	510XB
		0.08	143	P2	TWD	6	014 +0.26	LTE	UTE	WAR		32	INLET	510XB
12	62	0.10	137	P2	TWD	7	012 -0.44	LTE	UTE	WAR		32	INLET	510XB
12	66	0.07	144	P2	TWD	5	011 -0.31	LTE	UTE	WAR	0	32	INLET	510XB
13	3	0.15	146	P2	TWD	11	013 -0.31	LTE	UTE	WAR		20	INLET	510XB
13	7	0.22	141	P2	TWD	15	012 +0.34	LTE	UTE	WAR		12	INLET	510XB
13	10	0.18	143	P2	TWD	12	012 +0.32	LTE	UTE	WAR		10	INLET	510XB
13	16	0.23	148	P2	TWD	15	011 -0.42	LTE	UTE	WAR		10	INLET	510XB
		0.20	139	P2	TWD	14	011 +0.26	LTE	UTE	WAR		10	INLET	510XB
13	18	0.29	141	P2	TWD	18	011 -0.44	LTE	UTE	WAR		10	INLET	510XB
13	20	0.09	138	P2	TWD	6	011 +0.26	LTE	UTE	WAR		10	INLET	510XB
13	28	0.12	142	P2	TWD	9	014 -0.54	LTE	UTE	WAR		10	INLET	510XB
13	30	0.10	136	P2	TWD	7	011 +0.21	LTE	UTE	WAR		10	INLET	510XB
		0.28	139	P2	TWD	18	014 -0.52	LTE	UTE	WAR		10	INLET	510XB
13	50	0.05	161	P2	TWD	4	011 -0.47	LTE	UTE	WAR		34	INLET	510XB
13	60	0.32	130	P2	TWD	21	011 -0.34	LTE	UTE	WAR		34	INLET	510XB
		0.17	146	P2	TWD	13	011 +0.34	LTE	UTE	WAR		34	INLET	510XB
		0.13	150	P2	TWD	10	012 +0.36	LTE	UTE	WAR		34	INLET	510XB
		0.90	148	118	VOL		011 -0.44	011	011	WAR		33	INLET	510XP
13	62	0.12	116	P2	TWD	9	012 -0.47	LTE	UTE	WAR		74	INLET	510XB
13	65	0.10	144	P2	TWD	8	012 -0.47	LTE	UTE	WAR	0	36	INLET	510XB
13	68	0.10	146	P2	TWD	8	012 -0.44	LTE	UTE	WAR		34	INLET	510XB
		0.20	135	P2	TWD	15	013 -0.39	LTE	UTE	WAR		34	INLET	510XB
13	69	0.23	137	P2	TWD	15	011 -0.29	LTE	UTE	WAR		36	INLET	510XB
14	2	0.11	142	P2	TWD	9	011 -0.29	LTE	UTE	WAR		20	INLET	510XB
14	11	0.22	143	P2	TWD	14	012 +0.26	LTE	UTE	WAR		10	INLET	510XB
14	13	0.17	145	P2	TWD	12	011 -0.39	LTE	UTE	WAR		10	INLET	510XB
14	14	0.08	146	P2	TWD	7	008 +0.29	LTE	UTE	WAR		12	INLET	510XB
14	17	0.08	152	P2	TWD	6	009 -0.47	LTE	UTE	WAR		10	INLET	510XB
14	19	0.10	135	P2	TWD	7	014 -0.49	LTE	UTE	WAR	6	10	INLET	510XB
14	27	0.06	110	P2	TWD	5	008 +0.21	LTE	UTE	WAR		10	INLET	510XB
14	54	0.12	152	P2	TWD	10	011 -0.44	LTE	UTE	WAR		34	INLET	510XB
14	60	0.12	147	P2	TWD	10	012 -0.52	LTE	UTE	WAR	0	34	INLET	510XB
		0.12	151	P2	TWD	10	014 -0.46	LTE	UTE	WAR	0	34	INLET	510XB
14	62	0.16	152	P2	TWD	12	010 -0.52	LTE	UTE	WAR		34	INLET	510XB
14	64	0.11	134	P2	TWD	9	011 -0.34	LTE	UTE	WAR		74	INLET	510XB
14	65	0.13	135	P2	TWD	9	010 -0.50	LTE	UTE	WAR	7	36	INLET	510XB
14	67	0.14	140	P2	TWD	10	013 -0.39	LTE	UTE	WAR		36	INLET	510XB
		0.21	142	P2	TWD	14	014 -0.44	LTE	UTE	WAR		36	INLET	510XB
		0.05	145	P2	TWD	4	012 -0.45	LTE	UTE	WAR		36	INLET	510XB
14	68	0.15	125	P2	TWD	12	014 -0.41	LTE	UTE	WAR	0	34	INLET	510XB
15	9	0.10	133	P2	TWD	8	011 -0.37	LTE	UTE	WAR	0	12	INLET	510XB
		0.12	130	P2	TWD	9	011 +0.37	LTE	UTE	WAR		12	INLET	510XB
		0.19	140	P2	TWD	13	012 -0.42	LTE	UTE	WAR		12	INLET	510XB
		0.18	134	P2	TWD	13	012 +0.32	LTE	UTE	WAR		12	INLET	510XB
15	11	0.08	147	P2	TWD	6	011 -0.34	LTE	UTE	WAR		12	INLET	510XB
		0.16	138	P2	TWD	12	011 +0.34	LTE	UTE	WAR		12	INLET	510XB
15	17	0.22	140	P2	TWD	15	012 +0.24	LTE	UTE	WAR		12	INLET	510XB
15	19	0.14	145	P2	TWD	11	011 -0.44	LTE	UTE	WAR		12	INLET	510XB
15	38	0.14	121	P2	TWD	10	014 -0.62	LTE	UTE	WAR		10	INLET	510XB
		0.06	147	P2	TWD	4	014 -0.21	LTE	UTE	WAR		10	INLET	510XB
15	44	0.09	133	P2	TWD	7	012 -0.55	LTE	UTE	WAR		34	INLET	510XB
15	66	0.16	136	P2	TWD	12	009 -0.44	LTE	UTE	WAR	5	34	INLET	510XB
15	67	0.12	143	P2	TWD	10	010 -0.49	LTE	UTE	WAR	0	34	INLET	510XB
15	70	0.07	137	P2	TWD	6	013 -0.39	LTE	UTE	WAR	0	34	INLET	510XB
15	73	0.11	141	P2	TWD	8	011 -0.31	LTE	UTE	WAR		44	INLET	510XB
15	74	0.09	135	P2	TWD	7	011 -0.31	LTE	UTE	WAR	4	42	INLET	510XB
15	78	0.10	155	P2	TWD	8	011 +0.42	LTE	UTE	WAR		42	INLET	510XB
16	1	0.15	140	P2	TWD	11	009 -0.34	LTE	UTE	WAR		20	INLET	510XB
16	4	0.12	148	P2	TWD	9	011 -0.31	LTE	UTE	WAR		18	INLET	510XB
		0.13	145	P2	TWD	10	011 +0.42	LTE	UTE	WAR	5	18	INLET	510XB
16	9	0.12	141	P2	TWD	9	008 +0.26	LTE	UTE	WAR		10	INLET	510XB
16	10	0.13	143	P2	TWD	9	011 -0.34	LTE	UTE	WAR		10	INLET	510XB
16	11	1.31	83	P4	VOL		012 +0.08	012	012	WAR		11	INLET	510XP
		0.09	149	P2	TWD	7	009 -0.47	LTE	UTE	WAR		12	INLET	510XB
		0.37	134	P2	TWD	22	012 +0.24	LTE	UTE	WAR		12	INLET	510XB
16	13	0.14	145	P2	TWD	11	011 +0.31	LTE	UTE	WAR	0	12	INLET	510XB
16	14	0.13	142	P2	TWD	9	009 +0.57	LTE	UTE	WAR		10	INLET	510XB
16	50	0.23	144	P2	TWD	17	011 -0.50	LTE	UTE	WAR		34	INLET	510XB
16	62	0.06	153	P2	TWD	5	013 +0.21	LTE	UTE	WAR	0	34	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
16	68	0.19	147	P2	TWD	14	009	-0.44	LTE	UTE	WAR		34	INLET	510XB
16	69	0.16	142	P2	TWD	12	011	-0.37	LTE	UTE	WAR		34	INLET	510XB
		0.07	141	P2	TWD	6	012	+0.34	LTE	UTE	WAR		34	INLET	510XB
		0.09	158	P2	TWD	7	012	-0.52	LTE	UTE	WAR	4	34	INLET	510XB
16	72	0.07	149	P2	TWD	6	013	+0.26	LTE	UTE	WAR	3	34	INLET	510XB
16	77	0.08	106	P2	TWD	7	011	-0.34	LTE	UTE	WAR		42	INLET	510XB
16	78	0.16	138	P2	TWD	10	012	-0.39	LTE	UTE	WAR		44	INLET	510XB
17	3	0.05	137	P2	TWD	4	011	-0.29	LTE	UTE	WAR		20	INLET	510XB
17	4	0.08	111	P2	TWD	6	011	-0.31	LTE	UTE	WAR		18	INLET	510XB
		0.09	156	P2	TWD	7	011	+0.39	LTE	UTE	WAR		18	INLET	510XB
17	9	0.21	135	P2	TWD	15	011	-0.37	LTE	UTE	WAR		12	INLET	510XB
17	15	0.12	146	P2	TWD	9	012	+0.26	LTE	UTE	WAR	0	12	INLET	510XB
17	21	1.26	88	P3	VOL		011	+0.05	011	011	WAR		11	INLET	510XP
		0.13	155	P2	TWD	10	010	+0.65	LTE	UTE	WAR	5	12	INLET	510XB
		0.34	138	P2	TWD	21	011	+0.21	LTE	UTE	WAR		12	INLET	510XB
		0.17	131	P2	TWD	12	014	-0.55	LTE	UTE	WAR		12	INLET	510XB
		0.21	139	P2	TWD	15	014	+0.16	LTE	UTE	WAR		12	INLET	510XB
17	22	0.17	129	P2	TWD	11	014	-0.54	LTE	UTE	WAR		10	INLET	510XB
17	24	0.13	139	P2	TWD	9	014	-0.57	LTE	UTE	WAR		10	INLET	510XB
17	34	0.09	156	P2	TWD	7	009	+0.18	LTE	UTE	WAR	0	10	INLET	510XB
17	48	0.08	146	P2	TWD	6	011	-0.52	LTE	UTE	WAR		38	INLET	510XB
17	66	0.07	142	P2	TWD	5	007	-0.38	LTE	UTE	WAR	4	38	INLET	510XB
17	67	0.12	123	P2	TWD	10	014	-0.52	LTE	UTE	WAR	9	40	INLET	510XB
17	69	0.15	142	P2	TWD	12	012	+0.31	LTE	UTE	WAR		40	INLET	510XB
		0.12	148	P2	TWD	10	009	-0.49	LTE	UTE	WAR	0	40	INLET	510XB
17	70	0.11	146	P2	TWD	8	011	-0.36	LTE	UTE	WAR		38	INLET	510XB
		0.17	133	P2	TWD	12	012	+0.31	LTE	UTE	WAR		38	INLET	510XB
17	71	0.09	145	P2	TWD	8	012	-0.49	LTE	UTE	WAR	0	40	INLET	510XB
17	72	0.12	149	P2	TWD	9	012	+0.31	LTE	UTE	WAR		38	INLET	510XB
17	73	0.10	147	P2	TWD	9	010	-0.49	LTE	UTE	WAR		40	INLET	510XB
		0.06	44	P2	TWD	5	009	+0.62	LTE	UTE	WAR		40	INLET	510XB
17	77	0.16	138	P2	TWD	11	011	-0.34	LTE	UTE	WAR		44	INLET	510XB
17	78	0.11	147	P2	TWD	9	011	-0.31	LTE	UTE	WAR		42	INLET	510XB
18	3	0.10	146	P2	TWD	7	013	+0.34	LTE	UTE	WAR		20	INLET	510XB
18	17	0.07	153	P2	TWD	6	009	-0.44	LTE	UTE	WAR		12	INLET	510XB
		0.10	97	P2	TWD	8	009	+0.63	LTE	UTE	WAR	9	12	INLET	510XB
		0.17	146	P2	TWD	12	014	-0.52	LTE	UTE	WAR		12	INLET	510XB
		0.15	131	P2	TWD	11	014	+0.19	LTE	UTE	WAR		12	INLET	510XB
18	41	0.10	151	P2	TWD	8	011	-0.58	LTE	UTE	WAR		12	INLET	510XB
18	51	0.12	150	P2	TWD	10	012	+0.13	LTE	UTE	WAR		40	INLET	510XB
18	62	0.06	108	P2	TWD	5	011	+0.23	LTE	UTE	WAR	4	38	INLET	510XB
18	71	0.26	141	P2	TWD	19	011	-0.42	LTE	UTE	WAR		40	INLET	510XB
18	74	0.08	119	P2	TWD	6	010	-0.54	LTE	UTE	WAR	6	38	INLET	510XB
18	75	0.08	150	P2	TWD	7	014	+0.21	LTE	UTE	WAR	7	40	INLET	510XB
18	78	0.07	157	P2	TWD	5	010	-0.49	LTE	UTE	WAR		44	INLET	510XB
18	79	0.09	150	P2	TWD	7	010	-0.47	LTE	UTE	WAR		42	INLET	510XB
18	81	0.16	138	P2	TWD	12	011	-0.31	LTE	UTE	WAR	0	42	INLET	510XB
18	84	0.19	139	P2	TWD	12	011	-0.29	LTE	UTE	WAR		44	INLET	510XB
19	1	0.11	144	P2	TWD	8	012	+0.39	LTE	UTE	WAR		20	INLET	510XB
19	3	0.07	135	P2	TWD	6	011	-0.31	LTE	UTE	WAR		20	INLET	510XB
		0.11	154	P2	TWD	8	011	+0.39	LTE	UTE	WAR	4	20	INLET	510XB
19	4	0.10	145	P2	TWD	7	011	+0.36	LTE	UTE	WAR		18	INLET	510XB
19	7	0.13	145	P2	TWD	10	012	-0.44	LTE	UTE	WAR		20	INLET	510XB
		0.11	152	P2	TWD	9	012	+0.34	LTE	UTE	WAR		20	INLET	510XB
		0.16	137	P2	TWD	12	013	+0.34	LTE	UTE	WAR	5	20	INLET	510XB
19	16	0.08	143	P2	TWD	6	013	+0.21	LTE	UTE	WAR		10	INLET	510XB
19	43	0.07	145	P2	TWD	5	009	+0.18	LTE	UTE	WAR	2	38	INLET	510XB
19	65	0.07	157	P2	TWD	5	011	+0.23	LTE	UTE	WAR	2	38	INLET	510XB
19	72	0.06	150	P2	TWD	5	011	-0.42	LTE	UTE	WAR	5	40	INLET	510XB
19	73	0.09	133	P2	TWD	6	013	-0.52	LTE	UTE	WAR	7	38	INLET	510XB
		0.07	143	P2	TWD	5	013	+0.18	LTE	UTE	WAR	4	38	INLET	510XB
19	74	0.16	147	P2	TWD	13	010	-0.52	LTE	UTE	WAR	8	40	INLET	510XB
19	75	0.07	131	P2	TWD	5	013	+0.21	LTE	UTE	WAR	2	38	INLET	510XB
19	79	0.13	147	P2	TWD	9	010	-0.49	LTE	UTE	WAR	6	44	INLET	510XB
19	81	0.11	140	P2	TWD	7	010	-0.44	LTE	UTE	WAR		44	INLET	510XB
19	84	0.12	139	P2	TWD	9	011	-0.31	LTE	UTE	WAR		42	INLET	510XB
20	7	0.08	149	P2	TWD	6	012	-0.44	LTE	UTE	WAR		20	INLET	510XB
		0.10	145	P2	TWD	8	013	-0.39	LTE	UTE	WAR	6	20	INLET	510XB
20	10	0.08	145	P2	TWD	6	011	+0.34	LTE	UTE	WAR		18	INLET	510XB
20	12	0.13	139	P2	TWD	10	011	-0.39	LTE	UTE	WAR		18	INLET	510XB
20	17	0.07	149	P2	TWD	6	008	-0.44	LTE	UTE	WAR		12	INLET	510XB
20	19	0.06	160	P2	TWD	5	008	-0.42	LTE	UTE	WAR		12	INLET	510XB
20	27	0.19	142	P2	TWD	14	011	-0.55	LTE	UTE	WAR		12	INLET	510XB
20	42	0.10	131	P2	TWD	7	014	+0.03	LTE	UTE	WAR		10	INLET	510XB
20	45	0.04	81	P2	TWD	4	008	+0.16	LTE	UTE	WAR		40	INLET	510XB
20	46	0.06	102	P2	TWD	5	008	+0.18	LTE	UTE	WAR		38	INLET	510XB
20	51	0.24	129	P2	TWD	17	010	-0.58	LTE	UTE	WAR		40	INLET	510XB
20	60	0.16	138	P2	TWD	11	014	+0.08	LTE	UTE	WAR	5	38	INLET	510XB
20	73	0.05	158	P2	TWD	4	007	-0.44	LTE	UTE	WAR		40	INLET	510XB
20	77	0.12	140	P2	TWD	10	012	-0.49	LTE	UTE	WAR		40	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.16	141	P2	TWD	13	010 -0.52	LTE	UTE	WAR	9	40	INLET	510XB
20	83	0.10	141	P2	TWD	8	010 -0.49	LTE	UTE	WAR		42	INLET	510XB
20	87	0.05	94	P2	TWD	4	002 -0.31	LTE	UTE	WAR		42	INLET	510XB
21	9	0.15	146	P2	TWD	11	012 +0.34	LTE	UTE	WAR		20	INLET	510XB
		0.16	144	P2	TWD	11	012 -0.44	LTE	UTE	WAR	6	20	INLET	510XB
21	11	0.07	160	P2	TWD	6	009 -0.44	LTE	UTE	WAR		20	INLET	510XB
21	12	0.16	145	P2	TWD	11	013 -0.44	LTE	UTE	WAR		18	INLET	510XB
21	13	0.10	151	P2	TWD	8	013 -0.44	LTE	UTE	WAR		12	INLET	510XB
		0.11	151	P2	TWD	9	014 -0.52	LTE	UTE	WAR		12	INLET	510XB
21	15	0.10	141	P2	TWD	7	011 -0.42	LTE	UTE	WAR		12	INLET	510XB
21	18	0.22	139	P2	TWD	15	014 -0.54	LTE	UTE	WAR		10	INLET	510XB
21	45	0.15	130	P2	TWD	11	014 +0.05	LTE	UTE	WAR		38	INLET	510XB
21	77	0.15	121	P2	TWD	11	012 -0.52	LTE	UTE	WAR		38	INLET	510XB
		0.06	140	P2	TWD	5	012 +0.29	LTE	UTE	WAR	5	38	INLET	510XB
21	80	0.07	148	P2	TWD	6	011 +0.31	LTE	UTE	WAR		42	INLET	510XB
21	81	0.10	146	P2	TWD	7	011 -0.36	LTE	UTE	WAR		44	INLET	510XB
		0.13	138	P2	TWD	9	011 +0.31	LTE	UTE	WAR		44	INLET	510XB
		0.21	138	P2	TWD	13	012 -0.47	LTE	UTE	WAR		44	INLET	510XB
		0.23	147	P2	TWD	14	013 -0.44	LTE	UTE	WAR		44	INLET	510XB
21	86	0.07	141	P2	TWD	6	012 -0.42	LTE	UTE	WAR		42	INLET	510XB
22	9	0.16	150	P2	TWD	12	014 -0.47	LTE	UTE	WAR		20	INLET	510XB
22	15	0.07	145	P2	TWD	6	011 -0.39	LTE	UTE	WAR		16	INLET	510XB
22	28	0.07	142	P2	TWD	6	011 -0.57	LTE	UTE	WAR		14	INLET	510XB
22	37	0.09	156	P2	TWD	8	009 +0.16	LTE	UTE	WAR	5	16	INLET	510XB
22	75	0.12	141	P2	TWD	10	013 -0.52	LTE	UTE	WAR		40	INLET	510XB
22	81	0.11	144	P2	TWD	9	011 -0.39	LTE	UTE	WAR	0	42	INLET	510XB
22	82	0.14	144	P2	TWD	10	011 -0.36	LTE	UTE	WAR		44	INLET	510XB
		0.06	156	P2	TWD	4	011 +0.31	LTE	UTE	WAR	3	44	INLET	510XB
22	85	0.10	146	P2	TWD	8	012 -0.50	LTE	UTE	WAR	6	42	INLET	510XB
22	86	0.08	147	P2	TWD	6	013 -0.42	LTE	UTE	WAR		44	INLET	510XB
23	23	0.26	136	P2	TWD	18	014 -0.57	LTE	UTE	WAR		16	INLET	510XB
		0.11	144	P2	TWD	9	014 +0.13	LTE	UTE	WAR	0	16	INLET	510XB
23	27	0.12	151	P2	TWD	10	011 +0.18	LTE	UTE	WAR	5	16	INLET	510XB
23	32	0.09	117	P2	TWD	7	011 -0.60	LTE	UTE	WAR	3	14	INLET	510XB
23	62	0.08	139	P2	TWD	7	008 +0.16	LTE	UTE	WAR		40	INLET	510XB
23	64	0.22	126	P2	TWD	17	010 -0.65	LTE	UTE	WAR		40	INLET	510XB
23	67	0.06	154	P2	TWD	5	014 -0.03	LTE	UTE	WAR	4	38	INLET	510XB
23	69	0.08	134	P2	TWD	6	011 -0.50	LTE	UTE	WAR	4	38	INLET	510XB
		0.10	129	P2	TWD	7	011 +0.21	LTE	UTE	WAR	7	38	INLET	510XB
23	71	0.11	106	P2	TWD	8	014 -0.62	LTE	UTE	WAR		38	INLET	510XB
23	80	0.16	152	P2	TWD	12	011 -0.42	LTE	UTE	WAR		40	INLET	510XB
23	82	0.13	148	P2	TWD	10	011 -0.39	LTE	UTE	WAR		42	INLET	510XB
23	84	0.19	146	P2	TWD	14	011 +0.31	LTE	UTE	WAR		42	INLET	510XB
23	85	0.24	142	P2	TWD	15	011 -0.39	LTE	UTE	WAR		44	INLET	510XB
23	89	0.06	122	P2	TWD	4	010 -0.46	LTE	UTE	WAR		44	INLET	510XB
24	5	0.10	133	P2	TWD	7	013 -0.42	LTE	UTE	WAR		18	INLET	510XB
24	11	0.11	155	P2	TWD	8	012 -0.50	LTE	UTE	WAR	5	18	INLET	510XB
24	20	0.09	144	P2	TWD	8	011 -0.50	LTE	UTE	WAR		16	INLET	510XB
24	21	0.12	149	P2	TWD	9	011 +0.18	LTE	UTE	WAR	0	14	INLET	510XB
		0.10	140	P2	TWD	7	011 -0.52	LTE	UTE	WAR		14	INLET	510XB
24	33	0.23	137	P2	TWD	15	011 -0.60	LTE	UTE	WAR		14	INLET	510XB
24	60	0.27	143	P2	TWD	19	014 +0.00	LTE	UTE	WAR		40	INLET	510XB
		0.27	131	P2	TWD	19	014 -0.67	LTE	UTE	WAR	6	40	INLET	510XB
24	72	0.10	140	P2	TWD	8	014 +0.08	LTE	UTE	WAR		40	INLET	510XB
24	81	0.11	152	P2	TWD	9	011 -0.44	LTE	UTE	WAR	5	42	INLET	510XB
24	87	0.08	144	P2	TWD	6	011 +0.31	LTE	UTE	WAR		42	INLET	510XB
		0.08	136	P2	TWD	6	012 +0.34	LTE	UTE	WAR		42	INLET	510XB
24	89	0.08	154	P2	TWD	7	013 +0.23	LTE	UTE	WAR		42	INLET	510XB
24	94	0.08	148	P2	TWD	6	012 -0.42	LTE	UTE	WAR		44	INLET	510XB
25	3	0.20	130	P2	TWD	14	010 +0.76	LTE	UTE	WAR		20	INLET	510XB
25	63	0.02	153	P2	TWD	2	008 +0.08	LTE	UTE	WAR		40	INLET	510XB
25	77	0.13	81	P2	TWD	11	012 -0.62	LTE	UTE	WAR		40	INLET	510XB
25	83	0.09	150	P2	TWD	6	007 -0.44	LTE	UTE	WAR		44	INLET	510XB
25	93	0.07	157	P2	TWD	5	012 -0.47	LTE	UTE	WAR		44	INLET	510XB
26	9	0.16	137	P2	TWD	11	012 +0.29	LTE	UTE	WAR		18	INLET	510XB
26	12	0.09	142	P2	TWD	7	009 -0.47	LTE	UTE	WAR		20	INLET	510XB
		0.16	144	P2	TWD	11	012 -0.55	LTE	UTE	WAR	6	20	INLET	510XB
26	14	0.15	140	P2	TWD	11	012 -0.52	LTE	UTE	WAR		20	INLET	510XB
26	15	0.14	148	P2	TWD	10	011 +0.26	LTE	UTE	WAR		18	INLET	510XB
26	24	0.07	150	P2	TWD	6	007 -0.41	LTE	UTE	WAR		14	INLET	510XB
26	45	0.14	128	P2	TWD	10	008 -0.61	LTE	UTE	WAR		14	INLET	510XB
26	65	0.27	132	P2	TWD	17	010 -0.71	LTE	UTE	WAR		38	INLET	510XB
		0.17	139	P2	TWD	12	014 -0.67	LTE	UTE	WAR	5	38	INLET	510XB
26	66	0.05	135	P2	TWD	4	008 +0.16	LTE	UTE	WAR		40	INLET	510XB
26	75	0.27	132	P2	TWD	17	010 -0.62	LTE	UTE	WAR		38	INLET	510XB
26	92	0.13	125	P2	TWD	9	010 +0.65	LTE	UTE	WAR	9	44	INLET	510XB
26	97	0.07	149	P2	TWD	6	011 -0.31	LTE	UTE	WAR		42	INLET	510XB
		0.05	165	P2	TWD	4	012 -0.44	LTE	UTE	WAR		42	INLET	510XB
26	99	0.07	158	P2	TWD	6	012 -0.39	LTE	UTE	WAR		42	INLET	510XB
27	1	0.08	139	P2	TWD	6	011 +0.31	LTE	UTE	WAR		20	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
27	3	0.13	146	P2	TWD	10	011	-0.29	LTE	UTE	WAR		20	INLET	510XB
27	4	0.13	143	P2	TWD	10	012	-0.39	LTE	UTE	WAR	5	18	INLET	510XB
27	23	0.06	153	P2	TWD	4	011	-0.55	LTE	UTE	WAR		14	INLET	510XB
		0.07	150	P2	TWD	5	007	-0.54	LTE	UTE	WAR		14	INLET	510XB
27	27	0.10	145	P2	TWD	7	011	-0.57	LTE	UTE	WAR		14	INLET	510XB
27	28	0.06	151	P2	TWD	5	008	+0.18	LTE	UTE	WAR		16	INLET	510XB
27	35	0.12	133	P2	TWD	8	011	-0.60	LTE	UTE	WAR		14	INLET	510XB
27	44	0.11	136	P2	TWD	8	008	-0.64	LTE	UTE	WAR	3	14	INLET	510XB
27	48	0.06	136	P2	TWD	5	008	-0.60	LTE	UTE	WAR	0	14	INLET	510XB
27	89	0.08	141	P2	TWD	7	012	+0.31	LTE	UTE	WAR		42	INLET	510XB
27	90	0.09	136	P2	TWD	7	012	-0.52	LTE	UTE	WAR		44	INLET	510XB
		0.10	139	P2	TWD	7	012	+0.34	LTE	UTE	WAR		44	INLET	510XB
		0.11	146	P2	TWD	7	014	+0.18	LTE	UTE	WAR	7	44	INLET	510XB
		0.10	134	P2	TWD	7	011	+0.31	LTE	UTE	WAR	3	44	INLET	510XB
27	99	0.07	157	P2	TWD	6	012	-0.39	LTE	UTE	WAR		42	INLET	510XB
28	3	0.12	149	P2	TWD	9	013	-0.34	LTE	UTE	WAR		20	INLET	510XB
28	9	0.14	146	P2	TWD	11	011	-0.37	LTE	UTE	WAR		20	INLET	510XB
28	14	0.14	148	P2	TWD	10	011	+0.29	LTE	UTE	WAR		18	INLET	510XB
28	23	0.04	141	P2	TWD	4	008	-0.52	LTE	UTE	WAR		16	INLET	510XB
28	26	0.11	118	P2	TWD	8	014	-0.67	LTE	UTE	WAR		14	INLET	510XB
		0.11	149	P2	TWD	8	014	+0.03	LTE	UTE	WAR		14	INLET	510XB
28	45	0.15	144	P2	TWD	11	008	-0.65	LTE	UTE	WAR		14	INLET	510XB
28	48	0.06	128	P2	TWD	5	008	+0.10	LTE	UTE	WAR		14	INLET	510XB
28	50	0.10	153	P2	TWD	6	011	-0.69	LTE	UTE	WAR	0	555	INLET	510UL
28	90	0.06	35	P2	TWD	4	009	+0.70	LTE	UTE	WAR		44	INLET	510XB
28	91	0.21	149	P2	TWD	15	011	-0.42	LTE	UTE	WAR		42	INLET	510XB
28	93	0.11	144	P2	TWD	9	012	-0.50	LTE	UTE	WAR		42	INLET	510XB
28	94	0.09	152	P2	TWD	6	010	+0.62	LTE	UTE	WAR		44	INLET	510XB
28	97	0.07	145	P2	TWD	6	010	-0.44	LTE	UTE	WAR		42	INLET	510XB
28	101	0.07	142	P2	TWD	6	005	-0.29	LTE	UTE	WAR		42	INLET	510XB
29	1	0.05	152	P2	TWD	4	003	-0.26	LTE	UTE	WAR		20	INLET	510XB
29	10	0.16	144	P2	TWD	11	011	-0.36	LTE	UTE	WAR		18	INLET	510XB
		0.16	134	P2	TWD	11	012	+0.29	LTE	UTE	WAR		18	INLET	510XB
29	12	0.06	153	P2	TWD	5	009	-0.49	LTE	UTE	WAR		18	INLET	510XB
29	17	0.08	146	P2	TWD	6	012	+0.18	LTE	UTE	WAR		20	INLET	510XB
29	26	0.04	94	P2	TWD	4	008	+0.16	LTE	UTE	WAR		16	INLET	510XB
29	27	0.09	143	P2	TWD	6	009	+0.13	LTE	UTE	WAR	4	14	INLET	510XB
29	28	0.11	138	P2	TWD	8	011	-0.60	LTE	UTE	WAR		14	INLET	510XB
29	30	0.11	127	P2	TWD	7	008	-0.54	LTE	UTE	WAR	3	555	INLET	510UL
29	32	0.11	149	P2	TWD	7	008	-0.54	LTE	UTE	WAR	0	555	INLET	510UL
29	40	0.06	77	P2	TWD	5	007	+0.16	LTE	UTE	WAR		14	INLET	510XB
29	54	0.05	139	P2	TWD	4	007	+0.13	LTE	UTE	WAR		38	INLET	510XB
29	55	0.05	138	P2	TWD	5	008	+0.13	LTE	UTE	WAR		40	INLET	510XB
29	60	0.06	148	P2	TWD	5	008	+0.13	LTE	UTE	WAR		40	INLET	510XB
29	81	0.11	141	P2	TWD	9	011	-0.52	LTE	UTE	WAR	0	40	INLET	510XB
29	96	0.12	143	P2	TWD	8	012	-0.49	LTE	UTE	WAR		44	INLET	510XB
29	100	0.09	146	P2	TWD	6	010	-0.44	LTE	UTE	WAR		44	INLET	510XB
29	104	0.07	119	P2	TWD	6	004	-0.28	LTE	UTE	WAR		42	INLET	510XB
30	1	0.06	56	P2	TWD	5	010	+0.73	LTE	UTE	WAR		20	INLET	510XB
		0.13	142	P2	TWD	10	011	-0.26	LTE	UTE	WAR		20	INLET	510XB
30	3	0.11	153	P2	TWD	9	013	+0.34	LTE	UTE	WAR	2	20	INLET	510XB
30	26	0.09	137	P2	TWD	7	011	-0.57	LTE	UTE	WAR	3	14	INLET	510XB
30	44	0.12	147	P2	TWD	7	008	-0.54	LTE	UTE	WAR	2	555	INLET	510UL
30	49	0.05	135	P2	TWD	4	008	+0.13	LTE	UTE	WAR		14	INLET	510XB
30	53	0.04	77	P2	TWD	4	008	+0.08	LTE	UTE	WAR		40	INLET	510XB
30	60	0.05	148	P2	TWD	5	010	+0.18	LTE	UTE	WAR		40	INLET	510XB
30	67	0.05	126	P2	TWD	4	008	+0.13	LTE	UTE	WAR		40	INLET	510XB
30	96	0.09	150	P2	TWD	6	013	-0.47	LTE	UTE	WAR		44	INLET	510XB
31	1	0.43	129	P2	TWD	25	010	+0.71	LTE	UTE	WAR		20	INLET	510XB
		0.19	142	P2	TWD	13	011	+0.42	LTE	UTE	WAR		20	INLET	510XB
		0.13	131	P2	TWD	10	010	+0.39	LTE	UTE	WAR	7	20	INLET	510XB
		0.13	142	P2	TWD	10	010	-0.29	LTE	UTE	WAR	8	20	INLET	510XB
		1.88	110	154	VOL		010	+0.52	010	010	WAR		19	INLET	510XP
31	6	0.13	147	P2	TWD	9	011	+0.36	LTE	UTE	WAR	3	18	INLET	510XB
		0.09	152	P2	TWD	7	012	-0.39	LTE	UTE	WAR	4	18	INLET	510XB
31	10	0.07	148	P2	TWD	6	011	-0.39	LTE	UTE	WAR		18	INLET	510XB
31	20	0.05	157	P2	TWD	4	011	-0.52	LTE	UTE	WAR		18	INLET	510XB
31	26	0.13	128	P2	TWD	9	011	-0.57	LTE	UTE	WAR	0	14	INLET	510XB
31	27	0.13	129	P2	TWD	9	008	-0.57	LTE	UTE	WAR		14	INLET	510XB
31	41	0.12	138	P2	TWD	7	008	-0.57	LTE	UTE	WAR	4	555	INLET	510UL
31	56	0.03	63	P2	TWD	3	008	+0.05	LTE	UTE	WAR		40	INLET	510XB
31	80	0.18	141	P2	TWD	13	011	-0.57	LTE	UTE	WAR		38	INLET	510XB
		0.07	148	P2	TWD	5	011	+0.10	LTE	UTE	WAR	3	38	INLET	510XB
31	95	0.10	144	P2	TWD	7	012	+0.31	LTE	UTE	WAR		44	INLET	510XB
31	96	0.10	153	P2	TWD	8	012	+0.29	LTE	UTE	WAR		42	INLET	510XB
31	98	0.29	145	P2	TWD	19	011	-0.39	LTE	UTE	WAR		42	INLET	510XB
		0.14	154	P2	TWD	11	011	+0.34	LTE	UTE	WAR		42	INLET	510XB
		0.24	142	P2	TWD	17	013	+0.26	LTE	UTE	WAR		42	INLET	510XB
		0.14	141	P2	TWD	11	014	-0.46	LTE	UTE	WAR		42	INLET	510XB
31	99	0.13	148	P2	TWD	9	010	-0.46	LTE	UTE	WAR		44	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.07	150	P2	TWD	5	010	+0.62	LTE	UTE	WAR	4	44	INLET	510XB
32	5	0.14	142	P2	TWD	10	010	+0.70	LTE	UTE	WAR		18	INLET	510XB
32	9	0.13	142	P2	TWD	9	012	+0.26	LTE	UTE	WAR		18	INLET	510XB
32	10	0.13	142	P2	TWD	10	009	-0.47	LTE	UTE	WAR		20	INLET	510XB
32	25	0.10	144	P2	TWD	8	010	+0.16	LTE	UTE	WAR		16	INLET	510XB
32	33	0.12	134	P2	TWD	7	008	-0.56	LTE	UTE	WAR	0	555	INLET	510UL
32	39	0.13	142	P2	TWD	8	012	-0.77	LTE	UTE	WAR	8	555	INLET	510UL
32	40	0.07	149	P2	TWD	5	008	-0.55	LTE	UTE	WAR	3	14	INLET	510XB
		0.06	100	P2	TWD	4	008	+0.16	LTE	UTE	WAR		14	INLET	510XB
32	51	0.07	69	P2	TWD	5	011	-0.68	LTE	UTE	WAR		14	INLET	510XB
32	63	0.08	147	P2	TWD	7	008	+0.10	LTE	UTE	WAR		40	INLET	510XB
32	70	0.08	146	P2	TWD	7	007	-0.54	LTE	UTE	WAR		40	INLET	510XB
32	74	0.15	130	P2	TWD	10	008	-0.61	LTE	UTE	WAR	3	565	INLET	510UL
32	86	1.46	119	70	VOL		014	-0.59	014	014	WAR		39	INLET	510XP
		0.40	125	P2	TWD	25	014	-0.64	LTE	UTE	WAR		40	INLET	510XB
32	90	0.13	139	P2	TWD	9	012	-0.62	LTE	UTE	WAR		44	INLET	510XB
		0.08	135	P2	TWD	6	012	+0.26	LTE	UTE	WAR	4	44	INLET	510XB
32	91	0.15	148	P2	TWD	12	011	-0.52	LTE	UTE	WAR	4	42	INLET	510XB
32	93	0.13	132	P2	TWD	10	012	-0.57	LTE	UTE	WAR		42	INLET	510XB
32	105	0.13	154	P2	TWD	10	011	+0.36	LTE	UTE	WAR		42	INLET	510XB
		0.08	156	P2	TWD	6	012	-0.42	LTE	UTE	WAR		42	INLET	510XB
33	1	0.12	142	P2	TWD	9	009	+0.68	LTE	UTE	WAR		20	INLET	510XB
33	10	0.09	149	P2	TWD	7	011	-0.42	LTE	UTE	WAR		18	INLET	510XB
33	11	0.12	150	P2	TWD	9	012	+0.24	LTE	UTE	WAR		20	INLET	510XB
33	28	0.07	135	P2	TWD	5	008	+0.16	LTE	UTE	WAR		14	INLET	510XB
		0.06	153	P2	TWD	5	008	-0.54	LTE	UTE	WAR	0	14	INLET	510XB
33	31	0.12	138	P2	TWD	9	008	-0.57	LTE	UTE	WAR		14	INLET	510XB
33	42	0.06	143	P2	TWD	5	007	-0.59	LTE	UTE	WAR	2	14	INLET	510XB
		0.11	114	P2	TWD	8	008	-0.60	LTE	UTE	WAR	0	14	INLET	510XB
		0.05	82	P2	TWD	4	008	+0.08	LTE	UTE	WAR		14	INLET	510XB
33	48	0.07	82	P2	TWD	5	007	+0.08	LTE	UTE	WAR		14	INLET	510XB
33	50	0.13	144	P2	TWD	9	007	+0.10	LTE	UTE	WAR		14	INLET	510XB
33	56	0.16	147	P2	TWD	11	007	+0.13	LTE	UTE	WAR		38	INLET	510XB
		0.07	79	P2	TWD	5	008	+0.08	LTE	UTE	WAR		38	INLET	510XB
33	57	0.02	148	P2	TWD	2	008	+0.03	LTE	UTE	WAR		40	INLET	510XB
33	69	0.06	148	P2	TWD	5	008	+0.08	LTE	UTE	WAR		40	INLET	510XB
33	72	0.09	149	P2	TWD	6	007	-0.54	LTE	UTE	WAR		38	INLET	510XB
33	73	0.08	144	P2	TWD	7	014	-0.05	LTE	UTE	WAR		40	INLET	510XB
33	106	0.13	147	P2	TWD	9	011	+0.36	LTE	UTE	WAR	0	52	INLET	510XB
34	12	0.11	151	P2	TWD	8	012	+0.24	LTE	UTE	WAR		18	INLET	510XB
34	25	0.06	145	P2	TWD	5	008	+0.16	LTE	UTE	WAR		14	INLET	510XB
34	27	0.05	102	P2	TWD	4	008	+0.16	LTE	UTE	WAR		14	INLET	510XB
34	32	0.11	142	P2	TWD	8	008	-0.55	LTE	UTE	WAR	0	553	INLET	510UL
34	34	0.08	148	P2	TWD	6	008	-0.57	LTE	UTE	WAR	0	14	INLET	510XB
		0.05	114	P2	TWD	4	008	+0.13	LTE	UTE	WAR		14	INLET	510XB
34	36	0.05	118	P2	TWD	4	008	+0.13	LTE	UTE	WAR		14	INLET	510XB
34	38	0.07	77	P2	TWD	6	007	+0.08	LTE	UTE	WAR		14	INLET	510XB
34	49	0.10	96	P2	TWD	7	008	-0.65	LTE	UTE	WAR	0	14	INLET	510XB
		0.05	149	P2	TWD	4	008	+0.10	LTE	UTE	WAR		14	INLET	510XB
34	64	0.07	152	P2	TWD	6	008	+0.03	LTE	UTE	WAR		40	INLET	510XB
34	100	0.23	123	P2	TWD	14	012	-0.52	LTE	UTE	WAR		52	INLET	510XB
		0.07	158	P2	TWD	5	012	+0.34	LTE	UTE	WAR		52	INLET	510XB
34	101	0.14	148	P2	TWD	11	011	-0.42	LTE	UTE	WAR		50	INLET	510XB
		0.13	150	P2	TWD	10	011	+0.29	LTE	UTE	WAR		50	INLET	510XB
34	102	0.17	143	P2	TWD	11	011	-0.39	LTE	UTE	WAR		52	INLET	510XB
34	106	0.30	142	P2	TWD	18	012	-0.41	LTE	UTE	WAR		52	INLET	510XB
34	109	0.12	145	P2	TWD	9	008	-0.36	LTE	UTE	WAR		50	INLET	510XB
35	5	0.18	126	P2	TWD	13	010	+0.68	LTE	UTE	WAR		20	INLET	510XB
35	6	0.20	147	P2	TWD	13	013	-0.39	LTE	UTE	WAR		18	INLET	510XB
35	26	0.05	112	P2	TWD	4	008	+0.18	LTE	UTE	WAR		14	INLET	510XB
35	27	0.11	130	P2	TWD	8	008	-0.55	LTE	UTE	WAR	0	553	INLET	510UL
35	29	0.11	127	P2	TWD	7	010	+0.08	LTE	UTE	WAR	0	553	INLET	510UL
35	34	0.07	129	P2	TWD	5	008	+0.13	LTE	UTE	WAR		14	INLET	510XB
		0.09	149	P2	TWD	6	009	+0.08	LTE	UTE	WAR		14	INLET	510XB
35	38	0.08	154	P2	TWD	6	009	+0.08	LTE	UTE	WAR	3	14	INLET	510XB
		0.08	116	P2	TWD	6	011	-0.65	LTE	UTE	WAR		14	INLET	510XB
35	40	0.10	130	P2	TWD	7	008	-0.60	LTE	UTE	WAR	0	14	INLET	510XB
		0.06	115	P2	TWD	5	008	+0.08	LTE	UTE	WAR		14	INLET	510XB
35	46	0.12	132	P2	TWD	8	008	-0.60	LTE	UTE	WAR	0	14	INLET	510XB
		0.06	108	P2	TWD	5	008	+0.10	LTE	UTE	WAR		14	INLET	510XB
35	49	0.13	138	P2	TWD	9	006	+0.05	LTE	UTE	WAR		14	INLET	510XB
		0.09	129	P2	TWD	7	008	-0.62	LTE	UTE	WAR	0	14	INLET	510XB
35	51	0.06	139	P2	TWD	5	007	+0.03	LTE	UTE	WAR		42	INLET	510XB
35	53	0.05	126	P2	TWD	4	008	+0.60	LTE	UTE	WAR	2	42	INLET	510XB
35	65	0.06	157	P2	TWD	5	009	+0.03	LTE	UTE	WAR		40	INLET	510XB
35	79	0.15	138	P2	TWD	12	011	-0.60	LTE	UTE	WAR		40	INLET	510XB
		0.10	136	P2	TWD	8	014	-0.70	LTE	UTE	WAR		40	INLET	510XB
		0.11	153	P2	TWD	9	014	-0.05	LTE	UTE	WAR	6	40	INLET	510XB
35	95	0.08	149	P2	TWD	5	011	-0.52	LTE	UTE	WAR		52	INLET	510XB
		0.08	140	P2	TWD	6	011	+0.16	LTE	UTE	WAR		52	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
35	102	0.11	152	P2	TWD	9	012	+0.36	LTE	UTE	WAR		50	INLET	510XB
35	104	1.32	105	98	VOL		012	+0.26	012	012	WAR		49	INLET	510XP
		0.13	147	P2	TWD	10	011	-0.36	LTE	UTE	WAR		50	INLET	510XB
		0.15	146	P2	TWD	11	012	-0.47	LTE	UTE	WAR		50	INLET	510XB
		0.33	137	P2	TWD	21	012	+0.36	LTE	UTE	WAR		50	INLET	510XB
35	107	0.07	148	P2	TWD	5	012	-0.44	LTE	UTE	WAR		52	INLET	510XB
		0.08	142	P2	TWD	6	011	+0.34	LTE	UTE	WAR	0	52	INLET	510XB
36	5	0.07	129	P2	TWD	5	012	+0.36	LTE	UTE	WAR	0	24	INLET	510XB
36	7	0.15	144	P2	TWD	11	013	-0.44	LTE	UTE	WAR		24	INLET	510XB
36	10	0.12	138	P2	TWD	8	012	+0.26	LTE	UTE	WAR	4	22	INLET	510XB
36	13	0.07	129	P2	TWD	5	008	+0.23	LTE	UTE	WAR	3	24	INLET	510XB
36	33	0.10	132	P2	TWD	8	011	-0.63	LTE	UTE	WAR		16	INLET	510XB
36	39	0.06	71	P2	TWD	4	008	+0.10	LTE	UTE	WAR		14	INLET	510XB
		0.06	115	P2	TWD	5	008	-0.57	LTE	UTE	WAR	0	14	INLET	510XB
36	43	0.11	155	P2	TWD	8	007	+0.10	LTE	UTE	WAR		14	INLET	510XB
36	51	0.07	152	P2	TWD	6	007	+0.03	LTE	UTE	WAR		42	INLET	510XB
36	59	0.05	54	P2	TWD	4	007	+0.10	LTE	UTE	WAR		40	INLET	510XB
36	60	0.05	122	P2	TWD	5	008	+0.03	LTE	UTE	WAR		40	INLET	510XB
36	66	0.12	141	P2	TWD	10	007	-0.60	LTE	UTE	WAR		40	INLET	510XB
36	75	0.09	117	P2	TWD	6	008	-0.61	LTE	UTE	WAR	0	569	INLET	510UL
36	77	0.09	144	P2	TWD	6	007	-0.59	LTE	UTE	WAR	4	569	INLET	510UL
36	90	0.10	134	P2	TWD	7	011	-0.54	LTE	UTE	WAR		52	INLET	510XB
		0.09	141	P2	TWD	6	012	-0.65	LTE	UTE	WAR		52	INLET	510XB
36	101	0.08	141	P2	TWD	7	011	-0.44	LTE	UTE	WAR		50	INLET	510XB
36	105	0.18	152	P2	TWD	13	011	-0.42	LTE	UTE	WAR		50	INLET	510XB
36	108	0.11	150	P2	TWD	8	011	+0.36	LTE	UTE	WAR	4	52	INLET	510XB
		0.08	144	P2	TWD	6	013	+0.36	LTE	UTE	WAR	0	52	INLET	510XB
36	109	0.23	138	P2	TWD	16	011	-0.36	LTE	UTE	WAR		50	INLET	510XB
		0.16	148	P2	TWD	12	011	+0.34	LTE	UTE	WAR		50	INLET	510XB
36	113	0.21	145	P2	TWD	15	011	+0.41	LTE	UTE	WAR		50	INLET	510XB
		0.06	155	P2	TWD	5	013	+0.41	LTE	UTE	WAR	0	50	INLET	510XB
37	4	0.11	149	P2	TWD	7	011	-0.31	LTE	UTE	WAR		22	INLET	510XB
37	12	0.16	147	P2	TWD	11	011	-0.39	LTE	UTE	WAR		22	INLET	510XB
37	13	0.13	137	P2	TWD	10	011	+0.29	LTE	UTE	WAR		24	INLET	510XB
37	14	0.09	149	P2	TWD	7	012	+0.23	LTE	UTE	WAR		22	INLET	510XB
37	26	0.08	128	P2	TWD	6	008	+0.13	LTE	UTE	WAR		14	INLET	510XB
37	39	0.12	78	P2	TWD	9	008	-0.60	LTE	UTE	WAR		14	INLET	510XB
		0.08	83	P2	TWD	6	008	+0.10	LTE	UTE	WAR		14	INLET	510XB
37	46	0.13	130	P2	TWD	9	008	-0.63	LTE	UTE	WAR		14	INLET	510XB
37	49	0.07	143	P2	TWD	6	007	+0.13	LTE	UTE	WAR		14	INLET	510XB
37	50	0.09	108	P2	TWD	7	008	-0.59	LTE	UTE	WAR		42	INLET	510XB
37	52	0.06	133	P2	TWD	5	007	-0.59	LTE	UTE	WAR		42	INLET	510XB
37	77	0.17	148	P2	TWD	13	007	-0.54	LTE	UTE	WAR		40	INLET	510XB
37	89	0.06	142	P2	TWD	5	013	+0.05	LTE	UTE	WAR		40	INLET	510XB
37	103	0.11	150	P2	TWD	9	011	-0.41	LTE	UTE	WAR		50	INLET	510XB
37	106	0.14	139	P2	TWD	10	011	-0.39	LTE	UTE	WAR		52	INLET	510XB
		0.11	142	P2	TWD	7	013	+0.31	LTE	UTE	WAR	0	52	INLET	510XB
37	108	0.13	129	P2	TWD	9	012	+0.39	LTE	UTE	WAR		52	INLET	510XB
37	110	0.10	138	P2	TWD	7	011	-0.36	LTE	UTE	WAR		52	INLET	510XB
		0.08	152	P2	TWD	6	011	+0.36	LTE	UTE	WAR	3	52	INLET	510XB
37	111	0.09	152	P2	TWD	7	011	-0.31	LTE	UTE	WAR	4	50	INLET	510XB
37	113	0.09	141	P2	TWD	7	011	-0.28	LTE	UTE	WAR	4	50	INLET	510XB
37	114	0.08	136	P2	TWD	7	012	-0.39	LTE	UTE	WAR		50	INLET	510XB
38	1	0.14	150	P2	TWD	10	011	-0.26	LTE	UTE	WAR		24	INLET	510XB
		0.06	117	P2	TWD	5	003	-0.26	LTE	UTE	WAR	5	24	INLET	510XB
38	4	0.31	137	P2	TWD	18	013	-0.39	LTE	UTE	WAR		22	INLET	510XB
38	8	0.14	147	P2	TWD	10	013	-0.42	LTE	UTE	WAR		22	INLET	510XB
38	31	0.11	112	P2	TWD	8	011	-0.62	LTE	UTE	WAR		14	INLET	510XB
38	33	0.05	129	P2	TWD	4	008	+0.16	LTE	UTE	WAR		14	INLET	510XB
38	36	0.11	142	P2	TWD	8	008	-0.60	LTE	UTE	WAR		14	INLET	510XB
38	38	0.08	145	P2	TWD	6	007	+0.16	LTE	UTE	WAR		16	INLET	510XB
38	39	0.14	151	P2	TWD	10	010	+0.05	LTE	UTE	WAR		14	INLET	510XB
38	41	0.08	142	P2	TWD	6	007	-0.59	LTE	UTE	WAR		14	INLET	510XB
38	53	0.11	143	P2	TWD	8	008	-0.59	LTE	UTE	WAR		44	INLET	510XB
		0.04	147	P2	TWD	3	008	+0.05	LTE	UTE	WAR		44	INLET	510XB
38	54	0.06	162	P2	TWD	5	006	+0.13	LTE	UTE	WAR		42	INLET	510XB
38	55	0.11	132	P2	TWD	8	008	-0.62	LTE	UTE	WAR		44	INLET	510XB
		0.04	115	P2	TWD	3	008	+0.03	LTE	UTE	WAR		44	INLET	510XB
38	68	0.08	143	P2	TWD	7	007	+0.13	LTE	UTE	WAR		40	INLET	510XB
38	87	0.08	148	P2	TWD	7	007	-0.54	LTE	UTE	WAR		40	INLET	510XB
38	94	0.06	141	P2	TWD	4	012	+0.18	LTE	UTE	WAR		52	INLET	510XB
38	106	0.22	139	P2	TWD	14	011	-0.44	LTE	UTE	WAR		52	INLET	510XB
		0.21	138	P2	TWD	13	012	+0.34	LTE	UTE	WAR		52	INLET	510XB
38	107	0.05	153	P2	TWD	4	013	-0.44	LTE	UTE	WAR		50	INLET	510XB
38	112	0.15	135	P2	TWD	10	011	-0.33	LTE	UTE	WAR	3	52	INLET	510XB
38	114	0.12	84	P2	TWD	8	010	+0.72	LTE	UTE	WAR		52	INLET	510XB
		0.07	138	P2	TWD	5	008	-0.36	LTE	UTE	WAR	5	52	INLET	510XB
38	115	0.06	157	P2	TWD	5	008	+0.36	LTE	UTE	WAR		50	INLET	510XB
39	1	0.07	147	P2	TWD	5	013	-0.37	LTE	UTE	WAR	3	24	INLET	510XB
		0.08	134	P2	TWD	6	011	+0.37	LTE	UTE	WAR	3	24	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
39	3	0.05	152	P2	TWD	4	012	+0.39	LTE	UTE	WAR	0	24	INLET	510XB
39	12	0.15	140	P2	TWD	10	012	-0.52	LTE	UTE	WAR		22	INLET	510XB
		0.11	148	P2	TWD	8	012	+0.23	LTE	UTE	WAR		22	INLET	510XB
39	14	0.09	153	P2	TWD	7	010	+0.62	LTE	UTE	WAR	6	22	INLET	510XB
39	17	0.13	150	P2	TWD	10	011	-0.47	LTE	UTE	WAR		24	INLET	510XB
		0.10	143	P2	TWD	7	011	+0.21	LTE	UTE	WAR		24	INLET	510XB
39	31	0.06	142	P2	TWD	5	008	+0.10	LTE	UTE	WAR		14	INLET	510XB
		0.07	124	P2	TWD	6	011	-0.62	LTE	UTE	WAR		14	INLET	510XB
39	33	0.10	132	P2	TWD	7	011	-0.65	LTE	UTE	WAR		14	INLET	510XB
		0.06	133	P2	TWD	5	009	+0.10	LTE	UTE	WAR	3	14	INLET	510XB
39	43	0.06	142	P2	TWD	5	007	+0.05	LTE	UTE	WAR		14	INLET	510XB
39	47	0.10	117	P2	TWD	7	008	-0.60	LTE	UTE	WAR		14	INLET	510XB
39	74	0.13	122	P2	TWD	9	008	-0.62	LTE	UTE	WAR	0	569	INLET	510UL
39	78	0.11	124	P2	TWD	7	008	-0.59	LTE	UTE	WAR	0	569	INLET	510UL
39	103	0.09	139	P2	TWD	7	014	+0.16	LTE	UTE	WAR		50	INLET	510XB
39	104	0.33	142	P2	TWD	19	013	-0.46	LTE	UTE	WAR		52	INLET	510XB
		0.17	146	P2	TWD	11	014	+0.21	LTE	UTE	WAR		52	INLET	510XB
		0.09	149	P2	TWD	7	013	+0.23	LTE	UTE	WAR	3	52	INLET	510XB
39	112	0.15	136	P2	TWD	10	011	-0.33	LTE	UTE	WAR		52	INLET	510XB
40	1	0.10	127	P2	TWD	8	003	-0.26	LTE	UTE	WAR		24	INLET	510XB
		0.14	148	P2	TWD	10	013	+0.31	LTE	UTE	WAR	7	24	INLET	510XB
		0.07	150	P2	TWD	6	012	-0.37	LTE	UTE	WAR	3	24	INLET	510XB
40	2	0.07	138	P2	TWD	5	003	-0.28	LTE	UTE	WAR	0	24	INLET	510XB
40	4	0.07	150	P2	TWD	6	011	-0.31	LTE	UTE	WAR	4	24	INLET	510XB
		0.21	137	P2	TWD	14	012	+0.39	LTE	UTE	WAR		24	INLET	510XB
40	6	0.07	154	P2	TWD	6	013	-0.47	LTE	UTE	WAR	0	24	INLET	510XB
40	12	0.07	144	P2	TWD	5	009	-0.49	LTE	UTE	WAR	6	24	INLET	510XB
		0.12	146	P2	TWD	9	011	-0.39	LTE	UTE	WAR	4	24	INLET	510XB
		0.12	146	P2	TWD	9	012	-0.50	LTE	UTE	WAR	7	24	INLET	510XB
40	13	0.13	132	P2	TWD	9	012	-0.55	LTE	UTE	WAR		22	INLET	510XB
40	26	0.13	128	P2	TWD	9	014	-0.69	LTE	UTE	WAR		22	INLET	510XB
40	28	0.06	155	P2	TWD	5	009	+0.08	LTE	UTE	WAR		14	INLET	510XB
40	31	0.09	134	P2	TWD	7	008	+0.08	LTE	UTE	WAR		14	INLET	510XB
40	40	0.06	37	P2	TWD	5	008	+0.08	LTE	UTE	WAR		14	INLET	510XB
40	42	0.06	145	P2	TWD	5	007	-0.62	LTE	UTE	WAR		14	INLET	510XB
		0.08	130	P2	TWD	6	010	+0.00	LTE	UTE	WAR	4	14	INLET	510XB
		0.10	119	P2	TWD	8	011	-0.67	LTE	UTE	WAR	8	14	INLET	510XB
40	44	0.08	142	P2	TWD	6	007	+0.10	LTE	UTE	WAR	4	553	INLET	510UL
40	52	0.05	121	P2	TWD	4	008	+0.05	LTE	UTE	WAR		42	INLET	510XB
40	105	0.11	148	P2	TWD	8	011	-0.47	LTE	UTE	WAR	0	50	INLET	510XB
41	3	0.08	117	P2	TWD	6	011	+0.37	LTE	UTE	WAR	0	24	INLET	510XB
41	4	0.16	138	P2	TWD	11	013	-0.39	LTE	UTE	WAR		22	INLET	510XB
41	6	0.09	147	P2	TWD	6	012	-0.37	LTE	UTE	WAR		22	INLET	510XB
		0.22	141	P2	TWD	14	013	-0.42	LTE	UTE	WAR		22	INLET	510XB
41	10	0.11	144	P2	TWD	7	012	+0.26	LTE	UTE	WAR		22	INLET	510XB
41	11	0.07	153	P2	TWD	5	012	+0.23	LTE	UTE	WAR	5	24	INLET	510XB
		0.11	136	P2	TWD	8	012	-0.58	LTE	UTE	WAR	6	24	INLET	510XB
41	12	0.08	59	P2	TWD	6	012	-0.55	LTE	UTE	WAR		22	INLET	510XB
41	14	0.11	153	P2	TWD	8	011	+0.26	LTE	UTE	WAR		22	INLET	510XB
		0.14	149	P2	TWD	10	011	-0.47	LTE	UTE	WAR	3	22	INLET	510XB
41	40	0.05	127	P2	TWD	4	007	+0.10	LTE	UTE	WAR		14	INLET	510XB
41	42	0.12	94	P2	TWD	8	008	-0.58	LTE	UTE	WAR	0	553	INLET	510UL
41	50	0.14	142	P2	TWD	11	007	+0.03	LTE	UTE	WAR		42	INLET	510XB
41	61	0.06	93	P2	TWD	5	007	+0.03	LTE	UTE	WAR		40	INLET	510XB
41	81	0.16	143	P2	TWD	13	014	-0.75	LTE	UTE	WAR		40	INLET	510XB
41	104	0.10	152	P2	TWD	7	012	+0.23	LTE	UTE	WAR		52	INLET	510XB
41	107	0.59	121	86	VOL		011	-0.52	011	011	WAR		49	INLET	510XP
		0.34	137	P2	TWD	21	011	-0.41	LTE	UTE	WAR		50	INLET	510XB
41	113	0.18	152	P2	TWD	13	012	-0.44	LTE	UTE	WAR		50	INLET	510XB
42	1	0.10	148	P2	TWD	8	011	-0.29	LTE	UTE	WAR	4	24	INLET	510XB
42	12	0.09	140	P2	TWD	7	012	+0.21	LTE	UTE	WAR		22	INLET	510XB
42	13	0.13	150	P2	TWD	10	011	-0.42	LTE	UTE	WAR		24	INLET	510XB
42	15	0.16	144	P2	TWD	11	013	-0.55	LTE	UTE	WAR		24	INLET	510XB
42	37	0.11	140	P2	TWD	8	010	+0.03	LTE	UTE	WAR		14	INLET	510XB
42	48	0.09	115	P2	TWD	7	008	-0.62	LTE	UTE	WAR		14	INLET	510XB
42	49	0.18	148	P2	TWD	14	007	+0.10	LTE	UTE	WAR		42	INLET	510XB
42	57	0.10	30	P2	TWD	7	007	+0.08	LTE	UTE	WAR		44	INLET	510XB
42	58	0.09	134	P2	TWD	8	008	-0.62	LTE	UTE	WAR		42	INLET	510XB
42	67	0.12	122	P2	TWD	8	008	-0.62	LTE	UTE	WAR	0	569	INLET	510UL
42	83	0.13	131	P2	TWD	9	007	+0.10	LTE	UTE	WAR	5	569	INLET	510UL
42	86	0.10	146	P2	TWD	7	010	-0.72	LTE	UTE	WAR	0	569	INLET	510UL
		0.09	145	P2	TWD	6	007	-0.59	LTE	UTE	WAR	6	569	INLET	510UL
42	88	0.08	122	P2	TWD	5	008	+0.10	LTE	UTE	WAR	5	569	INLET	510UL
		0.13	124	P2	TWD	9	011	-0.64	LTE	UTE	WAR	6	569	INLET	510UL
42	100	0.09	148	P2	TWD	7	012	-0.62	LTE	UTE	WAR		52	INLET	510XB
42	107	0.08	155	P2	TWD	6	009	-0.44	LTE	UTE	WAR		50	INLET	510XB
		0.17	147	P2	TWD	13	011	-0.44	LTE	UTE	WAR		50	INLET	510XB
43	1	0.06	158	P2	TWD	5	011	-0.29	LTE	UTE	WAR	4	24	INLET	510XB
43	4	0.10	152	P2	TWD	7	013	-0.39	LTE	UTE	WAR		22	INLET	510XB
43	9	0.09	144	P2	TWD	7	011	-0.36	LTE	UTE	WAR		24	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.15	150	P2	TWD	11	012	-0.58	LTE	UTE	WAR		24	INLET	510XB
43	28	0.14	125	P2	TWD	10	011	-0.62	LTE	UTE	WAR		14	INLET	510XB
43	38	0.07	107	P2	TWD	5	008	-0.59	LTE	UTE	WAR		14	INLET	510XB
43	50	0.05	148	P2	TWD	4	007	+0.05	LTE	UTE	WAR		42	INLET	510XB
		0.06	128	P2	TWD	5	007	-0.62	LTE	UTE	WAR	5	42	INLET	510XB
43	87	0.15	143	P2	TWD	10	011	-0.65	LTE	UTE	WAR	5	569	INLET	510UL
43	89	0.13	128	P2	TWD	9	011	-0.62	LTE	UTE	WAR	0	569	INLET	510UL
43	98	0.08	156	P2	TWD	5	012	+0.10	LTE	UTE	WAR		52	INLET	510XB
43	105	0.10	151	P2	TWD	8	012	+0.21	LTE	UTE	WAR		50	INLET	510XB
43	106	0.20	144	P2	TWD	13	011	-0.49	LTE	UTE	WAR		52	INLET	510XB
43	112	0.10	150	P2	TWD	7	011	+0.28	LTE	UTE	WAR	0	52	INLET	510XB
		0.08	158	P2	TWD	6	013	+0.26	LTE	UTE	WAR	0	52	INLET	510XB
43	115	0.15	141	P2	TWD	12	013	+0.31	LTE	UTE	WAR		50	INLET	510XB
44	1	0.07	143	P2	TWD	5	011	-0.26	LTE	UTE	WAR	0	24	INLET	510XB
44	3	0.14	145	P2	TWD	10	011	-0.29	LTE	UTE	WAR		22	INLET	510XB
		0.13	145	P2	TWD	9	012	-0.39	LTE	UTE	WAR		22	INLET	510XB
44	4	0.10	160	P2	TWD	8	012	-0.45	LTE	UTE	WAR		24	INLET	510XB
44	7	0.13	148	P2	TWD	9	012	-0.47	LTE	UTE	WAR		22	INLET	510XB
		0.13	142	P2	TWD	9	012	+0.31	LTE	UTE	WAR		22	INLET	510XB
		0.08	148	P2	TWD	6	013	+0.28	LTE	UTE	WAR		22	INLET	510XB
44	8	0.10	149	P2	TWD	7	009	-0.44	LTE	UTE	WAR		24	INLET	510XB
		0.12	148	P2	TWD	8	012	-0.52	LTE	UTE	WAR		24	INLET	510XB
		0.19	145	P2	TWD	13	013	-0.47	LTE	UTE	WAR		24	INLET	510XB
44	9	0.17	147	P2	TWD	11	012	-0.50	LTE	UTE	WAR	9	22	INLET	510XB
		0.10	138	P2	TWD	7	011	-0.36	LTE	UTE	WAR	5	22	INLET	510XB
44	10	0.12	153	P2	TWD	9	011	-0.39	LTE	UTE	WAR		24	INLET	510XB
		0.11	152	P2	TWD	8	012	+0.23	LTE	UTE	WAR	0	24	INLET	510XB
44	13	0.16	144	P2	TWD	11	013	-0.52	LTE	UTE	WAR		22	INLET	510XB
44	15	0.09	156	P2	TWD	6	011	+0.21	LTE	UTE	WAR		22	INLET	510XB
44	23	0.08	148	P2	TWD	6	010	+0.10	LTE	UTE	WAR		22	INLET	510XB
44	33	0.10	126	P2	TWD	7	008	-0.62	LTE	UTE	WAR		14	INLET	510XB
44	37	0.07	128	P2	TWD	6	008	-0.65	LTE	UTE	WAR		14	INLET	510XB
		0.05	94	P2	TWD	4	008	+0.05	LTE	UTE	WAR		14	INLET	510XB
44	39	0.06	70	P2	TWD	5	008	+0.05	LTE	UTE	WAR		14	INLET	510XB
		0.06	124	P2	TWD	5	008	-0.62	LTE	UTE	WAR		14	INLET	510XB
44	50	0.06	77	P2	TWD	5	007	+0.08	LTE	UTE	WAR		42	INLET	510XB
44	53	0.14	115	P2	TWD	11	008	-0.64	LTE	UTE	WAR		42	INLET	510XB
44	55	0.10	79	P2	TWD	7	008	-0.59	LTE	UTE	WAR		44	INLET	510XB
44	56	0.05	101	P2	TWD	4	007	+0.08	LTE	UTE	WAR		42	INLET	510XB
44	75	0.06	133	P2	TWD	5	008	+0.03	LTE	UTE	WAR		40	INLET	510XB
44	86	0.06	153	P2	TWD	5	008	+0.08	LTE	UTE	WAR		40	INLET	510XB
44	92	0.06	149	P2	TWD	5	011	+0.03	LTE	UTE	WAR		40	INLET	510XB
44	105	0.09	156	P2	TWD	7	012	+0.18	LTE	UTE	WAR		50	INLET	510XB
		0.12	142	P2	TWD	10	014	-0.59	LTE	UTE	WAR		50	INLET	510XB
44	108	0.23	147	P2	TWD	14	011	-0.46	LTE	UTE	WAR		52	INLET	510XB
44	109	0.11	150	P2	TWD	9	011	-0.47	LTE	UTE	WAR		50	INLET	510XB
44	111	0.09	153	P2	TWD	7	012	-0.49	LTE	UTE	WAR	5	50	INLET	510XB
44	113	0.46	115	62	VOL		012	-0.49	012	012	WAR		49	INLET	510XP
		0.22	142	P2	TWD	16	010	-0.44	LTE	UTE	WAR		50	INLET	510XB
		0.30	141	P2	TWD	20	012	-0.47	LTE	UTE	WAR		50	INLET	510XB
44	117	0.11	144	P2	TWD	8	013	+0.33	LTE	UTE	WAR		136	INLET	510XB
44	119	0.10	150	P2	TWD	8	013	+0.38	LTE	UTE	WAR		50	INLET	510XB
		0.07	135	P2	TWD	5	011	-0.31	LTE	UTE	WAR	2	50	INLET	510XB
45	1	0.10	144	P2	TWD	7	013	-0.42	LTE	UTE	WAR	4	24	INLET	510XB
45	3	0.10	148	P2	TWD	8	011	-0.29	LTE	UTE	WAR		24	INLET	510XB
45	9	0.14	130	P2	TWD	10	012	-0.58	LTE	UTE	WAR	6	24	INLET	510XB
		0.08	130	P2	TWD	6	012	+0.26	LTE	UTE	WAR	6	24	INLET	510XB
45	11	0.09	148	P2	TWD	7	012	+0.21	LTE	UTE	WAR	3	24	INLET	510XB
45	31	0.06	106	P2	TWD	5	008	+0.08	LTE	UTE	WAR		14	INLET	510XB
45	74	0.05	139	P2	TWD	4	008	+0.08	LTE	UTE	WAR		40	INLET	510XB
45	82	0.13	132	P2	TWD	9	008	-0.60	LTE	UTE	WAR	0	573	INLET	510UL
45	84	0.04	146	P2	TWD	4	008	+0.05	LTE	UTE	WAR		40	INLET	510XB
45	93	0.10	130	P2	TWD	7	009	-0.64	LTE	UTE	WAR	5	569	INLET	510UL
45	107	0.13	138	P2	TWD	10	011	-0.47	LTE	UTE	WAR		50	INLET	510XB
		0.09	149	P2	TWD	7	012	+0.13	LTE	UTE	WAR		50	INLET	510XB
		0.13	133	P2	TWD	10	012	-0.57	LTE	UTE	WAR	6	50	INLET	510XB
45	109	0.08	153	P2	TWD	6	011	+0.26	LTE	UTE	WAR	2	50	INLET	510XB
45	110	0.13	149	P2	TWD	9	011	-0.44	LTE	UTE	WAR		52	INLET	510XB
		0.07	158	P2	TWD	5	009	-0.62	LTE	UTE	WAR		52	INLET	510XB
45	111	0.12	148	P2	TWD	9	012	-0.54	LTE	UTE	WAR		50	INLET	510XB
45	112	0.13	140	P2	TWD	9	012	-0.52	LTE	UTE	WAR	5	52	INLET	510XB
45	113	0.25	148	P2	TWD	17	012	-0.47	LTE	UTE	WAR		50	INLET	510XB
		0.09	135	P2	TWD	7	012	+0.34	LTE	UTE	WAR	3	50	INLET	510XB
45	116	0.24	139	P2	TWD	15	012	-0.44	LTE	UTE	WAR		52	INLET	510XB
46	1	0.14	145	P2	TWD	10	010	-0.29	LTE	UTE	WAR		24	INLET	510XB
46	4	0.20	141	P2	TWD	13	011	-0.34	LTE	UTE	WAR		24	INLET	510XB
		0.16	131	P2	TWD	11	013	+0.28	LTE	UTE	WAR	0	24	INLET	510XB
46	7	0.12	154	P2	TWD	9	012	-0.47	LTE	UTE	WAR	3	22	INLET	510XB
46	31	0.06	93	P2	TWD	4	010	+0.08	LTE	UTE	WAR		14	INLET	510XB
46	32	0.15	149	P2	TWD	11	014	-0.08	LTE	UTE	WAR		14	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.13	136	P2	TWD	9	014 -0.79	LTE	UTE	WAR		14	INLET	510XB
46	36	0.11	131	P2	TWD	9	011 -0.66	LTE	UTE	WAR		74	INLET	510XB
46	50	0.14	112	P2	TWD	11	008 -0.62	LTE	UTE	WAR		42	INLET	510XB
46	54	0.05	133	P2	TWD	4	007 +0.03	LTE	UTE	WAR		42	INLET	510XB
46	65	0.08	95	P2	TWD	7	008 -0.60	LTE	UTE	WAR	5	40	INLET	510XB
46	66	0.10	128	P2	TWD	7	008 -0.60	LTE	UTE	WAR	0	577	INLET	510UL
46	84	0.15	150	P2	TWD	12	007 -0.62	LTE	UTE	WAR		40	INLET	510XB
46	97	0.12	139	P2	TWD	10	013 -0.68	LTE	UTE	WAR		50	INLET	510XB
46	103	0.08	153	P2	TWD	6	012 +0.10	LTE	UTE	WAR	0	52	INLET	510XB
46	110	0.09	151	P2	TWD	7	011 -0.47	LTE	UTE	WAR	5	50	INLET	510XB
		0.09	154	P2	TWD	7	011 +0.23	LTE	UTE	WAR	2	50	INLET	510XB
46	113	0.07	155	P2	TWD	5	014 +0.23	LTE	UTE	WAR		52	INLET	510XB
		0.08	157	P2	TWD	5	013 +0.28	LTE	UTE	WAR	0	52	INLET	510XB
46	117	0.09	151	P2	TWD	6	013 -0.39	LTE	UTE	WAR	3	52	INLET	510XB
		0.10	144	P2	TWD	7	013 +0.31	LTE	UTE	WAR	5	52	INLET	510XB
47	1	0.10	148	P2	TWD	8	013 -0.39	LTE	UTE	WAR		24	INLET	510XB
47	3	0.08	149	P2	TWD	6	012 -0.39	LTE	UTE	WAR	0	24	INLET	510XB
47	5	0.09	150	P2	TWD	7	013 +0.23	LTE	UTE	WAR	0	24	INLET	510XB
47	57	0.09	131	P2	TWD	7	008 -0.62	LTE	UTE	WAR	5	603	INLET	510UL
47	63	0.08	123	P2	TWD	6	007 +0.13	LTE	UTE	WAR	6	603	INLET	510UL
47	76	0.06	135	P2	TWD	5	007 +0.08	LTE	UTE	WAR		136	INLET	510XB
47	109	0.09	145	P2	TWD	7	008 -0.54	LTE	UTE	WAR	5	50	INLET	510XB
		0.08	139	P2	TWD	6	011 -0.46	LTE	UTE	WAR	4	50	INLET	510XB
47	110	0.08	153	P2	TWD	6	011 +0.21	LTE	UTE	WAR	3	52	INLET	510XB
47	111	0.12	158	P2	TWD	9	011 +0.26	LTE	UTE	WAR	4	50	INLET	510XB
47	114	0.13	139	P2	TWD	9	013 +0.25	LTE	UTE	WAR		52	INLET	510XB
48	5	0.15	154	P2	TWD	10	012 -0.42	LTE	UTE	WAR		22	INLET	510XB
48	20	0.07	119	P2	TWD	5	008 -0.57	LTE	UTE	WAR		24	INLET	510XB
		0.07	151	P2	TWD	5	010 +0.10	LTE	UTE	WAR		24	INLET	510XB
48	40	0.09	119	P2	TWD	7	008 -0.65	LTE	UTE	WAR	0	14	INLET	510XB
		0.03	96	P2	TWD	3	008 +0.03	LTE	UTE	WAR		14	INLET	510XB
48	46	0.10	103	P2	TWD	7	008 -0.62	LTE	UTE	WAR	3	549	INLET	510UL
48	57	0.08	115	P2	TWD	6	007 +0.08	LTE	UTE	WAR		136	INLET	510XB
48	59	0.11	124	P2	TWD	8	008 -0.62	LTE	UTE	WAR		136	INLET	510XB
48	60	0.04	55	P2	TWD	3	007 +0.10	LTE	UTE	WAR		138	INLET	510XB
48	77	0.07	114	P2	TWD	5	007 +0.08	LTE	UTE	WAR	0	577	INLET	510UL
48	98	0.07	154	P2	TWD	6	014 +0.00	LTE	UTE	WAR		50	INLET	510XB
48	107	0.11	139	P2	TWD	9	011 -0.52	LTE	UTE	WAR		50	INLET	510XB
48	109	0.12	139	P2	TWD	9	011 -0.49	LTE	UTE	WAR	5	50	INLET	510XB
48	112	0.15	133	P2	TWD	10	012 -0.54	LTE	UTE	WAR		52	INLET	510XB
48	114	0.15	133	P2	TWD	10	012 -0.52	LTE	UTE	WAR		52	INLET	510XB
		0.20	148	P2	TWD	13	013 -0.47	LTE	UTE	WAR		52	INLET	510XB
		0.14	146	P2	TWD	9	013 +0.26	LTE	UTE	WAR		52	INLET	510XB
		0.38	136	P2	TWD	21	014 -0.51	LTE	UTE	WAR		52	INLET	510XB
		0.58	106	2	VOL		014 -0.54	014	014	WAR		51	INLET	510XP
48	121	0.09	152	P2	TWD	7	013 -0.36	LTE	UTE	WAR	4	50	INLET	510XB
49	3	0.12	123	P2	TWD	8	011 -0.31	LTE	UTE	WAR		22	INLET	510XB
		0.12	110	P2	TWD	8	010 +0.70	LTE	UTE	WAR		22	INLET	510XB
49	4	0.09	141	P2	TWD	7	013 -0.39	LTE	UTE	WAR		24	INLET	510XB
49	5	0.09	141	P2	TWD	6	010 -0.36	LTE	UTE	WAR		22	INLET	510XB
		0.14	152	P2	TWD	9	012 -0.42	LTE	UTE	WAR	6	22	INLET	510XB
49	14	0.08	150	P2	TWD	6	011 +0.24	LTE	UTE	WAR	0	24	INLET	510XB
49	15	0.11	159	P2	TWD	8	011 -0.47	LTE	UTE	WAR	0	22	INLET	510XB
49	17	0.13	148	P2	TWD	9	011 -0.54	LTE	UTE	WAR	0	22	INLET	510XB
49	50	0.06	121	P2	TWD	4	008 +0.05	LTE	UTE	WAR		76	INLET	510XB
49	52	0.14	136	P2	TWD	10	007 +0.08	LTE	UTE	WAR		136	INLET	510XB
49	54	0.05	143	P2	TWD	4	008 +0.00	LTE	UTE	WAR		136	INLET	510XB
49	58	0.06	77	P2	TWD	5	008 +0.05	LTE	UTE	WAR		136	INLET	510XB
49	59	0.06	79	P2	TWD	5	007 +0.03	LTE	UTE	WAR		138	INLET	510XB
49	62	0.07	125	P2	TWD	5	007 -0.65	LTE	UTE	WAR	3	603	INLET	510UL
49	66	0.07	132	P2	TWD	5	007 +0.13	LTE	UTE	WAR		136	INLET	510XB
49	75	0.05	144	P2	TWD	4	006 +0.16	LTE	UTE	WAR		136	INLET	510XB
49	86	0.09	90	P2	TWD	6	008 -0.62	LTE	UTE	WAR	0	577	INLET	510UL
49	106	0.08	128	P2	TWD	6	012 +0.15	LTE	UTE	WAR		52	INLET	510XB
49	107	0.12	127	P2	TWD	9	011 -0.54	LTE	UTE	WAR		50	INLET	510XB
49	113	0.12	115	P2	TWD	9	012 -0.57	LTE	UTE	WAR		50	INLET	510XB
		0.07	149	P2	TWD	6	011 -0.46	LTE	UTE	WAR	5	50	INLET	510XB
49	116	0.15	152	P2	TWD	10	011 -0.44	LTE	UTE	WAR		52	INLET	510XB
		0.10	99	P2	TWD	7	012 -0.49	LTE	UTE	WAR		52	INLET	510XB
49	117	0.14	154	P2	TWD	11	012 -0.49	LTE	UTE	WAR		50	INLET	510XB
		0.08	133	P2	TWD	6	013 +0.26	LTE	UTE	WAR	0	50	INLET	510XB
49	124	0.16	138	P2	TWD	11	013 +0.38	LTE	UTE	WAR		68	INLET	510XB
50	11	0.19	137	P2	TWD	13	011 -0.42	LTE	UTE	WAR		24	INLET	510XB
50	41	0.08	115	P2	TWD	6	010 -0.68	LTE	UTE	WAR	6	549	INLET	510UL
50	51	0.10	45	P2	TWD	7	008 -0.60	LTE	UTE	WAR	5	76	INLET	510XB
50	53	0.09	121	P2	TWD	8	007 -0.62	LTE	UTE	WAR	0	599	INLET	510UL
50	77	0.08	116	P2	TWD	5	008 -0.65	LTE	UTE	WAR	0	577	INLET	510UL
50	110	0.07	143	P2	TWD	5	011 +0.21	LTE	UTE	WAR		52	INLET	510XB
50	112	0.14	138	P2	TWD	9	012 +0.21	LTE	UTE	WAR		52	INLET	510XB
50	115	0.26	148	P2	TWD	18	013 +0.28	LTE	UTE	WAR		50	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.11	145	P2	TWD	8	014	+0.23	LTE	UTE	WAR	6	50	INLET	510XB
50	116	0.13	150	P2	TWD	9	011	-0.44	LTE	UTE	WAR		52	INLET	510XB
		0.35	140	P2	TWD	20	012	-0.51	LTE	UTE	WAR		52	INLET	510XB
		0.67	67	Q1	VOL		012	-0.57	012	012	WAR		51	INLET	510XP
50	121	0.06	157	P2	TWD	5	012	-0.36	LTE	UTE	WAR	4	50	INLET	510XB
51	1	0.09	146	P2	TWD	7	012	+0.31	LTE	UTE	WAR	0	72	INLET	510XB
51	2	0.07	153	P2	TWD	5	011	-0.31	LTE	UTE	WAR	0	24	INLET	510XB
51	7	0.35	142	P2	TWD	20	013	-0.42	LTE	UTE	WAR		22	INLET	510XB
		1.18	130	82	VOL		013	-0.52	013	013	WAR		21	INLET	510XP
51	10	0.09	148	P2	TWD	7	011	-0.42	LTE	UTE	WAR	7	24	INLET	510XB
51	57	0.11	102	P2	TWD	8	008	-0.62	LTE	UTE	WAR	0	597	INLET	510UL
51	61	0.14	97	P2	TWD	10	008	-0.62	LTE	UTE	WAR	0	597	INLET	510UL
51	62	0.15	143	P2	TWD	11	007	-0.57	LTE	UTE	WAR		136	INLET	510XB
51	114	0.15	135	P2	TWD	12	014	-0.54	LTE	UTE	WAR	8	50	INLET	510XB
51	119	0.11	149	P2	TWD	7	012	-0.46	LTE	UTE	WAR	0	52	INLET	510XB
52	43	0.10	134	P2	TWD	7	008	-0.60	LTE	UTE	WAR	6	549	INLET	510UL
52	57	0.09	112	P2	TWD	8	007	-0.65	LTE	UTE	WAR	5	599	INLET	510UL
52	58	0.11	137	P2	TWD	8	008	-0.62	LTE	UTE	WAR	0	597	INLET	510UL
52	59	0.08	75	P2	TWD	6	007	+0.13	LTE	UTE	WAR		136	INLET	510XB
52	60	0.09	157	P2	TWD	7	011	-0.75	LTE	UTE	WAR	0	597	INLET	510UL
52	63	0.07	62	P2	TWD	5	007	+0.08	LTE	UTE	WAR		136	INLET	510XB
52	67	0.06	100	P2	TWD	5	007	+0.10	LTE	UTE	WAR		136	INLET	510XB
52	69	0.07	132	P2	TWD	6	007	+0.10	LTE	UTE	WAR		136	INLET	510XB
52	75	0.04	130	P2	TWD	3	007	+0.03	LTE	UTE	WAR		136	INLET	510XB
52	76	0.06	135	P2	TWD	5	007	+0.08	LTE	UTE	WAR		136	INLET	510XB
52	77	0.11	134	P2	TWD	8	007	-0.65	LTE	UTE	WAR	0	577	INLET	510UL
52	90	0.05	112	P2	TWD	4	008	+0.10	LTE	UTE	WAR		40	INLET	510XB
		0.12	129	P2	TWD	10	008	-0.60	LTE	UTE	WAR	4	40	INLET	510XB
52	92	0.04	141	P2	TWD	4	008	+0.08	LTE	UTE	WAR		40	INLET	510XB
52	112	0.06	159	P2	TWD	5	012	+0.18	LTE	UTE	WAR		50	INLET	510XB
		0.15	127	P2	TWD	11	012	-0.60	LTE	UTE	WAR	6	50	INLET	510XB
		0.08	147	P2	TWD	6	011	-0.49	LTE	UTE	WAR	4	50	INLET	510XB
52	113	0.13	137	P2	TWD	9	010	-0.46	LTE	UTE	WAR		52	INLET	510XB
52	116	0.11	146	P2	TWD	9	012	+0.23	LTE	UTE	WAR		50	INLET	510XB
52	118	0.16	149	P2	TWD	12	012	-0.49	LTE	UTE	WAR		50	INLET	510XB
		0.08	143	P2	TWD	6	013	+0.28	LTE	UTE	WAR		50	INLET	510XB
53	7	0.12	142	P2	TWD	8	012	-0.47	LTE	UTE	WAR	5	24	INLET	510XB
53	10	0.16	146	P2	TWD	11	013	-0.44	LTE	UTE	WAR	3	22	INLET	510XB
		0.11	146	P2	TWD	7	013	+0.23	LTE	UTE	WAR	0	22	INLET	510XB
53	39	0.11	141	P2	TWD	8	010	-0.73	LTE	UTE	WAR	5	549	INLET	510UL
53	45	0.07	141	P2	TWD	5	008	-0.62	LTE	UTE	WAR	0	549	INLET	510UL
53	61	0.05	45	P2	TWD	4	007	+0.08	LTE	UTE	WAR		136	INLET	510XB
53	73	0.05	131	P2	TWD	4	007	+0.03	LTE	UTE	WAR		136	INLET	510XB
53	77	0.11	114	P2	TWD	8	007	-0.64	LTE	UTE	WAR	0	577	INLET	510UL
53	89	0.09	104	P2	TWD	6	007	-0.59	LTE	UTE	WAR	0	577	INLET	510UL
53	109	0.13	136	P2	TWD	9	012	-0.67	LTE	UTE	WAR	7	60	INLET	510XB
53	116	0.08	143	P2	TWD	6	008	-0.51	LTE	UTE	WAR		58	INLET	510XB
53	118	0.15	141	P2	TWD	11	012	-0.49	LTE	UTE	WAR		58	INLET	510XB
53	119	0.21	143	P2	TWD	13	013	+0.28	LTE	UTE	WAR		60	INLET	510XB
53	120	0.21	146	P2	TWD	15	012	-0.46	LTE	UTE	WAR		58	INLET	510XB
54	1	0.06	153	P2	TWD	5	013	+0.36	LTE	UTE	WAR		72	INLET	510XB
54	3	0.14	74	P2	TWD	9	010	+0.72	LTE	UTE	WAR		70	INLET	510XB
54	28	0.09	143	P2	TWD	6	010	+0.08	LTE	UTE	WAR		22	INLET	510XB
54	29	0.11	122	P2	TWD	8	008	-0.59	LTE	UTE	WAR	0	543	INLET	510UL
54	34	0.08	111	P2	TWD	5	008	-0.59	LTE	UTE	WAR		76	INLET	510XB
54	47	0.09	137	P2	TWD	6	011	-0.77	LTE	UTE	WAR		76	INLET	510XB
54	52	0.14	142	P2	TWD	10	011	-0.73	LTE	UTE	WAR	6	549	INLET	510UL
54	54	0.12	136	P2	TWD	9	007	-0.62	LTE	UTE	WAR		136	INLET	510XB
54	60	0.07	73	P2	TWD	5	007	+0.08	LTE	UTE	WAR		136	INLET	510XB
54	70	0.10	124	P2	TWD	7	007	+0.05	LTE	UTE	WAR		136	INLET	510XB
54	71	0.06	129	P2	TWD	5	007	+0.03	LTE	UTE	WAR		138	INLET	510XB
54	110	0.14	139	P2	TWD	9	011	-0.56	LTE	UTE	WAR		60	INLET	510XB
54	115	0.09	159	P2	TWD	7	012	+0.18	LTE	UTE	WAR		58	INLET	510XB
54	120	0.13	148	P2	TWD	9	011	-0.41	LTE	UTE	WAR		60	INLET	510XB
		0.23	138	P2	TWD	14	013	+0.20	LTE	UTE	WAR	0	60	INLET	510XB
54	121	0.11	145	P2	TWD	8	010	+0.21	LTE	UTE	WAR	0	58	INLET	510XB
54	125	0.10	153	P2	TWD	7	013	+0.33	LTE	UTE	WAR		68	INLET	510XB
55	3	0.11	148	P2	TWD	8	013	+0.31	LTE	UTE	WAR	4	24	INLET	510XB
		0.06	159	P2	TWD	4	010	-0.36	LTE	UTE	WAR	0	24	INLET	510XB
55	4	0.09	135	P2	TWD	7	013	+0.29	LTE	UTE	WAR	5	22	INLET	510XB
55	8	0.22	139	P2	TWD	14	011	-0.36	LTE	UTE	WAR		22	INLET	510XB
		0.16	129	P2	TWD	11	012	-0.47	LTE	UTE	WAR		22	INLET	510XB
		0.10	148	P2	TWD	7	012	+0.29	LTE	UTE	WAR		22	INLET	510XB
55	54	0.07	95	P2	TWD	6	007	-0.65	LTE	UTE	WAR		136	INLET	510XB
55	57	0.07	118	P2	TWD	6	008	+0.05	LTE	UTE	WAR		136	INLET	510XB
55	62	0.09	141	P2	TWD	9	007	-0.60	LTE	UTE	WAR	0	599	INLET	510UL
55	67	0.05	41	P2	TWD	4	007	+0.13	LTE	UTE	WAR		136	INLET	510XB
55	71	0.07	130	P2	TWD	5	007	+0.10	LTE	UTE	WAR		136	INLET	510XB
55	73	0.09	138	P2	TWD	7	007	+0.08	LTE	UTE	WAR		136	INLET	510XB
55	75	0.05	103	P2	TWD	4	007	+0.03	LTE	UTE	WAR		136	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.05	98	P2	TWD	4	008 +0.03	LTE	UTE	WAR		136	INLET	510XB
55	111	0.27	138	P2	TWD	17	011 -0.54	LTE	UTE	WAR		136	INLET	510XB
		0.09	90	P2	TWD	7	012 -0.62	LTE	UTE	WAR		136	INLET	510XB
55	117	0.21	151	P2	TWD	15	013 +0.26	LTE	UTE	WAR		58	INLET	510XB
		0.07	149	P2	TWD	6	014 +0.23	LTE	UTE	WAR	3	58	INLET	510XB
		0.20	142	P2	TWD	14	012 -0.57	LTE	UTE	WAR	6	58	INLET	510XB
55	119	0.19	149	P2	TWD	14	011 -0.41	LTE	UTE	WAR		58	INLET	510XB
		0.20	146	P2	TWD	14	012 -0.49	LTE	UTE	WAR	7	58	INLET	510XB
55	120	0.13	143	P2	TWD	9	011 -0.44	LTE	UTE	WAR		60	INLET	510XB
55	121	0.15	150	P2	TWD	11	012 -0.46	LTE	UTE	WAR		58	INLET	510XB
55	124	0.11	151	P2	TWD	8	012 -0.44	LTE	UTE	WAR		66	INLET	510XB
55	125	0.26	142	P2	TWD	16	012 -0.44	LTE	UTE	WAR		68	INLET	510XB
55	126	0.07	145	P2	TWD	5	012 -0.41	LTE	UTE	WAR		68	INLET	510XB
56	3	0.10	137	P2	TWD	7	010 -0.33	LTE	UTE	WAR	5	70	INLET	510XB
56	5	0.08	44	P2	TWD	6	010 +0.68	LTE	UTE	WAR	6	28	INLET	510XB
56	8	0.15	137	P2	TWD	10	011 +0.31	LTE	UTE	WAR		22	INLET	510XB
56	31	0.07	138	P2	TWD	5	008 +0.03	LTE	UTE	WAR		22	INLET	510XB
56	54	0.06	108	P2	TWD	5	007 -0.65	LTE	UTE	WAR		136	INLET	510XB
56	58	0.09	145	P2	TWD	7	008 -0.62	LTE	UTE	WAR		136	INLET	510XB
56	111	0.14	136	P2	TWD	10	011 -0.54	LTE	UTE	WAR	0	58	INLET	510XB
56	120	0.60	131	P2	TWD	28	012 -0.51	LTE	UTE	WAR		60	INLET	510XB
		0.17	144	P2	TWD	11	013 +0.28	LTE	UTE	WAR		60	INLET	510XB
		1.04	104	26	VOL		012 -0.54	012	012	WAR		59	INLET	510XP
56	123	0.07	143	P2	TWD	5	014 -0.41	LTE	UTE	WAR	0	58	INLET	510XB
56	124	0.15	151	P2	TWD	11	012 -0.49	LTE	UTE	WAR		66	INLET	510XB
		0.13	141	P2	TWD	10	012 +0.31	LTE	UTE	WAR		66	INLET	510XB
57	2	0.18	142	P2	TWD	14	012 -0.39	LTE	UTE	WAR		72	INLET	510XB
57	3	0.11	143	P2	TWD	7	010 -0.33	LTE	UTE	WAR	5	70	INLET	510XB
57	4	0.16	146	P2	TWD	11	010 -0.34	LTE	UTE	WAR		28	INLET	510XB
		0.13	72	P2	TWD	9	010 +0.68	LTE	UTE	WAR	7	28	INLET	510XB
57	6	0.09	123	P2	TWD	7	011 -0.36	LTE	UTE	WAR	3	28	INLET	510XB
57	9	0.07	156	P2	TWD	5	009 -0.44	LTE	UTE	WAR		26	INLET	510XB
57	26	0.11	151	P2	TWD	8	007 -0.56	LTE	UTE	WAR	5	543	INLET	510UL
57	48	0.09	92	P2	TWD	6	008 -0.60	LTE	UTE	WAR		76	INLET	510XB
57	49	0.08	153	P2	TWD	5	006 +0.10	LTE	UTE	WAR		76	INLET	510XB
57	54	0.08	120	P2	TWD	6	005 +0.18	LTE	UTE	WAR		136	INLET	510XB
		0.09	124	P2	TWD	7	007 -0.62	LTE	UTE	WAR		136	INLET	510XB
		0.09	140	P2	TWD	7	007 +0.03	LTE	UTE	WAR	5	136	INLET	510XB
57	55	0.08	122	P2	TWD	7	007 -0.63	LTE	UTE	WAR	0	599	INLET	510UL
57	67	0.10	145	P2	TWD	9	007 -0.57	LTE	UTE	WAR	0	599	INLET	510UL
57	72	0.04	145	P2	TWD	3	006 +0.13	LTE	UTE	WAR		136	INLET	510XB
57	73	0.09	117	P2	TWD	8	007 -0.65	LTE	UTE	WAR	3	599	INLET	510UL
57	75	0.04	129	P2	TWD	3	007 +0.08	LTE	UTE	WAR		136	INLET	510XB
57	78	0.06	145	P2	TWD	4	007 +0.08	LTE	UTE	WAR		136	INLET	510XB
57	111	0.16	136	P2	TWD	12	011 -0.57	LTE	UTE	WAR		58	INLET	510XB
57	114	0.05	147	P2	TWD	4	011 +0.18	LTE	UTE	WAR		60	INLET	510XB
57	115	0.08	140	P2	TWD	7	008 +0.18	LTE	UTE	WAR		58	INLET	510XB
57	117	0.19	143	P2	TWD	14	011 -0.46	LTE	UTE	WAR		58	INLET	510XB
57	118	0.33	137	P2	TWD	19	012 -0.54	LTE	UTE	WAR		60	INLET	510XB
57	119	0.17	133	P2	TWD	12	012 -0.54	LTE	UTE	WAR		136	INLET	510XB
57	120	0.14	144	P2	TWD	9	012 -0.54	LTE	UTE	WAR		60	INLET	510XB
		0.16	136	P2	TWD	11	012 +0.23	LTE	UTE	WAR		60	INLET	510XB
		0.12	151	P2	TWD	8	011 -0.44	LTE	UTE	WAR		60	INLET	510XB
57	123	0.13	146	P2	TWD	10	013 +0.26	LTE	UTE	WAR		58	INLET	510XB
57	125	0.08	153	P2	TWD	6	012 -0.41	LTE	UTE	WAR		66	INLET	510XB
58	2	0.10	150	P2	TWD	7	013 -0.31	LTE	UTE	WAR		70	INLET	510XB
58	3	0.08	147	P2	TWD	5	009 -0.36	LTE	UTE	WAR	3	70	INLET	510XB
		0.13	139	P2	TWD	9	010 -0.33	LTE	UTE	WAR	4	70	INLET	510XB
58	6	0.11	143	P2	TWD	8	011 -0.34	LTE	UTE	WAR	4	26	INLET	510XB
58	8	0.09	123	P2	TWD	7	009 -0.42	LTE	UTE	WAR		26	INLET	510XB
		0.11	147	P2	TWD	8	012 +0.31	LTE	UTE	WAR		26	INLET	510XB
58	9	0.16	131	P2	TWD	11	012 +0.26	LTE	UTE	WAR		28	INLET	510XB
58	10	0.05	145	P2	TWD	4	009 -0.47	LTE	UTE	WAR		26	INLET	510XB
		0.14	151	P2	TWD	10	011 +0.29	LTE	UTE	WAR	0	26	INLET	510XB
58	16	0.06	152	P2	TWD	5	011 +0.21	LTE	UTE	WAR	0	26	INLET	510XB
58	66	0.05	82	P2	TWD	4	008 +0.08	LTE	UTE	WAR		136	INLET	510XB
58	77	0.06	147	P2	TWD	5	007 +0.05	LTE	UTE	WAR		136	INLET	510XB
58	79	0.11	117	P2	TWD	8	007 -0.03	LTE	UTE	WAR		136	INLET	510XB
58	106	0.11	123	P2	TWD	8	011 -0.60	LTE	UTE	WAR		58	INLET	510XB
58	115	0.08	142	P2	TWD	6	012 +0.13	LTE	UTE	WAR		60	INLET	510XB
58	117	0.10	122	P2	TWD	7	012 -0.57	LTE	UTE	WAR		60	INLET	510XB
58	120	0.07	143	P2	TWD	6	012 +0.26	LTE	UTE	WAR		58	INLET	510XB
		0.12	153	P2	TWD	9	011 -0.44	LTE	UTE	WAR	4	58	INLET	510XB
58	121	0.14	143	P2	TWD	9	012 +0.15	LTE	UTE	WAR		60	INLET	510XB
58	122	0.13	143	P2	TWD	10	012 -0.52	LTE	UTE	WAR		58	INLET	510XB
58	123	0.09	130	P2	TWD	6	010 +0.13	LTE	UTE	WAR	0	60	INLET	510XB
		0.13	155	P2	TWD	9	012 -0.49	LTE	UTE	WAR	4	60	INLET	510XB
58	128	0.11	83	P2	TWD	8	010 +0.72	LTE	UTE	WAR		68	INLET	510XB
59	3	0.11	106	P2	TWD	9	010 -0.36	LTE	UTE	WAR	0	72	INLET	510XB
59	4	0.26	145	P2	TWD	17	013 +0.28	LTE	UTE	WAR		28	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.12	147	P2	TWD	12	010	+0.60	LTE	UTE	WAR	10	28	INLET	510XB
59	6	0.19	146	P2	TWD	13	011	-0.34	LTE	UTE	WAR		28	INLET	510XB
59	86	0.06	129	P2	TWD	5	008	+0.13	LTE	UTE	WAR		136	INLET	510XB
59	104	0.12	101	P2	TWD	9	011	-0.62	LTE	UTE	WAR		58	INLET	510XB
59	121	0.07	143	P2	TWD	5	011	-0.44	LTE	UTE	WAR	0	58	INLET	510XB
60	2	0.13	143	P2	TWD	10	010	-0.39	LTE	UTE	WAR		72	INLET	510XB
		0.13	121	P2	TWD	10	010	+0.72	LTE	UTE	WAR		72	INLET	510XB
60	3	0.25	137	P2	TWD	18	010	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.09	144	P2	TWD	7	013	-0.36	LTE	UTE	WAR		72	INLET	510XB
60	4	0.72	116	2	VOL		013	-0.47	013	013	WAR		69	INLET	510XP
		0.34	138	P2	TWD	19	010	-0.33	LTE	UTE	WAR		70	INLET	510XB
		0.26	135	P2	TWD	16	011	+0.36	LTE	UTE	WAR		70	INLET	510XB
		0.35	138	P2	TWD	20	013	-0.36	LTE	UTE	WAR		70	INLET	510XB
		0.12	151	P2	TWD	8	012	-0.39	LTE	UTE	WAR	0	70	INLET	510XB
60	42	0.07	145	P2	TWD	5	014	-0.15	LTE	UTE	WAR		76	INLET	510XB
60	55	0.10	135	P2	TWD	7	007	+0.10	LTE	UTE	WAR		136	INLET	510XB
60	73	0.09	116	P2	TWD	7	007	-0.62	LTE	UTE	WAR	0	597	INLET	510UL
60	111	0.16	130	P2	TWD	11	011	-0.59	LTE	UTE	WAR		60	INLET	510XB
60	120	0.15	150	P2	TWD	11	011	-0.46	LTE	UTE	WAR	4	136	INLET	510XB
60	122	0.23	148	P2	TWD	15	011	-0.41	LTE	UTE	WAR		136	INLET	510XB
		0.08	152	P2	TWD	6	012	+0.26	LTE	UTE	WAR	0	136	INLET	510XB
60	123	0.34	137	P2	TWD	19	012	-0.49	LTE	UTE	WAR		60	INLET	510XB
60	124	0.17	142	P2	TWD	13	013	+0.31	LTE	UTE	WAR		58	INLET	510XB
60	126	0.13	149	P2	TWD	9	012	+0.31	LTE	UTE	WAR		68	INLET	510XB
		0.11	142	P2	TWD	8	013	+0.31	LTE	UTE	WAR		68	INLET	510XB
60	128	0.24	146	P2	TWD	15	013	+0.36	LTE	UTE	WAR		68	INLET	510XB
60	129	0.07	142	P2	TWD	5	013	+0.38	LTE	UTE	WAR		68	INLET	510XB
61	1	0.10	140	P2	TWD	8	009	-0.33	LTE	UTE	WAR		72	INLET	510XB
61	2	0.26	147	P2	TWD	18	010	-0.28	LTE	UTE	WAR		72	INLET	510XB
61	3	0.17	143	P2	TWD	13	010	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.15	109	P2	TWD	12	010	+0.72	LTE	UTE	WAR		72	INLET	510XB
61	4	0.93	127	94	VOL		010	-0.54	010	010	WAR		69	INLET	510XP
		0.37	144	P2	TWD	20	010	-0.33	LTE	UTE	WAR		70	INLET	510XB
		0.11	128	P2	TWD	7	011	-0.33	LTE	UTE	WAR	3	70	INLET	510XB
61	6	0.11	149	P2	TWD	8	014	-0.44	LTE	UTE	WAR	0	26	INLET	510XB
61	13	0.07	92	P2	TWD	6	009	-0.49	LTE	UTE	WAR		28	INLET	510XB
61	52	0.06	153	P2	TWD	4	008	+0.03	LTE	UTE	WAR		76	INLET	510XB
61	53	0.12	119	P2	TWD	8	008	-0.65	LTE	UTE	WAR		76	INLET	510XB
61	101	0.09	152	P2	TWD	7	013	+0.03	LTE	UTE	WAR		58	INLET	510XB
61	111	0.11	142	P2	TWD	8	011	-0.59	LTE	UTE	WAR		60	INLET	510XB
61	118	0.07	155	P2	TWD	6	011	+0.23	LTE	UTE	WAR	6	58	INLET	510XB
61	121	0.14	152	P2	TWD	9	012	+0.26	LTE	UTE	WAR		60	INLET	510XB
61	123	0.20	139	P2	TWD	12	012	-0.49	LTE	UTE	WAR		60	INLET	510XB
		0.11	154	P2	TWD	7	012	+0.31	LTE	UTE	WAR		60	INLET	510XB
61	124	0.09	154	P2	TWD	7	013	+0.28	LTE	UTE	WAR	3	58	INLET	510XB
61	125	0.07	157	P2	TWD	5	013	-0.41	LTE	UTE	WAR	0	58	INLET	510XB
62	1	0.08	142	P2	TWD	7	010	-0.23	LTE	UTE	WAR	0	72	INLET	510XB
62	2	0.23	139	P2	TWD	14	010	-0.33	LTE	UTE	WAR		70	INLET	510XB
		0.10	132	P2	TWD	7	010	+0.72	LTE	UTE	WAR		70	INLET	510XB
62	3	0.34	135	P2	TWD	22	010	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.20	142	P2	TWD	15	010	+0.21	LTE	UTE	WAR	5	72	INLET	510XB
		0.08	154	P2	TWD	6	013	-0.36	LTE	UTE	WAR	0	72	INLET	510XB
		1.25	118	50	VOL		010	-0.36	010	010	WAR		71	INLET	510XP
62	4	0.13	151	P2	TWD	9	011	+0.36	LTE	UTE	WAR		70	INLET	510XB
		0.22	148	P2	TWD	13	010	-0.36	LTE	UTE	WAR	0	70	INLET	510XB
		0.12	146	P2	TWD	8	012	-0.41	LTE	UTE	WAR	4	70	INLET	510XB
62	8	0.11	156	P2	TWD	8	014	-0.49	LTE	UTE	WAR		28	INLET	510XB
62	31	0.04	153	P2	TWD	3	008	+0.11	LTE	UTE	WAR		28	INLET	510XB
62	32	0.05	129	P2	TWD	4	008	+0.05	LTE	UTE	WAR		26	INLET	510XB
62	41	0.08	118	P2	TWD	6	008	-0.70	LTE	UTE	WAR	0	549	INLET	510UL
62	108	0.07	147	P2	TWD	5	014	-0.03	LTE	UTE	WAR	4	58	INLET	510XB
62	118	0.12	111	P2	TWD	9	012	-0.59	LTE	UTE	WAR		58	INLET	510XB
62	123	0.23	141	P2	TWD	14	012	-0.51	LTE	UTE	WAR		60	INLET	510XB
62	124	0.08	154	P2	TWD	6	011	+0.28	LTE	UTE	WAR	0	58	INLET	510XB
62	127	0.18	154	P2	TWD	13	013	+0.36	LTE	UTE	WAR		66	INLET	510XB
63	1	0.20	139	P2	TWD	15	012	-0.36	LTE	UTE	WAR	0	72	INLET	510XB
63	2	0.38	139	P2	TWD	23	010	-0.33	LTE	UTE	WAR		110	INLET	510XB
		0.17	107	P2	TWD	12	010	+0.71	LTE	UTE	WAR		110	INLET	510XB
		0.11	138	P2	TWD	8	010	+0.10	LTE	UTE	WAR	3	110	INLET	510XB
		1.22	118	50	VOL		010	-0.31	010	010	WAR		109	INLET	510XP
63	3	0.37	139	P2	TWD	24	010	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.09	142	P2	TWD	7	013	-0.39	LTE	UTE	WAR		72	INLET	510XB
		1.25	118	50	VOL		010	-0.46	010	010	WAR		71	INLET	510XP
63	4	0.91	120	38	VOL		010	-0.44	010	010	WAR		69	INLET	510XP
		0.38	140	P2	TWD	21	010	-0.33	LTE	UTE	WAR		70	INLET	510XB
		0.12	131	P2	TWD	8	010	+0.26	LTE	UTE	WAR	0	70	INLET	510XB
		0.19	145	P2	TWD	12	012	-0.41	LTE	UTE	WAR	7	70	INLET	510XB
63	5	0.13	142	P2	TWD	10	010	-0.36	LTE	UTE	WAR	6	28	INLET	510XB
63	7	0.16	149	P2	TWD	11	014	+0.26	LTE	UTE	WAR		28	INLET	510XB
63	8	0.10	150	P2	TWD	8	010	+0.65	LTE	UTE	WAR		26	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
63	11	0.07	147	P2	TWD 6	009	-0.49	LTE	UTE	WAR		28	INLET	510XB
63	14	0.14	152	P2	TWD 10	011	-0.47	LTE	UTE	WAR	4	26	INLET	510XB
63	15	0.09	147	P2	TWD 7	012	+0.16	LTE	UTE	WAR	3	28	INLET	510XB
63	55	0.06	137	P2	TWD 4	008	+0.05	LTE	UTE	WAR		136	INLET	510XB
63	56	0.06	126	P2	TWD 5	008	-0.03	LTE	UTE	WAR		136	INLET	510XB
63	74	0.13	124	P2	TWD 10	007	-0.64	LTE	UTE	WAR	3	597	INLET	510UL
63	117	0.08	156	P2	TWD 6	012	+0.18	LTE	UTE	WAR	3	58	INLET	510XB
63	119	0.15	126	P2	TWD 11	012	-0.57	LTE	UTE	WAR		58	INLET	510XB
63	121	0.07	151	P2	TWD 6	011	+0.26	LTE	UTE	WAR		58	INLET	510XB
63	122	0.14	151	P2	TWD 10	011	-0.46	LTE	UTE	WAR	4	60	INLET	510XB
		0.28	135	P2	TWD 17	012	+0.23	LTE	UTE	WAR		60	INLET	510XB
		0.12	135	P2	TWD 8	012	-0.57	LTE	UTE	WAR	4	60	INLET	510XB
63	123	0.08	151	P2	TWD 7	012	+0.28	LTE	UTE	WAR		58	INLET	510XB
63	124	0.19	145	P2	TWD 12	012	-0.51	LTE	UTE	WAR	5	60	INLET	510XB
63	125	0.14	145	P2	TWD 11	012	-0.52	LTE	UTE	WAR		58	INLET	510XB
		0.12	149	P2	TWD 10	013	-0.36	LTE	UTE	WAR		58	INLET	510XB
		0.07	160	P2	TWD 6	012	+0.31	LTE	UTE	WAR	3	58	INLET	510XB
63	126	0.09	153	P2	TWD 7	012	+0.31	LTE	UTE	WAR		66	INLET	510XB
63	130	0.07	147	P2	TWD 5	012	-0.39	LTE	UTE	WAR		68	INLET	510XB
		0.22	139	P2	TWD 14	013	+0.38	LTE	UTE	WAR		68	INLET	510XB
64	1	0.37	139	P2	TWD 23	012	+0.42	LTE	UTE	WAR		72	INLET	510XB
		1.41	105	58	VOL	012	+0.31	012	012	WAR		71	INLET	510XP
64	2	0.46	137	P2	TWD 27	010	-0.28	LTE	UTE	WAR		72	INLET	510XB
		0.14	139	P2	TWD 11	011	-0.31	LTE	UTE	WAR	7	72	INLET	510XB
		1.58	115	50	VOL	010	-0.39	010	010	WAR		71	INLET	510XP
64	3	0.16	143	P2	TWD 11	010	-0.33	LTE	UTE	WAR		70	INLET	510XB
		0.13	72	P2	TWD 8	010	+0.69	LTE	UTE	WAR		70	INLET	510XB
		0.13	150	P2	TWD 8	012	-0.41	LTE	UTE	WAR	1	70	INLET	510XB
64	4	0.29	146	P2	TWD 19	010	-0.33	LTE	UTE	WAR		72	INLET	510XB
64	5	0.25	147	P2	TWD 15	010	-0.36	LTE	UTE	WAR		70	INLET	510XB
		0.13	118	P2	TWD 8	010	+0.72	LTE	UTE	WAR		70	INLET	510XB
		0.13	149	P2	TWD 8	012	-0.44	LTE	UTE	WAR		70	INLET	510XB
		0.18	151	P2	TWD 12	012	+0.33	LTE	UTE	WAR		70	INLET	510XB
64	6	0.12	151	P2	TWD 9	012	-0.42	LTE	UTE	WAR	7	26	INLET	510XB
		0.09	152	P2	TWD 7	011	+0.34	LTE	UTE	WAR	0	26	INLET	510XB
64	7	0.10	39	P2	TWD 7	010	+0.69	LTE	UTE	WAR		28	INLET	510XB
64	10	0.14	148	P2	TWD 10	010	+0.68	LTE	UTE	WAR		26	INLET	510XB
64	14	0.08	151	P2	TWD 6	012	+0.18	LTE	UTE	WAR		26	INLET	510XB
64	31	0.06	139	P2	TWD 4	008	+0.13	LTE	UTE	WAR		26	INLET	510XB
64	38	0.06	99	P2	TWD 5	008	+0.08	LTE	UTE	WAR		4	INLET	510XB
64	52	0.07	107	P2	TWD 5	008	+0.03	LTE	UTE	WAR		2	INLET	510XB
64	71	0.08	128	P2	TWD 7	007	-0.62	LTE	UTE	WAR	0	599	INLET	510UL
64	79	0.05	137	P2	TWD 4	007	+0.10	LTE	UTE	WAR		136	INLET	510XB
64	113	0.16	136	P2	TWD 12	012	-0.70	LTE	UTE	WAR		58	INLET	510XB
64	118	0.18	150	P2	TWD 11	013	-0.52	LTE	UTE	WAR		60	INLET	510XB
64	119	0.06	148	P2	TWD 5	007	-0.44	LTE	UTE	WAR	4	58	INLET	510XB
64	124	0.27	137	P2	TWD 16	012	-0.51	LTE	UTE	WAR	0	60	INLET	510XB
64	125	0.10	150	P2	TWD 8	011	-0.41	LTE	UTE	WAR		58	INLET	510XB
		0.15	149	P2	TWD 12	012	-0.54	LTE	UTE	WAR		58	INLET	510XB
		0.39	145	P2	TWD 23	013	-0.39	LTE	UTE	WAR		58	INLET	510XB
		0.06	151	P2	TWD 5	007	-0.36	LTE	UTE	WAR	4	58	INLET	510XB
		2.05	123	42	VOL	013	-0.49	013	013	WAR		57	INLET	510XP
64	126	0.08	148	P2	TWD 6	008	+0.31	LTE	UTE	WAR		66	INLET	510XB
		0.15	143	P2	TWD 11	013	-0.39	LTE	UTE	WAR		66	INLET	510XB
64	128	1.09	102	74	VOL	013	+0.13	013	013	WAR		65	INLET	510XP
		0.16	141	P2	TWD 12	012	-0.44	LTE	UTE	WAR		66	INLET	510XB
		0.40	140	P2	TWD 24	013	+0.33	LTE	UTE	WAR		66	INLET	510XB
65	1	0.16	140	P2	TWD 12	011	-0.28	LTE	UTE	WAR		72	INLET	510XB
65	3	0.10	144	P2	TWD 8	011	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.29	142	P2	TWD 19	012	+0.39	LTE	UTE	WAR		72	INLET	510XB
65	4	1.16	115	38	VOL	010	-0.46	010	010	WAR		69	INLET	510XP
		0.52	138	P2	TWD 26	010	-0.36	LTE	UTE	WAR		70	INLET	510XB
65	5	0.25	144	P2	TWD 17	010	-0.36	LTE	UTE	WAR		28	INLET	510XB
65	6	0.09	94	P2	TWD 7	010	+0.70	LTE	UTE	WAR		26	INLET	510XB
65	7	0.28	142	P2	TWD 18	013	+0.28	LTE	UTE	WAR		28	INLET	510XB
65	9	0.13	151	P2	TWD 10	012	-0.55	LTE	UTE	WAR	3	28	INLET	510XB
65	10	0.15	155	P2	TWD 10	010	+0.65	LTE	UTE	WAR		26	INLET	510XB
65	16	0.13	144	P2	TWD 9	008	+0.21	LTE	UTE	WAR		26	INLET	510XB
65	37	0.06	59	P2	TWD 5	008	+0.08	LTE	UTE	WAR		4	INLET	510XB
65	39	0.04	133	P2	TWD 3	008	+0.10	LTE	UTE	WAR		4	INLET	510XB
65	47	0.05	141	P2	TWD 4	008	+0.08	LTE	UTE	WAR		4	INLET	510XB
65	55	0.11	136	P2	TWD 10	007	-0.65	LTE	UTE	WAR	0	599	INLET	510UL
65	74	0.12	118	P2	TWD 9	007	-0.62	LTE	UTE	WAR	0	597	INLET	510UL
65	87	0.05	142	P2	TWD 4	007	+0.10	LTE	UTE	WAR		136	INLET	510XB
65	114	0.15	131	P2	TWD 12	012	-0.67	LTE	UTE	WAR		58	INLET	510XB
65	119	0.28	134	P2	TWD 17	012	-0.59	LTE	UTE	WAR		60	INLET	510XB
		0.17	144	P2	TWD 11	013	+0.06	LTE	UTE	WAR		60	INLET	510XB
65	122	0.16	153	P2	TWD 12	012	+0.26	LTE	UTE	WAR		58	INLET	510XB
		0.06	154	P2	TWD 5	008	-0.43	LTE	UTE	WAR	3	58	INLET	510XB
65	123	0.26	141	P2	TWD 16	013	-0.41	LTE	UTE	WAR	4	60	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
65	128	0.17	143	P2	TWD	13	012	-0.41	LTE	UTE	WAR		66	INLET	510XB
66	3	0.09	66	P2	TWD	6	010	+0.75	LTE	UTE	WAR		70	INLET	510XB
		0.20	148	P2	TWD	13	011	-0.28	LTE	UTE	WAR	5	70	INLET	510XB
66	4	0.09	150	P2	TWD	8	011	+0.34	LTE	UTE	WAR	0	72	INLET	510XB
66	5	0.12	76	P2	TWD	8	010	+0.67	LTE	UTE	WAR		70	INLET	510XB
66	6	0.28	145	P2	TWD	18	010	-0.42	LTE	UTE	WAR		26	INLET	510XB
		0.17	145	P2	TWD	12	013	+0.28	LTE	UTE	WAR		26	INLET	510XB
		0.15	123	P2	TWD	10	010	+0.70	LTE	UTE	WAR		26	INLET	510XB
66	7	0.18	148	P2	TWD	13	010	-0.42	LTE	UTE	WAR		28	INLET	510XB
66	10	0.08	151	P2	TWD	6	011	-0.42	LTE	UTE	WAR	0	26	INLET	510XB
66	13	0.22	139	P2	TWD	15	014	-0.54	LTE	UTE	WAR		28	INLET	510XB
		0.09	153	P2	TWD	7	010	+0.55	LTE	UTE	WAR		28	INLET	510XB
66	53	0.05	115	P2	TWD	4	010	-0.05	LTE	UTE	WAR		4	INLET	510XB
66	55	0.04	135	P2	TWD	3	008	+0.10	LTE	UTE	WAR		4	INLET	510XB
66	116	0.08	112	P2	TWD	6	012	-0.64	LTE	UTE	WAR		60	INLET	510XB
66	119	0.09	148	P2	TWD	7	007	-0.44	LTE	UTE	WAR		58	INLET	510XB
		0.11	137	P2	TWD	9	012	-0.57	LTE	UTE	WAR	0	58	INLET	510XB
		0.10	153	P2	TWD	8	012	+0.16	LTE	UTE	WAR		58	INLET	510XB
66	120	0.06	108	P2	TWD	4	007	-0.41	LTE	UTE	WAR		60	INLET	510XB
66	123	0.11	149	P2	TWD	9	011	-0.44	LTE	UTE	WAR		58	INLET	510XB
		0.26	140	P2	TWD	18	012	-0.54	LTE	UTE	WAR		58	INLET	510XB
		0.24	148	P2	TWD	16	013	+0.28	LTE	UTE	WAR		58	INLET	510XB
66	124	0.17	140	P2	TWD	11	013	+0.28	LTE	UTE	WAR		60	INLET	510XB
66	131	0.28	145	P2	TWD	17	013	+0.43	LTE	UTE	WAR		68	INLET	510XB
		0.08	150	P2	TWD	6	011	+0.39	LTE	UTE	WAR	3	68	INLET	510XB
		0.08	124	P2	TWD	6	011	-0.26	LTE	UTE	WAR		68	INLET	510XB
67	1	0.12	137	P2	TWD	10	010	-0.28	LTE	UTE	WAR	0	72	INLET	510XB
67	2	0.14	146	P2	TWD	9	011	-0.28	LTE	UTE	WAR		70	INLET	510XB
		0.08	149	P2	TWD	5	013	+0.36	LTE	UTE	WAR	0	70	INLET	510XB
67	4	0.10	96	P2	TWD	7	010	+0.69	LTE	UTE	WAR		70	INLET	510XB
67	6	0.18	145	P2	TWD	12	010	-0.42	LTE	UTE	WAR	0	26	INLET	510XB
67	7	0.17	145	P2	TWD	12	013	-0.42	LTE	UTE	WAR		28	INLET	510XB
67	11	0.12	142	P2	TWD	9	012	+0.24	LTE	UTE	WAR		28	INLET	510XB
67	13	0.07	151	P2	TWD	6	009	-0.52	LTE	UTE	WAR	3	28	INLET	510XB
67	18	0.09	130	P2	TWD	7	010	-0.57	LTE	UTE	WAR	2	26	INLET	510XB
67	19	0.03	157	P2	TWD	3	012	+0.14	LTE	UTE	WAR		26	INLET	510XB
67	52	0.05	153	P2	TWD	4	006	+0.18	LTE	UTE	WAR		2	INLET	510XB
67	110	0.10	142	P2	TWD	8	011	-0.62	LTE	UTE	WAR		58	INLET	510XB
67	113	0.05	152	P2	TWD	3	008	+0.18	LTE	UTE	WAR		60	INLET	510XB
67	117	0.06	139	P2	TWD	5	008	-0.49	LTE	UTE	WAR	0	58	INLET	510XB
		0.10	127	P2	TWD	8	011	-0.52	LTE	UTE	WAR	0	58	INLET	510XB
67	120	0.18	135	P2	TWD	12	012	+0.18	LTE	UTE	WAR		60	INLET	510XB
67	122	0.15	139	P2	TWD	10	012	+0.26	LTE	UTE	WAR		60	INLET	510XB
		0.14	141	P2	TWD	9	012	-0.54	LTE	UTE	WAR	5	60	INLET	510XB
67	123	0.21	142	P2	TWD	15	012	-0.54	LTE	UTE	WAR		58	INLET	510XB
67	125	0.12	148	P2	TWD	9	013	+0.31	LTE	UTE	WAR	0	58	INLET	510XB
67	126	0.19	142	P2	TWD	14	012	-0.49	LTE	UTE	WAR		66	INLET	510XB
68	1	0.14	138	P2	TWD	11	013	-0.29	LTE	UTE	WAR		72	INLET	510XB
		0.09	146	P2	TWD	8	011	-0.28	LTE	UTE	WAR	4	72	INLET	510XB
68	2	0.19	139	P2	TWD	14	011	-0.31	LTE	UTE	WAR		72	INLET	510XB
68	4	0.06	136	P2	TWD	5	013	-0.39	LTE	UTE	WAR		72	INLET	510XB
68	7	0.64	135	P2	TWD	31	010	-0.42	LTE	UTE	WAR		26	INLET	510XB
		1.55	112	154	VOL		010	-0.50	010	010	WAR		25	INLET	510XP
68	9	0.10	137	P2	TWD	7	010	-0.47	LTE	UTE	WAR	3	26	INLET	510XB
68	10	0.20	145	P2	TWD	14	013	-0.47	LTE	UTE	WAR		28	INLET	510XB
		0.14	137	P2	TWD	10	013	+0.26	LTE	UTE	WAR		28	INLET	510XB
68	11	0.15	145	P2	TWD	11	012	-0.52	LTE	UTE	WAR	5	26	INLET	510XB
68	21	0.04	139	P2	TWD	3	012	+0.10	LTE	UTE	WAR		26	INLET	510XB
68	122	0.15	154	P2	TWD	12	012	+0.26	LTE	UTE	WAR		58	INLET	510XB
		0.17	122	P2	TWD	13	012	-0.57	LTE	UTE	WAR	0	58	INLET	510XB
68	129	0.11	139	P2	TWD	7	013	-0.31	LTE	UTE	WAR	0	68	INLET	510XB
68	131	0.18	130	P2	TWD	12	013	+0.41	LTE	UTE	WAR		68	INLET	510XB
69	1	0.08	144	P2	TWD	7	002	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.07	134	P2	TWD	6	003	-0.26	LTE	UTE	WAR		72	INLET	510XB
69	2	0.11	134	P2	TWD	9	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.25	138	P2	TWD	18	010	-0.28	LTE	UTE	WAR		72	INLET	510XB
69	3	0.09	146	P2	TWD	6	011	-0.31	LTE	UTE	WAR	3	70	INLET	510XB
69	5	0.13	114	P2	TWD	9	010	+0.70	LTE	UTE	WAR		70	INLET	510XB
		0.07	152	P2	TWD	5	012	+0.28	LTE	UTE	WAR	3	70	INLET	510XB
69	7	0.10	130	P2	TWD	8	010	+0.68	LTE	UTE	WAR		26	INLET	510XB
		0.07	151	P2	TWD	6	012	+0.31	LTE	UTE	WAR	4	26	INLET	510XB
69	22	0.06	143	P2	TWD	5	011	+0.08	LTE	UTE	WAR		26	INLET	510XB
69	91	0.07	121	P2	TWD	5	007	+0.13	LTE	UTE	WAR		136	INLET	510XB
69	113	0.09	141	P2	TWD	7	012	-0.73	LTE	UTE	WAR		58	INLET	510XB
		0.08	150	P2	TWD	6	012	+0.08	LTE	UTE	WAR		58	INLET	510XB
		0.13	139	P2	TWD	10	013	-0.60	LTE	UTE	WAR		58	INLET	510XB
		0.12	145	P2	TWD	9	013	+0.13	LTE	UTE	WAR		58	INLET	510XB
		0.19	137	P2	TWD	14	014	-0.64	LTE	UTE	WAR		58	INLET	510XB
69	115	0.05	157	P2	TWD	4	012	+0.13	LTE	UTE	WAR		58	INLET	510XB
69	116	0.20	142	P2	TWD	13	012	-0.67	LTE	UTE	WAR		60	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.09	142	P2	TWD	6	012	+0.13	LTE	UTE	WAR		60	INLET	510XB
		0.09	144	P2	TWD	7	013	+0.13	LTE	UTE	WAR	4	60	INLET	510XB
69	121	0.11	145	P2	TWD	9	013	+0.21	LTE	UTE	WAR	0	58	INLET	510XB
69	122	0.12	159	P2	TWD	8	012	+0.18	LTE	UTE	WAR		60	INLET	510XB
		0.18	110	P2	TWD	11	012	-0.59	LTE	UTE	WAR	6	60	INLET	510XB
69	123	0.13	153	P2	TWD	10	013	+0.26	LTE	UTE	WAR		58	INLET	510XB
69	127	0.14	146	P2	TWD	10	012	-0.49	LTE	UTE	WAR		66	INLET	510XB
		0.05	146	P2	TWD	4	011	-0.36	LTE	UTE	WAR		66	INLET	510XB
69	130	0.22	142	P2	TWD	14	013	-0.31	LTE	UTE	WAR		68	INLET	510XB
69	131	0.23	146	P2	TWD	16	013	+0.41	LTE	UTE	WAR		66	INLET	510XB
70	1	0.11	140	P2	TWD	9	001	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.18	128	P2	TWD	14	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.11	138	P2	TWD	9	002	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.13	140	P2	TWD	10	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.16	129	P2	TWD	12	003	+0.46	LTE	UTE	WAR		72	INLET	510XB
70	2	0.18	145	P2	TWD	13	010	-0.28	LTE	UTE	WAR		72	INLET	510XB
70	3	0.17	143	P2	TWD	11	011	-0.33	LTE	UTE	WAR		70	INLET	510XB
		0.16	144	P2	TWD	11	012	+0.36	LTE	UTE	WAR	5	70	INLET	510XB
70	6	0.23	142	P2	TWD	16	013	+0.31	LTE	UTE	WAR		28	INLET	510XB
70	13	0.11	138	P2	TWD	8	010	-0.52	LTE	UTE	WAR	6	26	INLET	510XB
70	14	0.09	139	P2	TWD	7	006	-0.39	LTE	UTE	WAR		28	INLET	510XB
		0.08	107	P2	TWD	6	009	-0.52	LTE	UTE	WAR		28	INLET	510XB
70	16	0.09	153	P2	TWD	7	009	-0.52	LTE	UTE	WAR		28	INLET	510XB
70	17	0.07	127	P2	TWD	5	009	-0.55	LTE	UTE	WAR	5	26	INLET	510XB
70	92	0.06	129	P2	TWD	4	007	+0.08	LTE	UTE	WAR		136	INLET	510XB
70	112	0.09	145	P2	TWD	7	013	-0.65	LTE	UTE	WAR	3	583	INLET	510UL
70	113	0.11	142	P2	TWD	9	014	-0.64	LTE	UTE	WAR		58	INLET	510XB
70	114	0.12	139	P2	TWD	10	011	-0.59	LTE	UTE	WAR	4	58	INLET	510XB
		0.05	152	P2	TWD	4	011	+0.08	LTE	UTE	WAR	0	58	INLET	510XB
70	116	0.16	133	P2	TWD	12	012	-0.67	LTE	UTE	WAR		58	INLET	510XB
70	117	0.21	124	P2	TWD	13	012	-0.62	LTE	UTE	WAR		60	INLET	510XB
		0.09	145	P2	TWD	7	013	-0.52	LTE	UTE	WAR		60	INLET	510XB
70	119	0.08	141	P2	TWD	6	007	-0.39	LTE	UTE	WAR		60	INLET	510XB
70	124	0.17	140	P2	TWD	13	012	-0.52	LTE	UTE	WAR		58	INLET	510XB
		0.06	132	P2	TWD	5	007	-0.36	LTE	UTE	WAR	0	58	INLET	510XB
70	125	0.13	150	P2	TWD	9	013	-0.39	LTE	UTE	WAR	3	60	INLET	510XB
70	127	0.14	141	P2	TWD	9	013	+0.36	LTE	UTE	WAR		68	INLET	510XB
		0.12	127	P2	TWD	8	012	-0.49	LTE	UTE	WAR	0	68	INLET	510XB
70	128	0.16	150	P2	TWD	12	012	-0.46	LTE	UTE	WAR		66	INLET	510XB
70	131	0.07	126	P2	TWD	5	003	-0.28	LTE	UTE	WAR		68	INLET	510XB
		0.13	138	P2	TWD	9	013	-0.26	LTE	UTE	WAR		68	INLET	510XB
71	1	0.27	135	P2	TWD	19	002	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.16	133	P2	TWD	12	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
71	2	0.11	131	P2	TWD	9	001	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.19	144	P2	TWD	14	002	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.14	151	P2	TWD	11	004	+0.39	LTE	UTE	WAR		72	INLET	510XB
		0.09	147	P2	TWD	7	005	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.11	144	P2	TWD	9	003	+0.46	LTE	UTE	WAR	4	72	INLET	510XB
71	3	0.13	137	P2	TWD	8	002	-0.23	LTE	UTE	WAR		70	INLET	510XB
		0.11	142	P2	TWD	7	003	+0.46	LTE	UTE	WAR		70	INLET	510XB
		0.19	141	P2	TWD	12	011	-0.31	LTE	UTE	WAR		70	INLET	510XB
71	4	0.11	55	P2	TWD	9	010	+0.67	LTE	UTE	WAR		72	INLET	510XB
		0.09	122	P2	TWD	8	012	+0.36	LTE	UTE	WAR	6	72	INLET	510XB
71	5	0.18	142	P2	TWD	11	012	+0.28	LTE	UTE	WAR		70	INLET	510XB
71	7	0.09	151	P2	TWD	7	012	-0.50	LTE	UTE	WAR	0	26	INLET	510XB
71	10	0.12	143	P2	TWD	9	010	+0.65	LTE	UTE	WAR		28	INLET	510XB
71	11	0.07	153	P2	TWD	5	009	-0.47	LTE	UTE	WAR	7	26	INLET	510XB
71	30	0.07	141	P2	TWD	6	011	+0.03	LTE	UTE	WAR		26	INLET	510XB
71	58	0.08	103	P2	TWD	6	008	-0.62	LTE	UTE	WAR		136	INLET	510XB
71	65	0.07	78	P2	TWD	7	007	-0.55	LTE	UTE	WAR	4	599	INLET	510UL
71	123	0.10	143	P2	TWD	7	012	+0.23	LTE	UTE	WAR		60	INLET	510XB
71	125	0.15	146	P2	TWD	10	013	+0.26	LTE	UTE	WAR		60	INLET	510XB
71	128	0.14	144	P2	TWD	10	012	+0.33	LTE	UTE	WAR		68	INLET	510XB
71	129	0.05	144	P2	TWD	4	013	-0.34	LTE	UTE	WAR		66	INLET	510XB
71	130	0.08	141	P2	TWD	6	013	-0.31	LTE	UTE	WAR		68	INLET	510XB
71	132	0.16	139	P2	TWD	10	003	+0.41	LTE	UTE	WAR		68	INLET	510XB
		0.12	146	P2	TWD	8	011	+0.36	LTE	UTE	WAR		68	INLET	510XB
		0.23	141	P2	TWD	14	013	-0.23	LTE	UTE	WAR	5	68	INLET	510XB
72	1	0.11	141	P2	TWD	9	001	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.22	129	P2	TWD	16	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.14	145	P2	TWD	11	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.22	140	P2	TWD	16	010	-0.26	LTE	UTE	WAR		72	INLET	510XB
72	2	0.09	151	P2	TWD	7	001	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.12	145	P2	TWD	10	002	+0.33	LTE	UTE	WAR		72	INLET	510XB
		0.19	125	P2	TWD	14	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.08	142	P2	TWD	6	003	+0.13	LTE	UTE	WAR		72	INLET	510XB
		0.07	151	P2	TWD	6	005	+0.41	LTE	UTE	WAR		72	INLET	510XB
72	3	0.10	151	P2	TWD	7	005	+0.38	LTE	UTE	WAR		70	INLET	510XB
		0.09	143	P2	TWD	6	011	+0.33	LTE	UTE	WAR	2	70	INLET	510XB
72	4	0.09	148	P2	TWD	7	013	-0.36	LTE	UTE	WAR		72	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
72	5	0.21	143	P2	TWD	13	013	-0.39	LTE	UTE	WAR		70	INLET	510XB
72	6	0.18	133	P2	TWD	12	010	+0.65	LTE	UTE	WAR		28	INLET	510XB
		0.13	147	P2	TWD	9	013	+0.28	LTE	UTE	WAR	3	28	INLET	510XB
72	7	0.20	139	P2	TWD	14	013	-0.39	LTE	UTE	WAR		26	INLET	510XB
72	8	0.08	160	P2	TWD	6	010	-0.44	LTE	UTE	WAR		28	INLET	510XB
		0.15	145	P2	TWD	11	012	-0.52	LTE	UTE	WAR		28	INLET	510XB
		0.13	141	P2	TWD	9	013	+0.26	LTE	UTE	WAR		28	INLET	510XB
72	11	0.12	140	P2	TWD	9	012	-0.55	LTE	UTE	WAR	4	26	INLET	510XB
72	13	0.20	144	P2	TWD	13	014	-0.57	LTE	UTE	WAR		26	INLET	510XB
72	18	0.06	93	P2	TWD	4	009	-0.57	LTE	UTE	WAR		28	INLET	510XB
72	24	0.07	136	P2	TWD	5	009	-0.57	LTE	UTE	WAR		26	INLET	510XB
72	30	0.06	138	P2	TWD	4	008	-0.59	LTE	UTE	WAR		26	INLET	510XB
72	55	0.08	128	P2	TWD	6	008	-0.54	LTE	UTE	WAR		2	INLET	510XB
72	72	0.11	141	P2	TWD	8	007	-0.62	LTE	UTE	WAR		136	INLET	510XB
72	109	0.10	101	P2	TWD	8	011	-0.62	LTE	UTE	WAR		58	INLET	510XB
72	116	0.06	151	P2	TWD	5	013	-0.57	LTE	UTE	WAR	0	58	INLET	510XB
72	117	0.29	127	P2	TWD	17	008	+0.21	LTE	UTE	WAR		60	INLET	510XB
72	118	0.20	159	P2	TWD	14	012	+0.16	LTE	UTE	WAR		58	INLET	510XB
72	120	0.38	139	P2	TWD	23	012	+0.21	LTE	UTE	WAR		58	INLET	510XB
		0.19	139	P2	TWD	14	012	-0.60	LTE	UTE	WAR	8	58	INLET	510XB
		1.96	111	106	VOL		012	+0.00	012	012	WAR		57	INLET	510XP
72	121	0.16	137	P2	TWD	11	012	-0.57	LTE	UTE	WAR	6	60	INLET	510XB
		0.16	137	P2	TWD	10	012	+0.18	LTE	UTE	WAR		60	INLET	510XB
72	122	0.20	135	P2	TWD	14	012	-0.57	LTE	UTE	WAR	0	58	INLET	510XB
		0.10	145	P2	TWD	8	012	+0.23	LTE	UTE	WAR	0	58	INLET	510XB
72	124	0.17	136	P2	TWD	12	012	-0.52	LTE	UTE	WAR		58	INLET	510XB
72	127	0.18	150	P2	TWD	12	013	+0.33	LTE	UTE	WAR		68	INLET	510XB
72	130	0.11	135	P2	TWD	9	003	+0.43	LTE	UTE	WAR		66	INLET	510XB
		0.07	146	P2	TWD	6	006	+0.38	LTE	UTE	WAR		66	INLET	510XB
		0.08	159	P2	TWD	6	012	-0.41	LTE	UTE	WAR	3	66	INLET	510XB
		0.06	158	P2	TWD	5	013	+0.36	LTE	UTE	WAR	0	66	INLET	510XB
72	131	0.11	129	P2	TWD	8	003	-0.23	LTE	UTE	WAR		68	INLET	510XB
		0.21	132	P2	TWD	13	013	-0.28	LTE	UTE	WAR		68	INLET	510XB
73	1	0.09	137	P2	TWD	8	001	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.60	132	P2	TWD	32	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.22	138	P2	TWD	16	002	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.14	139	P2	TWD	11	004	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.09	141	P2	TWD	8	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.13	143	P2	TWD	10	005	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.23	133	P2	TWD	17	008	-0.28	LTE	UTE	WAR		72	INLET	510XB
		0.05	141	P2	TWD	5	008	+0.39	LTE	UTE	WAR		72	INLET	510XB
		0.25	134	P2	TWD	18	009	+0.67	LTE	UTE	WAR		72	INLET	510XB
		0.18	145	P2	TWD	13	012	+0.39	LTE	UTE	WAR		72	INLET	510XB
		2.07	107	134	VOL		002	-0.15	002	002	WAR		71	INLET	510XP
73	2	0.14	142	P2	TWD	11	001	-0.21	LTE	UTE	WAR		72	INLET	510XB
		0.24	144	P2	TWD	17	002	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.48	132	P2	TWD	28	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.14	134	P2	TWD	11	003	+0.18	LTE	UTE	WAR		72	INLET	510XB
		0.09	149	P2	TWD	8	003	+0.49	LTE	UTE	WAR		72	INLET	510XB
		0.27	140	P2	TWD	19	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.10	144	P2	TWD	8	010	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.22	141	P2	TWD	16	011	-0.31	LTE	UTE	WAR		72	INLET	510XB
		1.33	120	22	VOL		003	-0.44	003	003	WAR		71	INLET	510XP
73	3	0.13	141	P2	TWD	9	004	+0.38	LTE	UTE	WAR		70	INLET	510XB
		0.22	143	P2	TWD	13	011	-0.33	LTE	UTE	WAR		70	INLET	510XB
		0.23	144	P2	TWD	14	013	+0.33	LTE	UTE	WAR		70	INLET	510XB
73	5	0.27	145	P2	TWD	16	013	-0.39	LTE	UTE	WAR		70	INLET	510XB
		0.10	152	P2	TWD	7	013	+0.28	LTE	UTE	WAR	0	70	INLET	510XB
73	6	0.14	134	P2	TWD	10	010	-0.42	LTE	UTE	WAR		28	INLET	510XB
		0.07	74	P2	TWD	5	010	+0.68	LTE	UTE	WAR		28	INLET	510XB
73	7	0.31	148	P2	TWD	19	014	-0.47	LTE	UTE	WAR		26	INLET	510XB
73	9	0.22	145	P2	TWD	14	010	-0.47	LTE	UTE	WAR		26	INLET	510XB
		0.21	137	P2	TWD	14	010	+0.65	LTE	UTE	WAR		26	INLET	510XB
73	10	0.15	144	P2	TWD	11	010	-0.47	LTE	UTE	WAR		28	INLET	510XB
		0.19	146	P2	TWD	13	010	+0.62	LTE	UTE	WAR		28	INLET	510XB
73	11	0.17	144	P2	TWD	12	010	-0.50	LTE	UTE	WAR		26	INLET	510XB
73	14	0.21	149	P2	TWD	15	009	+0.57	LTE	UTE	WAR		28	INLET	510XB
73	18	0.08	155	P2	TWD	6	009	-0.55	LTE	UTE	WAR		28	INLET	510XB
73	24	0.09	143	P2	TWD	7	009	-0.57	LTE	UTE	WAR		26	INLET	510XB
73	36	0.06	118	P2	TWD	4	008	-0.58	LTE	UTE	WAR		2	INLET	510XB
73	66	0.15	139	P2	TWD	11	007	-0.59	LTE	UTE	WAR		136	INLET	510XB
73	73	0.08	103	P2	TWD	6	008	-0.67	LTE	UTE	WAR		136	INLET	510XB
73	102	0.09	153	P2	TWD	7	008	+0.73	LTE	UTE	WAR	0	583	INLET	510UL
73	111	0.10	128	P2	TWD	8	011	-0.59	LTE	UTE	WAR	7	583	INLET	510UL
73	113	0.11	108	P2	TWD	8	012	-0.68	LTE	UTE	WAR		58	INLET	510XB
73	121	0.28	143	P2	TWD	19	012	-0.54	LTE	UTE	WAR		58	INLET	510XB
		0.07	157	P2	TWD	5	012	+0.21	LTE	UTE	WAR		58	INLET	510XB
		0.13	143	P2	TWD	10	010	+0.54	LTE	UTE	WAR	0	58	INLET	510XB
73	128	0.19	145	P2	TWD	12	012	-0.46	LTE	UTE	WAR		68	INLET	510XB
		0.16	146	P2	TWD	10	013	+0.36	LTE	UTE	WAR		68	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.12	141	P2	TWD	8	012	+0.31	LTE	UTE	WAR	6	68	INLET	510XB
73	131	0.16	139	P2	TWD	12	005	-0.25	LTE	UTE	WAR		66	INLET	510XB
		0.07	155	P2	TWD	6	012	-0.39	LTE	UTE	WAR		66	INLET	510XB
		0.05	141	P2	TWD	4	003	-0.20	LTE	UTE	WAR		66	INLET	510XB
		0.08	128	P2	TWD	6	004	+0.10	LTE	UTE	WAR		66	INLET	510XB
		0.17	143	P2	TWD	13	004	-0.33	LTE	UTE	WAR		66	INLET	510XB
73	132	0.20	126	P2	TWD	13	003	-0.23	LTE	UTE	WAR		68	INLET	510XB
		0.16	145	P2	TWD	11	005	+0.41	LTE	UTE	WAR		68	INLET	510XB
		0.10	130	P2	TWD	7	004	-0.23	LTE	UTE	WAR		68	INLET	510XB
		0.13	138	P2	TWD	9	005	-0.25	LTE	UTE	WAR		68	INLET	510XB
		0.15	137	P2	TWD	10	010	+0.71	LTE	UTE	WAR		68	INLET	510XB
74	1	0.12	148	P2	TWD	10	001	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.54	133	P2	TWD	30	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.10	136	P2	TWD	8	002	+0.10	LTE	UTE	WAR		72	INLET	510XB
		0.10	149	P2	TWD	8	002	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.12	139	P2	TWD	10	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.11	124	P2	TWD	9	003	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.12	141	P2	TWD	10	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.12	141	P2	TWD	10	009	+0.65	LTE	UTE	WAR		72	INLET	510XB
		0.22	145	P2	TWD	16	010	-0.28	LTE	UTE	WAR		72	INLET	510XB
		1.52	109	134	VOL		002	-0.28	002	002	WAR		71	INLET	510XP
74	2	0.16	137	P2	TWD	12	003	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.10	137	P2	TWD	8	004	-0.28	LTE	UTE	WAR		72	INLET	510XB
		0.11	145	P2	TWD	9	005	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.15	140	P2	TWD	12	013	-0.36	LTE	UTE	WAR		72	INLET	510XB
		0.10	145	P2	TWD	8	010	-0.31	LTE	UTE	WAR	0	72	INLET	510XB
74	4	0.15	147	P2	TWD	12	012	+0.36	LTE	UTE	WAR		72	INLET	510XB
		0.29	144	P2	TWD	20	013	+0.28	LTE	UTE	WAR		72	INLET	510XB
		1.15	110	74	VOL		013	+0.23	013	013	WAR		71	INLET	510XP
74	9	0.23	147	P2	TWD	15	013	-0.45	LTE	UTE	WAR		26	INLET	510XB
74	11	0.46	141	P2	TWD	25	013	-0.50	LTE	UTE	WAR		26	INLET	510XB
		1.41	125	102	VOL		013	-0.58	013	013	WAR		25	INLET	510XP
74	15	0.20	135	P2	TWD	13	012	-0.57	LTE	UTE	WAR	7	26	INLET	510XB
74	17	0.07	132	P2	TWD	6	009	+0.18	LTE	UTE	WAR	0	26	INLET	510XB
74	18	0.09	92	P2	TWD	7	009	-0.57	LTE	UTE	WAR	4	28	INLET	510XB
74	19	0.06	105	P2	TWD	5	009	+0.13	LTE	UTE	WAR	0	26	INLET	510XB
74	51	0.07	85	P2	TWD	5	008	-0.64	LTE	UTE	WAR		2	INLET	510XB
74	55	0.08	109	P2	TWD	6	007	-0.65	LTE	UTE	WAR	4	501	INLET	510UL
74	57	0.07	115	P2	TWD	6	008	-0.62	LTE	UTE	WAR		136	INLET	510XB
74	102	0.08	152	P2	TWD	7	012	+0.73	LTE	UTE	WAR	3	583	INLET	510UL
74	108	0.09	150	P2	TWD	7	011	-0.62	LTE	UTE	WAR	5	583	INLET	510UL
74	110	0.11	125	P2	TWD	8	012	-0.63	LTE	UTE	WAR		58	INLET	510XB
74	111	0.10	130	P2	TWD	8	011	-0.62	LTE	UTE	WAR	0	583	INLET	510UL
		0.11	145	P2	TWD	9	012	+0.08	LTE	UTE	WAR	0	583	INLET	510UL
74	113	0.12	115	P2	TWD	9	011	-0.60	LTE	UTE	WAR		58	INLET	510XB
74	115	0.06	155	P2	TWD	4	013	+0.10	LTE	UTE	WAR	3	60	INLET	510XB
		0.10	139	P2	TWD	7	013	-0.57	LTE	UTE	WAR	4	60	INLET	510XB
74	117	0.22	139	P2	TWD	14	012	+0.13	LTE	UTE	WAR		60	INLET	510XB
74	119	0.08	141	P2	TWD	6	008	+0.23	LTE	UTE	WAR		60	INLET	510XB
74	130	0.09	135	P2	TWD	7	001	-0.23	LTE	UTE	WAR		66	INLET	510XB
		0.14	152	P2	TWD	11	003	-0.25	LTE	UTE	WAR		66	INLET	510XB
		0.17	133	P2	TWD	13	003	+0.43	LTE	UTE	WAR		66	INLET	510XB
		0.13	119	P2	TWD	10	004	-0.25	LTE	UTE	WAR		66	INLET	510XB
		0.10	153	P2	TWD	8	004	+0.38	LTE	UTE	WAR		66	INLET	510XB
		0.14	122	P2	TWD	10	005	-0.31	LTE	UTE	WAR		66	INLET	510XB
		0.12	145	P2	TWD	9	005	+0.36	LTE	UTE	WAR		66	INLET	510XB
		0.10	139	P2	TWD	8	007	-0.28	LTE	UTE	WAR		66	INLET	510XB
		0.17	147	P2	TWD	13	012	-0.38	LTE	UTE	WAR		66	INLET	510XB
74	131	1.49	109	54	VOL		011	-0.41	011	011	WAR		67	INLET	510XP
		0.17	136	P2	TWD	11	001	-0.23	LTE	UTE	WAR		68	INLET	510XB
		0.10	146	P2	TWD	7	001	+0.13	LTE	UTE	WAR		68	INLET	510XB
		0.18	141	P2	TWD	12	012	-0.38	LTE	UTE	WAR		68	INLET	510XB
		0.10	142	P2	TWD	7	006	+0.41	LTE	UTE	WAR	6	68	INLET	510XB
		0.14	132	P2	TWD	9	003	-0.20	LTE	UTE	WAR		68	INLET	510XB
		0.51	133	P2	TWD	26	011	-0.33	LTE	UTE	WAR		68	INLET	510XB
75	1	0.49	136	P2	TWD	28	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.14	132	P2	TWD	11	002	+0.15	LTE	UTE	WAR		72	INLET	510XB
		0.13	141	P2	TWD	10	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.10	130	P2	TWD	8	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.10	132	P2	TWD	8	005	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.09	139	P2	TWD	7	005	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.29	133	P2	TWD	20	006	-0.28	LTE	UTE	WAR		72	INLET	510XB
		0.11	141	P2	TWD	9	006	+0.39	LTE	UTE	WAR		72	INLET	510XB
		0.27	146	P2	TWD	19	001	+0.00	LTE	UTE	WAR		72	INLET	510XB
		0.98	104	134	VOL		002	-0.31	002	002	WAR		71	INLET	510XP
		0.60	129	110	VOL		006	-0.31	006	006	WAR		71	INLET	510XP
75	2	0.18	144	P2	TWD	13	001	-0.21	LTE	UTE	WAR		72	INLET	510XB
		0.11	150	P2	TWD	9	003	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.14	150	P2	TWD	11	004	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.18	144	P2	TWD	14	004	+0.41	LTE	UTE	WAR		72	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.15	148	P2	TWD	12	013	+0.36	LTE	UTE	WAR		72	INLET	510XB
75	3	0.24	145	P2	TWD	15	002	-0.23	LTE	UTE	WAR		70	INLET	510XB
		0.17	146	P2	TWD	11	003	+0.43	LTE	UTE	WAR		70	INLET	510XB
		0.16	140	P2	TWD	11	008	-0.31	LTE	UTE	WAR		70	INLET	510XB
		0.09	142	P2	TWD	6	002	+0.41	LTE	UTE	WAR	5	70	INLET	510XB
		0.08	150	P2	TWD	6	008	+0.08	LTE	UTE	WAR	4	70	INLET	510XB
		0.08	155	P2	TWD	5	011	-0.33	LTE	UTE	WAR	4	70	INLET	510XB
		0.18	143	P2	TWD	12	012	+0.36	LTE	UTE	WAR	3	70	INLET	510XB
75	4	0.15	141	P2	TWD	12	011	-0.34	LTE	UTE	WAR		72	INLET	510XB
		0.10	144	P2	TWD	8	012	+0.36	LTE	UTE	WAR	0	72	INLET	510XB
75	5	0.08	155	P2	TWD	6	012	+0.31	LTE	UTE	WAR		70	INLET	510XB
		0.09	157	P2	TWD	6	011	+0.31	LTE	UTE	WAR	3	70	INLET	510XB
75	6	0.14	144	P2	TWD	10	012	-0.47	LTE	UTE	WAR		28	INLET	510XB
75	7	0.07	126	P2	TWD	5	010	-0.42	LTE	UTE	WAR	0	26	INLET	510XB
		0.09	141	P2	TWD	7	012	+0.31	LTE	UTE	WAR	0	26	INLET	510XB
75	8	0.18	142	P2	TWD	13	013	-0.44	LTE	UTE	WAR		28	INLET	510XB
75	9	0.16	149	P2	TWD	11	010	-0.44	LTE	UTE	WAR		26	INLET	510XB
75	10	0.10	154	P2	TWD	7	010	-0.49	LTE	UTE	WAR		28	INLET	510XB
75	11	0.11	149	P2	TWD	8	010	-0.50	LTE	UTE	WAR		26	INLET	510XB
		0.11	146	P2	TWD	8	012	-0.52	LTE	UTE	WAR	3	26	INLET	510XB
75	53	0.09	134	P2	TWD	6	008	-0.65	LTE	UTE	WAR	6	501	INLET	510UL
75	59	0.14	137	P2	TWD	10	007	-0.65	LTE	UTE	WAR		136	INLET	510XB
		0.17	128	P2	TWD	12	009	-0.70	LTE	UTE	WAR		136	INLET	510XB
75	64	0.09	97	P2	TWD	7	008	-0.65	LTE	UTE	WAR		136	INLET	510XB
75	79	0.10	123	P2	TWD	7	007	-0.64	LTE	UTE	WAR		136	INLET	510XB
75	112	0.14	145	P2	TWD	10	014	+0.03	LTE	UTE	WAR		58	INLET	510XB
75	117	0.06	90	P2	TWD	4	009	+0.10	LTE	UTE	WAR		60	INLET	510XB
75	118	0.07	149	P2	TWD	5	008	+0.21	LTE	UTE	WAR		58	INLET	510XB
75	119	0.08	147	P2	TWD	5	008	-0.54	LTE	UTE	WAR		60	INLET	510XB
75	126	0.23	140	P2	TWD	16	012	-0.49	LTE	UTE	WAR		58	INLET	510XB
75	129	0.13	153	P2	TWD	10	013	+0.36	LTE	UTE	WAR		66	INLET	510XB
75	131	0.57	114	86	VOL		003	+0.15	003	003	WAR		65	INLET	510XP
		0.15	145	P2	TWD	11	001	-0.23	LTE	UTE	WAR		66	INLET	510XB
		0.12	149	P2	TWD	10	001	+0.15	LTE	UTE	WAR		66	INLET	510XB
		0.19	143	P2	TWD	14	004	-0.28	LTE	UTE	WAR		66	INLET	510XB
		0.09	144	P2	TWD	7	008	-0.35	LTE	UTE	WAR		66	INLET	510XB
		0.06	153	P2	TWD	5	008	+0.36	LTE	UTE	WAR		66	INLET	510XB
		0.18	144	P2	TWD	13	012	+0.36	LTE	UTE	WAR		66	INLET	510XB
		0.17	151	P2	TWD	12	013	+0.43	LTE	UTE	WAR		66	INLET	510XB
		0.28	141	P2	TWD	19	005	-0.31	LTE	UTE	WAR		66	INLET	510XB
		0.32	136	P2	TWD	21	003	+0.00	LTE	UTE	WAR	13	66	INLET	510XB
		0.13	138	P2	TWD	10	005	+0.13	LTE	UTE	WAR		66	INLET	510XB
75	132	1.06	111	2	VOL		005	-0.20	005	005	WAR		67	INLET	510XP
		0.08	137	P2	TWD	6	001	+0.13	LTE	UTE	WAR		68	INLET	510XB
		0.40	137	P2	TWD	22	005	-0.28	LTE	UTE	WAR		68	INLET	510XB
		0.19	129	P2	TWD	12	005	+0.13	LTE	UTE	WAR		68	INLET	510XB
		0.10	139	P2	TWD	7	006	-0.05	LTE	UTE	WAR		68	INLET	510XB
		0.32	136	P2	TWD	19	011	-0.31	LTE	UTE	WAR		68	INLET	510XB
		0.19	139	P2	TWD	12	011	+0.38	LTE	UTE	WAR		68	INLET	510XB
		0.33	143	P2	TWD	19	003	+0.13	LTE	UTE	WAR		68	INLET	510XB
		0.06	142	P2	TWD	4	006	+0.40	LTE	UTE	WAR		68	INLET	510XB
76	1	0.13	141	P2	TWD	10	001	-0.21	LTE	UTE	WAR		72	INLET	510XB
		0.09	143	P2	TWD	7	001	+0.49	LTE	UTE	WAR		72	INLET	510XB
		0.11	146	P2	TWD	9	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.07	148	P2	TWD	6	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.14	145	P2	TWD	11	011	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.12	136	P2	TWD	10	011	+0.39	LTE	UTE	WAR		72	INLET	510XB
		0.19	145	P2	TWD	14	012	+0.42	LTE	UTE	WAR		72	INLET	510XB
		0.06	143	P2	TWD	5	013	-0.29	LTE	UTE	WAR		72	INLET	510XB
76	2	0.15	132	P2	TWD	12	001	-0.21	LTE	UTE	WAR		72	INLET	510XB
		0.08	151	P2	TWD	7	001	+0.49	LTE	UTE	WAR		72	INLET	510XB
		0.20	137	P2	TWD	15	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.16	136	P2	TWD	12	002	+0.00	LTE	UTE	WAR		72	INLET	510XB
		0.47	132	P2	TWD	27	002	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.21	135	P2	TWD	15	004	-0.03	LTE	UTE	WAR		72	INLET	510XB
		0.63	132	P2	TWD	32	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.48	125	P2	TWD	28	005	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.13	147	P2	TWD	10	005	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.41	129	P2	TWD	25	006	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.28	137	P2	TWD	19	006	+0.36	LTE	UTE	WAR		72	INLET	510XB
		0.18	139	P2	TWD	13	013	-0.34	LTE	UTE	WAR		72	INLET	510XB
		0.60	138	P2	TWD	32	003	+0.13	LTE	UTE	WAR		72	INLET	510XB
		1.14	122	110	VOL		006	-0.39	006	006	WAR		71	INLET	510XP
		1.46	120	110	VOL		003	+0.00	003	003	WAR		71	INLET	510XP
		1.39	107	26	VOL		002	+0.44	002	002	WAR		71	INLET	510XP
		1.72	108	106	VOL		004	+0.28	004	004	WAR		71	INLET	510XP
		1.55	112	90	VOL		005	-0.41	005	005	WAR		71	INLET	510XP
76	3	0.29	146	P2	TWD	17	011	-0.33	LTE	UTE	WAR		70	INLET	510XB
76	4	0.07	144	P2	TWD	6	005	+0.36	LTE	UTE	WAR		72	INLET	510XB
		0.09	153	P2	TWD	7	014	+0.26	LTE	UTE	WAR		72	INLET	510XB

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ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.09	119	P2	TWD	7	011	+0.31	LTE	UTE	WAR		72	INLET	510XB
76	5	0.32	139	P2	TWD	18	013	-0.39	LTE	UTE	WAR		70	INLET	510XB
76	7	0.09	158	P2	TWD	7	013	+0.23	LTE	UTE	WAR		26	INLET	510XB
76	9	0.10	155	P2	TWD	7	010	-0.49	LTE	UTE	WAR		26	INLET	510XB
76	10	1.32	132	166	VOL		010	-0.60	010	010	WAR		27	INLET	510XP
		0.38	147	P2	TWD	22	010	-0.47	LTE	UTE	WAR		28	INLET	510XB
		0.09	156	P2	TWD	7	012	-0.55	LTE	UTE	WAR	4	28	INLET	510XB
76	13	0.07	145	P2	TWD	5	010	-0.57	LTE	UTE	WAR	5	26	INLET	510XB
76	51	0.10	50	P2	TWD	7	007	-0.67	LTE	UTE	WAR	0	501	INLET	510UL
76	53	0.09	140	P2	TWD	6	007	-0.67	LTE	UTE	WAR	0	501	INLET	510UL
76	55	0.07	135	P2	TWD	5	007	-0.67	LTE	UTE	WAR	0	501	INLET	510UL
76	65	0.11	94	P2	TWD	8	007	-0.62	LTE	UTE	WAR		136	INLET	510XB
76	112	0.07	129	P2	TWD	6	015	+0.03	LTE	UTE	WAR	3	583	INLET	510UL
76	119	0.07	150	P2	TWD	5	013	+0.18	LTE	UTE	WAR	0	60	INLET	510XB
76	124	0.06	162	P2	TWD	5	013	+0.28	LTE	UTE	WAR		58	INLET	510XB
76	128	0.10	148	P2	TWD	8	013	-0.31	LTE	UTE	WAR	0	66	INLET	510XB
76	129	0.10	136	P2	TWD	7	004	-0.25	LTE	UTE	WAR		68	INLET	510XB
		0.24	139	P2	TWD	15	010	+0.66	LTE	UTE	WAR		68	INLET	510XB
		0.17	148	P2	TWD	11	013	+0.38	LTE	UTE	WAR		68	INLET	510XB
76	130	2.32	42	P5	VOL		003	+0.00	003	003	WAR		65	INLET	510XP
		1.37	38	P12	VOL		004	-0.28	004	004	WAR		65	INLET	510XP
		0.09	128	P2	TWD	7	001	-0.23	LTE	UTE	WAR		66	INLET	510XB
		0.11	149	P2	TWD	9	002	-0.03	LTE	UTE	WAR		66	INLET	510XB
		0.11	127	P2	TWD	9	002	+0.36	LTE	UTE	WAR		66	INLET	510XB
		0.30	138	P2	TWD	20	004	-0.28	LTE	UTE	WAR		66	INLET	510XB
		0.29	146	P2	TWD	19	013	+0.38	LTE	UTE	WAR		66	INLET	510XB
		0.09	134	P2	TWD	7	005	+0.36	LTE	UTE	WAR		66	INLET	510XB
		0.78	135	P2	TWD	36	003	+0.15	LTE	UTE	WAR		66	INLET	510XB
76	131	2.51	97	P24	VOL		008	+0.18	008	008	WAR		67	INLET	510XP
		1.68	88	P15	TWD	18	002	-0.35	002	002	WAR		67	INLET	510XP
		1.28	96	P5	TWD	15	002	-0.03	002	002	WAR		67	INLET	510XP
		0.30	132	P2	TWD	18	005	-0.25	LTE	UTE	WAR		68	INLET	510XB
		0.08	139	P2	TWD	6	005	+0.13	LTE	UTE	WAR		68	INLET	510XB
		0.50	134	P2	TWD	25	008	+0.36	LTE	UTE	WAR		68	INLET	510XB
		0.17	133	P2	TWD	11	010	+0.71	LTE	UTE	WAR		68	INLET	510XB
		0.18	136	P2	TWD	12	004	-0.15	LTE	UTE	WAR		68	INLET	510XB
		0.08	137	P2	TWD	6	007	-0.33	LTE	UTE	WAR		68	INLET	510XB
		0.46	144	P2	TWD	24	002	+0.05	LTE	UTE	WAR		68	INLET	510XB
77	1	0.59	130	P2	TWD	31	002	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.27	139	P2	TWD	19	002	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.07	145	P2	TWD	6	004	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.19	139	P2	TWD	14	004	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.12	143	P2	TWD	10	005	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.11	144	P2	TWD	9	006	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.13	142	P2	TWD	10	010	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.22	132	P2	TWD	16	010	+0.75	LTE	UTE	WAR		72	INLET	510XB
		0.20	145	P2	TWD	15	011	+0.42	LTE	UTE	WAR		72	INLET	510XB
		0.23	138	P2	TWD	17	013	-0.31	LTE	UTE	WAR		72	INLET	510XB
		0.14	138	P2	TWD	11	013	+0.36	LTE	UTE	WAR		72	INLET	510XB
		1.99	111	86	VOL		002	-0.26	002	002	WAR		71	INLET	510XP
77	2	0.18	142	P2	TWD	14	001	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.23	134	P2	TWD	17	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.22	139	P2	TWD	16	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.08	143	P2	TWD	6	003	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.14	146	P2	TWD	11	010	-0.28	LTE	UTE	WAR	6	72	INLET	510XB
77	3	0.13	136	P2	TWD	9	010	+0.69	LTE	UTE	WAR		70	INLET	510XB
		0.26	134	P2	TWD	15	011	-0.31	LTE	UTE	WAR		70	INLET	510XB
77	4	0.06	141	P2	TWD	5	003	+0.18	LTE	UTE	WAR		72	INLET	510XB
		0.13	137	P2	TWD	10	010	+0.72	LTE	UTE	WAR		72	INLET	510XB
		0.20	144	P2	TWD	15	013	-0.34	LTE	UTE	WAR		72	INLET	510XB
		0.08	142	P2	TWD	7	001	+0.46	LTE	UTE	WAR	0	72	INLET	510XB
		0.11	136	P2	TWD	9	003	-0.26	LTE	UTE	WAR		72	INLET	510XB
77	7	0.05	148	P2	TWD	4	012	+0.28	LTE	UTE	WAR	2	48	INLET	510XB
77	9	0.08	138	P2	TWD	6	010	-0.49	LTE	UTE	WAR	6	48	INLET	510XB
77	10	0.15	152	P2	TWD	11	010	-0.44	LTE	UTE	WAR		46	INLET	510XB
77	13	0.09	156	P2	TWD	7	010	-0.49	LTE	UTE	WAR		48	INLET	510XB
		0.07	153	P2	TWD	6	012	+0.18	LTE	UTE	WAR	0	48	INLET	510XB
77	62	0.12	119	P2	TWD	9	007	-0.65	LTE	UTE	WAR		136	INLET	510XB
77	96	0.06	62	P2	TWD	5	007	+0.08	LTE	UTE	WAR	5	533	INLET	510UL
77	115	0.22	143	P2	TWD	16	011	+0.13	LTE	UTE	WAR		130	INLET	510XB
77	116	0.10	151	P2	TWD	7	011	+0.13	LTE	UTE	WAR	2	128	INLET	510XB
77	118	0.13	130	P2	TWD	9	008	+0.23	LTE	UTE	WAR		128	INLET	510XB
77	120	0.16	140	P2	TWD	11	012	+0.21	LTE	UTE	WAR		128	INLET	510XB
77	125	0.10	134	P2	TWD	9	013	-0.42	LTE	UTE	WAR		130	INLET	510XB
77	130	0.11	141	P2	TWD	7	006	-0.33	LTE	UTE	WAR		68	INLET	510XB
		0.09	143	P2	TWD	6	004	+0.38	LTE	UTE	WAR	4	68	INLET	510XB
77	131	1.84	43	P1	VOL		005	-0.25	005	005	WAR		65	INLET	510XP
		0.16	130	P2	TWD	12	004	-0.25	LTE	UTE	WAR		66	INLET	510XB
		0.42	137	P2	TWD	25	005	-0.25	LTE	UTE	WAR		66	INLET	510XB
		0.11	115	P2	TWD	8	005	+0.13	LTE	UTE	WAR		66	INLET	510XB

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ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.17	138	P2	TWD	13	006	-0.28	LTE	UTE	WAR		66	INLET	510XB
		0.08	112	P2	TWD	7	005	+0.41	LTE	UTE	WAR		66	INLET	510XB
77	132	1.01	116	2	VOL		003	+0.08	003	003	WAR		67	INLET	510XP
		1.19	117	2	VOL		005	-0.35	005	005	WAR		67	INLET	510XP
		0.82	135	158	VOL		011	-0.30	011	011	WAR		67	INLET	510XP
		0.10	146	P2	TWD	7	001	-0.20	LTE	UTE	WAR		68	INLET	510XB
		0.10	123	P2	TWD	7	001	+0.20	LTE	UTE	WAR		68	INLET	510XB
		0.44	140	P2	TWD	24	005	-0.25	LTE	UTE	WAR		68	INLET	510XB
		0.14	137	P2	TWD	10	005	+0.13	LTE	UTE	WAR		68	INLET	510XB
		0.14	147	P2	TWD	9	006	+0.35	LTE	UTE	WAR		68	INLET	510XB
		0.11	133	P2	TWD	8	007	-0.28	LTE	UTE	WAR		68	INLET	510XB
		0.14	142	P2	TWD	9	008	-0.30	LTE	UTE	WAR		68	INLET	510XB
		0.43	138	P2	TWD	23	011	-0.30	LTE	UTE	WAR		68	INLET	510XB
		0.22	143	P2	TWD	14	011	+0.41	LTE	UTE	WAR		68	INLET	510XB
		0.45	142	P2	TWD	24	003	+0.20	LTE	UTE	WAR		68	INLET	510XB
		0.09	140	P2	TWD	6	006	-0.05	LTE	UTE	WAR	0	68	INLET	510XB
78	1	0.14	142	P2	TWD	11	001	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.44	132	P2	TWD	26	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.17	123	P2	TWD	13	002	+0.18	LTE	UTE	WAR		72	INLET	510XB
		0.19	142	P2	TWD	14	002	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.12	125	P2	TWD	10	004	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.28	138	P2	TWD	19	004	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.18	127	P2	TWD	14	005	-0.28	LTE	UTE	WAR		72	INLET	510XB
		0.15	152	P2	TWD	12	005	+0.39	LTE	UTE	WAR		72	INLET	510XB
		0.21	140	P2	TWD	15	010	-0.26	LTE	UTE	WAR		72	INLET	510XB
		1.32	114	86	VOL		002	-0.28	002	002	WAR		71	INLET	510XP
78	2	0.08	142	P2	TWD	7	001	+0.03	LTE	UTE	WAR		72	INLET	510XB
		0.21	141	P2	TWD	15	001	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.25	133	P2	TWD	18	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.07	131	P2	TWD	6	003	-0.03	LTE	UTE	WAR		72	INLET	510XB
		0.16	143	P2	TWD	13	003	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.18	145	P2	TWD	14	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
		0.11	149	P2	TWD	9	013	+0.33	LTE	UTE	WAR		72	INLET	510XB
78	3	0.10	131	P2	TWD	7	002	-0.20	LTE	UTE	WAR		70	INLET	510XB
		0.09	136	P2	TWD	6	003	-0.23	LTE	UTE	WAR		70	INLET	510XB
78	5	0.21	143	P2	TWD	13	013	-0.36	LTE	UTE	WAR		70	INLET	510XB
78	8	0.14	145	P2	TWD	10	013	-0.42	LTE	UTE	WAR		46	INLET	510XB
78	9	0.10	146	P2	TWD	8	012	+0.21	LTE	UTE	WAR		48	INLET	510XB
78	10	1.31	130	10	VOL		010	-0.70	010	010	WAR		45	INLET	510XP
		0.37	140	P2	TWD	22	010	-0.64	LTE	UTE	WAR		46	INLET	510XB
78	11	0.11	150	P2	TWD	8	012	-0.54	LTE	UTE	WAR	6	48	INLET	510XB
78	12	0.11	153	P2	TWD	8	013	-0.49	LTE	UTE	WAR	0	46	INLET	510XB
78	16	0.12	130	P2	TWD	9	012	-0.57	LTE	UTE	WAR		46	INLET	510XB
78	121	0.06	153	P2	TWD	6	013	-0.47	LTE	UTE	WAR		130	INLET	510XB
		0.09	142	P2	TWD	8	013	+0.21	LTE	UTE	WAR		130	INLET	510XB
78	122	0.14	144	P2	TWD	10	013	+0.23	LTE	UTE	WAR	6	128	INLET	510XB
78	131	0.11	119	P2	TWD	8	006	+0.38	LTE	UTE	WAR		68	INLET	510XB
79	1	0.18	141	P2	TWD	14	001	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.17	143	P2	TWD	13	001	+0.49	LTE	UTE	WAR		72	INLET	510XB
		0.39	137	P2	TWD	24	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.11	137	P2	TWD	9	002	+0.15	LTE	UTE	WAR		72	INLET	510XB
		0.42	132	P2	TWD	25	003	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.13	130	P2	TWD	10	003	+0.18	LTE	UTE	WAR		72	INLET	510XB
		0.13	147	P2	TWD	11	003	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.25	139	P2	TWD	18	004	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.06	141	P2	TWD	5	004	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.13	139	P2	TWD	10	010	-0.28	LTE	UTE	WAR		72	INLET	510XB
		0.24	133	P2	TWD	17	010	+0.72	LTE	UTE	WAR		72	INLET	510XB
		1.27	113	6	VOL		002	-0.39	002	002	WAR		71	INLET	510XP
		1.55	117	14	VOL		003	-0.33	003	003	WAR		71	INLET	510XP
79	2	0.12	143	P2	TWD	10	001	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.12	146	P2	TWD	10	003	+0.44	LTE	UTE	WAR		72	INLET	510XB
		0.13	136	P2	TWD	10	004	+0.41	LTE	UTE	WAR		72	INLET	510XB
79	12	0.10	144	P2	TWD	7	012	-0.52	LTE	UTE	WAR	4	46	INLET	510XB
79	13	0.08	152	P2	TWD	6	012	+0.18	LTE	UTE	WAR		48	INLET	510XB
79	14	0.14	136	P2	TWD	10	010	-0.52	LTE	UTE	WAR	6	46	INLET	510XB
79	15	0.09	138	P2	TWD	7	012	+0.13	LTE	UTE	WAR	0	48	INLET	510XB
79	75	0.08	113	P2	TWD	6	007	-0.62	LTE	UTE	WAR		136	INLET	510XB
79	108	0.13	149	P2	TWD	9	010	+0.08	LTE	UTE	WAR		128	INLET	510XB
79	120	0.16	121	P2	TWD	11	012	-0.62	LTE	UTE	WAR		128	INLET	510XB
		0.10	157	P2	TWD	7	011	-0.49	LTE	UTE	WAR	0	128	INLET	510XB
79	122	0.16	148	P2	TWD	11	012	+0.23	LTE	UTE	WAR		128	INLET	510XB
		0.12	133	P2	TWD	9	013	-0.47	LTE	UTE	WAR		128	INLET	510XB
79	125	0.11	141	P2	TWD	8	012	+0.26	LTE	UTE	WAR		128	INLET	510XB
79	132	0.32	132	P2	TWD	19	004	-0.25	LTE	UTE	WAR		68	INLET	510XB
		0.08	128	P2	TWD	6	005	+0.41	LTE	UTE	WAR		68	INLET	510XB
		0.20	124	P2	TWD	13	007	-0.30	LTE	UTE	WAR		68	INLET	510XB
		0.09	147	P2	TWD	6	011	+0.41	LTE	UTE	WAR		68	INLET	510XB
80	1	0.11	135	P2	TWD	9	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.12	132	P2	TWD	10	003	-0.23	LTE	UTE	WAR		72	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.08	135	P2	TWD	7	004	+0.39	LTE	UTE	WAR		72	INLET	510XB
		0.15	124	P2	TWD	12	010	+0.73	LTE	UTE	WAR		72	INLET	510XB
		0.09	134	P2	TWD	8	004	-0.28	LTE	UTE	WAR	6	72	INLET	510XB
80	3	0.14	146	P2	TWD	9	012	-0.41	LTE	UTE	WAR	4	70	INLET	510XB
80	4	0.09	142	P2	TWD	7	012	+0.36	LTE	UTE	WAR	0	72	INLET	510XB
80	5	0.25	145	P2	TWD	15	013	-0.39	LTE	UTE	WAR		70	INLET	510XB
80	8	0.15	141	P2	TWD	10	013	-0.44	LTE	UTE	WAR		46	INLET	510XB
80	10	0.09	130	P2	TWD	7	012	+0.23	LTE	UTE	WAR		46	INLET	510XB
80	86	0.09	142	P2	TWD	6	008	-0.59	LTE	UTE	WAR	4	535	INLET	510UL
80	114	0.07	106	P2	TWD	6	012	+0.10	LTE	UTE	WAR	6	130	INLET	510XB
80	117	0.09	125	P2	TWD	8	012	-0.65	LTE	UTE	WAR		130	INLET	510XB
80	118	0.18	144	P2	TWD	12	008	+0.21	LTE	UTE	WAR		128	INLET	510XB
		0.22	128	P2	TWD	14	011	-0.54	LTE	UTE	WAR		128	INLET	510XB
80	121	0.15	143	P2	TWD	12	012	-0.52	LTE	UTE	WAR		130	INLET	510XB
80	129	0.23	141	P2	TWD	14	013	+0.33	LTE	UTE	WAR		68	INLET	510XB
81	1	0.07	139	P2	TWD	6	001	-0.21	LTE	UTE	WAR		72	INLET	510XB
		0.14	137	P2	TWD	11	001	+0.46	LTE	UTE	WAR		72	INLET	510XB
		0.23	137	P2	TWD	17	002	-0.23	LTE	UTE	WAR		72	INLET	510XB
		0.26	138	P2	TWD	18	003	-0.21	LTE	UTE	WAR		72	INLET	510XB
		0.07	147	P2	TWD	6	004	-0.03	LTE	UTE	WAR		72	INLET	510XB
		0.16	141	P2	TWD	12	004	+0.39	LTE	UTE	WAR		72	INLET	510XB
		0.10	146	P2	TWD	8	006	+0.36	LTE	UTE	WAR		72	INLET	510XB
		0.14	141	P2	TWD	11	010	-0.28	LTE	UTE	WAR		72	INLET	510XB
		0.12	106	P2	TWD	10	010	+0.75	LTE	UTE	WAR		72	INLET	510XB
		0.16	135	P2	TWD	12	013	-0.31	LTE	UTE	WAR		72	INLET	510XB
81	2	0.08	131	P2	TWD	7	013	-0.34	LTE	UTE	WAR		72	INLET	510XB
81	3	0.23	143	P2	TWD	14	011	-0.33	LTE	UTE	WAR	5	70	INLET	510XB
81	4	0.14	143	P2	TWD	11	011	-0.34	LTE	UTE	WAR		72	INLET	510XB
81	5	0.07	153	P2	TWD	5	011	-0.33	LTE	UTE	WAR	5	70	INLET	510XB
81	6	0.13	155	P2	TWD	9	012	+0.34	LTE	UTE	WAR		46	INLET	510XB
		0.11	155	P2	TWD	8	013	-0.42	LTE	UTE	WAR	0	46	INLET	510XB
81	9	0.14	144	P2	TWD	11	010	-0.46	LTE	UTE	WAR		48	INLET	510XB
		0.07	154	P2	TWD	6	012	+0.21	LTE	UTE	WAR	0	48	INLET	510XB
81	10	0.28	140	P2	TWD	17	013	-0.44	LTE	UTE	WAR		46	INLET	510XB
		0.20	144	P2	TWD	13	012	-0.52	LTE	UTE	WAR	0	46	INLET	510XB
81	13	0.11	146	P2	TWD	8	010	-0.52	LTE	UTE	WAR		48	INLET	510XB
81	117	0.12	148	P2	TWD	10	011	-0.52	LTE	UTE	WAR		130	INLET	510XB
81	123	0.06	157	P2	TWD	6	013	-0.47	LTE	UTE	WAR		130	INLET	510XB
81	124	0.08	149	P2	TWD	6	012	-0.54	LTE	UTE	WAR		128	INLET	510XB
		0.15	132	P2	TWD	10	013	+0.23	LTE	UTE	WAR	0	128	INLET	510XB
81	126	0.11	146	P2	TWD	9	012	-0.49	LTE	UTE	WAR	6	130	INLET	510XB
		0.06	159	P2	TWD	6	012	+0.23	LTE	UTE	WAR	3	130	INLET	510XB
81	130	0.17	141	P2	TWD	11	013	+0.36	LTE	UTE	WAR		68	INLET	510XB
81	132	0.25	139	P2	TWD	15	005	-0.25	LTE	UTE	WAR		68	INLET	510XB
		0.13	142	P2	TWD	9	006	+0.38	LTE	UTE	WAR		68	INLET	510XB
		0.07	151	P2	TWD	5	008	-0.30	LTE	UTE	WAR		68	INLET	510XB
		0.15	146	P2	TWD	10	008	+0.38	LTE	UTE	WAR		68	INLET	510XB
		0.13	153	P2	TWD	9	011	+0.33	LTE	UTE	WAR		68	INLET	510XB
		0.09	147	P2	TWD	7	004	-0.28	LTE	UTE	WAR	0	68	INLET	510XB
		0.14	125	P2	TWD	9	005	+0.15	LTE	UTE	WAR	7	68	INLET	510XB
		0.10	122	P2	TWD	7	013	+0.41	LTE	UTE	WAR	4	68	INLET	510XB
82	1	0.27	136	P2	TWD	19	011	-0.28	LTE	UTE	WAR		72	INLET	510XB
		0.08	151	P2	TWD	7	013	+0.36	LTE	UTE	WAR		72	INLET	510XB
		0.05	141	P2	TWD	4	002	-0.26	LTE	UTE	WAR		72	INLET	510XB
82	2	0.21	137	P2	TWD	16	011	-0.28	LTE	UTE	WAR		72	INLET	510XB
82	3	0.23	140	P2	TWD	14	011	-0.33	LTE	UTE	WAR		70	INLET	510XB
82	5	0.15	151	P2	TWD	10	012	+0.28	LTE	UTE	WAR		70	INLET	510XB
82	6	0.21	139	P2	TWD	14	013	-0.39	LTE	UTE	WAR	0	46	INLET	510XB
82	9	0.15	147	P2	TWD	11	010	-0.44	LTE	UTE	WAR		48	INLET	510XB
82	10	0.14	144	P2	TWD	10	012	+0.21	LTE	UTE	WAR		46	INLET	510XB
		0.10	144	P2	TWD	7	010	-0.47	LTE	UTE	WAR	4	46	INLET	510XB
82	115	0.13	137	P2	TWD	10	011	-0.54	LTE	UTE	WAR		128	INLET	510XB
82	117	0.10	136	P2	TWD	9	013	+0.15	LTE	UTE	WAR	5	130	INLET	510XB
82	119	0.09	149	P2	TWD	7	011	-0.49	LTE	UTE	WAR		130	INLET	510XB
82	120	0.20	148	P2	TWD	13	013	-0.52	LTE	UTE	WAR		128	INLET	510XB
		0.21	140	P2	TWD	14	013	+0.20	LTE	UTE	WAR		128	INLET	510XB
82	126	0.18	146	P2	TWD	13	011	+0.31	LTE	UTE	WAR		66	INLET	510XB
		0.26	137	P2	TWD	18	012	+0.26	LTE	UTE	WAR		66	INLET	510XB
82	128	0.11	137	P2	TWD	9	013	+0.33	LTE	UTE	WAR	4	66	INLET	510XB
82	130	0.08	139	P2	TWD	6	011	-0.31	LTE	UTE	WAR		66	INLET	510XB
82	131	0.09	136	P2	TWD	6	011	-0.31	LTE	UTE	WAR		68	INLET	510XB
		0.09	152	P2	TWD	6	011	+0.39	LTE	UTE	WAR	3	68	INLET	510XB
83	1	0.09	142	P2	TWD	7	010	-0.26	LTE	UTE	WAR		72	INLET	510XB
		0.20	142	P2	TWD	15	011	+0.39	LTE	UTE	WAR		72	INLET	510XB
		0.33	135	P2	TWD	22	013	-0.31	LTE	UTE	WAR		72	INLET	510XB
		1.14	119	38	VOL		013	-0.39	013	013	WAR		71	INLET	510XP
83	2	0.07	156	P2	TWD	6	008	+0.36	LTE	UTE	WAR	0	72	INLET	510XB
83	4	0.12	146	P2	TWD	10	013	-0.36	LTE	UTE	WAR		72	INLET	510XB
83	5	0.13	137	P2	TWD	8	010	-0.39	LTE	UTE	WAR		70	INLET	510XB
83	7	0.18	145	P2	TWD	13	013	-0.39	LTE	UTE	WAR		48	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
83	9	0.23	138	P2	TWD	16	010	-0.44	LTE	UTE	WAR		48	INLET	510XB
83	11	0.13	144	P2	TWD	10	012	+0.23	LTE	UTE	WAR		48	INLET	510XB
83	67	0.08	117	P2	TWD	6	007	-0.64	LTE	UTE	WAR		144	INLET	510XB
83	75	0.09	141	P2	TWD	7	007	-0.59	LTE	UTE	WAR		144	INLET	510XB
83	115	0.13	139	P2	TWD	11	008	+0.18	LTE	UTE	WAR		130	INLET	510XB
83	118	0.16	142	P2	TWD	11	008	+0.18	LTE	UTE	WAR		128	INLET	510XB
		0.12	154	P2	TWD	8	011	+0.16	LTE	UTE	WAR		128	INLET	510XB
		0.12	151	P2	TWD	8	013	+0.15	LTE	UTE	WAR	3	128	INLET	510XB
83	119	0.24	141	P2	TWD	17	012	+0.16	LTE	UTE	WAR		130	INLET	510XB
		0.06	155	P2	TWD	6	013	+0.18	LTE	UTE	WAR		130	INLET	510XB
83	120	0.11	150	P2	TWD	8	013	+0.18	LTE	UTE	WAR	0	128	INLET	510XB
83	121	0.15	137	P2	TWD	12	012	+0.23	LTE	UTE	WAR		130	INLET	510XB
83	122	0.10	127	P2	TWD	7	012	+0.21	LTE	UTE	WAR		128	INLET	510XB
		0.18	138	P2	TWD	12	013	+0.20	LTE	UTE	WAR		128	INLET	510XB
83	128	0.09	146	P2	TWD	7	013	+0.33	LTE	UTE	WAR	0	68	INLET	510XB
83	129	0.06	150	P2	TWD	5	011	+0.36	LTE	UTE	WAR		66	INLET	510XB
83	132	0.09	137	P2	TWD	6	005	+0.40	LTE	UTE	WAR		68	INLET	510XB
		0.24	147	P2	TWD	15	013	+0.36	LTE	UTE	WAR		68	INLET	510XB
		0.09	153	P2	TWD	6	011	+0.39	LTE	UTE	WAR	0	68	INLET	510XB
84	1	0.12	143	P2	TWD	10	008	+0.36	LTE	UTE	WAR		72	INLET	510XB
84	2	0.23	139	P2	TWD	17	013	-0.34	LTE	UTE	WAR		72	INLET	510XB
84	6	0.12	149	P2	TWD	8	012	-0.44	LTE	UTE	WAR	6	46	INLET	510XB
		0.27	142	P2	TWD	17	010	-0.39	LTE	UTE	WAR	0	46	INLET	510XB
84	7	0.12	142	P2	TWD	9	012	+0.28	LTE	UTE	WAR		48	INLET	510XB
84	55	0.10	129	P2	TWD	7	007	-0.67	LTE	UTE	WAR	5	501	INLET	510UL
84	107	0.09	142	P2	TWD	7	009	+0.05	LTE	UTE	WAR	4	537	INLET	510UL
84	121	0.11	151	P2	TWD	9	013	+0.21	LTE	UTE	WAR		130	INLET	510XB
84	122	0.20	149	P2	TWD	13	013	+0.20	LTE	UTE	WAR		128	INLET	510XB
84	125	0.08	150	P2	TWD	7	013	+0.28	LTE	UTE	WAR		130	INLET	510XB
84	128	0.17	146	P2	TWD	12	011	+0.36	LTE	UTE	WAR		74	INLET	510XB
84	130	0.21	149	P2	TWD	15	013	+0.38	LTE	UTE	WAR		74	INLET	510XB
		0.10	131	P2	TWD	8	012	+0.36	LTE	UTE	WAR	0	74	INLET	510XB
85	1	0.10	146	P2	TWD	8	008	+0.34	LTE	UTE	WAR		72	INLET	510XB
85	6	0.20	144	P2	TWD	14	010	-0.44	LTE	UTE	WAR		48	INLET	510XB
85	10	0.09	147	P2	TWD	7	012	+0.21	LTE	UTE	WAR		48	INLET	510XB
85	74	0.08	138	P2	TWD	6	007	-0.64	LTE	UTE	WAR	0	591	INLET	510UL
85	114	0.13	142	P2	TWD	10	011	-0.57	LTE	UTE	WAR		130	INLET	510XB
		0.14	146	P2	TWD	12	011	+0.10	LTE	UTE	WAR		130	INLET	510XB
85	115	0.20	139	P2	TWD	13	011	+0.13	LTE	UTE	WAR		128	INLET	510XB
		0.13	144	P2	TWD	9	014	+0.13	LTE	UTE	WAR		128	INLET	510XB
85	119	0.12	138	P2	TWD	9	013	+0.18	LTE	UTE	WAR	0	128	INLET	510XB
85	121	0.11	140	P2	TWD	8	013	+0.18	LTE	UTE	WAR		128	INLET	510XB
85	122	0.18	148	P2	TWD	14	012	-0.54	LTE	UTE	WAR		130	INLET	510XB
85	124	0.11	153	P2	TWD	9	013	+0.23	LTE	UTE	WAR	4	130	INLET	510XB
		0.07	154	P2	TWD	6	011	+0.26	LTE	UTE	WAR	0	130	INLET	510XB
85	125	0.15	141	P2	TWD	11	011	+0.28	LTE	UTE	WAR		128	INLET	510XB
85	126	0.10	135	P2	TWD	8	011	+0.28	LTE	UTE	WAR	0	74	INLET	510XB
85	128	0.13	148	P2	TWD	10	011	+0.38	LTE	UTE	WAR		74	INLET	510XB
		0.14	145	P2	TWD	11	013	+0.33	LTE	UTE	WAR		74	INLET	510XB
86	1	0.07	117	P2	TWD	6	002	-0.20	LTE	UTE	WAR		72	INLET	510XB
		0.11	138	P2	TWD	9	011	-0.28	LTE	UTE	WAR		72	INLET	510XB
86	4	0.27	140	P2	TWD	19	010	-0.36	LTE	UTE	WAR		72	INLET	510XB
86	6	0.06	149	P2	TWD	5	014	+0.24	LTE	UTE	WAR		46	INLET	510XB
86	7	0.08	155	P2	TWD	7	012	+0.28	LTE	UTE	WAR		48	INLET	510XB
86	11	0.11	151	P2	TWD	8	011	-0.44	LTE	UTE	WAR	4	48	INLET	510XB
86	58	0.06	128	P2	TWD	5	008	+0.08	LTE	UTE	WAR		144	INLET	510XB
86	116	0.20	146	P2	TWD	14	011	+0.15	LTE	UTE	WAR		128	INLET	510XB
		0.10	152	P2	TWD	7	011	-0.53	LTE	UTE	WAR		128	INLET	510XB
86	119	0.18	143	P2	TWD	12	012	+0.18	LTE	UTE	WAR		128	INLET	510XB
86	121	1.75	109	38	VOL		013	+0.20	013	013	WAR		127	INLET	510XP
		0.75	132	P2	TWD	34	013	+0.20	LTE	UTE	WAR		128	INLET	510XB
		0.22	143	P2	TWD	14	014	-0.45	LTE	UTE	WAR		128	INLET	510XB
86	122	0.10	143	P2	TWD	8	013	+0.21	LTE	UTE	WAR		130	INLET	510XB
		0.17	149	P2	TWD	13	014	-0.41	LTE	UTE	WAR		130	INLET	510XB
86	127	0.18	142	P2	TWD	11	013	+0.31	LTE	UTE	WAR		76	INLET	510XB
86	128	0.07	157	P2	TWD	6	011	+0.36	LTE	UTE	WAR		74	INLET	510XB
		0.05	160	P2	TWD	4	006	+0.36	LTE	UTE	WAR		74	INLET	510XB
86	131	0.07	95	P2	TWD	5	004	-0.25	LTE	UTE	WAR		76	INLET	510XB
		0.10	143	P2	TWD	7	007	+0.38	LTE	UTE	WAR		76	INLET	510XB
		0.13	153	P2	TWD	8	008	+0.36	LTE	UTE	WAR		76	INLET	510XB
87	1	0.13	143	P2	TWD	10	011	-0.28	LTE	UTE	WAR		72	INLET	510XB
87	6	0.30	138	P2	TWD	19	013	-0.39	LTE	UTE	WAR		48	INLET	510XB
		0.06	154	P2	TWD	5	013	+0.26	LTE	UTE	WAR	0	48	INLET	510XB
		0.10	137	P2	TWD	8	011	-0.36	LTE	UTE	WAR	0	48	INLET	510XB
87	8	0.20	141	P2	TWD	14	011	-0.44	LTE	UTE	WAR		48	INLET	510XB
		0.16	142	P2	TWD	12	012	+0.26	LTE	UTE	WAR		48	INLET	510XB
87	114	0.10	146	P2	TWD	8	012	-0.67	LTE	UTE	WAR		124	INLET	510XB
87	116	0.10	143	P2	TWD	8	014	+0.10	LTE	UTE	WAR		124	INLET	510XB
		0.09	139	P2	TWD	7	011	+0.18	LTE	UTE	WAR	0	124	INLET	510XB
87	118	0.12	138	P2	TWD	9	012	+0.18	LTE	UTE	WAR		124	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
87	121	0.25	137	P2	TWD	17	013	-0.49	LTE	UTE	WAR		124	INLET	510XB
87	123	0.16	146	P2	TWD	12	012	+0.26	LTE	UTE	WAR		124	INLET	510XB
		0.19	141	P2	TWD	14	013	+0.23	LTE	UTE	WAR		124	INLET	510XB
87	125	0.18	136	P2	TWD	13	012	-0.49	LTE	UTE	WAR		124	INLET	510XB
87	126	0.12	152	P2	TWD	9	013	+0.30	LTE	UTE	WAR		74	INLET	510XB
		0.08	147	P2	TWD	6	011	+0.26	LTE	UTE	WAR	0	74	INLET	510XB
87	128	0.10	150	P2	TWD	8	011	+0.36	LTE	UTE	WAR		74	INLET	510XB
		0.18	145	P2	TWD	13	012	+0.31	LTE	UTE	WAR		74	INLET	510XB
88	1	0.08	148	P2	TWD	6	013	+0.36	LTE	UTE	WAR		72	INLET	510XB
88	4	0.30	143	P2	TWD	18	010	-0.33	LTE	UTE	WAR		70	INLET	510XB
88	6	0.10	131	P2	TWD	7	012	+0.31	LTE	UTE	WAR		46	INLET	510XB
88	80	0.13	111	P2	TWD	10	007	-0.64	LTE	UTE	WAR		110	INLET	510XB
88	116	0.15	139	P2	TWD	11	014	-0.62	LTE	UTE	WAR		124	INLET	510XB
		0.06	152	P2	TWD	5	014	+0.10	LTE	UTE	WAR		124	INLET	510XB
88	117	0.09	143	P2	TWD	8	012	+0.18	LTE	UTE	WAR		124	INLET	510XB
88	121	0.29	141	P2	TWD	19	013	+0.21	LTE	UTE	WAR		124	INLET	510XB
		0.14	144	P2	TWD	10	014	-0.52	LTE	UTE	WAR		124	INLET	510XB
		0.09	145	P2	TWD	7	014	+0.18	LTE	UTE	WAR	0	124	INLET	510XB
		0.13	143	P2	TWD	10	013	-0.50	LTE	UTE	WAR	0	124	INLET	510XB
88	123	0.13	152	P2	TWD	10	012	-0.36	LTE	UTE	WAR	4	120	INLET	510XB
88	126	1.11	111	26	VOL		013	+0.05	013	013	WAR		73	INLET	510XP
		0.14	130	P2	TWD	10	012	-0.49	LTE	UTE	WAR		74	INLET	510XB
		0.40	140	P2	TWD	24	013	+0.28	LTE	UTE	WAR		74	INLET	510XB
		0.06	158	P2	TWD	5	012	+0.28	LTE	UTE	WAR	0	74	INLET	510XB
88	128	0.95	106	26	VOL		013	+0.28	013	013	WAR		73	INLET	510XP
		0.06	156	P2	TWD	5	011	+0.38	LTE	UTE	WAR		74	INLET	510XB
		0.36	137	P2	TWD	23	013	+0.30	LTE	UTE	WAR		74	INLET	510XB
		0.08	146	P2	TWD	6	013	-0.33	LTE	UTE	WAR	0	74	INLET	510XB
88	131	0.12	153	P2	TWD	8	013	+0.35	LTE	UTE	WAR		76	INLET	510XB
		0.06	43	P2	TWD	4	008	-0.30	LTE	UTE	WAR		76	INLET	510XB
		0.06	158	P2	TWD	4	008	+0.33	LTE	UTE	WAR		76	INLET	510XB
89	4	0.15	146	P2	TWD	10	010	-0.39	LTE	UTE	WAR		70	INLET	510XB
89	8	0.12	141	P2	TWD	9	012	+0.28	LTE	UTE	WAR		48	INLET	510XB
89	14	0.15	147	P2	TWD	11	010	-0.52	LTE	UTE	WAR		48	INLET	510XB
89	122	0.10	136	P2	TWD	7	012	-0.51	LTE	UTE	WAR	6	118	INLET	510XB
89	123	0.25	145	P2	TWD	17	012	+0.26	LTE	UTE	WAR		120	INLET	510XB
		0.06	157	P2	TWD	5	009	+0.60	LTE	UTE	WAR		120	INLET	510XB
89	124	0.25	142	P2	TWD	16	012	-0.46	LTE	UTE	WAR		118	INLET	510XB
		0.32	142	P2	TWD	19	013	-0.41	LTE	UTE	WAR		118	INLET	510XB
		0.11	144	P2	TWD	8	012	+0.28	LTE	UTE	WAR	4	118	INLET	510XB
89	125	0.17	144	P2	TWD	13	011	-0.39	LTE	UTE	WAR		120	INLET	510XB
89	126	0.12	144	P2	TWD	9	011	-0.36	LTE	UTE	WAR		74	INLET	510XB
		0.10	147	P2	TWD	8	012	+0.28	LTE	UTE	WAR		74	INLET	510XB
		0.12	149	P2	TWD	9	013	+0.28	LTE	UTE	WAR	3	74	INLET	510XB
89	127	0.34	140	P2	TWD	18	013	+0.33	LTE	UTE	WAR		76	INLET	510XB
89	128	0.11	144	P2	TWD	9	012	-0.38	LTE	UTE	WAR	5	74	INLET	510XB
90	2	0.08	149	P2	TWD	5	012	+0.39	LTE	UTE	WAR	3	70	INLET	510XB
90	3	0.09	146	P2	TWD	8	010	-0.39	LTE	UTE	WAR		72	INLET	510XB
90	4	1.29	117	62	VOL		010	-0.41	010	010	WAR		69	INLET	510XP
		0.37	138	P2	TWD	20	010	-0.39	LTE	UTE	WAR		70	INLET	510XB
		0.17	148	P2	TWD	11	013	-0.36	LTE	UTE	WAR		70	INLET	510XB
		0.09	138	P2	TWD	6	010	+0.03	LTE	UTE	WAR	4	70	INLET	510XB
90	6	0.17	142	P2	TWD	12	013	-0.39	LTE	UTE	WAR		46	INLET	510XB
		0.10	149	P2	TWD	7	013	+0.26	LTE	UTE	WAR	0	46	INLET	510XB
		0.09	154	P2	TWD	6	012	+0.31	LTE	UTE	WAR	0	46	INLET	510XB
90	70	0.05	77	P2	TWD	4	007	+0.13	LTE	UTE	WAR		144	INLET	510XB
90	110	0.09	103	P2	TWD	7	011	-0.62	LTE	UTE	WAR		118	INLET	510XB
90	113	0.09	138	P2	TWD	7	011	-0.57	LTE	UTE	WAR		118	INLET	510XB
90	114	0.09	145	P2	TWD	7	011	+0.16	LTE	UTE	WAR		120	INLET	510XB
		0.13	125	P2	TWD	10	014	-0.59	LTE	UTE	WAR		120	INLET	510XB
90	119	0.21	140	P2	TWD	14	013	+0.20	LTE	UTE	WAR		118	INLET	510XB
		0.21	149	P2	TWD	14	014	-0.51	LTE	UTE	WAR		118	INLET	510XB
		0.27	145	P2	TWD	17	013	-0.49	LTE	UTE	WAR	6	118	INLET	510XB
90	122	1.10	115	98	VOL		012	+0.29	012	012	WAR		119	INLET	510XP
		0.30	140	P2	TWD	20	012	+0.29	LTE	UTE	WAR		120	INLET	510XB
90	123	1.93	79	P28	VOL		012	+0.28	012	012	WAR		117	INLET	510XP
		0.42	134	P2	TWD	24	012	+0.28	LTE	UTE	WAR		118	INLET	510XB
		0.12	143	P2	TWD	9	012	-0.56	LTE	UTE	WAR	6	118	INLET	510XB
90	124	1.36	107	134	VOL		013	+0.23	013	013	WAR		119	INLET	510XP
		0.06	150	P2	TWD	5	008	+0.34	LTE	UTE	WAR		120	INLET	510XB
		0.08	155	P2	TWD	6	010	+0.62	LTE	UTE	WAR		120	INLET	510XB
		0.60	130	P2	TWD	31	013	+0.26	LTE	UTE	WAR		120	INLET	510XB
90	127	0.07	132	P2	TWD	6	008	+0.33	LTE	UTE	WAR		74	INLET	510XB
		0.11	142	P2	TWD	9	012	-0.38	LTE	UTE	WAR	5	74	INLET	510XB
90	128	0.07	114	P2	TWD	5	011	-0.28	LTE	UTE	WAR		76	INLET	510XB
		0.20	137	P2	TWD	12	013	+0.33	LTE	UTE	WAR		76	INLET	510XB
		0.31	139	P2	TWD	17	011	+0.39	LTE	UTE	WAR	0	76	INLET	510XB
90	129	0.11	139	P2	TWD	7	011	+0.41	LTE	UTE	WAR	6	76	INLET	510XB
91	1	0.25	136	P2	TWD	18	013	-0.31	LTE	UTE	WAR		72	INLET	510XB
91	11	0.13	135	P2	TWD	9	012	-0.52	LTE	UTE	WAR		46	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
91	31	0.09	130	P2	TWD	7	006	-0.54	LTE	UTE	WAR		46	INLET	510XB
91	71	0.05	135	P2	TWD	4	008	+0.13	LTE	UTE	WAR		144	INLET	510XB
91	104	0.06	136	P2	TWD	5	009	+0.10	LTE	UTE	WAR	4	537	INLET	510UL
91	114	0.09	136	P2	TWD	7	011	-0.57	LTE	UTE	WAR		120	INLET	510XB
91	115	0.14	129	P2	TWD	11	012	-0.60	LTE	UTE	WAR		120	INLET	510XB
91	121	0.09	147	P2	TWD	7	008	+0.18	LTE	UTE	WAR		118	INLET	510XB
91	124	1.43	113	98	VOL		013	+0.28	013	013	WAR		119	INLET	510XP
		0.22	140	P2	TWD	16	012	+0.29	LTE	UTE	WAR		120	INLET	510XB
		0.38	136	P2	TWD	24	013	+0.28	LTE	UTE	WAR		120	INLET	510XB
		0.08	137	P2	TWD	7	011	-0.39	LTE	UTE	WAR	4	120	INLET	510XB
91	125	0.11	143	P2	TWD	8	011	-0.33	LTE	UTE	WAR		118	INLET	510XB
		0.28	147	P2	TWD	18	011	+0.31	LTE	UTE	WAR		118	INLET	510XB
		0.23	150	P2	TWD	15	013	-0.41	LTE	UTE	WAR		118	INLET	510XB
		0.08	148	P2	TWD	6	013	+0.25	LTE	UTE	WAR		118	INLET	510XB
		0.08	155	P2	TWD	6	012	-0.51	LTE	UTE	WAR	4	118	INLET	510XB
91	126	0.23	139	P2	TWD	16	012	-0.41	LTE	UTE	WAR		74	INLET	510XB
		0.29	143	P2	TWD	19	013	+0.28	LTE	UTE	WAR		74	INLET	510XB
		0.12	150	P2	TWD	9	013	-0.36	LTE	UTE	WAR	0	74	INLET	510XB
		0.09	147	P2	TWD	7	011	+0.33	LTE	UTE	WAR	0	74	INLET	510XB
91	127	0.13	146	P2	TWD	8	013	+0.33	LTE	UTE	WAR		76	INLET	510XB
		0.07	135	P2	TWD	5	013	-0.34	LTE	UTE	WAR	3	76	INLET	510XB
91	130	0.14	129	P2	TWD	9	010	+0.71	LTE	UTE	WAR		76	INLET	510XB
92	4	0.20	146	P2	TWD	12	010	-0.36	LTE	UTE	WAR		70	INLET	510XB
92	5	0.18	143	P2	TWD	12	010	-0.36	LTE	UTE	WAR		46	INLET	510XB
92	6	0.12	145	P2	TWD	9	013	+0.28	LTE	UTE	WAR		48	INLET	510XB
92	116	0.09	140	P2	TWD	7	011	-0.52	LTE	UTE	WAR		120	INLET	510XB
		0.12	146	P2	TWD	10	013	-0.55	LTE	UTE	WAR		120	INLET	510XB
		0.27	142	P2	TWD	19	013	+0.15	LTE	UTE	WAR		120	INLET	510XB
		0.10	137	P2	TWD	8	014	-0.57	LTE	UTE	WAR	5	120	INLET	510XB
92	117	0.26	144	P2	TWD	17	013	-0.54	LTE	UTE	WAR		118	INLET	510XB
92	124	0.23	150	P2	TWD	16	013	+0.26	LTE	UTE	WAR		120	INLET	510XB
92	125	0.07	144	P2	TWD	6	011	+0.33	LTE	UTE	WAR	0	74	INLET	510XB
92	126	0.20	136	P2	TWD	12	011	+0.38	LTE	UTE	WAR		76	INLET	510XB
		0.26	144	P2	TWD	15	013	+0.28	LTE	UTE	WAR		76	INLET	510XB
92	127	1.04	114	26	VOL		013	+0.28	013	013	WAR		73	INLET	510XP
		0.35	138	P2	TWD	22	013	+0.28	LTE	UTE	WAR		74	INLET	510XB
93	3	0.11	149	P2	TWD	8	013	+0.28	LTE	UTE	WAR		70	INLET	510XB
93	4	0.17	127	P2	TWD	12	010	-0.39	LTE	UTE	WAR		46	INLET	510XB
		0.08	142	P2	TWD	6	012	-0.36	LTE	UTE	WAR	0	46	INLET	510XB
93	6	0.19	146	P2	TWD	13	013	-0.36	LTE	UTE	WAR		46	INLET	510XB
93	118	0.11	143	P2	TWD	8	012	+0.26	LTE	UTE	WAR		118	INLET	510XB
		0.14	124	P2	TWD	10	012	-0.54	LTE	UTE	WAR	0	118	INLET	510XB
93	121	0.19	143	P2	TWD	14	012	+0.26	LTE	UTE	WAR		120	INLET	510XB
93	122	0.08	139	P2	TWD	6	013	+0.23	LTE	UTE	WAR	3	118	INLET	510XB
93	124	0.13	135	P2	TWD	9	011	+0.34	LTE	UTE	WAR	3	118	INLET	510XB
		0.07	74	P2	TWD	6	011	-0.41	LTE	UTE	WAR	4	118	INLET	510XB
93	125	1.25	109	26	VOL		013	+0.23	013	013	WAR		73	INLET	510XP
		0.09	156	P2	TWD	7	011	+0.33	LTE	UTE	WAR		74	INLET	510XB
		0.46	138	P2	TWD	26	013	+0.30	LTE	UTE	WAR		74	INLET	510XB
93	126	0.10	139	P2	TWD	7	012	-0.38	LTE	UTE	WAR		76	INLET	510XB
94	1	0.07	144	P2	TWD	6	013	+0.39	LTE	UTE	WAR		64	INLET	510XB
94	17	0.10	146	P2	TWD	7	011	-0.55	LTE	UTE	WAR	6	46	INLET	510XB
94	121	0.30	137	P2	TWD	19	012	+0.26	LTE	UTE	WAR		118	INLET	510XB
		0.10	151	P2	TWD	7	012	-0.49	LTE	UTE	WAR	5	118	INLET	510XB
94	123	0.10	146	P2	TWD	8	013	+0.25	LTE	UTE	WAR	3	118	INLET	510XB
94	124	0.21	148	P2	TWD	15	011	+0.29	LTE	UTE	WAR		120	INLET	510XB
		0.11	140	P2	TWD	9	014	+0.31	LTE	UTE	WAR		120	INLET	510XB
94	126	0.05	125	P2	TWD	4	004	+0.08	LTE	UTE	WAR		76	INLET	510XB
		0.08	144	P2	TWD	5	011	+0.38	LTE	UTE	WAR	0	76	INLET	510XB
		0.08	143	P2	TWD	5	012	-0.31	LTE	UTE	WAR	4	76	INLET	510XB
94	127	0.23	143	P2	TWD	16	011	+0.38	LTE	UTE	WAR		74	INLET	510XB
		0.21	144	P2	TWD	15	013	+0.33	LTE	UTE	WAR		74	INLET	510XB
94	129	0.23	142	P2	TWD	13	011	+0.36	LTE	UTE	WAR	0	76	INLET	510XB
95	79	0.09	147	P2	TWD	6	007	-0.70	LTE	UTE	WAR	8	531	INLET	510UL
		0.11	145	P2	TWD	7	008	-0.67	LTE	UTE	WAR	5	531	INLET	510UL
95	111	0.06	147	P2	TWD	5	011	-0.57	LTE	UTE	WAR		120	INLET	510XB
95	112	0.09	103	P2	TWD	7	011	-0.57	LTE	UTE	WAR	5	118	INLET	510XB
95	116	0.24	143	P2	TWD	16	013	-0.52	LTE	UTE	WAR		118	INLET	510XB
95	119	0.18	144	P2	TWD	13	012	-0.52	LTE	UTE	WAR		120	INLET	510XB
		0.13	143	P2	TWD	10	012	+0.21	LTE	UTE	WAR		120	INLET	510XB
95	120	1.88	80	P18	VOL		013	-0.49	013	013	WAR		117	INLET	510XP
		0.54	135	P2	TWD	28	013	-0.49	LTE	UTE	WAR		118	INLET	510XB
		0.22	143	P2	TWD	14	014	-0.49	LTE	UTE	WAR		118	INLET	510XB
95	121	0.27	142	P2	TWD	18	013	-0.44	LTE	UTE	WAR		120	INLET	510XB
95	122	0.06	155	P2	TWD	5	011	+0.31	LTE	UTE	WAR	0	118	INLET	510XB
95	123	1.51	115	134	VOL		013	+0.28	013	013	WAR		119	INLET	510XP
		0.18	134	P2	TWD	13	011	+0.29	LTE	UTE	WAR		120	INLET	510XB
		0.32	145	P2	TWD	21	013	+0.26	LTE	UTE	WAR		120	INLET	510XB
95	124	0.15	129	P2	TWD	11	013	+0.33	LTE	UTE	WAR		118	INLET	510XB
		0.07	150	P2	TWD	5	013	-0.34	LTE	UTE	WAR	3	118	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
95	125	0.11	145	P2	TWD	9	011	+0.38	LTE	UTE	WAR		74	INLET	510XB
95	126	0.13	154	P2	TWD	8	011	+0.41	LTE	UTE	WAR		76	INLET	510XB
		0.47	134	P2	TWD	23	013	+0.36	LTE	UTE	WAR		76	INLET	510XB
		1.78	113	62	VOL		013	+0.20	013	013	WAR		75	INLET	510XP
96	2	0.08	143	P2	TWD	7	013	-0.36	LTE	UTE	WAR		72	INLET	510XB
96	3	0.12	132	P2	TWD	8	013	-0.34	LTE	UTE	WAR		70	INLET	510XB
96	5	0.19	149	P2	TWD	13	014	-0.41	LTE	UTE	WAR		46	INLET	510XB
96	6	0.21	138	P2	TWD	15	013	-0.39	LTE	UTE	WAR		48	INLET	510XB
96	103	0.06	142	P2	TWD	5	013	-0.03	LTE	UTE	WAR		118	INLET	510XB
96	109	0.06	103	P2	TWD	5	012	+0.10	LTE	UTE	WAR	4	118	INLET	510XB
96	114	0.26	140	P2	TWD	17	014	-0.59	LTE	UTE	WAR	11	118	INLET	510XB
96	120	1.55	80	P18	VOL		012	-0.52	012	012	WAR		117	INLET	510XP
		0.32	139	P2	TWD	20	012	-0.47	LTE	UTE	WAR		118	INLET	510XB
96	125	0.20	139	P2	TWD	12	011	+0.38	LTE	UTE	WAR		76	INLET	510XB
		0.21	143	P2	TWD	12	013	+0.36	LTE	UTE	WAR	0	76	INLET	510XB
97	5	0.09	150	P2	TWD	6	012	+0.31	LTE	UTE	WAR		46	INLET	510XB
		0.08	153	P2	TWD	6	012	-0.47	LTE	UTE	WAR	5	46	INLET	510XB
97	86	0.05	97	P2	TWD	4	010	+0.03	LTE	UTE	WAR		98	INLET	510XB
		0.13	88	P2	TWD	9	008	-0.59	LTE	UTE	WAR	0	98	INLET	510XB
97	115	0.13	140	P2	TWD	10	012	-0.55	LTE	UTE	WAR	6	120	INLET	510XB
97	119	0.23	141	P2	TWD	17	012	+0.26	LTE	UTE	WAR		120	INLET	510XB
97	120	0.26	137	P2	TWD	17	013	+0.26	LTE	UTE	WAR		118	INLET	510XB
97	121	1.56	113	158	VOL		013	+0.28	013	013	WAR		119	INLET	510XP
		0.35	139	P2	TWD	22	013	+0.26	LTE	UTE	WAR		120	INLET	510XB
		0.10	134	P2	TWD	8	014	-0.44	LTE	UTE	WAR	0	120	INLET	510XB
		0.07	145	P2	TWD	6	014	+0.23	LTE	UTE	WAR	0	120	INLET	510XB
97	123	0.14	151	P2	TWD	11	011	+0.34	LTE	UTE	WAR		120	INLET	510XB
		0.09	150	P2	TWD	7	013	+0.28	LTE	UTE	WAR	7	120	INLET	510XB
97	124	0.15	143	P2	TWD	12	011	+0.37	LTE	UTE	WAR		130	INLET	510XB
98	6	0.24	140	P2	TWD	16	013	-0.36	LTE	UTE	WAR		48	INLET	510XB
		0.07	155	P2	TWD	5	010	-0.39	LTE	UTE	WAR	0	48	INLET	510XB
98	7	0.13	152	P2	TWD	9	014	-0.46	LTE	UTE	WAR	4	46	INLET	510XB
98	8	0.18	146	P2	TWD	13	014	-0.49	LTE	UTE	WAR		48	INLET	510XB
98	19	0.18	123	P2	TWD	12	013	-0.62	LTE	UTE	WAR		46	INLET	510XB
98	26	0.11	148	P2	TWD	8	010	+0.10	LTE	UTE	WAR		46	INLET	510XB
98	74	0.06	90	P2	TWD	5	007	+0.08	LTE	UTE	WAR		144	INLET	510XB
98	122	0.13	144	P2	TWD	9	014	+0.31	LTE	UTE	WAR		118	INLET	510XB
		0.09	146	P2	TWD	7	013	-0.39	LTE	UTE	WAR	4	118	INLET	510XB
98	125	1.98	112	122	VOL		013	+0.31	013	013	WAR		129	INLET	510XP
		0.50	132	P2	TWD	29	013	+0.36	LTE	UTE	WAR		130	INLET	510XB
98	126	0.11	135	P2	TWD	9	011	-0.29	LTE	UTE	WAR		130	INLET	510XB
98	127	1.32	116	122	VOL		013	+0.36	013	013	WAR		129	INLET	510XP
		0.30	138	P2	TWD	21	013	+0.39	LTE	UTE	WAR		130	INLET	510XB
		0.17	140	P2	TWD	13	011	-0.29	LTE	UTE	WAR	6	130	INLET	510XB
		0.09	152	P2	TWD	8	011	+0.42	LTE	UTE	WAR	0	130	INLET	510XB
99	4	0.18	144	P2	TWD	13	010	-0.36	LTE	UTE	WAR		48	INLET	510XB
99	7	0.10	148	P2	TWD	7	012	-0.49	LTE	UTE	WAR	4	46	INLET	510XB
99	10	0.15	139	P2	TWD	11	014	+0.21	LTE	UTE	WAR	13	48	INLET	510XB
99	108	0.17	124	P2	TWD	13	013	-0.63	LTE	UTE	WAR	5	120	INLET	510XB
99	119	0.24	142	P2	TWD	16	013	+0.20	LTE	UTE	WAR	9	118	INLET	510XB
99	120	0.16	147	P2	TWD	12	013	-0.42	LTE	UTE	WAR		120	INLET	510XB
		0.15	142	P2	TWD	11	013	+0.28	LTE	UTE	WAR		120	INLET	510XB
99	123	0.13	149	P2	TWD	9	013	+0.28	LTE	UTE	WAR	0	118	INLET	510XB
99	124	0.25	145	P2	TWD	18	013	-0.31	LTE	UTE	WAR		130	INLET	510XB
		0.11	148	P2	TWD	9	011	+0.37	LTE	UTE	WAR	4	130	INLET	510XB
99	125	0.09	143	P2	TWD	7	011	-0.31	LTE	UTE	WAR		130	INLET	510XB
99	126	2.13	111	122	VOL		013	+0.34	013	013	WAR		129	INLET	510XP
		0.18	138	P2	TWD	14	011	-0.26	LTE	UTE	WAR		130	INLET	510XB
		0.52	138	P2	TWD	30	013	+0.33	LTE	UTE	WAR		130	INLET	510XB
		0.09	150	P2	TWD	7	011	+0.44	LTE	UTE	WAR	2	130	INLET	510XB
100	1	0.10	147	P2	TWD	8	010	+0.67	LTE	UTE	WAR		64	INLET	510XB
		0.05	157	P2	TWD	4	008	+0.31	LTE	UTE	WAR		64	INLET	510XB
100	4	0.10	141	P2	TWD	8	012	+0.36	LTE	UTE	WAR	6	48	INLET	510XB
100	100	0.16	138	P2	TWD	11	011	+0.05	LTE	UTE	WAR		118	INLET	510XB
100	118	0.14	145	P2	TWD	11	012	-0.49	LTE	UTE	WAR		120	INLET	510XB
100	119	0.06	129	P2	TWD	5	012	+0.28	LTE	UTE	WAR	0	118	INLET	510XB
		0.17	147	P2	TWD	12	012	-0.49	LTE	UTE	WAR	7	118	INLET	510XB
		0.10	136	P2	TWD	7	013	+0.23	LTE	UTE	WAR	3	118	INLET	510XB
		0.06	158	P2	TWD	5	013	-0.46	LTE	UTE	WAR	0	118	INLET	510XB
100	122	0.32	138	P2	TWD	21	013	+0.28	LTE	UTE	WAR		120	INLET	510XB
		1.22	113	14	VOL		013	+0.28	013	013	WAR		119	INLET	510XP
100	125	0.13	144	P2	TWD	11	011	-0.29	LTE	UTE	WAR		130	INLET	510XB
		0.21	145	P2	TWD	16	011	+0.39	LTE	UTE	WAR		130	INLET	510XB
101	8	0.12	149	P2	TWD	8	013	-0.42	LTE	UTE	WAR		46	INLET	510XB
		0.10	151	P2	TWD	7	014	+0.21	LTE	UTE	WAR		46	INLET	510XB
101	15	0.10	144	P2	TWD	8	014	+0.13	LTE	UTE	WAR		48	INLET	510XB
		0.17	135	P2	TWD	13	013	-0.54	LTE	UTE	WAR	5	48	INLET	510XB
101	118	1.61	84	P19	VOL		013	-0.44	013	013	WAR		117	INLET	510XP
		0.41	138	P2	TWD	24	013	-0.44	LTE	UTE	WAR		118	INLET	510XB
101	119	0.10	144	P2	TWD	8	013	+0.23	LTE	UTE	WAR	5	120	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
101	121	0.26	142	P2	TWD	18	013	+0.31	LTE	UTE	WAR		120	INLET	510XB
		0.11	144	P2	TWD	9	011	+0.34	LTE	UTE	WAR	5	120	INLET	510XB
101	122	0.08	145	P2	TWD	6	013	+0.33	LTE	UTE	WAR	4	118	INLET	510XB
102	2	0.13	143	P2	TWD	9	011	-0.29	LTE	UTE	WAR		54	INLET	510XB
102	3	0.16	139	P2	TWD	11	010	-0.34	LTE	UTE	WAR		54	INLET	510XB
102	72	0.12	132	P2	TWD	9	007	+0.03	LTE	UTE	WAR		144	INLET	510XB
102	99	0.10	116	P2	TWD	7	011	-0.61	LTE	UTE	WAR		118	INLET	510XB
102	115	0.10	144	P2	TWD	8	011	-0.45	LTE	UTE	WAR	0	118	INLET	510XB
102	116	0.14	142	P2	TWD	11	012	+0.28	LTE	UTE	WAR		120	INLET	510XB
		0.18	147	P2	TWD	13	012	-0.48	LTE	UTE	WAR	8	120	INLET	510XB
102	121	0.19	141	P2	TWD	13	013	+0.30	LTE	UTE	WAR	5	136	INLET	510XB
103	6	0.08	139	P2	TWD	6	012	+0.34	LTE	UTE	WAR		54	INLET	510XB
103	88	0.08	147	P2	TWD	5	008	+0.10	LTE	UTE	WAR	5	531	INLET	510UL
103	107	0.12	153	P2	TWD	9	013	+0.10	LTE	UTE	WAR	3	136	INLET	510XB
103	110	0.07	142	P2	TWD	6	013	+0.18	LTE	UTE	WAR	5	116	INLET	510XB
103	117	0.38	139	P2	TWD	22	013	+0.23	LTE	UTE	WAR		136	INLET	510XB
		1.16	116	122	VOL		013	+0.23	013	013	WAR		135	INLET	510XP
103	118	0.25	139	P2	TWD	17	013	+0.26	LTE	UTE	WAR		116	INLET	510XB
		0.11	146	P2	TWD	9	012	+0.26	LTE	UTE	WAR	5	116	INLET	510XB
103	123	0.09	144	P2	TWD	8	011	-0.29	LTE	UTE	WAR		130	INLET	510XB
103	124	0.10	146	P2	TWD	8	008	+0.39	LTE	UTE	WAR		130	INLET	510XB
104	4	0.14	143	P2	TWD	10	011	-0.29	LTE	UTE	WAR		54	INLET	510XB
104	99	0.04	154	P2	TWD	3	008	+0.13	LTE	UTE	WAR		114	INLET	510XB
104	122	0.10	149	P2	TWD	9	011	-0.31	LTE	UTE	WAR	0	130	INLET	510XB
104	123	0.06	146	P2	TWD	5	011	-0.31	LTE	UTE	WAR		130	INLET	510XB
105	3	0.15	141	P2	TWD	11	011	-0.31	LTE	UTE	WAR		54	INLET	510XB
105	5	0.08	118	P2	TWD	6	013	-0.37	LTE	UTE	WAR	0	54	INLET	510XB
105	13	0.09	144	P2	TWD	8	012	+0.18	LTE	UTE	WAR		56	INLET	510XB
105	107	0.12	148	P2	TWD	9	012	+0.13	LTE	UTE	WAR		114	INLET	510XB
105	113	0.29	144	P2	TWD	18	013	+0.20	LTE	UTE	WAR		114	INLET	510XB
		0.26	141	P2	TWD	17	014	-0.50	LTE	UTE	WAR		114	INLET	510XB
		0.10	143	P2	TWD	7	014	+0.26	LTE	UTE	WAR	4	114	INLET	510XB
105	114	0.15	151	P2	TWD	12	012	+0.23	LTE	UTE	WAR		116	INLET	510XB
		0.18	145	P2	TWD	14	013	-0.46	LTE	UTE	WAR		116	INLET	510XB
		0.09	138	P2	TWD	7	014	-0.48	LTE	UTE	WAR	5	116	INLET	510XB
105	117	0.14	149	P2	TWD	10	013	+0.25	LTE	UTE	WAR	5	136	INLET	510XB
105	122	0.08	155	P2	TWD	7	008	+0.36	LTE	UTE	WAR		130	INLET	510XB
106	3	0.07	128	P2	TWD	6	012	-0.39	LTE	UTE	WAR	4	56	INLET	510XB
106	7	0.21	139	P2	TWD	15	013	-0.39	LTE	UTE	WAR		56	INLET	510XB
106	10	0.11	153	P2	TWD	8	013	-0.44	LTE	UTE	WAR	0	54	INLET	510XB
106	93	0.14	131	P2	TWD	10	008	-0.56	LTE	UTE	WAR	0	529	INLET	510UL
106	101	0.09	152	P2	TWD	7	012	+0.08	LTE	UTE	WAR		114	INLET	510XB
106	111	0.20	138	P2	TWD	15	012	+0.21	LTE	UTE	WAR		108	INLET	510XB
106	119	0.08	125	P2	TWD	7	013	+0.26	LTE	UTE	WAR	4	108	INLET	510XB
107	1	0.10	141	P2	TWD	7	013	-0.29	LTE	UTE	WAR	4	54	INLET	510XB
107	5	0.18	152	P2	TWD	12	014	-0.44	LTE	UTE	WAR		54	INLET	510XB
107	11	0.08	135	P2	TWD	6	013	+0.18	LTE	UTE	WAR	0	54	INLET	510XB
107	108	0.08	150	P2	TWD	7	011	+0.18	LTE	UTE	WAR	2	108	INLET	510XB
107	110	0.91	114	158	VOL		013	+0.13	013	013	WAR		107	INLET	510XP
		0.30	142	P2	TWD	20	013	+0.21	LTE	UTE	WAR		108	INLET	510XB
		0.11	144	P2	TWD	9	011	+0.26	LTE	UTE	WAR	0	108	INLET	510XB
107	112	0.17	147	P2	TWD	13	013	-0.47	LTE	UTE	WAR		108	INLET	510XB
107	117	0.10	142	P2	TWD	8	013	+0.29	LTE	UTE	WAR	5	108	INLET	510XB
108	1	0.10	150	P2	TWD	7	013	-0.26	LTE	UTE	WAR	4	54	INLET	510XB
108	3	0.12	146	P2	TWD	10	013	-0.31	LTE	UTE	WAR		56	INLET	510XB
108	6	0.15	150	P2	TWD	11	013	-0.36	LTE	UTE	WAR		54	INLET	510XB
108	20	0.07	113	P2	TWD	5	012	+0.13	LTE	UTE	WAR	0	54	INLET	510XB
108	82	0.08	122	P2	TWD	7	008	+0.05	LTE	UTE	WAR	4	527	INLET	510UL
108	92	0.04	155	P2	TWD	3	008	+0.15	LTE	UTE	WAR		98	INLET	510XB
108	93	0.07	151	P2	TWD	6	010	+0.10	LTE	UTE	WAR	4	537	INLET	510UL
108	105	0.07	140	P2	TWD	6	014	+0.13	LTE	UTE	WAR	6	108	INLET	510XB
109	96	0.07	139	P2	TWD	6	015	-0.03	LTE	UTE	WAR		108	INLET	510XB
109	110	0.09	130	P2	TWD	7	012	+0.24	LTE	UTE	WAR		108	INLET	510XB
109	112	0.09	143	P2	TWD	7	013	+0.23	LTE	UTE	WAR		108	INLET	510XB
		0.13	143	P2	TWD	10	014	-0.44	LTE	UTE	WAR	7	108	INLET	510XB
109	114	0.08	136	P2	TWD	7	013	+0.29	LTE	UTE	WAR	0	108	INLET	510XB
109	115	0.12	144	P2	TWD	10	013	+0.26	LTE	UTE	WAR		108	INLET	510XB
110	4	0.13	150	P2	TWD	9	013	-0.34	LTE	UTE	WAR	0	54	INLET	510XB
110	7	0.05	148	P2	TWD	5	010	-0.10	LTE	UTE	WAR	0	56	INLET	510XB
110	101	0.10	86	P2	TWD	8	012	-0.60	LTE	UTE	WAR		108	INLET	510XB
110	108	0.14	143	P2	TWD	10	014	-0.53	LTE	UTE	WAR		136	INLET	510XB
		0.26	143	P2	TWD	17	013	+0.18	LTE	UTE	WAR		136	INLET	510XB
110	110	0.13	150	P2	TWD	10	013	-0.46	LTE	UTE	WAR		136	INLET	510XB
111	80	0.06	148	P2	TWD	5	008	+0.05	LTE	UTE	WAR	3	527	INLET	510UL
111	90	0.06	130	P2	TWD	5	008	+0.15	LTE	UTE	WAR		98	INLET	510XB
111	92	0.09	120	P2	TWD	6	011	-0.64	LTE	UTE	WAR	4	106	INLET	510XB
		0.10	86	P2	TWD	7	011	-0.08	LTE	UTE	WAR		106	INLET	510XB
111	97	0.08	142	P2	TWD	7	011	+0.13	LTE	UTE	WAR	5	108	INLET	510XB
111	100	0.12	138	P2	TWD	8	011	-0.56	LTE	UTE	WAR	0	106	INLET	510XB
111	104	0.16	149	P2	TWD	11	008	+0.23	LTE	UTE	WAR	6	106	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.19	149	P2	TWD	12	011	+0.23	LTE	UTE	WAR	4	106	INLET	510XB
111	108	0.10	146	P2	TWD	8	012	+0.21	LTE	UTE	WAR	5	136	INLET	510XB
112	6	0.08	139	P2	TWD	6	012	-0.44	LTE	UTE	WAR	0	56	INLET	510XB
112	10	0.08	135	P2	TWD	7	012	-0.52	LTE	UTE	WAR		56	INLET	510XB
112	11	0.11	156	P2	TWD	8	013	-0.44	LTE	UTE	WAR	0	54	INLET	510XB
112	24	0.09	92	P2	TWD	8	014	-0.66	LTE	UTE	WAR		56	INLET	510XB
		0.08	153	P2	TWD	7	014	+0.03	LTE	UTE	WAR	4	56	INLET	510XB
112	96	0.11	127	P2	TWD	7	012	-0.61	LTE	UTE	WAR	6	106	INLET	510XB
112	102	3.66	55	3	VOL		013	-0.59	013	013	WAR		105	INLET	510XP
		0.65	136	P2	TWD	30	013	-0.54	LTE	UTE	WAR		106	INLET	510XB
		0.10	132	P2	TWD	7	012	-0.64	LTE	UTE	WAR	6	106	INLET	510XB
112	104	0.11	146	P2	TWD	7	012	+0.20	LTE	UTE	WAR		106	INLET	510XB
		0.29	145	P2	TWD	17	013	-0.51	LTE	UTE	WAR		106	INLET	510XB
112	105	0.21	142	P2	TWD	15	013	-0.50	LTE	UTE	WAR		108	INLET	510XB
		0.11	154	P2	TWD	9	014	-0.57	LTE	UTE	WAR		108	INLET	510XB
112	117	0.10	146	P2	TWD	8	013	-0.31	LTE	UTE	WAR	6	108	INLET	510XB
113	2	0.08	146	P2	TWD	6	013	-0.29	LTE	UTE	WAR	0	56	INLET	510XB
113	5	0.09	143	P2	TWD	6	013	-0.36	LTE	UTE	WAR	4	54	INLET	510XB
113	7	0.21	145	P2	TWD	14	012	-0.42	LTE	UTE	WAR		54	INLET	510XB
113	9	0.16	145	P2	TWD	11	011	-0.39	LTE	UTE	WAR		54	INLET	510XB
113	20	0.06	145	P2	TWD	5	010	+0.23	LTE	UTE	WAR	3	56	INLET	510XB
113	74	0.07	129	P2	TWD	6	010	+0.08	LTE	UTE	WAR	2	527	INLET	510UL
113	77	0.08	144	P2	TWD	7	013	-0.78	LTE	UTE	WAR	6	525	INLET	510UL
113	97	0.12	150	P2	TWD	10	014	+0.05	LTE	UTE	WAR	0	104	INLET	510XB
113	103	0.12	135	P2	TWD	10	014	-0.53	LTE	UTE	WAR	6	104	INLET	510XB
113	104	0.19	151	P2	TWD	12	013	-0.49	LTE	UTE	WAR		102	INLET	510XB
		0.24	151	P2	TWD	15	013	+0.15	LTE	UTE	WAR		102	INLET	510XB
113	105	0.15	142	P2	TWD	12	013	-0.46	LTE	UTE	WAR		104	INLET	510XB
113	111	0.07	148	P2	TWD	5	013	-0.43	LTE	UTE	WAR	5	106	INLET	510XB
114	3	0.08	141	P2	TWD	7	011	-0.29	LTE	UTE	WAR		56	INLET	510XB
114	65	0.10	75	P2	TWD	7	004	-0.54	LTE	UTE	WAR		98	INLET	510XB
		0.11	137	P2	TWD	7	006	+0.20	LTE	UTE	WAR		98	INLET	510XB
		0.12	137	P2	TWD	8	008	-0.59	LTE	UTE	WAR		98	INLET	510XB
		0.10	100	P2	TWD	7	007	+0.13	LTE	UTE	WAR		98	INLET	510XB
		0.06	113	P2	TWD	5	010	+0.05	LTE	UTE	WAR		98	INLET	510XB
114	72	0.07	110	P2	TWD	5	010	+0.08	LTE	UTE	WAR	3	527	INLET	510UL
114	93	0.09	120	P2	TWD	6	013	-0.62	LTE	UTE	WAR	0	537	INLET	510UL
114	103	0.20	149	P2	TWD	13	013	+0.18	LTE	UTE	WAR		102	INLET	510XB
		0.07	156	P2	TWD	5	011	+0.15	LTE	UTE	WAR	3	102	INLET	510XB
114	107	0.08	147	P2	TWD	6	013	-0.44	LTE	UTE	WAR		102	INLET	510XB
		0.07	156	P2	TWD	5	014	+0.21	LTE	UTE	WAR		102	INLET	510XB
		0.07	135	P2	TWD	5	014	-0.49	LTE	UTE	WAR	0	102	INLET	510XB
114	108	0.22	145	P2	TWD	17	013	+0.18	LTE	UTE	WAR		104	INLET	510XB
114	109	0.08	141	P2	TWD	6	014	-0.41	LTE	UTE	WAR		102	INLET	510XB
114	115	0.09	149	P2	TWD	6	002	+0.43	LTE	UTE	WAR	5	102	INLET	510XB
115	10	0.10	147	P2	TWD	8	012	-0.47	LTE	UTE	WAR		56	INLET	510XB
115	103	0.20	147	P2	TWD	13	013	+0.20	LTE	UTE	WAR		102	INLET	510XB
		0.22	149	P2	TWD	14	014	-0.51	LTE	UTE	WAR		102	INLET	510XB
115	105	0.13	136	P2	TWD	9	014	+0.23	LTE	UTE	WAR		102	INLET	510XB
115	109	0.13	146	P2	TWD	9	013	+0.23	LTE	UTE	WAR		102	INLET	510XB
115	114	0.14	135	P2	TWD	9	002	-0.25	LTE	UTE	WAR		102	INLET	510XB
		0.12	139	P2	TWD	8	002	+0.15	LTE	UTE	WAR		102	INLET	510XB
116	10	0.07	152	P2	TWD	6	013	-0.44	LTE	UTE	WAR		110	INLET	510XB
116	14	0.10	141	P2	TWD	8	012	-0.54	LTE	UTE	WAR		56	INLET	510XB
116	79	0.07	118	P2	TWD	5	010	+0.10	LTE	UTE	WAR	2	527	INLET	510UL
116	86	0.22	142	P2	TWD	14	014	-0.69	LTE	UTE	WAR		98	INLET	510XB
116	87	0.06	141	P2	TWD	5	010	+0.16	LTE	UTE	WAR	0	527	INLET	510UL
116	90	0.08	137	P2	TWD	8	013	-0.62	LTE	UTE	WAR		104	INLET	510XB
116	99	0.14	135	P2	TWD	10	014	+0.15	LTE	UTE	WAR		102	INLET	510XB
116	100	0.07	143	P2	TWD	7	012	-0.50	LTE	UTE	WAR	0	104	INLET	510XB
116	101	0.13	149	P2	TWD	9	011	-0.45	LTE	UTE	WAR	0	102	INLET	510XB
116	106	0.13	147	P2	TWD	11	013	-0.38	LTE	UTE	WAR		104	INLET	510XB
116	107	0.11	149	P2	TWD	8	014	-0.43	LTE	UTE	WAR		102	INLET	510XB
116	108	0.15	147	P2	TWD	13	013	-0.38	LTE	UTE	WAR		104	INLET	510XB
116	112	0.08	152	P2	TWD	6	008	+0.35	LTE	UTE	WAR		136	INLET	510XB
		0.16	145	P2	TWD	11	011	+0.41	LTE	UTE	WAR		136	INLET	510XB
		0.09	117	P2	TWD	7	013	-0.36	LTE	UTE	WAR		136	INLET	510XB
117	12	0.10	152	P2	TWD	8	013	-0.44	LTE	UTE	WAR		64	INLET	510XB
117	70	0.11	143	P2	TWD	8	008	-0.57	LTE	UTE	WAR	0	527	INLET	510UL
117	73	0.26	137	P2	TWD	18	008	-0.54	LTE	UTE	WAR	7	525	INLET	510UL
117	101	0.06	149	P2	TWD	6	013	+0.20	LTE	UTE	WAR	0	104	INLET	510XB
117	104	0.17	153	P2	TWD	11	013	+0.23	LTE	UTE	WAR		102	INLET	510XB
117	108	0.31	146	P2	TWD	18	013	-0.38	LTE	UTE	WAR		102	INLET	510XB
118	3	0.16	141	P2	TWD	11	013	-0.34	LTE	UTE	WAR		62	INLET	510XB
118	4	0.11	127	P2	TWD	9	013	-0.34	LTE	UTE	WAR		64	INLET	510XB
118	6	0.06	136	P2	TWD	5	010	+0.29	LTE	UTE	WAR	3	64	INLET	510XB
118	10	0.09	150	P2	TWD	7	011	+0.26	LTE	UTE	WAR		64	INLET	510XB
118	16	0.12	147	P2	TWD	10	013	-0.52	LTE	UTE	WAR		64	INLET	510XB
		0.14	140	P2	TWD	11	014	-0.56	LTE	UTE	WAR		64	INLET	510XB
118	67	0.07	86	P2	TWD	5	010	+0.05	LTE	UTE	WAR	4	527	INLET	510UL

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
118	97	0.20	144	P2	TWD	13	013	+0.20	LTE	UTE	WAR		102	INLET	510XB
118	99	0.08	146	P2	TWD	6	013	+0.20	LTE	UTE	WAR	4	102	INLET	510XB
118	101	0.10	151	P2	TWD	7	013	+0.08	LTE	UTE	WAR		102	INLET	510XB
119	1	0.06	133	P2	TWD	5	013	-0.31	LTE	UTE	WAR		62	INLET	510XB
119	5	0.15	140	P2	TWD	10	014	-0.41	LTE	UTE	WAR		62	INLET	510XB
119	14	0.08	152	P2	TWD	6	012	-0.49	LTE	UTE	WAR	0	64	INLET	510XB
119	58	0.09	145	P2	TWD	7	013	-0.75	LTE	UTE	WAR	5	525	INLET	510UL
119	69	0.11	144	P2	TWD	7	010	+0.10	LTE	UTE	WAR		98	INLET	510XB
119	91	0.12	144	P2	TWD	8	014	+0.13	LTE	UTE	WAR		102	INLET	510XB
119	92	0.11	131	P2	TWD	10	013	-0.54	LTE	UTE	WAR		104	INLET	510XB
120	3	0.09	138	P2	TWD	7	013	-0.31	LTE	UTE	WAR		64	INLET	510XB
120	4	0.22	141	P2	TWD	15	013	-0.34	LTE	UTE	WAR		62	INLET	510XB
120	6	0.12	142	P2	TWD	9	010	+0.34	LTE	UTE	WAR	3	62	INLET	510XB
120	7	0.14	141	P2	TWD	11	013	-0.36	LTE	UTE	WAR		64	INLET	510XB
120	8	0.09	153	P2	TWD	6	012	+0.36	LTE	UTE	WAR		62	INLET	510XB
120	72	0.11	127	P2	TWD	9	013	-0.68	LTE	UTE	WAR	6	523	INLET	510UL
120	94	0.11	139	P2	TWD	10	013	+0.18	LTE	UTE	WAR		104	INLET	510XB
120	96	0.11	136	P2	TWD	10	012	+0.23	LTE	UTE	WAR		104	INLET	510XB
120	97	0.13	154	P2	TWD	9	014	-0.49	LTE	UTE	WAR	0	102	INLET	510XB
120	98	0.11	152	P2	TWD	10	013	-0.46	LTE	UTE	WAR	0	104	INLET	510XB
120	100	0.10	153	P2	TWD	9	014	-0.41	LTE	UTE	WAR		104	INLET	510XB
121	1	0.25	145	P2	TWD	16	013	-0.29	LTE	UTE	WAR		62	INLET	510XB
121	2	0.18	142	P2	TWD	13	013	-0.31	LTE	UTE	WAR		64	INLET	510XB
121	6	0.17	137	P2	TWD	12	010	+0.31	LTE	UTE	WAR	0	64	INLET	510XB
121	7	0.09	130	P2	TWD	6	010	+0.26	LTE	UTE	WAR		62	INLET	510XB
		0.18	148	P2	TWD	13	013	-0.39	LTE	UTE	WAR		62	INLET	510XB
121	20	0.10	139	P2	TWD	8	014	+0.03	LTE	UTE	WAR		64	INLET	510XB
121	73	0.08	0	P2	TWD	4	013	-0.68	LTE	UTE	WAR	5	521	INLET	510XB
121	74	0.09	149	P2	TWD	7	013	+0.00	LTE	UTE	WAR		98	INLET	510XB
121	76	0.12	134	P2	TWD	9	011	-0.62	LTE	UTE	WAR	0	523	INLET	510UL
121	78	0.08	153	P2	TWD	6	014	+0.00	LTE	UTE	WAR		98	INLET	510XB
121	79	0.10	0	P2	TWD	5	013	-0.67	LTE	UTE	WAR	9	521	INLET	510XB
121	97	0.28	136	P2	TWD	20	012	+0.26	LTE	UTE	WAR		104	INLET	510XB
		1.62	115	P28	VOL		012	+0.23	012	012	WAR		103	INLET	510XP
121	100	0.18	151	P2	TWD	12	014	-0.41	LTE	UTE	WAR		102	INLET	510XB
121	104	0.09	147	P2	TWD	6	013	+0.28	LTE	UTE	WAR	0	102	INLET	510XB
122	6	0.06	150	P2	TWD	5	014	-0.39	LTE	UTE	WAR	3	64	INLET	510XB
122	19	0.18	142	P2	TWD	12	014	-0.54	LTE	UTE	WAR		62	INLET	510XB
122	79	0.18	141	P2	TWD	12	013	+0.03	LTE	UTE	WAR		98	INLET	510XB
		0.20	117	P2	TWD	13	014	-0.69	LTE	UTE	WAR		98	INLET	510XB
		0.08	147	P2	TWD	6	014	+0.03	LTE	UTE	WAR	4	98	INLET	510XB
122	94	0.11	152	P2	TWD	9	014	-0.48	LTE	UTE	WAR	0	104	INLET	510XB
122	95	0.12	130	P2	TWD	8	013	+0.26	LTE	UTE	WAR		102	INLET	510XB
		0.09	134	P2	TWD	7	014	+0.23	LTE	UTE	WAR	0	102	INLET	510XB
122	99	0.07	152	P2	TWD	5	014	-0.41	LTE	UTE	WAR		102	INLET	510XB
122	103	0.10	125	P2	TWD	7	011	-0.31	LTE	UTE	WAR		102	INLET	510XB
122	105	0.14	122	P2	TWD	9	008	+0.36	LTE	UTE	WAR		102	INLET	510XB
123	9	0.21	146	P2	TWD	14	013	-0.42	LTE	UTE	WAR		62	INLET	510XB
123	64	0.07	126	P2	TWD	5	010	+0.10	LTE	UTE	WAR		98	INLET	510XB
123	77	0.11	125	P2	TWD	8	013	-0.65	LTE	UTE	WAR		98	INLET	510XB
123	79	0.08	140	P2	TWD	7	011	-0.56	LTE	UTE	WAR	4	100	INLET	510XB
123	96	0.10	142	P2	TWD	9	014	-0.46	LTE	UTE	WAR		104	INLET	510XB
123	100	0.14	137	P2	TWD	12	013	+0.28	LTE	UTE	WAR		104	INLET	510XB
123	103	0.11	142	P2	TWD	8	011	-0.31	LTE	UTE	WAR		102	INLET	510XB
124	6	0.07	156	P2	TWD	6	013	-0.36	LTE	UTE	WAR		64	INLET	510XB
124	7	0.07	151	P2	TWD	5	013	-0.39	LTE	UTE	WAR	0	62	INLET	510XB
124	10	0.14	150	P2	TWD	11	014	-0.46	LTE	UTE	WAR		64	INLET	510XB
124	44	0.10	91	P2	TWD	9	013	-0.65	LTE	UTE	WAR	5	519	INLET	510UL
124	59	0.13	130	P2	TWD	11	014	+0.00	LTE	UTE	WAR		100	INLET	510XB
124	60	0.08	143	P2	TWD	6	010	+0.10	LTE	UTE	WAR		98	INLET	510XB
124	86	0.12	155	P2	TWD	10	013	-0.51	LTE	UTE	WAR		104	INLET	510XB
124	88	0.09	134	P2	TWD	8	014	+0.23	LTE	UTE	WAR	0	104	INLET	510XB
124	92	0.16	144	P2	TWD	13	012	+0.26	LTE	UTE	WAR		104	INLET	510XB
		0.06	156	P2	TWD	5	012	-0.41	LTE	UTE	WAR	4	104	INLET	510XB
124	96	0.06	152	P2	TWD	6	010	-0.43	LTE	UTE	WAR		104	INLET	510XB
125	5	0.12	146	P2	TWD	9	012	+0.34	LTE	UTE	WAR		62	INLET	510XB
125	8	0.11	147	P2	TWD	9	014	+0.26	LTE	UTE	WAR		64	INLET	510XB
		0.14	141	P2	TWD	11	013	-0.36	LTE	UTE	WAR	0	64	INLET	510XB
125	12	0.08	151	P2	TWD	7	013	+0.26	LTE	UTE	WAR	3	64	INLET	510XB
125	66	0.09	151	P2	TWD	6	014	+0.03	LTE	UTE	WAR		98	INLET	510XB
125	69	0.15	130	P2	TWD	10	013	-0.65	LTE	UTE	WAR		98	INLET	510XB
		0.07	151	P2	TWD	5	013	+0.03	LTE	UTE	WAR		98	INLET	510XB
125	86	0.05	153	P2	TWD	5	013	-0.54	LTE	UTE	WAR		104	INLET	510XB
125	89	0.14	138	P2	TWD	9	011	+0.26	LTE	UTE	WAR	0	102	INLET	510XB
		0.09	153	P2	TWD	6	014	+0.21	LTE	UTE	WAR	0	102	INLET	510XB
125	91	0.08	152	P2	TWD	6	013	-0.41	LTE	UTE	WAR		102	INLET	510XB
125	93	0.10	138	P2	TWD	7	012	-0.49	LTE	UTE	WAR		102	INLET	510XB
		0.18	141	P2	TWD	12	012	+0.34	LTE	UTE	WAR		102	INLET	510XB
		0.07	152	P2	TWD	5	014	-0.44	LTE	UTE	WAR		102	INLET	510XB
126	2	0.19	140	P2	TWD	13	013	-0.29	LTE	UTE	WAR		62	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
126	3	0.06	151	P2	TWD	5	013	-0.34	LTE	UTE	WAR	0	64	INLET	510XB
126	32	0.13	107	P2	TWD	10	013	-0.57	LTE	UTE	WAR	6	519	INLET	510UL
126	38	0.13	142	P2	TWD	9	014	+0.00	LTE	UTE	WAR		78	INLET	510XB
126	42	0.12	128	P2	TWD	8	013	-0.67	LTE	UTE	WAR		78	INLET	510XB
126	58	0.11	127	P2	TWD	8	013	-0.68	LTE	UTE	WAR		98	INLET	510XB
126	60	0.09	143	P2	TWD	6	010	+0.10	LTE	UTE	WAR		98	INLET	510XB
126	82	0.10	154	P2	TWD	7	014	+0.13	LTE	UTE	WAR	4	98	INLET	510XB
126	94	0.08	147	P2	TWD	7	013	+0.25	LTE	UTE	WAR	5	104	INLET	510XB
126	97	0.08	143	P2	TWD	6	013	-0.31	LTE	UTE	WAR		102	INLET	510XB
127	9	0.12	154	P2	TWD	8	012	+0.34	LTE	UTE	WAR	8	62	INLET	510XB
127	25	0.05	144	P2	TWD	5	013	+0.13	LTE	UTE	WAR	4	80	INLET	510XB
		0.06	120	P2	TWD	5	014	+0.03	LTE	UTE	WAR	3	80	INLET	510XB
127	69	0.08	0	P2	TWD	4	007	-0.53	LTE	UTE	WAR	4	521	INLET	510XB
127	83	0.13	138	P2	TWD	11	012	-0.54	LTE	UTE	WAR	5	104	INLET	510XB
127	85	0.06	108	P2	TWD	6	008	-0.48	LTE	UTE	WAR	0	104	INLET	510XB
127	86	0.16	148	P2	TWD	11	014	-0.49	LTE	UTE	WAR		102	INLET	510XB
127	87	0.22	133	P2	TWD	17	014	-0.48	LTE	UTE	WAR		104	INLET	510XB
127	88	0.13	152	P2	TWD	9	013	-0.41	LTE	UTE	WAR		102	INLET	510XB
		0.10	150	P2	TWD	7	014	-0.46	LTE	UTE	WAR		102	INLET	510XB
127	91	0.07	147	P2	TWD	6	012	-0.46	LTE	UTE	WAR	0	104	INLET	510XB
127	92	0.32	144	P2	TWD	19	013	-0.36	LTE	UTE	WAR		102	INLET	510XB
127	94	0.09	157	P2	TWD	6	012	-0.41	LTE	UTE	WAR		102	INLET	510XB
128	9	0.06	150	P2	TWD	5	012	+0.29	LTE	UTE	WAR	0	64	INLET	510XB
128	10	0.11	148	P2	TWD	8	013	-0.42	LTE	UTE	WAR		62	INLET	510XB
		0.12	150	P2	TWD	8	014	-0.44	LTE	UTE	WAR		62	INLET	510XB
128	64	0.14	155	P2	TWD	10	014	+0.00	LTE	UTE	WAR		98	INLET	510XB
		0.10	161	P2	TWD	7	013	+0.05	LTE	UTE	WAR		98	INLET	510XB
128	86	0.11	145	P2	TWD	10	013	-0.44	LTE	UTE	WAR		104	INLET	510XB
		0.11	156	P2	TWD	10	013	+0.23	LTE	UTE	WAR	4	104	INLET	510XB
128	87	3.00	82	P5	VOL		012	-0.49	012	012	WAR		101	INLET	510XP
		0.68	135	P2	TWD	31	012	-0.49	LTE	UTE	WAR		102	INLET	510XB
		0.09	153	P2	TWD	7	013	-0.44	LTE	UTE	WAR	0	102	INLET	510XB
		0.09	148	P2	TWD	6	013	+0.15	LTE	UTE	WAR	3	102	INLET	510XB
128	92	0.08	138	P2	TWD	7	012	-0.38	LTE	UTE	WAR	0	104	INLET	510XB
128	95	0.10	133	P2	TWD	7	010	+0.69	LTE	UTE	WAR		102	INLET	510XB
		0.19	139	P2	TWD	12	011	-0.28	LTE	UTE	WAR		102	INLET	510XB
		0.15	147	P2	TWD	10	011	+0.39	LTE	UTE	WAR		102	INLET	510XB
129	8	0.09	139	P2	TWD	7	014	+0.26	LTE	UTE	WAR	0	64	INLET	510XB
129	14	0.13	139	P2	TWD	10	013	+0.23	LTE	UTE	WAR		64	INLET	510XB
		0.05	155	P2	TWD	4	013	-0.44	LTE	UTE	WAR		64	INLET	510XB
129	51	0.10	124	P2	TWD	5	011	-0.61	LTE	UTE	WAR	4	521	INLET	510XB
129	52	0.09	128	P2	TWD	6	013	-0.65	LTE	UTE	WAR		98	INLET	510XB
129	56	0.10	118	P2	TWD	9	013	-0.62	LTE	UTE	WAR		100	INLET	510XB
129	57	0.09	157	P2	TWD	6	014	+0.03	LTE	UTE	WAR		98	INLET	510XB
129	65	0.08	148	P2	TWD	7	010	+0.18	LTE	UTE	WAR		100	INLET	510XB
129	70	0.06	160	P2	TWD	4	014	+0.05	LTE	UTE	WAR		98	INLET	510XB
129	74	0.13	138	P2	TWD	9	011	-0.52	LTE	UTE	WAR		98	INLET	510XB
129	83	0.07	153	P2	TWD	6	012	+0.26	LTE	UTE	WAR	0	104	INLET	510XB
129	85	0.19	147	P2	TWD	15	014	-0.43	LTE	UTE	WAR		104	INLET	510XB
		0.11	150	P2	TWD	10	014	+0.26	LTE	UTE	WAR		104	INLET	510XB
129	94	0.10	142	P2	TWD	7	011	-0.28	LTE	UTE	WAR		102	INLET	510XB
		0.20	148	P2	TWD	13	011	+0.41	LTE	UTE	WAR		102	INLET	510XB
		0.08	137	P2	TWD	6	013	-0.31	LTE	UTE	WAR		102	INLET	510XB
130	7	0.12	139	P2	TWD	9	013	-0.39	LTE	UTE	WAR	0	62	INLET	510XB
130	8	0.08	148	P2	TWD	7	014	-0.41	LTE	UTE	WAR		64	INLET	510XB
		0.06	132	P2	TWD	5	013	-0.36	LTE	UTE	WAR	0	64	INLET	510XB
130	51	0.08	120	P2	TWD	6	011	-0.56	LTE	UTE	WAR	6	523	INLET	510UL
130	57	0.10	81	P2	TWD	7	012	-0.59	LTE	UTE	WAR		98	INLET	510XB
		0.11	127	P2	TWD	8	014	-0.64	LTE	UTE	WAR		98	INLET	510XB
		0.04	155	P2	TWD	3	013	+0.10	LTE	UTE	WAR		98	INLET	510XB
130	86	0.12	146	P2	TWD	10	014	-0.43	LTE	UTE	WAR		100	INLET	510XB
130	87	0.11	149	P2	TWD	8	013	-0.36	LTE	UTE	WAR		98	INLET	510XB
		0.14	141	P2	TWD	10	014	+0.34	LTE	UTE	WAR		98	INLET	510XB
130	88	0.07	160	P2	TWD	7	010	-0.38	LTE	UTE	WAR	5	100	INLET	510XB
130	92	0.05	151	P2	TWD	5	008	+0.36	LTE	UTE	WAR		100	INLET	510XB
		0.14	149	P2	TWD	12	011	+0.43	LTE	UTE	WAR	4	100	INLET	510XB
130	93	0.17	145	P2	TWD	11	011	-0.26	LTE	UTE	WAR		98	INLET	510XB
		0.17	145	P2	TWD	11	012	-0.36	LTE	UTE	WAR		98	INLET	510XB
		0.09	128	P2	TWD	6	009	-0.31	LTE	UTE	WAR	4	98	INLET	510XB
131	6	0.09	141	P2	TWD	7	013	+0.26	LTE	UTE	WAR	0	64	INLET	510XB
131	12	0.09	148	P2	TWD	7	013	-0.39	LTE	UTE	WAR		64	INLET	510XB
131	15	0.07	146	P2	TWD	6	013	-0.36	LTE	UTE	WAR	5	80	INLET	510XB
131	18	0.13	148	P2	TWD	9	014	-0.51	LTE	UTE	WAR		78	INLET	510XB
131	27	0.06	143	P2	TWD	5	010	+0.18	LTE	UTE	WAR	4	80	INLET	510XB
131	52	0.11	118	P2	TWD	8	013	-0.60	LTE	UTE	WAR		98	INLET	510XB
131	55	0.07	152	P2	TWD	7	010	+0.15	LTE	UTE	WAR	4	100	INLET	510XB
131	65	0.20	137	P2	TWD	16	014	-0.58	LTE	UTE	WAR		100	INLET	510XB
		0.14	147	P2	TWD	12	014	+0.08	LTE	UTE	WAR		100	INLET	510XB
131	67	0.10	121	P2	TWD	9	014	-0.59	LTE	UTE	WAR		100	INLET	510XB
		0.08	143	P2	TWD	7	014	+0.13	LTE	UTE	WAR		100	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
131	69	0.07	142	P2	TWD	6	011	-0.53	LTE	UTE	WAR		100	INLET	510XB
		0.06	145	P2	TWD	6	013	+0.18	LTE	UTE	WAR	4	100	INLET	510XB
131	71	0.09	140	P2	TWD	8	013	-0.54	LTE	UTE	WAR		100	INLET	510XB
131	87	0.09	152	P2	TWD	9	013	+0.31	LTE	UTE	WAR	0	100	INLET	510XB
132	8	0.17	148	P2	TWD	12	014	-0.43	LTE	UTE	WAR		64	INLET	510XB
132	12	0.09	140	P2	TWD	7	012	-0.49	LTE	UTE	WAR		64	INLET	510XB
132	29	0.06	144	P2	TWD	5	011	+0.16	LTE	UTE	WAR	4	80	INLET	510XB
132	55	0.12	124	P2	TWD	8	012	-0.64	LTE	UTE	WAR		98	INLET	510XB
132	59	0.27	139	P2	TWD	17	012	-0.64	LTE	UTE	WAR		98	INLET	510XB
		0.13	141	P2	TWD	9	012	+0.16	LTE	UTE	WAR	3	98	INLET	510XB
132	70	0.08	118	P2	TWD	8	012	-0.54	LTE	UTE	WAR	0	100	INLET	510XB
132	71	0.13	139	P2	TWD	9	014	-0.56	LTE	UTE	WAR	4	98	INLET	510XB
		0.08	126	P2	TWD	6	014	+0.16	LTE	UTE	WAR	3	98	INLET	510XB
132	80	0.09	137	P2	TWD	8	011	-0.38	LTE	UTE	WAR		100	INLET	510XB
132	82	0.10	132	P2	TWD	9	013	-0.39	LTE	UTE	WAR		100	INLET	510XB
132	84	0.10	152	P2	TWD	9	013	+0.31	LTE	UTE	WAR	4	100	INLET	510XB
132	87	0.16	139	P2	TWD	11	011	-0.31	LTE	UTE	WAR		98	INLET	510XB
133	6	0.04	142	P2	TWD	4	013	-0.39	LTE	UTE	WAR		64	INLET	510XB
133	35	0.09	137	P2	TWD	7	014	+0.10	LTE	UTE	WAR	4	80	INLET	510XB
133	47	0.06	141	P2	TWD	6	013	+0.10	LTE	UTE	WAR	0	100	INLET	510XB
133	53	0.10	152	P2	TWD	9	010	+0.20	LTE	UTE	WAR		100	INLET	510XB
133	73	0.08	142	P2	TWD	7	011	-0.38	LTE	UTE	WAR		100	INLET	510XB
		0.11	138	P2	TWD	10	011	+0.28	LTE	UTE	WAR		100	INLET	510XB
133	77	0.06	149	P2	TWD	6	012	-0.46	LTE	UTE	WAR		100	INLET	510XB
		0.12	151	P2	TWD	11	014	-0.46	LTE	UTE	WAR		100	INLET	510XB
133	78	0.21	145	P2	TWD	14	012	-0.49	LTE	UTE	WAR		98	INLET	510XB
133	79	0.09	153	P2	TWD	9	014	+0.28	LTE	UTE	WAR	5	100	INLET	510XB
133	80	0.11	145	P2	TWD	8	014	-0.41	LTE	UTE	WAR		98	INLET	510XB
133	84	0.10	144	P2	TWD	7	013	+0.33	LTE	UTE	WAR		98	INLET	510XB
133	86	0.16	142	P2	TWD	11	010	+0.67	LTE	UTE	WAR		98	INLET	510XB
134	9	0.18	144	P2	TWD	12	013	+0.28	LTE	UTE	WAR		62	INLET	510XB
134	17	0.04	162	P2	TWD	4	014	+0.21	LTE	UTE	WAR		84	INLET	510XB
134	48	0.09	144	P2	TWD	9	014	-0.58	LTE	UTE	WAR		100	INLET	510XB
		0.10	153	P2	TWD	9	014	+0.10	LTE	UTE	WAR		100	INLET	510XB
134	58	0.13	149	P2	TWD	11	013	+0.13	LTE	UTE	WAR	7	100	INLET	510XB
134	68	0.07	132	P2	TWD	6	013	-0.52	LTE	UTE	WAR		96	INLET	510XB
134	71	1.93	83	P8	VOL		013	-0.44	013	013	WAR		93	INLET	510XP
		0.47	141	P2	TWD	25	013	-0.44	LTE	UTE	WAR		94	INLET	510XB
134	77	0.06	165	P2	TWD	5	013	-0.39	LTE	UTE	WAR		98	INLET	510XB
134	81	0.09	107	P2	TWD	6	013	-0.34	LTE	UTE	WAR		98	INLET	510XB
134	83	0.07	150	P2	TWD	5	013	+0.36	LTE	UTE	WAR	0	98	INLET	510XB
134	85	0.10	148	P2	TWD	7	011	-0.31	LTE	UTE	WAR		98	INLET	510XB
		0.08	124	P2	TWD	6	006	-0.30	LTE	UTE	WAR		98	INLET	510XB
135	8	0.07	147	P2	TWD	6	012	+0.36	LTE	UTE	WAR	0	64	INLET	510XB
135	12	0.14	139	P2	TWD	10	012	-0.52	LTE	UTE	WAR	7	82	INLET	510XB
135	13	0.06	133	P2	TWD	5	012	+0.28	LTE	UTE	WAR		84	INLET	510XB
135	35	0.15	143	P2	TWD	12	013	-0.57	LTE	UTE	WAR		84	INLET	510XB
135	39	0.08	63	P2	TWD	7	012	-0.62	LTE	UTE	WAR		84	INLET	510XB
135	52	0.16	134	P2	TWD	11	012	-0.59	LTE	UTE	WAR	11	94	INLET	510XB
135	62	0.15	137	P2	TWD	10	012	-0.57	LTE	UTE	WAR		94	INLET	510XB
135	66	0.26	143	P2	TWD	16	013	-0.47	LTE	UTE	WAR		94	INLET	510XB
135	67	0.08	144	P2	TWD	7	011	+0.26	LTE	UTE	WAR	0	96	INLET	510XB
135	72	0.20	151	P2	TWD	13	012	-0.46	LTE	UTE	WAR		94	INLET	510XB
		0.14	141	P2	TWD	9	012	+0.31	LTE	UTE	WAR	6	94	INLET	510XB
135	79	0.06	140	P2	TWD	6	013	-0.36	LTE	UTE	WAR		100	INLET	510XB
136	17	0.09	148	P2	TWD	8	013	-0.39	LTE	UTE	WAR	5	84	INLET	510XB
136	19	0.14	147	P2	TWD	11	012	+0.26	LTE	UTE	WAR		84	INLET	510XB
136	29	0.06	138	P2	TWD	4	014	+0.17	LTE	UTE	WAR		84	INLET	510XB
136	46	0.15	146	P2	TWD	12	014	+0.13	LTE	UTE	WAR		96	INLET	510XB
136	52	0.11	150	P2	TWD	9	007	-0.53	LTE	UTE	WAR		96	INLET	510XB
136	56	0.07	158	P2	TWD	6	014	+0.13	LTE	UTE	WAR	4	96	INLET	510XB
136	59	0.06	147	P2	TWD	4	007	-0.51	LTE	UTE	WAR		94	INLET	510XB
136	67	1.36	94	P12	VOL		014	-0.54	014	014	WAR		93	INLET	510XP
		0.15	142	P2	TWD	10	011	-0.44	LTE	UTE	WAR		94	INLET	510XB
		0.26	139	P2	TWD	16	013	+0.23	LTE	UTE	WAR		94	INLET	510XB
		0.34	143	P2	TWD	20	014	-0.51	LTE	UTE	WAR		94	INLET	510XB
		0.11	157	P2	TWD	8	013	-0.44	LTE	UTE	WAR	0	94	INLET	510XB
136	68	0.24	143	P2	TWD	17	013	-0.44	LTE	UTE	WAR		96	INLET	510XB
		0.15	142	P2	TWD	12	013	+0.20	LTE	UTE	WAR	0	96	INLET	510XB
136	69	1.56	86	P8	VOL		013	-0.47	013	013	WAR		93	INLET	510XP
		0.27	147	P2	TWD	17	010	-0.44	LTE	UTE	WAR		94	INLET	510XB
		0.40	145	P2	TWD	22	013	-0.44	LTE	UTE	WAR		94	INLET	510XB
		0.30	146	P2	TWD	18	013	+0.23	LTE	UTE	WAR		94	INLET	510XB
		0.12	117	P2	TWD	8	014	+0.26	LTE	UTE	WAR	5	94	INLET	510XB
136	71	0.10	141	P2	TWD	7	012	-0.52	LTE	UTE	WAR		94	INLET	510XB
		0.13	149	P2	TWD	9	013	-0.39	LTE	UTE	WAR	0	94	INLET	510XB
		0.11	148	P2	TWD	8	014	-0.44	LTE	UTE	WAR	0	94	INLET	510XB
136	73	1.39	88	P8	VOL		013	-0.54	013	013	WAR		93	INLET	510XP
		0.40	138	P2	TWD	23	013	-0.39	LTE	UTE	WAR		94	INLET	510XB
136	74	0.13	143	P2	TWD	12	013	+0.26	LTE	UTE	WAR	6	100	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
136	78	0.13	139	P2	TWD	11	010	-0.35	LTE	UTE	WAR		100	INLET	510XB
136	80	0.15	124	P2	TWD	13	013	-0.31	LTE	UTE	WAR		100	INLET	510XB
		0.04	152	P2	TWD	4	011	-0.33	LTE	UTE	WAR		100	INLET	510XB
137	6	0.17	142	P2	TWD	12	012	+0.34	LTE	UTE	WAR		62	INLET	510XB
137	27	0.06	152	P2	TWD	6	014	+0.21	LTE	UTE	WAR		84	INLET	510XB
137	35	0.13	131	P2	TWD	10	014	+0.08	LTE	UTE	WAR		84	INLET	510XB
137	42	1.32	90	P9	VOL		014	-0.69	014	014	WAR		93	INLET	510XP
		0.46	132	P2	TWD	25	014	-0.59	LTE	UTE	WAR		94	INLET	510XB
137	50	0.13	143	P2	TWD	9	014	+0.13	LTE	UTE	WAR		94	INLET	510XB
137	52	0.16	144	P2	TWD	11	013	-0.47	LTE	UTE	WAR		94	INLET	510XB
		0.04	128	P2	TWD	3	013	+0.15	LTE	UTE	WAR		94	INLET	510XB
137	54	0.09	158	P2	TWD	6	011	-0.47	LTE	UTE	WAR		94	INLET	510XB
137	62	0.15	149	P2	TWD	10	014	+0.18	LTE	UTE	WAR		94	INLET	510XB
137	63	0.11	140	P2	TWD	9	013	+0.20	LTE	UTE	WAR		96	INLET	510XB
137	64	0.18	144	P2	TWD	12	013	-0.44	LTE	UTE	WAR		94	INLET	510XB
137	66	4.44	82	P28	VOL		010	-0.54	010	010	WAR		93	INLET	510XP
		1.18	128	P2	TWD	42	010	-0.44	LTE	UTE	WAR	LAR	94	INLET	510XB
137	69	0.06	127	P2	TWD	5	013	+0.26	LTE	UTE	WAR		96	INLET	510XB
137	70	0.14	150	P2	TWD	9	013	+0.28	LTE	UTE	WAR		94	INLET	510XB
137	76	0.15	148	P2	TWD	10	013	+0.33	LTE	UTE	WAR		98	INLET	510XB
138	7	0.09	142	P2	TWD	6	013	-0.34	LTE	UTE	WAR	0	82	INLET	510XB
138	8	0.08	152	P2	TWD	7	014	-0.36	LTE	UTE	WAR		84	INLET	510XB
138	9	0.12	151	P2	TWD	8	012	-0.47	LTE	UTE	WAR	0	82	INLET	510XB
		0.11	131	P2	TWD	8	013	+0.20	LTE	UTE	WAR	0	82	INLET	510XB
138	22	0.13	142	P2	TWD	11	014	-0.49	LTE	UTE	WAR		84	INLET	510XB
		0.12	150	P2	TWD	10	014	+0.21	LTE	UTE	WAR		84	INLET	510XB
		0.11	145	P2	TWD	9	015	+0.50	LTE	UTE	WAR		84	INLET	510XB
138	43	0.10	150	P2	TWD	8	013	-0.52	LTE	UTE	WAR		96	INLET	510XB
138	47	0.13	145	P2	TWD	10	014	+0.16	LTE	UTE	WAR		96	INLET	510XB
138	48	0.17	153	P2	TWD	12	014	+0.16	LTE	UTE	WAR		94	INLET	510XB
138	49	0.14	152	P2	TWD	11	013	-0.54	LTE	UTE	WAR		96	INLET	510XB
138	53	0.31	143	P2	TWD	20	014	-0.51	LTE	UTE	WAR		96	INLET	510XB
		0.05	150	P2	TWD	5	008	-0.46	LTE	UTE	WAR		96	INLET	510XB
		1.89	37	P23	VOL		014	-0.51	014	014	WAR		95	INLET	510XP
138	54	0.28	143	P2	TWD	17	014	-0.51	LTE	UTE	WAR		94	INLET	510XB
138	57	0.08	147	P2	TWD	6	012	-0.49	LTE	UTE	WAR		96	INLET	510XB
		0.07	145	P2	TWD	6	014	+0.18	LTE	UTE	WAR		96	INLET	510XB
138	62	0.18	141	P2	TWD	12	011	-0.41	LTE	UTE	WAR		94	INLET	510XB
		0.17	151	P2	TWD	11	013	-0.44	LTE	UTE	WAR		94	INLET	510XB
		0.14	146	P2	TWD	10	013	+0.26	LTE	UTE	WAR		94	INLET	510XB
138	63	0.12	141	P2	TWD	9	010	-0.43	LTE	UTE	WAR		96	INLET	510XB
		0.21	132	P2	TWD	15	013	+0.23	LTE	UTE	WAR		96	INLET	510XB
138	64	0.17	150	P2	TWD	11	013	+0.26	LTE	UTE	WAR		94	INLET	510XB
138	67	0.07	138	P2	TWD	6	013	-0.44	LTE	UTE	WAR		96	INLET	510XB
138	69	0.18	143	P2	TWD	13	013	+0.31	LTE	UTE	WAR		96	INLET	510XB
138	73	0.12	132	P2	TWD	8	010	-0.36	LTE	UTE	WAR		98	INLET	510XB
139	10	0.16	133	P2	TWD	10	014	+0.29	LTE	UTE	WAR		82	INLET	510XB
139	11	0.08	144	P2	TWD	7	012	-0.44	LTE	UTE	WAR	0	84	INLET	510XB
139	14	0.18	141	P2	TWD	11	014	-0.43	LTE	UTE	WAR	6	82	INLET	510XB
139	19	0.13	140	P2	TWD	10	012	-0.52	LTE	UTE	WAR		84	INLET	510XB
139	23	0.10	142	P2	TWD	8	012	-0.55	LTE	UTE	WAR		84	INLET	510XB
139	25	0.09	159	P2	TWD	8	013	-0.41	LTE	UTE	WAR		84	INLET	510XB
139	27	0.15	144	P2	TWD	12	012	-0.60	LTE	UTE	WAR	9	84	INLET	510XB
139	29	0.06	155	P2	TWD	6	013	+0.23	LTE	UTE	WAR		84	INLET	510XB
139	38	0.15	136	P2	TWD	10	014	+0.13	LTE	UTE	WAR		94	INLET	510XB
139	43	0.10	156	P2	TWD	8	013	-0.52	LTE	UTE	WAR		96	INLET	510XB
139	53	0.17	145	P2	TWD	13	013	-0.49	LTE	UTE	WAR		96	INLET	510XB
139	56	0.11	124	P2	TWD	8	012	+0.23	LTE	UTE	WAR		94	INLET	510XB
		0.11	140	P2	TWD	8	014	-0.54	LTE	UTE	WAR		94	INLET	510XB
139	60	0.14	143	P2	TWD	9	013	+0.26	LTE	UTE	WAR		94	INLET	510XB
139	62	0.28	146	P2	TWD	17	013	+0.26	LTE	UTE	WAR		94	INLET	510XB
		0.13	155	P2	TWD	9	014	+0.23	LTE	UTE	WAR		94	INLET	510XB
		0.15	150	P2	TWD	10	013	-0.44	LTE	UTE	WAR	0	94	INLET	510XB
139	63	0.06	151	P2	TWD	5	013	-0.41	LTE	UTE	WAR		96	INLET	510XB
139	66	0.18	150	P2	TWD	12	010	-0.39	LTE	UTE	WAR		94	INLET	510XB
		0.14	149	P2	TWD	9	013	+0.28	LTE	UTE	WAR	0	94	INLET	510XB
139	68	0.17	151	P2	TWD	11	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
139	69	0.12	147	P2	TWD	9	012	-0.39	LTE	UTE	WAR	0	96	INLET	510XB
139	70	0.14	144	P2	TWD	10	013	-0.34	LTE	UTE	WAR		94	INLET	510XB
139	72	0.22	145	P2	TWD	14	013	+0.33	LTE	UTE	WAR		98	INLET	510XB
139	74	0.14	153	P2	TWD	9	011	+0.39	LTE	UTE	WAR		98	INLET	510XB
140	10	0.10	137	P2	TWD	8	011	+0.34	LTE	UTE	WAR	4	84	INLET	510XB
		0.13	143	P2	TWD	11	012	-0.50	LTE	UTE	WAR	7	84	INLET	510XB
140	11	0.09	139	P2	TWD	6	013	-0.34	LTE	UTE	WAR	0	82	INLET	510XB
140	13	0.12	137	P2	TWD	8	013	-0.34	LTE	UTE	WAR	0	82	INLET	510XB
140	19	0.12	152	P2	TWD	8	014	+0.26	LTE	UTE	WAR		82	INLET	510XB
140	24	0.15	146	P2	TWD	12	011	-0.36	LTE	UTE	WAR		84	INLET	510XB
140	25	0.10	147	P2	TWD	7	013	-0.41	LTE	UTE	WAR		82	INLET	510XB
140	26	0.10	155	P2	TWD	8	014	+0.21	LTE	UTE	WAR		84	INLET	510XB
140	42	0.17	153	P2	TWD	12	013	-0.47	LTE	UTE	WAR		94	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
140	46	0.07	139	P2	TWD	5	013	+0.15	LTE	UTE	WAR		94	INLET	510XB
140	50	0.19	151	P2	TWD	13	014	+0.21	LTE	UTE	WAR		94	INLET	510XB
		0.11	138	P2	TWD	8	014	-0.51	LTE	UTE	WAR	0	94	INLET	510XB
140	56	0.16	144	P2	TWD	11	012	-0.54	LTE	UTE	WAR		94	INLET	510XB
		0.19	140	P2	TWD	12	010	-0.36	LTE	UTE	WAR	5	94	INLET	510XB
140	59	0.13	151	P2	TWD	11	013	-0.41	LTE	UTE	WAR		96	INLET	510XB
		0.13	147	P2	TWD	10	013	+0.26	LTE	UTE	WAR		96	INLET	510XB
140	60	0.14	153	P2	TWD	9	013	+0.26	LTE	UTE	WAR		94	INLET	510XB
		0.14	143	P2	TWD	9	010	-0.41	LTE	UTE	WAR	0	94	INLET	510XB
		0.09	155	P2	TWD	6	013	-0.41	LTE	UTE	WAR	0	94	INLET	510XB
140	62	2.12	81	P28	VOL		010	-0.46	010	010	WAR		93	INLET	510XP
		0.45	142	P2	TWD	24	010	-0.41	LTE	UTE	WAR		94	INLET	510XB
140	64	0.08	100	P2	TWD	6	012	+0.28	LTE	UTE	WAR		94	INLET	510XB
140	69	0.06	150	P2	TWD	4	007	+0.33	LTE	UTE	WAR		98	INLET	510XB
141	9	0.13	144	P2	TWD	9	012	-0.47	LTE	UTE	WAR	0	82	INLET	510XB
141	10	0.22	143	P2	TWD	16	011	+0.34	LTE	UTE	WAR		84	INLET	510XB
		0.10	147	P2	TWD	9	011	-0.31	LTE	UTE	WAR	0	84	INLET	510XB
141	14	0.11	151	P2	TWD	9	013	+0.31	LTE	UTE	WAR		84	INLET	510XB
		0.05	159	P2	TWD	5	014	-0.44	LTE	UTE	WAR		84	INLET	510XB
141	18	0.08	140	P2	TWD	7	012	-0.55	LTE	UTE	WAR		84	INLET	510XB
		0.13	141	P2	TWD	11	014	+0.29	LTE	UTE	WAR		84	INLET	510XB
141	25	0.30	141	P2	TWD	18	013	-0.47	LTE	UTE	WAR		82	INLET	510XB
		0.07	132	P2	TWD	5	013	+0.23	LTE	UTE	WAR		82	INLET	510XB
141	36	0.09	154	P2	TWD	7	014	+0.18	LTE	UTE	WAR		96	INLET	510XB
141	40	0.10	153	P2	TWD	8	013	-0.52	LTE	UTE	WAR		96	INLET	510XB
141	46	0.11	147	P2	TWD	9	010	-0.49	LTE	UTE	WAR		96	INLET	510XB
141	47	0.15	155	P2	TWD	10	013	-0.41	LTE	UTE	WAR		94	INLET	510XB
141	48	0.22	148	P2	TWD	16	013	-0.44	LTE	UTE	WAR		96	INLET	510XB
		0.10	151	P2	TWD	8	013	+0.23	LTE	UTE	WAR	4	96	INLET	510XB
141	49	0.10	142	P2	TWD	7	013	-0.44	LTE	UTE	WAR		94	INLET	510XB
141	50	0.17	149	P2	TWD	13	013	-0.44	LTE	UTE	WAR		96	INLET	510XB
141	54	0.20	147	P2	TWD	15	013	-0.41	LTE	UTE	WAR		96	INLET	510XB
141	55	3.21	83	P28	VOL		010	-0.49	010	010	WAR		93	INLET	510XP
		0.78	133	P2	TWD	34	010	-0.44	LTE	UTE	WAR		94	INLET	510XB
141	57	0.23	139	P2	TWD	15	014	+0.29	LTE	UTE	WAR		94	INLET	510XB
		0.13	152	P2	TWD	9	010	-0.39	LTE	UTE	WAR	0	94	INLET	510XB
141	58	0.14	144	P2	TWD	11	013	-0.41	LTE	UTE	WAR		96	INLET	510XB
		0.07	153	P2	TWD	6	013	+0.31	LTE	UTE	WAR	4	96	INLET	510XB
141	59	2.37	82	P28	VOL		010	-0.54	010	010	WAR		93	INLET	510XP
		0.54	135	P2	TWD	27	010	-0.44	LTE	UTE	WAR		94	INLET	510XB
		0.17	141	P2	TWD	12	013	-0.36	LTE	UTE	WAR		94	INLET	510XB
141	63	0.15	134	P2	TWD	11	011	-0.34	LTE	UTE	WAR		94	INLET	510XB
141	64	0.21	148	P2	TWD	15	011	-0.31	LTE	UTE	WAR		96	INLET	510XB
141	65	0.13	153	P2	TWD	9	013	+0.28	LTE	UTE	WAR	4	94	INLET	510XB
141	66	0.07	137	P2	TWD	6	013	-0.36	LTE	UTE	WAR		96	INLET	510XB
142	5	0.09	147	P2	TWD	8	012	+0.39	LTE	UTE	WAR		84	INLET	510XB
142	12	0.16	141	P2	TWD	10	012	-0.47	LTE	UTE	WAR		82	INLET	510XB
		0.23	142	P2	TWD	14	013	-0.31	LTE	UTE	WAR		82	INLET	510XB
142	16	0.25	141	P2	TWD	15	012	-0.49	LTE	UTE	WAR		82	INLET	510XB
		0.32	138	P2	TWD	18	014	-0.46	LTE	UTE	WAR		82	INLET	510XB
142	21	0.18	148	P2	TWD	14	014	-0.49	LTE	UTE	WAR		84	INLET	510XB
		0.07	150	P2	TWD	6	014	+0.21	LTE	UTE	WAR		84	INLET	510XB
142	30	0.07	156	P2	TWD	5	012	+0.26	LTE	UTE	WAR		82	INLET	510XB
142	34	0.08	139	P2	TWD	7	012	+0.26	LTE	UTE	WAR		96	INLET	510XB
142	37	0.07	152	P2	TWD	5	011	-0.36	LTE	UTE	WAR		94	INLET	510XB
142	40	0.07	157	P2	TWD	6	012	-0.54	LTE	UTE	WAR		96	INLET	510XB
		0.11	141	P2	TWD	9	011	-0.38	LTE	UTE	WAR	0	96	INLET	510XB
142	42	0.12	155	P2	TWD	9	012	-0.54	LTE	UTE	WAR		96	INLET	510XB
		0.06	151	P2	TWD	5	012	+0.23	LTE	UTE	WAR		96	INLET	510XB
		0.06	130	P2	TWD	5	014	-0.51	LTE	UTE	WAR		96	INLET	510XB
142	47	0.16	141	P2	TWD	11	013	-0.36	LTE	UTE	WAR		94	INLET	510XB
142	53	0.19	148	P2	TWD	12	010	+0.62	LTE	UTE	WAR	3	94	INLET	510XB
142	54	0.26	141	P2	TWD	18	014	-0.43	LTE	UTE	WAR		96	INLET	510XB
142	55	0.14	150	P2	TWD	10	012	-0.49	LTE	UTE	WAR		94	INLET	510XB
142	56	0.10	141	P2	TWD	8	010	-0.33	LTE	UTE	WAR		96	INLET	510XB
142	58	0.09	147	P2	TWD	8	013	-0.46	LTE	UTE	WAR	0	96	INLET	510XB
142	59	0.31	139	P2	TWD	19	013	-0.34	LTE	UTE	WAR		94	INLET	510XB
142	60	0.07	134	P2	TWD	6	013	-0.39	LTE	UTE	WAR		96	INLET	510XB
142	61	0.19	152	P2	TWD	12	013	-0.31	LTE	UTE	WAR		94	INLET	510XB
		0.15	134	P2	TWD	10	013	+0.33	LTE	UTE	WAR		94	INLET	510XB
142	62	0.21	134	P2	TWD	15	011	-0.31	LTE	UTE	WAR		96	INLET	510XB
		0.16	145	P2	TWD	13	013	-0.33	LTE	UTE	WAR		96	INLET	510XB
142	65	0.17	145	P2	TWD	11	013	+0.36	LTE	UTE	WAR	4	94	INLET	510XB
143	6	0.09	137	P2	TWD	6	013	+0.26	LTE	UTE	WAR	3	82	INLET	510XB
143	9	0.13	150	P2	TWD	11	013	+0.33	LTE	UTE	WAR		84	INLET	510XB
143	12	0.13	150	P2	TWD	9	013	-0.36	LTE	UTE	WAR		82	INLET	510XB
143	13	0.06	152	P2	TWD	5	014	-0.41	LTE	UTE	WAR		84	INLET	510XB
143	16	0.28	138	P2	TWD	16	013	+0.31	LTE	UTE	WAR		82	INLET	510XB
143	24	0.48	139	P2	TWD	25	014	-0.51	LTE	UTE	WAR		82	INLET	510XB
		0.09	144	P2	TWD	6	013	-0.49	LTE	UTE	WAR		82	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		1.85	139	30	VOL		014	-0.64	014	014	WAR		81	INLET	510XP
143	25	0.12	148	P2	TWD	10	013	+0.25	LTE	UTE	WAR		84	INLET	510XB
143	27	0.14	156	P2	TWD	11	013	-0.44	LTE	UTE	WAR		84	INLET	510XB
143	28	0.11	152	P2	TWD	7	014	-0.48	LTE	UTE	WAR		82	INLET	510XB
143	29	0.21	144	P2	TWD	16	014	-0.48	LTE	UTE	WAR		84	INLET	510XB
143	30	0.21	152	P2	TWD	13	012	-0.54	LTE	UTE	WAR		82	INLET	510XB
143	39	0.13	145	P2	TWD	10	014	+0.23	LTE	UTE	WAR		92	INLET	510XB
143	40	0.30	142	P2	TWD	18	014	-0.49	LTE	UTE	WAR		90	INLET	510XB
143	43	0.14	148	P2	TWD	11	013	-0.44	LTE	UTE	WAR		92	INLET	510XB
143	58	0.10	142	P2	TWD	7	013	-0.31	LTE	UTE	WAR		90	INLET	510XB
		0.08	142	P2	TWD	6	013	+0.33	LTE	UTE	WAR		90	INLET	510XB
143	59	0.07	142	P2	TWD	6	011	-0.28	LTE	UTE	WAR		96	INLET	510XB
		0.10	149	P2	TWD	8	013	+0.33	LTE	UTE	WAR		96	INLET	510XB
143	60	0.10	149	P2	TWD	7	011	+0.39	LTE	UTE	WAR		94	INLET	510XB
143	61	0.10	135	P2	TWD	8	013	+0.33	LTE	UTE	WAR	0	96	INLET	510XB
143	62	0.12	146	P2	TWD	8	013	-0.31	LTE	UTE	WAR		94	INLET	510XB
		0.10	150	P2	TWD	7	013	+0.38	LTE	UTE	WAR		94	INLET	510XB
144	7	0.06	143	P2	TWD	5	012	+0.36	LTE	UTE	WAR		84	INLET	510XB
144	15	0.11	138	P2	TWD	10	013	-0.39	LTE	UTE	WAR	6	84	INLET	510XB
144	17	0.20	143	P2	TWD	15	011	-0.31	LTE	UTE	WAR		84	INLET	510XB
144	18	0.11	150	P2	TWD	7	012	-0.47	LTE	UTE	WAR		82	INLET	510XB
144	19	0.18	144	P2	TWD	14	011	-0.33	LTE	UTE	WAR		84	INLET	510XB
144	20	0.18	145	P2	TWD	12	011	-0.39	LTE	UTE	WAR		82	INLET	510XB
		0.08	147	P2	TWD	6	012	-0.52	LTE	UTE	WAR		82	INLET	510XB
		0.09	142	P2	TWD	6	013	-0.39	LTE	UTE	WAR		82	INLET	510XB
		0.14	144	P2	TWD	9	013	+0.28	LTE	UTE	WAR	3	82	INLET	510XB
144	21	0.07	142	P2	TWD	6	008	-0.41	LTE	UTE	WAR		84	INLET	510XB
		0.06	153	P2	TWD	5	013	-0.39	LTE	UTE	WAR		84	INLET	510XB
144	23	0.17	139	P2	TWD	13	013	+0.28	LTE	UTE	WAR		84	INLET	510XB
144	27	0.08	154	P2	TWD	7	014	-0.43	LTE	UTE	WAR		84	INLET	510XB
144	33	0.21	150	P2	TWD	14	014	-0.49	LTE	UTE	WAR		90	INLET	510XB
144	37	0.07	151	P2	TWD	5	008	-0.41	LTE	UTE	WAR		90	INLET	510XB
144	38	0.12	152	P2	TWD	9	012	-0.52	LTE	UTE	WAR		92	INLET	510XB
144	39	0.08	130	P2	TWD	6	013	-0.39	LTE	UTE	WAR		90	INLET	510XB
144	40	0.18	145	P2	TWD	13	014	-0.43	LTE	UTE	WAR		92	INLET	510XB
144	44	0.10	141	P2	TWD	8	013	+0.26	LTE	UTE	WAR		92	INLET	510XB
144	50	0.09	146	P2	TWD	7	013	-0.36	LTE	UTE	WAR		92	INLET	510XB
		0.12	149	P2	TWD	9	013	+0.31	LTE	UTE	WAR		92	INLET	510XB
144	52	0.09	119	P2	TWD	8	011	-0.31	LTE	UTE	WAR		92	INLET	510XB
144	54	0.05	154	P2	TWD	4	012	-0.39	LTE	UTE	WAR		92	INLET	510XB
144	55	0.11	145	P2	TWD	8	013	-0.31	LTE	UTE	WAR		90	INLET	510XB
145	8	0.13	134	P2	TWD	9	013	-0.34	LTE	UTE	WAR		82	INLET	510XB
145	10	0.08	157	P2	TWD	5	012	+0.36	LTE	UTE	WAR		82	INLET	510XB
145	12	0.18	152	P2	TWD	12	013	-0.36	LTE	UTE	WAR		82	INLET	510XB
145	13	0.14	139	P2	TWD	12	013	-0.36	LTE	UTE	WAR		84	INLET	510XB
145	14	0.13	157	P2	TWD	9	012	-0.47	LTE	UTE	WAR		82	INLET	510XB
		0.42	137	P2	TWD	22	014	+0.31	LTE	UTE	WAR		82	INLET	510XB
		1.07	114	86	VOL		014	+0.16	014	014	WAR		81	INLET	510XP
145	15	0.09	152	P2	TWD	8	013	-0.36	LTE	UTE	WAR		84	INLET	510XB
145	17	0.08	150	P2	TWD	7	012	-0.44	LTE	UTE	WAR		84	INLET	510XB
145	18	0.11	147	P2	TWD	7	012	-0.49	LTE	UTE	WAR		82	INLET	510XB
145	19	0.09	142	P2	TWD	7	011	-0.34	LTE	UTE	WAR		88	INLET	510XB
145	20	0.22	141	P2	TWD	14	011	+0.34	LTE	UTE	WAR		86	INLET	510XB
		0.08	153	P2	TWD	6	012	-0.49	LTE	UTE	WAR		86	INLET	510XB
145	22	0.13	156	P2	TWD	9	012	-0.49	LTE	UTE	WAR		86	INLET	510XB
145	27	0.08	145	P2	TWD	7	012	+0.31	LTE	UTE	WAR		92	INLET	510XB
145	28	0.10	150	P2	TWD	7	011	-0.36	LTE	UTE	WAR		90	INLET	510XB
145	32	0.09	141	P2	TWD	6	006	-0.33	LTE	UTE	WAR		90	INLET	510XB
145	35	0.07	156	P2	TWD	6	012	-0.47	LTE	UTE	WAR		92	INLET	510XB
		0.15	143	P2	TWD	11	013	-0.41	LTE	UTE	WAR		92	INLET	510XB
145	36	0.06	155	P2	TWD	5	008	-0.36	LTE	UTE	WAR		90	INLET	510XB
145	39	0.14	149	P2	TWD	11	012	+0.31	LTE	UTE	WAR		92	INLET	510XB
145	40	0.17	145	P2	TWD	11	013	+0.33	LTE	UTE	WAR		90	INLET	510XB
145	46	0.13	139	P2	TWD	9	012	-0.46	LTE	UTE	WAR		90	INLET	510XB
145	47	0.08	150	P2	TWD	7	011	-0.33	LTE	UTE	WAR		92	INLET	510XB
145	49	0.10	136	P2	TWD	8	006	-0.35	LTE	UTE	WAR		92	INLET	510XB
146	12	0.07	137	P2	TWD	6	013	-0.36	LTE	UTE	WAR		88	INLET	510XB
146	16	0.12	145	P2	TWD	10	014	+0.29	LTE	UTE	WAR		88	INLET	510XB
		0.09	156	P2	TWD	8	012	-0.44	LTE	UTE	WAR	0	88	INLET	510XB
146	19	0.21	143	P2	TWD	13	011	-0.34	LTE	UTE	WAR		86	INLET	510XB
146	21	0.11	138	P2	TWD	7	011	-0.34	LTE	UTE	WAR		86	INLET	510XB
		0.16	145	P2	TWD	11	014	-0.46	LTE	UTE	WAR		86	INLET	510XB
146	22	0.26	143	P2	TWD	18	013	-0.36	LTE	UTE	WAR		88	INLET	510XB
		0.07	145	P2	TWD	6	013	+0.31	LTE	UTE	WAR		88	INLET	510XB
146	23	0.32	138	P2	TWD	19	012	-0.49	LTE	UTE	WAR		86	INLET	510XB
146	27	0.13	149	P2	TWD	9	011	-0.36	LTE	UTE	WAR		90	INLET	510XB
		0.27	140	P2	TWD	17	013	-0.39	LTE	UTE	WAR		90	INLET	510XB
		0.16	148	P2	TWD	11	013	+0.28	LTE	UTE	WAR		90	INLET	510XB
146	29	0.07	151	P2	TWD	5	011	-0.34	LTE	UTE	WAR		90	INLET	510XB
146	33	0.12	141	P2	TWD	8	011	-0.36	LTE	UTE	WAR		90	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
146	36	0.13	150	P2	TWD	10	010	+0.62	LTE	UTE	WAR	0	92	INLET	510XB
146	44	0.15	141	P2	TWD	11	011	-0.31	LTE	UTE	WAR		92	INLET	510XB
146	46	0.08	150	P2	TWD	7	011	-0.33	LTE	UTE	WAR	0	92	INLET	510XB
146	51	0.12	144	P2	TWD	8	002	-0.25	LTE	UTE	WAR		90	INLET	510XB
147	3	0.22	138	P2	TWD	16	011	-0.31	LTE	UTE	WAR	8	88	INLET	510XB
147	4	0.07	135	P2	TWD	5	013	-0.31	LTE	UTE	WAR		86	INLET	510XB
147	6	0.05	143	P2	TWD	4	012	-0.44	LTE	UTE	WAR		86	INLET	510XB
147	12	0.19	146	P2	TWD	12	013	+0.33	LTE	UTE	WAR		86	INLET	510XB
147	13	0.08	152	P2	TWD	7	013	+0.33	LTE	UTE	WAR	6	88	INLET	510XB
147	15	0.67	126	134	VOL		013	-0.39	013	013	WAR		87	INLET	510XP
		0.30	137	P2	TWD	20	013	-0.36	LTE	UTE	WAR		88	INLET	510XB
		0.10	148	P2	TWD	8	011	-0.31	LTE	UTE	WAR	3	88	INLET	510XB
147	17	0.17	124	P2	TWD	13	013	-0.36	LTE	UTE	WAR		88	INLET	510XB
		0.12	146	P2	TWD	10	012	+0.28	LTE	UTE	WAR	5	88	INLET	510XB
147	18	0.51	133	P2	TWD	26	012	-0.46	LTE	UTE	WAR		86	INLET	510XB
		0.40	143	P2	TWD	22	013	-0.36	LTE	UTE	WAR		86	INLET	510XB
		1.55	123	114	VOL		012	-0.52	012	012	WAR		85	INLET	510XP
		1.21	115	122	VOL		013	-0.36	013	013	WAR		85	INLET	510XP
147	22	0.34	146	P2	TWD	19	012	-0.44	LTE	UTE	WAR		86	INLET	510XB
147	23	1.90	121	P17	VOL		013	-0.55	013	013	WAR		91	INLET	510XP
		0.43	133	P2	TWD	26	013	-0.36	LTE	UTE	WAR		92	INLET	510XB
		0.08	159	P2	TWD	7	012	-0.47	LTE	UTE	WAR	6	92	INLET	510XB
147	26	0.19	143	P2	TWD	13	012	-0.44	LTE	UTE	WAR		90	INLET	510XB
147	27	0.27	143	P2	TWD	19	012	-0.44	LTE	UTE	WAR		92	INLET	510XB
147	30	0.13	159	P2	TWD	9	012	-0.47	LTE	UTE	WAR	0	90	INLET	510XB
147	32	0.79	29	Q14	VOL		013	+0.28	013	013	WAR		89	INLET	510XP
		0.11	132	P2	TWD	8	011	+0.34	LTE	UTE	WAR		90	INLET	510XB
		0.32	132	P2	TWD	19	012	-0.44	LTE	UTE	WAR		90	INLET	510XB
		0.13	154	P2	TWD	9	013	-0.36	LTE	UTE	WAR		90	INLET	510XB
		0.41	134	P2	TWD	22	013	+0.33	LTE	UTE	WAR		90	INLET	510XB
147	37	0.10	151	P2	TWD	8	011	-0.31	LTE	UTE	WAR	0	92	INLET	510XB
147	40	0.26	145	P2	TWD	16	011	-0.28	LTE	UTE	WAR		90	INLET	510XB
147	46	0.10	148	P2	TWD	7	013	+0.38	LTE	UTE	WAR		90	INLET	510XB
148	8	0.07	155	P2	TWD	5	012	+0.42	LTE	UTE	WAR		86	INLET	510XB
148	15	1.52	123	6	VOL		013	-0.42	013	013	WAR		87	INLET	510XP
		0.27	130	P2	TWD	19	012	-0.42	LTE	UTE	WAR		88	INLET	510XB
		0.39	138	P2	TWD	24	013	-0.34	LTE	UTE	WAR		88	INLET	510XB
148	16	0.13	146	P2	TWD	9	013	+0.28	LTE	UTE	WAR	5	86	INLET	510XB
148	19	0.07	150	P2	TWD	6	015	-0.47	LTE	UTE	WAR		88	INLET	510XB
148	20	0.15	151	P2	TWD	10	013	+0.33	LTE	UTE	WAR		86	INLET	510XB
148	27	0.09	135	P2	TWD	7	011	-0.31	LTE	UTE	WAR		90	INLET	510XB
148	32	0.06	161	P2	TWD	5	011	-0.36	LTE	UTE	WAR		92	INLET	510XB
148	34	0.08	108	P2	TWD	7	013	+0.34	LTE	UTE	WAR		92	INLET	510XB
149	2	0.20	145	P2	TWD	13	013	+0.38	LTE	UTE	WAR		86	INLET	510XB
149	5	0.07	148	P2	TWD	6	013	+0.31	LTE	UTE	WAR		88	INLET	510XB
149	6	0.08	144	P2	TWD	6	012	-0.39	LTE	UTE	WAR	0	86	INLET	510XB
149	7	0.08	153	P2	TWD	7	013	-0.34	LTE	UTE	WAR		88	INLET	510XB
149	17	0.10	144	P2	TWD	8	013	-0.36	LTE	UTE	WAR		92	INLET	510XB
149	18	0.15	148	P2	TWD	10	012	-0.36	LTE	UTE	WAR		90	INLET	510XB
149	21	0.06	150	P2	TWD	6	006	-0.34	LTE	UTE	WAR		92	INLET	510XB
149	25	1.94	302	P10	VOL		013	+0.28	013	013	WAR		91	INLET	510XP
		0.41	137	P2	TWD	25	013	+0.36	LTE	UTE	WAR		92	INLET	510XB
		0.12	127	P2	TWD	9	010	+0.54	LTE	UTE	WAR	5	92	INLET	510XB
149	27	0.12	144	P2	TWD	10	011	-0.33	LTE	UTE	WAR		92	INLET	510XB
		0.15	147	P2	TWD	12	013	+0.38	LTE	UTE	WAR	4	92	INLET	510XB
149	31	0.12	141	P2	TWD	10	011	-0.31	LTE	UTE	WAR		92	INLET	510XB
149	32	0.30	135	P2	TWD	18	011	+0.39	LTE	UTE	WAR		90	INLET	510XB
		0.29	144	P2	TWD	18	012	-0.36	LTE	UTE	WAR		90	INLET	510XB
149	34	1.03	38	Q3	VOL		015	+0.53	015	015	WAR		89	INLET	510XP
		0.18	144	P2	TWD	12	010	-0.31	LTE	UTE	WAR		90	INLET	510XB
		0.23	141	P2	TWD	14	011	-0.31	LTE	UTE	WAR		90	INLET	510XB
		0.29	138	P2	TWD	18	013	+0.36	LTE	UTE	WAR		90	INLET	510XB
		0.36	149	P2	TWD	21	015	+0.64	LTE	UTE	WAR		90	INLET	510XB
		0.08	148	P2	TWD	6	015	-0.42	LTE	UTE	WAR		90	INLET	510XB
		0.20	143	P2	TWD	13	013	-0.31	LTE	UTE	WAR	3	90	INLET	510XB
150	3	0.12	150	P2	TWD	8	012	-0.36	LTE	UTE	WAR		86	INLET	510XB
		0.23	146	P2	TWD	15	013	+0.38	LTE	UTE	WAR		86	INLET	510XB
		0.09	131	P2	TWD	6	006	-0.31	LTE	UTE	WAR		86	INLET	510XB
150	4	0.14	138	P2	TWD	11	012	-0.36	LTE	UTE	WAR		88	INLET	510XB
150	7	0.10	133	P2	TWD	7	013	-0.34	LTE	UTE	WAR	0	86	INLET	510XB
150	12	0.13	141	P2	TWD	10	011	-0.31	LTE	UTE	WAR	4	88	INLET	510XB
150	13	0.10	156	P2	TWD	7	012	-0.39	LTE	UTE	WAR		86	INLET	510XB
150	14	0.07	135	P2	TWD	6	012	-0.42	LTE	UTE	WAR		92	INLET	510XB
150	16	0.11	145	P2	TWD	9	012	-0.39	LTE	UTE	WAR		92	INLET	510XB
150	21	0.20	137	P2	TWD	13	012	-0.39	LTE	UTE	WAR		90	INLET	510XB
150	24	0.10	142	P2	TWD	8	013	+0.31	LTE	UTE	WAR	5	92	INLET	510XB
150	26	0.13	134	P2	TWD	10	011	-0.28	LTE	UTE	WAR		92	INLET	510XB
		0.06	143	P2	TWD	5	013	-0.34	LTE	UTE	WAR		92	INLET	510XB
150	27	0.07	129	P2	TWD	5	007	-0.31	LTE	UTE	WAR		90	INLET	510XB
		0.13	128	P2	TWD	9	011	-0.31	LTE	UTE	WAR		90	INLET	510XB

Attachment 1 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
151	1	0.09	133	P2	TWD	7	008	-0.31	LTE	UTE	WAR		88	INLET	510XB
		0.07	148	P2	TWD	6	013	-0.34	LTE	UTE	WAR		88	INLET	510XB
151	4	0.17	138	P2	TWD	11	013	+0.38	LTE	UTE	WAR		86	INLET	510XB
151	5	0.09	139	P2	TWD	7	003	-0.25	LTE	UTE	WAR		88	INLET	510XB
151	6	0.22	148	P2	TWD	14	013	-0.31	LTE	UTE	WAR		86	INLET	510XB
151	7	0.09	143	P2	TWD	6	011	-0.34	LTE	UTE	WAR	0	86	INLET	510XB
151	9	0.21	140	P2	TWD	14	013	+0.36	LTE	UTE	WAR		90	INLET	510XB
151	13	0.11	137	P2	TWD	8	006	-0.33	LTE	UTE	WAR		90	INLET	510XB
151	16	1.87	35	Q3	VOL		015	+0.53	015	015	WAR		89	INLET	510XP
		0.72	136	P2	TWD	32	015	+0.62	LTE	UTE	WAR		90	INLET	510XB

Total Tubes : 2006
Total Records: 2970

Attachment 2 Service Induced Degradation

QUERY: u2sg

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
1	1	0.12	122	P2	TWD	10	011	-0.26	LTE	UTE	WAR		100	INLET	510XB
1	2	0.07	124	P2	TWD	7	007	-0.29	LTE	UTE	WAR		100	INLET	510XB
1	9	0.09	143	P2	TWD	6	013	+0.41	LTE	UTE	WAR		52	INLET	510XB
2	8	0.11	103	P2	TWD	9	010	-0.26	LTE	UTE	WAR		100	INLET	510XB
2	12	0.21	143	P2	TWD	16	013	+0.42	LTE	UTE	WAR		100	INLET	510XB
2	14	0.13	144	P2	TWD	8	010	-0.28	LTE	UTE	WAR		52	INLET	510XB
2	16	0.29	132	P2	TWD	21	010	-0.31	LTE	UTE	WAR		54	INLET	510XB
		1.11	120	110	VOL		010	-0.54	010	010	WAR		53	INLET	510XP
2	18	0.09	128	P2	TWD	8	011	-0.26	LTE	UTE	WAR		54	INLET	510XB
2	25	0.13	131	P2	TWD	8	007	-0.33	LTE	UTE	WAR		52	INLET	510XB
2	26	0.08	151	P2	TWD	5	007	+0.36	LTE	UTE	WAR		52	INLET	510XB
		0.15	132	P2	TWD	9	011	-0.28	LTE	UTE	WAR		52	INLET	510XB
2	27	0.18	139	P2	TWD	10	011	+0.39	LTE	UTE	WAR		52	INLET	510XB
		0.22	141	P2	TWD	12	013	+0.41	LTE	UTE	WAR		52	INLET	510XB
3	3	0.06	115	P2	TWD	6	003	-0.26	LTE	UTE	WAR		100	INLET	510XB
3	6	0.11	143	P2	TWD	10	011	+0.37	LTE	UTE	WAR	6	100	INLET	510XB
3	24	0.11	127	P2	TWD	6	010	-0.33	LTE	UTE	WAR		52	INLET	510XB
3	29	0.25	130	P2	TWD	19	010	-0.31	LTE	UTE	WAR		54	INLET	510XB
3	32	2.14	110	86	VOL		011	-0.23	011	011	WAR		51	INLET	510XP
		0.92	129	P2	TWD	32	011	-0.28	LTE	UTE	WAR		52	INLET	510XB
		0.11	138	P2	TWD	6	011	+0.41	LTE	UTE	WAR	0	52	INLET	510XB
3	34	0.15	131	P2	TWD	13	010	-0.26	LTE	UTE	WAR		54	INLET	510XB
4	5	0.07	141	P2	TWD	6	001	-0.23	LTE	UTE	WAR		100	INLET	510XB
4	8	0.16	140	P2	TWD	13	012	-0.31	LTE	UTE	WAR		100	INLET	510XB
4	11	0.06	97	P2	TWD	6	010	-0.39	LTE	UTE	WAR	4	42	INLET	510XB
4	14	0.13	142	P2	TWD	8	011	+0.36	LTE	UTE	WAR		40	INLET	510XB
4	19	0.08	150	P2	TWD	8	011	-0.34	LTE	UTE	WAR		42	INLET	510XB
4	21	0.17	134	P2	TWD	9	010	-0.34	LTE	UTE	WAR		52	INLET	510XB
		0.17	141	P2	TWD	10	013	+0.36	LTE	UTE	WAR		52	INLET	510XB
		0.13	148	P2	TWD	8	012	-0.39	LTE	UTE	WAR		52	INLET	510XB
4	22	0.09	153	P2	TWD	6	011	+0.36	LTE	UTE	WAR		52	INLET	510XB
4	25	0.11	146	P2	TWD	10	012	+0.37	LTE	UTE	WAR		54	INLET	510XB
4	35	0.07	140	P2	TWD	7	011	-0.34	LTE	UTE	WAR		54	INLET	510XB
4	36	0.09	135	P2	TWD	5	010	-0.31	LTE	UTE	WAR		52	INLET	510XB
5	5	0.07	123	P2	TWD	7	007	-0.31	LTE	UTE	WAR	5	42	INLET	510XB
5	13	0.13	146	P2	TWD	12	011	+0.37	LTE	UTE	WAR	4	42	INLET	510XB
5	17	0.25	145	P2	TWD	21	011	+0.37	LTE	UTE	WAR	2	42	INLET	510XB
		0.82	116	146	VOL		011	+0.42	011	011	WAR		41	INLET	510XP
5	19	0.16	141	P2	TWD	15	011	-0.37	LTE	UTE	WAR	0	42	INLET	510XB
5	20	0.09	145	P2	TWD	6	008	+0.44	LTE	UTE	WAR		40	INLET	510XB
		0.20	142	P2	TWD	12	012	+0.29	LTE	UTE	WAR		40	INLET	510XB
		0.18	150	P2	TWD	11	013	+0.34	LTE	UTE	WAR		40	INLET	510XB
		0.18	144	P2	TWD	11	012	-0.39	LTE	UTE	WAR	8	40	INLET	510XB
5	27	0.10	142	P2	TWD	9	011	-0.34	LTE	UTE	WAR	3	54	INLET	510XB
5	33	0.48	135	P2	TWD	29	011	-0.34	LTE	UTE	WAR		54	INLET	510XB
		1.42	114	110	VOL		011	-0.41	011	011	WAR		53	INLET	510XP
5	34	0.38	137	P2	TWD	18	012	-0.36	LTE	UTE	WAR		52	INLET	510XB
5	35	0.29	142	P2	TWD	21	010	-0.31	LTE	UTE	WAR		54	INLET	510XB
		0.94	111	86	VOL		010	-0.46	010	010	WAR		53	INLET	510XP
6	2	0.06	137	P2	TWD	6	007	-0.31	LTE	UTE	WAR		42	INLET	510XB
6	7	0.13	133	P2	TWD	8	010	-0.26	LTE	UTE	WAR		40	INLET	510XB
6	12	0.06	149	P2	TWD	7	010	-0.24	LTE	UTE	WAR	4	42	INLET	510XB
6	14	0.11	142	P2	TWD	10	011	+0.37	LTE	UTE	WAR	5	42	INLET	510XB
6	17	0.07	156	P2	TWD	5	010	+0.47	LTE	UTE	WAR		40	INLET	510XB
6	18	0.08	90	P2	TWD	9	010	-0.34	LTE	UTE	WAR		42	INLET	510XB
6	20	0.35	136	P2	TWD	26	012	-0.39	LTE	UTE	WAR		42	INLET	510XB
		0.23	144	P2	TWD	19	013	+0.34	LTE	UTE	WAR		42	INLET	510XB
		0.99	117	38	VOL		012	-0.39	012	012	WAR		41	INLET	510XP
6	32	0.23	135	P2	TWD	12	014	-0.42	LTE	UTE	WAR		52	INLET	510XB
6	37	0.41	140	P2	TWD	26	011	-0.36	LTE	UTE	WAR		54	INLET	510XB
		0.10	141	P2	TWD	9	011	+0.26	LTE	UTE	WAR	5	54	INLET	510XB
		1.04	115	2	VOL		011	-0.44	011	011	WAR		53	INLET	510XP
6	40	0.26	138	P2	TWD	19	011	+0.39	LTE	UTE	WAR		100	INLET	510XB
6	45	0.24	135	P2	TWD	18	011	-0.31	LTE	UTE	WAR		54	INLET	510XB
7	7	0.13	113	P2	TWD	11	010	-0.24	LTE	UTE	WAR	9	38	INLET	510XB
		0.06	135	P2	TWD	6	010	+0.39	LTE	UTE	WAR	5	38	INLET	510XB
7	13	0.12	138	P2	TWD	11	011	+0.37	LTE	UTE	WAR	4	42	INLET	510XB
7	14	0.13	111	P2	TWD	8	010	-0.29	LTE	UTE	WAR		40	INLET	510XB
		0.11	141	P2	TWD	7	010	+0.36	LTE	UTE	WAR	4	40	INLET	510XB
7	18	0.13	150	P2	TWD	8	013	+0.36	LTE	UTE	WAR		40	INLET	510XB
7	19	0.13	142	P2	TWD	12	011	-0.39	LTE	UTE	WAR		42	INLET	510XB
		0.19	138	P2	TWD	17	011	+0.37	LTE	UTE	WAR		42	INLET	510XB
7	20	0.12	143	P2	TWD	7	012	-0.39	LTE	UTE	WAR		40	INLET	510XB
		0.11	150	P2	TWD	7	013	+0.34	LTE	UTE	WAR		40	INLET	510XB
7	21	0.31	139	P2	TWD	24	011	-0.39	LTE	UTE	WAR		42	INLET	510XB
		0.09	123	P2	TWD	9	008	+0.42	LTE	UTE	WAR	6	42	INLET	510XB
		0.07	152	P2	TWD	8	011	+0.31	LTE	UTE	WAR	3	42	INLET	510XB
		1.08	94	66	VOL		011	-0.47	011	011	WAR		41	INLET	510XP
7	22	0.32	140	P2	TWD	17	012	-0.42	LTE	UTE	WAR		40	INLET	510XB
7	23	0.25	144	P2	TWD	21	012	+0.32	LTE	UTE	WAR		42	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.82	119	122	VOL		012	+0.29	012	012	WAR		41	INLET	510XP
7	27	0.35	141	P2	TWD	18	014	-0.44	LTE	UTE	WAR		40	INLET	510XB
7	32	0.09	148	P2	TWD	5	011	-0.36	LTE	UTE	WAR		52	INLET	510XB
7	34	0.33	140	P2	TWD	17	011	+0.34	LTE	UTE	WAR		52	INLET	510XB
7	39	0.25	140	P2	TWD	19	012	-0.39	LTE	UTE	WAR		54	INLET	510XB
7	43	0.11	146	P2	TWD	9	010	-0.31	LTE	UTE	WAR		54	INLET	510XB
7	44	0.20	143	P2	TWD	11	010	-0.33	LTE	UTE	WAR		52	INLET	510XB
7	49	0.13	143	P2	TWD	12	012	-0.34	LTE	UTE	WAR		54	INLET	510XB
7	51	0.18	134	P2	TWD	15	011	-0.34	LTE	UTE	WAR	4	54	INLET	510XB
8	8	0.08	123	P2	TWD	5	010	+0.36	LTE	UTE	WAR		36	INLET	510XB
8	9	0.13	126	P2	TWD	11	010	-0.31	LTE	UTE	WAR		38	INLET	510XB
		0.07	151	P2	TWD	7	010	+0.42	LTE	UTE	WAR		38	INLET	510XB
8	12	0.17	121	P2	TWD	10	010	+0.39	LTE	UTE	WAR	0	36	INLET	510XB
8	13	0.10	128	P2	TWD	9	010	+0.31	LTE	UTE	WAR	0	38	INLET	510XB
8	15	0.23	123	P2	TWD	18	010	+0.37	LTE	UTE	WAR		38	INLET	510XB
8	16	0.24	137	P2	TWD	13	010	+0.44	LTE	UTE	WAR		36	INLET	510XB
8	17	0.14	143	P2	TWD	12	010	+0.47	LTE	UTE	WAR		38	INLET	510XB
8	19	0.06	142	P2	TWD	6	010	-0.37	LTE	UTE	WAR		38	INLET	510XB
8	23	0.15	149	P2	TWD	12	013	+0.37	LTE	UTE	WAR		38	INLET	510XB
8	26	0.15	146	P2	TWD	9	012	+0.23	LTE	UTE	WAR		36	INLET	510XB
8	27	0.06	138	P2	TWD	6	011	-0.39	LTE	UTE	WAR		38	INLET	510XB
		0.07	156	P2	TWD	6	011	+0.31	LTE	UTE	WAR		38	INLET	510XB
8	35	0.30	142	P2	TWD	22	011	-0.44	LTE	UTE	WAR		54	INLET	510XB
		1.67	108	30	VOL		011	-0.60	011	011	WAR		53	INLET	510XP
8	36	0.12	147	P2	TWD	7	012	+0.26	LTE	UTE	WAR	4	52	INLET	510XB
8	40	0.22	147	P2	TWD	12	012	-0.41	LTE	UTE	WAR		52	INLET	510XB
		0.24	143	P2	TWD	13	013	+0.34	LTE	UTE	WAR		52	INLET	510XB
8	42	0.08	132	P2	TWD	5	010	-0.38	LTE	UTE	WAR		52	INLET	510XB
8	46	0.19	144	P2	TWD	11	012	-0.36	LTE	UTE	WAR	4	52	INLET	510XB
8	50	0.10	143	P2	TWD	6	010	-0.33	LTE	UTE	WAR		52	INLET	510XB
8	51	0.08	148	P2	TWD	7	010	-0.31	LTE	UTE	WAR		54	INLET	510XB
8	53	0.09	123	P2	TWD	8	010	-0.31	LTE	UTE	WAR		54	INLET	510XB
8	57	0.15	142	P2	TWD	13	011	-0.34	LTE	UTE	WAR		54	INLET	510XB
9	4	0.08	105	P2	TWD	5	003	-0.28	LTE	UTE	WAR		36	INLET	510XB
9	9	0.06	140	P2	TWD	6	010	+0.26	LTE	UTE	WAR		38	INLET	510XB
		0.09	143	P2	TWD	8	011	+0.37	LTE	UTE	WAR	0	38	INLET	510XB
9	11	0.11	148	P2	TWD	10	011	+0.34	LTE	UTE	WAR	0	38	INLET	510XB
9	13	1.41	107	122	VOL		012	+0.24	012	012	WAR		37	INLET	510XP
		0.08	131	P2	TWD	7	010	+0.21	LTE	UTE	WAR		38	INLET	510XB
		0.16	138	P2	TWD	13	012	-0.39	LTE	UTE	WAR		38	INLET	510XB
		0.66	132	P2	TWD	34	012	+0.31	LTE	UTE	WAR		38	INLET	510XB
		0.12	141	P2	TWD	10	013	+0.37	LTE	UTE	WAR		38	INLET	510XB
9	15	0.08	146	P2	TWD	7	010	+0.16	LTE	UTE	WAR		38	INLET	510XB
9	16	0.10	133	P2	TWD	6	010	+0.36	LTE	UTE	WAR		36	INLET	510XB
9	17	0.12	125	P2	TWD	11	010	+0.31	LTE	UTE	WAR		38	INLET	510XB
9	18	0.09	142	P2	TWD	6	010	+0.21	LTE	UTE	WAR		36	INLET	510XB
9	23	0.14	140	P2	TWD	12	011	-0.42	LTE	UTE	WAR	0	38	INLET	510XB
9	25	0.16	143	P2	TWD	13	012	+0.26	LTE	UTE	WAR	0	38	INLET	510XB
9	47	0.33	145	P2	TWD	23	012	-0.45	LTE	UTE	WAR		54	INLET	510XB
		1.27	114	2	VOL		012	-0.45	012	012	WAR		53	INLET	510XP
9	48	0.12	137	P2	TWD	7	010	-0.36	LTE	UTE	WAR	0	52	INLET	510XB
9	50	0.11	142	P2	TWD	7	011	-0.39	LTE	UTE	WAR		52	INLET	510XB
9	51	0.46	134	P2	TWD	28	010	-0.36	LTE	UTE	WAR		54	INLET	510XB
		1.90	98	30	VOL		010	-0.39	010	010	WAR		53	INLET	510XP
9	52	0.18	140	P2	TWD	10	010	-0.36	LTE	UTE	WAR		52	INLET	510XB
9	57	0.12	140	P2	TWD	11	010	-0.33	LTE	UTE	WAR		54	INLET	510XB
10	10	0.19	147	P2	TWD	11	012	-0.36	LTE	UTE	WAR		36	INLET	510XB
10	13	0.17	136	P2	TWD	14	012	+0.24	LTE	UTE	WAR		38	INLET	510XB
		0.24	141	P2	TWD	18	012	-0.42	LTE	UTE	WAR	0	38	INLET	510XB
10	14	2.35	101	90	VOL		012	-0.47	012	012	WAR		35	INLET	510XP
		0.69	138	P2	TWD	28	012	-0.42	LTE	UTE	WAR		36	INLET	510XB
10	16	0.17	150	P2	TWD	10	012	-0.39	LTE	UTE	WAR		36	INLET	510XB
10	17	0.23	138	P2	TWD	18	012	+0.24	LTE	UTE	WAR		38	INLET	510XB
10	19	0.19	141	P2	TWD	16	009	-0.42	LTE	UTE	WAR		38	INLET	510XB
10	21	0.84	115	62	VOL		009	-0.49	009	009	WAR		37	INLET	510XP
		0.30	141	P2	TWD	22	009	-0.39	LTE	UTE	WAR		38	INLET	510XB
10	22	0.15	147	P2	TWD	9	013	+0.34	LTE	UTE	WAR	8	36	INLET	510XB
10	23	1.49	101	90	VOL		009	-0.44	009	009	WAR		37	INLET	510XP
		0.41	137	P2	TWD	26	009	-0.47	LTE	UTE	WAR		38	INLET	510XB
10	29	0.10	150	P2	TWD	9	014	-0.50	LTE	UTE	WAR		38	INLET	510XB
		0.06	144	P2	TWD	6	014	+0.26	LTE	UTE	WAR		38	INLET	510XB
10	31	0.07	150	P2	TWD	6	009	-0.44	LTE	UTE	WAR		38	INLET	510XB
		0.19	148	P2	TWD	15	009	+0.55	LTE	UTE	WAR	0	38	INLET	510XB
10	33	0.09	152	P2	TWD	6	011	-0.44	LTE	UTE	WAR		52	INLET	510XB
		0.16	141	P2	TWD	9	013	-0.49	LTE	UTE	WAR		52	INLET	510XB
10	52	0.22	143	P2	TWD	12	012	-0.41	LTE	UTE	WAR		52	INLET	510XB
10	54	0.22	141	P2	TWD	12	012	-0.39	LTE	UTE	WAR		52	INLET	510XB
11	2	0.06	131	P2	TWD	4	002	-0.23	LTE	UTE	WAR		36	INLET	510XB
11	9	0.13	154	P2	TWD	11	012	-0.39	LTE	UTE	WAR	0	38	INLET	510XB
11	12	1.29	112	110	VOL		011	-0.36	011	011	WAR		35	INLET	510XP

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.41	137	P2	TWD	20	011	-0.39	LTE	UTE	WAR		36	INLET	510XB
		0.14	146	P2	TWD	9	011	+0.34	LTE	UTE	WAR		36	INLET	510XB
11	13	0.21	144	P2	TWD	17	011	-0.37	LTE	UTE	WAR	8	38	INLET	510XB
11	16	0.11	138	P2	TWD	7	012	-0.36	LTE	UTE	WAR		36	INLET	510XB
		0.21	133	P2	TWD	12	012	+0.29	LTE	UTE	WAR		36	INLET	510XB
		0.06	143	P2	TWD	4	013	+0.31	LTE	UTE	WAR		36	INLET	510XB
11	19	0.08	114	P2	TWD	7	008	+0.00	LTE	UTE	WAR	5	38	INLET	510XB
11	20	0.24	147	P2	TWD	13	012	-0.39	LTE	UTE	WAR		36	INLET	510XB
11	22	0.11	128	P2	TWD	7	013	+0.29	LTE	UTE	WAR		36	INLET	510XB
11	42	0.16	144	P2	TWD	13	012	-0.47	LTE	UTE	WAR		54	INLET	510XB
11	52	0.15	147	P2	TWD	13	010	-0.39	LTE	UTE	WAR		54	INLET	510XB
11	54	0.13	132	P2	TWD	12	010	-0.36	LTE	UTE	WAR		54	INLET	510XB
		0.07	155	P2	TWD	7	013	+0.31	LTE	UTE	WAR		54	INLET	510XB
11	60	0.10	153	P2	TWD	9	011	+0.42	LTE	UTE	WAR	4	54	INLET	510XB
11	65	0.13	140	P2	TWD	7	011	+0.36	LTE	UTE	WAR	4	52	INLET	510XB
11	68	1.65	101	106	VOL		012	-0.37	012	012	WAR		75	INLET	510XP
		0.06	150	P2	TWD	6	007	-0.31	LTE	UTE	WAR		76	INLET	510XB
		0.39	131	P2	TWD	26	012	-0.29	LTE	UTE	WAR		76	INLET	510XB
12	1	0.12	133	P2	TWD	11	001	-0.18	LTE	UTE	WAR		30	INLET	510XB
12	2	0.07	127	P2	TWD	5	007	-0.28	LTE	UTE	WAR		28	INLET	510XB
		0.10	138	P2	TWD	7	010	-0.26	LTE	UTE	WAR		28	INLET	510XB
12	10	0.20	144	P2	TWD	16	012	-0.39	LTE	UTE	WAR		38	INLET	510XB
		0.05	143	P2	TWD	5	012	+0.29	LTE	UTE	WAR		38	INLET	510XB
12	11	0.22	145	P2	TWD	12	012	-0.42	LTE	UTE	WAR		36	INLET	510XB
12	13	0.24	147	P2	TWD	13	012	-0.44	LTE	UTE	WAR		36	INLET	510XB
12	14	0.24	144	P2	TWD	19	012	+0.21	LTE	UTE	WAR		38	INLET	510XB
12	18	0.16	149	P2	TWD	14	012	+0.24	LTE	UTE	WAR		38	INLET	510XB
12	20	0.23	143	P2	TWD	18	011	-0.44	LTE	UTE	WAR		38	INLET	510XB
12	30	0.19	138	P2	TWD	16	012	+0.16	LTE	UTE	WAR		38	INLET	510XB
		0.11	141	P2	TWD	10	013	+0.26	LTE	UTE	WAR		38	INLET	510XB
		0.13	152	P2	TWD	11	012	-0.50	LTE	UTE	WAR	6	38	INLET	510XB
		0.12	141	P2	TWD	11	013	-0.50	LTE	UTE	WAR	6	38	INLET	510XB
12	34	0.24	140	P2	TWD	18	012	-0.47	LTE	UTE	WAR		38	INLET	510XB
12	39	0.21	140	P2	TWD	12	012	-0.52	LTE	UTE	WAR		56	INLET	510XB
		0.14	139	P2	TWD	9	013	-0.60	LTE	UTE	WAR		56	INLET	510XB
		0.08	157	P2	TWD	5	013	+0.21	LTE	UTE	WAR		56	INLET	510XB
12	52	0.15	139	P2	TWD	13	012	+0.24	LTE	UTE	WAR		58	INLET	510XB
12	64	0.09	149	P2	TWD	8	012	-0.37	LTE	UTE	WAR		58	INLET	510XB
12	65	0.15	139	P2	TWD	9	010	-0.31	LTE	UTE	WAR		56	INLET	510XB
12	71	0.06	131	P2	TWD	5	006	-0.31	LTE	UTE	WAR	4	76	INLET	510XB
		0.04	95	P2	TWD	4	006	+0.70	LTE	UTE	WAR	3	76	INLET	510XB
13	2	0.06	144	P2	TWD	4	007	-0.33	LTE	UTE	WAR		28	INLET	510XB
13	9	0.34	139	P2	TWD	18	011	+0.31	LTE	UTE	WAR	0	36	INLET	510XB
13	12	0.15	143	P2	TWD	12	011	-0.42	LTE	UTE	WAR		38	INLET	510XB
13	13	0.19	141	P2	TWD	11	012	+0.18	LTE	UTE	WAR		36	INLET	510XB
13	14	0.09	154	P2	TWD	8	012	+0.23	LTE	UTE	WAR		38	INLET	510XB
13	17	0.26	147	P2	TWD	14	012	-0.42	LTE	UTE	WAR		36	INLET	510XB
		0.16	146	P2	TWD	9	012	+0.21	LTE	UTE	WAR		36	INLET	510XB
13	18	0.10	140	P2	TWD	9	014	-0.47	LTE	UTE	WAR		38	INLET	510XB
13	23	2.73	103	90	VOL		012	-0.49	012	012	WAR		35	INLET	510XP
		0.26	146	P2	TWD	14	011	-0.47	LTE	UTE	WAR		36	INLET	510XB
		0.12	143	P2	TWD	7	011	+0.26	LTE	UTE	WAR		36	INLET	510XB
		0.58	138	P2	TWD	25	012	-0.44	LTE	UTE	WAR		36	INLET	510XB
		0.13	147	P2	TWD	8	012	+0.21	LTE	UTE	WAR		36	INLET	510XB
		0.16	141	P2	TWD	9	013	+0.29	LTE	UTE	WAR		36	INLET	510XB
13	30	0.08	156	P2	TWD	8	012	-0.50	LTE	UTE	WAR		38	INLET	510XB
13	33	0.15	150	P2	TWD	9	012	-0.49	LTE	UTE	WAR	0	36	INLET	510XB
13	48	0.08	146	P2	TWD	5	013	+0.21	LTE	UTE	WAR		56	INLET	510XB
13	56	0.12	149	P2	TWD	7	013	+0.28	LTE	UTE	WAR		56	INLET	510XB
13	61	0.09	143	P2	TWD	8	010	-0.39	LTE	UTE	WAR		58	INLET	510XB
		0.16	148	P2	TWD	13	012	-0.42	LTE	UTE	WAR		58	INLET	510XB
13	63	0.07	136	P2	TWD	6	012	+0.24	LTE	UTE	WAR		58	INLET	510XB
		0.10	153	P2	TWD	9	012	-0.42	LTE	UTE	WAR	0	58	INLET	510XB
13	65	0.07	147	P2	TWD	7	013	+0.29	LTE	UTE	WAR	4	58	INLET	510XB
13	67	0.12	142	P2	TWD	10	010	-0.31	LTE	UTE	WAR		58	INLET	510XB
14	1	0.09	97	P2	TWD	9	007	-0.31	LTE	UTE	WAR	6	30	INLET	510XB
14	2	0.07	144	P2	TWD	5	007	+0.33	LTE	UTE	WAR		28	INLET	510XB
14	4	0.11	129	P2	TWD	8	007	+0.36	LTE	UTE	WAR		28	INLET	510XB
14	10	0.34	135	P2	TWD	19	011	+0.36	LTE	UTE	WAR		32	INLET	510XB
14	12	0.20	142	P2	TWD	12	012	-0.44	LTE	UTE	WAR		32	INLET	510XB
		0.25	144	P2	TWD	15	012	+0.23	LTE	UTE	WAR		32	INLET	510XB
14	13	0.26	148	P2	TWD	15	012	+0.23	LTE	UTE	WAR		32	INLET	510XB
		0.07	154	P2	TWD	5	012	-0.46	LTE	UTE	WAR	0	32	INLET	510XB
14	15	0.19	139	P2	TWD	12	012	-0.44	LTE	UTE	WAR		32	INLET	510XB
14	16	0.24	145	P2	TWD	14	012	-0.46	LTE	UTE	WAR		32	INLET	510XB
		0.18	142	P2	TWD	12	012	+0.21	LTE	UTE	WAR		32	INLET	510XB
14	18	0.07	154	P2	TWD	7	012	+0.18	LTE	UTE	WAR	1	38	INLET	510XB
14	33	0.16	146	P2	TWD	10	012	-0.52	LTE	UTE	WAR	0	36	INLET	510XB
		0.14	146	P2	TWD	8	012	+0.16	LTE	UTE	WAR	0	36	INLET	510XB
14	34	0.08	142	P2	TWD	8	010	-0.47	LTE	UTE	WAR		38	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
14	68	0.20	125	P2	TWD	16	010 -0.33	LTE	UTE	WAR		58	INLET	510XB
14	73	0.09	146	P2	TWD	9	007 +0.34	LTE	UTE	WAR		76	INLET	510XB
15	3	0.07	136	P2	TWD	7	007 +0.34	LTE	UTE	WAR	6	30	INLET	510XB
15	4	1.35	118	146	VOL		011 +0.46	011	011	WAR		27	INLET	510XP
		0.44	137	P2	TWD	23	011 +0.41	LTE	UTE	WAR		28	INLET	510XB
15	6	2.58	57	P10	VOL		011 +0.42	011	011	WAR		99	INLET	510XP
		0.48	139	P2	TWD	29	011 +0.42	LTE	UTE	WAR		100	INLET	510XB
15	8	0.20	141	P2	TWD	16	011 +0.37	LTE	UTE	WAR		100	INLET	510XB
15	10	0.16	149	P2	TWD	13	011 -0.39	LTE	UTE	WAR		100	INLET	510XB
15	14	0.05	153	P2	TWD	5	011 -0.44	LTE	UTE	WAR		100	INLET	510XB
15	18	0.08	148	P2	TWD	8	012 +0.21	LTE	UTE	WAR		38	INLET	510XB
15	25	0.11	144	P2	TWD	7	014 -0.49	LTE	UTE	WAR		36	INLET	510XB
		0.11	151	P2	TWD	7	013 -0.47	LTE	UTE	WAR	3	36	INLET	510XB
		0.12	137	P2	TWD	7	013 +0.23	LTE	UTE	WAR	0	36	INLET	510XB
15	30	0.06	161	P2	TWD	5	013 +0.21	LTE	UTE	WAR		38	INLET	510XB
15	32	0.05	146	P2	TWD	4	012 +0.21	LTE	UTE	WAR		38	INLET	510XB
15	67	0.07	148	P2	TWD	7	007 -0.39	LTE	UTE	WAR		58	INLET	510XB
15	69	3.66	92	58	VOL		010 -0.36	010	010	WAR		57	INLET	510XP
		1.04	126	P2	TWD	42	010 -0.36	LTE	UTE	WAR	LAR	58	INLET	510XB
15	71	0.12	143	P2	TWD	10	010 -0.33	LTE	UTE	WAR		58	INLET	510XB
15	77	0.36	141	P2	TWD	19	011 -0.34	LTE	UTE	WAR		74	INLET	510XB
16	2	0.11	136	P2	TWD	10	007 +0.36	LTE	UTE	WAR		30	INLET	510XB
16	8	0.11	148	P2	TWD	7	012 +0.31	LTE	UTE	WAR	6	32	INLET	510XB
16	10	0.10	66	P2	TWD	7	011 -0.28	LTE	UTE	WAR	6	32	INLET	510XB
16	13	0.17	152	P2	TWD	14	012 -0.45	LTE	UTE	WAR	4	100	INLET	510XB
16	19	0.07	155	P2	TWD	7	012 +0.21	LTE	UTE	WAR		38	INLET	510XB
		0.13	151	P2	TWD	11	012 -0.47	LTE	UTE	WAR	7	38	INLET	510XB
16	24	0.11	149	P2	TWD	7	013 -0.47	LTE	UTE	WAR		36	INLET	510XB
		0.08	134	P2	TWD	5	012 +0.10	LTE	UTE	WAR		36	INLET	510XB
16	27	0.10	155	P2	TWD	9	014 +0.21	LTE	UTE	WAR		38	INLET	510XB
16	30	0.13	142	P2	TWD	8	014 -0.55	LTE	UTE	WAR	0	36	INLET	510XB
16	39	0.22	142	P2	TWD	17	014 -0.63	LTE	UTE	WAR		38	INLET	510XB
16	44	0.20	140	P2	TWD	16	012 -0.58	LTE	UTE	WAR		64	INLET	510XB
		0.09	139	P2	TWD	8	012 +0.13	LTE	UTE	WAR		64	INLET	510XB
16	46	0.05	159	P2	TWD	5	009 -0.47	LTE	UTE	WAR		64	INLET	510XB
16	65	1.33	111	26	VOL		012 -0.47	012	012	WAR		57	INLET	510XP
		0.15	146	P2	TWD	12	011 +0.31	LTE	UTE	WAR		58	INLET	510XB
		0.28	144	P2	TWD	20	012 -0.47	LTE	UTE	WAR	0	58	INLET	510XB
16	69	0.20	138	P2	TWD	16	011 -0.41	LTE	UTE	WAR		58	INLET	510XB
16	76	0.05	144	P2	TWD	3	011 -0.36	LTE	UTE	WAR		74	INLET	510XB
16	77	0.15	139	P2	TWD	13	011 -0.34	LTE	UTE	WAR		76	INLET	510XB
17	7	0.16	146	P2	TWD	10	012 -0.41	LTE	UTE	WAR		28	INLET	510XB
		0.34	140	P2	TWD	19	012 +0.26	LTE	UTE	WAR		28	INLET	510XB
		0.21	135	P2	TWD	13	013 +0.34	LTE	UTE	WAR		28	INLET	510XB
17	21	0.09	121	P2	TWD	5	012 +0.16	LTE	UTE	WAR	0	36	INLET	510XB
17	27	0.17	141	P2	TWD	10	012 -0.52	LTE	UTE	WAR		36	INLET	510XB
17	33	0.11	145	P2	TWD	7	012 -0.57	LTE	UTE	WAR		36	INLET	510XB
17	34	0.11	136	P2	TWD	10	012 -0.52	LTE	UTE	WAR	0	38	INLET	510XB
17	44	0.10	125	P2	TWD	7	011 -0.54	LTE	UTE	WAR		62	INLET	510XB
17	62	0.07	155	P2	TWD	5	012 -0.51	LTE	UTE	WAR		62	INLET	510XB
17	69	0.12	146	P2	TWD	10	011 -0.42	LTE	UTE	WAR		68	INLET	510XB
17	70	1.49	50	P15	VOL		012 -0.49	012	012	WAR		99	INLET	510XP
		0.11	153	P2	TWD	10	011 -0.41	LTE	UTE	WAR		100	INLET	510XB
		0.30	135	P2	TWD	21	012 -0.42	LTE	UTE	WAR		100	INLET	510XB
17	76	0.08	147	P2	TWD	8	011 -0.36	LTE	UTE	WAR	4	76	INLET	510XB
17	82	0.10	145	P2	TWD	9	011 +0.39	LTE	UTE	WAR	0	76	INLET	510XB
18	5	0.07	143	P2	TWD	5	007 +0.33	LTE	UTE	WAR		28	INLET	510XB
18	15	0.06	132	P2	TWD	6	012 +0.21	LTE	UTE	WAR		30	INLET	510XB
18	21	0.08	151	P2	TWD	8	013 +0.29	LTE	UTE	WAR	4	30	INLET	510XB
18	25	0.26	137	P2	TWD	19	014 -0.55	LTE	UTE	WAR		38	INLET	510XB
		0.11	153	P2	TWD	10	013 -0.45	LTE	UTE	WAR	0	38	INLET	510XB
		0.18	140	P2	TWD	14	013 +0.26	LTE	UTE	WAR	0	38	INLET	510XB
18	28	0.17	129	P2	TWD	10	014 -0.55	LTE	UTE	WAR	0	36	INLET	510XB
18	35	1.44	104	158	VOL		012 -0.52	012	012	WAR		37	INLET	510XP
		0.40	128	P2	TWD	26	012 -0.55	LTE	UTE	WAR		38	INLET	510XB
18	37	0.07	156	P2	TWD	7	009 -0.52	LTE	UTE	WAR		38	INLET	510XB
18	38	0.11	148	P2	TWD	7	009 +0.26	LTE	UTE	WAR	0	36	INLET	510XB
18	44	0.07	130	P2	TWD	6	013 +0.16	LTE	UTE	WAR		68	INLET	510XB
18	45	0.05	147	P2	TWD	5	009 -0.44	LTE	UTE	WAR		68	INLET	510XB
		0.17	139	P2	TWD	14	012 -0.63	LTE	UTE	WAR	0	68	INLET	510XB
18	46	0.12	147	P2	TWD	11	009 -0.44	LTE	UTE	WAR		68	INLET	510XB
18	48	0.15	143	P2	TWD	12	010 -0.52	LTE	UTE	WAR		68	INLET	510XB
18	50	0.13	148	P2	TWD	11	009 -0.44	LTE	UTE	WAR		68	INLET	510XB
18	52	0.13	146	P2	TWD	11	012 +0.16	LTE	UTE	WAR		68	INLET	510XB
18	54	0.08	137	P2	TWD	8	014 +0.13	LTE	UTE	WAR		68	INLET	510XB
18	77	0.08	150	P2	TWD	8	014 -0.45	LTE	UTE	WAR	4	76	INLET	510XB
19	3	0.07	150	P2	TWD	7	011 +0.42	LTE	UTE	WAR	0	30	INLET	510XB
19	13	0.09	122	P2	TWD	6	012 -0.46	LTE	UTE	WAR		28	INLET	510XB
19	14	0.09	147	P2	TWD	8	011 +0.24	LTE	UTE	WAR		30	INLET	510XB
		0.07	156	P2	TWD	7	012 -0.47	LTE	UTE	WAR		30	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.07	159	P2	TWD	7	013	-0.45	LTE	UTE	WAR		30	INLET	510XB
		0.07	158	P2	TWD	7	013	+0.29	LTE	UTE	WAR		30	INLET	510XB
19	16	0.07	154	P2	TWD	7	012	-0.50	LTE	UTE	WAR		30	INLET	510XB
		0.15	150	P2	TWD	13	014	-0.53	LTE	UTE	WAR		30	INLET	510XB
		0.10	147	P2	TWD	9	014	+0.21	LTE	UTE	WAR		30	INLET	510XB
19	26	0.09	142	P2	TWD	8	013	-0.52	LTE	UTE	WAR		38	INLET	510XB
		0.10	116	P2	TWD	9	013	+0.24	LTE	UTE	WAR		38	INLET	510XB
19	27	0.19	136	P2	TWD	11	009	+0.29	LTE	UTE	WAR		36	INLET	510XB
19	30	0.19	131	P2	TWD	16	014	-0.58	LTE	UTE	WAR		38	INLET	510XB
19	44	0.08	132	P2	TWD	7	009	-0.42	LTE	UTE	WAR		68	INLET	510XB
19	46	0.15	128	P2	TWD	12	012	-0.63	LTE	UTE	WAR		68	INLET	510XB
		0.06	155	P2	TWD	6	009	-0.42	LTE	UTE	WAR		68	INLET	510XB
19	50	0.09	147	P2	TWD	8	009	-0.44	LTE	UTE	WAR		68	INLET	510XB
19	51	0.07	140	P2	TWD	6	010	+0.18	LTE	UTE	WAR	0	68	INLET	510XB
19	52	0.08	145	P2	TWD	7	009	-0.47	LTE	UTE	WAR		68	INLET	510XB
19	66	0.07	148	P2	TWD	7	010	-0.44	LTE	UTE	WAR	4	68	INLET	510XB
19	73	0.21	139	P2	TWD	16	010	-0.39	LTE	UTE	WAR	2	68	INLET	510XB
19	74	0.11	152	P2	TWD	10	013	-0.42	LTE	UTE	WAR		68	INLET	510XB
		0.15	147	P2	TWD	12	013	+0.29	LTE	UTE	WAR		68	INLET	510XB
		0.37	137	P2	TWD	24	014	-0.52	LTE	UTE	WAR		68	INLET	510XB
		1.38	123	P2	TWD	47	010	-0.39	LTE	UTE	WAR	LAR	68	INLET	510XB
		3.88	90	82	VOL		010	-0.36	010	010	WAR		67	INLET	510XP
		1.18	70	P27	VOL		014	-0.54	014	014	WAR		67	INLET	510XP
19	77	0.05	148	P2	TWD	3	010	-0.39	LTE	UTE	WAR		74	INLET	510XB
20	2	0.11	129	P2	TWD	10	007	+0.39	LTE	UTE	WAR		30	INLET	510XB
20	8	0.12	137	P2	TWD	11	013	+0.34	LTE	UTE	WAR	6	30	INLET	510XB
20	14	0.08	154	P2	TWD	6	011	-0.46	LTE	UTE	WAR		28	INLET	510XB
20	20	0.07	126	P2	TWD	5	013	+0.28	LTE	UTE	WAR	0	28	INLET	510XB
20	25	0.19	129	P2	TWD	16	014	-0.58	LTE	UTE	WAR		30	INLET	510XB
20	26	0.09	103	P2	TWD	6	014	-0.61	LTE	UTE	WAR		28	INLET	510XB
20	31	0.12	133	P2	TWD	11	012	-0.55	LTE	UTE	WAR		38	INLET	510XB
20	38	0.08	148	P2	TWD	5	009	+0.28	LTE	UTE	WAR		36	INLET	510XB
20	43	0.09	129	P2	TWD	8	009	+0.28	LTE	UTE	WAR	0	38	INLET	510XB
20	46	0.10	141	P2	TWD	8	009	-0.47	LTE	UTE	WAR		68	INLET	510XB
20	52	0.06	147	P2	TWD	6	009	-0.47	LTE	UTE	WAR	2	68	INLET	510XB
20	54	0.06	146	P2	TWD	6	008	+0.36	LTE	UTE	WAR	3	68	INLET	510XB
		0.07	136	P2	TWD	7	011	+0.16	LTE	UTE	WAR	3	68	INLET	510XB
20	57	0.14	149	P2	TWD	12	012	-0.58	LTE	UTE	WAR	3	68	INLET	510XB
20	60	0.06	90	P2	TWD	6	010	+0.16	LTE	UTE	WAR	4	68	INLET	510XB
20	61	0.23	138	P2	TWD	18	012	-0.55	LTE	UTE	WAR		68	INLET	510XB
		0.07	98	P2	TWD	7	012	+0.18	LTE	UTE	WAR	3	68	INLET	510XB
20	65	0.10	136	P2	TWD	8	014	+0.16	LTE	UTE	WAR		68	INLET	510XB
		0.07	156	P2	TWD	6	009	-0.41	LTE	UTE	WAR	3	68	INLET	510XB
20	67	0.10	137	P2	TWD	8	012	-0.50	LTE	UTE	WAR	0	68	INLET	510XB
20	72	0.13	143	P2	TWD	11	012	-0.44	LTE	UTE	WAR		68	INLET	510XB
20	74	0.12	140	P2	TWD	10	011	+0.26	LTE	UTE	WAR		68	INLET	510XB
20	75	0.09	139	P2	TWD	8	011	+0.23	LTE	UTE	WAR	4	68	INLET	510XB
20	76	0.71	129	P2	TWD	35	010	-0.36	LTE	UTE	WAR		68	INLET	510XB
		2.48	72	P9	VOL		010	-0.38	010	010	WAR		67	INLET	510XP
21	1	0.06	138	P2	TWD	6	007	-0.34	LTE	UTE	WAR	4	26	INLET	510XB
21	3	0.05	139	P2	TWD	5	011	-0.39	LTE	UTE	WAR		26	INLET	510XB
21	10	0.06	122	P2	TWD	4	009	-0.44	LTE	UTE	WAR		28	INLET	510XB
21	13	0.09	149	P2	TWD	6	012	+0.23	LTE	UTE	WAR		28	INLET	510XB
21	14	0.16	146	P2	TWD	13	011	-0.39	LTE	UTE	WAR	0	30	INLET	510XB
		0.07	150	P2	TWD	7	011	+0.24	LTE	UTE	WAR	0	30	INLET	510XB
21	16	0.12	150	P2	TWD	11	012	-0.50	LTE	UTE	WAR		30	INLET	510XB
21	19	0.25	140	P2	TWD	15	012	+0.18	LTE	UTE	WAR		28	INLET	510XB
21	39	0.20	136	P2	TWD	11	012	-0.57	LTE	UTE	WAR		36	INLET	510XB
		0.20	147	P2	TWD	12	012	+0.13	LTE	UTE	WAR		36	INLET	510XB
21	47	0.09	94	P2	TWD	8	012	-0.63	LTE	UTE	WAR		68	INLET	510XB
21	48	0.11	121	P2	TWD	10	012	-0.66	LTE	UTE	WAR		68	INLET	510XB
21	49	0.07	147	P2	TWD	7	009	-0.47	LTE	UTE	WAR		68	INLET	510XB
21	51	0.07	153	P2	TWD	6	009	-0.47	LTE	UTE	WAR		68	INLET	510XB
21	55	0.15	126	P2	TWD	12	012	-0.58	LTE	UTE	WAR	5	68	INLET	510XB
21	75	0.14	150	P2	TWD	8	011	-0.46	LTE	UTE	WAR		70	INLET	510XB
21	76	0.05	141	P2	TWD	5	008	+0.39	LTE	UTE	WAR	2	72	INLET	510XB
21	78	0.24	148	P2	TWD	19	012	-0.42	LTE	UTE	WAR		72	INLET	510XB
21	79	2.90	94	130	VOL		010	-0.42	010	010	WAR		73	INLET	510XP
		0.67	131	P2	TWD	28	010	-0.37	LTE	UTE	WAR		74	INLET	510XB
		0.16	152	P2	TWD	10	012	-0.42	LTE	UTE	WAR	2	74	INLET	510XB
21	80	0.20	141	P2	TWD	16	014	-0.53	LTE	UTE	WAR		76	INLET	510XB
21	86	0.08	144	P2	TWD	8	010	-0.34	LTE	UTE	WAR		76	INLET	510XB
		0.16	81	P2	TWD	13	010	+0.68	LTE	UTE	WAR	10	76	INLET	510XB
22	9	0.18	152	P2	TWD	11	012	-0.39	LTE	UTE	WAR		24	INLET	510XB
22	14	0.16	152	P2	TWD	13	012	-0.47	LTE	UTE	WAR		30	INLET	510XB
		0.07	150	P2	TWD	7	013	-0.50	LTE	UTE	WAR		30	INLET	510XB
22	31	0.13	137	P2	TWD	12	012	-0.58	LTE	UTE	WAR	7	30	INLET	510XB
		0.05	146	P2	TWD	5	012	+0.13	LTE	UTE	WAR	4	30	INLET	510XB
22	32	0.06	126	P2	TWD	5	009	-0.51	LTE	UTE	WAR		28	INLET	510XB
22	34	0.05	94	P2	TWD	3	009	-0.47	LTE	UTE	WAR		36	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.05	155	P2	TWD	3	013	+0.16	LTE	UTE	WAR		36	INLET	510XB
22	37	0.15	145	P2	TWD	13	012	+0.08	LTE	UTE	WAR		38	INLET	510XB
22	48	0.09	152	P2	TWD	8	009	-0.47	LTE	UTE	WAR		72	INLET	510XB
22	75	0.09	101	P2	TWD	9	014	-0.60	LTE	UTE	WAR		72	INLET	510XB
22	78	0.10	149	P2	TWD	6	007	-0.43	LTE	UTE	WAR		70	INLET	510XB
		0.24	148	P2	TWD	13	012	-0.46	LTE	UTE	WAR	0	70	INLET	510XB
22	84	0.18	139	P2	TWD	11	010	-0.34	LTE	UTE	WAR	5	74	INLET	510XB
22	89	0.16	143	P2	TWD	14	010	-0.34	LTE	UTE	WAR		76	INLET	510XB
23	2	0.12	137	P2	TWD	8	012	-0.36	LTE	UTE	WAR		24	INLET	510XB
23	14	0.17	150	P2	TWD	14	011	+0.26	LTE	UTE	WAR		30	INLET	510XB
23	15	0.15	126	P2	TWD	10	012	-0.51	LTE	UTE	WAR		28	INLET	510XB
23	18	0.08	148	P2	TWD	8	012	+0.18	LTE	UTE	WAR		30	INLET	510XB
		0.18	138	P2	TWD	15	012	-0.50	LTE	UTE	WAR	0	30	INLET	510XB
23	19	0.11	132	P2	TWD	7	012	-0.51	LTE	UTE	WAR		28	INLET	510XB
23	21	0.14	137	P2	TWD	9	012	-0.54	LTE	UTE	WAR		28	INLET	510XB
23	31	0.07	147	P2	TWD	5	010	+0.20	LTE	UTE	WAR	5	28	INLET	510XB
23	48	0.08	153	P2	TWD	5	013	+0.10	LTE	UTE	WAR	4	597	INLET	510UL
		0.05	141	P2	TWD	3	013	-0.62	LTE	UTE	WAR	4	597	INLET	510UL
23	54	0.11	152	P2	TWD	7	009	-0.47	LTE	UTE	WAR		70	INLET	510XB
23	56	0.08	128	P2	TWD	5	009	-0.47	LTE	UTE	WAR		70	INLET	510XB
23	60	0.15	141	P2	TWD	9	012	-0.62	LTE	UTE	WAR	6	597	INLET	510UL
23	69	0.07	144	P2	TWD	7	010	+0.24	LTE	UTE	WAR	3	72	INLET	510XB
		0.06	148	P2	TWD	6	010	-0.42	LTE	UTE	WAR	2	72	INLET	510XB
23	71	0.20	143	P2	TWD	16	012	-0.55	LTE	UTE	WAR	6	72	INLET	510XB
23	74	0.27	130	P2	TWD	15	014	-0.62	LTE	UTE	WAR		70	INLET	510XB
23	75	0.05	165	P2	TWD	5	012	-0.53	LTE	UTE	WAR		72	INLET	510XB
23	85	0.12	154	P2	TWD	8	012	-0.42	LTE	UTE	WAR		74	INLET	510XB
		0.05	149	P2	TWD	3	013	+0.29	LTE	UTE	WAR		74	INLET	510XB
24	3	0.08	134	P2	TWD	7	012	-0.34	LTE	UTE	WAR		26	INLET	510XB
		0.08	157	P2	TWD	7	013	-0.37	LTE	UTE	WAR	3	26	INLET	510XB
24	20	0.12	144	P2	TWD	11	012	-0.52	LTE	UTE	WAR	0	30	INLET	510XB
24	22	0.10	142	P2	TWD	9	011	+0.13	LTE	UTE	WAR	0	30	INLET	510XB
24	31	0.08	141	P2	TWD	6	009	+0.23	LTE	UTE	WAR	3	28	INLET	510XB
24	46	0.15	140	P2	TWD	10	009	-0.53	LTE	UTE	WAR		28	INLET	510XB
24	49	0.08	130	P2	TWD	5	009	+0.23	LTE	UTE	WAR	3	597	INLET	510UL
24	50	0.06	154	P2	TWD	4	009	-0.49	LTE	UTE	WAR		70	INLET	510XB
24	80	0.08	146	P2	TWD	8	013	+0.21	LTE	UTE	WAR	4	72	INLET	510XB
24	81	2.26	94	150	VOL		011	-0.52	011	011	WAR		73	INLET	510XP
		0.14	149	P2	TWD	9	010	-0.39	LTE	UTE	WAR		74	INLET	510XB
		0.57	135	P2	TWD	25	011	-0.49	LTE	UTE	WAR		74	INLET	510XB
		0.31	147	P2	TWD	17	012	-0.50	LTE	UTE	WAR		74	INLET	510XB
24	83	0.14	150	P2	TWD	12	012	-0.45	LTE	UTE	WAR	0	76	INLET	510XB
24	84	0.10	139	P2	TWD	6	009	-0.37	LTE	UTE	WAR		74	INLET	510XB
24	88	0.19	148	P2	TWD	11	014	-0.45	LTE	UTE	WAR		74	INLET	510XB
25	9	0.11	146	P2	TWD	7	012	-0.39	LTE	UTE	WAR		24	INLET	510XB
25	17	0.18	137	P2	TWD	11	012	+0.18	LTE	UTE	WAR		28	INLET	510XB
25	20	0.14	126	P2	TWD	12	013	-0.53	LTE	UTE	WAR		30	INLET	510XB
		0.12	148	P2	TWD	11	013	+0.21	LTE	UTE	WAR		30	INLET	510XB
25	24	0.09	155	P2	TWD	9	009	-0.46	LTE	UTE	WAR		30	INLET	510XB
25	44	0.05	158	P2	TWD	4	010	+0.15	LTE	UTE	WAR		28	INLET	510XB
25	70	0.05	43	P2	TWD	5	014	+0.03	LTE	UTE	WAR	0	72	INLET	510XB
25	72	0.05	158	P2	TWD	5	010	+0.16	LTE	UTE	WAR	2	72	INLET	510XB
25	84	0.09	142	P2	TWD	8	012	-0.50	LTE	UTE	WAR		76	INLET	510XB
25	96	0.08	149	P2	TWD	7	011	+0.39	LTE	UTE	WAR	5	76	INLET	510XB
26	2	0.12	132	P2	TWD	8	012	-0.33	LTE	UTE	WAR		24	INLET	510XB
		0.17	118	P2	TWD	11	010	+0.67	LTE	UTE	WAR		24	INLET	510XB
26	7	0.08	149	P2	TWD	7	013	+0.32	LTE	UTE	WAR	4	26	INLET	510XB
26	14	0.12	148	P2	TWD	8	012	-0.44	LTE	UTE	WAR	6	24	INLET	510XB
26	18	0.19	150	P2	TWD	16	012	-0.50	LTE	UTE	WAR		30	INLET	510XB
		0.22	139	P2	TWD	17	012	+0.18	LTE	UTE	WAR		30	INLET	510XB
26	23	0.27	134	P2	TWD	16	012	+0.15	LTE	UTE	WAR		28	INLET	510XB
26	28	0.07	102	P2	TWD	7	009	+0.23	LTE	UTE	WAR	0	30	INLET	510XB
26	45	0.11	146	P2	TWD	7	009	-0.51	LTE	UTE	WAR		28	INLET	510XB
26	49	0.09	138	P2	TWD	6	009	-0.51	LTE	UTE	WAR	3	575	INLET	510UL
26	51	0.06	158	P2	TWD	4	009	-0.47	LTE	UTE	WAR		70	INLET	510XB
26	56	0.10	152	P2	TWD	6	011	-0.03	LTE	UTE	WAR		70	INLET	510XB
26	61	0.11	149	P2	TWD	7	013	+0.08	LTE	UTE	WAR	5	597	INLET	510UL
26	80	0.24	144	P2	TWD	19	012	-0.53	LTE	UTE	WAR		72	INLET	510XB
26	81	0.17	145	P2	TWD	10	012	-0.49	LTE	UTE	WAR	0	70	INLET	510XB
27	12	0.06	151	P2	TWD	4	012	+0.23	LTE	UTE	WAR		24	INLET	510XB
27	28	0.16	137	P2	TWD	10	012	+0.10	LTE	UTE	WAR		28	INLET	510XB
27	38	0.10	147	P2	TWD	7	009	-0.48	LTE	UTE	WAR		28	INLET	510XB
27	44	0.11	145	P2	TWD	8	009	-0.53	LTE	UTE	WAR		28	INLET	510XB
27	89	1.18	106	74	VOL		011	-0.42	011	011	WAR		75	INLET	510XP
		0.29	135	P2	TWD	21	011	-0.42	LTE	UTE	WAR		76	INLET	510XB
27	92	0.08	152	P2	TWD	5	009	-0.39	LTE	UTE	WAR		74	INLET	510XB
		0.09	154	P2	TWD	6	012	-0.44	LTE	UTE	WAR		74	INLET	510XB
28	17	0.31	133	P2	TWD	17	012	-0.47	LTE	UTE	WAR		24	INLET	510XB
28	37	0.07	156	P2	TWD	5	007	+0.18	LTE	UTE	WAR		28	INLET	510XB
28	42	0.09	143	P2	TWD	6	009	-0.56	LTE	UTE	WAR	5	575	INLET	510UL

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
28	46	0.08	153	P2	TWD	6	009	-0.51	LTE	UTE	WAR	4	575	INLET	510UL
28	47	0.10	121	P2	TWD	7	009	-0.53	LTE	UTE	WAR		28	INLET	510XB
28	48	0.14	138	P2	TWD	10	009	-0.51	LTE	UTE	WAR	5	575	INLET	510UL
28	53	0.07	159	P2	TWD	4	009	-0.52	LTE	UTE	WAR		70	INLET	510XB
28	55	0.10	146	P2	TWD	6	009	-0.52	LTE	UTE	WAR		70	INLET	510XB
28	83	0.19	143	P2	TWD	16	012	-0.56	LTE	UTE	WAR		72	INLET	510XB
28	101	0.08	124	P2	TWD	7	009	-0.32	LTE	UTE	WAR		76	INLET	510XB
29	1	0.15	143	P2	TWD	12	010	-0.28	LTE	UTE	WAR		26	INLET	510XB
		0.09	136	P2	TWD	8	011	-0.29	LTE	UTE	WAR		26	INLET	510XB
29	7	0.07	121	P2	TWD	6	010	-0.34	LTE	UTE	WAR	0	26	INLET	510XB
29	8	0.11	141	P2	TWD	8	013	+0.34	LTE	UTE	WAR		24	INLET	510XB
29	11	0.30	143	P2	TWD	21	013	+0.29	LTE	UTE	WAR		26	INLET	510XB
		1.59	95	P11	VOL		013	+0.29	013	013	WAR		25	INLET	510XP
29	17	0.10	159	P2	TWD	9	010	+0.57	LTE	UTE	WAR	5	26	INLET	510XB
29	46	0.09	155	P2	TWD	6	009	-0.54	LTE	UTE	WAR		28	INLET	510XB
29	47	0.09	148	P2	TWD	6	009	-0.54	LTE	UTE	WAR	4	575	INLET	510UL
29	54	0.08	149	P2	TWD	6	009	-0.47	LTE	UTE	WAR	6	599	INLET	510UL
29	83	0.07	157	P2	TWD	7	010	+0.21	LTE	UTE	WAR	0	72	INLET	510XB
29	86	0.23	135	P2	TWD	13	012	-0.52	LTE	UTE	WAR		74	INLET	510XB
29	96	0.08	146	P2	TWD	5	011	+0.34	LTE	UTE	WAR		74	INLET	510XB
29	104	0.08	113	P2	TWD	8	002	-0.21	LTE	UTE	WAR		76	INLET	510XB
		0.21	143	P2	TWD	17	011	-0.26	LTE	UTE	WAR		76	INLET	510XB
30	1	0.13	149	P2	TWD	11	012	-0.31	LTE	UTE	WAR		26	INLET	510XB
30	8	0.23	133	P2	TWD	17	011	+0.29	LTE	UTE	WAR		26	INLET	510XB
		0.13	151	P2	TWD	11	010	-0.34	LTE	UTE	WAR	6	26	INLET	510XB
30	9	0.13	153	P2	TWD	8	012	-0.42	LTE	UTE	WAR		24	INLET	510XB
30	27	0.12	146	P2	TWD	8	012	+0.10	LTE	UTE	WAR		28	INLET	510XB
		0.21	131	P2	TWD	13	012	-0.61	LTE	UTE	WAR	0	28	INLET	510XB
30	54	0.08	149	P2	TWD	5	009	-0.51	LTE	UTE	WAR		52	INLET	510XB
30	55	0.10	141	P2	TWD	6	009	-0.52	LTE	UTE	WAR	6	597	INLET	510UL
30	91	0.22	147	P2	TWD	17	012	-0.50	LTE	UTE	WAR		76	INLET	510XB
30	102	1.70	91	102	VOL		010	-0.39	010	010	WAR		73	INLET	510XP
		0.42	132	P2	TWD	21	010	-0.31	LTE	UTE	WAR		74	INLET	510XB
30	104	0.25	138	P2	TWD	14	011	-0.26	LTE	UTE	WAR		74	INLET	510XB
30	105	0.14	145	P2	TWD	12	011	-0.26	LTE	UTE	WAR		76	INLET	510XB
31	1	0.08	131	P2	TWD	7	007	-0.34	LTE	UTE	WAR	4	26	INLET	510XB
31	6	0.10	148	P2	TWD	7	013	+0.31	LTE	UTE	WAR		24	INLET	510XB
31	10	0.17	138	P2	TWD	11	012	+0.29	LTE	UTE	WAR		24	INLET	510XB
		0.07	151	P2	TWD	5	012	-0.39	LTE	UTE	WAR	0	24	INLET	510XB
31	12	0.10	151	P2	TWD	6	012	-0.44	LTE	UTE	WAR		24	INLET	510XB
		0.21	145	P2	TWD	13	012	+0.21	LTE	UTE	WAR		24	INLET	510XB
31	13	0.09	162	P2	TWD	8	012	-0.45	LTE	UTE	WAR	0	26	INLET	510XB
31	22	0.21	143	P2	TWD	17	012	-0.58	LTE	UTE	WAR		30	INLET	510XB
		0.10	150	P2	TWD	10	012	+0.16	LTE	UTE	WAR		30	INLET	510XB
31	26	0.16	95	P2	TWD	10	012	-0.59	LTE	UTE	WAR		28	INLET	510XB
31	43	0.10	134	P2	TWD	7	009	-0.53	LTE	UTE	WAR		28	INLET	510XB
31	44	0.19	152	P2	TWD	12	009	-0.54	LTE	UTE	WAR	6	575	INLET	510UL
31	51	0.11	136	P2	TWD	7	007	+0.10	LTE	UTE	WAR		28	INLET	510XB
31	86	0.13	139	P2	TWD	8	012	-0.57	LTE	UTE	WAR	5	70	INLET	510XB
		0.06	31	P2	TWD	4	012	+0.68	LTE	UTE	WAR	4	70	INLET	510XB
		0.05	137	P2	TWD	3	012	+0.18	LTE	UTE	WAR	0	70	INLET	510XB
31	87	0.16	124	P2	TWD	9	013	-0.57	LTE	UTE	WAR		74	INLET	510XB
		0.06	147	P2	TWD	4	011	+0.13	LTE	UTE	WAR		74	INLET	510XB
31	94	0.14	147	P2	TWD	12	012	-0.53	LTE	UTE	WAR		76	INLET	510XB
31	96	0.10	137	P2	TWD	9	014	+0.24	LTE	UTE	WAR		76	INLET	510XB
31	97	0.14	149	P2	TWD	9	014	-0.50	LTE	UTE	WAR		74	INLET	510XB
32	14	0.19	149	P2	TWD	12	012	-0.49	LTE	UTE	WAR		24	INLET	510XB
32	16	0.11	147	P2	TWD	8	012	-0.49	LTE	UTE	WAR		24	INLET	510XB
		0.07	138	P2	TWD	5	012	+0.18	LTE	UTE	WAR		24	INLET	510XB
32	32	0.09	151	P2	TWD	6	009	+0.15	LTE	UTE	WAR		28	INLET	510XB
32	38	0.08	77	P2	TWD	6	012	-0.03	LTE	UTE	WAR	0	577	INLET	510UL
		0.14	109	P2	TWD	11	012	-0.72	LTE	UTE	WAR	0	577	INLET	510UL
32	94	0.37	139	P2	TWD	19	012	-0.52	LTE	UTE	WAR		74	INLET	510XB
32	101	0.08	152	P2	TWD	7	011	+0.34	LTE	UTE	WAR		76	INLET	510XB
32	105	0.10	140	P2	TWD	9	011	-0.29	LTE	UTE	WAR		76	INLET	510XB
		0.09	150	P2	TWD	8	011	+0.45	LTE	UTE	WAR		76	INLET	510XB
33	8	0.14	138	P2	TWD	9	012	-0.41	LTE	UTE	WAR	0	24	INLET	510XB
33	12	0.21	144	P2	TWD	13	012	+0.18	LTE	UTE	WAR		24	INLET	510XB
33	20	0.16	144	P2	TWD	10	014	+0.08	LTE	UTE	WAR		24	INLET	510XB
33	31	0.10	158	P2	TWD	7	012	+0.03	LTE	UTE	WAR	4	575	INLET	510UL
33	50	0.10	129	P2	TWD	8	008	+0.23	LTE	UTE	WAR	5	577	INLET	510UL
33	56	0.08	144	P2	TWD	5	009	-0.49	LTE	UTE	WAR	4	597	INLET	510UL
33	91	0.08	153	P2	TWD	7	010	+0.18	LTE	UTE	WAR	4	76	INLET	510XB
33	100	0.07	115	P2	TWD	4	007	-0.36	LTE	UTE	WAR		74	INLET	510XB
33	101	1.46	105	82	VOL		011	-0.42	011	011	WAR		75	INLET	510XP
		0.29	133	P2	TWD	21	011	-0.39	LTE	UTE	WAR		76	INLET	510XB
33	102	0.13	149	P2	TWD	8	014	+0.26	LTE	UTE	WAR		74	INLET	510XB
34	4	0.07	153	P2	TWD	6	013	-0.39	LTE	UTE	WAR	5	26	INLET	510XB
34	5	0.07	111	P2	TWD	5	007	+0.31	LTE	UTE	WAR		24	INLET	510XB
		0.24	141	P2	TWD	14	012	-0.36	LTE	UTE	WAR		24	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
34	10	0.38	140	P2	TWD	25	012	+0.26	LTE	UTE	WAR		26	INLET	510XB
		0.15	153	P2	TWD	12	013	-0.52	LTE	UTE	WAR	7	26	INLET	510XB
		0.09	137	P2	TWD	8	011	+0.29	LTE	UTE	WAR	0	26	INLET	510XB
		1.75	99	P12	VOL		012	+0.24	012	012	WAR		25	INLET	510XP
34	17	0.14	146	P2	TWD	9	012	+0.16	LTE	UTE	WAR		24	INLET	510XB
34	53	0.14	144	P2	TWD	8	009	-0.51	LTE	UTE	WAR	4	579	INLET	510UL
34	84	0.13	136	P2	TWD	8	012	-0.65	LTE	UTE	WAR		70	INLET	510XB
34	88	0.08	158	P2	TWD	5	007	-0.52	LTE	UTE	WAR		74	INLET	510XB
34	103	0.93	123	2	VOL		009	-0.31	009	009	WAR		75	INLET	510XP
		0.30	139	P2	TWD	22	009	-0.39	LTE	UTE	WAR		76	INLET	510XB
		0.09	129	P2	TWD	9	010	-0.34	LTE	UTE	WAR		76	INLET	510XB
35	5	0.13	146	P2	TWD	11	011	+0.29	LTE	UTE	WAR	5	26	INLET	510XB
35	9	0.13	140	P2	TWD	11	010	-0.39	LTE	UTE	WAR		26	INLET	510XB
35	16	0.13	121	P2	TWD	8	011	+0.21	LTE	UTE	WAR	0	24	INLET	510XB
35	18	0.11	132	P2	TWD	7	012	-0.57	LTE	UTE	WAR		24	INLET	510XB
35	27	0.14	143	P2	TWD	9	012	+0.08	LTE	UTE	WAR		28	INLET	510XB
35	29	0.11	114	P2	TWD	8	012	-0.62	LTE	UTE	WAR		28	INLET	510XB
35	51	0.13	151	P2	TWD	9	007	+0.13	LTE	UTE	WAR		28	INLET	510XB
35	103	0.10	148	P2	TWD	6	012	-0.47	LTE	UTE	WAR		74	INLET	510XB
35	108	0.15	152	P2	TWD	13	011	+0.39	LTE	UTE	WAR		76	INLET	510XB
		0.15	147	P2	TWD	13	012	-0.39	LTE	UTE	WAR		76	INLET	510XB
35	110	0.10	133	P2	TWD	9	011	-0.29	LTE	UTE	WAR		76	INLET	510XB
36	1	0.23	121	P2	TWD	17	010	+0.68	LTE	UTE	WAR		26	INLET	510XB
		0.22	135	P2	TWD	17	011	-0.29	LTE	UTE	WAR		26	INLET	510XB
		0.07	142	P2	TWD	6	012	-0.31	LTE	UTE	WAR		26	INLET	510XB
36	4	0.17	147	P2	TWD	14	012	+0.32	LTE	UTE	WAR		26	INLET	510XB
36	8	0.09	83	P2	TWD	8	013	+0.21	LTE	UTE	WAR	5	26	INLET	510XB
		0.13	146	P2	TWD	11	012	-0.37	LTE	UTE	WAR	0	26	INLET	510XB
36	9	0.09	134	P2	TWD	6	010	-0.36	LTE	UTE	WAR		24	INLET	510XB
36	11	0.17	135	P2	TWD	11	012	+0.23	LTE	UTE	WAR		24	INLET	510XB
36	12	0.12	150	P2	TWD	10	012	-0.45	LTE	UTE	WAR		26	INLET	510XB
		0.10	141	P2	TWD	9	011	-0.39	LTE	UTE	WAR	6	26	INLET	510XB
36	19	0.09	131	P2	TWD	6	012	+0.18	LTE	UTE	WAR		24	INLET	510XB
36	34	0.18	131	P2	TWD	11	009	+0.13	LTE	UTE	WAR		28	INLET	510XB
36	54	0.08	117	P2	TWD	6	009	-0.53	LTE	UTE	WAR		28	INLET	510XB
36	85	0.07	134	P2	TWD	7	010	+0.13	LTE	UTE	WAR	0	609	INLET	510UL
36	103	1.47	111	50	VOL		012	-0.45	012	012	WAR		75	INLET	510XP
		0.30	143	P2	TWD	22	012	-0.53	LTE	UTE	WAR		76	INLET	510XB
36	104	0.15	150	P2	TWD	9	012	-0.50	LTE	UTE	WAR		74	INLET	510XB
36	105	0.09	142	P2	TWD	8	009	-0.37	LTE	UTE	WAR		76	INLET	510XB
36	112	0.09	150	P2	TWD	6	011	+0.47	LTE	UTE	WAR		74	INLET	510XB
36	113	1.05	117	110	VOL		011	+0.52	011	011	WAR		75	INLET	510XP
		0.14	145	P2	TWD	12	011	-0.26	LTE	UTE	WAR		76	INLET	510XB
		0.47	136	P2	TWD	29	011	+0.47	LTE	UTE	WAR		76	INLET	510XB
37	6	0.11	148	P2	TWD	8	012	-0.36	LTE	UTE	WAR	0	24	INLET	510XB
37	11	0.14	150	P2	TWD	12	011	+0.32	LTE	UTE	WAR	2	26	INLET	510XB
37	13	0.34	138	P2	TWD	23	012	+0.24	LTE	UTE	WAR		26	INLET	510XB
		1.66	100	P12	VOL		012	+0.18	012	012	WAR		25	INLET	510XP
37	30	0.08	141	P2	TWD	6	013	+0.03	LTE	UTE	WAR		28	INLET	510XB
37	94	0.22	135	P2	TWD	13	012	-0.60	LTE	UTE	WAR		74	INLET	510XB
37	106	0.13	146	P2	TWD	8	009	-0.39	LTE	UTE	WAR		74	INLET	510XB
37	112	0.21	143	P2	TWD	12	011	-0.26	LTE	UTE	WAR		74	INLET	510XB
		0.23	133	P2	TWD	13	011	+0.44	LTE	UTE	WAR		74	INLET	510XB
37	113	0.16	144	P2	TWD	14	011	-0.26	LTE	UTE	WAR		76	INLET	510XB
		0.24	141	P2	TWD	19	011	+0.47	LTE	UTE	WAR		76	INLET	510XB
37	114	0.92	117	86	VOL		011	+0.55	011	011	WAR		75	INLET	510XP
		0.19	139	P2	TWD	16	007	-0.29	LTE	UTE	WAR		76	INLET	510XB
		0.18	143	P2	TWD	15	011	-0.26	LTE	UTE	WAR		76	INLET	510XB
		0.37	138	P2	TWD	25	011	+0.47	LTE	UTE	WAR		76	INLET	510XB
38	7	0.07	144	P2	TWD	6	012	+0.29	LTE	UTE	WAR		22	INLET	510XB
38	12	0.18	147	P2	TWD	11	012	-0.44	LTE	UTE	WAR		20	INLET	510XB
		0.28	140	P2	TWD	16	012	+0.23	LTE	UTE	WAR		20	INLET	510XB
		0.08	143	P2	TWD	5	011	-0.49	LTE	UTE	WAR	3	20	INLET	510XB
38	13	0.14	146	P2	TWD	11	012	+0.21	LTE	UTE	WAR	0	22	INLET	510XB
		0.11	157	P2	TWD	9	012	-0.47	LTE	UTE	WAR	0	22	INLET	510XB
38	14	1.92	68	P27	VOL		013	+0.21	013	013	WAR		19	INLET	510XP
		0.31	142	P2	TWD	17	012	-0.49	LTE	UTE	WAR		20	INLET	510XB
		0.37	136	P2	TWD	20	013	+0.21	LTE	UTE	WAR		20	INLET	510XB
		0.08	145	P2	TWD	6	009	-0.44	LTE	UTE	WAR		20	INLET	510XB
38	22	0.08	156	P2	TWD	5	010	+0.15	LTE	UTE	WAR	4	20	INLET	510XB
38	37	0.08	155	P2	TWD	8	009	+0.08	LTE	UTE	WAR	4	581	INLET	510UL
38	52	0.11	148	P2	TWD	8	007	+0.15	LTE	UTE	WAR		28	INLET	510XB
38	92	0.21	141	P2	TWD	12	012	-0.65	LTE	UTE	WAR		74	INLET	510XB
38	110	0.11	149	P2	TWD	7	012	-0.44	LTE	UTE	WAR		74	INLET	510XB
38	112	0.19	146	P2	TWD	11	011	+0.42	LTE	UTE	WAR		74	INLET	510XB
38	114	0.11	140	P2	TWD	7	007	-0.34	LTE	UTE	WAR		74	INLET	510XB
38	115	0.71	118	86	VOL		011	+0.55	011	011	WAR		75	INLET	510XP
		0.21	145	P2	TWD	17	011	-0.26	LTE	UTE	WAR		76	INLET	510XB
		0.27	143	P2	TWD	20	011	+0.47	LTE	UTE	WAR		76	INLET	510XB
39	2	0.14	125	P2	TWD	9	011	-0.31	LTE	UTE	WAR		20	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
39	5	0.08	155	P2	TWD	7	012	-0.37	LTE	UTE	WAR		22	INLET	510XB
		0.15	145	P2	TWD	12	012	+0.29	LTE	UTE	WAR		22	INLET	510XB
39	6	0.10	141	P2	TWD	7	012	-0.36	LTE	UTE	WAR	5	20	INLET	510XB
39	8	0.14	145	P2	TWD	9	013	+0.34	LTE	UTE	WAR		20	INLET	510XB
		0.11	157	P2	TWD	7	014	-0.49	LTE	UTE	WAR		20	INLET	510XB
39	10	0.06	144	P2	TWD	4	007	+0.31	LTE	UTE	WAR	3	20	INLET	510XB
39	12	0.13	147	P2	TWD	8	013	+0.26	LTE	UTE	WAR		20	INLET	510XB
		0.13	145	P2	TWD	9	011	-0.41	LTE	UTE	WAR	3	20	INLET	510XB
		0.09	156	P2	TWD	6	012	-0.44	LTE	UTE	WAR	5	20	INLET	510XB
39	21	0.11	130	P2	TWD	9	012	+0.13	LTE	UTE	WAR		22	INLET	510XB
39	22	0.09	114	P2	TWD	6	012	-0.59	LTE	UTE	WAR	6	20	INLET	510XB
		0.10	130	P2	TWD	6	012	+0.10	LTE	UTE	WAR	5	20	INLET	510XB
39	24	0.07	142	P2	TWD	6	010	+0.16	LTE	UTE	WAR	3	571	INLET	510UL
		0.09	151	P2	TWD	7	012	+0.08	LTE	UTE	WAR	5	571	INLET	510UL
39	34	0.08	143	P2	TWD	8	009	+0.10	LTE	UTE	WAR	3	581	INLET	510UL
39	37	0.08	130	P2	TWD	6	007	+0.15	LTE	UTE	WAR		28	INLET	510XB
39	39	0.05	106	P2	TWD	4	007	+0.13	LTE	UTE	WAR		28	INLET	510XB
39	50	0.12	154	P2	TWD	10	007	+0.13	LTE	UTE	WAR	4	581	INLET	510UL
39	59	0.05	137	P2	TWD	3	007	+0.08	LTE	UTE	WAR		70	INLET	510XB
39	109	0.18	150	P2	TWD	14	012	-0.50	LTE	UTE	WAR		84	INLET	510XB
39	113	0.19	150	P2	TWD	15	011	+0.42	LTE	UTE	WAR		84	INLET	510XB
39	116	0.83	113	110	VOL		011	+0.52	011	011	WAR		83	INLET	510XP
		0.31	138	P2	TWD	22	011	+0.47	LTE	UTE	WAR		84	INLET	510XB
40	1	0.11	148	P2	TWD	9	007	+0.42	LTE	UTE	WAR		22	INLET	510XB
		0.14	146	P2	TWD	12	013	-0.37	LTE	UTE	WAR		22	INLET	510XB
		0.11	139	P2	TWD	10	010	-0.26	LTE	UTE	WAR	4	22	INLET	510XB
40	10	0.12	142	P2	TWD	11	010	-0.36	LTE	UTE	WAR		22	INLET	510XB
40	11	0.10	151	P2	TWD	7	012	-0.44	LTE	UTE	WAR	6	20	INLET	510XB
40	14	0.14	152	P2	TWD	12	012	-0.50	LTE	UTE	WAR		22	INLET	510XB
		0.10	145	P2	TWD	9	013	+0.21	LTE	UTE	WAR		22	INLET	510XB
40	15	0.11	146	P2	TWD	7	012	-0.52	LTE	UTE	WAR	6	20	INLET	510XB
40	99	0.10	133	P2	TWD	9	013	-0.58	LTE	UTE	WAR		84	INLET	510XB
40	100	0.18	142	P2	TWD	11	011	-0.55	LTE	UTE	WAR		82	INLET	510XB
		0.09	131	P2	TWD	6	011	+0.16	LTE	UTE	WAR	0	82	INLET	510XB
40	102	0.11	142	P2	TWD	7	013	+0.16	LTE	UTE	WAR		82	INLET	510XB
40	107	0.17	144	P2	TWD	14	009	-0.42	LTE	UTE	WAR		84	INLET	510XB
40	115	0.17	147	P2	TWD	14	011	-0.29	LTE	UTE	WAR		84	INLET	510XB
		0.12	144	P2	TWD	11	011	+0.42	LTE	UTE	WAR		84	INLET	510XB
41	7	0.11	149	P2	TWD	9	013	-0.47	LTE	UTE	WAR		22	INLET	510XB
		0.11	137	P2	TWD	10	013	+0.29	LTE	UTE	WAR		22	INLET	510XB
41	8	0.13	92	P2	TWD	8	010	-0.39	LTE	UTE	WAR	6	20	INLET	510XB
41	14	0.20	150	P2	TWD	12	012	-0.49	LTE	UTE	WAR		20	INLET	510XB
41	20	0.08	90	P2	TWD	6	011	-0.59	LTE	UTE	WAR	5	20	INLET	510XB
41	29	0.09	149	P2	TWD	6	012	+0.03	LTE	UTE	WAR		28	INLET	510XB
41	46	0.07	132	P2	TWD	5	008	+0.23	LTE	UTE	WAR		28	INLET	510XB
41	54	0.05	75	P2	TWD	4	007	+0.10	LTE	UTE	WAR		28	INLET	510XB
41	106	2.12	96	78	VOL		012	-0.58	012	012	WAR		83	INLET	510XP
		0.08	143	P2	TWD	8	009	-0.39	LTE	UTE	WAR		84	INLET	510XB
		0.46	135	P2	TWD	28	012	-0.53	LTE	UTE	WAR		84	INLET	510XB
41	109	0.30	142	P2	TWD	16	012	-0.47	LTE	UTE	WAR		82	INLET	510XB
41	114	0.10	146	P2	TWD	9	011	+0.29	LTE	UTE	WAR	0	84	INLET	510XB
41	115	0.20	140	P2	TWD	12	011	-0.29	LTE	UTE	WAR		82	INLET	510XB
42	6	0.07	153	P2	TWD	5	011	+0.31	LTE	UTE	WAR	0	20	INLET	510XB
		0.07	152	P2	TWD	5	013	-0.44	LTE	UTE	WAR	4	20	INLET	510XB
42	7	0.11	134	P2	TWD	9	013	-0.47	LTE	UTE	WAR		22	INLET	510XB
		0.14	144	P2	TWD	12	014	-0.48	LTE	UTE	WAR		22	INLET	510XB
42	8	0.12	142	P2	TWD	8	013	+0.31	LTE	UTE	WAR		20	INLET	510XB
		0.14	149	P2	TWD	9	010	-0.39	LTE	UTE	WAR	4	20	INLET	510XB
42	14	0.17	138	P2	TWD	11	014	-0.57	LTE	UTE	WAR		20	INLET	510XB
		0.07	139	P2	TWD	5	014	+0.16	LTE	UTE	WAR		20	INLET	510XB
42	15	0.24	127	P2	TWD	18	012	-0.53	LTE	UTE	WAR		22	INLET	510XB
42	16	0.07	144	P2	TWD	5	010	+0.21	LTE	UTE	WAR	4	20	INLET	510XB
42	26	0.07	136	P2	TWD	5	011	+0.08	LTE	UTE	WAR		28	INLET	510XB
42	31	0.15	146	P2	TWD	10	012	-0.67	LTE	UTE	WAR		28	INLET	510XB
		0.06	155	P2	TWD	4	012	+0.00	LTE	UTE	WAR		28	INLET	510XB
42	105	0.10	144	P2	TWD	9	013	+0.18	LTE	UTE	WAR	0	84	INLET	510XB
42	109	1.92	97	82	VOL		012	-0.52	012	012	WAR		83	INLET	510XP
		0.13	134	P2	TWD	11	010	-0.37	LTE	UTE	WAR		84	INLET	510XB
		0.30	143	P2	TWD	21	012	-0.50	LTE	UTE	WAR		84	INLET	510XB
		0.09	150	P2	TWD	8	011	+0.31	LTE	UTE	WAR	4	84	INLET	510XB
42	113	0.06	158	P2	TWD	6	012	-0.45	LTE	UTE	WAR	0	84	INLET	510XB
42	115	0.12	144	P2	TWD	10	011	-0.29	LTE	UTE	WAR		84	INLET	510XB
43	2	0.09	139	P2	TWD	6	006	-0.28	LTE	UTE	WAR		20	INLET	510XB
		0.11	146	P2	TWD	7	012	-0.36	LTE	UTE	WAR		20	INLET	510XB
43	12	0.11	139	P2	TWD	7	013	+0.21	LTE	UTE	WAR		20	INLET	510XB
43	19	0.38	132	P2	TWD	25	011	+0.13	LTE	UTE	WAR		22	INLET	510XB
		1.19	89	P16	VOL		011	+0.08	011	011	WAR		21	INLET	510XP
43	49	0.06	103	P2	TWD	4	007	+0.15	LTE	UTE	WAR		28	INLET	510XB
43	108	0.12	148	P2	TWD	10	009	-0.42	LTE	UTE	WAR		84	INLET	510XB
		0.08	153	P2	TWD	8	011	+0.29	LTE	UTE	WAR	0	84	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
43	111	0.14	138	P2	TWD	9	010	-0.34	LTE	UTE	WAR		82	INLET	510XB
		0.10	134	P2	TWD	6	012	-0.49	LTE	UTE	WAR	0	82	INLET	510XB
43	116	1.00	89	54	VOL		011	-0.34	011	011	WAR		83	INLET	510XP
		0.27	140	P2	TWD	20	011	-0.31	LTE	UTE	WAR		84	INLET	510XB
44	7	0.09	149	P2	TWD	8	012	-0.42	LTE	UTE	WAR		22	INLET	510XB
		0.12	148	P2	TWD	10	012	+0.26	LTE	UTE	WAR		22	INLET	510XB
		0.12	136	P2	TWD	10	011	+0.32	LTE	UTE	WAR	0	22	INLET	510XB
44	8	0.17	141	P2	TWD	11	014	-0.52	LTE	UTE	WAR		20	INLET	510XB
		0.11	144	P2	TWD	7	013	-0.52	LTE	UTE	WAR	6	20	INLET	510XB
44	9	0.13	152	P2	TWD	11	012	-0.42	LTE	UTE	WAR		22	INLET	510XB
44	12	0.16	116	P2	TWD	10	013	-0.57	LTE	UTE	WAR		20	INLET	510XB
		0.10	135	P2	TWD	7	014	+0.18	LTE	UTE	WAR		20	INLET	510XB
44	14	0.11	150	P2	TWD	7	011	-0.49	LTE	UTE	WAR	4	20	INLET	510XB
44	15	0.16	139	P2	TWD	13	011	+0.24	LTE	UTE	WAR		22	INLET	510XB
44	16	0.19	140	P2	TWD	12	012	-0.54	LTE	UTE	WAR		20	INLET	510XB
44	18	0.13	146	P2	TWD	8	014	-0.65	LTE	UTE	WAR	0	20	INLET	510XB
44	27	0.09	101	P2	TWD	9	012	-0.61	LTE	UTE	WAR		30	INLET	510XB
44	110	0.09	94	P2	TWD	6	009	-0.36	LTE	UTE	WAR	0	82	INLET	510XB
44	111	0.08	153	P2	TWD	7	012	-0.50	LTE	UTE	WAR	0	84	INLET	510XB
45	5	0.10	154	P2	TWD	8	012	-0.37	LTE	UTE	WAR		22	INLET	510XB
45	7	0.31	144	P2	TWD	21	014	-0.50	LTE	UTE	WAR		22	INLET	510XB
		0.15	145	P2	TWD	13	014	+0.24	LTE	UTE	WAR	6	22	INLET	510XB
		0.09	156	P2	TWD	8	013	+0.29	LTE	UTE	WAR	5	22	INLET	510XB
		1.29	85	P18	VOL		014	-0.50	014	014	WAR		21	INLET	510XP
45	9	0.10	135	P2	TWD	9	010	+0.00	LTE	UTE	WAR		22	INLET	510XB
		0.13	141	P2	TWD	11	013	+0.29	LTE	UTE	WAR	4	22	INLET	510XB
45	13	0.16	137	P2	TWD	13	013	-0.58	LTE	UTE	WAR		22	INLET	510XB
45	16	0.23	142	P2	TWD	14	012	-0.49	LTE	UTE	WAR		20	INLET	510XB
		0.08	139	P2	TWD	5	012	+0.16	LTE	UTE	WAR		20	INLET	510XB
45	19	0.29	128	P2	TWD	20	014	-0.64	LTE	UTE	WAR		22	INLET	510XB
		1.09	86	P19	VOL		014	-0.64	014	014	WAR		21	INLET	510XP
45	24	0.10	157	P2	TWD	7	014	-0.70	LTE	UTE	WAR		20	INLET	510XB
45	103	0.08	136	P2	TWD	7	010	+0.24	LTE	UTE	WAR	0	84	INLET	510XB
45	110	0.08	134	P2	TWD	5	009	-0.39	LTE	UTE	WAR	0	82	INLET	510XB
45	112	0.12	142	P2	TWD	7	014	-0.52	LTE	UTE	WAR		82	INLET	510XB
45	118	0.19	142	P2	TWD	12	011	-0.34	LTE	UTE	WAR		82	INLET	510XB
45	119	0.20	144	P2	TWD	16	012	-0.39	LTE	UTE	WAR		84	INLET	510XB
46	2	0.08	146	P2	TWD	5	007	+0.39	LTE	UTE	WAR		20	INLET	510XB
46	3	0.12	148	P2	TWD	10	012	-0.34	LTE	UTE	WAR		22	INLET	510XB
46	5	0.16	143	P2	TWD	13	013	+0.34	LTE	UTE	WAR		22	INLET	510XB
46	9	0.21	138	P2	TWD	16	010	+0.00	LTE	UTE	WAR		22	INLET	510XB
46	15	0.20	149	P2	TWD	15	012	-0.55	LTE	UTE	WAR		22	INLET	510XB
		0.09	148	P2	TWD	8	012	+0.13	LTE	UTE	WAR		22	INLET	510XB
		0.19	141	P2	TWD	15	013	+0.19	LTE	UTE	WAR		22	INLET	510XB
46	18	0.07	139	P2	TWD	5	012	+0.10	LTE	UTE	WAR		20	INLET	510XB
46	20	0.07	149	P2	TWD	5	011	+0.10	LTE	UTE	WAR		20	INLET	510XB
46	94	0.10	126	P2	TWD	7	011	+0.00	LTE	UTE	WAR		82	INLET	510XB
46	95	0.09	127	P2	TWD	8	007	-0.55	LTE	UTE	WAR	2	639	INLET	510UL
46	111	0.09	137	P2	TWD	8	011	+0.29	LTE	UTE	WAR		84	INLET	510XB
47	3	0.13	140	P2	TWD	8	011	-0.34	LTE	UTE	WAR		20	INLET	510XB
47	8	0.19	148	P2	TWD	15	014	-0.50	LTE	UTE	WAR		22	INLET	510XB
		0.07	153	P2	TWD	6	012	-0.48	LTE	UTE	WAR	0	22	INLET	510XB
47	10	0.11	146	P2	TWD	9	013	-0.53	LTE	UTE	WAR		22	INLET	510XB
47	19	0.14	138	P2	TWD	9	010	+0.21	LTE	UTE	WAR		20	INLET	510XB
47	23	0.07	88	P2	TWD	6	012	-0.67	LTE	UTE	WAR	0	567	INLET	510UL
47	50	0.09	125	P2	TWD	6	009	-0.59	LTE	UTE	WAR		28	INLET	510XB
47	97	0.07	151	P2	TWD	6	007	-0.52	LTE	UTE	WAR	3	639	INLET	510UL
		0.11	139	P2	TWD	10	014	-0.03	LTE	UTE	WAR	3	639	INLET	510UL
47	99	0.07	136	P2	TWD	6	007	-0.52	LTE	UTE	WAR	3	639	INLET	510UL
47	103	0.13	137	P2	TWD	11	013	-0.61	LTE	UTE	WAR	6	84	INLET	510XB
47	122	0.11	142	P2	TWD	10	011	-0.29	LTE	UTE	WAR		92	INLET	510XB
48	3	0.14	140	P2	TWD	12	011	-0.34	LTE	UTE	WAR		22	INLET	510XB
48	4	0.10	141	P2	TWD	7	011	-0.34	LTE	UTE	WAR		20	INLET	510XB
48	6	0.21	141	P2	TWD	13	014	-0.47	LTE	UTE	WAR		20	INLET	510XB
		0.09	147	P2	TWD	6	013	-0.44	LTE	UTE	WAR	5	20	INLET	510XB
48	7	0.22	149	P2	TWD	17	012	-0.42	LTE	UTE	WAR		22	INLET	510XB
48	8	0.14	143	P2	TWD	9	010	-0.39	LTE	UTE	WAR		20	INLET	510XB
48	9	0.13	143	P2	TWD	11	013	-0.50	LTE	UTE	WAR		22	INLET	510XB
		0.19	146	P2	TWD	15	014	-0.53	LTE	UTE	WAR		22	INLET	510XB
48	18	0.08	125	P2	TWD	6	012	-0.60	LTE	UTE	WAR	6	20	INLET	510XB
48	20	0.15	135	P2	TWD	9	013	-0.65	LTE	UTE	WAR		20	INLET	510XB
		0.14	136	P2	TWD	9	012	-0.57	LTE	UTE	WAR	4	20	INLET	510XB
48	22	0.07	120	P2	TWD	5	010	+0.13	LTE	UTE	WAR	5	20	INLET	510XB
48	99	0.05	100	P2	TWD	5	007	-0.55	LTE	UTE	WAR	0	639	INLET	510UL
48	101	0.06	140	P2	TWD	5	007	+0.16	LTE	UTE	WAR	3	639	INLET	510UL
48	112	0.08	145	P2	TWD	7	011	+0.24	LTE	UTE	WAR	0	84	INLET	510XB
48	114	0.07	144	P2	TWD	7	012	+0.29	LTE	UTE	WAR		84	INLET	510XB
48	115	0.11	155	P2	TWD	7	011	-0.41	LTE	UTE	WAR	0	82	INLET	510XB
48	123	0.08	142	P2	TWD	7	007	-0.29	LTE	UTE	WAR		92	INLET	510XB
49	1	0.10	141	P2	TWD	9	006	-0.29	LTE	UTE	WAR	0	100	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
49	9	0.12	149	P2	TWD	10	012	-0.42	LTE	UTE	WAR		22	INLET	510XB
49	24	0.09	151	P2	TWD	6	012	+0.03	LTE	UTE	WAR		20	INLET	510XB
49	39	0.05	103	P2	TWD	3	007	+0.20	LTE	UTE	WAR		28	INLET	510XB
49	110	0.09	152	P2	TWD	6	014	+0.13	LTE	UTE	WAR	0	82	INLET	510XB
49	111	0.10	159	P2	TWD	9	010	+0.58	LTE	UTE	WAR	0	84	INLET	510XB
49	112	0.14	150	P2	TWD	9	012	-0.55	LTE	UTE	WAR	0	82	INLET	510XB
49	114	0.25	142	P2	TWD	14	012	-0.52	LTE	UTE	WAR		82	INLET	510XB
49	115	0.13	142	P2	TWD	11	012	+0.29	LTE	UTE	WAR		84	INLET	510XB
49	116	0.21	146	P2	TWD	12	011	-0.42	LTE	UTE	WAR		82	INLET	510XB
50	3	0.28	142	P2	TWD	16	012	-0.36	LTE	UTE	WAR		20	INLET	510XB
50	5	0.12	147	P2	TWD	8	010	-0.34	LTE	UTE	WAR		20	INLET	510XB
50	7	0.15	141	P2	TWD	9	010	-0.36	LTE	UTE	WAR		20	INLET	510XB
50	8	0.16	151	P2	TWD	13	012	-0.42	LTE	UTE	WAR		22	INLET	510XB
50	9	1.97	59	P5	VOL		014	-0.55	014	014	WAR		19	INLET	510XP
		0.36	137	P2	TWD	19	013	+0.29	LTE	UTE	WAR		20	INLET	510XB
		0.54	133	P2	TWD	25	014	-0.55	LTE	UTE	WAR		20	INLET	510XB
50	10	0.25	145	P2	TWD	18	012	-0.47	LTE	UTE	WAR		22	INLET	510XB
50	11	0.21	143	P2	TWD	13	012	+0.21	LTE	UTE	WAR		20	INLET	510XB
50	14	0.14	129	P2	TWD	11	013	-0.55	LTE	UTE	WAR		22	INLET	510XB
		0.16	152	P2	TWD	13	014	+0.16	LTE	UTE	WAR		22	INLET	510XB
50	17	0.10	145	P2	TWD	7	013	-0.63	LTE	UTE	WAR	5	20	INLET	510XB
50	50	0.05	47	P2	TWD	3	007	+0.15	LTE	UTE	WAR		28	INLET	510XB
50	52	0.06	101	P2	TWD	4	007	+0.13	LTE	UTE	WAR		28	INLET	510XB
50	53	0.09	143	P2	TWD	6	009	-0.61	LTE	UTE	WAR	5	591	INLET	510UL
50	92	0.07	145	P2	TWD	4	007	-0.52	LTE	UTE	WAR		70	INLET	510XB
50	106	0.17	126	P2	TWD	14	014	-0.60	LTE	UTE	WAR		84	INLET	510XB
		0.13	117	P2	TWD	11	013	-0.63	LTE	UTE	WAR	7	84	INLET	510XB
50	116	0.18	151	P2	TWD	14	012	-0.47	LTE	UTE	WAR		84	INLET	510XB
50	119	0.22	149	P2	TWD	13	012	-0.44	LTE	UTE	WAR		82	INLET	510XB
51	5	0.13	147	P2	TWD	11	010	-0.34	LTE	UTE	WAR		22	INLET	510XB
		0.40	140	P2	TWD	25	012	-0.40	LTE	UTE	WAR		22	INLET	510XB
		1.33	78	P22	VOL		012	-0.37	012	012	WAR		21	INLET	510XP
51	8	0.16	147	P2	TWD	10	011	+0.29	LTE	UTE	WAR		20	INLET	510XB
51	10	0.33	138	P2	TWD	18	012	-0.44	LTE	UTE	WAR		20	INLET	510XB
51	102	0.07	131	P2	TWD	6	008	+0.26	LTE	UTE	WAR	4	639	INLET	510UL
51	117	0.08	152	P2	TWD	6	011	-0.44	LTE	UTE	WAR	0	82	INLET	510XB
		0.15	148	P2	TWD	10	012	-0.47	LTE	UTE	WAR	0	82	INLET	510XB
51	118	0.10	134	P2	TWD	9	010	-0.37	LTE	UTE	WAR	0	84	INLET	510XB
		0.10	140	P2	TWD	9	011	+0.29	LTE	UTE	WAR	0	84	INLET	510XB
51	122	0.10	146	P2	TWD	9	011	-0.34	LTE	UTE	WAR	0	84	INLET	510XB
52	1	0.12	133	P2	TWD	10	007	-0.31	LTE	UTE	WAR		100	INLET	510XB
52	3	0.12	140	P2	TWD	8	011	+0.34	LTE	UTE	WAR	0	20	INLET	510XB
52	4	0.57	136	P2	TWD	31	012	-0.37	LTE	UTE	WAR		22	INLET	510XB
		0.14	145	P2	TWD	12	013	-0.40	LTE	UTE	WAR		22	INLET	510XB
		1.85	80	P22	VOL		012	-0.37	012	012	WAR		21	INLET	510XP
52	5	0.33	140	P2	TWD	18	012	-0.39	LTE	UTE	WAR		20	INLET	510XB
		0.08	151	P2	TWD	5	013	-0.42	LTE	UTE	WAR	0	20	INLET	510XB
52	7	0.08	157	P2	TWD	5	012	-0.42	LTE	UTE	WAR	5	20	INLET	510XB
52	8	0.07	143	P2	TWD	6	010	-0.39	LTE	UTE	WAR		22	INLET	510XB
		0.15	138	P2	TWD	12	011	+0.26	LTE	UTE	WAR		22	INLET	510XB
		0.08	157	P2	TWD	7	012	-0.45	LTE	UTE	WAR	0	22	INLET	510XB
52	9	0.31	140	P2	TWD	17	014	-0.52	LTE	UTE	WAR		20	INLET	510XB
		0.09	127	P2	TWD	6	013	-0.57	LTE	UTE	WAR	3	20	INLET	510XB
52	108	0.13	133	P2	TWD	8	010	+0.23	LTE	UTE	WAR		82	INLET	510XB
52	110	0.13	150	P2	TWD	8	014	+0.03	LTE	UTE	WAR		82	INLET	510XB
52	114	0.23	142	P2	TWD	14	012	-0.52	LTE	UTE	WAR		82	INLET	510XB
52	117	0.09	154	P2	TWD	8	012	-0.47	LTE	UTE	WAR		84	INLET	510XB
52	118	0.16	149	P2	TWD	10	012	-0.47	LTE	UTE	WAR		82	INLET	510XB
52	119	0.08	153	P2	TWD	7	012	-0.45	LTE	UTE	WAR		84	INLET	510XB
		0.11	147	P2	TWD	10	011	+0.29	LTE	UTE	WAR	4	84	INLET	510XB
52	121	0.24	140	P2	TWD	18	012	-0.39	LTE	UTE	WAR		84	INLET	510XB
53	3	0.10	140	P2	TWD	6	011	-0.34	LTE	UTE	WAR	5	2	INLET	510XB
53	7	0.13	143	P2	TWD	8	012	-0.42	LTE	UTE	WAR	6	20	INLET	510XB
53	9	0.06	146	P2	TWD	4	011	+0.26	LTE	UTE	WAR	4	20	INLET	510XB
		0.07	150	P2	TWD	5	012	-0.47	LTE	UTE	WAR	5	20	INLET	510XB
53	29	0.10	142	P2	TWD	6	013	+0.03	LTE	UTE	WAR		20	INLET	510XB
53	112	0.14	136	P2	TWD	12	012	-0.55	LTE	UTE	WAR	0	84	INLET	510XB
53	114	0.14	147	P2	TWD	12	011	-0.47	LTE	UTE	WAR	0	84	INLET	510XB
53	117	0.15	144	P2	TWD	10	012	-0.47	LTE	UTE	WAR	0	82	INLET	510XB
53	119	0.29	146	P2	TWD	16	011	-0.41	LTE	UTE	WAR		82	INLET	510XB
53	122	0.07	148	P2	TWD	6	012	-0.39	LTE	UTE	WAR		84	INLET	510XB
54	1	0.13	143	P2	TWD	11	006	-0.29	LTE	UTE	WAR		100	INLET	510XB
		0.17	130	P2	TWD	14	007	-0.39	LTE	UTE	WAR		100	INLET	510XB
		0.08	107	P2	TWD	7	009	-0.34	LTE	UTE	WAR	0	100	INLET	510XB
54	2	0.18	148	P2	TWD	10	012	-0.34	LTE	UTE	WAR		2	INLET	510XB
54	4	0.14	140	P2	TWD	11	012	-0.37	LTE	UTE	WAR		22	INLET	510XB
		0.12	149	P2	TWD	10	013	+0.37	LTE	UTE	WAR	0	22	INLET	510XB
54	7	0.21	142	P2	TWD	13	010	-0.36	LTE	UTE	WAR		20	INLET	510XB
54	8	0.11	127	P2	TWD	10	010	-0.34	LTE	UTE	WAR		22	INLET	510XB
		0.22	142	P2	TWD	17	012	-0.42	LTE	UTE	WAR		22	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.25	138	P2	TWD	18	012	+0.26	LTE	UTE	WAR		22	INLET	510XB
		0.15	146	P2	TWD	12	014	-0.50	LTE	UTE	WAR		22	INLET	510XB
		0.09	151	P2	TWD	8	014	+0.24	LTE	UTE	WAR	0	22	INLET	510XB
54	9	0.13	147	P2	TWD	8	011	-0.39	LTE	UTE	WAR	0	20	INLET	510XB
54	10	0.08	147	P2	TWD	7	010	-0.39	LTE	UTE	WAR		22	INLET	510XB
		0.18	151	P2	TWD	14	012	-0.45	LTE	UTE	WAR	3	22	INLET	510XB
54	11	0.20	122	P2	TWD	12	013	-0.55	LTE	UTE	WAR		20	INLET	510XB
		0.09	156	P2	TWD	6	012	-0.52	LTE	UTE	WAR	4	20	INLET	510XB
54	12	0.13	141	P2	TWD	11	011	+0.24	LTE	UTE	WAR		22	INLET	510XB
54	39	0.05	79	P2	TWD	4	007	+0.15	LTE	UTE	WAR		28	INLET	510XB
54	77	0.04	63	P2	TWD	3	009	+0.65	LTE	UTE	WAR		70	INLET	510XB
		0.11	119	P2	TWD	7	007	+0.10	LTE	UTE	WAR		70	INLET	510XB
54	84	0.06	118	P2	TWD	4	008	+0.23	LTE	UTE	WAR		70	INLET	510XB
54	97	0.10	153	P2	TWD	9	007	-0.57	LTE	UTE	WAR	4	639	INLET	510UL
54	107	0.07	143	P2	TWD	5	011	+0.10	LTE	UTE	WAR		82	INLET	510XB
54	116	0.09	158	P2	TWD	8	011	-0.47	LTE	UTE	WAR	0	84	INLET	510XB
54	118	0.10	147	P2	TWD	9	013	-0.53	LTE	UTE	WAR		84	INLET	510XB
		0.09	153	P2	TWD	8	011	-0.42	LTE	UTE	WAR	0	84	INLET	510XB
54	120	0.14	143	P2	TWD	12	011	+0.29	LTE	UTE	WAR		84	INLET	510XB
54	121	0.07	158	P2	TWD	5	012	-0.39	LTE	UTE	WAR		82	INLET	510XB
55	3	0.11	128	P2	TWD	7	010	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.11	147	P2	TWD	7	012	-0.36	LTE	UTE	WAR		2	INLET	510XB
55	4	0.19	145	P2	TWD	15	013	+0.37	LTE	UTE	WAR		22	INLET	510XB
55	5	0.10	133	P2	TWD	7	010	-0.36	LTE	UTE	WAR		20	INLET	510XB
55	6	0.09	151	P2	TWD	6	011	+0.29	LTE	UTE	WAR		20	INLET	510XB
		0.29	139	P2	TWD	16	013	+0.34	LTE	UTE	WAR		20	INLET	510XB
		0.06	141	P2	TWD	4	010	-0.42	LTE	UTE	WAR	4	20	INLET	510XB
		0.08	141	P2	TWD	5	012	-0.39	LTE	UTE	WAR	2	20	INLET	510XB
		0.07	138	P2	TWD	5	012	+0.21	LTE	UTE	WAR	3	20	INLET	510XB
55	7	0.14	141	P2	TWD	12	012	-0.42	LTE	UTE	WAR		22	INLET	510XB
		0.12	152	P2	TWD	10	013	+0.29	LTE	UTE	WAR		22	INLET	510XB
55	8	1.75	256	P2	VOL		012	+0.26	012	012	WAR		19	INLET	510XP
		0.09	149	P2	TWD	6	011	-0.42	LTE	UTE	WAR		20	INLET	510XB
		0.09	146	P2	TWD	6	011	+0.23	LTE	UTE	WAR		20	INLET	510XB
		0.28	143	P2	TWD	16	012	-0.44	LTE	UTE	WAR		20	INLET	510XB
		0.43	140	P2	TWD	22	012	+0.26	LTE	UTE	WAR		20	INLET	510XB
		0.23	142	P2	TWD	14	013	+0.31	LTE	UTE	WAR		20	INLET	510XB
55	10	0.09	148	P2	TWD	6	010	-0.39	LTE	UTE	WAR	0	20	INLET	510XB
55	12	0.17	143	P2	TWD	11	012	+0.10	LTE	UTE	WAR		20	INLET	510XB
		0.07	153	P2	TWD	5	012	-0.49	LTE	UTE	WAR	4	20	INLET	510XB
55	50	0.06	144	P2	TWD	5	008	+0.21	LTE	UTE	WAR	5	571	INLET	510UL
55	52	0.07	141	P2	TWD	6	007	+0.13	LTE	UTE	WAR	5	571	INLET	510UL
55	86	0.07	142	P2	TWD	4	007	+0.13	LTE	UTE	WAR		70	INLET	510XB
55	103	0.07	132	P2	TWD	6	008	+0.23	LTE	UTE	WAR	3	639	INLET	510UL
55	116	0.09	154	P2	TWD	8	011	-0.47	LTE	UTE	WAR	0	84	INLET	510XB
55	117	0.08	137	P2	TWD	5	009	-0.39	LTE	UTE	WAR		82	INLET	510XB
55	118	0.16	148	P2	TWD	13	012	+0.32	LTE	UTE	WAR		84	INLET	510XB
		0.11	153	P2	TWD	10	010	+0.63	LTE	UTE	WAR	0	84	INLET	510XB
55	120	0.09	151	P2	TWD	8	012	-0.45	LTE	UTE	WAR		84	INLET	510XB
56	3	0.11	122	P2	TWD	6	006	-0.31	LTE	UTE	WAR		2	INLET	510XB
56	4	0.20	141	P2	TWD	12	012	-0.39	LTE	UTE	WAR		20	INLET	510XB
56	6	1.76	68	P12	VOL		012	-0.39	012	012	WAR		19	INLET	510XP
		1.78	74	P2	VOL		012	+0.29	012	012	WAR		19	INLET	510XP
		0.09	147	P2	TWD	6	010	-0.34	LTE	UTE	WAR		20	INLET	510XB
		0.35	137	P2	TWD	19	011	+0.31	LTE	UTE	WAR		20	INLET	510XB
		0.80	131	P2	TWD	32	012	-0.39	LTE	UTE	WAR		20	INLET	510XB
		0.38	136	P2	TWD	20	012	+0.29	LTE	UTE	WAR		20	INLET	510XB
56	7	0.14	138	P2	TWD	12	010	-0.34	LTE	UTE	WAR		22	INLET	510XB
56	8	0.10	138	P2	TWD	7	011	-0.39	LTE	UTE	WAR		20	INLET	510XB
56	12	0.21	142	P2	TWD	13	012	-0.49	LTE	UTE	WAR		20	INLET	510XB
		0.08	149	P2	TWD	5	012	+0.08	LTE	UTE	WAR	0	20	INLET	510XB
56	15	0.14	119	P2	TWD	11	010	+0.26	LTE	UTE	WAR	0	22	INLET	510XB
56	18	0.08	149	P2	TWD	5	011	+0.16	LTE	UTE	WAR		20	INLET	510XB
56	19	0.15	134	P2	TWD	12	012	-0.61	LTE	UTE	WAR		22	INLET	510XB
		0.24	135	P2	TWD	18	012	+0.11	LTE	UTE	WAR		22	INLET	510XB
56	42	0.06	127	P2	TWD	5	008	+0.13	LTE	UTE	WAR	3	571	INLET	510UL
56	44	0.11	137	P2	TWD	7	007	+0.03	LTE	UTE	WAR		28	INLET	510XB
56	57	0.09	141	P2	TWD	6	007	-0.65	LTE	UTE	WAR	4	591	INLET	510UL
56	79	0.15	136	P2	TWD	9	007	-0.60	LTE	UTE	WAR		70	INLET	510XB
56	100	0.06	134	P2	TWD	6	008	+0.21	LTE	UTE	WAR	4	639	INLET	510UL
56	119	1.63	95	22	VOL		011	-0.49	011	011	WAR		81	INLET	510XP
		0.39	140	P2	TWD	20	011	-0.44	LTE	UTE	WAR		82	INLET	510XB
56	120	0.20	148	P2	TWD	16	011	-0.42	LTE	UTE	WAR		84	INLET	510XB
56	123	0.20	146	P2	TWD	12	012	-0.39	LTE	UTE	WAR		82	INLET	510XB
56	127	1.12	113	2	VOL		011	-0.26	011	011	WAR		91	INLET	510XP
		0.07	148	P2	TWD	7	007	-0.31	LTE	UTE	WAR		92	INLET	510XB
		0.45	138	P2	TWD	28	011	-0.31	LTE	UTE	WAR		92	INLET	510XB
57	1	2.02	58	P18	VOL		012	-0.31	012	012	WAR		99	INLET	510XP
		1.71	53	P21	VOL		011	-0.31	011	011	WAR		99	INLET	510XP
		0.35	137	P2	TWD	23	011	-0.29	LTE	UTE	WAR		100	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.45	131	P2	TWD	28	012	-0.34	LTE	UTE	WAR		100	INLET	510XB
		0.11	145	P2	TWD	10	013	+0.42	LTE	UTE	WAR		100	INLET	510XB
		0.11	138	P2	TWD	10	009	+0.60	LTE	UTE	WAR		100	INLET	510XB
57	4	0.16	137	P2	TWD	9	010	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.16	147	P2	TWD	9	012	-0.36	LTE	UTE	WAR		2	INLET	510XB
57	5	0.08	149	P2	TWD	7	011	+0.34	LTE	UTE	WAR		18	INLET	510XB
57	6	0.15	143	P2	TWD	9	012	-0.39	LTE	UTE	WAR		16	INLET	510XB
57	7	0.09	157	P2	TWD	8	012	-0.40	LTE	UTE	WAR		18	INLET	510XB
		0.10	153	P2	TWD	9	012	+0.26	LTE	UTE	WAR		18	INLET	510XB
57	11	0.13	149	P2	TWD	11	011	-0.45	LTE	UTE	WAR		22	INLET	510XB
		0.07	154	P2	TWD	6	011	+0.29	LTE	UTE	WAR	0	22	INLET	510XB
57	12	0.08	150	P2	TWD	5	012	+0.08	LTE	UTE	WAR	4	20	INLET	510XB
57	27	0.09	144	P2	TWD	7	013	+0.00	LTE	UTE	WAR	0	567	INLET	510UL
57	65	0.09	139	P2	TWD	6	007	-0.59	LTE	UTE	WAR		158	INLET	510XB
57	90	0.07	148	P2	TWD	7	007	-0.57	LTE	UTE	WAR	4	625	INLET	510UL
57	98	0.10	140	P2	TWD	7	007	-0.52	LTE	UTE	WAR		82	INLET	510XB
		0.07	151	P2	TWD	5	008	+0.21	LTE	UTE	WAR	0	82	INLET	510XB
		0.05	105	P2	TWD	4	007	+0.18	LTE	UTE	WAR		82	INLET	510XB
57	101	0.08	132	P2	TWD	8	007	-0.60	LTE	UTE	WAR	0	639	INLET	510UL
57	120	0.08	156	P2	TWD	7	011	-0.44	LTE	UTE	WAR		84	INLET	510XB
57	121	0.14	146	P2	TWD	9	011	-0.41	LTE	UTE	WAR		82	INLET	510XB
58	1	0.15	140	P2	TWD	13	006	-0.31	LTE	UTE	WAR		10	INLET	510XB
58	2	0.13	148	P2	TWD	8	006	-0.34	LTE	UTE	WAR		2	INLET	510XB
58	3	0.75	131	P2	TWD	29	010	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.60	132	P2	TWD	25	012	-0.34	LTE	UTE	WAR		2	INLET	510XB
		2.23	108	30	VOL		010	-0.39	010	010	WAR		1	INLET	510XP
		1.56	118	54	VOL		012	-0.39	012	012	WAR		1	INLET	510XP
58	4	0.15	142	P2	TWD	9	010	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.12	151	P2	TWD	7	011	+0.36	LTE	UTE	WAR		2	INLET	510XB
58	5	0.13	142	P2	TWD	8	010	-0.34	LTE	UTE	WAR		16	INLET	510XB
		0.19	144	P2	TWD	11	012	-0.36	LTE	UTE	WAR		16	INLET	510XB
58	6	0.08	129	P2	TWD	7	010	-0.37	LTE	UTE	WAR		18	INLET	510XB
58	22	0.08	114	P2	TWD	5	014	-0.68	LTE	UTE	WAR	6	569	INLET	510UL
		0.18	141	P2	TWD	11	012	-0.60	LTE	UTE	WAR	6	569	INLET	510UL
58	37	0.06	128	P2	TWD	5	007	+0.03	LTE	UTE	WAR	4	571	INLET	510UL
58	44	0.11	138	P2	TWD	7	007	+0.13	LTE	UTE	WAR		28	INLET	510XB
58	78	0.09	125	P2	TWD	8	007	-0.65	LTE	UTE	WAR	0	625	INLET	510UL
		0.07	92	P2	TWD	7	008	-0.60	LTE	UTE	WAR	0	625	INLET	510UL
58	83	0.09	137	P2	TWD	6	007	-0.57	LTE	UTE	WAR		70	INLET	510XB
58	94	0.05	106	P2	TWD	3	007	+0.21	LTE	UTE	WAR		70	INLET	510XB
58	115	0.14	135	P2	TWD	12	012	-0.55	LTE	UTE	WAR		92	INLET	510XB
58	120	0.27	143	P2	TWD	15	011	-0.47	LTE	UTE	WAR		90	INLET	510XB
59	1	1.72	84	P17	VOL		011	-0.28	011	011	WAR		9	INLET	510XP
		0.08	149	P2	TWD	8	003	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.09	135	P2	TWD	8	008	+0.41	LTE	UTE	WAR		10	INLET	510XB
		0.58	129	P2	TWD	33	011	-0.28	LTE	UTE	WAR		10	INLET	510XB
		0.19	138	P2	TWD	16	012	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.25	141	P2	TWD	19	013	+0.42	LTE	UTE	WAR		10	INLET	510XB
59	2	0.08	121	P2	TWD	5	003	-0.26	LTE	UTE	WAR		2	INLET	510XB
		0.29	138	P2	TWD	15	012	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.06	118	P2	TWD	4	002	-0.26	LTE	UTE	WAR		2	INLET	510XB
59	3	0.61	129	P2	TWD	26	010	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.33	137	P2	TWD	17	012	-0.36	LTE	UTE	WAR		2	INLET	510XB
		0.21	143	P2	TWD	12	011	+0.36	LTE	UTE	WAR	0	2	INLET	510XB
		1.98	115	54	VOL		010	-0.36	010	010	WAR		1	INLET	510XP
59	4	0.37	141	P2	TWD	18	011	+0.34	LTE	UTE	WAR		2	INLET	510XB
		0.08	151	P2	TWD	5	012	-0.34	LTE	UTE	WAR		2	INLET	510XB
		0.33	142	P2	TWD	17	013	-0.42	LTE	UTE	WAR		2	INLET	510XB
59	5	0.09	149	P2	TWD	6	012	-0.39	LTE	UTE	WAR		16	INLET	510XB
59	7	0.09	154	P2	TWD	6	012	+0.26	LTE	UTE	WAR		16	INLET	510XB
59	34	0.08	110	P2	TWD	7	012	-0.03	LTE	UTE	WAR	0	571	INLET	510UL
59	49	0.07	137	P2	TWD	6	007	+0.10	LTE	UTE	WAR	0	571	INLET	510UL
59	55	0.13	134	P2	TWD	8	007	-0.62	LTE	UTE	WAR	6	591	INLET	510UL
59	60	0.08	117	P2	TWD	5	007	-0.62	LTE	UTE	WAR	4	591	INLET	510UL
59	69	0.10	109	P2	TWD	6	008	-0.64	LTE	UTE	WAR	0	631	INLET	510UL
59	81	0.07	122	P2	TWD	6	007	+0.18	LTE	UTE	WAR	4	625	INLET	510UL
59	93	0.05	112	P2	TWD	3	007	+0.23	LTE	UTE	WAR		70	INLET	510XB
59	102	0.11	75	P2	TWD	10	007	-0.60	LTE	UTE	WAR	0	639	INLET	510UL
59	106	0.09	148	P2	TWD	8	008	+0.26	LTE	UTE	WAR	2	639	INLET	510UL
59	108	0.11	141	P2	TWD	10	014	+0.05	LTE	UTE	WAR	2	639	INLET	510UL
59	121	0.22	143	P2	TWD	18	012	-0.45	LTE	UTE	WAR		92	INLET	510XB
59	122	0.10	136	P2	TWD	6	011	+0.31	LTE	UTE	WAR	4	90	INLET	510XB
60	1	1.36	86	P18	VOL		012	-0.34	012	012	WAR		9	INLET	510XP
		0.09	133	P2	TWD	9	001	-0.23	LTE	UTE	WAR		10	INLET	510XB
		0.08	140	P2	TWD	8	002	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.54	131	P2	TWD	31	012	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.15	143	P2	TWD	13	013	-0.36	LTE	UTE	WAR		10	INLET	510XB
		0.08	155	P2	TWD	7	013	+0.39	LTE	UTE	WAR	4	10	INLET	510XB
60	3	0.56	135	P2	TWD	24	010	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.26	141	P2	TWD	14	011	+0.36	LTE	UTE	WAR		2	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.42	138	P2	TWD	20	012	-0.34	LTE	UTE	WAR		2	INLET	510XB
		0.34	141	P2	TWD	17	013	+0.39	LTE	UTE	WAR		2	INLET	510XB
		0.08	142	P2	TWD	5	013	-0.39	LTE	UTE	WAR	0	2	INLET	510XB
		0.11	137	P2	TWD	7	012	+0.34	LTE	UTE	WAR	0	2	INLET	510XB
		1.09	123	54	VOL		012	-0.37	012	012	WAR		1	INLET	510XP
		1.63	114	54	VOL		010	-0.36	010	010	WAR		1	INLET	510XP
60	4	0.14	134	P2	TWD	8	006	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.25	143	P2	TWD	13	013	-0.42	LTE	UTE	WAR		2	INLET	510XB
		0.19	145	P2	TWD	11	013	+0.37	LTE	UTE	WAR		2	INLET	510XB
		0.17	143	P2	TWD	10	011	+0.36	LTE	UTE	WAR	6	2	INLET	510XB
60	5	0.15	149	P2	TWD	13	011	+0.26	LTE	UTE	WAR	0	18	INLET	510XB
		1.08	128	P2	TWD	42	012	+0.32	LTE	UTE	WAR	LAR	18	INLET	510XB
		3.95	106	150	VOL		012	+0.24	012	012	WAR		17	INLET	510XP
60	6	3.16	99	106	VOL		012	-0.37	012	012	WAR		15	INLET	510XP
		0.80	133	P2	TWD	31	012	-0.39	LTE	UTE	WAR		16	INLET	510XB
		0.10	157	P2	TWD	7	015	+0.55	LTE	UTE	WAR		16	INLET	510XB
60	7	0.08	149	P2	TWD	7	011	-0.42	LTE	UTE	WAR		18	INLET	510XB
		0.16	146	P2	TWD	13	012	-0.39	LTE	UTE	WAR	5	18	INLET	510XB
		1.08	128	P2	TWD	42	012	+0.29	LTE	UTE	WAR	LAR	18	INLET	510XB
		3.90	107	154	VOL		012	+0.18	012	012	WAR		17	INLET	510XP
60	13	0.10	150	P2	TWD	9	010	-0.44	LTE	UTE	WAR		18	INLET	510XB
60	15	0.18	138	P2	TWD	14	014	-0.61	LTE	UTE	WAR		18	INLET	510XB
60	72	0.06	63	P2	TWD	6	007	+0.10	LTE	UTE	WAR	4	633	INLET	510UL
60	82	0.06	132	P2	TWD	4	008	+0.21	LTE	UTE	WAR		70	INLET	510XB
		0.09	133	P2	TWD	5	007	-0.60	LTE	UTE	WAR	0	70	INLET	510XB
60	84	0.08	135	P2	TWD	5	006	+0.21	LTE	UTE	WAR		70	INLET	510XB
60	87	0.11	133	P2	TWD	9	008	-0.60	LTE	UTE	WAR	5	633	INLET	510UL
60	91	0.09	147	P2	TWD	6	007	-0.55	LTE	UTE	WAR		70	INLET	510XB
60	94	0.07	136	P2	TWD	4	007	+0.18	LTE	UTE	WAR		70	INLET	510XB
60	97	0.11	130	P2	TWD	7	007	-0.64	LTE	UTE	WAR	4	631	INLET	510UL
60	99	0.06	150	P2	TWD	6	007	-0.55	LTE	UTE	WAR	0	639	INLET	510UL
60	101	0.09	92	P2	TWD	8	007	-0.60	LTE	UTE	WAR	3	639	INLET	510UL
60	106	0.09	104	P2	TWD	6	008	+0.26	LTE	UTE	WAR	4	637	INLET	510UL
60	107	0.07	128	P2	TWD	6	008	+0.26	LTE	UTE	WAR	4	639	INLET	510UL
60	110	0.08	157	P2	TWD	5	007	-0.50	LTE	UTE	WAR	5	637	INLET	510UL
60	115	0.08	155	P2	TWD	8	007	-0.47	LTE	UTE	WAR	5	92	INLET	510XB
60	117	0.09	144	P2	TWD	8	007	-0.44	LTE	UTE	WAR	4	92	INLET	510XB
60	119	0.14	152	P2	TWD	12	012	-0.50	LTE	UTE	WAR	5	92	INLET	510XB
60	122	0.10	156	P2	TWD	6	011	-0.41	LTE	UTE	WAR		90	INLET	510XB
60	123	0.17	149	P2	TWD	14	011	-0.39	LTE	UTE	WAR		92	INLET	510XB
		0.12	144	P2	TWD	11	011	+0.31	LTE	UTE	WAR		92	INLET	510XB
61	1	0.12	134	P2	TWD	11	003	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.09	136	P2	TWD	9	007	+0.41	LTE	UTE	WAR		10	INLET	510XB
		0.07	129	P2	TWD	7	009	-0.33	LTE	UTE	WAR	5	10	INLET	510XB
61	3	0.64	131	P2	TWD	26	010	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.51	138	P2	TWD	23	012	-0.31	LTE	UTE	WAR		2	INLET	510XB
		0.08	149	P2	TWD	5	011	+0.37	LTE	UTE	WAR	0	2	INLET	510XB
		1.63	117	54	VOL		010	-0.36	010	010	WAR		1	INLET	510XP
		1.49	118	54	VOL		012	-0.37	012	012	WAR		1	INLET	510XP
61	4	0.20	144	P2	TWD	11	011	+0.36	LTE	UTE	WAR		2	INLET	510XB
		0.22	143	P2	TWD	12	012	-0.34	LTE	UTE	WAR		2	INLET	510XB
61	6	0.12	135	P2	TWD	10	011	-0.37	LTE	UTE	WAR		18	INLET	510XB
		0.19	143	P2	TWD	15	012	-0.37	LTE	UTE	WAR		18	INLET	510XB
		0.22	147	P2	TWD	17	012	+0.29	LTE	UTE	WAR		18	INLET	510XB
61	7	0.20	140	P2	TWD	12	013	-0.47	LTE	UTE	WAR		16	INLET	510XB
61	8	0.29	139	P2	TWD	21	012	-0.42	LTE	UTE	WAR		18	INLET	510XB
		0.16	137	P2	TWD	13	013	-0.50	LTE	UTE	WAR		18	INLET	510XB
		0.97	104	110	VOL		012	-0.37	012	012	WAR		17	INLET	510XP
61	12	0.16	146	P2	TWD	13	012	-0.47	LTE	UTE	WAR		18	INLET	510XB
61	13	0.19	146	P2	TWD	11	011	-0.49	LTE	UTE	WAR		16	INLET	510XB
		0.13	144	P2	TWD	8	012	-0.52	LTE	UTE	WAR		16	INLET	510XB
61	14	0.10	145	P2	TWD	9	011	-0.50	LTE	UTE	WAR		18	INLET	510XB
		0.17	144	P2	TWD	14	012	+0.13	LTE	UTE	WAR		18	INLET	510XB
61	48	0.08	130	P2	TWD	6	007	-0.62	LTE	UTE	WAR	3	571	INLET	510UL
61	79	0.11	133	P2	TWD	7	007	-0.62	LTE	UTE	WAR		70	INLET	510XB
61	88	0.11	125	P2	TWD	9	007	-0.54	LTE	UTE	WAR	7	633	INLET	510UL
61	94	0.06	140	P2	TWD	4	007	-0.52	LTE	UTE	WAR		70	INLET	510XB
61	99	0.09	163	P2	TWD	8	007	-0.60	LTE	UTE	WAR	4	639	INLET	510UL
61	101	0.09	127	P2	TWD	8	007	-0.57	LTE	UTE	WAR	3	639	INLET	510UL
61	103	0.10	145	P2	TWD	9	007	-0.57	LTE	UTE	WAR	3	639	INLET	510UL
61	111	0.12	158	P2	TWD	7	007	-0.51	LTE	UTE	WAR		90	INLET	510XB
61	121	0.10	140	P2	TWD	6	012	+0.34	LTE	UTE	WAR	4	90	INLET	510XB
61	122	0.10	155	P2	TWD	9	014	-0.47	LTE	UTE	WAR	5	92	INLET	510XB
61	123	0.15	153	P2	TWD	9	011	-0.41	LTE	UTE	WAR		90	INLET	510XB
61	124	0.13	141	P2	TWD	11	007	-0.34	LTE	UTE	WAR		92	INLET	510XB
61	127	0.15	141	P2	TWD	13	011	+0.37	LTE	UTE	WAR	5	92	INLET	510XB
62	1	0.07	99	P2	TWD	7	001	-0.20	LTE	UTE	WAR		10	INLET	510XB
		0.09	131	P2	TWD	9	012	-0.29	LTE	UTE	WAR	4	10	INLET	510XB
62	3	0.06	138	P2	TWD	4	012	-0.37	LTE	UTE	WAR		2	INLET	510XB
		0.18	144	P2	TWD	10	011	+0.37	LTE	UTE	WAR	0	2	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
62	4	0.57	135	P2	TWD	25	012	-0.37	LTE	UTE	WAR		2	INLET	510XB
		0.28	144	P2	TWD	15	012	+0.31	LTE	UTE	WAR	0	2	INLET	510XB
		1.54	116	54	VOL		012	-0.37	012	012	WAR		1	INLET	510XP
62	5	0.20	144	P2	TWD	12	011	+0.31	LTE	UTE	WAR	0	16	INLET	510XB
		1.60	122	P2	TWD	43	012	-0.39	LTE	UTE	WAR	LAR	16	INLET	510XB
		5.22	93	130	VOL		012	-0.39	012	012	WAR		15	INLET	510XP
62	6	0.37	138	P2	TWD	24	012	+0.29	LTE	UTE	WAR		18	INLET	510XB
		0.29	146	P2	TWD	20	013	+0.32	LTE	UTE	WAR		18	INLET	510XB
		0.10	141	P2	TWD	9	011	-0.37	LTE	UTE	WAR	0	18	INLET	510XB
		1.08	114	134	VOL		012	+0.34	012	012	WAR		17	INLET	510XP
		0.69	110	134	VOL		013	+0.37	013	013	WAR		17	INLET	510XP
62	7	0.08	145	P2	TWD	5	011	-0.42	LTE	UTE	WAR		16	INLET	510XB
		0.11	151	P2	TWD	7	012	+0.29	LTE	UTE	WAR	0	16	INLET	510XB
62	10	0.40	137	P2	TWD	25	012	+0.24	LTE	UTE	WAR		18	INLET	510XB
		0.89	103	134	VOL		012	+0.26	012	012	WAR		17	INLET	510XP
62	12	0.35	140	P2	TWD	23	012	+0.21	LTE	UTE	WAR		18	INLET	510XB
		0.85	117	158	VOL		012	+0.26	012	012	WAR		17	INLET	510XP
62	13	0.17	130	P2	TWD	10	013	-0.60	LTE	UTE	WAR		16	INLET	510XB
62	14	0.11	152	P2	TWD	10	010	-0.44	LTE	UTE	WAR		18	INLET	510XB
		0.12	152	P2	TWD	10	011	-0.55	LTE	UTE	WAR		18	INLET	510XB
62	49	0.06	145	P2	TWD	5	007	+0.13	LTE	UTE	WAR	3	571	INLET	510UL
62	79	0.11	136	P2	TWD	7	007	-0.62	LTE	UTE	WAR		70	INLET	510XB
62	92	0.07	105	P2	TWD	4	007	+0.21	LTE	UTE	WAR		70	INLET	510XB
62	112	0.12	148	P2	TWD	7	011	+0.13	LTE	UTE	WAR	6	90	INLET	510XB
62	116	0.30	141	P2	TWD	16	011	-0.54	LTE	UTE	WAR		90	INLET	510XB
		0.18	141	P2	TWD	11	012	-0.55	LTE	UTE	WAR		90	INLET	510XB
62	119	0.09	155	P2	TWD	8	012	+0.32	LTE	UTE	WAR	4	92	INLET	510XB
62	122	0.18	150	P2	TWD	11	011	-0.46	LTE	UTE	WAR		90	INLET	510XB
63	1	0.07	148	P2	TWD	7	006	+0.36	LTE	UTE	WAR		10	INLET	510XB
63	2	0.10	132	P2	TWD	6	006	-0.31	LTE	UTE	WAR		2	INLET	510XB
63	3	0.44	135	P2	TWD	21	010	-0.29	LTE	UTE	WAR		2	INLET	510XB
		1.35	123	54	VOL		010	-0.29	010	010	WAR		1	INLET	510XP
63	4	0.34	141	P2	TWD	17	011	+0.37	LTE	UTE	WAR		2	INLET	510XB
		0.65	135	P2	TWD	27	012	-0.34	LTE	UTE	WAR		2	INLET	510XB
		0.18	146	P2	TWD	10	012	+0.37	LTE	UTE	WAR		2	INLET	510XB
		0.09	152	P2	TWD	6	013	+0.34	LTE	UTE	WAR		2	INLET	510XB
		1.81	114	58	VOL		012	-0.34	012	012	WAR		1	INLET	510XP
63	5	0.11	151	P2	TWD	7	012	+0.34	LTE	UTE	WAR		2	INLET	510XB
		0.10	147	P2	TWD	6	013	-0.44	LTE	UTE	WAR		2	INLET	510XB
		0.08	142	P2	TWD	5	011	-0.37	LTE	UTE	WAR	0	2	INLET	510XB
		0.14	149	P2	TWD	8	013	+0.31	LTE	UTE	WAR	5	2	INLET	510XB
63	6	0.21	142	P2	TWD	16	013	+0.29	LTE	UTE	WAR		18	INLET	510XB
63	7	0.12	152	P2	TWD	8	011	-0.39	LTE	UTE	WAR		16	INLET	510XB
		0.15	148	P2	TWD	9	013	-0.50	LTE	UTE	WAR		16	INLET	510XB
63	8	0.08	123	P2	TWD	7	008	+0.34	LTE	UTE	WAR		18	INLET	510XB
		0.13	152	P2	TWD	11	014	+0.26	LTE	UTE	WAR		18	INLET	510XB
63	9	0.14	140	P2	TWD	9	013	-0.57	LTE	UTE	WAR		16	INLET	510XB
		0.15	151	P2	TWD	10	012	-0.44	LTE	UTE	WAR	4	16	INLET	510XB
63	10	0.32	144	P2	TWD	22	012	-0.45	LTE	UTE	WAR		18	INLET	510XB
		1.71	103	118	VOL		012	-0.53	012	012	WAR		17	INLET	510XP
63	13	0.12	147	P2	TWD	8	010	-0.44	LTE	UTE	WAR		16	INLET	510XB
		0.12	148	P2	TWD	8	012	+0.18	LTE	UTE	WAR		16	INLET	510XB
63	14	0.12	147	P2	TWD	10	012	-0.53	LTE	UTE	WAR		18	INLET	510XB
63	15	0.15	136	P2	TWD	9	013	-0.63	LTE	UTE	WAR		16	INLET	510XB
		0.12	144	P2	TWD	8	011	+0.16	LTE	UTE	WAR	0	16	INLET	510XB
63	53	0.06	93	P2	TWD	5	008	+0.21	LTE	UTE	WAR	3	571	INLET	510UL
63	55	0.07	131	P2	TWD	5	007	+0.13	LTE	UTE	WAR	5	571	INLET	510UL
63	67	0.10	120	P2	TWD	6	007	-0.64	LTE	UTE	WAR		158	INLET	510XB
63	81	0.07	121	P2	TWD	6	006	+0.10	LTE	UTE	WAR	4	633	INLET	510UL
63	87	0.08	120	P2	TWD	7	007	-0.55	LTE	UTE	WAR	0	633	INLET	510UL
		0.05	146	P2	TWD	5	008	+0.23	LTE	UTE	WAR	0	633	INLET	510UL
63	89	0.09	131	P2	TWD	8	007	-0.55	LTE	UTE	WAR	4	633	INLET	510UL
63	92	0.09	147	P2	TWD	5	007	-0.61	LTE	UTE	WAR	0	631	INLET	510UL
63	93	0.09	139	P2	TWD	8	007	-0.60	LTE	UTE	WAR	3	633	INLET	510UL
63	100	0.05	137	P2	TWD	3	008	+0.23	LTE	UTE	WAR		90	INLET	510XB
63	110	0.17	137	P2	TWD	10	011	-0.64	LTE	UTE	WAR	7	637	INLET	510UL
63	112	0.22	138	P2	TWD	12	011	-0.60	LTE	UTE	WAR		90	INLET	510XB
63	113	0.13	154	P2	TWD	12	007	-0.50	LTE	UTE	WAR		92	INLET	510XB
		0.17	134	P2	TWD	14	011	-0.60	LTE	UTE	WAR		92	INLET	510XB
63	118	0.09	134	P2	TWD	6	007	-0.46	LTE	UTE	WAR		90	INLET	510XB
63	119	0.12	149	P2	TWD	11	011	-0.50	LTE	UTE	WAR	5	92	INLET	510XB
63	121	0.25	145	P2	TWD	19	011	-0.44	LTE	UTE	WAR		92	INLET	510XB
63	122	0.18	152	P2	TWD	11	011	-0.46	LTE	UTE	WAR		90	INLET	510XB
		0.12	152	P2	TWD	7	012	-0.44	LTE	UTE	WAR		90	INLET	510XB
63	123	0.15	142	P2	TWD	13	011	-0.42	LTE	UTE	WAR		92	INLET	510XB
63	124	0.18	145	P2	TWD	11	011	-0.41	LTE	UTE	WAR		90	INLET	510XB
63	125	0.09	147	P2	TWD	8	012	-0.45	LTE	UTE	WAR	5	92	INLET	510XB
63	127	0.14	141	P2	TWD	12	012	-0.37	LTE	UTE	WAR		98	INLET	510XB
63	129	0.18	86	P2	TWD	14	010	+0.70	LTE	UTE	WAR		98	INLET	510XB
64	1	0.13	150	P2	TWD	12	013	+0.41	LTE	UTE	WAR	0	10	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.09	144	P2	TWD	8	010 -0.28	LTE	UTE	WAR	5	10	INLET	510XB
64	2	0.22	136	P2	TWD	12	010 -0.29	LTE	UTE	WAR		2	INLET	510XB
		0.15	150	P2	TWD	9	013 +0.42	LTE	UTE	WAR		2	INLET	510XB
64	3	0.10	151	P2	TWD	6	013 +0.39	LTE	UTE	WAR	0	2	INLET	510XB
64	4	0.64	131	P2	TWD	27	010 -0.31	LTE	UTE	WAR		2	INLET	510XB
		0.15	150	P2	TWD	9	011 +0.34	LTE	UTE	WAR		2	INLET	510XB
		0.10	117	P2	TWD	6	006 -0.36	LTE	UTE	WAR	6	2	INLET	510XB
		1.72	113	54	VOL		010 -0.34	010	010	WAR		1	INLET	510XP
64	5	0.45	137	P2	TWD	21	010 -0.31	LTE	UTE	WAR		2	INLET	510XB
		0.20	140	P2	TWD	11	013 +0.34	LTE	UTE	WAR		2	INLET	510XB
		1.27	123	54	VOL		010 -0.36	010	010	WAR		1	INLET	510XP
64	6	0.13	141	P2	TWD	8	012 -0.37	LTE	UTE	WAR		16	INLET	510XB
64	7	0.14	136	P2	TWD	11	013 +0.32	LTE	UTE	WAR		18	INLET	510XB
64	8	0.11	142	P2	TWD	7	013 +0.29	LTE	UTE	WAR		16	INLET	510XB
64	9	0.41	141	P2	TWD	26	012 -0.42	LTE	UTE	WAR		18	INLET	510XB
		0.13	151	P2	TWD	11	012 +0.26	LTE	UTE	WAR		18	INLET	510XB
		1.48	92	114	VOL		012 -0.45	012	012	WAR		17	INLET	510XP
64	10	0.25	138	P2	TWD	14	012 +0.26	LTE	UTE	WAR	8	16	INLET	510XB
64	13	0.18	142	P2	TWD	14	011 -0.53	LTE	UTE	WAR		18	INLET	510XB
		0.12	144	P2	TWD	10	012 -0.50	LTE	UTE	WAR		18	INLET	510XB
64	14	0.22	140	P2	TWD	13	012 +0.21	LTE	UTE	WAR		16	INLET	510XB
64	17	0.09	148	P2	TWD	8	011 -0.55	LTE	UTE	WAR		18	INLET	510XB
		0.21	132	P2	TWD	16	012 +0.16	LTE	UTE	WAR		18	INLET	510XB
64	70	0.09	140	P2	TWD	6	007 -0.64	LTE	UTE	WAR		162	INLET	510XB
64	77	0.07	132	P2	TWD	5	008 +0.21	LTE	UTE	WAR		70	INLET	510XB
64	81	0.11	84	P2	TWD	7	007 -0.62	LTE	UTE	WAR	6	631	INLET	510UL
64	82	0.07	118	P2	TWD	6	008 +0.18	LTE	UTE	WAR	4	633	INLET	510UL
		0.08	56	P2	TWD	7	007 +0.16	LTE	UTE	WAR	2	633	INLET	510UL
64	87	0.08	25	P2	TWD	7	007 -0.52	LTE	UTE	WAR	0	633	INLET	510UL
64	89	0.11	124	P2	TWD	10	007 -0.55	LTE	UTE	WAR	7	633	INLET	510UL
64	93	0.09	147	P2	TWD	8	007 -0.60	LTE	UTE	WAR	2	633	INLET	510UL
64	100	0.08	136	P2	TWD	7	008 +0.21	LTE	UTE	WAR	4	639	INLET	510UL
64	104	0.13	50	P2	TWD	11	008 +0.23	LTE	UTE	WAR	5	639	INLET	510UL
64	110	0.09	131	P2	TWD	8	007 -0.52	LTE	UTE	WAR	3	639	INLET	510UL
64	114	0.11	143	P2	TWD	10	006 -0.39	LTE	UTE	WAR	5	92	INLET	510XB
64	116	0.17	139	P2	TWD	14	012 -0.58	LTE	UTE	WAR	5	92	INLET	510XB
64	118	0.14	137	P2	TWD	12	011 -0.52	LTE	UTE	WAR	5	92	INLET	510XB
64	119	0.21	143	P2	TWD	12	012 -0.55	LTE	UTE	WAR		90	INLET	510XB
64	121	0.19	144	P2	TWD	11	012 -0.49	LTE	UTE	WAR		90	INLET	510XB
64	122	0.14	150	P2	TWD	12	011 -0.44	LTE	UTE	WAR		92	INLET	510XB
64	123	0.32	142	P2	TWD	17	011 -0.44	LTE	UTE	WAR		90	INLET	510XB
64	124	1.56	100	30	VOL		011 -0.47	011	011	WAR		91	INLET	510XP
		0.29	142	P2	TWD	21	011 -0.44	LTE	UTE	WAR		92	INLET	510XB
		0.05	157	P2	TWD	5	011 +0.29	LTE	UTE	WAR		92	INLET	510XB
64	131	0.10	148	P2	TWD	9	007 -0.31	LTE	UTE	WAR		98	INLET	510XB
65	1	2.53	82	P19	VOL		012 -0.29	012	012	WAR		9	INLET	510XP
		0.85	128	P2	TWD	39	012 -0.29	LTE	UTE	WAR		10	INLET	510XB
65	2	0.16	136	P2	TWD	9	013 +0.39	LTE	UTE	WAR		2	INLET	510XB
65	5	0.15	152	P2	TWD	9	011 +0.34	LTE	UTE	WAR		2	INLET	510XB
		0.11	146	P2	TWD	7	013 +0.34	LTE	UTE	WAR	0	2	INLET	510XB
65	13	0.27	143	P2	TWD	15	012 +0.21	LTE	UTE	WAR		16	INLET	510XB
		0.32	138	P2	TWD	17	014 -0.60	LTE	UTE	WAR		16	INLET	510XB
65	14	0.13	143	P2	TWD	11	011 +0.18	LTE	UTE	WAR		18	INLET	510XB
		0.23	145	P2	TWD	17	012 -0.50	LTE	UTE	WAR		18	INLET	510XB
		0.10	139	P2	TWD	9	014 -0.64	LTE	UTE	WAR		18	INLET	510XB
		0.14	144	P2	TWD	12	014 +0.13	LTE	UTE	WAR		18	INLET	510XB
65	16	0.09	135	P2	TWD	8	007 -0.44	LTE	UTE	WAR		18	INLET	510XB
65	54	0.07	138	P2	TWD	7	007 -0.60	LTE	UTE	WAR	0	525	INLET	510UL
65	74	0.05	118	P2	TWD	5	007 +0.08	LTE	UTE	WAR	0	629	INLET	510UL
65	76	0.09	67	P2	TWD	8	008 +0.21	LTE	UTE	WAR	2	633	INLET	510UL
65	86	0.11	145	P2	TWD	7	007 -0.55	LTE	UTE	WAR		70	INLET	510XB
65	94	0.10	140	P2	TWD	6	007 -0.57	LTE	UTE	WAR		70	INLET	510XB
65	95	0.06	144	P2	TWD	6	007 +0.23	LTE	UTE	WAR		72	INLET	510XB
65	109	0.10	151	P2	TWD	6	007 -0.57	LTE	UTE	WAR		90	INLET	510XB
65	113	0.07	126	P2	TWD	7	010 +0.13	LTE	UTE	WAR	4	92	INLET	510XB
65	115	0.13	145	P2	TWD	12	011 -0.58	LTE	UTE	WAR		92	INLET	510XB
65	116	0.11	143	P2	TWD	7	007 -0.46	LTE	UTE	WAR		90	INLET	510XB
		0.10	139	P2	TWD	6	011 +0.13	LTE	UTE	WAR	3	90	INLET	510XB
65	117	1.46	97	34	VOL		012 -0.59	012	012	WAR		91	INLET	510XP
		0.28	137	P2	TWD	21	012 -0.55	LTE	UTE	WAR		92	INLET	510XB
		0.07	136	P2	TWD	7	011 +0.21	LTE	UTE	WAR	5	92	INLET	510XB
65	118	0.36	140	P2	TWD	18	012 -0.52	LTE	UTE	WAR		90	INLET	510XB
		0.17	149	P2	TWD	10	010 +0.57	LTE	UTE	WAR	7	90	INLET	510XB
		0.21	140	P2	TWD	12	011 -0.52	LTE	UTE	WAR	7	90	INLET	510XB
		0.12	137	P2	TWD	7	011 +0.23	LTE	UTE	WAR	3	90	INLET	510XB
65	121	0.16	149	P2	TWD	13	011 -0.47	LTE	UTE	WAR	5	92	INLET	510XB
65	122	0.09	146	P2	TWD	6	014 -0.50	LTE	UTE	WAR		90	INLET	510XB
		0.36	144	P2	TWD	18	011 -0.46	LTE	UTE	WAR		90	INLET	510XB
65	123	0.10	158	P2	TWD	9	011 -0.42	LTE	UTE	WAR		92	INLET	510XB
65	124	0.15	149	P2	TWD	9	011 -0.41	LTE	UTE	WAR		90	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.09	152	P2	TWD	5	011	+0.31	LTE	UTE	WAR		90	INLET	510XB
65	126	0.08	142	P2	TWD	7	012	-0.39	LTE	UTE	WAR		98	INLET	510XB
65	130	0.13	148	P2	TWD	11	007	-0.29	LTE	UTE	WAR		98	INLET	510XB
66	1	0.10	140	P2	TWD	10	011	-0.31	LTE	UTE	WAR	6	10	INLET	510XB
66	3	0.13	123	P2	TWD	8	010	+0.70	LTE	UTE	WAR		2	INLET	510XB
		0.14	144	P2	TWD	8	011	-0.34	LTE	UTE	WAR		2	INLET	510XB
		0.17	147	P2	TWD	10	013	+0.39	LTE	UTE	WAR	0	2	INLET	510XB
66	5	0.13	138	P2	TWD	7	011	+0.34	LTE	UTE	WAR	0	2	INLET	510XB
66	6	0.14	143	P2	TWD	9	012	+0.31	LTE	UTE	WAR	4	16	INLET	510XB
66	7	0.12	142	P2	TWD	10	013	+0.29	LTE	UTE	WAR		18	INLET	510XB
66	10	0.12	143	P2	TWD	7	007	+0.31	LTE	UTE	WAR		16	INLET	510XB
66	18	0.13	142	P2	TWD	8	012	+0.13	LTE	UTE	WAR	5	16	INLET	510XB
66	51	0.07	149	P2	TWD	5	008	+0.21	LTE	UTE	WAR	4	527	INLET	510UL
66	72	0.09	146	P2	TWD	8	008	-0.60	LTE	UTE	WAR	6	629	INLET	510UL
66	74	0.06	122	P2	TWD	5	008	+0.16	LTE	UTE	WAR	3	629	INLET	510UL
66	80	0.10	147	P2	TWD	6	007	-0.56	LTE	UTE	WAR	5	631	INLET	510UL
66	81	0.07	130	P2	TWD	4	007	+0.10	LTE	UTE	WAR		70	INLET	510XB
66	85	0.07	106	P2	TWD	5	007	+0.10	LTE	UTE	WAR		70	INLET	510XB
66	87	0.10	133	P2	TWD	6	007	+0.16	LTE	UTE	WAR		70	INLET	510XB
66	88	0.11	136	P2	TWD	10	007	-0.57	LTE	UTE	WAR		72	INLET	510XB
66	89	0.11	137	P2	TWD	9	007	-0.57	LTE	UTE	WAR	6	633	INLET	510UL
66	97	0.06	143	P2	TWD	5	007	-0.57	LTE	UTE	WAR	0	633	INLET	510UL
66	103	0.08	146	P2	TWD	5	011	-0.75	LTE	UTE	WAR		90	INLET	510XB
66	105	0.10	133	P2	TWD	6	007	+0.18	LTE	UTE	WAR		90	INLET	510XB
66	111	0.14	147	P2	TWD	8	007	-0.51	LTE	UTE	WAR		90	INLET	510XB
66	114	0.90	155	82	VOL		012	-0.68	012	012	WAR		91	INLET	510XP
		0.29	125	P2	TWD	21	012	-0.61	LTE	UTE	WAR		92	INLET	510XB
66	116	0.09	134	P2	TWD	9	007	-0.47	LTE	UTE	WAR		92	INLET	510XB
		0.21	136	P2	TWD	17	011	-0.60	LTE	UTE	WAR		92	INLET	510XB
66	118	0.14	156	P2	TWD	13	010	+0.60	LTE	UTE	WAR		92	INLET	510XB
		0.17	148	P2	TWD	15	012	-0.53	LTE	UTE	WAR		92	INLET	510XB
		0.13	137	P2	TWD	12	012	+0.26	LTE	UTE	WAR	5	92	INLET	510XB
66	119	0.08	147	P2	TWD	5	011	+0.23	LTE	UTE	WAR		90	INLET	510XB
		0.17	142	P2	TWD	10	011	-0.54	LTE	UTE	WAR	5	90	INLET	510XB
66	120	0.13	151	P2	TWD	12	011	-0.52	LTE	UTE	WAR		92	INLET	510XB
		0.12	143	P2	TWD	11	012	+0.18	LTE	UTE	WAR	5	92	INLET	510XB
66	121	0.18	146	P2	TWD	10	011	-0.54	LTE	UTE	WAR	5	90	INLET	510XB
66	122	0.21	145	P2	TWD	17	011	-0.44	LTE	UTE	WAR		92	INLET	510XB
		0.14	143	P2	TWD	13	012	+0.34	LTE	UTE	WAR		92	INLET	510XB
66	123	0.27	142	P2	TWD	15	011	-0.44	LTE	UTE	WAR		90	INLET	510XB
66	124	0.08	149	P2	TWD	8	011	+0.29	LTE	UTE	WAR	4	92	INLET	510XB
66	127	0.10	158	P2	TWD	9	012	-0.37	LTE	UTE	WAR		98	INLET	510XB
66	129	0.09	146	P2	TWD	7	011	-0.34	LTE	UTE	WAR		98	INLET	510XB
66	131	0.19	147	P2	TWD	15	011	+0.39	LTE	UTE	WAR		98	INLET	510XB
		0.04	160	P2	TWD	3	009	-0.34	LTE	UTE	WAR		98	INLET	510XB
		0.11	139	P2	TWD	9	011	-0.31	LTE	UTE	WAR	4	98	INLET	510XB
67	1	0.12	152	P2	TWD	11	013	+0.42	LTE	UTE	WAR		10	INLET	510XB
67	2	0.10	147	P2	TWD	6	012	+0.39	LTE	UTE	WAR		2	INLET	510XB
67	3	0.10	147	P2	TWD	6	013	-0.39	LTE	UTE	WAR	0	2	INLET	510XB
67	4	0.07	120	P2	TWD	4	007	-0.34	LTE	UTE	WAR		2	INLET	510XB
67	6	0.06	158	P2	TWD	6	013	+0.32	LTE	UTE	WAR		18	INLET	510XB
67	7	0.15	143	P2	TWD	10	013	+0.31	LTE	UTE	WAR		16	INLET	510XB
		0.20	145	P2	TWD	12	012	-0.37	LTE	UTE	WAR	0	16	INLET	510XB
67	9	0.22	138	P2	TWD	13	012	+0.31	LTE	UTE	WAR		16	INLET	510XB
67	13	0.38	139	P2	TWD	20	012	-0.52	LTE	UTE	WAR		16	INLET	510XB
		1.27	126	154	VOL		012	-0.52	012	012	WAR		15	INLET	510XP
67	14	0.15	147	P2	TWD	12	012	-0.50	LTE	UTE	WAR		18	INLET	510XB
		0.15	133	P2	TWD	12	012	+0.18	LTE	UTE	WAR		18	INLET	510XB
67	16	0.16	146	P2	TWD	13	012	-0.53	LTE	UTE	WAR		18	INLET	510XB
		0.08	142	P2	TWD	7	012	+0.16	LTE	UTE	WAR		18	INLET	510XB
		0.17	134	P2	TWD	14	013	-0.61	LTE	UTE	WAR		18	INLET	510XB
		0.21	142	P2	TWD	16	011	-0.53	LTE	UTE	WAR	0	18	INLET	510XB
67	22	0.09	141	P2	TWD	6	012	+0.03	LTE	UTE	WAR		16	INLET	510XB
67	53	0.07	153	P2	TWD	7	007	-0.62	LTE	UTE	WAR	0	525	INLET	510UL
67	64	0.17	132	P2	TWD	10	007	-0.61	LTE	UTE	WAR		162	INLET	510XB
		0.12	109	P2	TWD	8	008	-0.59	LTE	UTE	WAR		162	INLET	510XB
67	78	0.05	108	P2	TWD	5	008	+0.16	LTE	UTE	WAR	0	633	INLET	510UL
67	86	0.08	112	P2	TWD	5	007	+0.16	LTE	UTE	WAR		70	INLET	510XB
67	87	0.11	126	P2	TWD	9	007	-0.57	LTE	UTE	WAR	0	633	INLET	510UL
67	89	0.08	132	P2	TWD	7	007	-0.57	LTE	UTE	WAR	0	633	INLET	510UL
67	93	0.07	139	P2	TWD	5	007	-0.52	LTE	UTE	WAR		70	INLET	510XB
67	95	0.07	127	P2	TWD	5	007	+0.16	LTE	UTE	WAR		70	INLET	510XB
67	111	0.12	144	P2	TWD	10	007	-0.52	LTE	UTE	WAR	8	635	INLET	510UL
67	114	0.16	145	P2	TWD	9	006	-0.41	LTE	UTE	WAR		90	INLET	510XB
67	115	0.21	138	P2	TWD	17	011	-0.60	LTE	UTE	WAR		92	INLET	510XB
67	116	0.45	139	P2	TWD	21	014	-0.63	LTE	UTE	WAR		90	INLET	510XB
		0.24	138	P2	TWD	13	011	-0.57	LTE	UTE	WAR	5	90	INLET	510XB
		2.13	93	30	VOL		014	-0.65	014	014	WAR		89	INLET	510XP
67	117	0.16	150	P2	TWD	14	010	+0.21	LTE	UTE	WAR		92	INLET	510XB
67	118	0.12	150	P2	TWD	7	007	-0.41	LTE	UTE	WAR		90	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.18	147	P2	TWD	11	010 +0.57	LTE	UTE	WAR		90	INLET	510XB
		0.20	142	P2	TWD	11	012 -0.55	LTE	UTE	WAR	5	90	INLET	510XB
67	119	1.51	96	66	VOL		010 +0.50	010	010	WAR		91	INLET	510XP
		0.17	131	P2	TWD	15	010 +0.21	LTE	UTE	WAR		92	INLET	510XB
		0.57	138	P2	TWD	32	010 +0.58	LTE	UTE	WAR		92	INLET	510XB
		0.14	142	P2	TWD	12	011 -0.52	LTE	UTE	WAR		92	INLET	510XB
		0.15	147	P2	TWD	13	012 -0.53	LTE	UTE	WAR		92	INLET	510XB
67	120	0.26	143	P2	TWD	14	011 -0.52	LTE	UTE	WAR		90	INLET	510XB
67	121	0.16	151	P2	TWD	14	011 -0.50	LTE	UTE	WAR		92	INLET	510XB
		0.05	69	P2	TWD	5	011 +0.24	LTE	UTE	WAR		92	INLET	510XB
67	124	0.09	153	P2	TWD	6	014 -0.45	LTE	UTE	WAR		90	INLET	510XB
68	1	0.74	87	P20	VOL		012 -0.29	012	012	WAR		9	INLET	510XP
		0.07	144	P2	TWD	7	008 -0.31	LTE	UTE	WAR		10	INLET	510XB
		0.29	138	P2	TWD	21	012 -0.26	LTE	UTE	WAR		10	INLET	510XB
68	2	0.08	128	P2	TWD	5	006 -0.31	LTE	UTE	WAR		2	INLET	510XB
		0.19	140	P2	TWD	11	011 -0.34	LTE	UTE	WAR		2	INLET	510XB
		0.18	141	P2	TWD	10	012 +0.42	LTE	UTE	WAR		2	INLET	510XB
68	3	0.10	88	P2	TWD	6	006 -0.36	LTE	UTE	WAR		6	INLET	510XB
		0.19	132	P2	TWD	11	012 -0.32	LTE	UTE	WAR		6	INLET	510XB
		0.09	140	P2	TWD	6	014 -0.34	LTE	UTE	WAR	0	6	INLET	510XB
68	5	0.44	137	P2	TWD	21	010 -0.31	LTE	UTE	WAR		2	INLET	510XB
		1.25	120	54	VOL		010 -0.39	010	010	WAR		1	INLET	510XP
68	6	0.10	137	P2	TWD	9	013 +0.34	LTE	UTE	WAR		18	INLET	510XB
68	8	0.21	146	P2	TWD	16	014 -0.47	LTE	UTE	WAR		18	INLET	510XB
68	10	0.70	130	P2	TWD	35	010 -0.39	LTE	UTE	WAR		18	INLET	510XB
		0.29	144	P2	TWD	21	012 +0.29	LTE	UTE	WAR		18	INLET	510XB
		0.21	140	P2	TWD	16	013 -0.55	LTE	UTE	WAR		18	INLET	510XB
		0.14	151	P2	TWD	12	013 +0.24	LTE	UTE	WAR	6	18	INLET	510XB
		0.14	119	P2	TWD	12	010 +0.00	LTE	UTE	WAR	5	18	INLET	510XB
		1.91	96	142	VOL		010 -0.47	010	010	WAR		17	INLET	510XP
		0.81	113	134	VOL		012 +0.34	012	012	WAR		17	INLET	510XP
68	71	0.13	124	P2	TWD	8	007 -0.64	LTE	UTE	WAR		162	INLET	510XB
68	79	0.07	74	P2	TWD	6	007 +0.16	LTE	UTE	WAR	5	633	INLET	510UL
68	93	0.10	149	P2	TWD	9	007 -0.57	LTE	UTE	WAR	2	633	INLET	510UL
68	95	0.10	134	P2	TWD	8	007 -0.55	LTE	UTE	WAR	6	633	INLET	510UL
68	112	0.09	148	P2	TWD	8	007 -0.52	LTE	UTE	WAR	7	635	INLET	510UL
		0.08	120	P2	TWD	7	012 -0.65	LTE	UTE	WAR	5	635	INLET	510UL
68	113	0.14	140	P2	TWD	8	007 -0.49	LTE	UTE	WAR		90	INLET	510XB
68	115	0.24	133	P2	TWD	13	011 -0.57	LTE	UTE	WAR		90	INLET	510XB
		0.30	140	P2	TWD	16	012 -0.57	LTE	UTE	WAR		90	INLET	510XB
68	116	0.17	144	P2	TWD	15	012 -0.55	LTE	UTE	WAR		92	INLET	510XB
		0.13	123	P2	TWD	11	014 -0.53	LTE	UTE	WAR		92	INLET	510XB
		0.16	138	P2	TWD	14	011 +0.16	LTE	UTE	WAR	6	92	INLET	510XB
68	118	0.15	141	P2	TWD	13	011 +0.21	LTE	UTE	WAR		92	INLET	510XB
		0.20	142	P2	TWD	16	012 -0.55	LTE	UTE	WAR		92	INLET	510XB
68	119	0.28	145	P2	TWD	15	011 -0.52	LTE	UTE	WAR		90	INLET	510XB
68	120	0.15	151	P2	TWD	13	011 -0.50	LTE	UTE	WAR	5	92	INLET	510XB
69	2	0.18	139	P2	TWD	11	012 -0.29	LTE	UTE	WAR		6	INLET	510XB
69	4	0.23	136	P2	TWD	13	013 +0.39	LTE	UTE	WAR	6	6	INLET	510XB
		0.12	150	P2	TWD	8	014 -0.37	LTE	UTE	WAR	0	6	INLET	510XB
69	5	0.08	146	P2	TWD	8	013 +0.37	LTE	UTE	WAR	0	100	INLET	510XB
69	9	0.29	142	P2	TWD	21	010 -0.39	LTE	UTE	WAR		18	INLET	510XB
		1.30	100	142	VOL		010 -0.45	010	010	WAR		17	INLET	510XP
69	12	0.19	144	P2	TWD	12	012 -0.45	LTE	UTE	WAR		16	INLET	510XB
		0.14	145	P2	TWD	9	012 +0.24	LTE	UTE	WAR		16	INLET	510XB
69	13	0.16	146	P2	TWD	13	010 -0.42	LTE	UTE	WAR		18	INLET	510XB
		0.21	140	P2	TWD	16	012 +0.21	LTE	UTE	WAR		18	INLET	510XB
69	14	0.23	139	P2	TWD	13	012 +0.21	LTE	UTE	WAR		16	INLET	510XB
69	15	0.32	145	P2	TWD	22	012 -0.50	LTE	UTE	WAR		18	INLET	510XB
		1.82	93	118	VOL		012 -0.53	012	012	WAR		17	INLET	510XP
69	17	0.12	139	P2	TWD	10	012 -0.53	LTE	UTE	WAR		18	INLET	510XB
		0.08	155	P2	TWD	7	012 +0.16	LTE	UTE	WAR		18	INLET	510XB
		0.18	132	P2	TWD	15	014 -0.63	LTE	UTE	WAR		18	INLET	510XB
69	22	0.13	115	P2	TWD	10	011 -0.63	LTE	UTE	WAR	6	563	INLET	510UL
69	87	0.07	126	P2	TWD	6	007 +0.18	LTE	UTE	WAR	4	633	INLET	510UL
69	89	0.08	142	P2	TWD	7	007 -0.57	LTE	UTE	WAR	5	633	INLET	510UL
69	90	0.10	138	P2	TWD	6	007 -0.54	LTE	UTE	WAR	5	631	INLET	510UL
69	93	0.07	136	P2	TWD	6	007 -0.57	LTE	UTE	WAR	4	633	INLET	510UL
69	95	0.06	80	P2	TWD	4	007 +0.18	LTE	UTE	WAR		70	INLET	510XB
69	111	0.12	145	P2	TWD	7	007 -0.51	LTE	UTE	WAR		90	INLET	510XB
69	112	0.12	146	P2	TWD	11	007 -0.52	LTE	UTE	WAR		92	INLET	510XB
		0.23	138	P2	TWD	18	011 -0.63	LTE	UTE	WAR		92	INLET	510XB
69	113	0.22	131	P2	TWD	13	011 -0.62	LTE	UTE	WAR	6	90	INLET	510XB
69	114	0.13	147	P2	TWD	11	007 -0.52	LTE	UTE	WAR		92	INLET	510XB
69	116	0.07	159	P2	TWD	7	007 -0.44	LTE	UTE	WAR		92	INLET	510XB
69	118	0.13	144	P2	TWD	12	010 +0.18	LTE	UTE	WAR	5	92	INLET	510XB
		0.10	148	P2	TWD	9	011 +0.18	LTE	UTE	WAR	0	92	INLET	510XB
69	122	0.24	143	P2	TWD	19	014 -0.50	LTE	UTE	WAR		92	INLET	510XB
		0.11	129	P2	TWD	10	014 +0.21	LTE	UTE	WAR		92	INLET	510XB
		0.09	157	P2	TWD	8	012 -0.47	LTE	UTE	WAR	4	92	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
69	129	0.11	142	P2	TWD	9	011 +0.37	LTE	UTE	WAR	4	98	INLET	510XB
69	132	0.09	153	P2	TWD	8	011 +0.42	LTE	UTE	WAR	4	98	INLET	510XB
70	1	0.12	117	P2	TWD	11	002 -0.26	LTE	UTE	WAR		10	INLET	510XB
		0.18	134	P2	TWD	15	011 -0.29	LTE	UTE	WAR		10	INLET	510XB
70	2	0.14	143	P2	TWD	12	011 -0.31	LTE	UTE	WAR	3	10	INLET	510XB
		0.07	148	P2	TWD	7	012 -0.29	LTE	UTE	WAR	2	10	INLET	510XB
70	5	0.20	144	P2	TWD	12	013 +0.37	LTE	UTE	WAR		6	INLET	510XB
70	10	0.08	145	P2	TWD	7	007 -0.39	LTE	UTE	WAR	5	18	INLET	510XB
		0.19	143	P2	TWD	15	013 -0.55	LTE	UTE	WAR		18	INLET	510XB
70	13	0.16	139	P2	TWD	10	011 -0.52	LTE	UTE	WAR		16	INLET	510XB
		0.19	141	P2	TWD	11	013 +0.18	LTE	UTE	WAR		16	INLET	510XB
70	14	0.13	140	P2	TWD	11	011 -0.53	LTE	UTE	WAR		18	INLET	510XB
		0.15	143	P2	TWD	13	011 +0.16	LTE	UTE	WAR		18	INLET	510XB
		0.63	134	P2	TWD	33	012 -0.53	LTE	UTE	WAR		18	INLET	510XB
		0.24	134	P2	TWD	18	013 -0.58	LTE	UTE	WAR		18	INLET	510XB
		0.30	132	P2	TWD	21	014 -0.58	LTE	UTE	WAR		18	INLET	510XB
		1.42	85	94	VOL		014 -0.61	014	014	WAR		17	INLET	510XP
		2.55	88	118	VOL		012 -0.55	012	012	WAR		17	INLET	510XP
70	15	0.07	134	P2	TWD	5	006 -0.47	LTE	UTE	WAR		16	INLET	510XB
70	77	0.13	121	P2	TWD	11	007 -0.60	LTE	UTE	WAR	6	633	INLET	510UL
70	78	0.11	123	P2	TWD	7	007 -0.59	LTE	UTE	WAR	6	631	INLET	510UL
70	91	0.08	126	P2	TWD	7	007 -0.57	LTE	UTE	WAR	4	633	INLET	510UL
70	93	0.07	139	P2	TWD	5	007 -0.55	LTE	UTE	WAR		70	INLET	510XB
70	95	0.09	130	P2	TWD	6	007 -0.55	LTE	UTE	WAR		70	INLET	510XB
70	97	0.10	114	P2	TWD	8	007 -0.55	LTE	UTE	WAR	3	633	INLET	510UL
70	112	0.19	137	P2	TWD	11	012 -0.65	LTE	UTE	WAR		90	INLET	510XB
70	113	0.12	143	P2	TWD	7	007 -0.49	LTE	UTE	WAR		90	INLET	510XB
70	114	0.18	126	P2	TWD	15	011 -0.60	LTE	UTE	WAR		92	INLET	510XB
70	124	0.12	142	P2	TWD	11	011 +0.29	LTE	UTE	WAR	5	92	INLET	510XB
71	1	0.09	153	P2	TWD	8	003 +0.03	LTE	UTE	WAR		10	INLET	510XB
		0.22	143	P2	TWD	17	003 +0.46	LTE	UTE	WAR		10	INLET	510XB
		0.14	138	P2	TWD	12	008 -0.31	LTE	UTE	WAR		10	INLET	510XB
		0.22	142	P2	TWD	17	012 -0.26	LTE	UTE	WAR		10	INLET	510XB
71	2	0.12	140	P2	TWD	7	006 -0.34	LTE	UTE	WAR		6	INLET	510XB
		0.12	135	P2	TWD	8	011 -0.34	LTE	UTE	WAR		6	INLET	510XB
		0.23	139	P2	TWD	13	012 -0.29	LTE	UTE	WAR		6	INLET	510XB
		0.08	116	P2	TWD	5	007 -0.29	LTE	UTE	WAR	5	6	INLET	510XB
71	10	0.14	145	P2	TWD	9	012 +0.26	LTE	UTE	WAR		16	INLET	510XB
71	13	0.17	146	P2	TWD	14	010 -0.42	LTE	UTE	WAR		18	INLET	510XB
		0.21	148	P2	TWD	16	012 -0.50	LTE	UTE	WAR		18	INLET	510XB
71	14	0.56	135	P2	TWD	25	012 -0.50	LTE	UTE	WAR		16	INLET	510XB
		1.65	122	150	VOL		012 -0.50	012	012	WAR		15	INLET	510XP
71	16	0.20	141	P2	TWD	12	012 +0.16	LTE	UTE	WAR		16	INLET	510XB
71	17	0.09	141	P2	TWD	8	012 +0.13	LTE	UTE	WAR		18	INLET	510XB
71	18	0.23	141	P2	TWD	13	012 +0.16	LTE	UTE	WAR		16	INLET	510XB
71	23	0.07	155	P2	TWD	6	012 +0.05	LTE	UTE	WAR	4	565	INLET	510UL
71	76	0.06	119	P2	TWD	5	007 +0.08	LTE	UTE	WAR	2	629	INLET	510UL
71	81	0.12	120	P2	TWD	10	007 -0.60	LTE	UTE	WAR	2	633	INLET	510UL
71	85	0.11	122	P2	TWD	10	007 -0.57	LTE	UTE	WAR	4	633	INLET	510UL
71	89	0.08	139	P2	TWD	7	007 -0.55	LTE	UTE	WAR	2	633	INLET	510UL
71	91	0.06	150	P2	TWD	6	007 -0.55	LTE	UTE	WAR	2	633	INLET	510UL
71	95	0.07	147	P2	TWD	4	007 -0.55	LTE	UTE	WAR		70	INLET	510XB
71	96	0.12	138	P2	TWD	10	007 -0.55	LTE	UTE	WAR	5	633	INLET	510UL
71	98	0.07	156	P2	TWD	6	007 -0.55	LTE	UTE	WAR	3	633	INLET	510UL
71	111	0.12	136	P2	TWD	7	007 -0.49	LTE	UTE	WAR		90	INLET	510XB
71	113	0.09	134	P2	TWD	6	014 -0.63	LTE	UTE	WAR		90	INLET	510XB
71	117	0.16	137	P2	TWD	9	014 -0.58	LTE	UTE	WAR		90	INLET	510XB
71	119	0.15	141	P2	TWD	9	007 -0.41	LTE	UTE	WAR		90	INLET	510XB
		0.15	132	P2	TWD	9	012 -0.55	LTE	UTE	WAR		90	INLET	510XB
71	126	0.09	142	P2	TWD	8	007 -0.36	LTE	UTE	WAR		92	INLET	510XB
		0.22	148	P2	TWD	18	014 +0.29	LTE	UTE	WAR		92	INLET	510XB
71	127	0.12	142	P2	TWD	10	011 +0.29	LTE	UTE	WAR	5	98	INLET	510XB
71	130	0.08	140	P2	TWD	7	007 -0.31	LTE	UTE	WAR		98	INLET	510XB
71	131	0.10	127	P2	TWD	9	007 -0.31	LTE	UTE	WAR		98	INLET	510XB
72	1	0.83	78	P19	VOL		012 -0.29	012	012	WAR		9	INLET	510XP
		0.13	152	P2	TWD	11	009 +0.65	LTE	UTE	WAR		10	INLET	510XB
		0.09	150	P2	TWD	8	011 -0.29	LTE	UTE	WAR		10	INLET	510XB
		0.37	134	P2	TWD	25	012 -0.29	LTE	UTE	WAR		10	INLET	510XB
72	3	0.08	132	P2	TWD	5	006 -0.34	LTE	UTE	WAR		6	INLET	510XB
72	4	1.70	91	P10	VOL		012 +0.37	012	012	WAR		9	INLET	510XP
		0.40	135	P2	TWD	26	012 +0.37	LTE	UTE	WAR		10	INLET	510XB
		0.09	157	P2	TWD	8	013 +0.39	LTE	UTE	WAR	5	10	INLET	510XB
72	5	0.15	140	P2	TWD	9	013 -0.39	LTE	UTE	WAR		6	INLET	510XB
72	6	0.21	142	P2	TWD	17	012 +0.34	LTE	UTE	WAR		18	INLET	510XB
		0.14	143	P2	TWD	11	013 +0.32	LTE	UTE	WAR		18	INLET	510XB
72	7	0.13	147	P2	TWD	8	012 +0.31	LTE	UTE	WAR		16	INLET	510XB
72	9	0.30	134	P2	TWD	16	010 -0.39	LTE	UTE	WAR		16	INLET	510XB
		0.07	136	P2	TWD	5	012 +0.26	LTE	UTE	WAR		16	INLET	510XB
72	10	0.30	137	P2	TWD	21	007 -0.39	LTE	UTE	WAR		18	INLET	510XB
		1.04	82	46	VOL		007 -0.39	007	007	WAR		17	INLET	510XP

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
72	12	0.29	136	P2	TWD	20	012	+0.21	LTE	UTE	WAR		18	INLET	510XB
		0.09	146	P2	TWD	8	013	+0.24	LTE	UTE	WAR	3	18	INLET	510XB
		0.79	110	158	VOL		012	+0.26	012	012	WAR		17	INLET	510XP
72	13	0.23	139	P2	TWD	13	010	-0.44	LTE	UTE	WAR		16	INLET	510XB
		0.50	134	P2	TWD	24	012	-0.50	LTE	UTE	WAR		16	INLET	510XB
		0.10	138	P2	TWD	7	012	+0.21	LTE	UTE	WAR		16	INLET	510XB
		1.35	126	126	VOL		012	-0.55	012	012	WAR		15	INLET	510XP
72	68	0.08	137	P2	TWD	5	007	+0.15	LTE	UTE	WAR		162	INLET	510XB
72	87	0.08	145	P2	TWD	7	007	-0.57	LTE	UTE	WAR	2	633	INLET	510UL
72	91	0.08	137	P2	TWD	5	007	-0.60	LTE	UTE	WAR		70	INLET	510XB
72	95	0.09	147	P2	TWD	6	007	-0.57	LTE	UTE	WAR		70	INLET	510XB
72	111	0.09	149	P2	TWD	6	007	-0.49	LTE	UTE	WAR		90	INLET	510XB
72	112	0.83	127	18	VOL		011	-0.68	011	011	WAR		91	INLET	510XP
		0.29	127	P2	TWD	22	011	-0.60	LTE	UTE	WAR		92	INLET	510XB
72	113	0.14	144	P2	TWD	9	011	+0.10	LTE	UTE	WAR		90	INLET	510XB
		0.09	134	P2	TWD	5	013	+0.03	LTE	UTE	WAR		90	INLET	510XB
		0.16	132	P2	TWD	10	014	-0.65	LTE	UTE	WAR		90	INLET	510XB
72	116	0.12	145	P2	TWD	11	011	+0.13	LTE	UTE	WAR	5	92	INLET	510XB
72	117	0.15	138	P2	TWD	9	012	-0.60	LTE	UTE	WAR		90	INLET	510XB
72	129	0.20	146	P2	TWD	15	011	-0.36	LTE	UTE	WAR		98	INLET	510XB
72	130	0.11	130	P2	TWD	9	007	-0.28	LTE	UTE	WAR		98	INLET	510XB
72	131	0.23	147	P2	TWD	17	011	+0.42	LTE	UTE	WAR		98	INLET	510XB
73	1	2.24	79	P19	VOL		012	+0.00	012	012	WAR		9	INLET	510XP
		0.76	79	P16	VOL		011	-0.31	011	011	WAR		9	INLET	510XP
		1.65	102	P5	VOL		009	+0.52	009	009	WAR		9	INLET	510XP
		2.39	265	P11	VOL		007	+0.00	007	007	WAR		9	INLET	510XP
		1.32	93	P28	VOL		006	+0.31	006	006	WAR		9	INLET	510XP
		1.60	85	P7	VOL		003	-0.21	003	003	WAR		9	INLET	510XP
		1.92	86	P7	TWD	28	002	+0.00	002	002	WAR		9	INLET	510XP
		0.95	91	P26	TWD	17	002	+0.36	002	002	WAR		9	INLET	510XP
		0.41	133	P2	TWD	27	003	-0.23	LTE	UTE	WAR		10	INLET	510XB
		0.15	136	P2	TWD	13	003	+0.18	LTE	UTE	WAR		10	INLET	510XB
		0.24	140	P2	TWD	19	004	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.09	136	P2	TWD	8	004	+0.41	LTE	UTE	WAR		10	INLET	510XB
		0.12	132	P2	TWD	11	006	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.13	144	P2	TWD	11	006	-0.03	LTE	UTE	WAR		10	INLET	510XB
		0.28	136	P2	TWD	21	006	+0.36	LTE	UTE	WAR		10	INLET	510XB
		0.11	133	P2	TWD	10	008	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.19	140	P2	TWD	15	008	+0.36	LTE	UTE	WAR		10	INLET	510XB
		0.26	142	P2	TWD	20	009	+0.62	LTE	UTE	WAR		10	INLET	510XB
		0.27	135	P2	TWD	20	011	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.09	92	P2	TWD	8	010	-0.18	LTE	UTE	WAR		10	INLET	510XB
		0.56	129	P2	TWD	32	007	+0.00	LTE	UTE	WAR		10	INLET	510XB
		0.09	137	P2	TWD	8	013	-0.31	LTE	UTE	WAR	4	10	INLET	510XB
		0.47	138	P2	TWD	29	002	+0.00	LTE	UTE	WAR		10	INLET	510XB
		0.82	130	P2	TWD	39	012	-0.10	LTE	UTE	WAR		10	INLET	510XB
73	2	0.17	130	P2	TWD	10	006	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.12	133	P2	TWD	7	006	+0.36	LTE	UTE	WAR	7	6	INLET	510XB
73	3	0.13	142	P2	TWD	12	004	-0.28	LTE	UTE	WAR		10	INLET	510XB
		0.09	143	P2	TWD	9	004	+0.36	LTE	UTE	WAR		10	INLET	510XB
		0.09	136	P2	TWD	8	006	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.13	144	P2	TWD	11	006	+0.31	LTE	UTE	WAR		10	INLET	510XB
		0.09	142	P2	TWD	8	008	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.09	154	P2	TWD	8	012	+0.39	LTE	UTE	WAR		10	INLET	510XB
73	4	0.24	143	P2	TWD	14	012	-0.31	LTE	UTE	WAR		6	INLET	510XB
73	5	0.11	144	P2	TWD	10	013	-0.37	LTE	UTE	WAR	6	10	INLET	510XB
73	6	0.11	131	P2	TWD	7	013	-0.42	LTE	UTE	WAR	0	6	INLET	510XB
73	9	0.18	142	P2	TWD	14	013	-0.45	LTE	UTE	WAR		18	INLET	510XB
		0.20	145	P2	TWD	16	014	-0.48	LTE	UTE	WAR		18	INLET	510XB
73	10	0.16	147	P2	TWD	10	012	-0.42	LTE	UTE	WAR	0	16	INLET	510XB
73	11	0.11	147	P2	TWD	9	011	+0.26	LTE	UTE	WAR		18	INLET	510XB
		0.10	143	P2	TWD	9	012	+0.26	LTE	UTE	WAR		18	INLET	510XB
73	13	0.25	144	P2	TWD	19	012	-0.50	LTE	UTE	WAR		18	INLET	510XB
		0.14	144	P2	TWD	12	012	+0.21	LTE	UTE	WAR		18	INLET	510XB
73	14	0.59	132	P2	TWD	26	012	-0.50	LTE	UTE	WAR		16	INLET	510XB
		0.11	147	P2	TWD	7	012	+0.18	LTE	UTE	WAR		16	INLET	510XB
		1.55	125	150	VOL		012	-0.45	012	012	WAR		15	INLET	510XP
73	76	0.06	124	P2	TWD	5	007	+0.13	LTE	UTE	WAR	5	629	INLET	510UL
73	82	0.09	110	P2	TWD	6	007	-0.59	LTE	UTE	WAR	4	631	INLET	510UL
73	83	0.11	111	P2	TWD	7	007	-0.60	LTE	UTE	WAR		70	INLET	510XB
73	84	0.11	125	P2	TWD	7	007	-0.57	LTE	UTE	WAR		70	INLET	510XB
73	86	0.09	135	P2	TWD	6	007	-0.56	LTE	UTE	WAR	0	631	INLET	510UL
73	87	0.10	127	P2	TWD	6	007	-0.55	LTE	UTE	WAR		70	INLET	510XB
73	89	0.10	143	P2	TWD	6	007	-0.54	LTE	UTE	WAR	4	631	INLET	510UL
73	90	0.06	101	P2	TWD	5	007	+0.13	LTE	UTE	WAR	5	633	INLET	510UL
73	94	0.08	148	P2	TWD	7	007	-0.55	LTE	UTE	WAR	2	633	INLET	510UL
73	96	0.07	151	P2	TWD	6	007	-0.57	LTE	UTE	WAR	2	633	INLET	510UL
73	97	0.07	151	P2	TWD	5	007	-0.54	LTE	UTE	WAR	4	631	INLET	510UL
73	111	0.15	126	P2	TWD	9	011	-0.62	LTE	UTE	WAR		90	INLET	510XB
73	113	0.23	140	P2	TWD	13	012	-0.65	LTE	UTE	WAR		90	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
73	115	0.07	129	P2	TWD	4	011	-0.59	LTE	UTE	WAR		90	INLET	510XB
73	116	0.53	146	18	VOL		012	-0.68	012	012	WAR		91	INLET	510XP
		0.28	143	P2	TWD	21	012	-0.58	LTE	UTE	WAR		92	INLET	510XB
		0.09	128	P2	TWD	8	012	+0.16	LTE	UTE	WAR	4	92	INLET	510XB
73	117	0.15	145	P2	TWD	9	011	-0.57	LTE	UTE	WAR		90	INLET	510XB
73	119	0.17	149	P2	TWD	10	012	-0.54	LTE	UTE	WAR		90	INLET	510XB
73	125	0.08	128	P2	TWD	5	011	+0.28	LTE	UTE	WAR	0	90	INLET	510XB
73	131	0.10	135	P2	TWD	8	003	-0.23	LTE	UTE	WAR		98	INLET	510XB
		0.07	144	P2	TWD	6	003	+0.18	LTE	UTE	WAR		98	INLET	510XB
		0.09	153	P2	TWD	8	009	+0.65	LTE	UTE	WAR		98	INLET	510XB
73	132	0.08	158	P2	TWD	6	006	+0.36	LTE	UTE	WAR		118	INLET	510XB
		0.11	150	P2	TWD	9	007	+0.36	LTE	UTE	WAR		118	INLET	510XB
		0.13	143	P2	TWD	10	011	-0.28	LTE	UTE	WAR		118	INLET	510XB
		0.10	143	P2	TWD	8	007	-0.05	LTE	UTE	WAR	8	118	INLET	510XB
		0.09	143	P2	TWD	7	011	+0.42	LTE	UTE	WAR	2	118	INLET	510XB
74	1	0.96	80	P16	VOL		010	-0.26	010	010	WAR		9	INLET	510XP
		1.74	98	P5	VOL		009	+0.57	009	009	WAR		9	INLET	510XP
		1.11	90	P10	VOL		006	-0.31	006	006	WAR		9	INLET	510XP
		1.44	82	P8	VOL		004	-0.31	004	004	WAR		9	INLET	510XP
		2.45	87	P26	TWD	32	002	+0.39	002	002	WAR		9	INLET	510XP
		1.71	97	P7	TWD	26	002	-0.23	002	002	WAR		9	INLET	510XP
		0.85	77	P17	TWD	15	002	+0.00	002	002	WAR		9	INLET	510XP
		0.07	132	P2	TWD	7	001	-0.21	LTE	UTE	WAR		10	INLET	510XB
		0.11	144	P2	TWD	10	001	+0.44	LTE	UTE	WAR		10	INLET	510XB
		0.15	136	P2	TWD	13	003	-0.23	LTE	UTE	WAR		10	INLET	510XB
		0.05	152	P2	TWD	5	003	+0.15	LTE	UTE	WAR		10	INLET	510XB
		0.36	135	P2	TWD	25	004	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.08	149	P2	TWD	7	004	+0.08	LTE	UTE	WAR		10	INLET	510XB
		0.09	125	P2	TWD	8	004	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.07	124	P2	TWD	7	005	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.09	148	P2	TWD	8	005	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.33	134	P2	TWD	23	006	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.12	138	P2	TWD	11	006	+0.03	LTE	UTE	WAR		10	INLET	510XB
		0.14	133	P2	TWD	12	006	+0.36	LTE	UTE	WAR		10	INLET	510XB
		0.08	127	P2	TWD	7	007	-0.23	LTE	UTE	WAR		10	INLET	510XB
		0.12	134	P2	TWD	11	008	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.11	113	P2	TWD	10	009	+0.29	LTE	UTE	WAR		10	INLET	510XB
		0.32	137	P2	TWD	23	009	+0.62	LTE	UTE	WAR		10	INLET	510XB
		0.26	137	P2	TWD	20	010	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.17	137	P2	TWD	15	011	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.23	144	P2	TWD	18	012	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.08	134	P2	TWD	8	012	+0.42	LTE	UTE	WAR		10	INLET	510XB
		0.11	141	P2	TWD	10	013	+0.39	LTE	UTE	WAR		10	INLET	510XB
		1.00	137	P2	TWD	42	002	+0.00	LTE	UTE	WAR	LAR	10	INLET	510XB
74	2	1.05	78	P19	VOL		012	-0.31	012	012	WAR		9	INLET	510XP
		0.12	137	P2	TWD	11	001	-0.21	LTE	UTE	WAR		10	INLET	510XB
		0.16	139	P2	TWD	14	001	+0.46	LTE	UTE	WAR		10	INLET	510XB
		0.15	118	P2	TWD	13	004	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.14	140	P2	TWD	13	004	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.15	137	P2	TWD	13	006	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.18	136	P2	TWD	15	011	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.37	135	P2	TWD	25	012	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.11	138	P2	TWD	10	009	+0.62	LTE	UTE	WAR		10	INLET	510XB
		0.12	129	P2	TWD	11	008	-0.31	LTE	UTE	WAR	5	10	INLET	510XB
		0.09	135	P2	TWD	8	008	+0.36	LTE	UTE	WAR	4	10	INLET	510XB
74	4	0.10	149	P2	TWD	9	013	+0.39	LTE	UTE	WAR	5	10	INLET	510XB
74	9	0.22	144	P2	TWD	13	010	-0.39	LTE	UTE	WAR		16	INLET	510XB
		0.16	147	P2	TWD	10	012	+0.29	LTE	UTE	WAR		16	INLET	510XB
74	10	0.13	148	P2	TWD	11	013	+0.26	LTE	UTE	WAR		18	INLET	510XB
		0.12	150	P2	TWD	10	012	+0.26	LTE	UTE	WAR	0	18	INLET	510XB
74	12	0.19	145	P2	TWD	15	012	+0.18	LTE	UTE	WAR		18	INLET	510XB
		0.11	151	P2	TWD	10	012	-0.47	LTE	UTE	WAR	0	18	INLET	510XB
74	13	0.14	144	P2	TWD	9	010	-0.36	LTE	UTE	WAR	5	16	INLET	510XB
		0.28	148	P2	TWD	15	012	-0.50	LTE	UTE	WAR	0	16	INLET	510XB
74	14	0.24	140	P2	TWD	18	012	+0.18	LTE	UTE	WAR		18	INLET	510XB
74	17	0.13	129	P2	TWD	8	007	-0.44	LTE	UTE	WAR		16	INLET	510XB
74	52	0.10	115	P2	TWD	9	008	-0.57	LTE	UTE	WAR	5	525	INLET	510UL
74	86	0.09	145	P2	TWD	5	007	-0.55	LTE	UTE	WAR		70	INLET	510XB
74	89	0.11	143	P2	TWD	7	007	-0.56	LTE	UTE	WAR	5	631	INLET	510UL
74	90	0.08	139	P2	TWD	5	007	+0.16	LTE	UTE	WAR		70	INLET	510XB
74	91	0.11	127	P2	TWD	9	007	-0.60	LTE	UTE	WAR	4	633	INLET	510UL
74	93	0.13	137	P2	TWD	8	007	-0.57	LTE	UTE	WAR		70	INLET	510XB
74	94	0.12	134	P2	TWD	7	007	-0.57	LTE	UTE	WAR		70	INLET	510XB
		0.11	132	P2	TWD	7	009	-0.57	LTE	UTE	WAR		70	INLET	510XB
		0.08	122	P2	TWD	5	007	+0.23	LTE	UTE	WAR	6	70	INLET	510XB
74	95	0.11	147	P2	TWD	9	007	-0.57	LTE	UTE	WAR	3	633	INLET	510UL
74	109	0.09	144	P2	TWD	6	007	-0.54	LTE	UTE	WAR		90	INLET	510XB
74	112	0.08	130	P2	TWD	7	011	-0.67	LTE	UTE	WAR	5	635	INLET	510UL
74	115	0.18	143	P2	TWD	11	010	+0.13	LTE	UTE	WAR	3	90	INLET	510XB
74	116	1.57	113	66	VOL		010	+0.08	010	010	WAR		91	INLET	510XP

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.43	132	P2	TWD	28	010	+0.16	LTE	UTE	WAR		92	INLET	510XB
74	119	0.13	143	P2	TWD	8	007	-0.41	LTE	UTE	WAR		90	INLET	510XB
		0.12	145	P2	TWD	7	011	-0.54	LTE	UTE	WAR		90	INLET	510XB
74	120	0.15	148	P2	TWD	13	011	-0.52	LTE	UTE	WAR		92	INLET	510XB
74	131	0.16	139	P2	TWD	12	003	-0.26	LTE	UTE	WAR		118	INLET	510XB
		0.25	148	P2	TWD	17	009	+0.65	LTE	UTE	WAR		118	INLET	510XB
		0.19	145	P2	TWD	13	011	-0.29	LTE	UTE	WAR		118	INLET	510XB
		0.21	149	P2	TWD	15	011	+0.42	LTE	UTE	WAR		118	INLET	510XB
75	1	1.61	82	P20	VOL		007	+0.00	007	007	WAR		9	INLET	510XP
		1.12	82	P14	VOL		008	+0.00	008	008	WAR		9	INLET	510XP
		1.52	107	58	VOL		009	+0.47	009	009	WAR		9	INLET	510XP
		1.63	87	P8	TWD	25	003	-0.23	003	003	WAR		9	INLET	510XP
		0.79	64	P17	TWD	15	003	+0.00	003	003	WAR		9	INLET	510XP
		1.30	82	P27	TWD	21	004	+0.36	004	004	WAR		9	INLET	510XP
		0.58	214	P17	TWD	11	004	+0.00	004	004	WAR		9	INLET	510XP
		1.07	96	P28	TWD	18	006	+0.31	006	006	WAR		9	INLET	510XP
		0.58	103	P28	TWD	11	006	+0.00	006	006	WAR		9	INLET	510XP
		1.07	88	P9	TWD	18	006	-0.05	006	006	WAR		9	INLET	510XP
		0.09	128	P2	TWD	8	002	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.08	129	P2	TWD	7	002	+0.13	LTE	UTE	WAR		10	INLET	510XB
		0.52	132	P2	TWD	31	003	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.16	145	P2	TWD	14	003	+0.16	LTE	UTE	WAR		10	INLET	510XB
		0.10	124	P2	TWD	9	004	-0.28	LTE	UTE	WAR		10	INLET	510XB
		0.09	137	P2	TWD	8	004	+0.00	LTE	UTE	WAR		10	INLET	510XB
		0.34	136	P2	TWD	24	004	+0.41	LTE	UTE	WAR		10	INLET	510XB
		0.22	136	P2	TWD	17	006	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.13	141	P2	TWD	11	006	+0.00	LTE	UTE	WAR		10	INLET	510XB
		0.30	141	P2	TWD	22	006	+0.36	LTE	UTE	WAR		10	INLET	510XB
		0.28	129	P2	TWD	21	008	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.06	138	P2	TWD	6	008	+0.13	LTE	UTE	WAR		10	INLET	510XB
		0.18	133	P2	TWD	15	013	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.54	138	P2	TWD	32	009	+0.42	LTE	UTE	WAR		10	INLET	510XB
		0.53	135	P2	TWD	31	007	-0.05	LTE	UTE	WAR		10	INLET	510XB
75	3	0.15	134	P2	TWD	13	006	-0.31	LTE	UTE	WAR		10	INLET	510XB
75	4	0.15	136	P2	TWD	9	006	+0.31	LTE	UTE	WAR		6	INLET	510XB
75	5	1.05	94	P20	VOL		012	-0.34	012	012	WAR		9	INLET	510XP
		0.26	140	P2	TWD	20	012	-0.34	LTE	UTE	WAR		10	INLET	510XB
75	10	0.08	151	P2	TWD	5	010	-0.42	LTE	UTE	WAR		16	INLET	510XB
		0.10	147	P2	TWD	7	012	+0.26	LTE	UTE	WAR		16	INLET	510XB
75	14	0.21	150	P2	TWD	12	012	-0.52	LTE	UTE	WAR		16	INLET	510XB
75	15	0.13	142	P2	TWD	11	012	+0.18	LTE	UTE	WAR		18	INLET	510XB
		0.27	142	P2	TWD	20	012	-0.53	LTE	UTE	WAR	0	18	INLET	510XB
		0.11	139	P2	TWD	9	011	+0.18	LTE	UTE	WAR	0	18	INLET	510XB
		1.57	100	138	VOL		012	-0.55	012	012	WAR		17	INLET	510XP
75	16	0.27	141	P2	TWD	15	012	-0.55	LTE	UTE	WAR	3	16	INLET	510XB
75	17	0.19	134	P2	TWD	15	009	+0.18	LTE	UTE	WAR		18	INLET	510XB
75	72	0.14	118	P2	TWD	9	007	-0.61	LTE	UTE	WAR		162	INLET	510XB
75	81	0.11	78	P2	TWD	10	007	-0.60	LTE	UTE	WAR	4	639	INLET	510UL
		0.07	62	P2	TWD	6	007	+0.13	LTE	UTE	WAR	6	639	INLET	510UL
75	83	0.11	59	P2	TWD	10	007	-0.68	LTE	UTE	WAR	4	639	INLET	510UL
75	87	0.06	74	P2	TWD	4	007	+0.21	LTE	UTE	WAR		70	INLET	510XB
75	91	0.10	139	P2	TWD	6	007	-0.54	LTE	UTE	WAR	3	637	INLET	510UL
75	92	0.10	146	P2	TWD	6	007	-0.52	LTE	UTE	WAR		70	INLET	510XB
75	94	0.15	140	P2	TWD	9	007	-0.57	LTE	UTE	WAR		70	INLET	510XB
75	95	0.08	131	P2	TWD	5	007	-0.56	LTE	UTE	WAR	3	637	INLET	510UL
		0.07	127	P2	TWD	5	007	+0.18	LTE	UTE	WAR	7	637	INLET	510UL
75	96	0.08	139	P2	TWD	5	007	+0.21	LTE	UTE	WAR		70	INLET	510XB
75	97	0.10	128	P2	TWD	6	007	-0.57	LTE	UTE	WAR		70	INLET	510XB
75	99	0.09	142	P2	TWD	5	007	-0.57	LTE	UTE	WAR		70	INLET	510XB
75	112	0.10	143	P2	TWD	6	007	-0.49	LTE	UTE	WAR		90	INLET	510XB
75	113	0.10	130	P2	TWD	10	007	-0.50	LTE	UTE	WAR		92	INLET	510XB
75	116	0.18	134	P2	TWD	11	011	-0.57	LTE	UTE	WAR	7	90	INLET	510XB
75	117	0.09	140	P2	TWD	9	010	+0.16	LTE	UTE	WAR	4	92	INLET	510XB
75	119	0.06	150	P2	TWD	6	007	-0.44	LTE	UTE	WAR		92	INLET	510XB
75	120	0.14	146	P2	TWD	9	011	-0.49	LTE	UTE	WAR		90	INLET	510XB
75	131	0.11	142	P2	TWD	8	006	-0.26	LTE	UTE	WAR		118	INLET	510XB
		0.21	147	P2	TWD	15	007	-0.28	LTE	UTE	WAR		118	INLET	510XB
		0.07	154	P2	TWD	6	007	+0.10	LTE	UTE	WAR		118	INLET	510XB
75	132	0.22	133	P2	TWD	16	006	-0.28	LTE	UTE	WAR		118	INLET	510XB
		0.08	140	P2	TWD	6	007	-0.31	LTE	UTE	WAR		118	INLET	510XB
		0.06	153	P2	TWD	5	009	-0.36	LTE	UTE	WAR		118	INLET	510XB
		0.10	140	P2	TWD	8	011	-0.31	LTE	UTE	WAR		118	INLET	510XB
		0.27	144	P2	TWD	18	011	+0.42	LTE	UTE	WAR		118	INLET	510XB
76	1	0.13	133	P2	TWD	12	004	-0.28	LTE	UTE	WAR		10	INLET	510XB
		0.15	132	P2	TWD	13	006	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.07	110	P2	TWD	7	006	+0.10	LTE	UTE	WAR		10	INLET	510XB
		0.08	129	P2	TWD	7	008	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.22	138	P2	TWD	18	009	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.10	147	P2	TWD	9	009	+0.68	LTE	UTE	WAR		10	INLET	510XB
		0.14	145	P2	TWD	12	012	-0.29	LTE	UTE	WAR	5	10	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
76	2	0.73	94	P20	VOL		012 -0.32	012	012	WAR		9	INLET	510XP
		1.11	81	P17	VOL		011 -0.34	011	011	WAR		9	INLET	510XP
		1.71	103	P6	VOL		009 +0.55	009	009	WAR		9	INLET	510XP
		1.68	85	P11	VOL		007 +0.00	007	007	WAR		9	INLET	510XP
		1.61	90	P28	VOL		005 +0.00	005	005	WAR		9	INLET	510XP
		1.37	87	P27	VOL		004 +0.34	004	004	WAR		9	INLET	510XP
		0.44	129	158	VOL		008 -0.26	008	008	WAR		9	INLET	510XP
		1.91	83	P25	VOL		001 +0.00	001	001	WAR		9	INLET	510XP
		2.74	87	P26	TWD	35	002 +0.00	002	002	WAR		9	INLET	510XP
		1.85	83	P17	TWD	27	002 -0.23	002	002	WAR		9	INLET	510XP
		0.22	136	P2	TWD	17	001 +0.00	LTE	UTE	WAR		10	INLET	510XB
		0.60	130	P2	TWD	33	001 +0.44	LTE	UTE	WAR		10	INLET	510XB
		0.23	136	P2	TWD	18	004 -0.31	LTE	UTE	WAR		10	INLET	510XB
		0.41	130	P2	TWD	27	004 +0.39	LTE	UTE	WAR		10	INLET	510XB
		0.28	133	P2	TWD	21	008 -0.31	LTE	UTE	WAR		10	INLET	510XB
		0.08	136	P2	TWD	7	009 -0.34	LTE	UTE	WAR		10	INLET	510XB
		0.26	139	P2	TWD	20	009 +0.62	LTE	UTE	WAR		10	INLET	510XB
		0.34	141	P2	TWD	24	010 +0.68	LTE	UTE	WAR		10	INLET	510XB
		0.35	135	P2	TWD	24	011 -0.31	LTE	UTE	WAR		10	INLET	510XB
		0.07	154	P2	TWD	7	011 +0.39	LTE	UTE	WAR		10	INLET	510XB
		0.26	139	P2	TWD	20	012 -0.31	LTE	UTE	WAR		10	INLET	510XB
		0.38	136	P2	TWD	26	007 +0.00	LTE	UTE	WAR		10	INLET	510XB
		1.32	132	P2	TWD	46	002 +0.00	LTE	UTE	WAR	LAR	10	INLET	510XB
		0.65	138	P2	TWD	35	003 -0.08	LTE	UTE	WAR		10	INLET	510XB
		0.36	132	P2	TWD	25	005 +0.21	LTE	UTE	WAR		10	INLET	510XB
		0.33	140	P2	TWD	24	006 +0.13	LTE	UTE	WAR		10	INLET	510XB
		1.55	80	P8	TWD	24	003 -0.23	003	003	WAR		9	INLET	510XP
		1.56	267	P17	TWD	24	003 +0.00	003	003	WAR		9	INLET	510XP
		1.17	90	P10	TWD	20	006 +0.00	006	006	WAR		9	INLET	510XP
		0.81	95	P28	TWD	15	006 +0.29	006	006	WAR		9	INLET	510XP
		1.09	102	P25	TWD	19	010 +0.50	010	010	WAR		9	INLET	510XP
		1.14	106	P7	TWD	19	010 +0.60	010	010	WAR		9	INLET	510XP
76	4	1.01	94	P20	VOL		012 -0.39	012	012	WAR		9	INLET	510XP
		0.29	137	P2	TWD	21	012 -0.34	LTE	UTE	WAR		10	INLET	510XB
76	5	0.19	138	P2	TWD	11	012 -0.37	LTE	UTE	WAR		6	INLET	510XB
76	7	0.14	143	P2	TWD	9	012 -0.36	LTE	UTE	WAR	6	16	INLET	510XB
76	9	0.18	150	P2	TWD	11	012 -0.39	LTE	UTE	WAR		16	INLET	510XB
76	15	0.73	131	P2	TWD	30	012 -0.52	LTE	UTE	WAR		16	INLET	510XB
		2.09	112	150	VOL		012 -0.55	012	012	WAR		15	INLET	510XP
76	16	0.20	139	P2	TWD	16	012 -0.55	LTE	UTE	WAR		18	INLET	510XB
		0.06	151	P2	TWD	5	012 +0.13	LTE	UTE	WAR	0	18	INLET	510XB
76	20	0.06	149	P2	TWD	5	009 -0.54	LTE	UTE	WAR	0	561	INLET	510UL
76	76	0.15	88	P2	TWD	13	007 -0.63	LTE	UTE	WAR	5	639	INLET	510UL
76	78	0.06	140	P2	TWD	5	008 +0.13	LTE	UTE	WAR	3	639	INLET	510UL
76	80	0.07	140	P2	TWD	6	007 +0.18	LTE	UTE	WAR	4	639	INLET	510UL
76	91	0.09	116	P2	TWD	8	007 -0.60	LTE	UTE	WAR	2	639	INLET	510UL
		0.06	135	P2	TWD	5	007 +0.21	LTE	UTE	WAR	4	639	INLET	510UL
76	93	0.11	143	P2	TWD	10	007 -0.60	LTE	UTE	WAR	3	639	INLET	510UL
76	95	0.07	128	P2	TWD	4	007 +0.18	LTE	UTE	WAR		70	INLET	510XB
76	103	0.06	145	P2	TWD	5	007 -0.59	LTE	UTE	WAR	0	635	INLET	510UL
76	114	0.07	140	P2	TWD	7	013 -0.66	LTE	UTE	WAR		92	INLET	510XB
76	129	0.05	146	P2	TWD	5	001 +0.13	LTE	UTE	WAR		98	INLET	510XB
76	130	1.41	99	126	VOL		007 -0.34	007	007	WAR		97	INLET	510XP
		0.09	143	P2	TWD	8	001 +0.44	LTE	UTE	WAR		98	INLET	510XB
		0.14	131	P2	TWD	12	006 -0.28	LTE	UTE	WAR		98	INLET	510XB
		0.39	132	P2	TWD	25	007 -0.31	LTE	UTE	WAR		98	INLET	510XB
		0.08	147	P2	TWD	7	007 +0.13	LTE	UTE	WAR		98	INLET	510XB
		0.17	133	P2	TWD	14	010 +0.70	LTE	UTE	WAR		98	INLET	510XB
76	131	0.07	134	P2	TWD	6	010 -0.23	LTE	UTE	WAR		118	INLET	510XB
		0.09	147	P2	TWD	7	011 -0.29	LTE	UTE	WAR		118	INLET	510XB
		0.11	151	P2	TWD	8	009 +0.67	LTE	UTE	WAR		118	INLET	510XB
		0.16	149	P2	TWD	12	011 +0.34	LTE	UTE	WAR	3	118	INLET	510XB
77	1	0.11	117	P2	TWD	10	003 -0.23	LTE	UTE	WAR		10	INLET	510XB
		0.13	135	P2	TWD	11	005 -0.31	LTE	UTE	WAR		10	INLET	510XB
		0.17	132	P2	TWD	14	006 -0.31	LTE	UTE	WAR		10	INLET	510XB
		0.21	138	P2	TWD	17	007 -0.26	LTE	UTE	WAR		10	INLET	510XB
		0.08	144	P2	TWD	8	007 +0.13	LTE	UTE	WAR		10	INLET	510XB
		0.53	139	P2	TWD	31	002 +0.00	LTE	UTE	WAR		10	INLET	510XB
		0.39	131	P2	TWD	26	004 -0.08	LTE	UTE	WAR		10	INLET	510XB
		1.48	84	P8	VOL		004 +0.00	004	004	WAR		9	INLET	510XP
		1.28	83	P16	TWD	21	002 -0.18	002	002	WAR		9	INLET	510XP
		0.98	77	P7	TWD	17	002 +0.00	002	002	WAR		9	INLET	510XP
77	2	1.67	115	54	VOL		011 -0.31	011	011	WAR		5	INLET	510XP
		0.19	134	P2	TWD	11	002 -0.23	LTE	UTE	WAR		6	INLET	510XB
		0.22	126	P2	TWD	13	003 -0.26	LTE	UTE	WAR		6	INLET	510XB
		0.08	132	P2	TWD	5	003 +0.44	LTE	UTE	WAR		6	INLET	510XB
		0.13	141	P2	TWD	8	004 -0.29	LTE	UTE	WAR		6	INLET	510XB
		0.33	132	P2	TWD	17	004 +0.39	LTE	UTE	WAR		6	INLET	510XB
		0.18	133	P2	TWD	11	005 +0.44	LTE	UTE	WAR		6	INLET	510XB
		0.36	133	P2	TWD	18	007 -0.29	LTE	UTE	WAR		6	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.26	137	P2	TWD	14	007	+0.13	LTE	UTE	WAR		6	INLET	510XB
		0.20	131	P2	TWD	12	008	-0.29	LTE	UTE	WAR		6	INLET	510XB
		0.67	127	P2	TWD	28	011	-0.31	LTE	UTE	WAR		6	INLET	510XB
		0.20	135	P2	TWD	12	012	+0.37	LTE	UTE	WAR		6	INLET	510XB
		0.09	128	P2	TWD	6	002	+0.13	LTE	UTE	WAR	5	6	INLET	510XB
		0.32	133	P2	TWD	17	009	+0.44	LTE	UTE	WAR		6	INLET	510XB
77	3	0.10	143	P2	TWD	10	003	-0.03	LTE	UTE	WAR		10	INLET	510XB
		0.15	137	P2	TWD	13	003	+0.41	LTE	UTE	WAR		10	INLET	510XB
		0.06	111	P2	TWD	6	006	-0.34	LTE	UTE	WAR		10	INLET	510XB
77	5	0.46	135	P2	TWD	29	010	-0.31	LTE	UTE	WAR		10	INLET	510XB
		1.54	91	P17	VOL		010	-0.29	010	010	WAR		9	INLET	510XP
77	8	1.46	85	P5	VOL		010	-0.36	010	010	WAR		101	INLET	510XP
		0.30	134	P2	TWD	20	010	-0.36	LTE	UTE	WAR		102	INLET	510XB
77	10	0.25	142	P2	TWD	17	012	-0.44	LTE	UTE	WAR	0	102	INLET	510XB
		0.12	151	P2	TWD	9	013	-0.55	LTE	UTE	WAR	0	102	INLET	510XB
77	11	0.13	144	P2	TWD	11	010	-0.42	LTE	UTE	WAR	0	104	INLET	510XB
		0.06	152	P2	TWD	6	011	+0.18	LTE	UTE	WAR	4	104	INLET	510XB
77	13	0.12	146	P2	TWD	10	010	-0.44	LTE	UTE	WAR		104	INLET	510XB
77	14	0.28	140	P2	TWD	19	012	-0.49	LTE	UTE	WAR		102	INLET	510XB
		0.12	141	P2	TWD	10	012	+0.16	LTE	UTE	WAR		102	INLET	510XB
77	17	0.15	143	P2	TWD	12	012	-0.55	LTE	UTE	WAR		104	INLET	510XB
		0.06	152	P2	TWD	6	007	-0.47	LTE	UTE	WAR	0	104	INLET	510XB
77	20	0.05	149	P2	TWD	4	012	+0.08	LTE	UTE	WAR		102	INLET	510XB
77	76	0.07	125	P2	TWD	6	007	-0.65	LTE	UTE	WAR	5	629	INLET	510UL
77	110	0.14	63	P2	TWD	11	012	-0.55	LTE	UTE	WAR	10	553	INLET	510UL
77	115	0.13	140	P2	TWD	10	012	-0.57	LTE	UTE	WAR		130	INLET	510XB
77	117	0.11	125	P2	TWD	9	011	-0.57	LTE	UTE	WAR		130	INLET	510XB
77	118	0.12	141	P2	TWD	9	012	-0.55	LTE	UTE	WAR		128	INLET	510XB
77	119	0.14	145	P2	TWD	12	012	-0.49	LTE	UTE	WAR		130	INLET	510XB
77	126	0.07	139	P2	TWD	5	010	-0.36	LTE	UTE	WAR		128	INLET	510XB
77	131	0.10	141	P2	TWD	8	011	-0.31	LTE	UTE	WAR		118	INLET	510XB
77	132	0.13	139	P2	TWD	10	010	-0.26	LTE	UTE	WAR		118	INLET	510XB
		0.07	131	P2	TWD	6	006	-0.31	LTE	UTE	WAR	3	118	INLET	510XB
78	1	0.16	138	P2	TWD	14	003	-0.23	LTE	UTE	WAR		10	INLET	510XB
		0.15	139	P2	TWD	13	004	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.12	138	P2	TWD	11	007	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.28	126	P2	TWD	21	010	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.10	140	P2	TWD	9	010	+0.71	LTE	UTE	WAR		10	INLET	510XB
		0.13	141	P2	TWD	12	012	-0.05	LTE	UTE	WAR		10	INLET	510XB
		0.69	132	P2	TWD	36	012	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.16	134	P2	TWD	14	013	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.08	139	P2	TWD	7	004	-0.11	LTE	UTE	WAR		10	INLET	510XB
		0.14	146	P2	TWD	12	011	-0.31	LTE	UTE	WAR	5	10	INLET	510XB
		2.98	87	P10	VOL		012	+0.39	012	012	WAR		9	INLET	510XP
		0.75	72	P16	VOL		010	-0.31	010	010	WAR		9	INLET	510XP
78	2	0.08	141	P2	TWD	7	003	-0.23	LTE	UTE	WAR		10	INLET	510XB
78	3	1.44	123	82	VOL		012	-0.39	012	012	WAR		5	INLET	510XP
		0.09	135	P2	TWD	6	004	+0.36	LTE	UTE	WAR		6	INLET	510XB
		0.14	136	P2	TWD	9	011	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.42	136	P2	TWD	21	012	-0.31	LTE	UTE	WAR		6	INLET	510XB
78	4	0.23	138	P2	TWD	18	012	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.09	150	P2	TWD	9	012	+0.34	LTE	UTE	WAR		10	INLET	510XB
78	5	0.21	138	P2	TWD	12	012	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.11	146	P2	TWD	7	013	+0.31	LTE	UTE	WAR		6	INLET	510XB
78	7	0.17	144	P2	TWD	13	012	+0.26	LTE	UTE	WAR		102	INLET	510XB
78	10	1.54	121	P5	VOL		010	-0.42	010	010	WAR		103	INLET	510XP
		0.29	139	P2	TWD	21	010	-0.42	LTE	UTE	WAR		104	INLET	510XB
78	11	0.16	139	P2	TWD	12	010	-0.41	LTE	UTE	WAR		102	INLET	510XB
		0.13	147	P2	TWD	10	012	-0.47	LTE	UTE	WAR		102	INLET	510XB
		0.08	137	P2	TWD	7	013	-0.52	LTE	UTE	WAR	0	102	INLET	510XB
		0.07	139	P2	TWD	6	013	+0.21	LTE	UTE	WAR	0	102	INLET	510XB
78	15	0.08	118	P2	TWD	6	007	-0.41	LTE	UTE	WAR		102	INLET	510XB
		0.25	136	P2	TWD	17	012	+0.16	LTE	UTE	WAR		102	INLET	510XB
		0.12	136	P2	TWD	9	011	-0.52	LTE	UTE	WAR	3	102	INLET	510XB
78	18	0.07	149	P2	TWD	6	010	-0.55	LTE	UTE	WAR		104	INLET	510XB
78	23	0.07	154	P2	TWD	6	012	+0.00	LTE	UTE	WAR	0	503	INLET	510UL
78	78	0.09	84	P2	TWD	8	007	-0.60	LTE	UTE	WAR		140	INLET	510XB
		0.10	131	P2	TWD	9	008	-0.60	LTE	UTE	WAR		140	INLET	510XB
78	92	0.08	152	P2	TWD	7	007	-0.52	LTE	UTE	WAR		140	INLET	510XB
78	116	1.42	115	74	VOL		014	+0.13	014	014	WAR		129	INLET	510XP
		0.21	134	P2	TWD	16	014	-0.60	LTE	UTE	WAR		130	INLET	510XB
		0.40	139	P2	TWD	25	014	+0.13	LTE	UTE	WAR		130	INLET	510XB
78	118	0.21	144	P2	TWD	16	013	+0.16	LTE	UTE	WAR		130	INLET	510XB
		0.17	129	P2	TWD	13	013	-0.60	LTE	UTE	WAR	4	130	INLET	510XB
78	127	0.07	135	P2	TWD	6	006	-0.33	LTE	UTE	WAR	0	114	INLET	510XB
78	131	0.08	142	P2	TWD	6	006	-0.31	LTE	UTE	WAR		118	INLET	510XB
		0.09	151	P2	TWD	7	011	+0.37	LTE	UTE	WAR		118	INLET	510XB
		0.06	149	P2	TWD	5	007	-0.34	LTE	UTE	WAR	4	118	INLET	510XB
79	1	0.13	150	P2	TWD	11	009	+0.65	LTE	UTE	WAR		10	INLET	510XB
		0.14	133	P2	TWD	12	011	-0.29	LTE	UTE	WAR		10	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.28	140	P2	TWD	21	012	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.14	125	P2	TWD	12	007	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.15	136	P2	TWD	13	003	-0.23	LTE	UTE	WAR		10	INLET	510XB
		0.21	131	P2	TWD	17	004	-0.28	LTE	UTE	WAR		10	INLET	510XB
		0.09	140	P2	TWD	9	006	-0.28	LTE	UTE	WAR		10	INLET	510XB
		0.09	138	P2	TWD	9	006	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.07	153	P2	TWD	7	007	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.77	79	P19	VOL		012	-0.34	012	012	WAR		9	INLET	510XP
79	2	0.09	130	P2	TWD	6	002	-0.26	LTE	UTE	WAR		6	INLET	510XB
		0.09	140	P2	TWD	6	002	+0.41	LTE	UTE	WAR		6	INLET	510XB
		0.12	129	P2	TWD	7	003	-0.23	LTE	UTE	WAR		6	INLET	510XB
		0.09	138	P2	TWD	6	007	-0.29	LTE	UTE	WAR		6	INLET	510XB
79	3	0.08	128	P2	TWD	8	004	+0.36	LTE	UTE	WAR		10	INLET	510XB
79	4	0.28	135	P2	TWD	16	012	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.16	145	P2	TWD	10	013	-0.37	LTE	UTE	WAR		6	INLET	510XB
		0.08	108	P2	TWD	5	004	-0.29	LTE	UTE	WAR		6	INLET	510XB
79	5	0.26	139	P2	TWD	20	012	-0.37	LTE	UTE	WAR		10	INLET	510XB
		0.69	95	P20	VOL		012	-0.37	012	012	WAR		9	INLET	510XP
79	6	1.62	118	82	VOL		012	-0.42	012	012	WAR		5	INLET	510XP
		0.64	130	P2	TWD	27	012	-0.37	LTE	UTE	WAR		6	INLET	510XB
		0.13	138	P2	TWD	8	012	+0.03	LTE	UTE	WAR	0	6	INLET	510XB
		0.10	148	P2	TWD	7	013	+0.34	LTE	UTE	WAR	4	6	INLET	510XB
		0.09	144	P2	TWD	6	014	-0.39	LTE	UTE	WAR		6	INLET	510XB
79	7	0.08	137	P2	TWD	7	013	+0.24	LTE	UTE	WAR	6	104	INLET	510XB
		0.13	152	P2	TWD	11	012	+0.29	LTE	UTE	WAR	0	104	INLET	510XB
79	9	0.10	147	P2	TWD	9	012	-0.42	LTE	UTE	WAR	0	104	INLET	510XB
79	10	1.73	87	P5	VOL		010	-0.39	010	010	WAR		101	INLET	510XP
		0.09	138	P2	TWD	7	007	+0.26	LTE	UTE	WAR		102	INLET	510XB
		0.38	134	P2	TWD	24	010	-0.39	LTE	UTE	WAR		102	INLET	510XB
79	12	0.08	144	P2	TWD	7	010	-0.44	LTE	UTE	WAR		102	INLET	510XB
79	13	0.08	158	P2	TWD	7	012	+0.18	LTE	UTE	WAR	5	104	INLET	510XB
		0.15	138	P2	TWD	12	013	-0.55	LTE	UTE	WAR	7	104	INLET	510XB
		0.07	144	P2	TWD	6	014	-0.55	LTE	UTE	WAR	5	104	INLET	510XB
79	14	0.27	131	P2	TWD	18	013	-0.60	LTE	UTE	WAR		102	INLET	510XB
79	15	0.09	157	P2	TWD	8	011	-0.50	LTE	UTE	WAR	5	104	INLET	510XB
		0.07	144	P2	TWD	7	011	+0.11	LTE	UTE	WAR	1	104	INLET	510XB
79	16	1.94	78	P10	VOL		012	-0.57	012	012	WAR		101	INLET	510XP
		0.45	130	P2	TWD	26	012	-0.57	LTE	UTE	WAR		102	INLET	510XB
79	22	0.08	143	P2	TWD	6	012	+0.08	LTE	UTE	WAR		102	INLET	510XB
79	97	0.06	108	P2	TWD	6	007	+0.21	LTE	UTE	WAR		140	INLET	510XB
		0.06	141	P2	TWD	5	007	-0.52	LTE	UTE	WAR	0	140	INLET	510XB
79	115	0.06	150	P2	TWD	5	006	+0.23	LTE	UTE	WAR		130	INLET	510XB
79	117	0.14	119	P2	TWD	11	010	+0.18	LTE	UTE	WAR		130	INLET	510XB
79	118	0.10	141	P2	TWD	8	012	-0.55	LTE	UTE	WAR		128	INLET	510XB
79	119	0.12	127	P2	TWD	10	013	-0.57	LTE	UTE	WAR		130	INLET	510XB
79	130	0.06	138	P2	TWD	5	008	-0.41	LTE	UTE	WAR	2	114	INLET	510XB
79	131	0.17	134	P2	TWD	13	002	-0.18	LTE	UTE	WAR		116	INLET	510XB
		0.06	128	P2	TWD	5	005	+0.36	LTE	UTE	WAR		116	INLET	510XB
		0.05	94	P2	TWD	4	009	-0.41	LTE	UTE	WAR		116	INLET	510XB
79	132	0.11	145	P2	TWD	9	006	-0.23	LTE	UTE	WAR		138	INLET	510XB
		0.06	153	P2	TWD	5	008	+0.41	LTE	UTE	WAR		138	INLET	510XB
		0.25	138	P2	TWD	17	011	-0.31	LTE	UTE	WAR		138	INLET	510XB
		0.17	144	P2	TWD	12	011	+0.39	LTE	UTE	WAR		138	INLET	510XB
		0.11	153	P2	TWD	9	001	-0.21	LTE	UTE	WAR	6	138	INLET	510XB
		0.21	132	P2	TWD	15	002	-0.05	LTE	UTE	WAR	8	138	INLET	510XB
80	1	0.12	116	P2	TWD	11	004	-0.39	LTE	UTE	WAR		10	INLET	510XB
		0.09	130	P2	TWD	8	007	+0.37	LTE	UTE	WAR		10	INLET	510XB
80	3	0.98	111	110	VOL		012	+0.37	012	012	WAR		5	INLET	510XP
		0.14	136	P2	TWD	9	010	-0.31	LTE	UTE	WAR		6	INLET	510XB
		0.14	131	P2	TWD	9	011	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.40	133	P2	TWD	20	012	+0.37	LTE	UTE	WAR		6	INLET	510XB
80	5	0.22	142	P2	TWD	13	012	-0.37	LTE	UTE	WAR		6	INLET	510XB
		0.12	148	P2	TWD	8	013	-0.39	LTE	UTE	WAR		6	INLET	510XB
		0.22	141	P2	TWD	13	014	-0.37	LTE	UTE	WAR		6	INLET	510XB
80	7	1.32	80	P6	VOL		010	-0.36	010	010	WAR		101	INLET	510XP
		0.33	133	P2	TWD	21	010	-0.36	LTE	UTE	WAR		102	INLET	510XB
80	8	0.15	146	P2	TWD	12	012	+0.26	LTE	UTE	WAR		104	INLET	510XB
80	10	1.97	107	P6	VOL		010	-0.39	010	010	WAR		103	INLET	510XP
		0.42	135	P2	TWD	26	010	-0.39	LTE	UTE	WAR		104	INLET	510XB
		0.07	146	P2	TWD	6	007	-0.42	LTE	UTE	WAR	2	104	INLET	510XB
80	11	1.63	80	P6	VOL		010	-0.41	010	010	WAR		101	INLET	510XP
		0.38	134	P2	TWD	24	010	-0.41	LTE	UTE	WAR		102	INLET	510XB
80	12	0.12	148	P2	TWD	10	010	-0.42	LTE	UTE	WAR	8	104	INLET	510XB
80	13	0.09	144	P2	TWD	7	012	+0.18	LTE	UTE	WAR		102	INLET	510XB
		0.10	135	P2	TWD	8	012	-0.52	LTE	UTE	WAR	0	102	INLET	510XB
80	14	0.06	150	P2	TWD	6	011	-0.47	LTE	UTE	WAR	4	104	INLET	510XB
		0.08	148	P2	TWD	7	013	+0.18	LTE	UTE	WAR	4	104	INLET	510XB
80	16	0.09	150	P2	TWD	8	010	-0.52	LTE	UTE	WAR	4	104	INLET	510XB
80	17	0.14	128	P2	TWD	11	012	+0.13	LTE	UTE	WAR		102	INLET	510XB
		0.18	136	P2	TWD	13	014	-0.62	LTE	UTE	WAR		102	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
80	18	0.09	148	P2	TWD	8	010	-0.50	LTE	UTE	WAR	5	104	INLET	510XB
		0.05	143	P2	TWD	5	007	-0.49	LTE	UTE	WAR	3	104	INLET	510XB
80	68	0.16	127	P2	TWD	10	007	-0.63	LTE	UTE	WAR		162	INLET	510XB
80	88	0.07	131	P2	TWD	6	007	+0.21	LTE	UTE	WAR		140	INLET	510XB
80	112	0.09	144	P2	TWD	6	009	-0.47	LTE	UTE	WAR	5	555	INLET	510UL
80	123	0.04	157	P2	TWD	3	011	+0.24	LTE	UTE	WAR		128	INLET	510XB
80	127	0.07	157	P2	TWD	6	013	-0.47	LTE	UTE	WAR	3	114	INLET	510XB
80	130	0.05	142	P2	TWD	5	001	+0.15	LTE	UTE	WAR		116	INLET	510XB
80	131	0.11	136	P2	TWD	8	006	-0.28	LTE	UTE	WAR	4	118	INLET	510XB
81	2	0.13	143	P2	TWD	8	012	+0.39	LTE	UTE	WAR		6	INLET	510XB
81	3	0.26	138	P2	TWD	20	012	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.81	83	P20	VOL		012	-0.34	012	012	WAR		9	INLET	510XP
81	4	0.25	133	P2	TWD	14	012	-0.34	LTE	UTE	WAR		6	INLET	510XB
81	5	0.11	144	P2	TWD	10	012	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.06	153	P2	TWD	6	012	+0.36	LTE	UTE	WAR		10	INLET	510XB
81	7	1.91	114	P6	VOL		010	-0.36	010	010	WAR		103	INLET	510XP
		0.33	138	P2	TWD	23	010	-0.36	LTE	UTE	WAR		104	INLET	510XB
81	8	2.27	79	P6	VOL		010	-0.39	010	010	WAR		101	INLET	510XP
		0.59	128	P2	TWD	32	010	-0.39	LTE	UTE	WAR		102	INLET	510XB
		0.21	143	P2	TWD	15	012	-0.39	LTE	UTE	WAR		102	INLET	510XB
81	10	0.22	141	P2	TWD	16	012	-0.44	LTE	UTE	WAR		102	INLET	510XB
81	13	0.07	146	P2	TWD	7	010	-0.47	LTE	UTE	WAR	1	104	INLET	510XB
81	14	0.13	142	P2	TWD	10	014	-0.57	LTE	UTE	WAR		102	INLET	510XB
81	17	0.09	148	P2	TWD	8	010	-0.49	LTE	UTE	WAR		104	INLET	510XB
		0.05	141	P2	TWD	5	007	-0.49	LTE	UTE	WAR	3	104	INLET	510XB
		0.06	146	P2	TWD	5	011	+0.11	LTE	UTE	WAR	3	104	INLET	510XB
81	112	0.09	150	P2	TWD	7	007	-0.52	LTE	UTE	WAR		128	INLET	510XB
81	118	0.12	140	P2	TWD	9	009	-0.44	LTE	UTE	WAR		128	INLET	510XB
81	119	0.09	151	P2	TWD	7	012	-0.49	LTE	UTE	WAR		130	INLET	510XB
81	121	0.10	149	P2	TWD	8	012	-0.50	LTE	UTE	WAR		130	INLET	510XB
81	124	0.09	148	P2	TWD	7	013	-0.55	LTE	UTE	WAR		128	INLET	510XB
81	125	0.07	135	P2	TWD	6	011	+0.26	LTE	UTE	WAR	4	130	INLET	510XB
81	128	0.35	134	P2	TWD	23	013	-0.44	LTE	UTE	WAR		114	INLET	510XB
		1.60	113	86	VOL		013	-0.44	013	013	WAR		113	INLET	510XP
81	130	0.08	142	P2	TWD	6	011	-0.34	LTE	UTE	WAR	4	114	INLET	510XB
81	131	0.12	138	P2	TWD	10	002	-0.21	LTE	UTE	WAR		116	INLET	510XB
81	132	0.15	146	P2	TWD	11	011	+0.39	LTE	UTE	WAR		118	INLET	510XB
		0.07	145	P2	TWD	5	006	-0.28	LTE	UTE	WAR	4	118	INLET	510XB
82	1	0.33	135	P2	TWD	24	012	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.96	83	P22	VOL		012	-0.29	012	012	WAR		9	INLET	510XP
82	2	0.12	142	P2	TWD	11	013	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.09	147	P2	TWD	8	009	+0.70	LTE	UTE	WAR		10	INLET	510XB
		0.19	132	P2	TWD	16	012	-0.32	LTE	UTE	WAR	0	10	INLET	510XB
82	3	0.10	138	P2	TWD	6	013	-0.37	LTE	UTE	WAR	0	6	INLET	510XB
82	4	0.24	139	P2	TWD	19	012	-0.34	LTE	UTE	WAR		10	INLET	510XB
82	5	0.23	142	P2	TWD	13	012	-0.37	LTE	UTE	WAR		6	INLET	510XB
82	8	0.46	132	P2	TWD	27	010	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.11	146	P2	TWD	9	014	-0.42	LTE	UTE	WAR		96	INLET	510XB
		1.59	85	P4	VOL		010	-0.39	010	010	WAR		95	INLET	510XP
82	12	0.08	153	P2	TWD	7	012	-0.50	LTE	UTE	WAR	0	104	INLET	510XB
82	15	0.12	136	P2	TWD	10	012	-0.52	LTE	UTE	WAR	2	102	INLET	510XB
82	18	0.08	143	P2	TWD	7	010	-0.52	LTE	UTE	WAR		104	INLET	510XB
82	31	0.06	143	P2	TWD	5	011	-0.03	LTE	UTE	WAR		102	INLET	510XB
82	75	0.05	131	P2	TWD	5	008	+0.16	LTE	UTE	WAR	3	629	INLET	510UL
82	103	0.08	146	P2	TWD	6	007	+0.13	LTE	UTE	WAR	5	553	INLET	510UL
82	111	0.07	129	P2	TWD	5	007	-0.52	LTE	UTE	WAR		128	INLET	510XB
82	113	0.17	132	P2	TWD	12	011	-0.63	LTE	UTE	WAR		128	INLET	510XB
82	114	0.11	129	P2	TWD	9	012	-0.60	LTE	UTE	WAR		130	INLET	510XB
82	131	0.23	145	P2	TWD	16	011	+0.42	LTE	UTE	WAR		118	INLET	510XB
83	1	0.46	135	P2	TWD	29	012	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.13	147	P2	TWD	11	012	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.41	129	P2	TWD	27	013	-0.31	LTE	UTE	WAR		10	INLET	510XB
		1.27	88	P22	VOL		013	-0.31	013	013	WAR		9	INLET	510XP
		1.32	92	P22	VOL		012	-0.29	012	012	WAR		9	INLET	510XP
83	2	0.30	130	P2	TWD	16	011	-0.31	LTE	UTE	WAR		6	INLET	510XB
		0.32	135	P2	TWD	17	012	-0.31	LTE	UTE	WAR		6	INLET	510XB
83	5	0.09	138	P2	TWD	9	012	-0.37	LTE	UTE	WAR		10	INLET	510XB
		0.13	149	P2	TWD	11	013	-0.39	LTE	UTE	WAR		10	INLET	510XB
83	6	0.15	146	P2	TWD	9	013	-0.42	LTE	UTE	WAR		6	INLET	510XB
		0.31	135	P2	TWD	17	012	-0.39	LTE	UTE	WAR	3	6	INLET	510XB
83	7	0.38	137	P2	TWD	24	010	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.24	143	P2	TWD	17	012	-0.37	LTE	UTE	WAR		96	INLET	510XB
		1.57	86	P3	VOL		010	-0.39	010	010	WAR		95	INLET	510XP
83	8	3.51	75	P2	VOL		010	-0.36	010	010	WAR		93	INLET	510XP
		0.66	128	P2	TWD	33	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
83	10	2.69	77	P1	VOL		010	-0.39	010	010	WAR		93	INLET	510XP
		0.08	130	P2	TWD	6	004	-0.31	LTE	UTE	WAR		94	INLET	510XB
		0.48	130	P2	TWD	28	010	-0.39	LTE	UTE	WAR		94	INLET	510XB
		0.13	150	P2	TWD	10	012	-0.42	LTE	UTE	WAR		94	INLET	510XB
		0.10	144	P2	TWD	8	011	+0.23	LTE	UTE	WAR	6	94	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
83	11	0.10	154	P2	TWD	8	012	+0.21	LTE	UTE	WAR		96	INLET	510XB
		0.18	148	P2	TWD	14	014	-0.55	LTE	UTE	WAR		96	INLET	510XB
83	15	0.17	144	P2	TWD	13	012	-0.53	LTE	UTE	WAR		96	INLET	510XB
		0.10	135	P2	TWD	8	012	+0.13	LTE	UTE	WAR		96	INLET	510XB
83	20	0.12	130	P2	TWD	10	010	-0.52	LTE	UTE	WAR		94	INLET	510XB
		0.04	148	P2	TWD	4	012	+0.03	LTE	UTE	WAR		94	INLET	510XB
83	112	0.11	115	P2	TWD	8	012	-0.45	LTE	UTE	WAR		128	INLET	510XB
83	113	0.06	124	P2	TWD	5	009	+0.21	LTE	UTE	WAR		130	INLET	510XB
83	114	0.12	127	P2	TWD	10	012	-0.60	LTE	UTE	WAR		152	INLET	510XB
83	117	0.26	142	P2	TWD	18	009	+0.21	LTE	UTE	WAR		130	INLET	510XB
83	121	0.20	142	P2	TWD	15	012	-0.47	LTE	UTE	WAR		130	INLET	510XB
83	124	0.04	94	P2	TWD	4	011	+0.13	LTE	UTE	WAR		128	INLET	510XB
83	131	0.07	146	P2	TWD	6	001	+0.44	LTE	UTE	WAR		114	INLET	510XB
		0.09	140	P2	TWD	8	006	+0.36	LTE	UTE	WAR		114	INLET	510XB
		0.04	131	P2	TWD	4	006	-0.23	LTE	UTE	WAR		114	INLET	510XB
		0.06	99	P2	TWD	5	001	-0.03	LTE	UTE	WAR	4	114	INLET	510XB
84	1	0.27	142	P2	TWD	20	012	-0.32	LTE	UTE	WAR		10	INLET	510XB
		0.77	88	P23	VOL		012	-0.32	012	012	WAR		9	INLET	510XP
84	3	0.11	138	P2	TWD	7	011	-0.37	LTE	UTE	WAR	0	6	INLET	510XB
84	4	0.11	148	P2	TWD	10	011	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.17	138	P2	TWD	14	012	+0.37	LTE	UTE	WAR		10	INLET	510XB
84	5	1.31	117	58	VOL		010	-0.36	010	010	WAR		5	INLET	510XP
		0.44	128	P2	TWD	21	010	-0.34	LTE	UTE	WAR		6	INLET	510XB
84	7	1.28	82	P12	VOL		012	-0.36	012	012	WAR		93	INLET	510XP
		0.32	135	P2	TWD	21	012	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.04	139	P2	TWD	3	007	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.11	144	P2	TWD	9	014	-0.44	LTE	UTE	WAR	0	94	INLET	510XB
84	9	0.10	148	P2	TWD	8	012	-0.42	LTE	UTE	WAR		94	INLET	510XB
		0.11	151	P2	TWD	8	013	-0.47	LTE	UTE	WAR		94	INLET	510XB
		0.06	153	P2	TWD	5	014	-0.47	LTE	UTE	WAR	2	94	INLET	510XB
84	13	0.06	144	P2	TWD	5	010	-0.47	LTE	UTE	WAR	0	94	INLET	510XB
		0.07	156	P2	TWD	6	011	-0.44	LTE	UTE	WAR	0	94	INLET	510XB
		0.07	143	P2	TWD	6	013	-0.54	LTE	UTE	WAR	0	94	INLET	510XB
84	18	0.09	153	P2	TWD	8	010	-0.52	LTE	UTE	WAR		96	INLET	510XB
84	30	0.08	143	P2	TWD	7	011	-0.05	LTE	UTE	WAR		94	INLET	510XB
84	70	0.09	129	P2	TWD	6	007	-0.66	LTE	UTE	WAR		162	INLET	510XB
84	87	0.13	128	P2	TWD	9	007	-0.60	LTE	UTE	WAR	4	559	INLET	510UL
84	90	0.06	145	P2	TWD	6	006	+0.18	LTE	UTE	WAR		140	INLET	510XB
		0.06	127	P2	TWD	5	007	-0.57	LTE	UTE	WAR	2	140	INLET	510XB
84	111	0.07	151	P2	TWD	6	009	-0.47	LTE	UTE	WAR	0	553	INLET	510UL
84	116	0.24	145	P2	TWD	17	010	+0.16	LTE	UTE	WAR		152	INLET	510XB
		0.10	145	P2	TWD	8	013	+0.10	LTE	UTE	WAR		152	INLET	510XB
84	118	0.14	148	P2	TWD	12	010	+0.60	LTE	UTE	WAR	4	130	INLET	510XB
		0.07	146	P2	TWD	6	011	+0.13	LTE	UTE	WAR	4	130	INLET	510XB
84	123	0.13	139	P2	TWD	10	010	-0.42	LTE	UTE	WAR		128	INLET	510XB
		0.09	147	P2	TWD	7	012	-0.42	LTE	UTE	WAR		128	INLET	510XB
		0.16	145	P2	TWD	12	013	-0.52	LTE	UTE	WAR		128	INLET	510XB
84	131	0.23	138	P2	TWD	16	007	-0.31	LTE	UTE	WAR		118	INLET	510XB
		0.17	142	P2	TWD	13	007	+0.03	LTE	UTE	WAR		118	INLET	510XB
		0.16	147	P2	TWD	12	011	+0.36	LTE	UTE	WAR		118	INLET	510XB
		0.12	145	P2	TWD	9	009	+0.65	LTE	UTE	WAR		118	INLET	510XB
		0.08	112	P2	TWD	6	008	-0.21	LTE	UTE	WAR	5	118	INLET	510XB
85	1	0.14	142	P2	TWD	13	011	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.25	137	P2	TWD	19	012	-0.29	LTE	UTE	WAR		10	INLET	510XB
85	2	0.13	137	P2	TWD	11	013	-0.34	LTE	UTE	WAR		10	INLET	510XB
85	3	0.21	137	P2	TWD	12	012	-0.31	LTE	UTE	WAR		6	INLET	510XB
85	4	0.12	130	P2	TWD	11	010	-0.29	LTE	UTE	WAR	5	10	INLET	510XB
85	5	0.34	133	P2	TWD	18	010	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.11	140	P2	TWD	7	012	+0.34	LTE	UTE	WAR		6	INLET	510XB
85	7	0.11	155	P2	TWD	9	013	-0.47	LTE	UTE	WAR		94	INLET	510XB
85	11	0.09	138	P2	TWD	7	012	+0.23	LTE	UTE	WAR	5	94	INLET	510XB
85	18	0.15	125	P2	TWD	12	012	-0.58	LTE	UTE	WAR		96	INLET	510XB
		0.09	144	P2	TWD	8	011	+0.10	LTE	UTE	WAR	0	96	INLET	510XB
85	19	0.08	129	P2	TWD	7	012	-0.57	LTE	UTE	WAR	0	94	INLET	510XB
85	21	0.10	109	P2	TWD	8	012	-0.62	LTE	UTE	WAR		94	INLET	510XB
85	46	0.11	131	P2	TWD	8	009	-0.62	LTE	UTE	WAR	4	531	INLET	510UL
85	112	0.10	137	P2	TWD	8	011	-0.63	LTE	UTE	WAR		128	INLET	510XB
85	113	0.15	129	P2	TWD	12	009	-0.44	LTE	UTE	WAR		152	INLET	510XB
85	116	0.10	126	P2	TWD	8	012	-0.55	LTE	UTE	WAR		128	INLET	510XB
85	120	0.08	145	P2	TWD	6	012	-0.50	LTE	UTE	WAR		128	INLET	510XB
85	121	0.09	143	P2	TWD	8	011	+0.18	LTE	UTE	WAR	4	130	INLET	510XB
85	123	0.09	146	P2	TWD	8	011	+0.26	LTE	UTE	WAR		130	INLET	510XB
85	129	0.15	107	P2	TWD	12	010	+0.68	LTE	UTE	WAR		114	INLET	510XB
85	130	0.15	138	P2	TWD	12	011	-0.31	LTE	UTE	WAR		116	INLET	510XB
		0.10	130	P2	TWD	8	006	-0.28	LTE	UTE	WAR	4	116	INLET	510XB
86	3	0.20	129	P2	TWD	12	012	-0.31	LTE	UTE	WAR		6	INLET	510XB
86	4	0.28	137	P2	TWD	21	012	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.98	91	P23	VOL		012	-0.37	012	012	WAR		9	INLET	510XP
86	5	0.23	131	P2	TWD	13	010	-0.34	LTE	UTE	WAR		6	INLET	510XB
86	6	0.31	137	P2	TWD	21	010	-0.36	LTE	UTE	WAR		96	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		1.05	94	P5	VOL		010	-0.36	010	010	WAR		95	INLET	510XP
86	7	0.07	139	P2	TWD	5	007	-0.39	LTE	UTE	WAR		94	INLET	510XB
		0.14	140	P2	TWD	11	010	-0.34	LTE	UTE	WAR		94	INLET	510XB
		0.08	141	P2	TWD	7	012	+0.31	LTE	UTE	WAR		94	INLET	510XB
		0.22	139	P2	TWD	16	012	-0.42	LTE	UTE	WAR	0	94	INLET	510XB
86	8	0.15	144	P2	TWD	12	012	-0.42	LTE	UTE	WAR		96	INLET	510XB
86	10	0.16	151	P2	TWD	12	012	+0.21	LTE	UTE	WAR	7	96	INLET	510XB
86	13	0.14	140	P2	TWD	11	012	+0.18	LTE	UTE	WAR		94	INLET	510XB
		0.12	150	P2	TWD	10	011	-0.47	LTE	UTE	WAR	0	94	INLET	510XB
86	14	0.09	149	P2	TWD	8	010	-0.49	LTE	UTE	WAR		96	INLET	510XB
86	21	0.09	154	P2	TWD	7	011	+0.05	LTE	UTE	WAR	5	501	INLET	510UL
86	78	0.05	131	P2	TWD	5	008	+0.21	LTE	UTE	WAR	3	140	INLET	510XB
86	94	0.06	135	P2	TWD	6	007	+0.18	LTE	UTE	WAR		140	INLET	510XB
86	97	0.06	123	P2	TWD	5	007	+0.10	LTE	UTE	WAR		140	INLET	510XB
86	103	0.06	138	P2	TWD	5	009	-0.54	LTE	UTE	WAR	0	553	INLET	510UL
86	110	0.14	119	P2	TWD	9	011	-0.62	LTE	UTE	WAR	5	555	INLET	510UL
86	113	0.16	123	P2	TWD	12	012	-0.60	LTE	UTE	WAR		152	INLET	510XB
86	114	0.09	157	P2	TWD	7	009	+0.21	LTE	UTE	WAR	4	154	INLET	510XB
86	116	0.07	151	P2	TWD	6	006	-0.39	LTE	UTE	WAR		152	INLET	510XB
		0.16	137	P2	TWD	12	012	-0.57	LTE	UTE	WAR		152	INLET	510XB
86	119	0.09	153	P2	TWD	7	011	-0.52	LTE	UTE	WAR	4	128	INLET	510XB
86	126	0.10	150	P2	TWD	8	012	-0.36	LTE	UTE	WAR		130	INLET	510XB
86	130	0.07	147	P2	TWD	6	011	+0.37	LTE	UTE	WAR		116	INLET	510XB
86	131	0.11	153	P2	TWD	9	011	+0.36	LTE	UTE	WAR		118	INLET	510XB
87	1	0.13	137	P2	TWD	11	012	-0.31	LTE	UTE	WAR	5	10	INLET	510XB
87	2	0.16	143	P2	TWD	14	010	-0.29	LTE	UTE	WAR	5	10	INLET	510XB
87	3	0.33	137	P2	TWD	18	012	-0.31	LTE	UTE	WAR		6	INLET	510XB
		0.15	138	P2	TWD	9	013	-0.37	LTE	UTE	WAR		6	INLET	510XB
		0.10	142	P2	TWD	6	014	-0.37	LTE	UTE	WAR		6	INLET	510XB
87	4	0.43	130	P2	TWD	28	010	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.18	141	P2	TWD	15	012	-0.31	LTE	UTE	WAR		10	INLET	510XB
		1.59	85	P27	VOL		010	-0.34	010	010	WAR		9	INLET	510XP
87	5	0.26	135	P2	TWD	15	010	-0.31	LTE	UTE	WAR		6	INLET	510XB
		0.23	132	P2	TWD	13	013	-0.39	LTE	UTE	WAR		6	INLET	510XB
87	6	0.21	140	P2	TWD	15	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
87	7	0.07	143	P2	TWD	6	012	-0.42	LTE	UTE	WAR		96	INLET	510XB
		0.33	139	P2	TWD	21	013	-0.44	LTE	UTE	WAR		96	INLET	510XB
		0.30	140	P2	TWD	20	014	-0.42	LTE	UTE	WAR		96	INLET	510XB
		1.56	91	P16	VOL		013	-0.44	013	013	WAR		95	INLET	510XP
		1.50	84	P20	VOL		014	-0.45	014	014	WAR		95	INLET	510XP
87	8	0.07	149	P2	TWD	6	011	-0.44	LTE	UTE	WAR	0	94	INLET	510XB
87	10	0.24	142	P2	TWD	17	014	-0.49	LTE	UTE	WAR		94	INLET	510XB
87	11	0.06	156	P2	TWD	5	010	-0.42	LTE	UTE	WAR		96	INLET	510XB
87	12	0.07	147	P2	TWD	6	010	-0.47	LTE	UTE	WAR		94	INLET	510XB
87	14	0.16	136	P2	TWD	12	012	-0.52	LTE	UTE	WAR		94	INLET	510XB
87	16	0.07	127	P2	TWD	6	010	-0.54	LTE	UTE	WAR	4	94	INLET	510XB
87	19	0.14	143	P2	TWD	11	012	+0.08	LTE	UTE	WAR		96	INLET	510XB
87	20	0.10	143	P2	TWD	8	011	+0.05	LTE	UTE	WAR		94	INLET	510XB
		0.08	137	P2	TWD	7	012	+0.10	LTE	UTE	WAR		94	INLET	510XB
87	106	0.09	144	P2	TWD	6	010	+0.08	LTE	UTE	WAR	0	555	INLET	510UL
87	109	0.10	134	P2	TWD	7	011	-0.63	LTE	UTE	WAR		128	INLET	510XB
87	111	0.09	138	P2	TWD	7	009	-0.47	LTE	UTE	WAR	6	553	INLET	510UL
87	113	0.17	142	P2	TWD	12	009	-0.47	LTE	UTE	WAR		128	INLET	510XB
		0.09	139	P2	TWD	7	010	+0.03	LTE	UTE	WAR		128	INLET	510XB
		0.04	157	P2	TWD	4	011	+0.16	LTE	UTE	WAR		128	INLET	510XB
87	115	0.13	141	P2	TWD	10	012	-0.55	LTE	UTE	WAR		128	INLET	510XB
87	118	0.09	150	P2	TWD	8	011	+0.18	LTE	UTE	WAR	4	130	INLET	510XB
87	119	0.19	145	P2	TWD	14	012	-0.47	LTE	UTE	WAR		152	INLET	510XB
88	2	0.24	138	P2	TWD	19	011	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.13	142	P2	TWD	11	012	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.08	144	P2	TWD	7	012	+0.37	LTE	UTE	WAR		10	INLET	510XB
88	4	0.50	131	P2	TWD	30	010	-0.31	LTE	UTE	WAR		10	INLET	510XB
		2.04	84	P26	VOL		010	-0.29	010	010	WAR		9	INLET	510XP
88	5	0.32	129	P2	TWD	17	010	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.10	144	P2	TWD	7	014	-0.39	LTE	UTE	WAR	0	6	INLET	510XB
88	6	0.32	139	P2	TWD	21	010	-0.34	LTE	UTE	WAR		96	INLET	510XB
		0.15	146	P2	TWD	11	012	+0.31	LTE	UTE	WAR		96	INLET	510XB
		0.19	145	P2	TWD	14	012	-0.37	LTE	UTE	WAR	0	96	INLET	510XB
		1.13	83	P7	VOL		010	-0.34	010	010	WAR		95	INLET	510XP
88	7	0.24	139	P2	TWD	17	012	-0.39	LTE	UTE	WAR	0	94	INLET	510XB
88	8	0.19	151	P2	TWD	14	012	+0.26	LTE	UTE	WAR		96	INLET	510XB
		0.11	150	P2	TWD	9	012	-0.39	LTE	UTE	WAR	0	96	INLET	510XB
		0.07	150	P2	TWD	6	011	-0.34	LTE	UTE	WAR	0	96	INLET	510XB
88	9	0.12	136	P2	TWD	10	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.09	142	P2	TWD	7	011	-0.41	LTE	UTE	WAR	4	94	INLET	510XB
		0.07	143	P2	TWD	6	011	+0.26	LTE	UTE	WAR	4	94	INLET	510XB
88	10	0.12	142	P2	TWD	10	010	-0.39	LTE	UTE	WAR		96	INLET	510XB
88	11	0.09	136	P2	TWD	7	012	-0.21	LTE	UTE	WAR		94	INLET	510XB
		0.27	132	P2	TWD	19	012	+0.21	LTE	UTE	WAR		94	INLET	510XB
88	16	0.21	143	P2	TWD	15	007	-0.47	LTE	UTE	WAR		96	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
88	18	0.07	147	P2	TWD	6	012	+0.05	LTE	UTE	WAR		96	INLET	510XB
88	20	0.06	156	P2	TWD	5	012	+0.13	LTE	UTE	WAR	3	94	INLET	510XB
88	21	0.10	106	P2	TWD	7	012	-0.58	LTE	UTE	WAR	4	503	INLET	510UL
88	88	0.08	138	P2	TWD	7	011	-0.73	LTE	UTE	WAR		140	INLET	510XB
88	91	0.09	110	P2	TWD	7	009	-0.60	LTE	UTE	WAR	4	557	INLET	510UL
88	111	0.07	158	P2	TWD	6	009	-0.47	LTE	UTE	WAR		128	INLET	510XB
		0.22	142	P2	TWD	15	013	-0.71	LTE	UTE	WAR		128	INLET	510XB
		0.09	112	P2	TWD	7	012	-0.63	LTE	UTE	WAR		128	INLET	510XB
88	114	0.08	141	P2	TWD	7	010	+0.13	LTE	UTE	WAR	4	130	INLET	510XB
88	115	0.10	120	P2	TWD	9	011	-0.60	LTE	UTE	WAR		152	INLET	510XB
		0.17	146	P2	TWD	13	012	-0.55	LTE	UTE	WAR		152	INLET	510XB
88	116	0.09	147	P2	TWD	8	010	+0.16	LTE	UTE	WAR	4	130	INLET	510XB
88	117	0.18	139	P2	TWD	13	010	+0.16	LTE	UTE	WAR		152	INLET	510XB
88	119	0.13	138	P2	TWD	9	012	-0.50	LTE	UTE	WAR		128	INLET	510XB
88	120	0.07	154	P2	TWD	6	012	-0.49	LTE	UTE	WAR	3	130	INLET	510XB
88	121	0.07	124	P2	TWD	6	011	+0.21	LTE	UTE	WAR	4	152	INLET	510XB
		0.10	148	P2	TWD	8	012	-0.47	LTE	UTE	WAR	5	152	INLET	510XB
		0.06	136	P2	TWD	5	012	+0.21	LTE	UTE	WAR	4	152	INLET	510XB
88	122	0.09	137	P2	TWD	7	006	-0.34	LTE	UTE	WAR		130	INLET	510XB
88	127	0.11	133	P2	TWD	9	012	-0.34	LTE	UTE	WAR	3	114	INLET	510XB
88	130	0.10	136	P2	TWD	8	007	-0.28	LTE	UTE	WAR		116	INLET	510XB
		0.09	143	P2	TWD	8	007	+0.08	LTE	UTE	WAR		116	INLET	510XB
89	1	0.18	134	P2	TWD	15	010	-0.26	LTE	UTE	WAR		10	INLET	510XB
		0.27	135	P2	TWD	20	013	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.86	92	P23	VOL		013	-0.34	013	013	WAR		9	INLET	510XP
89	2	0.06	135	P2	TWD	6	011	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.21	135	P2	TWD	17	012	+0.39	LTE	UTE	WAR		10	INLET	510XB
		0.11	142	P2	TWD	10	013	-0.34	LTE	UTE	WAR		10	INLET	510XB
89	3	0.31	134	P2	TWD	17	010	-0.31	LTE	UTE	WAR		6	INLET	510XB
		0.09	145	P2	TWD	6	013	-0.37	LTE	UTE	WAR		6	INLET	510XB
89	4	0.58	133	P2	TWD	33	012	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.25	138	P2	TWD	19	013	-0.37	LTE	UTE	WAR		10	INLET	510XB
		1.79	87	P25	VOL		012	-0.31	012	012	WAR		9	INLET	510XP
89	5	1.85	112	58	VOL		010	-0.34	010	010	WAR		5	INLET	510XP
		0.60	128	P2	TWD	26	010	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.14	150	P2	TWD	8	012	-0.34	LTE	UTE	WAR	0	6	INLET	510XB
89	6	0.12	145	P2	TWD	10	010	-0.34	LTE	UTE	WAR	0	94	INLET	510XB
89	7	0.58	136	P2	TWD	31	012	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.06	147	P2	TWD	5	014	+0.26	LTE	UTE	WAR	0	96	INLET	510XB
		2.08	79	P12	VOL		012	-0.39	012	012	WAR		95	INLET	510XP
89	8	0.08	151	P2	TWD	7	012	+0.26	LTE	UTE	WAR		94	INLET	510XB
89	10	0.08	153	P2	TWD	7	011	-0.44	LTE	UTE	WAR		94	INLET	510XB
		0.12	133	P2	TWD	10	010	-0.39	LTE	UTE	WAR	4	94	INLET	510XB
89	11	0.07	135	P2	TWD	6	010	-0.42	LTE	UTE	WAR		96	INLET	510XB
		0.14	133	P2	TWD	11	013	-0.55	LTE	UTE	WAR		96	INLET	510XB
		0.18	137	P2	TWD	13	014	+0.21	LTE	UTE	WAR		96	INLET	510XB
89	14	0.06	144	P2	TWD	5	007	-0.41	LTE	UTE	WAR	4	94	INLET	510XB
89	41	0.07	135	P2	TWD	6	010	-0.67	LTE	UTE	WAR		114	INLET	510XB
89	67	0.06	139	P2	TWD	5	008	-0.60	LTE	UTE	WAR	0	629	INLET	510UL
89	68	0.13	123	P2	TWD	10	007	-0.65	LTE	UTE	WAR		152	INLET	510XB
89	70	0.10	122	P2	TWD	8	007	-0.65	LTE	UTE	WAR	6	629	INLET	510UL
89	81	0.12	137	P2	TWD	10	006	+0.13	LTE	UTE	WAR		140	INLET	510XB
89	82	0.08	132	P2	TWD	7	008	-0.65	LTE	UTE	WAR	4	557	INLET	510UL
89	112	0.11	139	P2	TWD	9	012	-0.59	LTE	UTE	WAR	4	132	INLET	510XB
89	113	0.10	135	P2	TWD	9	009	-0.46	LTE	UTE	WAR	5	134	INLET	510XB
89	114	0.12	138	P2	TWD	10	012	-0.56	LTE	UTE	WAR		132	INLET	510XB
89	115	0.19	140	P2	TWD	15	012	-0.54	LTE	UTE	WAR		134	INLET	510XB
89	117	0.09	153	P2	TWD	8	009	-0.44	LTE	UTE	WAR	0	134	INLET	510XB
		0.11	146	P2	TWD	10	011	-0.54	LTE	UTE	WAR	5	134	INLET	510XB
		0.06	149	P2	TWD	5	011	+0.10	LTE	UTE	WAR	3	134	INLET	510XB
89	118	0.08	158	P2	TWD	7	011	+0.20	LTE	UTE	WAR		132	INLET	510XB
89	122	0.06	140	P2	TWD	5	012	-0.44	LTE	UTE	WAR	0	132	INLET	510XB
89	123	0.09	150	P2	TWD	8	011	+0.28	LTE	UTE	WAR		134	INLET	510XB
		0.06	156	P2	TWD	5	012	-0.41	LTE	UTE	WAR		134	INLET	510XB
89	129	0.06	148	P2	TWD	5	011	+0.36	LTE	UTE	WAR		114	INLET	510XB
89	130	0.07	128	P2	TWD	6	007	-0.31	LTE	UTE	WAR		116	INLET	510XB
		0.06	147	P2	TWD	6	007	+0.10	LTE	UTE	WAR		116	INLET	510XB
90	1	0.37	134	P2	TWD	25	011	-0.29	LTE	UTE	WAR		10	INLET	510XB
		0.23	137	P2	TWD	18	012	-0.32	LTE	UTE	WAR		10	INLET	510XB
		1.28	95	P26	VOL		011	-0.29	011	011	WAR		9	INLET	510XP
90	2	0.10	127	P2	TWD	7	012	-0.31	LTE	UTE	WAR		6	INLET	510XB
		0.13	144	P2	TWD	8	013	-0.39	LTE	UTE	WAR		6	INLET	510XB
90	3	0.18	131	P2	TWD	15	010	-0.31	LTE	UTE	WAR		10	INLET	510XB
		0.13	139	P2	TWD	12	012	-0.08	LTE	UTE	WAR		10	INLET	510XB
		0.34	135	P2	TWD	24	012	+0.37	LTE	UTE	WAR		10	INLET	510XB
		1.20	94	P16	VOL		012	+0.34	012	012	WAR		9	INLET	510XP
90	4	0.18	132	P2	TWD	11	010	-0.36	LTE	UTE	WAR		6	INLET	510XB
90	5	0.42	136	P2	TWD	25	010	-0.34	LTE	UTE	WAR		96	INLET	510XB
		0.34	140	P2	TWD	22	012	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.08	157	P2	TWD	7	013	-0.44	LTE	UTE	WAR		96	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		1.60	91	P5	VOL		010	-0.34	010	010	WAR		95	INLET	510XP
		1.16	95	P12	VOL		012	-0.37	012	012	WAR		95	INLET	510XP
90	6	0.26	133	P2	TWD	18	010	-0.34	LTE	UTE	WAR		94	INLET	510XB
		0.11	142	P2	TWD	9	011	+0.29	LTE	UTE	WAR		94	INLET	510XB
		0.16	141	P2	TWD	12	012	+0.29	LTE	UTE	WAR		94	INLET	510XB
90	7	0.17	153	P2	TWD	13	012	-0.39	LTE	UTE	WAR		96	INLET	510XB
90	8	1.50	79	P12	VOL		012	-0.42	012	012	WAR		93	INLET	510XP
		0.30	136	P2	TWD	20	012	-0.42	LTE	UTE	WAR		94	INLET	510XB
		0.16	140	P2	TWD	12	012	+0.26	LTE	UTE	WAR		94	INLET	510XB
		0.17	144	P2	TWD	13	014	-0.44	LTE	UTE	WAR		94	INLET	510XB
90	9	0.10	150	P2	TWD	8	010	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.19	145	P2	TWD	14	012	-0.42	LTE	UTE	WAR		96	INLET	510XB
90	10	0.07	128	P2	TWD	6	012	+0.23	LTE	UTE	WAR		94	INLET	510XB
		0.10	154	P2	TWD	8	012	-0.47	LTE	UTE	WAR	2	94	INLET	510XB
90	12	0.06	148	P2	TWD	5	010	-0.44	LTE	UTE	WAR	4	94	INLET	510XB
		0.07	154	P2	TWD	6	011	-0.44	LTE	UTE	WAR	4	94	INLET	510XB
90	13	0.16	143	P2	TWD	12	012	-0.50	LTE	UTE	WAR		96	INLET	510XB
		0.12	147	P2	TWD	10	012	+0.16	LTE	UTE	WAR		96	INLET	510XB
		0.11	141	P2	TWD	9	011	-0.44	LTE	UTE	WAR	2	96	INLET	510XB
90	87	0.04	155	P2	TWD	3	011	-0.08	LTE	UTE	WAR		140	INLET	510XB
90	109	0.07	152	P2	TWD	6	009	-0.49	LTE	UTE	WAR		132	INLET	510XB
90	111	0.08	133	P2	TWD	7	009	-0.44	LTE	UTE	WAR		132	INLET	510XB
		0.25	129	P2	TWD	18	014	-0.67	LTE	UTE	WAR		132	INLET	510XB
90	113	1.33	82	P13	VOL		009	-0.46	009	009	WAR		133	INLET	510XP
		0.30	138	P2	TWD	21	009	-0.46	LTE	UTE	WAR		134	INLET	510XB
		0.10	149	P2	TWD	9	009	+0.21	LTE	UTE	WAR		134	INLET	510XB
90	114	0.13	140	P2	TWD	10	009	-0.46	LTE	UTE	WAR		132	INLET	510XB
90	115	1.44	80	P14	VOL		009	-0.44	009	009	WAR		133	INLET	510XP
		0.44	131	P2	TWD	27	009	-0.44	LTE	UTE	WAR		134	INLET	510XB
		0.10	156	P2	TWD	9	010	+0.15	LTE	UTE	WAR		134	INLET	510XB
		0.10	132	P2	TWD	9	011	-0.56	LTE	UTE	WAR	0	134	INLET	510XB
90	119	0.10	152	P2	TWD	9	012	-0.46	LTE	UTE	WAR		134	INLET	510XB
90	123	0.09	146	P2	TWD	8	012	-0.36	LTE	UTE	WAR		134	INLET	510XB
90	124	0.06	155	P2	TWD	5	012	-0.38	LTE	UTE	WAR		132	INLET	510XB
		0.06	140	P2	TWD	5	011	-0.41	LTE	UTE	WAR	0	132	INLET	510XB
90	125	0.09	134	P2	TWD	8	012	-0.33	LTE	UTE	WAR		134	INLET	510XB
		0.06	109	P2	TWD	6	008	+0.36	LTE	UTE	WAR	4	134	INLET	510XB
90	127	0.08	149	P2	TWD	7	013	-0.44	LTE	UTE	WAR		116	INLET	510XB
		0.09	145	P2	TWD	8	013	+0.26	LTE	UTE	WAR		116	INLET	510XB
90	128	0.17	112	P2	TWD	13	010	+0.73	LTE	UTE	WAR		114	INLET	510XB
		0.09	139	P2	TWD	7	011	+0.36	LTE	UTE	WAR		114	INLET	510XB
		0.07	148	P2	TWD	6	006	+0.36	LTE	UTE	WAR	3	114	INLET	510XB
90	129	0.10	149	P2	TWD	8	006	+0.36	LTE	UTE	WAR		116	INLET	510XB
		0.09	149	P2	TWD	8	008	+0.44	LTE	UTE	WAR		116	INLET	510XB
		0.12	145	P2	TWD	10	009	+0.62	LTE	UTE	WAR		116	INLET	510XB
91	1	0.09	142	P2	TWD	8	012	-0.29	LTE	UTE	WAR		14	INLET	510XB
		0.26	137	P2	TWD	20	012	+0.39	LTE	UTE	WAR		14	INLET	510XB
		0.78	111	134	VOL		012	+0.37	012	012	WAR		13	INLET	510XP
91	5	1.21	116	78	VOL		012	-0.39	012	012	WAR		5	INLET	510XP
		0.40	138	P2	TWD	20	012	-0.37	LTE	UTE	WAR		6	INLET	510XB
91	6	0.25	138	P2	TWD	17	010	-0.31	LTE	UTE	WAR		94	INLET	510XB
		0.10	140	P2	TWD	8	012	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.08	154	P2	TWD	6	013	-0.46	LTE	UTE	WAR		94	INLET	510XB
		0.06	129	P2	TWD	5	012	+0.31	LTE	UTE	WAR	3	94	INLET	510XB
91	7	0.42	135	P2	TWD	25	012	-0.42	LTE	UTE	WAR		96	INLET	510XB
		0.20	148	P2	TWD	15	012	+0.29	LTE	UTE	WAR		96	INLET	510XB
		0.30	139	P2	TWD	20	013	-0.42	LTE	UTE	WAR		96	INLET	510XB
		1.73	86	P13	VOL		012	-0.42	012	012	WAR		95	INLET	510XP
		1.35	92	P17	VOL		013	-0.42	013	013	WAR		95	INLET	510XP
91	9	0.19	138	P2	TWD	14	011	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.27	146	P2	TWD	18	012	+0.23	LTE	UTE	WAR		96	INLET	510XB
91	10	0.07	145	P2	TWD	5	012	+0.23	LTE	UTE	WAR		94	INLET	510XB
		0.08	141	P2	TWD	7	013	-0.54	LTE	UTE	WAR	0	94	INLET	510XB
91	11	0.21	145	P2	TWD	15	012	-0.47	LTE	UTE	WAR		96	INLET	510XB
91	14	0.08	137	P2	TWD	7	011	+0.23	LTE	UTE	WAR		94	INLET	510XB
91	15	0.08	157	P2	TWD	6	010	-0.47	LTE	UTE	WAR		96	INLET	510XB
91	17	0.14	140	P2	TWD	11	014	-0.60	LTE	UTE	WAR		96	INLET	510XB
		0.09	151	P2	TWD	7	014	+0.03	LTE	UTE	WAR		96	INLET	510XB
91	74	0.11	120	P2	TWD	8	007	-0.62	LTE	UTE	WAR	5	559	INLET	510UL
91	110	0.09	136	P2	TWD	7	009	-0.49	LTE	UTE	WAR	0	553	INLET	510UL
91	112	0.07	158	P2	TWD	6	009	-0.46	LTE	UTE	WAR	3	132	INLET	510XB
91	113	0.12	133	P2	TWD	10	009	-0.46	LTE	UTE	WAR		134	INLET	510XB
91	114	0.13	151	P2	TWD	10	009	-0.44	LTE	UTE	WAR		132	INLET	510XB
		0.09	119	P2	TWD	7	012	-0.57	LTE	UTE	WAR		132	INLET	510XB
		0.14	143	P2	TWD	11	011	-0.57	LTE	UTE	WAR	7	132	INLET	510XB
91	115	0.09	146	P2	TWD	8	012	-0.54	LTE	UTE	WAR	0	134	INLET	510XB
91	116	0.09	138	P2	TWD	7	009	-0.46	LTE	UTE	WAR		132	INLET	510XB
		0.21	146	P2	TWD	16	009	+0.23	LTE	UTE	WAR		132	INLET	510XB
		0.14	151	P2	TWD	11	012	-0.54	LTE	UTE	WAR	0	132	INLET	510XB
91	118	0.15	134	P2	TWD	12	009	-0.39	LTE	UTE	WAR		132	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.14	145	P2	TWD	11	012	+0.21	LTE	UTE	WAR		132	INLET	510XB
91	119	0.06	152	P2	TWD	6	012	-0.49	LTE	UTE	WAR	0	134	INLET	510XB
91	121	0.15	140	P2	TWD	12	009	-0.44	LTE	UTE	WAR		134	INLET	510XB
91	124	0.21	146	P2	TWD	16	012	-0.36	LTE	UTE	WAR		132	INLET	510XB
91	129	0.13	144	P2	TWD	10	009	+0.65	LTE	UTE	WAR		114	INLET	510XB
		0.06	148	P2	TWD	5	011	+0.37	LTE	UTE	WAR		114	INLET	510XB
91	130	0.06	138	P2	TWD	5	009	-0.34	LTE	UTE	WAR		116	INLET	510XB
		0.14	75	P2	TWD	12	010	+0.70	LTE	UTE	WAR		116	INLET	510XB
		0.10	149	P2	TWD	8	011	+0.44	LTE	UTE	WAR		116	INLET	510XB
		0.08	134	P2	TWD	7	007	-0.34	LTE	UTE	WAR	3	116	INLET	510XB
		0.06	146	P2	TWD	5	007	+0.08	LTE	UTE	WAR		116	INLET	510XB
92	4	0.19	129	P2	TWD	11	010	-0.31	LTE	UTE	WAR		6	INLET	510XB
		0.11	145	P2	TWD	7	014	-0.39	LTE	UTE	WAR		6	INLET	510XB
92	5	0.06	148	P2	TWD	5	010	-0.34	LTE	UTE	WAR		96	INLET	510XB
92	6	1.82	83	P16	VOL		014	-0.39	014	014	WAR		93	INLET	510XP
		2.34	79	P12	VOL		012	-0.18	012	012	WAR		93	INLET	510XP
		0.16	139	P2	TWD	12	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.36	137	P2	TWD	23	014	-0.39	LTE	UTE	WAR		94	INLET	510XB
		0.14	144	P2	TWD	11	014	+0.31	LTE	UTE	WAR		94	INLET	510XB
		0.63	130	P2	TWD	32	012	-0.18	LTE	UTE	WAR		94	INLET	510XB
92	7	0.19	143	P2	TWD	14	010	-0.36	LTE	UTE	WAR		96	INLET	510XB
		0.12	151	P2	TWD	9	012	+0.26	LTE	UTE	WAR		96	INLET	510XB
92	8	0.06	147	P2	TWD	5	010	-0.36	LTE	UTE	WAR	4	94	INLET	510XB
92	10	0.10	148	P2	TWD	8	011	-0.46	LTE	UTE	WAR		94	INLET	510XB
92	12	0.07	140	P2	TWD	5	014	-0.49	LTE	UTE	WAR		94	INLET	510XB
		0.08	142	P2	TWD	7	010	-0.41	LTE	UTE	WAR	2	94	INLET	510XB
92	15	0.07	146	P2	TWD	6	012	+0.16	LTE	UTE	WAR		96	INLET	510XB
92	102	0.06	138	P2	TWD	5	007	+0.13	LTE	UTE	WAR		132	INLET	510XB
92	110	0.13	96	P2	TWD	11	012	-0.62	LTE	UTE	WAR		132	INLET	510XB
92	112	0.19	135	P2	TWD	14	013	-0.65	LTE	UTE	WAR		132	INLET	510XB
		0.12	147	P2	TWD	10	014	+0.03	LTE	UTE	WAR		132	INLET	510XB
92	113	0.13	148	P2	TWD	11	009	-0.46	LTE	UTE	WAR		134	INLET	510XB
92	114	0.10	124	P2	TWD	8	012	-0.57	LTE	UTE	WAR		132	INLET	510XB
92	115	0.14	142	P2	TWD	11	009	-0.46	LTE	UTE	WAR		134	INLET	510XB
92	116	0.07	137	P2	TWD	6	009	-0.44	LTE	UTE	WAR	4	132	INLET	510XB
92	118	0.10	141	P2	TWD	9	009	-0.41	LTE	UTE	WAR		132	INLET	510XB
92	120	0.08	142	P2	TWD	7	009	-0.41	LTE	UTE	WAR		132	INLET	510XB
92	126	0.08	140	P2	TWD	6	008	+0.41	LTE	UTE	WAR		114	INLET	510XB
93	3	0.09	140	P2	TWD	8	010	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.31	138	P2	TWD	22	012	-0.34	LTE	UTE	WAR		10	INLET	510XB
		0.13	147	P2	TWD	11	013	-0.37	LTE	UTE	WAR	5	10	INLET	510XB
		0.99	86	P25	VOL		012	-0.34	012	012	WAR		9	INLET	510XP
93	4	0.14	146	P2	TWD	9	012	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.10	141	P2	TWD	6	014	-0.39	LTE	UTE	WAR		6	INLET	510XB
93	5	0.07	136	P2	TWD	6	010	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.19	145	P2	TWD	14	012	-0.37	LTE	UTE	WAR		96	INLET	510XB
93	6	1.69	83	P7	VOL		010	-0.34	010	010	WAR		93	INLET	510XP
		0.42	135	P2	TWD	25	010	-0.34	LTE	UTE	WAR		94	INLET	510XB
		0.11	134	P2	TWD	9	012	+0.31	LTE	UTE	WAR		94	INLET	510XB
		0.13	146	P2	TWD	10	012	-0.39	LTE	UTE	WAR	5	94	INLET	510XB
93	7	0.10	154	P2	TWD	8	012	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.08	153	P2	TWD	7	012	+0.26	LTE	UTE	WAR		96	INLET	510XB
		0.15	146	P2	TWD	11	014	-0.45	LTE	UTE	WAR		96	INLET	510XB
		0.14	139	P2	TWD	11	014	+0.26	LTE	UTE	WAR		96	INLET	510XB
93	8	0.13	141	P2	TWD	10	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.26	142	P2	TWD	18	012	+0.26	LTE	UTE	WAR		94	INLET	510XB
		0.08	135	P2	TWD	7	012	-0.16	LTE	UTE	WAR	6	94	INLET	510XB
93	9	0.09	151	P2	TWD	7	010	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.12	155	P2	TWD	10	012	-0.45	LTE	UTE	WAR		96	INLET	510XB
93	13	0.06	138	P2	TWD	5	011	+0.21	LTE	UTE	WAR	3	96	INLET	510XB
93	15	0.11	148	P2	TWD	9	012	+0.16	LTE	UTE	WAR		96	INLET	510XB
		0.08	155	P2	TWD	6	010	-0.49	LTE	UTE	WAR		96	INLET	510XB
93	90	0.08	130	P2	TWD	7	009	-0.59	LTE	UTE	WAR		140	INLET	510XB
93	111	0.11	100	P2	TWD	9	012	-0.57	LTE	UTE	WAR	0	134	INLET	510XB
93	113	0.07	153	P2	TWD	6	009	-0.46	LTE	UTE	WAR		134	INLET	510XB
93	114	0.16	149	P2	TWD	13	009	-0.46	LTE	UTE	WAR		132	INLET	510XB
93	116	0.05	139	P2	TWD	5	009	-0.44	LTE	UTE	WAR	3	132	INLET	510XB
93	117	0.20	140	P2	TWD	15	009	-0.46	LTE	UTE	WAR		134	INLET	510XB
		0.09	153	P2	TWD	8	012	-0.49	LTE	UTE	WAR		134	INLET	510XB
93	119	0.08	147	P2	TWD	7	012	-0.46	LTE	UTE	WAR	0	134	INLET	510XB
93	120	0.17	141	P2	TWD	13	009	-0.44	LTE	UTE	WAR		132	INLET	510XB
		0.06	148	P2	TWD	5	012	-0.41	LTE	UTE	WAR	4	132	INLET	510XB
93	121	0.20	144	P2	TWD	16	012	-0.41	LTE	UTE	WAR		134	INLET	510XB
93	123	0.09	149	P2	TWD	8	012	-0.36	LTE	UTE	WAR		134	INLET	510XB
93	124	0.05	151	P2	TWD	5	011	-0.39	LTE	UTE	WAR	5	132	INLET	510XB
93	125	0.15	143	P2	TWD	11	009	-0.39	LTE	UTE	WAR		114	INLET	510XB
		0.14	143	P2	TWD	11	012	-0.34	LTE	UTE	WAR		114	INLET	510XB
		0.05	152	P2	TWD	5	012	+0.34	LTE	UTE	WAR		114	INLET	510XB
		0.06	156	P2	TWD	5	011	+0.26	LTE	UTE	WAR		114	INLET	510XB
94	1	0.11	144	P2	TWD	10	007	+0.37	LTE	UTE	WAR		14	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.07	142	P2	TWD	6	008	-0.29	LTE	UTE	WAR		14	INLET	510XB
		0.19	134	P2	TWD	16	011	-0.26	LTE	UTE	WAR		14	INLET	510XB
		0.35	131	P2	TWD	24	012	-0.29	LTE	UTE	WAR		14	INLET	510XB
		0.72	123	86	VOL		012	-0.29	012	012	WAR		13	INLET	510XP
94	2	0.19	137	P2	TWD	11	012	-0.29	LTE	UTE	WAR		12	INLET	510XB
94	3	0.13	140	P2	TWD	11	010	-0.31	LTE	UTE	WAR		10	INLET	510XB
94	4	1.63	114	78	VOL		012	-0.39	012	012	WAR		5	INLET	510XP
		0.54	133	P2	TWD	24	012	-0.34	LTE	UTE	WAR		6	INLET	510XB
94	6	0.23	140	P2	TWD	16	012	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.17	148	P2	TWD	13	013	-0.44	LTE	UTE	WAR		94	INLET	510XB
94	7	0.21	141	P2	TWD	15	010	-0.36	LTE	UTE	WAR		96	INLET	510XB
		0.22	142	P2	TWD	16	013	-0.44	LTE	UTE	WAR		96	INLET	510XB
94	8	0.15	143	P2	TWD	11	014	-0.44	LTE	UTE	WAR		94	INLET	510XB
94	9	0.07	148	P2	TWD	6	010	-0.36	LTE	UTE	WAR		96	INLET	510XB
94	10	0.07	150	P2	TWD	6	013	+0.26	LTE	UTE	WAR	4	94	INLET	510XB
94	11	0.06	156	P2	TWD	5	010	-0.42	LTE	UTE	WAR		96	INLET	510XB
94	16	0.07	152	P2	TWD	6	010	-0.49	LTE	UTE	WAR	3	94	INLET	510XB
94	17	0.09	141	P2	TWD	7	011	-0.55	LTE	UTE	WAR		96	INLET	510XB
94	21	0.11	133	P2	TWD	9	012	-0.62	LTE	UTE	WAR		94	INLET	510XB
94	60	0.08	142	P2	TWD	7	008	+0.18	LTE	UTE	WAR		152	INLET	510XB
		0.13	146	P2	TWD	10	008	-0.47	LTE	UTE	WAR		152	INLET	510XB
		0.11	128	P2	TWD	9	010	-0.68	LTE	UTE	WAR		152	INLET	510XB
94	91	0.09	99	P2	TWD	8	009	-0.59	LTE	UTE	WAR		140	INLET	510XB
94	114	0.08	150	P2	TWD	7	009	-0.44	LTE	UTE	WAR		132	INLET	510XB
		0.12	148	P2	TWD	9	012	-0.52	LTE	UTE	WAR		132	INLET	510XB
94	117	0.07	131	P2	TWD	6	006	+0.31	LTE	UTE	WAR		134	INLET	510XB
		0.15	139	P2	TWD	12	009	-0.41	LTE	UTE	WAR		134	INLET	510XB
94	118	0.16	145	P2	TWD	12	009	-0.41	LTE	UTE	WAR		132	INLET	510XB
		0.05	144	P2	TWD	5	013	+0.13	LTE	UTE	WAR	4	132	INLET	510XB
94	119	0.08	145	P2	TWD	7	009	-0.44	LTE	UTE	WAR	3	134	INLET	510XB
94	120	0.09	140	P2	TWD	7	009	-0.44	LTE	UTE	WAR		132	INLET	510XB
94	121	0.09	141	P2	TWD	8	009	-0.41	LTE	UTE	WAR	3	134	INLET	510XB
94	123	0.13	150	P2	TWD	11	012	-0.39	LTE	UTE	WAR		134	INLET	510XB
		0.10	153	P2	TWD	9	012	+0.31	LTE	UTE	WAR	4	134	INLET	510XB
94	128	0.07	131	P2	TWD	6	008	+0.44	LTE	UTE	WAR		114	INLET	510XB
		0.15	138	P2	TWD	12	009	+0.62	LTE	UTE	WAR		114	INLET	510XB
94	129	0.12	145	P2	TWD	10	006	+0.36	LTE	UTE	WAR		116	INLET	510XB
		0.11	141	P2	TWD	9	007	-0.28	LTE	UTE	WAR		116	INLET	510XB
		0.09	150	P2	TWD	8	007	+0.08	LTE	UTE	WAR		116	INLET	510XB
		0.16	140	P2	TWD	13	013	-0.34	LTE	UTE	WAR		116	INLET	510XB
		0.06	120	P2	TWD	5	009	-0.39	LTE	UTE	WAR		116	INLET	510XB
95	1	0.28	139	P2	TWD	20	012	-0.29	LTE	UTE	WAR		14	INLET	510XB
		0.59	129	P2	TWD	33	013	-0.34	LTE	UTE	WAR		14	INLET	510XB
		0.17	147	P2	TWD	14	015	+0.62	LTE	UTE	WAR		14	INLET	510XB
		0.50	134	86	VOL		012	-0.26	012	012	WAR		13	INLET	510XP
		1.38	113	118	VOL		013	-0.39	013	013	WAR		13	INLET	510XP
95	2	0.17	141	P2	TWD	10	012	-0.31	LTE	UTE	WAR		12	INLET	510XB
95	3	0.33	137	P2	TWD	24	012	-0.31	LTE	UTE	WAR		10	INLET	510XB
		1.15	83	P24	VOL		012	-0.31	012	012	WAR		9	INLET	510XP
95	4	0.13	146	P2	TWD	8	012	-0.34	LTE	UTE	WAR		6	INLET	510XB
		0.09	147	P2	TWD	6	012	+0.34	LTE	UTE	WAR		6	INLET	510XB
95	5	0.10	148	P2	TWD	8	010	-0.36	LTE	UTE	WAR		96	INLET	510XB
95	6	0.21	142	P2	TWD	15	012	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.09	138	P2	TWD	7	010	-0.34	LTE	UTE	WAR	6	94	INLET	510XB
95	7	0.11	145	P2	TWD	9	010	-0.36	LTE	UTE	WAR		96	INLET	510XB
		0.21	141	P2	TWD	15	012	-0.39	LTE	UTE	WAR		96	INLET	510XB
95	8	0.09	135	P2	TWD	8	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.09	144	P2	TWD	8	012	+0.26	LTE	UTE	WAR		94	INLET	510XB
95	9	0.09	155	P2	TWD	8	011	-0.42	LTE	UTE	WAR		96	INLET	510XB
95	10	0.15	141	P2	TWD	11	014	+0.26	LTE	UTE	WAR		94	INLET	510XB
		0.06	146	P2	TWD	5	014	-0.52	LTE	UTE	WAR	0	94	INLET	510XB
		0.07	134	P2	TWD	5	010	-0.36	LTE	UTE	WAR	3	94	INLET	510XB
95	11	0.28	139	P2	TWD	19	014	-0.50	LTE	UTE	WAR		96	INLET	510XB
		0.14	146	P2	TWD	11	010	-0.42	LTE	UTE	WAR	6	96	INLET	510XB
95	12	0.05	151	P2	TWD	4	010	-0.44	LTE	UTE	WAR	3	94	INLET	510XB
95	16	0.15	149	P2	TWD	11	009	-0.49	LTE	UTE	WAR		94	INLET	510XB
		0.10	145	P2	TWD	8	010	-0.49	LTE	UTE	WAR		94	INLET	510XB
95	53	0.05	122	P2	TWD	4	008	+0.16	LTE	UTE	WAR		114	INLET	510XB
95	79	0.05	146	P2	TWD	5	008	+0.18	LTE	UTE	WAR		140	INLET	510XB
95	93	0.09	111	P2	TWD	8	009	-0.57	LTE	UTE	WAR		140	INLET	510XB
95	95	0.13	122	P2	TWD	11	009	-0.59	LTE	UTE	WAR		140	INLET	510XB
95	100	0.13	139	P2	TWD	10	009	-0.54	LTE	UTE	WAR		132	INLET	510XB
95	103	0.08	150	P2	TWD	7	010	+0.05	LTE	UTE	WAR		132	INLET	510XB
95	110	0.14	134	P2	TWD	12	014	-0.65	LTE	UTE	WAR		134	INLET	510XB
95	115	0.09	133	P2	TWD	7	012	-0.49	LTE	UTE	WAR		132	INLET	510XB
		0.09	143	P2	TWD	8	009	-0.41	LTE	UTE	WAR	3	132	INLET	510XB
95	117	0.11	148	P2	TWD	9	009	-0.44	LTE	UTE	WAR		132	INLET	510XB
		0.10	126	P2	TWD	8	014	-0.57	LTE	UTE	WAR		132	INLET	510XB
		0.08	154	P2	TWD	7	014	+0.16	LTE	UTE	WAR		132	INLET	510XB
95	120	0.11	144	P2	TWD	10	009	-0.41	LTE	UTE	WAR	4	134	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
95	121	0.09	140	P2	TWD	8	012	-0.39	LTE	UTE	WAR		132	INLET	510XB
96	2	0.50	137	P2	TWD	24	012	-0.31	LTE	UTE	WAR		12	INLET	510XB
		1.44	126	78	VOL		012	-0.34	012	012	WAR		11	INLET	510XP
96	4	0.21	144	P2	TWD	15	012	-0.37	LTE	UTE	WAR		96	INLET	510XB
96	6	0.27	134	P2	TWD	18	012	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.09	137	P2	TWD	8	010	-0.36	LTE	UTE	WAR		96	INLET	510XB
96	7	0.22	134	P2	TWD	16	010	-0.34	LTE	UTE	WAR		94	INLET	510XB
		0.10	146	P2	TWD	8	012	-0.39	LTE	UTE	WAR		94	INLET	510XB
		0.06	143	P2	TWD	5	012	+0.28	LTE	UTE	WAR	5	94	INLET	510XB
96	8	0.13	148	P2	TWD	10	012	-0.39	LTE	UTE	WAR		96	INLET	510XB
		0.11	155	P2	TWD	9	012	+0.23	LTE	UTE	WAR	4	96	INLET	510XB
96	9	0.13	141	P2	TWD	10	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
96	10	0.06	151	P2	TWD	5	010	-0.39	LTE	UTE	WAR		96	INLET	510XB
96	11	0.08	151	P2	TWD	7	010	-0.41	LTE	UTE	WAR		94	INLET	510XB
		0.15	148	P2	TWD	12	014	-0.49	LTE	UTE	WAR		94	INLET	510XB
		0.11	133	P2	TWD	9	014	+0.23	LTE	UTE	WAR		94	INLET	510XB
96	52	0.06	108	P2	TWD	5	007	+0.10	LTE	UTE	WAR		114	INLET	510XB
		0.06	132	P2	TWD	5	008	+0.10	LTE	UTE	WAR	5	114	INLET	510XB
96	62	0.09	126	P2	TWD	7	007	-0.65	LTE	UTE	WAR		152	INLET	510XB
96	70	0.06	113	P2	TWD	5	008	+0.16	LTE	UTE	WAR		140	INLET	510XB
96	76	0.07	141	P2	TWD	6	006	+0.16	LTE	UTE	WAR		140	INLET	510XB
		0.09	118	P2	TWD	8	007	-0.60	LTE	UTE	WAR		140	INLET	510XB
		0.06	143	P2	TWD	6	010	-0.03	LTE	UTE	WAR		140	INLET	510XB
		0.07	50	P2	TWD	6	011	-0.75	LTE	UTE	WAR		140	INLET	510XB
		0.09	100	P2	TWD	8	008	-0.62	LTE	UTE	WAR	3	140	INLET	510XB
96	79	0.04	137	P2	TWD	4	008	+0.18	LTE	UTE	WAR		140	INLET	510XB
96	89	0.09	111	P2	TWD	8	009	-0.57	LTE	UTE	WAR		140	INLET	510XB
96	117	0.05	137	P2	TWD	5	009	-0.44	LTE	UTE	WAR	3	132	INLET	510XB
96	118	0.17	142	P2	TWD	14	009	-0.41	LTE	UTE	WAR		134	INLET	510XB
		0.11	105	P2	TWD	9	013	-0.59	LTE	UTE	WAR		134	INLET	510XB
96	121	0.07	152	P2	TWD	6	011	-0.41	LTE	UTE	WAR	3	132	INLET	510XB
96	122	1.48	80	P11	VOL		009	-0.41	009	009	WAR		133	INLET	510XP
		0.33	138	P2	TWD	23	009	-0.41	LTE	UTE	WAR		134	INLET	510XB
96	123	0.06	159	P2	TWD	5	010	+0.47	LTE	UTE	WAR	3	132	INLET	510XB
97	2	0.11	142	P2	TWD	10	010	-0.29	LTE	UTE	WAR		14	INLET	510XB
		0.31	136	P2	TWD	22	012	-0.32	LTE	UTE	WAR		14	INLET	510XB
		0.92	130	142	VOL		012	-0.37	012	012	WAR		13	INLET	510XP
97	4	0.09	141	P2	TWD	7	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
97	5	0.12	138	P2	TWD	10	010	-0.36	LTE	UTE	WAR		96	INLET	510XB
97	6	0.22	143	P2	TWD	16	012	-0.39	LTE	UTE	WAR		94	INLET	510XB
		0.07	141	P2	TWD	6	010	-0.36	LTE	UTE	WAR	6	94	INLET	510XB
97	7	0.55	135	P2	TWD	30	012	-0.39	LTE	UTE	WAR		96	INLET	510XB
		2.11	86	P12	VOL		012	-0.39	012	012	WAR		95	INLET	510XP
97	8	1.58	77	P7	VOL		010	-0.36	010	010	WAR		93	INLET	510XP
		0.36	129	P2	TWD	23	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.11	145	P2	TWD	8	014	-0.44	LTE	UTE	WAR		94	INLET	510XB
		0.23	138	P2	TWD	16	014	+0.29	LTE	UTE	WAR		94	INLET	510XB
		0.18	132	P2	TWD	13	012	+0.26	LTE	UTE	WAR	4	94	INLET	510XB
97	9	0.05	157	P2	TWD	4	010	-0.39	LTE	UTE	WAR		96	INLET	510XB
97	19	0.06	147	P2	TWD	5	012	+0.08	LTE	UTE	WAR		96	INLET	510XB
97	51	0.04	86	P2	TWD	4	008	+0.16	LTE	UTE	WAR		114	INLET	510XB
97	99	0.04	143	P2	TWD	4	007	+0.21	LTE	UTE	WAR		132	INLET	510XB
97	112	0.11	121	P2	TWD	10	012	+0.18	LTE	UTE	WAR		134	INLET	510XB
		0.07	141	P2	TWD	6	012	-0.54	LTE	UTE	WAR	4	134	INLET	510XB
97	121	0.14	148	P2	TWD	11	012	-0.36	LTE	UTE	WAR		132	INLET	510XB
97	122	0.06	147	P2	TWD	5	010	+0.44	LTE	UTE	WAR	0	134	INLET	510XB
98	1	0.07	140	P2	TWD	7	008	-0.31	LTE	UTE	WAR		14	INLET	510XB
		0.24	143	P2	TWD	18	012	-0.32	LTE	UTE	WAR		14	INLET	510XB
		0.14	136	P2	TWD	12	013	-0.34	LTE	UTE	WAR		14	INLET	510XB
		0.14	146	P2	TWD	12	012	+0.37	LTE	UTE	WAR	8	14	INLET	510XB
98	3	0.41	134	P2	TWD	20	012	-0.31	LTE	UTE	WAR		12	INLET	510XB
		0.93	123	102	VOL		012	-0.37	012	012	WAR		11	INLET	510XP
98	4	0.27	139	P2	TWD	18	012	-0.34	LTE	UTE	WAR		96	INLET	510XB
		0.07	144	P2	TWD	6	013	-0.42	LTE	UTE	WAR		96	INLET	510XB
98	7	0.16	142	P2	TWD	12	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.09	146	P2	TWD	7	012	-0.36	LTE	UTE	WAR	0	94	INLET	510XB
98	8	0.09	154	P2	TWD	7	010	-0.34	LTE	UTE	WAR		96	INLET	510XB
98	9	0.18	135	P2	TWD	13	011	-0.41	LTE	UTE	WAR		94	INLET	510XB
		0.08	144	P2	TWD	7	012	+0.23	LTE	UTE	WAR		94	INLET	510XB
		0.06	93	P2	TWD	5	012	-0.16	LTE	UTE	WAR	3	94	INLET	510XB
98	11	0.17	146	P2	TWD	13	010	-0.39	LTE	UTE	WAR		94	INLET	510XB
		0.07	148	P2	TWD	5	012	+0.23	LTE	UTE	WAR		94	INLET	510XB
98	61	0.13	122	P2	TWD	11	007	-0.68	LTE	UTE	WAR	7	509	INLET	510UL
98	63	0.06	138	P2	TWD	5	007	+0.13	LTE	UTE	WAR		152	INLET	510XB
98	78	0.07	80	P2	TWD	6	008	+0.10	LTE	UTE	WAR		140	INLET	510XB
98	98	0.12	140	P2	TWD	9	009	-0.54	LTE	UTE	WAR		132	INLET	510XB
98	99	0.08	145	P2	TWD	6	009	-0.52	LTE	UTE	WAR	4	553	INLET	510UL
98	110	0.07	145	P2	TWD	6	011	+0.13	LTE	UTE	WAR		134	INLET	510XB
98	115	0.07	154	P2	TWD	6	011	+0.21	LTE	UTE	WAR	3	132	INLET	510XB
98	120	0.05	150	P2	TWD	5	012	+0.23	LTE	UTE	WAR	5	134	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
98	126	0.07	148	P2	TWD	6	011	-0.31	LTE	UTE	WAR		116	INLET	510XB
		0.14	150	P2	TWD	11	011	+0.37	LTE	UTE	WAR		116	INLET	510XB
98	127	0.13	135	P2	TWD	11	011	-0.29	LTE	UTE	WAR		116	INLET	510XB
		0.09	125	P2	TWD	8	002	-0.23	LTE	UTE	WAR	4	116	INLET	510XB
99	1	0.12	142	P2	TWD	10	010	-0.29	LTE	UTE	WAR		14	INLET	510XB
		0.12	146	P2	TWD	10	012	+0.37	LTE	UTE	WAR		14	INLET	510XB
99	4	0.46	138	P2	TWD	27	012	-0.34	LTE	UTE	WAR		96	INLET	510XB
		1.87	86	P14	VOL		012	-0.34	012	012	WAR		95	INLET	510XP
99	5	0.07	126	P2	TWD	6	012	+0.33	LTE	UTE	WAR	5	94	INLET	510XB
99	6	0.52	139	P2	TWD	29	012	-0.37	LTE	UTE	WAR		96	INLET	510XB
		0.11	147	P2	TWD	9	013	-0.42	LTE	UTE	WAR		96	INLET	510XB
		2.02	86	P14	VOL		012	-0.37	012	012	WAR		95	INLET	510XP
99	7	0.11	151	P2	TWD	9	012	+0.28	LTE	UTE	WAR	5	94	INLET	510XB
99	9	0.10	147	P2	TWD	8	011	-0.41	LTE	UTE	WAR	3	94	INLET	510XB
99	10	0.20	142	P2	TWD	15	011	-0.39	LTE	UTE	WAR		96	INLET	510XB
99	11	0.11	143	P2	TWD	9	012	+0.21	LTE	UTE	WAR		94	INLET	510XB
99	17	0.09	139	P2	TWD	8	012	-0.57	LTE	UTE	WAR		94	INLET	510XB
99	18	0.15	129	P2	TWD	11	014	-0.60	LTE	UTE	WAR		96	INLET	510XB
99	94	0.09	123	P2	TWD	8	009	-0.57	LTE	UTE	WAR		140	INLET	510XB
99	99	0.10	152	P2	TWD	8	007	+0.18	LTE	UTE	WAR		132	INLET	510XB
99	115	0.07	153	P2	TWD	6	012	-0.47	LTE	UTE	WAR	0	134	INLET	510XB
99	117	0.13	149	P2	TWD	11	009	-0.41	LTE	UTE	WAR		134	INLET	510XB
99	119	0.12	147	P2	TWD	10	013	-0.57	LTE	UTE	WAR		134	INLET	510XB
99	120	0.13	144	P2	TWD	10	012	-0.36	LTE	UTE	WAR		132	INLET	510XB
99	125	0.13	143	P2	TWD	10	011	+0.36	LTE	UTE	WAR		114	INLET	510XB
99	126	0.07	149	P2	TWD	6	007	+0.10	LTE	UTE	WAR		116	INLET	510XB
		0.09	150	P2	TWD	8	007	-0.31	LTE	UTE	WAR	4	116	INLET	510XB
100	2	0.12	145	P2	TWD	8	012	+0.37	LTE	UTE	WAR		12	INLET	510XB
100	4	0.06	140	P2	TWD	5	010	-0.34	LTE	UTE	WAR		94	INLET	510XB
		0.09	140	P2	TWD	7	012	-0.31	LTE	UTE	WAR		94	INLET	510XB
100	5	0.13	149	P2	TWD	10	013	-0.39	LTE	UTE	WAR		96	INLET	510XB
100	6	0.17	140	P2	TWD	13	012	-0.36	LTE	UTE	WAR	5	94	INLET	510XB
100	8	2.95	79	P16	VOL		012	-0.41	012	012	WAR		93	INLET	510XP
		0.64	130	P2	TWD	33	012	-0.41	LTE	UTE	WAR		94	INLET	510XB
		0.13	147	P2	TWD	10	013	+0.28	LTE	UTE	WAR		94	INLET	510XB
		0.07	148	P2	TWD	5	013	-0.49	LTE	UTE	WAR	5	94	INLET	510XB
		0.06	146	P2	TWD	5	012	+0.23	LTE	UTE	WAR	4	94	INLET	510XB
100	9	0.09	145	P2	TWD	7	010	-0.36	LTE	UTE	WAR		96	INLET	510XB
		0.19	150	P2	TWD	14	012	-0.45	LTE	UTE	WAR		96	INLET	510XB
100	14	0.07	143	P2	TWD	6	014	+0.18	LTE	UTE	WAR		94	INLET	510XB
		0.07	140	P2	TWD	6	014	-0.57	LTE	UTE	WAR	6	94	INLET	510XB
100	28	0.11	92	P2	TWD	9	014	-0.72	LTE	UTE	WAR		94	INLET	510XB
		0.06	137	P2	TWD	5	014	+0.00	LTE	UTE	WAR	3	94	INLET	510XB
100	75	0.04	145	P2	TWD	4	008	+0.13	LTE	UTE	WAR		140	INLET	510XB
		0.12	106	P2	TWD	10	008	-0.60	LTE	UTE	WAR	5	140	INLET	510XB
		0.10	118	P2	TWD	9	011	-0.68	LTE	UTE	WAR	8	140	INLET	510XB
100	85	0.03	151	P2	TWD	3	008	+0.16	LTE	UTE	WAR		140	INLET	510XB
100	98	0.07	126	P2	TWD	6	009	-0.52	LTE	UTE	WAR	3	553	INLET	510UL
100	110	0.16	141	P2	TWD	13	009	-0.44	LTE	UTE	WAR		132	INLET	510XB
100	118	0.18	149	P2	TWD	13	012	-0.42	LTE	UTE	WAR		132	INLET	510XB
		0.15	145	P2	TWD	12	009	-0.39	LTE	UTE	WAR	4	132	INLET	510XB
100	119	0.07	155	P2	TWD	6	011	+0.26	LTE	UTE	WAR	0	134	INLET	510XB
100	122	0.07	142	P2	TWD	6	012	-0.34	LTE	UTE	WAR	4	132	INLET	510XB
100	123	0.08	130	P2	TWD	7	012	-0.31	LTE	UTE	WAR	0	134	INLET	510XB
101	1	0.17	138	P2	TWD	14	012	-0.26	LTE	UTE	WAR		14	INLET	510XB
101	3	0.25	133	P2	TWD	17	012	-0.31	LTE	UTE	WAR		94	INLET	510XB
101	4	0.25	141	P2	TWD	17	012	-0.34	LTE	UTE	WAR		96	INLET	510XB
101	5	0.06	141	P2	TWD	5	010	-0.34	LTE	UTE	WAR		94	INLET	510XB
101	7	0.11	121	P2	TWD	9	010	-0.36	LTE	UTE	WAR		94	INLET	510XB
		0.08	151	P2	TWD	7	012	-0.41	LTE	UTE	WAR	3	94	INLET	510XB
101	8	0.09	145	P2	TWD	8	012	+0.23	LTE	UTE	WAR		96	INLET	510XB
101	9	0.11	145	P2	TWD	9	010	-0.39	LTE	UTE	WAR	9	94	INLET	510XB
101	10	0.10	138	P2	TWD	8	011	+0.29	LTE	UTE	WAR	0	96	INLET	510XB
101	85	0.09	90	P2	TWD	8	009	-0.57	LTE	UTE	WAR		140	INLET	510XB
101	98	0.04	156	P2	TWD	4	007	+0.18	LTE	UTE	WAR		132	INLET	510XB
101	108	0.09	152	P2	TWD	8	011	+0.16	LTE	UTE	WAR		132	INLET	510XB
101	115	0.14	149	P2	TWD	12	012	-0.47	LTE	UTE	WAR		134	INLET	510XB
101	116	0.06	152	P2	TWD	5	012	-0.44	LTE	UTE	WAR	2	132	INLET	510XB
101	117	0.15	147	P2	TWD	12	012	-0.41	LTE	UTE	WAR		134	INLET	510XB
101	124	0.26	143	P2	TWD	19	011	+0.39	LTE	UTE	WAR		116	INLET	510XB
102	2	0.07	148	P2	TWD	6	012	-0.32	LTE	UTE	WAR		96	INLET	510XB
102	3	0.07	131	P2	TWD	6	010	-0.33	LTE	UTE	WAR		94	INLET	510XB
102	4	0.07	128	P2	TWD	6	010	-0.34	LTE	UTE	WAR		96	INLET	510XB
		0.11	141	P2	TWD	9	013	-0.39	LTE	UTE	WAR		96	INLET	510XB
102	5	1.41	80	P15	VOL		012	-0.36	012	012	WAR		93	INLET	510XP
		0.33	135	P2	TWD	21	012	-0.36	LTE	UTE	WAR		94	INLET	510XB
102	6	0.09	154	P2	TWD	7	012	-0.39	LTE	UTE	WAR	0	96	INLET	510XB
		0.11	150	P2	TWD	9	013	+0.32	LTE	UTE	WAR	3	96	INLET	510XB
102	9	0.11	141	P2	TWD	8	012	+0.23	LTE	UTE	WAR		94	INLET	510XB
102	10	0.08	142	P2	TWD	6	010	-0.39	LTE	UTE	WAR		96	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.09	153	P2	TWD	7	012 -0.47	LTE	UTE	WAR		96	INLET	510XB
102	22	0.08	131	P2	TWD	7	010 +0.10	LTE	UTE	WAR	5	505	INLET	510UL
102	103	0.10	83	P2	TWD	9	012 -0.57	LTE	UTE	WAR	3	136	INLET	510XB
102	108	0.06	133	P2	TWD	5	011 +0.18	LTE	UTE	WAR		138	INLET	510XB
102	111	0.06	156	P2	TWD	6	006 +0.36	LTE	UTE	WAR		136	INLET	510XB
102	112	0.07	122	P2	TWD	6	012 -0.52	LTE	UTE	WAR	4	138	INLET	510XB
102	114	0.08	147	P2	TWD	7	012 -0.44	LTE	UTE	WAR	4	138	INLET	510XB
102	115	0.09	149	P2	TWD	7	012 -0.44	LTE	UTE	WAR		132	INLET	510XB
103	1	0.11	133	P2	TWD	10	012 -0.31	LTE	UTE	WAR		14	INLET	510XB
103	3	0.15	149	P2	TWD	12	012 -0.32	LTE	UTE	WAR		96	INLET	510XB
		0.11	141	P2	TWD	9	013 -0.36	LTE	UTE	WAR		96	INLET	510XB
103	5	0.14	139	P2	TWD	11	012 +0.31	LTE	UTE	WAR	4	96	INLET	510XB
103	6	0.22	138	P2	TWD	16	012 -0.33	LTE	UTE	WAR		94	INLET	510XB
103	7	0.31	139	P2	TWD	20	012 -0.37	LTE	UTE	WAR		96	INLET	510XB
		1.05	86	P13	VOL		012 -0.37	012	012	WAR		95	INLET	510XP
103	8	0.16	140	P2	TWD	12	012 +0.23	LTE	UTE	WAR		94	INLET	510XB
		0.11	131	P2	TWD	8	010 -0.36	LTE	UTE	WAR	4	94	INLET	510XB
103	10	0.15	138	P2	TWD	11	011 +0.26	LTE	UTE	WAR		94	INLET	510XB
		0.14	144	P2	TWD	11	012 +0.21	LTE	UTE	WAR		94	INLET	510XB
103	11	0.08	157	P2	TWD	7	012 +0.21	LTE	UTE	WAR		96	INLET	510XB
		0.18	148	P2	TWD	14	014 -0.50	LTE	UTE	WAR		96	INLET	510XB
103	14	0.08	149	P2	TWD	7	011 -0.46	LTE	UTE	WAR	4	94	INLET	510XB
103	23	0.07	153	P2	TWD	6	012 +0.03	LTE	UTE	WAR	4	507	INLET	510UL
103	64	0.09	101	P2	TWD	8	007 -0.63	LTE	UTE	WAR		140	INLET	510XB
103	98	0.07	149	P2	TWD	7	007 +0.21	LTE	UTE	WAR		136	INLET	510XB
103	111	0.09	142	P2	TWD	8	012 +0.21	LTE	UTE	WAR		136	INLET	510XB
103	113	0.06	149	P2	TWD	6	012 -0.47	LTE	UTE	WAR	0	136	INLET	510XB
103	114	0.06	151	P2	TWD	5	012 -0.44	LTE	UTE	WAR	3	138	INLET	510XB
		0.06	152	P2	TWD	5	012 +0.18	LTE	UTE	WAR	3	138	INLET	510XB
103	115	0.09	141	P2	TWD	9	014 -0.52	LTE	UTE	WAR	6	136	INLET	510XB
103	116	0.08	138	P2	TWD	7	012 -0.42	LTE	UTE	WAR		138	INLET	510XB
103	117	0.06	139	P2	TWD	5	010 +0.47	LTE	UTE	WAR	3	136	INLET	510XB
103	118	0.09	148	P2	TWD	7	010 -0.42	LTE	UTE	WAR		138	INLET	510XB
		0.06	141	P2	TWD	5	013 -0.57	LTE	UTE	WAR	2	138	INLET	510XB
103	123	0.07	148	P2	TWD	6	011 +0.39	LTE	UTE	WAR		114	INLET	510XB
104	3	0.27	138	P2	TWD	18	012 -0.31	LTE	UTE	WAR		94	INLET	510XB
104	4	0.09	37	P2	TWD	7	010 +0.68	LTE	UTE	WAR		96	INLET	510XB
		0.21	142	P2	TWD	15	012 -0.34	LTE	UTE	WAR		96	INLET	510XB
104	6	0.15	145	P2	TWD	12	012 -0.37	LTE	UTE	WAR		96	INLET	510XB
104	7	1.97	84	P18	VOL		014 -0.41	014	014	WAR		93	INLET	510XP
		0.08	142	P2	TWD	6	010 -0.33	LTE	UTE	WAR		94	INLET	510XB
		0.25	140	P2	TWD	17	012 -0.39	LTE	UTE	WAR		94	INLET	510XB
		0.34	140	P2	TWD	22	014 -0.41	LTE	UTE	WAR		94	INLET	510XB
		0.11	141	P2	TWD	9	012 +0.28	LTE	UTE	WAR	5	94	INLET	510XB
104	8	0.09	153	P2	TWD	7	014 -0.45	LTE	UTE	WAR		96	INLET	510XB
		0.24	141	P2	TWD	17	014 +0.29	LTE	UTE	WAR		96	INLET	510XB
104	20	0.09	135	P2	TWD	8	012 -0.55	LTE	UTE	WAR		96	INLET	510XB
104	115	0.05	155	P2	TWD	5	012 -0.42	LTE	UTE	WAR	4	136	INLET	510XB
104	117	0.14	146	P2	TWD	12	010 -0.39	LTE	UTE	WAR		136	INLET	510XB
		0.10	143	P2	TWD	9	012 -0.36	LTE	UTE	WAR		136	INLET	510XB
104	118	0.07	152	P2	TWD	6	010 -0.39	LTE	UTE	WAR		138	INLET	510XB
105	3	0.19	141	P2	TWD	14	012 -0.34	LTE	UTE	WAR		96	INLET	510XB
105	4	1.42	84	P18	VOL		012 -0.33	012	012	WAR		93	INLET	510XP
		0.33	135	P2	TWD	21	012 -0.33	LTE	UTE	WAR		94	INLET	510XB
105	6	0.15	137	P2	TWD	11	014 -0.39	LTE	UTE	WAR		94	INLET	510XB
		0.18	144	P2	TWD	14	012 -0.41	LTE	UTE	WAR	5	94	INLET	510XB
105	7	0.12	147	P2	TWD	10	012 -0.42	LTE	UTE	WAR		96	INLET	510XB
105	10	0.15	150	P2	TWD	11	014 -0.49	LTE	UTE	WAR		94	INLET	510XB
		0.18	138	P2	TWD	13	014 +0.26	LTE	UTE	WAR		94	INLET	510XB
105	12	0.07	141	P2	TWD	6	012 -0.49	LTE	UTE	WAR		94	INLET	510XB
105	25	0.07	148	P2	TWD	6	014 -0.68	LTE	UTE	WAR		88	INLET	510XB
		0.10	128	P2	TWD	8	014 +0.03	LTE	UTE	WAR		88	INLET	510XB
105	95	0.08	137	P2	TWD	7	009 -0.52	LTE	UTE	WAR	4	553	INLET	510UL
105	97	0.06	145	P2	TWD	5	009 -0.49	LTE	UTE	WAR	0	553	INLET	510UL
105	109	0.10	145	P2	TWD	9	012 -0.52	LTE	UTE	WAR		136	INLET	510XB
105	112	0.12	152	P2	TWD	10	013 -0.57	LTE	UTE	WAR		138	INLET	510XB
105	116	0.12	148	P2	TWD	9	010 -0.41	LTE	UTE	WAR		138	INLET	510XB
106	1	0.08	129	P2	TWD	7	013 -0.31	LTE	UTE	WAR	0	88	INLET	510XB
106	4	0.08	134	P2	TWD	6	010 -0.34	LTE	UTE	WAR	0	88	INLET	510XB
106	9	2.05	96	6	VOL		012 -0.42	012	012	WAR		87	INLET	510XP
		0.31	136	P2	TWD	20	012 -0.42	LTE	UTE	WAR	4	88	INLET	510XB
106	12	0.12	149	P2	TWD	9	012 -0.50	LTE	UTE	WAR		88	INLET	510XB
106	19	0.08	136	P2	TWD	6	010 +0.16	LTE	UTE	WAR	0	88	INLET	510XB
106	22	0.07	85	P2	TWD	5	012 +0.05	LTE	UTE	WAR		88	INLET	510XB
106	92	0.07	139	P2	TWD	6	013 -0.76	LTE	UTE	WAR		140	INLET	510XB
106	105	0.07	134	P2	TWD	6	011 +0.16	LTE	UTE	WAR		138	INLET	510XB
106	113	0.06	150	P2	TWD	5	011 +0.29	LTE	UTE	WAR	0	138	INLET	510XB
106	118	0.08	143	P2	TWD	8	012 -0.31	LTE	UTE	WAR		136	INLET	510XB
106	121	0.07	132	P2	TWD	6	006 -0.28	LTE	UTE	WAR	3	138	INLET	510XB
107	3	0.08	145	P2	TWD	7	013 -0.37	LTE	UTE	WAR		88	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
107	5	0.17	136	P2	TWD	13	012	-0.37	LTE	UTE	WAR		88	INLET	510XB
107	6	0.17	140	P2	TWD	12	012	-0.39	LTE	UTE	WAR		88	INLET	510XB
		0.06	153	P2	TWD	5	012	+0.26	LTE	UTE	WAR	0	88	INLET	510XB
107	8	0.27	141	P2	TWD	18	012	-0.45	LTE	UTE	WAR		88	INLET	510XB
		0.08	110	P2	TWD	7	013	-0.42	LTE	UTE	WAR		88	INLET	510XB
107	11	0.10	148	P2	TWD	8	011	+0.29	LTE	UTE	WAR		88	INLET	510XB
		0.10	140	P2	TWD	8	012	-0.47	LTE	UTE	WAR		88	INLET	510XB
		0.18	140	P2	TWD	13	014	-0.50	LTE	UTE	WAR		88	INLET	510XB
107	23	0.12	130	P2	TWD	9	012	-0.55	LTE	UTE	WAR	6	507	INLET	510UL
107	96	0.07	145	P2	TWD	7	011	+0.05	LTE	UTE	WAR		136	INLET	510XB
107	114	0.07	154	P2	TWD	6	010	-0.39	LTE	UTE	WAR	3	138	INLET	510XB
107	120	0.05	150	P2	TWD	5	011	+0.10	LTE	UTE	WAR	0	138	INLET	510XB
108	3	0.25	140	P2	TWD	17	012	-0.34	LTE	UTE	WAR		88	INLET	510XB
108	4	0.07	147	P2	TWD	6	012	+0.34	LTE	UTE	WAR	4	152	INLET	510XB
108	7	0.16	146	P2	TWD	12	012	-0.39	LTE	UTE	WAR		88	INLET	510XB
108	12	0.14	138	P2	TWD	11	012	-0.49	LTE	UTE	WAR		152	INLET	510XB
108	26	0.06	143	P2	TWD	5	010	+0.08	LTE	UTE	WAR		88	INLET	510XB
108	81	0.08	118	P2	TWD	7	006	-0.54	LTE	UTE	WAR		140	INLET	510XB
108	97	0.10	144	P2	TWD	9	009	-0.52	LTE	UTE	WAR		136	INLET	510XB
		0.11	112	P2	TWD	10	012	-0.62	LTE	UTE	WAR		136	INLET	510XB
108	104	0.08	142	P2	TWD	8	011	-0.50	LTE	UTE	WAR	4	136	INLET	510XB
108	109	0.12	148	P2	TWD	9	011	-0.41	LTE	UTE	WAR	3	138	INLET	510XB
108	119	0.09	141	P2	TWD	7	011	+0.36	LTE	UTE	WAR	0	154	INLET	510XB
109	4	0.22	134	P2	TWD	16	012	-0.31	LTE	UTE	WAR		86	INLET	510XB
109	5	0.16	142	P2	TWD	12	013	-0.42	LTE	UTE	WAR		88	INLET	510XB
109	6	0.08	144	P2	TWD	6	012	-0.34	LTE	UTE	WAR		86	INLET	510XB
		0.21	142	P2	TWD	15	013	-0.44	LTE	UTE	WAR		86	INLET	510XB
		0.39	139	P2	TWD	24	014	-0.42	LTE	UTE	WAR		86	INLET	510XB
		0.15	144	P2	TWD	11	013	+0.31	LTE	UTE	WAR	5	86	INLET	510XB
		2.47	99	138	VOL		014	-0.44	014	014	WAR		85	INLET	510XP
109	7	0.10	142	P2	TWD	8	014	-0.39	LTE	UTE	WAR		88	INLET	510XB
		0.12	146	P2	TWD	9	014	+0.29	LTE	UTE	WAR		88	INLET	510XB
		0.10	153	P2	TWD	8	012	-0.42	LTE	UTE	WAR	0	88	INLET	510XB
109	12	0.08	147	P2	TWD	6	014	-0.52	LTE	UTE	WAR		86	INLET	510XB
		0.14	145	P2	TWD	11	014	+0.21	LTE	UTE	WAR		86	INLET	510XB
109	18	0.07	140	P2	TWD	6	012	-0.03	LTE	UTE	WAR	4	86	INLET	510XB
109	25	0.07	125	P2	TWD	6	010	+0.03	LTE	UTE	WAR		86	INLET	510XB
109	96	0.14	120	P2	TWD	12	012	-0.60	LTE	UTE	WAR		136	INLET	510XB
109	105	0.06	114	P2	TWD	5	012	-0.50	LTE	UTE	WAR	5	138	INLET	510XB
109	107	0.13	141	P2	TWD	10	012	-0.50	LTE	UTE	WAR		138	INLET	510XB
110	3	1.32	94	6	VOL		012	-0.34	012	012	WAR		87	INLET	510XP
		0.33	138	P2	TWD	21	012	-0.37	LTE	UTE	WAR		88	INLET	510XB
110	5	0.22	138	P2	TWD	15	012	-0.39	LTE	UTE	WAR		88	INLET	510XB
		0.15	139	P2	TWD	11	014	-0.37	LTE	UTE	WAR		88	INLET	510XB
110	7	0.20	149	P2	TWD	14	012	-0.37	LTE	UTE	WAR		88	INLET	510XB
110	9	2.36	114	142	VOL		012	+0.13	012	012	WAR		87	INLET	510XP
		0.48	140	P2	TWD	27	012	+0.21	LTE	UTE	WAR		88	INLET	510XB
110	11	0.10	154	P2	TWD	8	012	-0.45	LTE	UTE	WAR		88	INLET	510XB
110	18	0.15	127	P2	TWD	11	013	-0.62	LTE	UTE	WAR		86	INLET	510XB
		0.08	146	P2	TWD	6	013	+0.16	LTE	UTE	WAR	4	86	INLET	510XB
110	108	0.24	134	P2	TWD	19	013	-0.55	LTE	UTE	WAR		136	INLET	510XB
		0.10	155	P2	TWD	9	011	+0.23	LTE	UTE	WAR	0	136	INLET	510XB
110	111	0.05	147	P2	TWD	4	010	-0.39	LTE	UTE	WAR	3	138	INLET	510XB
110	117	0.08	146	P2	TWD	6	006	+0.41	LTE	UTE	WAR		138	INLET	510XB
111	5	0.10	149	P2	TWD	8	013	+0.31	LTE	UTE	WAR	0	88	INLET	510XB
111	7	0.14	148	P2	TWD	10	012	+0.26	LTE	UTE	WAR		88	INLET	510XB
		0.09	148	P2	TWD	7	014	-0.42	LTE	UTE	WAR	0	88	INLET	510XB
111	8	0.13	148	P2	TWD	10	011	-0.36	LTE	UTE	WAR		86	INLET	510XB
111	13	0.10	152	P2	TWD	8	014	-0.53	LTE	UTE	WAR		88	INLET	510XB
111	17	0.06	144	P2	TWD	5	011	+0.21	LTE	UTE	WAR	0	88	INLET	510XB
111	106	0.06	162	P2	TWD	5	011	-0.49	LTE	UTE	WAR	2	138	INLET	510XB
111	110	0.16	147	P2	TWD	12	010	-0.42	LTE	UTE	WAR		138	INLET	510XB
111	116	0.07	142	P2	TWD	6	007	-0.31	LTE	UTE	WAR	4	136	INLET	510XB
		0.04	157	P2	TWD	4	007	+0.05	LTE	UTE	WAR	3	136	INLET	510XB
112	4	0.10	144	P2	TWD	8	012	-0.31	LTE	UTE	WAR		86	INLET	510XB
		0.11	147	P2	TWD	9	013	-0.34	LTE	UTE	WAR		86	INLET	510XB
112	6	0.09	149	P2	TWD	7	013	-0.36	LTE	UTE	WAR	5	86	INLET	510XB
112	10	0.09	127	P2	TWD	8	012	+0.26	LTE	UTE	WAR		86	INLET	510XB
112	11	0.08	159	P2	TWD	6	012	-0.45	LTE	UTE	WAR		88	INLET	510XB
		0.07	143	P2	TWD	6	014	-0.45	LTE	UTE	WAR		88	INLET	510XB
112	18	0.11	147	P2	TWD	9	014	-0.62	LTE	UTE	WAR		86	INLET	510XB
112	57	0.04	103	P2	TWD	4	008	+0.15	LTE	UTE	WAR		114	INLET	510XB
112	72	0.03	119	P2	TWD	3	008	+0.21	LTE	UTE	WAR		140	INLET	510XB
112	97	0.12	128	P2	TWD	11	012	-0.57	LTE	UTE	WAR	6	136	INLET	510XB
112	105	0.15	151	P2	TWD	13	011	+0.23	LTE	UTE	WAR		136	INLET	510XB
112	108	0.05	155	P2	TWD	5	011	+0.29	LTE	UTE	WAR	2	136	INLET	510XB
		0.05	119	P2	TWD	5	014	+0.24	LTE	UTE	WAR	0	136	INLET	510XB
112	110	0.07	140	P2	TWD	7	010	-0.41	LTE	UTE	WAR	3	136	INLET	510XB
112	111	0.14	148	P2	TWD	12	010	-0.39	LTE	UTE	WAR		136	INLET	510XB
112	114	0.06	152	P2	TWD	6	012	+0.36	LTE	UTE	WAR	0	136	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
112	116	0.06	152	P2	TWD	6	006	+0.41	LTE	UTE	WAR		136	INLET	510XB
112	117	0.05	148	P2	TWD	5	007	-0.28	LTE	UTE	WAR	3	136	INLET	510XB
113	3	0.17	149	P2	TWD	13	012	-0.29	LTE	UTE	WAR		86	INLET	510XB
113	5	0.13	147	P2	TWD	10	012	-0.31	LTE	UTE	WAR		86	INLET	510XB
113	6	0.08	151	P2	TWD	6	012	-0.37	LTE	UTE	WAR	0	88	INLET	510XB
113	10	1.84	95	22	VOL		012	-0.50	012	012	WAR		87	INLET	510XP
		0.35	139	P2	TWD	22	012	-0.45	LTE	UTE	WAR		88	INLET	510XB
		0.17	151	P2	TWD	12	014	-0.45	LTE	UTE	WAR		88	INLET	510XB
113	16	0.17	148	P2	TWD	13	012	-0.55	LTE	UTE	WAR		88	INLET	510XB
113	101	0.07	157	P2	TWD	6	010	+0.57	LTE	UTE	WAR	4	136	INLET	510XB
113	104	0.10	156	P2	TWD	9	012	-0.47	LTE	UTE	WAR		140	INLET	510XB
		0.06	138	P2	TWD	5	012	+0.23	LTE	UTE	WAR	3	140	INLET	510XB
113	106	0.07	100	P2	TWD	6	012	-0.63	LTE	UTE	WAR	2	140	INLET	510XB
113	108	0.12	152	P2	TWD	11	010	-0.41	LTE	UTE	WAR		140	INLET	510XB
113	116	0.08	141	P2	TWD	6	011	-0.28	LTE	UTE	WAR		154	INLET	510XB
		0.03	154	P2	TWD	3	001	+0.18	LTE	UTE	WAR		154	INLET	510XB
114	1	0.14	145	P2	TWD	10	012	+0.34	LTE	UTE	WAR	5	88	INLET	510XB
114	2	0.04	149	P2	TWD	4	013	-0.34	LTE	UTE	WAR		86	INLET	510XB
114	4	0.11	133	P2	TWD	9	013	-0.36	LTE	UTE	WAR		86	INLET	510XB
114	5	0.09	152	P2	TWD	7	013	+0.39	LTE	UTE	WAR	0	88	INLET	510XB
114	61	0.08	140	P2	TWD	5	007	+0.08	LTE	UTE	WAR	3	535	INLET	510UL
114	99	0.07	157	P2	TWD	7	009	-0.44	LTE	UTE	WAR		142	INLET	510XB
114	106	0.07	149	P2	TWD	6	009	-0.44	LTE	UTE	WAR		140	INLET	510XB
114	107	0.14	146	P2	TWD	11	010	-0.42	LTE	UTE	WAR		152	INLET	510XB
114	109	0.07	152	P2	TWD	6	010	-0.39	LTE	UTE	WAR		152	INLET	510XB
114	115	0.05	111	P2	TWD	4	011	-0.18	LTE	UTE	WAR		154	INLET	510XB
115	4	0.13	141	P2	TWD	10	012	+0.31	LTE	UTE	WAR		88	INLET	510XB
115	6	0.16	147	P2	TWD	12	012	-0.39	LTE	UTE	WAR		88	INLET	510XB
		0.18	142	P2	TWD	13	012	+0.26	LTE	UTE	WAR		88	INLET	510XB
		0.09	131	P2	TWD	7	013	-0.39	LTE	UTE	WAR	0	88	INLET	510XB
115	7	0.20	147	P2	TWD	15	012	-0.34	LTE	UTE	WAR		86	INLET	510XB
		0.08	139	P2	TWD	7	012	+0.29	LTE	UTE	WAR	4	86	INLET	510XB
115	8	0.12	136	P2	TWD	9	011	-0.37	LTE	UTE	WAR		88	INLET	510XB
		0.06	155	P2	TWD	5	014	-0.42	LTE	UTE	WAR		88	INLET	510XB
		0.10	148	P2	TWD	8	014	+0.32	LTE	UTE	WAR		88	INLET	510XB
		0.06	147	P2	TWD	5	012	-0.16	LTE	UTE	WAR		88	INLET	510XB
		0.07	141	P2	TWD	6	012	+0.21	LTE	UTE	WAR		88	INLET	510XB
		0.06	149	P2	TWD	5	012	-0.39	LTE	UTE	WAR	0	88	INLET	510XB
115	19	0.08	146	P2	TWD	6	012	+0.10	LTE	UTE	WAR	4	86	INLET	510XB
115	86	0.10	142	P2	TWD	9	014	+0.00	LTE	UTE	WAR		140	INLET	510XB
115	98	0.07	153	P2	TWD	6	012	-0.55	LTE	UTE	WAR	3	140	INLET	510XB
115	104	0.06	132	P2	TWD	6	009	-0.42	LTE	UTE	WAR		140	INLET	510XB
		0.07	151	P2	TWD	7	012	-0.47	LTE	UTE	WAR		140	INLET	510XB
115	106	0.05	159	P2	TWD	5	010	-0.44	LTE	UTE	WAR	2	140	INLET	510XB
115	107	0.06	148	P2	TWD	7	010	-0.44	LTE	UTE	WAR		142	INLET	510XB
115	114	0.09	150	P2	TWD	7	011	+0.39	LTE	UTE	WAR		154	INLET	510XB
116	1	1.20	93	142	VOL		015	-0.39	015	015	WAR		87	INLET	510XP
		0.15	122	P2	TWD	11	012	-0.29	LTE	UTE	WAR		88	INLET	510XB
		0.36	131	P2	TWD	22	015	-0.37	LTE	UTE	WAR		88	INLET	510XB
		0.12	133	P2	TWD	9	010	-0.23	LTE	UTE	WAR	0	88	INLET	510XB
116	2	0.10	146	P2	TWD	8	012	-0.28	LTE	UTE	WAR		86	INLET	510XB
116	3	0.08	155	P2	TWD	6	012	-0.32	LTE	UTE	WAR		88	INLET	510XB
		0.12	142	P2	TWD	9	012	+0.31	LTE	UTE	WAR	5	88	INLET	510XB
116	7	0.08	149	P2	TWD	7	012	-0.42	LTE	UTE	WAR	0	88	INLET	510XB
		0.07	139	P2	TWD	6	012	+0.26	LTE	UTE	WAR	0	88	INLET	510XB
116	66	0.08	153	P2	TWD	6	010	+0.05	LTE	UTE	WAR	3	535	INLET	510UL
116	89	0.07	156	P2	TWD	5	007	-0.48	LTE	UTE	WAR	3	535	INLET	510UL
116	93	0.14	132	P2	TWD	13	009	-0.47	LTE	UTE	WAR	4	142	INLET	510XB
116	94	0.13	132	P2	TWD	11	012	-0.57	LTE	UTE	WAR		140	INLET	510XB
		0.19	124	P2	TWD	15	013	-0.65	LTE	UTE	WAR		140	INLET	510XB
		0.15	142	P2	TWD	12	014	-0.63	LTE	UTE	WAR		140	INLET	510XB
116	97	0.14	136	P2	TWD	13	009	-0.44	LTE	UTE	WAR		142	INLET	510XB
116	103	0.10	142	P2	TWD	10	009	-0.41	LTE	UTE	WAR		142	INLET	510XB
116	105	0.09	133	P2	TWD	8	010	-0.42	LTE	UTE	WAR		152	INLET	510XB
116	106	0.18	142	P2	TWD	15	010	-0.41	LTE	UTE	WAR		140	INLET	510XB
116	113	0.10	135	P2	TWD	10	011	-0.36	LTE	UTE	WAR		142	INLET	510XB
117	1	0.12	139	P2	TWD	9	013	-0.31	LTE	UTE	WAR		88	INLET	510XB
117	4	0.24	138	P2	TWD	16	012	-0.34	LTE	UTE	WAR		88	INLET	510XB
		0.13	147	P2	TWD	10	013	-0.39	LTE	UTE	WAR		88	INLET	510XB
117	5	0.16	151	P2	TWD	12	012	-0.34	LTE	UTE	WAR		86	INLET	510XB
		0.09	148	P2	TWD	7	012	+0.31	LTE	UTE	WAR		86	INLET	510XB
117	9	0.06	150	P2	TWD	5	013	-0.47	LTE	UTE	WAR		86	INLET	510XB
117	10	0.20	137	P2	TWD	14	012	+0.21	LTE	UTE	WAR		88	INLET	510XB
117	26	0.11	137	P2	TWD	9	014	-0.73	LTE	UTE	WAR		106	INLET	510XB
		0.12	139	P2	TWD	10	014	-0.03	LTE	UTE	WAR		106	INLET	510XB
117	46	0.03	122	P2	TWD	3	008	+0.13	LTE	UTE	WAR		106	INLET	510XB
117	72	0.07	127	P2	TWD	7	006	-0.57	LTE	UTE	WAR	4	533	INLET	510UL
117	81	0.06	141	P2	TWD	5	011	+0.10	LTE	UTE	WAR		140	INLET	510XB
117	86	0.09	159	P2	TWD	6	011	+0.10	LTE	UTE	WAR	4	535	INLET	510UL
117	87	0.07	152	P2	TWD	6	011	+0.03	LTE	UTE	WAR		140	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.10	137	P2	TWD	9	009	-0.52	LTE	UTE	WAR	3	140	INLET	510XB
		0.09	132	P2	TWD	8	011	-0.54	LTE	UTE	WAR	3	140	INLET	510XB
117	89	0.08	152	P2	TWD	7	011	-0.52	LTE	UTE	WAR		140	INLET	510XB
117	99	0.18	141	P2	TWD	14	009	-0.42	LTE	UTE	WAR		140	INLET	510XB
117	100	0.08	154	P2	TWD	8	012	-0.47	LTE	UTE	WAR	3	142	INLET	510XB
117	102	0.10	134	P2	TWD	8	010	-0.44	LTE	UTE	WAR		152	INLET	510XB
117	103	0.15	145	P2	TWD	13	010	-0.44	LTE	UTE	WAR		140	INLET	510XB
117	104	0.98	69	P25	VOL		010	-0.41	010	010	WAR		141	INLET	510XP
		0.43	136	P2	TWD	30	010	-0.41	LTE	UTE	WAR		142	INLET	510XB
		0.08	153	P2	TWD	8	014	+0.29	LTE	UTE	WAR	0	142	INLET	510XB
118	5	0.12	140	P2	TWD	9	012	-0.39	LTE	UTE	WAR		88	INLET	510XB
		0.05	155	P2	TWD	4	014	+0.34	LTE	UTE	WAR		88	INLET	510XB
118	6	0.08	144	P2	TWD	7	013	-0.44	LTE	UTE	WAR	4	86	INLET	510XB
118	9	0.10	149	P2	TWD	8	012	-0.44	LTE	UTE	WAR		88	INLET	510XB
118	14	0.07	137	P2	TWD	6	014	+0.16	LTE	UTE	WAR	4	86	INLET	510XB
118	42	0.09	126	P2	TWD	7	010	+0.05	LTE	UTE	WAR	3	517	INLET	510UL
118	78	0.10	119	P2	TWD	9	012	-0.68	LTE	UTE	WAR		140	INLET	510XB
118	100	0.06	121	P2	TWD	5	011	+0.29	LTE	UTE	WAR	3	140	INLET	510XB
118	101	0.09	131	P2	TWD	8	010	-0.44	LTE	UTE	WAR		152	INLET	510XB
119	2	0.17	126	P2	TWD	12	010	-0.28	LTE	UTE	WAR		78	INLET	510XB
		0.12	139	P2	TWD	9	012	-0.31	LTE	UTE	WAR		78	INLET	510XB
		0.14	144	P2	TWD	11	013	-0.34	LTE	UTE	WAR		78	INLET	510XB
119	4	0.18	144	P2	TWD	13	012	-0.31	LTE	UTE	WAR		78	INLET	510XB
119	5	0.17	120	P2	TWD	13	010	+0.08	LTE	UTE	WAR		80	INLET	510XB
119	8	0.21	135	P2	TWD	15	012	+0.31	LTE	UTE	WAR		78	INLET	510XB
119	9	0.12	151	P2	TWD	9	013	-0.50	LTE	UTE	WAR		80	INLET	510XB
119	11	0.10	154	P2	TWD	8	014	-0.47	LTE	UTE	WAR		80	INLET	510XB
		0.11	148	P2	TWD	9	014	+0.24	LTE	UTE	WAR		80	INLET	510XB
119	17	0.09	148	P2	TWD	7	012	+0.13	LTE	UTE	WAR		80	INLET	510XB
119	28	0.05	157	P2	TWD	4	011	+0.08	LTE	UTE	WAR		106	INLET	510XB
119	92	0.09	155	P2	TWD	7	013	+0.13	LTE	UTE	WAR		130	INLET	510XB
119	96	0.07	149	P2	TWD	6	009	+0.60	LTE	UTE	WAR		130	INLET	510XB
119	99	0.07	149	P2	TWD	6	009	-0.42	LTE	UTE	WAR		128	INLET	510XB
119	100	0.08	150	P2	TWD	7	012	-0.42	LTE	UTE	WAR		130	INLET	510XB
120	1	0.20	137	P2	TWD	15	012	+0.34	LTE	UTE	WAR		80	INLET	510XB
120	4	0.15	137	P2	TWD	11	012	-0.34	LTE	UTE	WAR		78	INLET	510XB
120	7	0.15	146	P2	TWD	11	012	-0.39	LTE	UTE	WAR		80	INLET	510XB
		0.09	142	P2	TWD	8	012	+0.26	LTE	UTE	WAR		80	INLET	510XB
120	10	0.21	139	P2	TWD	15	012	+0.23	LTE	UTE	WAR		78	INLET	510XB
120	11	0.10	152	P2	TWD	8	012	-0.47	LTE	UTE	WAR		80	INLET	510XB
120	20	0.06	106	P2	TWD	5	010	+0.18	LTE	UTE	WAR		78	INLET	510XB
		0.06	142	P2	TWD	5	014	+0.10	LTE	UTE	WAR	5	78	INLET	510XB
120	28	0.07	144	P2	TWD	6	010	+0.08	LTE	UTE	WAR		106	INLET	510XB
120	76	0.08	86	P2	TWD	7	012	-0.62	LTE	UTE	WAR		140	INLET	510XB
120	83	0.19	122	P2	TWD	15	012	-0.60	LTE	UTE	WAR		140	INLET	510XB
		0.12	121	P2	TWD	10	013	-0.68	LTE	UTE	WAR		140	INLET	510XB
		0.25	128	P2	TWD	19	014	-0.68	LTE	UTE	WAR		140	INLET	510XB
		0.09	145	P2	TWD	8	014	+0.03	LTE	UTE	WAR	0	140	INLET	510XB
120	86	0.08	111	P2	TWD	7	012	-0.60	LTE	UTE	WAR	3	140	INLET	510XB
121	8	0.05	159	P2	TWD	4	012	-0.45	LTE	UTE	WAR		80	INLET	510XB
121	9	0.11	139	P2	TWD	9	014	+0.29	LTE	UTE	WAR	5	78	INLET	510XB
121	10	0.14	140	P2	TWD	11	014	-0.47	LTE	UTE	WAR		80	INLET	510XB
		0.13	138	P2	TWD	10	014	+0.24	LTE	UTE	WAR		80	INLET	510XB
121	13	0.13	143	P2	TWD	10	014	+0.21	LTE	UTE	WAR		78	INLET	510XB
121	78	0.14	162	P2	TWD	9	011	+0.21	LTE	UTE	WAR	3	531	INLET	510UL
121	99	0.23	145	P2	TWD	17	010	-0.41	LTE	UTE	WAR		126	INLET	510XB
		0.12	151	P2	TWD	10	012	-0.39	LTE	UTE	WAR		126	INLET	510XB
121	100	0.13	130	P2	TWD	10	010	-0.39	LTE	UTE	WAR		124	INLET	510XB
122	8	0.15	139	P2	TWD	11	012	-0.39	LTE	UTE	WAR		78	INLET	510XB
122	9	0.10	151	P2	TWD	8	012	-0.39	LTE	UTE	WAR		80	INLET	510XB
		0.06	156	P2	TWD	5	012	+0.21	LTE	UTE	WAR	0	80	INLET	510XB
122	12	0.08	155	P2	TWD	6	012	-0.44	LTE	UTE	WAR		78	INLET	510XB
		0.20	145	P2	TWD	14	014	-0.46	LTE	UTE	WAR		78	INLET	510XB
		0.09	141	P2	TWD	7	014	+0.26	LTE	UTE	WAR		78	INLET	510XB
122	25	0.08	135	P2	TWD	7	012	-0.60	LTE	UTE	WAR	5	108	INLET	510XB
122	34	0.08	153	P2	TWD	7	010	+0.13	LTE	UTE	WAR		106	INLET	510XB
122	90	0.10	134	P2	TWD	8	012	-0.55	LTE	UTE	WAR		126	INLET	510XB
122	96	0.07	144	P2	TWD	6	009	-0.39	LTE	UTE	WAR		126	INLET	510XB
122	97	0.26	145	P2	TWD	18	013	-0.50	LTE	UTE	WAR		124	INLET	510XB
		0.09	137	P2	TWD	7	013	+0.26	LTE	UTE	WAR		124	INLET	510XB
122	98	0.07	128	P2	TWD	6	010	-0.39	LTE	UTE	WAR	0	126	INLET	510XB
		0.07	146	P2	TWD	7	013	-0.47	LTE	UTE	WAR	4	126	INLET	510XB
123	1	0.19	140	P2	TWD	14	013	-0.31	LTE	UTE	WAR		80	INLET	510XB
123	9	2.16	102	46	VOL		012	-0.44	012	012	WAR		79	INLET	510XP
		0.37	139	P2	TWD	23	012	-0.42	LTE	UTE	WAR		80	INLET	510XB
		0.27	145	P2	TWD	18	014	-0.45	LTE	UTE	WAR		80	INLET	510XB
		0.21	138	P2	TWD	15	014	+0.18	LTE	UTE	WAR		80	INLET	510XB
123	11	0.10	151	P2	TWD	8	012	-0.44	LTE	UTE	WAR		80	INLET	510XB
123	24	0.07	151	P2	TWD	6	014	+0.00	LTE	UTE	WAR		106	INLET	510XB
123	75	0.09	94	P2	TWD	8	012	-0.65	LTE	UTE	WAR		140	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
123	90	0.07	143	P2	TWD	6	012	+0.29	LTE	UTE	WAR		126	INLET	510XB
		0.10	121	P2	TWD	9	014	-0.57	LTE	UTE	WAR		126	INLET	510XB
		0.09	139	P2	TWD	8	014	+0.18	LTE	UTE	WAR		126	INLET	510XB
123	94	0.14	134	P2	TWD	12	012	-0.47	LTE	UTE	WAR	0	126	INLET	510XB
123	96	0.19	142	P2	TWD	15	012	-0.39	LTE	UTE	WAR		126	INLET	510XB
123	97	2.03	106	46	VOL		010	-0.44	010	010	WAR		123	INLET	510XP
		0.58	130	P2	TWD	30	010	-0.39	LTE	UTE	WAR		124	INLET	510XB
124	7	0.13	158	P2	TWD	10	014	-0.39	LTE	UTE	WAR		80	INLET	510XB
124	8	0.11	127	P2	TWD	8	011	-0.18	LTE	UTE	WAR	5	78	INLET	510XB
		0.06	150	P2	TWD	5	011	+0.29	LTE	UTE	WAR	3	78	INLET	510XB
		0.09	150	P2	TWD	7	012	-0.37	LTE	UTE	WAR	5	78	INLET	510XB
		0.08	147	P2	TWD	6	014	+0.21	LTE	UTE	WAR	4	78	INLET	510XB
124	11	0.11	139	P2	TWD	9	014	+0.16	LTE	UTE	WAR	0	80	INLET	510XB
124	17	0.16	144	P2	TWD	12	014	-0.57	LTE	UTE	WAR		78	INLET	510XB
		0.07	131	P2	TWD	6	014	+0.03	LTE	UTE	WAR	5	78	INLET	510XB
124	18	0.06	157	P2	TWD	5	014	+0.03	LTE	UTE	WAR	0	108	INLET	510XB
124	82	0.10	130	P2	TWD	9	012	-0.55	LTE	UTE	WAR		144	INLET	510XB
124	84	0.08	138	P2	TWD	7	012	-0.52	LTE	UTE	WAR	4	140	INLET	510XB
124	95	0.15	137	P2	TWD	11	010	-0.39	LTE	UTE	WAR		124	INLET	510XB
125	7	0.17	138	P2	TWD	13	012	-0.39	LTE	UTE	WAR		80	INLET	510XB
		0.16	147	P2	TWD	12	013	-0.44	LTE	UTE	WAR		80	INLET	510XB
125	8	0.15	133	P2	TWD	11	014	-0.42	LTE	UTE	WAR		78	INLET	510XB
125	9	1.96	109	38	VOL		012	-0.42	012	012	WAR		79	INLET	510XP
		0.09	156	P2	TWD	7	014	+0.18	LTE	UTE	WAR		80	INLET	510XB
		0.18	135	P2	TWD	13	010	+0.65	LTE	UTE	WAR		80	INLET	510XB
		0.32	138	P2	TWD	21	012	-0.42	LTE	UTE	WAR		80	INLET	510XB
125	10	0.08	149	P2	TWD	6	012	+0.26	LTE	UTE	WAR	4	78	INLET	510XB
125	14	0.07	146	P2	TWD	6	012	+0.16	LTE	UTE	WAR		78	INLET	510XB
125	57	0.07	153	P2	TWD	6	010	+0.08	LTE	UTE	WAR	0	529	INLET	510UL
125	90	0.13	138	P2	TWD	11	012	-0.44	LTE	UTE	WAR	0	126	INLET	510XB
125	91	0.13	139	P2	TWD	10	011	-0.39	LTE	UTE	WAR	5	124	INLET	510XB
125	92	0.09	148	P2	TWD	8	009	-0.41	LTE	UTE	WAR		126	INLET	510XB
		0.09	152	P2	TWD	8	012	-0.39	LTE	UTE	WAR		126	INLET	510XB
125	93	0.14	142	P2	TWD	11	010	-0.39	LTE	UTE	WAR		124	INLET	510XB
126	8	2.36	96	114	VOL		012	-0.36	012	012	WAR		77	INLET	510XP
		0.36	135	P2	TWD	22	012	-0.34	LTE	UTE	WAR		78	INLET	510XB
		0.11	145	P2	TWD	8	011	+0.31	LTE	UTE	WAR	4	78	INLET	510XB
		0.12	152	P2	TWD	9	014	+0.21	LTE	UTE	WAR		78	INLET	510XB
126	9	1.19	112	122	VOL		012	+0.18	012	012	WAR		79	INLET	510XP
		0.34	144	P2	TWD	22	012	+0.24	LTE	UTE	WAR		80	INLET	510XB
		0.25	140	P2	TWD	17	014	-0.42	LTE	UTE	WAR		80	INLET	510XB
126	10	0.11	144	P2	TWD	9	012	+0.21	LTE	UTE	WAR		78	INLET	510XB
		0.13	146	P2	TWD	10	014	-0.44	LTE	UTE	WAR		78	INLET	510XB
		0.13	145	P2	TWD	10	014	+0.18	LTE	UTE	WAR		78	INLET	510XB
126	11	0.15	137	P2	TWD	12	011	-0.31	LTE	UTE	WAR		80	INLET	510XB
		0.16	136	P2	TWD	12	012	+0.18	LTE	UTE	WAR		80	INLET	510XB
		0.11	156	P2	TWD	9	014	-0.42	LTE	UTE	WAR		80	INLET	510XB
		0.07	150	P2	TWD	6	014	+0.18	LTE	UTE	WAR		80	INLET	510XB
126	17	0.26	143	P2	TWD	18	014	-0.55	LTE	UTE	WAR		106	INLET	510XB
126	18	0.07	131	P2	TWD	6	012	+0.13	LTE	UTE	WAR	4	108	INLET	510XB
126	20	0.07	139	P2	TWD	6	011	+0.18	LTE	UTE	WAR	4	108	INLET	510XB
126	24	0.12	150	P2	TWD	10	010	+0.16	LTE	UTE	WAR		108	INLET	510XB
126	61	0.07	147	P2	TWD	6	011	+0.03	LTE	UTE	WAR	0	529	INLET	510UL
126	72	0.09	150	P2	TWD	8	013	+0.03	LTE	UTE	WAR		144	INLET	510XB
126	76	0.12	139	P2	TWD	10	012	-0.60	LTE	UTE	WAR	8	146	INLET	510XB
126	77	0.06	139	P2	TWD	6	011	-0.52	LTE	UTE	WAR	5	144	INLET	510XB
126	82	0.12	129	P2	TWD	10	013	-0.58	LTE	UTE	WAR		146	INLET	510XB
		0.07	156	P2	TWD	6	013	+0.16	LTE	UTE	WAR		146	INLET	510XB
126	86	0.10	123	P2	TWD	8	013	+0.05	LTE	UTE	WAR		124	INLET	510XB
		0.15	146	P2	TWD	11	014	-0.55	LTE	UTE	WAR		124	INLET	510XB
126	90	0.18	139	P2	TWD	13	009	-0.39	LTE	UTE	WAR		124	INLET	510XB
126	91	0.03	152	P2	TWD	2	012	+0.26	LTE	UTE	WAR		124	INLET	510XB
		0.07	139	P2	TWD	6	009	-0.42	LTE	UTE	WAR	3	124	INLET	510XB
126	93	0.12	141	P2	TWD	9	010	-0.36	LTE	UTE	WAR		124	INLET	510XB
126	94	0.08	120	P2	TWD	6	010	-0.34	LTE	UTE	WAR	4	124	INLET	510XB
127	5	0.09	126	P2	TWD	7	012	-0.31	LTE	UTE	WAR	4	78	INLET	510XB
127	6	0.08	151	P2	TWD	7	012	-0.34	LTE	UTE	WAR	0	80	INLET	510XB
127	7	0.07	126	P2	TWD	5	012	-0.34	LTE	UTE	WAR		78	INLET	510XB
		0.13	122	P2	TWD	10	012	+0.26	LTE	UTE	WAR		78	INLET	510XB
127	12	0.09	155	P2	TWD	8	014	+0.16	LTE	UTE	WAR	0	80	INLET	510XB
127	15	0.20	136	P2	TWD	14	014	-0.49	LTE	UTE	WAR		78	INLET	510XB
127	71	0.07	122	P2	TWD	6	012	-0.57	LTE	UTE	WAR	0	146	INLET	510XB
		0.07	85	P2	TWD	6	012	+0.68	LTE	UTE	WAR	0	146	INLET	510XB
127	90	0.10	153	P2	TWD	9	010	-0.36	LTE	UTE	WAR		126	INLET	510XB
128	6	0.19	143	P2	TWD	14	012	+0.26	LTE	UTE	WAR		78	INLET	510XB
128	7	0.06	154	P2	TWD	5	014	-0.39	LTE	UTE	WAR		80	INLET	510XB
128	8	0.27	136	P2	TWD	18	012	-0.31	LTE	UTE	WAR		78	INLET	510XB
		0.12	152	P2	TWD	9	014	-0.42	LTE	UTE	WAR		78	INLET	510XB
		0.12	145	P2	TWD	9	014	+0.18	LTE	UTE	WAR	5	78	INLET	510XB
		0.18	145	P2	TWD	13	013	-0.44	LTE	UTE	WAR	5	78	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
128	9	0.12	128	P2	TWD	10	011	-0.21	LTE	UTE	WAR		80	INLET	510XB
		0.12	147	P2	TWD	9	012	-0.42	LTE	UTE	WAR		80	INLET	510XB
		0.20	137	P2	TWD	15	012	+0.24	LTE	UTE	WAR		80	INLET	510XB
128	10	0.14	141	P2	TWD	11	012	-0.36	LTE	UTE	WAR	7	78	INLET	510XB
128	13	0.21	145	P2	TWD	15	012	+0.21	LTE	UTE	WAR		80	INLET	510XB
128	19	0.10	139	P2	TWD	8	012	-0.52	LTE	UTE	WAR		106	INLET	510XB
		0.19	137	P2	TWD	14	012	+0.16	LTE	UTE	WAR		106	INLET	510XB
		0.08	145	P2	TWD	7	014	-0.57	LTE	UTE	WAR		106	INLET	510XB
		0.13	136	P2	TWD	11	014	+0.08	LTE	UTE	WAR		106	INLET	510XB
128	29	0.15	136	P2	TWD	11	014	-0.03	LTE	UTE	WAR		106	INLET	510XB
		0.21	137	P2	TWD	15	014	-0.36	LTE	UTE	WAR	6	106	INLET	510XB
128	31	0.29	136	P2	TWD	20	014	-0.03	LTE	UTE	WAR		106	INLET	510XB
		0.08	143	P2	TWD	7	010	+0.16	LTE	UTE	WAR	5	106	INLET	510XB
		1.34	81	P25	VOL		014	-0.05	014	014	WAR		105	INLET	510XP
128	59	0.10	125	P2	TWD	7	006	-0.44	LTE	UTE	WAR	4	531	INLET	510UL
128	78	0.11	137	P2	TWD	9	012	-0.52	LTE	UTE	WAR	5	146	INLET	510XB
128	88	0.13	133	P2	TWD	10	010	-0.36	LTE	UTE	WAR		124	INLET	510XB
		0.09	141	P2	TWD	7	014	+0.29	LTE	UTE	WAR		124	INLET	510XB
128	89	0.08	153	P2	TWD	7	012	-0.39	LTE	UTE	WAR		126	INLET	510XB
129	6	0.14	139	P2	TWD	10	012	+0.26	LTE	UTE	WAR		78	INLET	510XB
129	8	0.06	150	P2	TWD	5	014	-0.42	LTE	UTE	WAR		78	INLET	510XB
		0.09	124	P2	TWD	7	014	+0.21	LTE	UTE	WAR		78	INLET	510XB
129	11	0.16	139	P2	TWD	12	014	+0.18	LTE	UTE	WAR		78	INLET	510XB
129	15	0.11	144	P2	TWD	9	014	-0.49	LTE	UTE	WAR		106	INLET	510XB
129	19	0.07	129	P2	TWD	6	012	-0.52	LTE	UTE	WAR	4	106	INLET	510XB
129	35	0.07	130	P2	TWD	6	014	-0.73	LTE	UTE	WAR		106	INLET	510XB
		0.21	142	P2	TWD	15	014	-0.05	LTE	UTE	WAR		106	INLET	510XB
129	63	0.10	128	P2	TWD	9	012	-0.62	LTE	UTE	WAR	4	529	INLET	510UL
129	84	0.05	132	P2	TWD	4	009	-0.39	LTE	UTE	WAR		122	INLET	510XB
		0.05	135	P2	TWD	5	009	-0.42	LTE	UTE	WAR	IDOK	120	INLET	510XB
129	89	0.09	149	P2	TWD	7	011	+0.34	LTE	UTE	WAR	0	120	INLET	510XB
129	90	0.08	117	P2	TWD	6	010	-0.31	LTE	UTE	WAR		122	INLET	510XB
		0.07	132	P2	TWD	5	012	-0.37	LTE	UTE	WAR		122	INLET	510XB
130	6	0.10	136	P2	TWD	8	012	-0.36	LTE	UTE	WAR	4	78	INLET	510XB
130	8	0.13	142	P2	TWD	10	014	-0.36	LTE	UTE	WAR		78	INLET	510XB
130	9	0.10	150	P2	TWD	8	012	-0.39	LTE	UTE	WAR		80	INLET	510XB
130	14	0.12	139	P2	TWD	10	012	-0.39	LTE	UTE	WAR	5	106	INLET	510XB
		0.07	135	P2	TWD	6	012	+0.21	LTE	UTE	WAR	4	106	INLET	510XB
130	16	0.13	152	P2	TWD	10	014	-0.47	LTE	UTE	WAR		106	INLET	510XB
		0.22	137	P2	TWD	16	014	+0.16	LTE	UTE	WAR		106	INLET	510XB
130	26	0.24	143	P2	TWD	17	014	+0.00	LTE	UTE	WAR		106	INLET	510XB
130	28	0.27	140	P2	TWD	19	010	+0.21	LTE	UTE	WAR		106	INLET	510XB
130	43	0.07	156	P2	TWD	6	010	+0.16	LTE	UTE	WAR		108	INLET	510XB
130	47	0.08	108	P2	TWD	7	012	-0.60	LTE	UTE	WAR	5	144	INLET	510XB
130	72	0.05	156	P2	TWD	5	012	+0.16	LTE	UTE	WAR		144	INLET	510XB
130	83	0.11	155	P2	TWD	9	009	-0.42	LTE	UTE	WAR		122	INLET	510XB
		0.10	130	P2	TWD	8	011	+0.26	LTE	UTE	WAR		122	INLET	510XB
130	84	0.26	136	P2	TWD	19	010	-0.39	LTE	UTE	WAR		120	INLET	510XB
130	89	0.06	148	P2	TWD	5	010	-0.34	LTE	UTE	WAR		122	INLET	510XB
130	92	0.08	143	P2	TWD	7	013	+0.34	LTE	UTE	WAR		120	INLET	510XB
131	4	0.06	152	P2	TWD	5	012	-0.31	LTE	UTE	WAR		80	INLET	510XB
131	5	0.14	140	P2	TWD	10	012	+0.29	LTE	UTE	WAR		78	INLET	510XB
131	7	0.08	143	P2	TWD	7	012	-0.47	LTE	UTE	WAR		78	INLET	510XB
131	8	0.12	140	P2	TWD	9	012	-0.39	LTE	UTE	WAR		80	INLET	510XB
		0.09	151	P2	TWD	7	012	+0.26	LTE	UTE	WAR		80	INLET	510XB
131	11	0.18	144	P2	TWD	13	014	-0.41	LTE	UTE	WAR		78	INLET	510XB
131	12	0.10	153	P2	TWD	8	012	-0.42	LTE	UTE	WAR		108	INLET	510XB
		0.09	134	P2	TWD	7	012	+0.21	LTE	UTE	WAR	3	108	INLET	510XB
131	13	0.03	90	P2	TWD	3	013	+0.70	LTE	UTE	WAR	3	106	INLET	510XB
		0.07	144	P2	TWD	6	013	-0.54	LTE	UTE	WAR	4	106	INLET	510XB
131	34	0.17	142	P2	TWD	13	010	+0.16	LTE	UTE	WAR		108	INLET	510XB
131	39	0.20	135	P2	TWD	15	014	-0.70	LTE	UTE	WAR		106	INLET	510XB
		0.09	151	P2	TWD	7	014	+0.03	LTE	UTE	WAR		106	INLET	510XB
131	43	0.05	145	P2	TWD	4	010	+0.18	LTE	UTE	WAR		106	INLET	510XB
131	44	0.05	150	P2	TWD	4	011	+0.13	LTE	UTE	WAR	0	108	INLET	510XB
131	47	0.11	137	P2	TWD	10	012	-0.65	LTE	UTE	WAR		146	INLET	510XB
131	50	0.08	47	P2	TWD	7	012	-0.62	LTE	UTE	WAR	3	144	INLET	510XB
131	53	0.09	139	P2	TWD	8	014	-0.65	LTE	UTE	WAR		146	INLET	510XB
		0.11	127	P2	TWD	10	014	+0.05	LTE	UTE	WAR		146	INLET	510XB
		0.04	163	P2	TWD	4	013	+0.05	LTE	UTE	WAR		146	INLET	510XB
131	66	0.08	134	P2	TWD	7	012	-0.55	LTE	UTE	WAR	4	144	INLET	510XB
131	70	0.08	122	P2	TWD	7	011	-0.55	LTE	UTE	WAR	0	144	INLET	510XB
131	79	0.15	148	P2	TWD	12	014	-0.50	LTE	UTE	WAR		120	INLET	510XB
		0.12	150	P2	TWD	10	014	+0.24	LTE	UTE	WAR		120	INLET	510XB
131	80	0.12	148	P2	TWD	10	012	-0.39	LTE	UTE	WAR		122	INLET	510XB
131	85	0.09	116	P2	TWD	7	010	-0.31	LTE	UTE	WAR		120	INLET	510XB
132	1	0.11	145	P2	TWD	9	013	-0.37	LTE	UTE	WAR		80	INLET	510XB
132	4	0.07	129	P2	TWD	6	012	+0.28	LTE	UTE	WAR		78	INLET	510XB
132	8	0.14	138	P2	TWD	10	012	-0.39	LTE	UTE	WAR		78	INLET	510XB
		0.25	136	P2	TWD	17	012	+0.28	LTE	UTE	WAR		78	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
132	15	0.13	150	P2	TWD	11	014	-0.37	LTE	UTE	WAR	3	108	INLET	510XB
		0.04	137	P2	TWD	4	014	+0.13	LTE	UTE	WAR	4	108	INLET	510XB
132	18	0.26	137	P2	TWD	18	014	-0.57	LTE	UTE	WAR		106	INLET	510XB
		0.07	154	P2	TWD	6	014	+0.08	LTE	UTE	WAR		106	INLET	510XB
132	36	0.07	97	P2	TWD	6	012	-0.57	LTE	UTE	WAR	5	106	INLET	510XB
132	43	0.14	112	P2	TWD	11	012	-0.57	LTE	UTE	WAR		108	INLET	510XB
132	47	0.16	134	P2	TWD	13	012	-0.65	LTE	UTE	WAR		146	INLET	510XB
		0.07	148	P2	TWD	6	012	+0.08	LTE	UTE	WAR		146	INLET	510XB
132	52	0.07	136	P2	TWD	7	011	-0.42	LTE	UTE	WAR	4	144	INLET	510XB
132	54	0.11	106	P2	TWD	9	012	-0.60	LTE	UTE	WAR		144	INLET	510XB
132	69	0.17	142	P2	TWD	14	012	-0.55	LTE	UTE	WAR		146	INLET	510XB
132	71	0.14	138	P2	TWD	11	012	-0.52	LTE	UTE	WAR		146	INLET	510XB
132	72	0.14	132	P2	TWD	11	012	-0.52	LTE	UTE	WAR		144	INLET	510XB
132	80	0.07	131	P2	TWD	6	009	-0.42	LTE	UTE	WAR	3	120	INLET	510XB
		0.07	131	P2	TWD	6	010	-0.39	LTE	UTE	WAR	4	120	INLET	510XB
132	81	0.07	147	P2	TWD	6	010	-0.37	LTE	UTE	WAR		122	INLET	510XB
132	82	0.07	83	P2	TWD	6	010	-0.34	LTE	UTE	WAR	0	120	INLET	510XB
133	2	0.09	156	P2	TWD	7	012	+0.29	LTE	UTE	WAR		80	INLET	510XB
133	3	0.10	148	P2	TWD	8	012	-0.34	LTE	UTE	WAR		78	INLET	510XB
133	6	0.19	144	P2	TWD	14	012	+0.13	LTE	UTE	WAR		80	INLET	510XB
133	7	0.18	146	P2	TWD	13	012	+0.28	LTE	UTE	WAR		78	INLET	510XB
133	10	0.09	143	P2	TWD	8	014	-0.42	LTE	UTE	WAR		108	INLET	510XB
133	12	0.20	146	P2	TWD	15	012	+0.21	LTE	UTE	WAR		108	INLET	510XB
133	14	0.16	143	P2	TWD	13	014	-0.50	LTE	UTE	WAR		108	INLET	510XB
		0.20	145	P2	TWD	15	014	+0.03	LTE	UTE	WAR		108	INLET	510XB
133	18	0.08	141	P2	TWD	6	013	-0.55	LTE	UTE	WAR	5	108	INLET	510XB
133	21	0.09	151	P2	TWD	7	012	-0.52	LTE	UTE	WAR		106	INLET	510XB
133	26	0.16	143	P2	TWD	12	014	+0.03	LTE	UTE	WAR		108	INLET	510XB
		0.07	121	P2	TWD	6	014	-0.60	LTE	UTE	WAR	0	108	INLET	510XB
		0.10	146	P2	TWD	8	012	-0.52	LTE	UTE	WAR	0	108	INLET	510XB
133	31	0.11	133	P2	TWD	9	014	-0.65	LTE	UTE	WAR		106	INLET	510XB
133	39	0.08	107	P2	TWD	7	015	-0.65	LTE	UTE	WAR		106	INLET	510XB
		0.06	151	P2	TWD	5	015	+0.08	LTE	UTE	WAR		106	INLET	510XB
133	68	0.21	133	P2	TWD	16	014	-0.58	LTE	UTE	WAR		144	INLET	510XB
		0.15	150	P2	TWD	12	014	+0.16	LTE	UTE	WAR		144	INLET	510XB
133	69	0.15	145	P2	TWD	12	014	+0.16	LTE	UTE	WAR		146	INLET	510XB
134	2	0.12	122	P2	TWD	9	011	-0.23	LTE	UTE	WAR		78	INLET	510XB
134	8	0.09	145	P2	TWD	7	012	+0.26	LTE	UTE	WAR		78	INLET	510XB
134	10	0.11	130	P2	TWD	9	012	+0.26	LTE	UTE	WAR		106	INLET	510XB
134	13	0.08	153	P2	TWD	7	010	+0.63	LTE	UTE	WAR		108	INLET	510XB
134	21	0.08	145	P2	TWD	6	012	-0.45	LTE	UTE	WAR		108	INLET	510XB
134	43	0.09	127	P2	TWD	8	012	-0.60	LTE	UTE	WAR	0	144	INLET	510XB
134	52	0.07	134	P2	TWD	7	011	-0.42	LTE	UTE	WAR	5	144	INLET	510XB
134	66	0.11	127	P2	TWD	10	012	-0.52	LTE	UTE	WAR		144	INLET	510XB
		0.05	145	P2	TWD	4	012	+0.29	LTE	UTE	WAR		144	INLET	510XB
134	77	0.06	149	P2	TWD	5	010	-0.34	LTE	UTE	WAR		122	INLET	510XB
		0.07	136	P2	TWD	6	012	+0.29	LTE	UTE	WAR		122	INLET	510XB
134	85	0.10	119	P2	TWD	8	006	-0.26	LTE	UTE	WAR		122	INLET	510XB
135	5	0.08	145	P2	TWD	7	012	+0.26	LTE	UTE	WAR	5	78	INLET	510XB
135	6	0.09	151	P2	TWD	8	012	+0.31	LTE	UTE	WAR		80	INLET	510XB
135	7	0.10	137	P2	TWD	8	014	-0.36	LTE	UTE	WAR	5	78	INLET	510XB
		0.06	156	P2	TWD	5	014	+0.21	LTE	UTE	WAR	3	78	INLET	510XB
135	14	0.11	153	P2	TWD	9	012	+0.21	LTE	UTE	WAR		108	INLET	510XB
135	43	0.12	143	P2	TWD	10	014	+0.16	LTE	UTE	WAR		146	INLET	510XB
135	44	0.06	129	P2	TWD	6	015	-0.60	LTE	UTE	WAR	0	144	INLET	510XB
135	56	0.08	136	P2	TWD	7	012	+0.26	LTE	UTE	WAR	3	144	INLET	510XB
		0.08	152	P2	TWD	7	014	+0.10	LTE	UTE	WAR	4	144	INLET	510XB
135	67	0.17	141	P2	TWD	14	012	-0.47	LTE	UTE	WAR		146	INLET	510XB
135	74	0.10	152	P2	TWD	9	012	-0.42	LTE	UTE	WAR		144	INLET	510XB
135	75	0.08	119	P2	TWD	7	010	-0.36	LTE	UTE	WAR		120	INLET	510XB
		0.10	141	P2	TWD	9	012	-0.39	LTE	UTE	WAR		120	INLET	510XB
		0.06	156	P2	TWD	5	012	+0.31	LTE	UTE	WAR	3	120	INLET	510XB
136	1	1.75	100	18	VOL		015	-0.39	015	015	WAR		79	INLET	510XP
		0.29	137	P2	TWD	20	015	-0.37	LTE	UTE	WAR		80	INLET	510XB
136	9	0.10	149	P2	TWD	9	014	-0.39	LTE	UTE	WAR		112	INLET	510XB
		0.14	148	P2	TWD	11	014	+0.21	LTE	UTE	WAR		112	INLET	510XB
136	10	0.09	141	P2	TWD	7	012	-0.39	LTE	UTE	WAR	4	110	INLET	510XB
		0.07	152	P2	TWD	6	012	+0.26	LTE	UTE	WAR	2	110	INLET	510XB
136	11	2.92	98	150	VOL		014	-0.50	014	014	WAR		111	INLET	510XP
		3.27	95	102	VOL		013	-0.47	013	013	WAR		111	INLET	510XP
		0.64	134	P2	TWD	34	013	-0.47	LTE	UTE	WAR		112	INLET	510XB
		0.40	142	P2	TWD	26	014	-0.42	LTE	UTE	WAR		112	INLET	510XB
		0.12	149	P2	TWD	10	014	+0.18	LTE	UTE	WAR		112	INLET	510XB
		0.14	145	P2	TWD	11	013	+0.24	LTE	UTE	WAR		112	INLET	510XB
136	12	0.21	141	P2	TWD	15	012	+0.26	LTE	UTE	WAR		110	INLET	510XB
136	14	0.06	150	P2	TWD	5	014	+0.18	LTE	UTE	WAR	5	110	INLET	510XB
136	32	0.11	140	P2	TWD	9	012	-0.55	LTE	UTE	WAR		110	INLET	510XB
		0.18	142	P2	TWD	13	012	+0.16	LTE	UTE	WAR		110	INLET	510XB
136	39	0.06	156	P2	TWD	5	012	+0.13	LTE	UTE	WAR	3	108	INLET	510XB
136	42	0.06	153	P2	TWD	5	012	+0.16	LTE	UTE	WAR	0	144	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
136	64	0.14	141	P2	TWD	12	009	-0.47	LTE	UTE	WAR		144	INLET	510XB
136	69	0.11	149	P2	TWD	10	009	-0.42	LTE	UTE	WAR	3	146	INLET	510XB
		0.07	148	P2	TWD	7	012	-0.47	LTE	UTE	WAR	3	146	INLET	510XB
136	71	0.25	142	P2	TWD	18	012	-0.44	LTE	UTE	WAR		146	INLET	510XB
136	74	0.09	145	P2	TWD	8	010	-0.34	LTE	UTE	WAR		120	INLET	510XB
137	7	0.07	126	P2	TWD	6	012	-0.37	LTE	UTE	WAR	4	110	INLET	510XB
137	8	0.08	155	P2	TWD	7	014	-0.39	LTE	UTE	WAR		112	INLET	510XB
137	11	0.13	138	P2	TWD	10	012	+0.23	LTE	UTE	WAR		110	INLET	510XB
		0.07	140	P2	TWD	6	012	-0.39	LTE	UTE	WAR	3	110	INLET	510XB
137	12	0.17	149	P2	TWD	14	012	-0.42	LTE	UTE	WAR		112	INLET	510XB
137	15	0.09	153	P2	TWD	7	012	-0.42	LTE	UTE	WAR		110	INLET	510XB
		0.18	132	P2	TWD	13	012	+0.18	LTE	UTE	WAR		110	INLET	510XB
137	22	0.16	148	P2	TWD	13	014	+0.03	LTE	UTE	WAR		112	INLET	510XB
137	24	0.11	139	P2	TWD	9	014	-0.55	LTE	UTE	WAR		112	INLET	510XB
		0.15	144	P2	TWD	12	014	+0.18	LTE	UTE	WAR		112	INLET	510XB
137	38	0.08	146	P2	TWD	7	012	-0.52	LTE	UTE	WAR		112	INLET	510XB
		0.13	141	P2	TWD	11	012	+0.21	LTE	UTE	WAR	4	112	INLET	510XB
137	63	0.15	148	P2	TWD	12	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
		0.15	136	P2	TWD	12	012	-0.44	LTE	UTE	WAR		150	INLET	510XB
137	68	0.06	152	P2	TWD	5	010	-0.34	LTE	UTE	WAR	3	148	INLET	510XB
137	69	3.21	112	86	VOL		010	-0.34	010	010	WAR		149	INLET	510XP
		1.09	127	P2	TWD	44	010	-0.34	LTE	UTE	WAR	LAR	150	INLET	510XB
137	70	0.08	144	P2	TWD	7	012	-0.36	LTE	UTE	WAR	4	148	INLET	510XB
137	73	0.06	148	P2	TWD	5	010	-0.29	LTE	UTE	WAR	3	120	INLET	510XB
137	77	0.08	141	P2	TWD	7	011	+0.39	LTE	UTE	WAR	7	120	INLET	510XB
138	2	0.06	149	P2	TWD	5	013	-0.41	LTE	UTE	WAR	3	78	INLET	510XB
138	4	0.09	138	P2	TWD	7	012	+0.33	LTE	UTE	WAR		78	INLET	510XB
138	9	0.08	129	P2	TWD	7	012	-0.39	LTE	UTE	WAR		110	INLET	510XB
		0.06	147	P2	TWD	5	012	+0.29	LTE	UTE	WAR	0	110	INLET	510XB
138	10	0.05	161	P2	TWD	4	014	-0.45	LTE	UTE	WAR		112	INLET	510XB
138	15	0.05	158	P2	TWD	5	012	-0.39	LTE	UTE	WAR		110	INLET	510XB
138	16	0.10	152	P2	TWD	8	012	-0.42	LTE	UTE	WAR		112	INLET	510XB
		0.15	146	P2	TWD	12	013	+0.24	LTE	UTE	WAR		112	INLET	510XB
		0.09	146	P2	TWD	8	012	+0.18	LTE	UTE	WAR	0	112	INLET	510XB
138	23	0.13	143	P2	TWD	10	014	+0.10	LTE	UTE	WAR		110	INLET	510XB
138	34	0.08	148	P2	TWD	7	012	-0.52	LTE	UTE	WAR		112	INLET	510XB
		0.10	138	P2	TWD	9	012	+0.13	LTE	UTE	WAR	5	112	INLET	510XB
138	57	0.16	148	P2	TWD	12	012	-0.47	LTE	UTE	WAR		148	INLET	510XB
		0.22	144	P2	TWD	16	014	-0.52	LTE	UTE	WAR		148	INLET	510XB
		0.25	142	P2	TWD	17	014	+0.21	LTE	UTE	WAR		148	INLET	510XB
		0.09	140	P2	TWD	7	012	+0.21	LTE	UTE	WAR	0	148	INLET	510XB
138	59	0.07	154	P2	TWD	6	012	+0.34	LTE	UTE	WAR		148	INLET	510XB
		0.15	136	P2	TWD	11	014	+0.21	LTE	UTE	WAR		148	INLET	510XB
		0.05	158	P2	TWD	4	009	-0.44	LTE	UTE	WAR		148	INLET	510XB
		0.13	117	P2	TWD	10	014	-0.52	LTE	UTE	WAR	5	148	INLET	510XB
138	61	0.15	143	P2	TWD	12	012	-0.44	LTE	UTE	WAR		148	INLET	510XB
138	66	0.17	142	P2	TWD	14	012	-0.42	LTE	UTE	WAR		150	INLET	510XB
138	67	0.15	148	P2	TWD	11	010	-0.34	LTE	UTE	WAR		148	INLET	510XB
138	69	0.14	148	P2	TWD	11	010	-0.34	LTE	UTE	WAR		148	INLET	510XB
138	70	1.17	108	110	VOL		012	-0.32	012	012	WAR		149	INLET	510XP
		0.12	137	P2	TWD	10	010	-0.31	LTE	UTE	WAR		150	INLET	510XB
		0.35	138	P2	TWD	24	012	-0.37	LTE	UTE	WAR		150	INLET	510XB
138	72	0.16	130	P2	TWD	12	010	-0.29	LTE	UTE	WAR		122	INLET	510XB
139	7	0.13	138	P2	TWD	10	012	+0.29	LTE	UTE	WAR		110	INLET	510XB
139	8	0.08	143	P2	TWD	7	012	-0.34	LTE	UTE	WAR		112	INLET	510XB
		0.07	156	P2	TWD	6	012	+0.26	LTE	UTE	WAR	0	112	INLET	510XB
139	10	0.14	149	P2	TWD	12	012	-0.37	LTE	UTE	WAR		112	INLET	510XB
		0.10	147	P2	TWD	9	012	+0.23	LTE	UTE	WAR	3	112	INLET	510XB
139	11	0.09	147	P2	TWD	7	012	+0.26	LTE	UTE	WAR	4	110	INLET	510XB
139	14	0.19	149	P2	TWD	14	014	+0.18	LTE	UTE	WAR		112	INLET	510XB
139	17	0.17	141	P2	TWD	13	012	-0.42	LTE	UTE	WAR		110	INLET	510XB
		0.13	145	P2	TWD	10	012	+0.26	LTE	UTE	WAR	4	110	INLET	510XB
139	42	0.11	142	P2	TWD	9	014	+0.21	LTE	UTE	WAR		148	INLET	510XB
139	43	0.09	149	P2	TWD	8	014	+0.18	LTE	UTE	WAR	0	150	INLET	510XB
139	49	0.20	145	P2	TWD	16	014	-0.52	LTE	UTE	WAR	0	150	INLET	510XB
139	51	0.10	135	P2	TWD	9	012	-0.50	LTE	UTE	WAR		150	INLET	510XB
139	54	0.11	149	P2	TWD	9	011	-0.36	LTE	UTE	WAR	5	148	INLET	510XB
139	57	0.10	150	P2	TWD	9	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
139	58	0.06	160	P2	TWD	5	011	-0.36	LTE	UTE	WAR	5	148	INLET	510XB
139	60	0.08	153	P2	TWD	6	014	+0.24	LTE	UTE	WAR	4	148	INLET	510XB
		0.16	151	P2	TWD	12	014	-0.50	LTE	UTE	WAR		148	INLET	510XB
139	61	0.06	136	P2	TWD	5	011	+0.03	LTE	UTE	WAR		150	INLET	510XB
139	64	0.07	144	P2	TWD	6	014	+0.29	LTE	UTE	WAR		148	INLET	510XB
		0.06	159	P2	TWD	5	010	-0.39	LTE	UTE	WAR	4	148	INLET	510XB
139	65	0.80	107	86	VOL		010	-0.34	010	010	WAR		149	INLET	510XP
		0.36	136	P2	TWD	24	010	-0.36	LTE	UTE	WAR		150	INLET	510XB
139	71	0.11	136	P2	TWD	10	010	-0.29	LTE	UTE	WAR		120	INLET	510XB
139	74	0.16	140	P2	TWD	12	015	+0.68	LTE	UTE	WAR		122	INLET	510XB
140	1	0.13	73	P2	TWD	10	010	+0.70	LTE	UTE	WAR		80	INLET	510XB
140	7	0.39	82	P11	VOL		014	-0.39	014	014	WAR	LAR	109	INLET	510XP

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.20	144	P3	TWD	15	014	-0.39	LTE	UTE	WAR	8	110	INLET	510XB
140	11	0.19	146	P2	TWD	14	012	+0.29	LTE	UTE	WAR		110	INLET	510XB
140	14	0.18	150	P2	TWD	14	014	+0.21	LTE	UTE	WAR		112	INLET	510XB
		0.12	151	P2	TWD	10	012	-0.45	LTE	UTE	WAR		112	INLET	510XB
		0.08	152	P2	TWD	7	012	+0.21	LTE	UTE	WAR	0	112	INLET	510XB
140	15	0.12	142	P2	TWD	9	012	-0.37	LTE	UTE	WAR	0	110	INLET	510XB
140	16	0.98	112	86	VOL		012	+0.24	012	012	WAR		111	INLET	510XP
		0.31	144	P2	TWD	21	012	+0.21	LTE	UTE	WAR		112	INLET	510XB
		0.15	151	P2	TWD	12	014	+0.13	LTE	UTE	WAR		112	INLET	510XB
		0.08	152	P2	TWD	7	014	-0.55	LTE	UTE	WAR	0	112	INLET	510XB
140	35	0.08	146	P2	TWD	7	014	+0.16	LTE	UTE	WAR	4	110	INLET	510XB
140	36	0.11	146	P2	TWD	9	012	-0.49	LTE	UTE	WAR		148	INLET	510XB
140	43	0.21	137	P2	TWD	15	013	-0.57	LTE	UTE	WAR		148	INLET	510XB
		0.11	149	P2	TWD	9	014	-0.52	LTE	UTE	WAR		148	INLET	510XB
		0.09	149	P2	TWD	7	014	+0.10	LTE	UTE	WAR		148	INLET	510XB
		0.04	153	P2	TWD	3	013	+0.21	LTE	UTE	WAR		148	INLET	510XB
140	47	0.09	157	P2	TWD	7	009	-0.41	LTE	UTE	WAR		148	INLET	510XB
140	49	0.09	139	P2	TWD	7	011	+0.26	LTE	UTE	WAR		152	INLET	510XB
		0.11	144	P2	TWD	9	012	-0.44	LTE	UTE	WAR		152	INLET	510XB
		0.13	139	P2	TWD	10	011	-0.39	LTE	UTE	WAR	5	152	INLET	510XB
140	51	0.04	162	P2	TWD	3	009	-0.44	LTE	UTE	WAR		148	INLET	510XB
140	52	0.18	147	P2	TWD	14	014	-0.52	LTE	UTE	WAR		150	INLET	510XB
140	54	0.15	141	P2	TWD	12	014	+0.18	LTE	UTE	WAR		150	INLET	510XB
140	55	1.82	98	6	VOL		014	-0.47	014	014	WAR		147	INLET	510XP
		0.38	140	P2	TWD	24	014	-0.47	LTE	UTE	WAR		148	INLET	510XB
140	56	0.27	140	P2	TWD	19	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
		0.09	150	P2	TWD	8	012	-0.42	LTE	UTE	WAR		150	INLET	510XB
		0.16	140	P2	TWD	13	012	+0.26	LTE	UTE	WAR		150	INLET	510XB
140	65	0.04	158	P2	TWD	3	010	-0.34	LTE	UTE	WAR		148	INLET	510XB
141	3	0.06	158	P2	TWD	5	013	+0.31	LTE	UTE	WAR	2	112	INLET	510XB
141	9	0.25	144	P2	TWD	18	012	+0.26	LTE	UTE	WAR		112	INLET	510XB
141	10	0.12	144	P2	TWD	9	012	+0.29	LTE	UTE	WAR	5	110	INLET	510XB
141	14	0.08	149	P2	TWD	6	014	-0.44	LTE	UTE	WAR	4	110	INLET	510XB
141	16	0.11	141	P2	TWD	9	014	-0.49	LTE	UTE	WAR	4	110	INLET	510XB
141	18	2.50	25	P7	VOL		014	-0.50	014	014	WAR		109	INLET	510XP
		0.48	130	P2	TWD	28	014	-0.49	LTE	UTE	WAR		110	INLET	510XB
		0.10	143	P2	TWD	8	014	+0.26	LTE	UTE	WAR		110	INLET	510XB
141	21	0.15	145	P2	TWD	12	014	-0.47	LTE	UTE	WAR		112	INLET	510XB
		0.13	148	P2	TWD	11	014	+0.26	LTE	UTE	WAR		112	INLET	510XB
141	32	0.17	144	P2	TWD	13	014	-0.52	LTE	UTE	WAR		110	INLET	510XB
141	44	1.52	103	122	VOL		014	-0.50	014	014	WAR		149	INLET	510XP
		0.32	136	P2	TWD	22	014	-0.50	LTE	UTE	WAR		150	INLET	510XB
141	45	2.15	103	22	VOL		009	-0.47	009	009	WAR		147	INLET	510XP
		0.35	139	P2	TWD	22	009	-0.47	LTE	UTE	WAR		148	INLET	510XB
141	46	0.10	150	P2	TWD	8	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
		0.14	152	P2	TWD	12	012	-0.47	LTE	UTE	WAR	0	150	INLET	510XB
141	48	0.08	152	P2	TWD	7	009	-0.44	LTE	UTE	WAR		150	INLET	510XB
141	51	0.15	155	P2	TWD	11	009	-0.41	LTE	UTE	WAR		148	INLET	510XB
		0.06	153	P2	TWD	5	011	-0.34	LTE	UTE	WAR	4	148	INLET	510XB
141	52	0.26	144	P2	TWD	19	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
141	53	0.14	143	P2	TWD	11	009	-0.44	LTE	UTE	WAR		148	INLET	510XB
141	54	1.42	106	118	VOL		012	-0.47	012	012	WAR		149	INLET	510XP
		1.71	102	146	VOL		014	-0.47	014	014	WAR		149	INLET	510XP
		0.17	153	P2	TWD	14	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
		0.32	141	P2	TWD	22	012	-0.44	LTE	UTE	WAR		150	INLET	510XB
		0.41	137	P2	TWD	26	014	-0.47	LTE	UTE	WAR		150	INLET	510XB
		0.23	147	P2	TWD	17	014	+0.24	LTE	UTE	WAR		150	INLET	510XB
141	55	0.11	149	P2	TWD	9	012	-0.42	LTE	UTE	WAR		148	INLET	510XB
		0.12	155	P2	TWD	9	014	+0.26	LTE	UTE	WAR		148	INLET	510XB
		0.15	150	P2	TWD	12	014	-0.44	LTE	UTE	WAR	5	148	INLET	510XB
141	56	0.17	144	P2	TWD	14	012	-0.42	LTE	UTE	WAR		150	INLET	510XB
141	58	0.94	116	62	VOL		010	-0.36	010	010	WAR		149	INLET	510XP
		1.05	107	110	VOL		012	-0.36	012	012	WAR		149	INLET	510XP
		0.29	141	P2	TWD	21	010	-0.36	LTE	UTE	WAR		150	INLET	510XB
		0.33	144	P2	TWD	23	012	-0.39	LTE	UTE	WAR		150	INLET	510XB
141	68	0.12	151	P2	TWD	9	012	+0.39	LTE	UTE	WAR	4	122	INLET	510XB
142	1	0.72	52	62	VOL		014	-0.29	014	014	WAR	LAR	111	INLET	510XP
		0.29	123	P3	TWD	22	014	-0.31	LTE	UTE	WAR		112	INLET	510XB
142	6	0.07	143	P2	TWD	6	012	+0.31	LTE	UTE	WAR	3	110	INLET	510XB
142	10	0.07	142	P2	TWD	6	012	-0.39	LTE	UTE	WAR	4	110	INLET	510XB
142	14	0.13	144	P2	TWD	10	014	-0.47	LTE	UTE	WAR		110	INLET	510XB
		0.08	145	P2	TWD	7	012	-0.36	LTE	UTE	WAR	2	110	INLET	510XB
142	16	0.06	136	P2	TWD	5	012	-0.39	LTE	UTE	WAR	3	110	INLET	510XB
142	24	0.06	149	P2	TWD	5	012	-0.47	LTE	UTE	WAR	3	110	INLET	510XB
142	28	2.20	27	P7	VOL		014	-0.49	014	014	WAR		109	INLET	510XP
		0.15	141	P2	TWD	12	012	+0.23	LTE	UTE	WAR		110	INLET	510XB
		0.48	137	P2	TWD	28	014	-0.49	LTE	UTE	WAR		110	INLET	510XB
142	29	0.16	151	P2	TWD	13	014	+0.16	LTE	UTE	WAR		112	INLET	510XB
142	30	0.08	142	P2	TWD	6	012	-0.47	LTE	UTE	WAR		110	INLET	510XB
		0.10	120	P2	TWD	8	012	+0.23	LTE	UTE	WAR	4	110	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
142	34	0.11	147	P2	TWD	8	008	-0.42	LTE	UTE	WAR	5	148	INLET	510XB
142	41	0.13	138	P2	TWD	11	011	+0.24	LTE	UTE	WAR		150	INLET	510XB
142	42	0.24	139	P2	TWD	17	009	-0.44	LTE	UTE	WAR		148	INLET	510XB
142	43	0.74	129	38	VOL		009	-0.36	009	009	WAR		149	INLET	510XP
		0.28	143	P2	TWD	20	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
		0.16	145	P2	TWD	13	012	-0.44	LTE	UTE	WAR		150	INLET	510XB
142	44	0.04	154	P2	TWD	3	012	-0.47	LTE	UTE	WAR		148	INLET	510XB
		0.03	153	P2	TWD	3	012	+0.23	LTE	UTE	WAR		148	INLET	510XB
142	45	0.12	148	P2	TWD	10	012	-0.42	LTE	UTE	WAR		150	INLET	510XB
142	46	0.21	145	P2	TWD	15	012	-0.42	LTE	UTE	WAR		148	INLET	510XB
		0.06	140	P2	TWD	5	014	+0.18	LTE	UTE	WAR		148	INLET	510XB
142	47	0.11	144	P2	TWD	9	012	-0.42	LTE	UTE	WAR	2	150	INLET	510XB
142	50	0.11	151	P2	TWD	9	012	-0.39	LTE	UTE	WAR		148	INLET	510XB
		0.09	135	P2	TWD	7	012	+0.29	LTE	UTE	WAR		148	INLET	510XB
142	53	0.24	141	P2	TWD	18	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
142	54	0.12	155	P2	TWD	10	012	-0.42	LTE	UTE	WAR		148	INLET	510XB
		0.11	143	P2	TWD	9	012	+0.29	LTE	UTE	WAR		148	INLET	510XB
142	55	0.26	142	P2	TWD	19	012	-0.39	LTE	UTE	WAR		150	INLET	510XB
		0.09	149	P2	TWD	8	012	+0.29	LTE	UTE	WAR		150	INLET	510XB
142	57	3.11	101	90	VOL		010	-0.39	010	010	WAR		149	INLET	510XP
		0.96	129	P2	TWD	41	010	-0.36	LTE	UTE	WAR	LAR	150	INLET	510XB
142	60	0.08	134	P2	TWD	6	001	-0.26	LTE	UTE	WAR		148	INLET	510XB
		0.22	145	P2	TWD	16	013	-0.39	LTE	UTE	WAR		148	INLET	510XB
142	62	0.04	133	P2	TWD	4	001	-0.26	LTE	UTE	WAR		148	INLET	510XB
143	8	0.09	148	P2	TWD	7	012	+0.39	LTE	UTE	WAR	4	110	INLET	510XB
143	10	0.08	118	P2	TWD	6	012	-0.36	LTE	UTE	WAR		110	INLET	510XB
143	12	0.10	138	P2	TWD	8	013	-0.44	LTE	UTE	WAR		110	INLET	510XB
		0.08	146	P2	TWD	6	012	+0.34	LTE	UTE	WAR	3	110	INLET	510XB
143	15	0.22	143	P2	TWD	16	014	-0.42	LTE	UTE	WAR		112	INLET	510XB
		0.11	143	P2	TWD	9	014	+0.29	LTE	UTE	WAR		112	INLET	510XB
143	19	0.10	147	P2	TWD	9	014	-0.42	LTE	UTE	WAR		112	INLET	510XB
		0.20	143	P2	TWD	15	014	+0.29	LTE	UTE	WAR		112	INLET	510XB
143	33	1.81	107	122	VOL		014	-0.47	014	014	WAR		149	INLET	510XP
		0.08	154	P2	TWD	7	012	+0.31	LTE	UTE	WAR		150	INLET	510XB
		0.15	145	P2	TWD	13	013	-0.50	LTE	UTE	WAR		150	INLET	510XB
		0.39	139	P2	TWD	26	014	-0.47	LTE	UTE	WAR		150	INLET	510XB
143	39	0.19	150	P2	TWD	15	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
143	40	0.19	145	P2	TWD	14	009	-0.41	LTE	UTE	WAR		148	INLET	510XB
143	46	0.06	153	P2	TWD	5	012	-0.42	LTE	UTE	WAR		148	INLET	510XB
143	48	0.11	156	P2	TWD	8	010	-0.39	LTE	UTE	WAR		148	INLET	510XB
143	51	0.10	135	P2	TWD	8	011	-0.31	LTE	UTE	WAR	0	150	INLET	510XB
143	53	1.42	119	62	VOL		010	-0.34	010	010	WAR		149	INLET	510XP
		0.38	140	P2	TWD	25	010	-0.34	LTE	UTE	WAR		150	INLET	510XB
143	54	6.50	90	46	VOL		010	-0.41	010	010	WAR		147	INLET	510XP
		0.25	144	P2	TWD	17	012	-0.36	LTE	UTE	WAR		148	INLET	510XB
		1.77	124	P2	TWD	52	010	-0.36	LTE	UTE	WAR	LAR	148	INLET	510XB
143	55	0.12	149	P2	TWD	11	010	-0.34	LTE	UTE	WAR		150	INLET	510XB
		0.12	151	P2	TWD	10	012	-0.37	LTE	UTE	WAR		150	INLET	510XB
144	7	0.13	151	P2	TWD	11	012	+0.31	LTE	UTE	WAR		112	INLET	510XB
144	8	0.16	138	P2	TWD	12	012	-0.36	LTE	UTE	WAR		110	INLET	510XB
144	9	0.09	156	P2	TWD	8	012	+0.31	LTE	UTE	WAR		112	INLET	510XB
144	13	0.06	158	P2	TWD	5	012	-0.39	LTE	UTE	WAR		112	INLET	510XB
		0.10	148	P2	TWD	9	012	+0.26	LTE	UTE	WAR		112	INLET	510XB
144	16	0.11	132	P2	TWD	9	012	+0.26	LTE	UTE	WAR		110	INLET	510XB
		0.07	138	P2	TWD	6	011	+0.31	LTE	UTE	WAR	3	110	INLET	510XB
144	18	1.18	114	162	VOL		014	+0.16	014	014	WAR		109	INLET	510XP
		0.11	138	P2	TWD	9	012	-0.39	LTE	UTE	WAR		110	INLET	510XB
		0.29	137	P2	TWD	20	014	+0.21	LTE	UTE	WAR		110	INLET	510XB
144	21	0.05	131	P2	TWD	5	009	-0.39	LTE	UTE	WAR		112	INLET	510XB
144	22	0.13	139	P2	TWD	10	009	-0.39	LTE	UTE	WAR		110	INLET	510XB
144	23	0.14	149	P2	TWD	11	009	-0.39	LTE	UTE	WAR		112	INLET	510XB
144	24	0.15	138	P2	TWD	12	009	-0.39	LTE	UTE	WAR		110	INLET	510XB
144	29	0.10	148	P2	TWD	8	014	+0.18	LTE	UTE	WAR		148	INLET	510XB
144	31	0.07	142	P2	TWD	6	009	-0.44	LTE	UTE	WAR		150	INLET	510XB
144	33	0.10	143	P2	TWD	8	014	+0.21	LTE	UTE	WAR	6	150	INLET	510XB
144	36	0.06	151	P2	TWD	5	009	-0.41	LTE	UTE	WAR		148	INLET	510XB
144	37	0.16	143	P2	TWD	13	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
		0.08	151	P2	TWD	7	011	+0.29	LTE	UTE	WAR		150	INLET	510XB
144	45	0.09	147	P2	TWD	8	012	-0.39	LTE	UTE	WAR		150	INLET	510XB
144	47	0.06	160	P2	TWD	5	012	-0.39	LTE	UTE	WAR	3	150	INLET	510XB
144	49	0.09	145	P2	TWD	8	012	-0.37	LTE	UTE	WAR		150	INLET	510XB
144	50	0.15	139	P2	TWD	11	012	-0.36	LTE	UTE	WAR		148	INLET	510XB
		0.20	153	P2	TWD	14	010	-0.34	LTE	UTE	WAR	4	148	INLET	510XB
144	51	4.12	99	90	VOL		010	-0.39	010	010	WAR		149	INLET	510XP
		0.14	143	P2	TWD	11	010	+0.03	LTE	UTE	WAR	3	150	INLET	510XB
		1.56	125	P2	TWD	50	010	-0.34	LTE	UTE	WAR	LAR	150	INLET	510XB
144	52	0.06	159	P2	TWD	5	012	-0.34	LTE	UTE	WAR		148	INLET	510XB
144	53	0.08	144	P2	TWD	7	012	-0.31	LTE	UTE	WAR	0	150	INLET	510XB
145	13	0.18	146	P2	TWD	14	010	+0.65	LTE	UTE	WAR		112	INLET	510XB
145	14	0.07	146	P2	TWD	6	014	-0.41	LTE	UTE	WAR		110	INLET	510XB

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
145	16	0.12	135	P2	TWD	9	014	-0.47	LTE	UTE	WAR		110	INLET	510XB
145	17	2.84	102	150	VOL		014	-0.50	014	014	WAR		111	INLET	510XP
		0.15	142	P2	TWD	12	011	-0.34	LTE	UTE	WAR		112	INLET	510XB
		0.13	148	P2	TWD	11	012	-0.39	LTE	UTE	WAR		112	INLET	510XB
		0.23	146	P2	TWD	17	012	+0.34	LTE	UTE	WAR		112	INLET	510XB
		0.29	145	P2	TWD	20	014	-0.44	LTE	UTE	WAR		112	INLET	510XB
145	22	0.07	153	P2	TWD	6	012	-0.42	LTE	UTE	WAR		110	INLET	510XB
145	27	0.07	152	P2	TWD	6	014	-0.49	LTE	UTE	WAR		110	INLET	510XB
		0.14	141	P2	TWD	11	014	+0.31	LTE	UTE	WAR		110	INLET	510XB
145	29	0.05	154	P2	TWD	4	009	-0.39	LTE	UTE	WAR		150	INLET	510XB
145	35	1.93	107	66	VOL		009	-0.44	009	009	WAR		149	INLET	510XP
		0.27	138	P2	TWD	20	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
145	37	0.19	145	P2	TWD	15	009	-0.39	LTE	UTE	WAR		150	INLET	510XB
145	40	0.14	149	P2	TWD	11	012	-0.36	LTE	UTE	WAR		148	INLET	510XB
		0.18	139	P2	TWD	13	014	+0.29	LTE	UTE	WAR		148	INLET	510XB
145	47	0.15	145	P2	TWD	12	012	-0.34	LTE	UTE	WAR		150	INLET	510XB
145	48	0.23	140	P2	TWD	16	012	-0.36	LTE	UTE	WAR		148	INLET	510XB
146	12	0.15	140	P2	TWD	12	013	-0.42	LTE	UTE	WAR		112	INLET	510XB
146	15	0.22	134	P2	TWD	16	011	+0.34	LTE	UTE	WAR		110	INLET	510XB
		0.14	139	P2	TWD	11	012	-0.39	LTE	UTE	WAR		110	INLET	510XB
		0.07	143	P2	TWD	6	012	+0.39	LTE	UTE	WAR	0	110	INLET	510XB
146	16	0.14	143	P2	TWD	11	011	-0.29	LTE	UTE	WAR		112	INLET	510XB
		0.16	147	P2	TWD	13	011	+0.37	LTE	UTE	WAR		112	INLET	510XB
		0.09	161	P2	TWD	8	014	-0.42	LTE	UTE	WAR		112	INLET	510XB
146	18	0.08	149	P2	TWD	7	012	-0.39	LTE	UTE	WAR		112	INLET	510XB
146	20	0.08	156	P2	TWD	7	012	-0.34	LTE	UTE	WAR		112	INLET	510XB
146	21	0.08	146	P2	TWD	6	012	-0.39	LTE	UTE	WAR		110	INLET	510XB
146	22	0.08	154	P2	TWD	7	014	-0.47	LTE	UTE	WAR		112	INLET	510XB
146	26	0.24	141	P2	TWD	17	012	-0.37	LTE	UTE	WAR		148	INLET	510XB
146	28	0.05	148	P2	TWD	4	012	-0.44	LTE	UTE	WAR		148	INLET	510XB
146	31	0.10	150	P2	TWD	9	012	-0.39	LTE	UTE	WAR		150	INLET	510XB
146	44	0.13	143	P2	TWD	10	012	-0.36	LTE	UTE	WAR		148	INLET	510XB
146	46	0.24	139	P2	TWD	17	012	-0.34	LTE	UTE	WAR		148	INLET	510XB
146	47	0.08	153	P2	TWD	7	012	-0.34	LTE	UTE	WAR		150	INLET	510XB
147	10	0.06	73	P2	TWD	5	010	-0.26	LTE	UTE	WAR	4	110	INLET	510XB
147	13	0.17	147	P2	TWD	13	012	-0.37	LTE	UTE	WAR		112	INLET	510XB
147	15	0.14	143	P2	TWD	11	009	-0.41	LTE	UTE	WAR		112	INLET	510XB
		0.09	151	P2	TWD	8	012	-0.37	LTE	UTE	WAR		112	INLET	510XB
147	18	0.18	127	P2	TWD	13	012	-0.39	LTE	UTE	WAR		110	INLET	510XB
147	20	0.06	149	P2	TWD	5	012	-0.36	LTE	UTE	WAR		110	INLET	510XB
147	24	0.05	147	P2	TWD	4	011	-0.34	LTE	UTE	WAR		148	INLET	510XB
147	27	0.07	148	P2	TWD	6	009	-0.42	LTE	UTE	WAR	0	150	INLET	510XB
147	28	0.19	147	P2	TWD	14	014	+0.29	LTE	UTE	WAR		148	INLET	510XB
		0.09	147	P2	TWD	7	014	-0.42	LTE	UTE	WAR	4	148	INLET	510XB
147	30	0.11	129	P2	TWD	9	009	-0.39	LTE	UTE	WAR		148	INLET	510XB
147	31	0.24	144	P2	TWD	18	009	-0.39	LTE	UTE	WAR		150	INLET	510XB
147	32	0.17	142	P2	TWD	12	010	-0.39	LTE	UTE	WAR		148	INLET	510XB
147	33	0.09	138	P2	TWD	8	010	-0.34	LTE	UTE	WAR	4	150	INLET	510XB
147	34	0.19	150	P2	TWD	14	013	-0.42	LTE	UTE	WAR		148	INLET	510XB
147	42	0.17	143	P2	TWD	14	012	-0.31	LTE	UTE	WAR		150	INLET	510XB
147	43	0.05	137	P2	TWD	4	012	-0.36	LTE	UTE	WAR		148	INLET	510XB
148	1	0.13	145	P2	TWD	11	015	+0.65	LTE	UTE	WAR		116	INLET	510XB
148	4	0.10	123	P2	TWD	8	013	-0.39	LTE	UTE	WAR		114	INLET	510XB
148	8	0.08	138	P2	TWD	7	013	-0.36	LTE	UTE	WAR		114	INLET	510XB
148	13	0.07	105	P2	TWD	6	010	-0.34	LTE	UTE	WAR	4	116	INLET	510XB
148	16	0.19	144	P2	TWD	14	013	-0.41	LTE	UTE	WAR		114	INLET	510XB
148	19	0.14	146	P2	TWD	11	012	-0.37	LTE	UTE	WAR		116	INLET	510XB
148	24	0.14	148	P2	TWD	11	009	-0.39	LTE	UTE	WAR		148	INLET	510XB
148	28	0.05	162	P2	TWD	4	012	-0.34	LTE	UTE	WAR		148	INLET	510XB
148	31	0.13	138	P2	TWD	11	010	-0.34	LTE	UTE	WAR		150	INLET	510XB
148	33	0.22	138	P2	TWD	17	012	-0.37	LTE	UTE	WAR		150	INLET	510XB
148	39	0.11	148	P2	TWD	9	012	-0.31	LTE	UTE	WAR		150	INLET	510XB
148	40	0.10	142	P2	TWD	8	011	+0.36	LTE	UTE	WAR		148	INLET	510XB
		0.26	140	P2	TWD	18	012	-0.34	LTE	UTE	WAR		148	INLET	510XB
149	1	0.66	115	P15	VOL		014	-0.39	014	014	WAR	LAR	115	INLET	510XP
		0.17	133	P3	TWD	14	014	-0.39	LTE	UTE	WAR	8	116	INLET	510XB
149	2	0.10	142	P2	TWD	8	012	-0.34	LTE	UTE	WAR		114	INLET	510XB
		0.07	143	P2	TWD	6	013	-0.34	LTE	UTE	WAR		114	INLET	510XB
149	3	0.06	156	P2	TWD	5	012	+0.47	LTE	UTE	WAR		116	INLET	510XB
149	14	0.07	135	P2	TWD	6	012	-0.34	LTE	UTE	WAR		114	INLET	510XB
		0.06	140	P2	TWD	5	010	-0.26	LTE	UTE	WAR		114	INLET	510XB
149	17	0.05	149	P2	TWD	5	009	-0.41	LTE	UTE	WAR		114	INLET	510XB
149	20	0.19	147	P2	TWD	14	013	-0.39	LTE	UTE	WAR		148	INLET	510XB
149	21	0.09	135	P2	TWD	8	009	-0.42	LTE	UTE	WAR		150	INLET	510XB
149	27	1.21	100	142	VOL		013	-0.47	013	013	WAR		149	INLET	510XP
		0.11	98	P2	TWD	9	011	-0.29	LTE	UTE	WAR		150	INLET	510XB
		0.27	132	P2	TWD	20	013	-0.42	LTE	UTE	WAR		150	INLET	510XB
150	1	0.10	78	P2	TWD	9	010	+0.73	LTE	UTE	WAR		116	INLET	510XB
150	2	0.22	132	P2	TWD	17	012	-0.31	LTE	UTE	WAR		116	INLET	510XB
150	4	1.66	105	106	VOL		013	-0.39	013	013	WAR		115	INLET	510XP

Attachment 2 Service Induced Degradation

QUERY: u2sga.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.31	141	P2	TWD	22	013	-0.34	LTE	UTE	WAR		116	INLET	510XB
150	18	0.06	148	P2	TWD	5	010	-0.10	LTE	UTE	WAR	3	148	INLET	510XB

Total Tubes : 2276
Total Records: 3602