

EXHIBIT 33: SECTION 73.215 CONTOUR PROTECTION STUDY

Although the proposed KBYO-FM facilities do not satisfy the minimum spacing requirements of §73.207 with regard to station KHCL, Arcadia, Louisiana, the contour protection requirements for short-spaced assignments of §73.215 are met.

The distance between the KHCL (223A) transmitter site and the proposed KBYO-FM (224A) transmitter site is 67.78 km. Although this distance is less than the 72 km spacing required under §73.207, it exceeds the 49 km minimum distance requirement of §73.215(e). The locations of protected and interfering contours of KHCL (using maximum-class facilities of 6 kW at 100 meters above average terrain) and the proposed KBYO-FM facility were determined and are shown in Figure 1. No prohibited overlap is expected between the protected and interfering contours.

Relevant contour plots were generated by computer using the methods specified in §73.313. Antenna height above average terrain was computed using the standard eight-radial method specified in §73.313(d). Average terrain along additional azimuths was computed and used in conjunction with the F(50,50) and F(50,10) curves to determine distances to protected and interfering contours respectively. These additional azimuths were not included in the computation of the antenna eight-radial height above average terrain. Elevation data used in the computation of average terrain was determined by linear interpolation of USGS 30-arcsecond digital elevation model files consistent with §73.312.

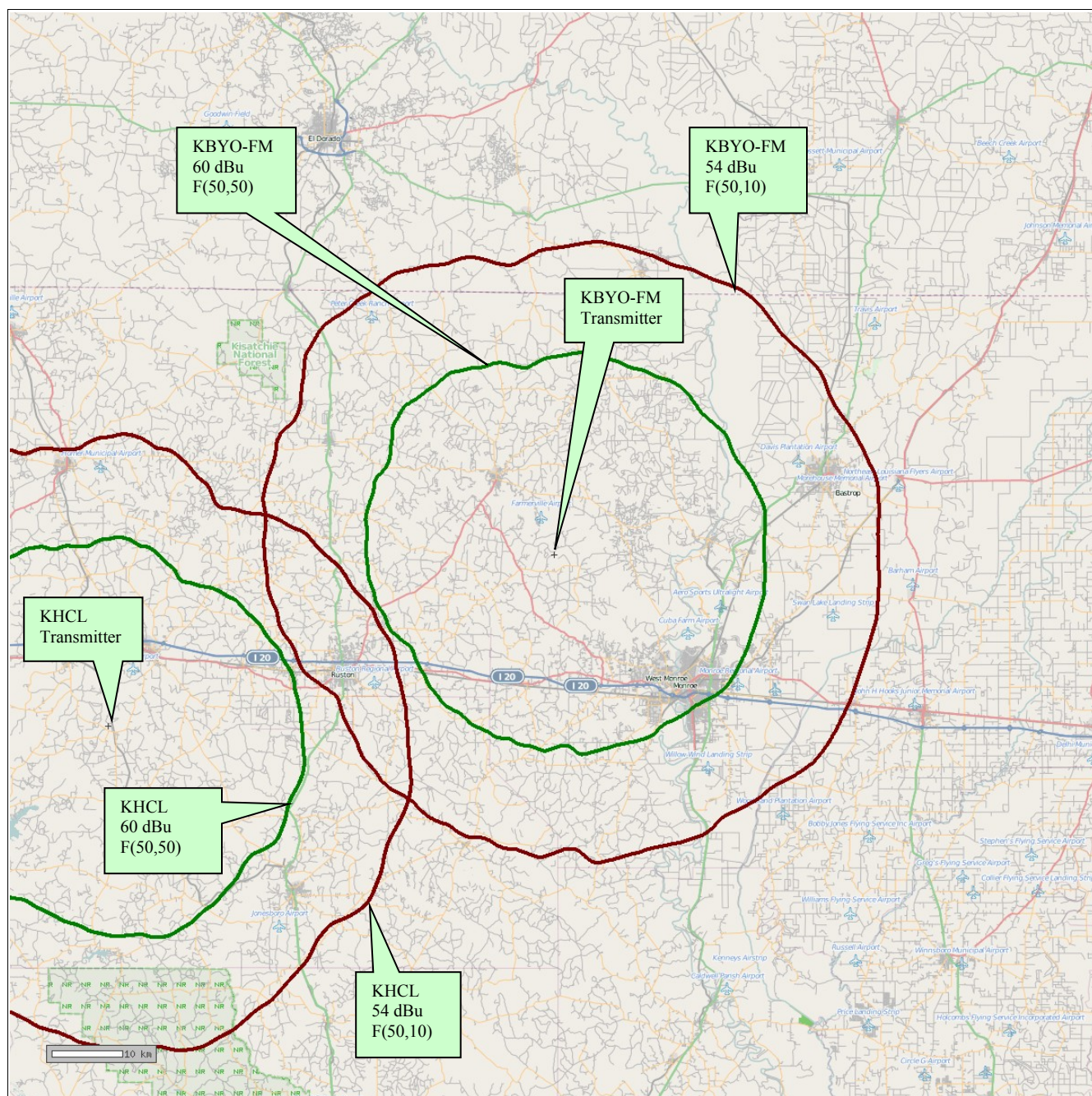


FIGURE 1: Predicted Section 73.215 Contour Protection between KBYO-FM and KHCL.