

TABULATION OF PREDICTED INTERFERENCE ANALYSIS  
WITH RESPECT TO WGNF-FM, MIDDLEBURG, FL (CHANNEL 260C1)  
APPLICATION FOR CONSTRUCTION PERMIT  
W258CN, JACKSONVILLE, FLORIDA, CHANNEL 258

Depression Angle from Antenna	Distance from Base (m)	Elevation Pattern Relative Field	Direct Ray Distance (m)	Effective Radiated Power (kW)	Effective Radiated Power (dBk)	Distance to IX Contour (m)*	Height Above Receive Antenna (m)†
85.0	23.8	0.200	273.0	0.0100	-20.00	3.0	270.0
80.0	48.0	0.275	276.2	0.0189	-17.23	3.0	273.2
75.0	72.9	0.354	281.6	0.0313	-15.04	4.0	277.6
70.0	99.0	0.425	289.5	0.0452	-13.45	5.0	284.5
65.0	126.8	0.498	300.1	0.0620	-12.08	6.0	294.1
60.0	157.0	0.575	314.1	0.0827	-10.83	7.0	307.1
55.0	190.5	0.631	332.1	0.0995	-10.02	8.0	324.1
50.0	228.2	0.688	355.1	0.1183	-9.27	9.0	346.1
45.0	272.0	0.744	384.7	0.1384	-8.59	9.0	375.7
40.0	324.2	0.796	423.2	0.1584	-8.00	10.0	413.2
35.0	388.5	0.843	474.2	0.1777	-7.50	11.0	463.2
30.0	471.1	0.881	544.0	0.1940	-7.12	11.0	533.0
25.0	583.3	0.919	643.6	0.2111	-6.75	12.0	631.6
20.0	747.3	0.948	795.3	0.2247	-6.48	12.0	783.3
15.0	1015.1	0.973	1050.9	0.2367	-6.26	12.0	1038.9
10.0	1542.6	0.990	1566.4	0.2450	-6.11	13.0	1553.4
5.0	3109.0	0.998	3120.9	0.2490	-6.04	13.0	3107.9
4.0	3889.8	0.999	3899.3	0.2495	-6.03	13.0	3886.3
3.0	5190.1	0.999	5197.2	0.2495	-6.03	13.0	5184.2
2.0	7789.1	1.000	7793.8	0.2500	-6.02	13.0	7780.8
1.0	15582.9	1.000	15585.2	0.2500	-6.02	13.0	15572.2

\* The interfering contour is the 138.7 dBu contour.

† Positive figures indicate no contact of predicted contour with surface; and, thus, no interference predicted in accessible areas.