

Exhibit 11 Page 1
Concrete Truth Community Network
Second-Adjacent Waiver Request
Kansas City, MO

The LPFM station is proposing to broadcast on channel 237, which is within the 84 kilometers, second-adjacent minimum distance separation of station KCMO-FM on channel 235 and 73 kilometers, second-adjacent minimum distance separation of KCHZ on channel 239. The KCMO-FM interfering contour at the LPFM tower site is 103.5 dB μ F(50,50). The KCHZ interfering contour at the LPFM tower site is 72.5 dB μ F(50,50). Using the ratio of 100:1 (LPFM to KCMO-FM and KCHZ) on the second-adjacent channel, the population within the proposed LPFM 143.5 dB μ and 112.5 dB μ 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. The proposed LPFM actual worst case interfering contour was used to calculate the interference. This particular antenna is a one bay full-wave spaced Shively 6812b antenna. It was determined from the manufacturer's vertical plan that at 45 degrees below horizontal the interference area would extend 84.1 meters toward the ground. The antenna radiation center 37 meters above ground, thus the interference area will reach the ground and radiate 84.1 meters horizontally. There are no occupied structures or elevated roadways within the interference area of the LPFM, which can be seen as figure 1 of this exhibit. Therefore, the application is in compliance with §73.807(e)(1) *Waiver of the second-adjacent channel separations.*

Exhibit 11 Figure 1
Concrete Truth Community Network
84.1 meter Horizontal Distance of Interfering Contour
Kansas City, MO

