



Media Systems

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Proposed WPXS-DT Antenna Change

We are proposing to change the WPXS-DT antenna from an array of 16 Scala PR-TV antennas to an Andrew / ERI ALP24L3-HSBR-21 slot array. The reason for the change is due to concern from Scala as to the stability of such a large array of antennas in a rather windy environment. The slot antenna has better characteristics in these situations due to lower wind loading.

The issue of exceeding coverage during the freeze has been raised. Attached is a map showing the 41 dBu contours for:

- A. Red The DTV Construction Permit when the freeze was enacted.
- B. Cyan The present Construction Permit with the Scala Antennas.
- C. Blue The proposed Construction Permit with the ERI / Andrew antenna.

As can be seen, we tried to match the presently granted construction permit as closely as possible. The presently granted construction permit covers 1,975,977. The proposed antenna pattern covers 2,037,170, so there is an added advantage of serving more people, therefore, serving more of the public.

In conclusion, we feel we meet the intent of the freeze by not increasing our coverage beyond what we were granted when the freeze was enacted. And the stability of the slot antenna means viewers will have less of a chance of varying signal strength, thus, the public will be better served.

Sincerely
Richard C Goetz
President
R & L Media Systems, Inc.

