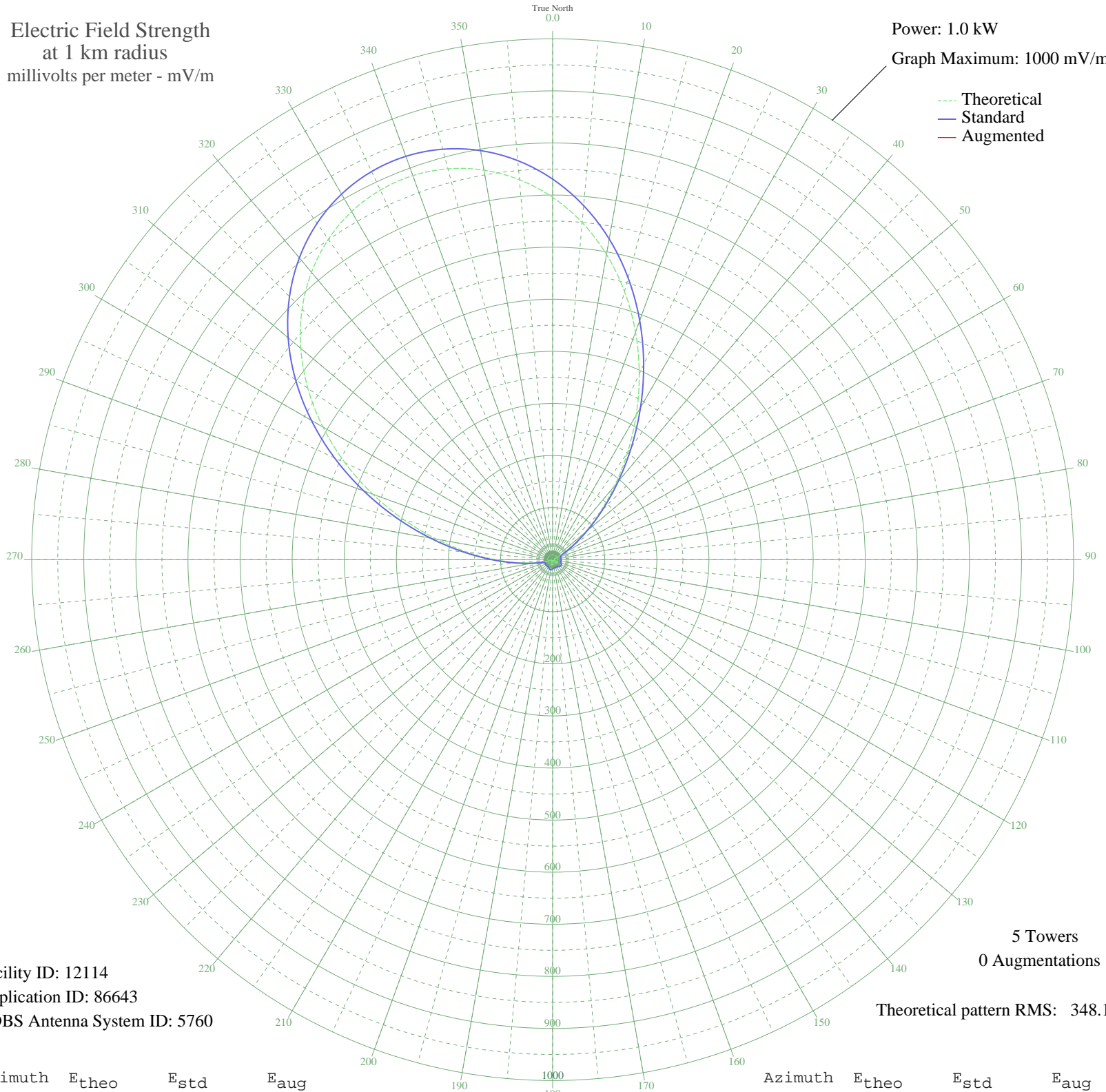


# WCTS MAPLEWOOD, MN BL-19860319AB 1030 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 12114  
Application ID: 86643  
CDBS Antenna System ID: 5760

5 Towers  
0 Augmentations  
Theoretical pattern RMS: 348.12

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	695.66	730.62	
5	649.75	682.42	
10	595.17	625.13	
15	533.04	559.92	
20	465.03	488.54	
25	393.38	413.36	
30	320.84	337.27	
35	250.49	263.50	
40	185.39	195.31	
45	128.28	135.64	
50	81.22	86.77	
55	45.27	50.15	
60	20.38	26.71	
65	5.43	16.97	
70	1.57	16.06	
75	3.08	16.30	
80	1.62	16.07	
85	0.64	15.99	
90	2.15	16.14	
95	2.11	16.13	
100	0.44	15.99	
105	2.42	16.18	
110	5.73	17.07	
115	8.69	18.40	
120	10.68	19.52	
125	11.34	19.93	
130	10.64	19.50	
135	8.83	18.48	
140	6.36	17.32	
145	3.78	16.47	
150	1.62	16.07	
155	0.31	15.98	
160	0.10	15.98	
165	1.04	16.02	
170	2.93	16.27	
175	5.42	16.96	

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	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	7.99	18.05	
185	10.10	19.18	
190	11.24	19.86	
195	11.08	19.76	
200	9.54	18.86	
205	6.87	17.53	
210	3.60	16.42	
215	0.49	15.99	
220	1.68	16.08	
225	2.33	16.17	
230	1.33	16.04	
235	0.80	16.00	
240	2.78	16.24	
245	2.61	16.21	
250	2.12	16.13	
255	13.94	21.67	
260	35.08	40.15	
265	66.98	72.12	
270	110.11	116.71	
275	163.78	172.71	
280	226.29	238.14	
285	295.10	310.27	
290	367.21	385.90	
295	439.52	461.77	
300	509.13	534.82	
305	573.60	602.49	
310	631.05	662.79	
315	680.18	714.37	
320	720.20	756.38	
325	750.74	788.44	
330	771.66	810.40	
335	782.96	822.26	
340	784.68	824.07	
345	776.83	815.83	
350	759.38	797.51	
355	732.30	769.08	