

Engineering Report (Amended)

Exhibit 13 Figure 4 Page 1

Signal on Ground Report 2nd Adjacent Test W258CK move to 92.9 MHz and Columbus, OH October 2016

The 94 dbu F(50,50) contour of second adjacent Class B stations WCOL-FM, Columbus, OH, and WODC, Ashville, OH encompass the 94 dbu F(50,10) proposed contour. Protection of this station is by the ratio method, as outlined in Exhibit 12.

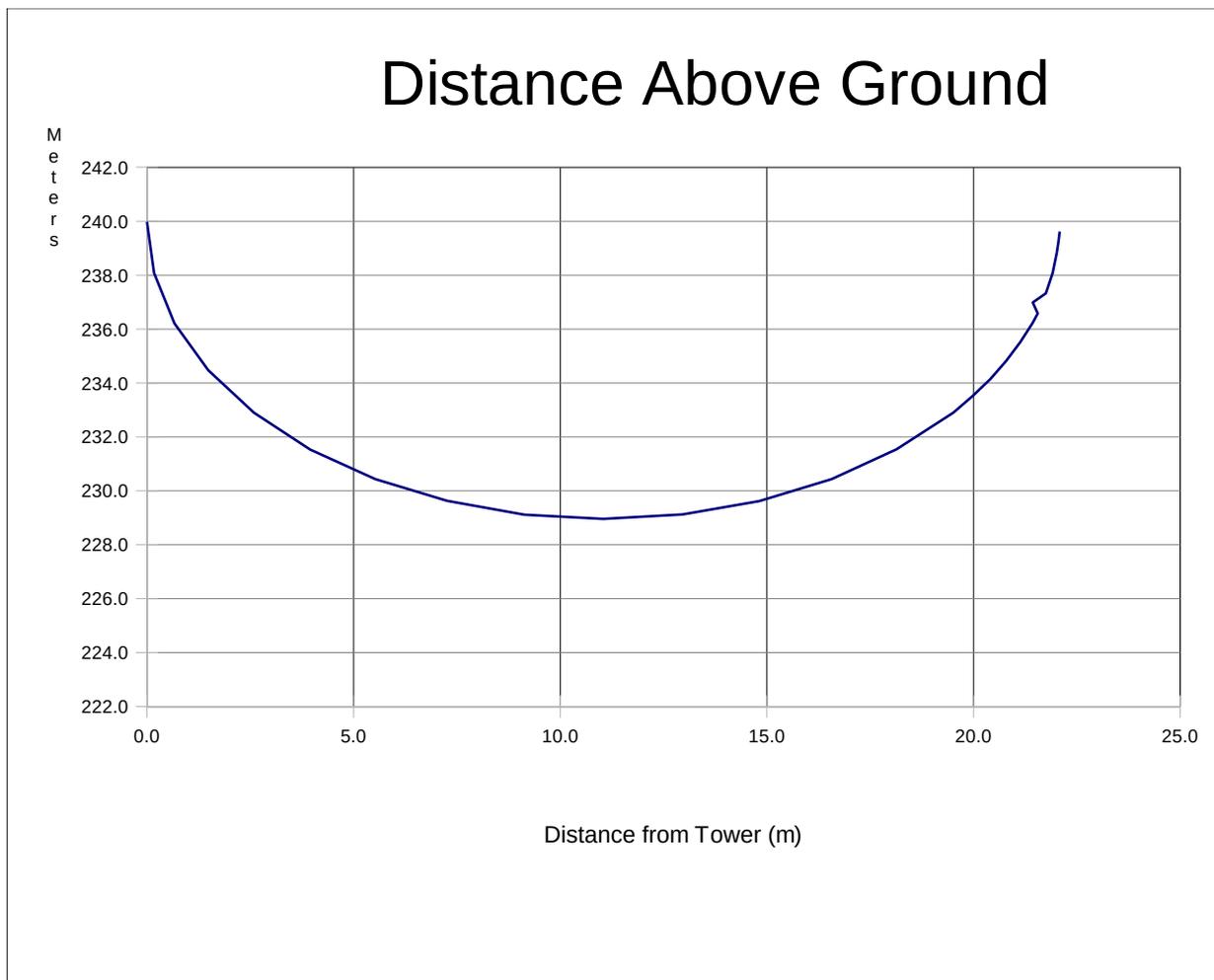
Study for center of Radiation 240 m AGL ERP 250 Watts
Element Bays Spacing
Antenna PSIFMR- 1

Distance above Ground Level of Interfering Contour

Depression Angle (Degrees)	Slant Distance To 134 db μ V (meters)	Horiz Distance To 134 db μ V (meters)	Relative Field	ERP Watts	134 db μ V Above Gnd (meters)
1	22.09	22.1	1.000	250.000	239.6
2	22.07	22.1	0.999	249.500	239.2
3	22.04	22.0	0.998	249.001	238.8
4	22.02	22.0	0.997	248.502	238.5
5	22.00	21.9	0.996	248.004	238.1
6	21.96	21.8	0.994	247.009	237.7
7	21.91	21.7	0.992	246.016	237.3
8	21.65	21.4	0.980	240.100	237.0
9	21.82	21.6	0.988	244.036	236.6
10	21.76	21.4	0.985	242.556	236.2
12	21.60	21.1	0.978	239.121	235.5
14	21.42	20.8	0.970	235.225	234.8
16	21.23	20.4	0.961	230.880	234.1
18	21.01	20.0	0.951	226.100	233.5
20	20.76	19.5	0.940	220.900	232.9
25	20.01	18.1	0.906	205.209	231.5
30	19.13	16.6	0.866	187.489	230.4
35	18.09	14.8	0.819	167.690	229.6
40	16.92	13.0	0.766	146.689	229.1
45	15.62	11.0	0.707	124.962	229.0
50	14.20	9.1	0.643	103.362	229.1
55	12.66	7.3	0.573	82.082	229.6
60	11.04	5.5	0.500	62.500	230.4
65	9.34	3.9	0.423	44.732	231.5
70	7.55	2.6	0.342	29.241	232.9
75	5.72	1.5	0.259	16.770	234.5
80	3.84	0.7	0.174	7.569	236.2
85	1.92	0.2	0.087	1.892	238.1
90	0.02	0.0	0.001	0.000	240.0

Min Height above Gnd

The 132 dbuV interfering signal is closest to the ground at 11 meters away from the tower. At the extent of the signal where it most closely approaches the ground, it remains at least 229 meters above the ground in the main beam of the antenna. In all other directions from the tower the nuisance contour is a greater distance above the ground. There are no multi-story buildings in the immediate vicinity of the tower.



Location of 132 dbu contour above ground, versus distance from tower.