

TABULATION OF PREDICTED INTERFERENCE ANALYSIS  
WITH RESPECT TO WGTN-FM, ANDREWS, SC (CHANNEL 264A)  
APPLICATION FOR CONSTRUCTION PERMIT (LONG FORM)  
CHANNEL 266

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) <sup>†</sup>
85.0	12.0	0.001	137.5	0.0000	-66.02	< 1.0	137.5
80.0	24.2	0.004	139.1	0.0000	-53.98	< 1.0	139.1
75.0	36.7	0.013	141.8	0.0000	-43.74	< 1.0	141.8
70.0	49.9	0.030	145.8	0.0002	-36.48	12.0	133.8
65.0	63.9	0.056	151.2	0.0008	-31.06	24.0	127.2
60.0	79.1	0.094	158.2	0.0022	-26.56	39.0	119.2
55.0	95.9	0.146	167.2	0.0053	-22.73	61.0	106.2
50.0	115.0	0.216	178.8	0.0117	-19.33	90.0	88.8
45.0	137.0	0.289	193.7	0.0209	-16.80	120.0	73.7
40.0	163.3	0.378	213.1	0.0357	-14.47	157.0	56.1
35.0	195.7	0.478	238.9	0.0571	-12.43	199.0	39.9
30.0	237.3	0.574	274.0	0.0824	-10.84	239.0	35.0
25.0	293.8	0.693	324.2	0.1201	-9.21	288.0	36.2
20.0	376.4	0.782	400.6	0.1529	-8.16	325.0	75.6
15.0	511.3	0.863	529.3	0.1862	-7.30	359.0	170.3
10.0	777.0	0.939	789.0	0.2204	-6.57	390.0	399.0
5.0	1565.9	0.984	1571.9	0.2421	-6.16	409.0	1162.9
4.0	1959.2	0.990	1964.0	0.2450	-6.11	412.0	1552.0
3.0	2614.1	0.994	2617.7	0.2470	-6.07	413.0	2204.7
2.0	3923.2	0.997	3925.6	0.2485	-6.05	415.0	3510.6
1.0	7848.7	0.999	7849.9	0.2495	-6.03	415.0	7434.9

\* The interfering contour is the 108.4 dBu contour.

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