

DELAWDER COMMUNICATIONS, INC.

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

ENGINEERING REPORT

K201IY, Houston, TX, to Channel 202D Minor Change

ENGINEERING STATEMENT

All required protections are met by contour non-overlap pursuant to Section 74.1204, with the exception of protection to KUHF, Houston, TX 204C. KUHF is protected, as discussed below.

PROTECTION TO KUHF

KUHF 204C (2 kilometers at 50 degrees True from proposed 202D site) is a second adjacent-channel station to the proposed channel 202 translator facility. The 60 dBu F50,50 service contour of KUHF extends well beyond the 202D transmitter site. Using the well-established *Living Way Ministries* Methodology, no actual interference to any population is predicted to exist to KUHF.

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 KUHF at the proposed 202D transmitter site is greater than 90 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 KUHF is a 202D signal of greater than or equal to 130 dBu.

The 130 dBu signal based on a free space field determination is predicted to extend out to 6 meters from the proposed 202D transmit antenna. The interfering signal level will not reach any point at ground level or at 2 meters above ground level. (The clearance is at least 500 meters.) Therefore, pursuant to Section 74.1204(d) of the FCC Rules, KUHF is adequately protected by the proposed facility.