

Exhibit 11 Page 1
Outreach for Jesus
Second-Adjacent Waiver Request
Somerset, KY

The proposed LPFM station will broadcast on channel 232, which is within the 53 kilometers second-adjacent minimum distance separation of station WSEK on channel 250. The WSEK interfering contour at the LPFM tower site is 85.2 dBμ F(50,50). Using the ratio of 100:1 (LPFM to WSEK) on the second-adjacent channel, the population within the proposed LPFM 125.2 dBμ contour is zero. Using the antenna manufacturer's vertical radiation pattern the area of interference can be more accurately calculated geometrically, rather than just by using the free space equation alone. This particular antenna is a one bay full-wave spaced Nicom BKG77 antenna. It was determined from the manufacturer's vertical plan that at 40 degrees below horizontal the interference area would extend 17.4 meters toward the ground. The antenna radiation center 30 meters above ground, thus the interference area will never reach the ground. There are no occupied structures or elevated roadways within the interference area of the translator. Therefore, the application is in compliance with §73.807(e)(1) *Waiver of the second-adjacent channel separations.*