

DELAWDER COMMUNICATIONS, INC.

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ENGINEERING REPORT

K213CS, Fort Worth, TX, Site-move Minor Change, 213D

ENGINEERING STATEMENT

All required protections are met by contour non-overlap pursuant to Section 74.1204, with the exception of protection to Dallas stations KERA 211C0 and KCBI 215C. KERA and KCBI are protected, as discussed below.

PROTECTION TO KERA AND KCBI

KERA 211C0 and KCBI 215C are second adjacent-channel stations to the proposed channel 213D facility. The 60 dBu F50,50 service contour for both KERA and KCBI extends well beyond the 213D transmitter site. Using the well-established *Living Way Ministries* Methodology, no actual interference to any population is predicted to exist to KERA or KCBI. 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 KERA at the proposed 213D transmitter site is greater than 100 dBu (the “desired” signal of KERA). The F50,50 signal strength from KCBI at the proposed 213D transmitter site is also greater than 100 dBu (the “desired” signal of KCBI). 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 KERA and KCBI from the proposed 213D facility is a signal of greater than or equal to 140 dBu.

The 140 dBu signal based on a free space field determination is predicted to extend out to 5 meters from the proposed 213D transmit antenna. The interfering signal level will not reach any point at ground level. (The clearance is at least 140 meters.) Therefore, pursuant to Section 74.1204(d) of the FCC Rules, KERA and KCBI are adequately protected by the proposed facility.