

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):

(degs)	(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