

COMMUNITY OF LICENSE COVERAGE

The licensee has determined that the 70db/u contour of the Station will completely cover Taft, Texas, the Station's community of license. In making this determination, the licensee relied on the following data and procedures.

From the Commission's Atlas Database, the licensee determined that the community coordinates for Taft, Texas are:

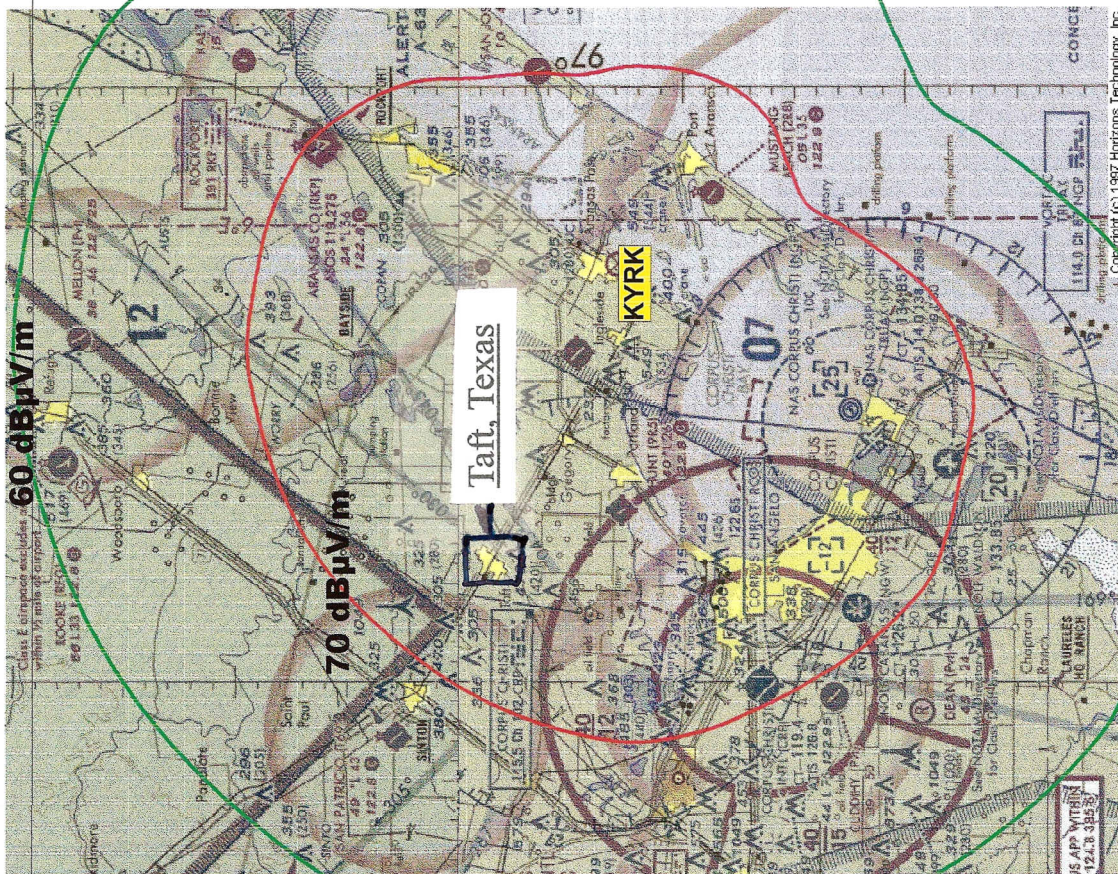
27-58-42.9N
97-23-39.5W

The authorized coordinates for KYRK are:

27-52-02N
97-13-07W

Using the Commission's Lat/Long Distance Computation utility, the Licensee determined that Taft, Texas is 21.25KM from KYRK, on a heading of 305.7 degrees true.

According to the proof of performance data for the Shively antenna provided by the manufacturer, the measured relative field value of the composite RMS signal from the antenna on a heading of 305 degrees true is 0.96. The full tabulation of measured azimuthal relative field values is listed as Table 1E in the proof of performance exhibit to this application. By factoring the values from that Table, into the Station's authorized effective radiated power and C/R HAAT, a result is obtained that demonstrates on the attached map and table that the community of Taft, Texas falls entirely within the 70 db/u principle community contour of Station KYRK, thereby satisfying condition seven of the licensee's construction permit.



Quick Contours: KTKY (KTKY)

EDX contour file 0.000 360.000 10.000 -1.000 150.00 2 0.000 KTKY 46.990 10
 DISTANCES TO CONTOURS (Kilometers):
 Antenna COR elevation (AMSL): 150 mtrs Average HAAT: 148 mtrs
 Frequency: 106.5000 MHz
 Coordinates: N 27 52 2.00 W 97 13 7.00
 F(50,50) Curves Number of Contours: 2 7
 AZ HAAT ERPd CONTOUR LEVELS (dBu):
 (deg) (m) (kW) 70.0 60.0
 0.0 150 47.0483 32.2 51.6
 10.0 150 46.0832 32.0 51.4
 20.0 150 47.0483 32.2 51.6
 30.0 150 46.0832 32.1 51.4
 40.0 147 39.6078 30.7 49.6
 50.0 148 28.5032 28.7 46.8
 60.0 149 17.4062 25.8 42.5
 70.0 149 13.0059 24.2 40.1
 80.0 149 10.5807 23.0 38.4
 90.0 150 11.0458 23.3 38.8
 100.0 150 11.0458 23.3 38.8
 110.0 150 10.5807 23.0 38.5
 120.0 150 8.8206 22.0 37.0
 130.0 150 5.7804 19.8 33.7
 140.0 149 4.5003 18.6 31.9
 150.0 149 6.1254 20.1 34.1
 160.0 149 9.2456 22.3 37.3
 170.0 150 15.1261 25.1 41.4
 180.0 150 21.7815 27.2 44.6
 190.0 150 27.3819 28.6 46.7
 200.0 150 28.8820 29.0 47.2
 210.0 150 34.4474 30.1 48.8
 220.0 150 40.5028 31.2 50.3
 230.0 150 40.5028 31.2 50.3
 240.0 150 40.5028 31.2 50.3
 250.0 150 42.3229 31.5 50.7
 260.0 150 47.0483 32.2 51.6
 270.0 150 50.0035 32.6 52.1
 280.0 146 50.0035 32.2 51.7
 290.0 142 49.0084 31.8 51.0
 300.0 142 47.0483 31.5 50.7
 310.0 144 45.1282 31.3 50.4
 320.0 144 45.1282 31.4 50.5
 330.0 144 46.0832 31.5 50.7
 340.0 145 46.0832 31.6 50.8
 350.0 147 46.0832 31.8 51.1
 360.0 150 47.0483 32.2 51.6