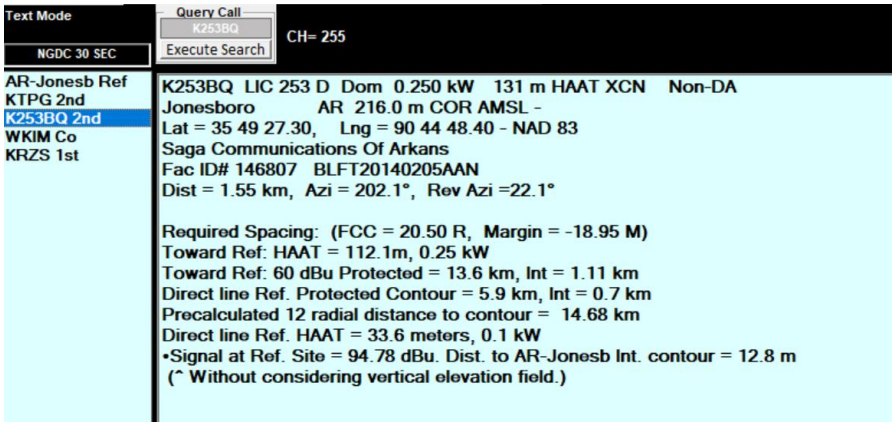
Jonesboro LifeStyle Radio

Jonesboro, AR

The proposed LPFM station will be short spaced with existing stations on both second adjacent channels, and we hereby request a waiver of rule 47 CFR 73.807. We shall demonstrate that no prohibited interference will be caused by a Commission grant of the instant application.

The follow data was generated using FM Commander by V-Soft.

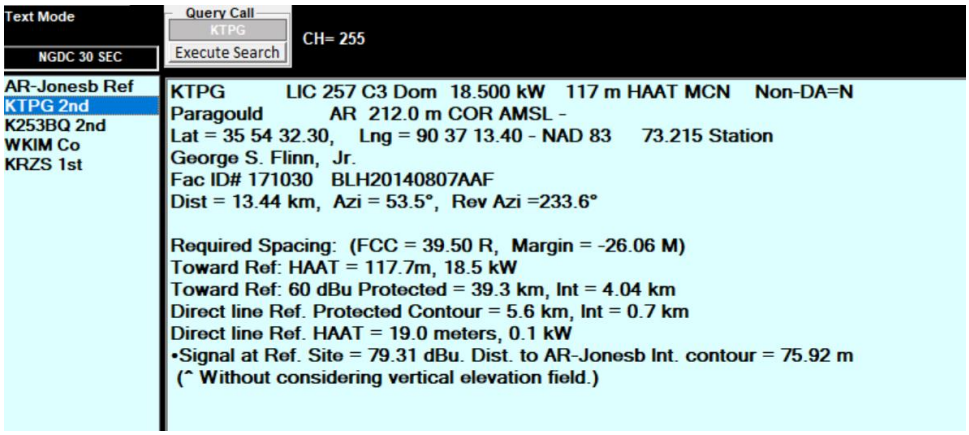
K253BQ, Jonesboro, is located 1.55 km SW of our proposed site with a strong received signal of 94.78 dBu.



94.78 + 40 dBu = 134.78 dBu.

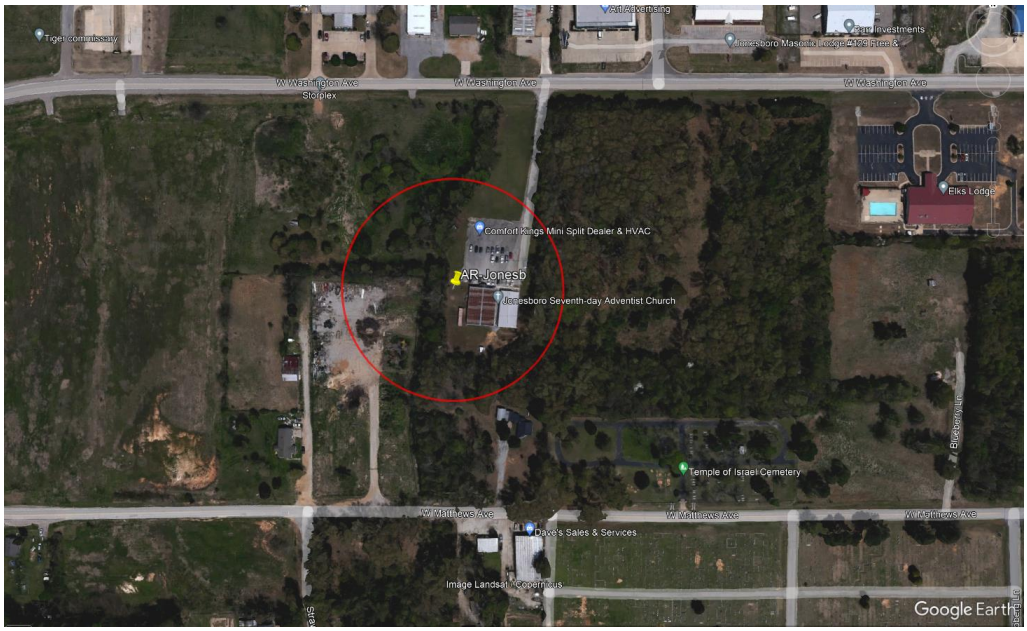
Plotted by V-Soft on a Google Earth map, one sees that the interference contour extends to the wall of the studio building of the proposed station, an associated church, and is insignificant for purposes of this study.

KTPG, Paragould, located 13.43 km North of the proposed antenna site, has a received signal strength of 79.31 dBu.



79.31 + 40 dBu = 119.31 dBu.

Plotted by V-Soft on a Google Earth map, one notes that this interference contour only extends over the church parking lot and spills over onto neighboring property to the west, used for storage, to the east into a forest, and to the south, but reaches no neighboring buildings. The only building concerned is the adjacent church structure in which our studio and local programming will be produced. Indeed, our antenna is to be located on the church property. Though legally independent of the church, the head elder of this church is also the president of **Jonesboro Lifestyle Radio.**

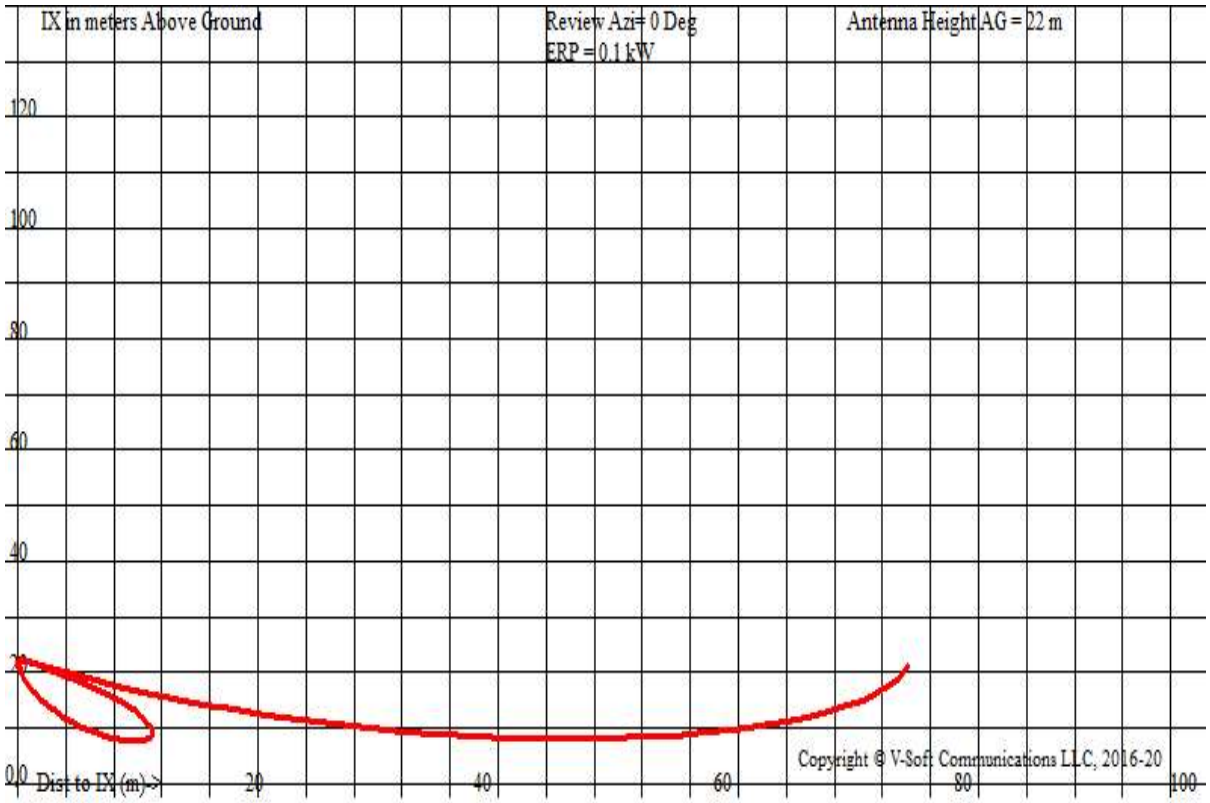


The church is occupied only for worship services a few hours per week, and during radio broadcasts. No one resides or works there. Of course, no one listens to radio at church, except potentially our radio.

Google Maps indicates a business named “Comfort Kings Mini-Split Dealer”. They use the church’s mailing address, but have no building and only occasionally they use the parking lot as a meeting point.

However, in the unlikely event that the Commission would interpret the church or parking lot as an inhabited space that could receive interference from our proposed station, we are prepared to install a special antenna system, using vertical only polarization.

Using XField software by V-Soft, we calculate that our interference signal would not be lower than eight meters above ground, and thus could not cause prohibited interference. See the graph and table below.



AR-Jonesb , , Showing Protection to KTPG   , Channel: 257
Geographic Coordinates: N. 35 50 14.00 W. 90 44 25.00
74.1204(d) Study - Using NGDC 30 SEC Terrain Database
Translator or LPFM Maximum Antenna ERP = 0.1 kW, Channel: 255
Translator or LPFM Antenna Height AG = 22 meters
AR-Jonesb Antenna Azimuth Model = Reference Station Antenna (NAD 83), Vertical Model = FMV-2_FM_Vpol

Protected Station's Contour = 79.32697 dBu
Translator's or LPFM's full Interference contour 119.32697

Review Azimuth = 0 Degrees True
Relative Field on the horizontal at Review Azimuth = 1.000
Translator/LPFM ERP on the horizontal at Review Azimuth = 0.1 kW
Distance between stations = 13.4 km
Protected Station= KTPG, 18.5 kW, 212 M meters COR AMSL

Depression Angle From Horiz. (Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.0	1.0	1.0	0.1000	075.7969	075.7969	022.000
05.0	0.967	1.0	0.0935	073.2729	072.9940	015.614
10.0	0.873	1.0	0.0762	066.1859	065.1803	010.507
15.0	0.726	1.0	0.0528	055.0513	053.1755	007.752
20.0	0.546	1.0	0.0298	041.3472	038.8537	007.858
25.0	0.350	1.0	0.0122	026.5289	024.0434	010.788
30.0	0.163	1.0	0.0027	012.3397	010.6865	015.830
35.0	0.002	1.0	0.0000	000.1743	000.1428	021.900
40.0	0.119	1.0	0.0014	009.0426	006.9270	016.188
45.0	0.198	1.0	0.0039	014.9699	010.5853	011.415
50.0	0.236	1.0	0.0055	017.8502	011.4739	008.326
55.0	0.240	1.0	0.0058	018.2216	010.4515	007.074
60.0	0.222	1.0	0.0049	016.8193	008.4097	007.434
65.0	0.189	1.0	0.0036	014.3180	006.0511	009.023
70.0	0.148	1.0	0.0022	011.2179	003.8368	011.459
75.0	0.104	1.0	0.0011	007.9056	002.0461	014.364
80.0	0.060	1.0	0.0004	004.5630	000.7924	017.506
85.0	0.018	1.0	0.0000	001.3340	000.1163	020.671
90.0	0.023	1.0	0.0001	001.7661	000.0000	020.234