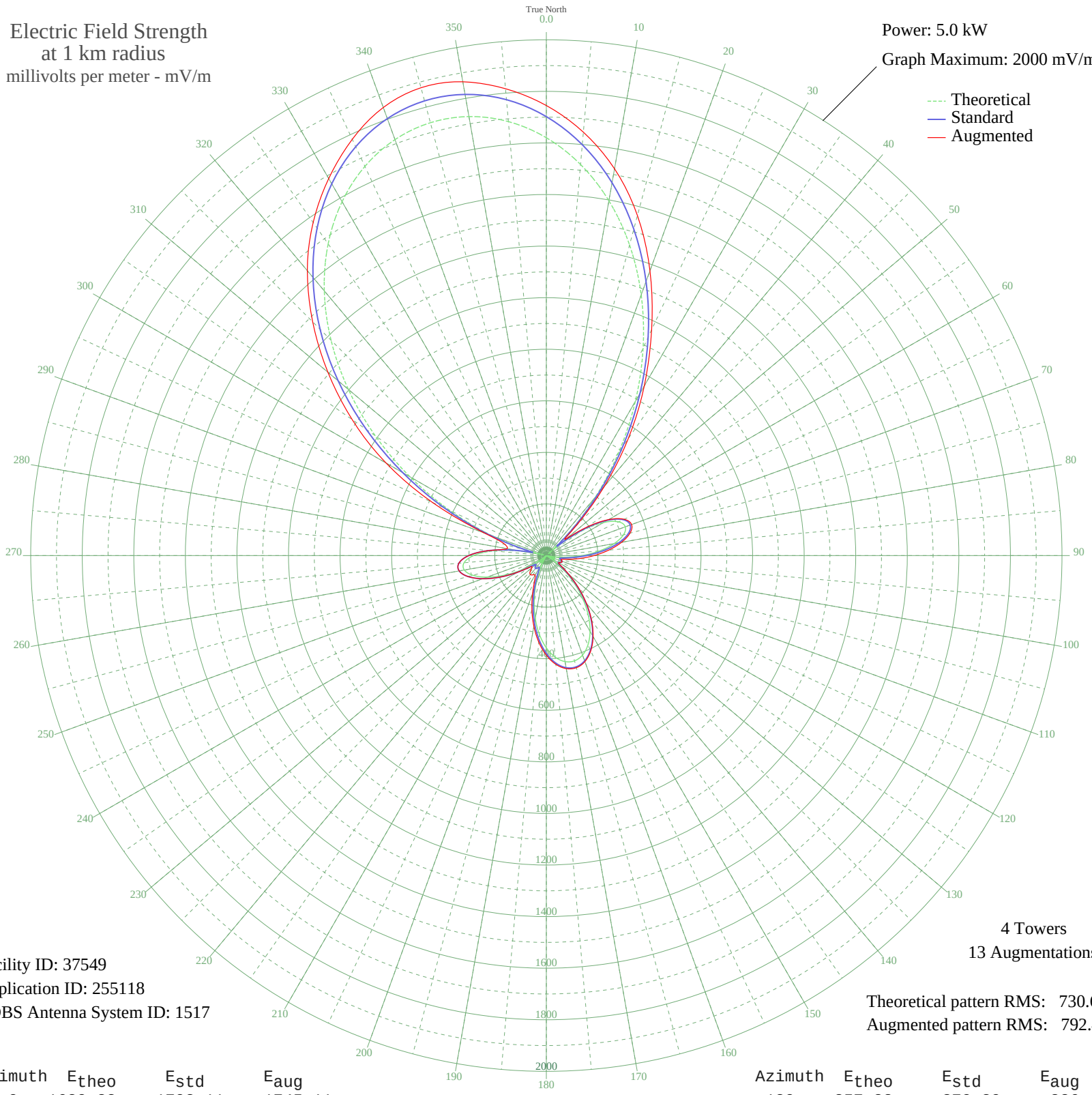
WHTK ROCHESTER, NY BL-19971003KA 1280 kHz

Nighttime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

4 Towers
13 Augmentations

Facility ID: 37549
Application ID: 255118
CDBS Antenna System ID: 1517

Theoretical pattern RMS: 730.64
Augmented pattern RMS: 792.47

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1620.28	1702.11	1745.11
5	1522.38	1599.36	1648.08
10	1397.17	1467.98	1522.95
15	1247.13	1310.54	1365.04
20	1075.85	1130.87	1175.09
25	888.25	934.15	966.36
30	690.62	727.06	759.85
35	490.48	517.69	554.38
40	296.28	315.52	349.10
45	116.80	133.47	162.86
50	39.57	67.10	102.26
55	165.69	181.77	193.21
60	256.48	274.40	278.73
65	309.63	329.35	333.14
70	325.98	346.31	351.99
75	309.52	329.24	335.98
80	267.00	285.26	296.26
85	207.18	223.82	242.97
90	139.76	155.92	185.48
95	74.33	94.16	130.21
100	19.28	56.44	82.77
105	19.00	56.33	59.28
110	36.59	65.20	65.20
115	32.22	62.61	62.65
120	7.03	53.19	54.88
125	35.83	64.74	68.87
130	91.81	109.85	114.24
135	155.53	171.59	175.40
140	221.41	238.37	241.40
145	284.13	302.96	305.57
150	338.98	359.81	362.53
155	382.10	404.64	407.65
160	410.58	434.32	437.58
165	422.62	446.87	450.26
170	417.44	441.47	445.16
175	395.37	418.47	423.39

Azimuth	E_{theo}	E_{std}	E_{aug}
180	357.82	379.39	386.42
185	307.26	326.89	336.87
190	247.16	264.81	278.55
195	181.93	198.16	216.37
200	116.68	133.36	155.68
205	56.94	79.68	107.57
210	8.23	53.38	87.53
215	24.51	58.63	91.30
220	37.47	65.75	96.56
225	28.65	60.66	89.16
230	1.68	52.71	72.66
235	50.66	74.86	79.60
240	112.84	129.67	129.67
245	180.57	196.78	196.78
250	244.62	262.19	262.19
255	295.18	314.39	314.39
260	323.01	343.23	343.23
265	320.43	340.55	340.55
270	282.28	301.04	301.04
275	206.44	223.07	223.07
280	93.99	111.87	154.47
285	51.04	75.15	165.77
290	222.23	239.21	255.12
295	411.59	435.37	487.37
300	610.40	643.09	717.86
305	810.00	852.13	919.32
310	1002.45	1053.89	1105.97
315	1180.92	1241.09	1281.63
320	1339.96	1407.95	1442.13
325	1475.45	1550.12	1576.75
330	1584.51	1664.57	1688.19
335	1665.23	1749.29	1781.02
340	1716.49	1803.09	1849.02
345	1737.69	1825.33	1878.17
350	1728.60	1815.79	1865.60
355	1689.32	1774.57	1817.22

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission