

**DELAUDER COMMUNICATIONS, INC.**

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**ENGINEERING REPORT**

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**K229DR, Fort Worth, TX, Site-move Minor Change, 229D**

**ENGINEERING STATEMENT**

All required protections are met by contour non-overlap pursuant to Section 74.1204, with the exception of protection to Dallas stations KLIF-FM 227C2 and KLNO 231C. KLIF-FM and KLNO are protected, as discussed below.

**PROTECTION TO KLIF-FM AND KLNO**

KLIF-FM 227C2 and KLNO 215C are second adjacent-channel stations to the proposed channel 229D facility. The 60 dBu F50,50 service contour for both KLIF-FM and KLNO extends well beyond the 229D transmitter site. Using the well-established *Living Way Ministries* Methodology, no actual interference to any population is predicted to exist to KLIF-FM or KLNO. Note that a rule waiver of Section 74.1204 for this second/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 KLIF-FM at the proposed 213D transmitter site is greater than 70 dBu (the “desired” signal of KLIF-FM). The F50,50 signal strength from KLNO at the proposed 213D transmitter site is greater than 100 dBu (the “desired” signal of KLNO). The second/third adjacent-channel protection of Section 74.1204 is an undesired-to-desired (“U/D”) dB signal strength ratio of 40:1. Therefore, predicted interference to KLIF-FM and KLNO from the proposed 213D facility is a signal of greater than or equal to 110 dBu.

The 110 dBu signal based on a free space field determination is predicted to extend out to 111 meters from the proposed 229D transmit antenna. The interfering signal level will not reach any point at ground level. (The clearance is at least 35 meters.) Therefore, pursuant to Section 74.1204(d) of the FCC Rules, KLIF-FM and KLNO are adequately protected by the proposed facility.