

DELAWDER COMMUNICATIONS, INC.

P.O. Box 1095
Ashburn, Virginia 20146-1095
(703) 299-9222

ENGINEERING REPORT

K238CC, to Dallas, TX, Channel 238D FM Translator Application

ENGINEERING STATEMENT

All required protections are met by contour non-overlap pursuant to Section 74.1204, with the exception of protection to KLTY, Arlington, TX, 235C. KLTY is protected, as discussed below.

PROTECTION TO KLTY

KLTY 235C (832 kilometers at 188 degrees True from translator site) is a third adjacent-channel station to the proposed channel 238 translator facility. The 60 dBu F50,50 service contour of KLTY extends beyond the 238D transmitter site. Using the well-established *Living Way Ministries* Methodology, no actual interference to any population is predicted to exist to KLTY.

Note that a rule waiver of Section 74.1204 for this second and third adjacent-channel protection using the well-established *Living Way Ministries* Methodology is respectfully requested if such a rule waiver is deemed necessary for protection to any station.

The F50,50 signal strength from KLTY at the proposed 238D transmitter site is greater than 84 dBu (the "desired" signal). The second/third adjacent-channel protection is an undesired-to-desired ("U/D") dB signal strength ratio of 40:1. Therefore, predicted interference to KLTY is a 238D signal of greater than or equal to 124 dBu.

The 124 dBu signal based on a free space field determination is predicted to extend out to 71 meters from the proposed 238D transmitter antenna. The interfering signal level will not reach any point at ground level or at 2 meters above ground level. (The clearance is more than 60 meters.) Therefore, pursuant to Section 74.1204(d) of the FCC Rules, KLTY is adequately protected by the proposed facility.