

CONTOUR OVERLAP AND
LONGLEY-RICE INTERFERENCE STUDIES
PROPOSED LPTV STATION
CHANNEL 66 - ODESSA, TEXAS
[AMENDMENT TO BNPTTL-20000830BOA]

We conducted a computer analysis of the interference situation for the proposed facility, the results of which are shown in Exhibit B-2. The study is based on contour protection requirements of Sections 74.705, 74.706, and 74.707 of the FCC's Rules with respect to analog full-power, digital full-power, and low power television stations, respectively. It concludes that the facility proposed herein meets these requirements except to one station: an application for a new LPTV station on Channel 51 in Midland, Texas (BNPTTL-20000830BLF).

We then conducted a detailed interference study using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to the Midland proposal. The software utilizes a 2-square kilometer cell size, calculates signal strength at 1.0 kilometer increments along each radial studied, and employs the 1990 U.S. Census to count population within cells. The results of this study are provided in Exhibit B-3. It concludes that the facility proposed herein causes no significant new interference to the Midland proposal.

As a result, a waiver of Section 74.707 of the Commission's Rules with respect to interference to BNPTTL-20000830BLF is requested and believed to be justified based on the aforementioned Longley-Rice study.

SMITH AND FISHER

EXHIBIT B-2

PROPOSED LPTV STATION
CH. 66 - ODESSA TX

REFERENCE
31 47 39 N
102 35 15 W

LPTV Pwr = 20 kW, HAMS L COR= 1046 M

DISPLAY DATES
DATA 01-31-04
SEARCH 02-05-04

Channel 66+, 782 MHz

Call	Channel	Location	Dist	Azi	FCC	Margin
NEW	AP 66-	Odessa	TX 0.00	0.0	> 099.83	-99.83
NEW*	AP 51Z	Midland	TX 43.19	41.0	> 045.33	-2.14
NEW*	AP 51+	Andrews	TX 56.20	3.6	> 034.00	33.85

* Actual radials antenna height and directional patterns used (if any)

INTERFERENCE SUMMARY

PROPOSED LPTV STATION
CHANNEL 66 - ODESSA, TEXAS

[AMENDMENT TO BNPTTL-20000830BOA]

<u>Call Sign</u>	<u>Status</u>	<u>City, State</u>	<u>Ch.</u>	<u>Longley-Rice Service Population</u>	<u>Unmasked Interference From Proposed Facility</u>	<u>%</u>
NEW-T BNPTTL-20000830BLF	Appl.	Midland, TX	59	210,919	0	0