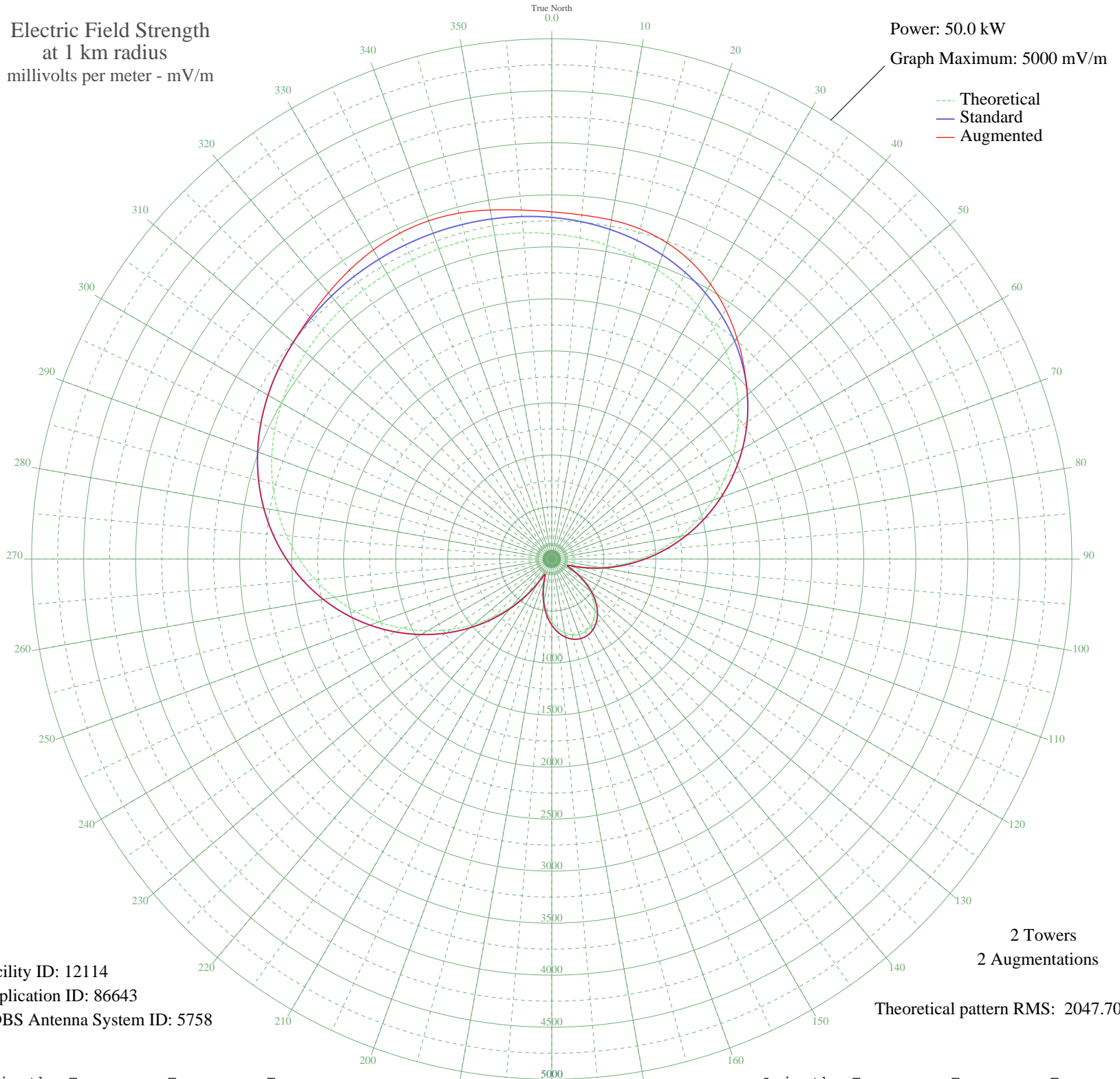


WCTS MAPLEWOOD, MN BL-19860319AB 1030 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 12114
Application ID: 86643
CDBS Antenna System ID: 5758

2 Towers
2 Augmentations
Theoretical pattern RMS: 2047.70

Azimuth	Etheo	Estd	Eaug
0	3125.91	3283.04	3336.77
5	3098.57	3254.34	3318.79
10	3062.85	3216.85	3307.98
15	3017.47	3169.21	3283.84
20	2961.11	3110.05	3235.00
25	2892.53	3038.07	3157.46
30	2810.62	2952.09	3051.13
35	2714.51	2851.20	2919.88
40	2603.61	2734.80	2770.80
45	2477.75	2602.69	2612.88
50	2337.13	2455.11	2455.11
55	2182.44	2292.77	2292.77
60	2014.82	2116.87	2116.87
65	1835.84	1929.07	1929.07
70	1647.50	1731.46	1731.46
75	1452.12	1526.53	1526.53
80	1252.32	1317.03	1317.03
85	1050.94	1105.99	1105.99
90	851.02	896.65	896.65
95	655.82	692.61	692.61
100	469.32	498.35	498.35
105	298.19	321.78	321.78
110	164.34	187.85	187.85
115	152.02	176.04	176.04
120	253.63	276.47	276.47
125	370.44	395.99	395.99
130	478.15	507.52	507.52
135	571.20	604.34	604.34
140	647.56	683.98	683.98
145	706.25	745.27	745.27
150	746.73	787.57	787.57
155	768.72	810.56	810.56
160	772.07	814.07	814.07
165	756.78	798.09	798.09
170	722.94	762.71	762.71
175	670.76	708.20	708.20

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	600.68	635.07	635.07
185	513.48	544.24	544.24
190	410.69	437.57	437.57
195	296.01	319.56	319.56
200	182.89	205.89	205.89
205	139.90	164.60	164.60
210	243.28	266.01	266.01
215	405.40	432.09	432.09
220	587.43	621.25	621.25
225	780.02	822.38	822.38
230	978.64	1030.25	1030.25
235	1179.85	1241.06	1241.06
240	1380.55	1451.48	1451.48
245	1577.84	1658.39	1658.39
250	1769.00	1858.94	1858.94
255	1951.60	2050.53	2050.53
260	2123.52	2230.93	2230.93
265	2283.01	2398.31	2398.31
270	2428.80	2551.32	2551.32
275	2560.02	2689.05	2689.05
280	2676.30	2811.10	2811.10
285	2777.69	2917.52	2917.52
290	2864.63	3008.78	3008.78
295	2937.89	3085.68	3085.68
300	2998.51	3149.31	3149.31
305	3047.70	3200.94	3200.94
310	3086.74	3241.93	3242.87
315	3116.95	3273.64	3288.83
320	3139.56	3297.38	3340.01
325	3155.65	3314.27	3389.87
330	3166.12	3325.25	3430.53
335	3171.58	3330.99	3454.99
340	3172.40	3331.85	3458.89
345	3168.63	3327.89	3441.50
350	3160.03	3318.86	3405.97
355	3146.06	3304.19	3366.41