

**DELAWDER COMMUNICATIONS, INC.**

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**ENGINEERING REPORT**

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**K258DA, Houston, TX, Channel 258D Minor Change**

**ENGINEERING STATEMENT**

All required protections are met by contour non-overlap pursuant to Section 74.1204, with the exception of protection to KODA, Houston, TX 256C. KODA is protected, as discussed below.

**PROTECTION TO KODA**

KODA, Houston 256C is a second-adjacent channel facility to the proposed channel 258D facility. The 60 dBu F50,50 service contour of this full-powered FM station extends well beyond the proposed channel 258D transmitter site. Using the well-established *Living Way Ministries* Methodology, no actual interference to any population is predicted to exist to KODA.

The F50,50 signal strength from KODA at the proposed 258D transmitter site is greater than 90 dBu (the “desired” signal). 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, lowest predicted interference level that will cause interference to KODA is a signal of greater than or equal to 130 dBu.

Assuming a 0.3 relative field at the depression angles that could intersect with the building’s top floor, the 130 dBu signal based on a free space field determination is predicted to extend out to 8.6 meters from the proposed 258D transmit antenna. The interfering signal level will not reach any point at ground level or at 2 meters above the top floor of the Wells Fargo building. (The clearance is at least 2 meters.) Therefore, pursuant to Section 74.1204(d) of the FCC Rules, KODA is adequately protected by the proposed facility.