

ENGINEERING STATEMENT

PROTECTION TO KODA AND KILT-FM

All contour non-overlap protection requirements are met with the exception of Houston stations KODA(FM) 256C and KILT-FM 262C, discussed below.

KODA and KILT-FM are both third adjacent-channel stations to the proposed channel 259D facility. The 60 dBu F50,50 service contour for both extends well beyond the proposed 259D transmitter site. Using the well-established *Living Way Ministries* Methodology, no actual interference to any population is predicted to exist to KODA or KILT-FM.

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 KODA and KILT-FM at the proposed 259D transmitter site is at least 97 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, predicted interference to KODA and KILT-FM from the proposed 259D facility is a signal of greater than or equal to 137 dBu.

The 137 dBu signal based on a free space field determination is predicted to extend out to 6 meters from the proposed 259D transmitter site. The interfering signal level will not reach any point at ground level. (The clearance is at least 26 meters.) Therefore, pursuant to Section 74.1204(d) of the FCC Rules, KODA and KILT-FM are adequately protected by the proposed facility.