

INTERFERENCE STUDY
PROPOSED KLUJ-DT
CHANNEL 34 – HARLINGEN, TEXAS
[AMENDMENT TO BPEDT-19991021ABU]

The Commission allotted Channel 34 to KLUJ-DT with a nominal ERP of 50 kw (directional) at 296 meters above average terrain. The instant application specifies an ERP of 200 kw (directional) at 283 meters, which we have determined to be allowable under the FCC's *de minimis* standards with respect to various NTSC and DTV facilities.

In evaluating the interference effect of this proposal, we have relied upon the V-Soft Communications "Probe II" computer program, which has been found generally to mimic the FCC's program. In conducting our studies, we employed a signal resolution of 2 kilometers and an increment spacing of 1.0 kilometer along each radial, unless otherwise noted. In addition, we utilized the 1990 U.S. Census to count population within each cell.

These studies conclude that the proposed KLUJ-DT facility would not contribute any interference to the service population of any potentially affected NTSC or DTV station.

In addition, a Longley-Rice interference study reveals that the proposed KLUJ-DT facility does not cause interference within the protected 74.dBu contour of any potentially affected Class A low power television station, including KZMC-LP, Channel 35 in McAllen, Texas.

Therefore, this proposal meets the FCC's *de minimis* interference standards for DTV operations.