

From:
To:
Date:
Subject:

Ian Barnes
Caius V Dodd <doddcv@>
Mon, Jul 24, 2000 11:21 AM
100% TW NOTCH

EX 6

Caius,

From the numbers you have given me, set-up using a phase rotation setting of 30 degrees for a 100% TW notch produces rotation settings @300kHz of 10 degrees for a 40% TW notch and 2 degrees for a 20% TW notch. This suggests, on the surface, that ETSS # 96511, which uses a set-up of 10 degrees for a 40% TW notch, will also produce a rotation setting of ~2 degrees for a 20% TW notch.

Without further information, this bolsters a Westinghouse argument that their 1997 examination of low radius u-bends was consistent with EPRI requirements.

What can you provide me relative to the weaknesses associated with using a 100% TW notch rather than a 40% TW ID notch for set-up?

We are now aware, I believe, that ETSS 96511 is less than optimal in this regard and should have used 15 degrees. I therefore need, if possible, to further criticize the Westinghouse in addition to stating that they did not even follow their own qualification criteria.

Ian

CC: "Wayne L Schmidt" <wls@nrc.gov>

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6/45