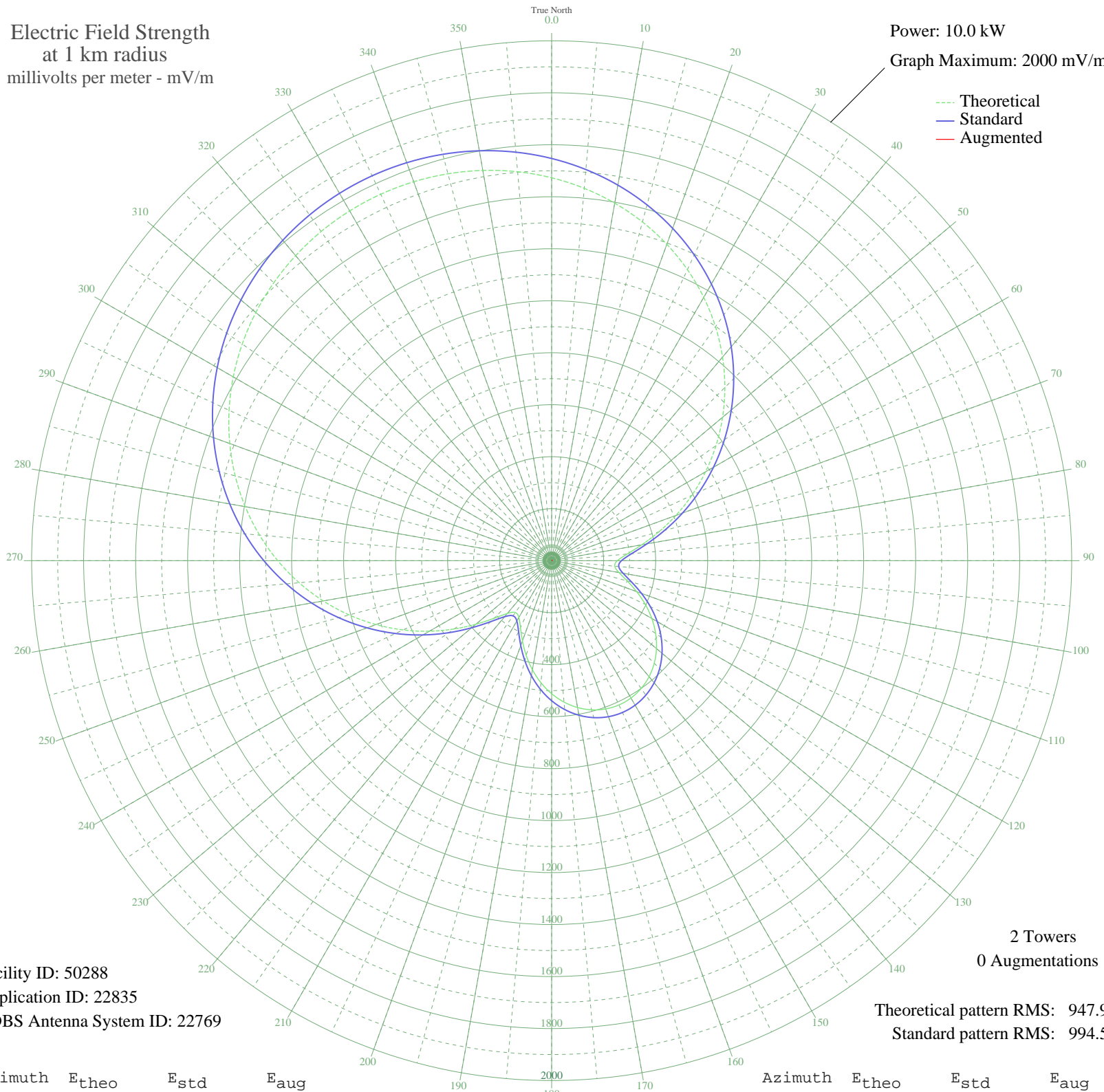


KOLM ROCHESTER, MN BL-19800813AJ 1520 kHz

Critical Hours

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 50288
Application ID: 22835
CDBS Antenna System ID: 22769

2 Towers
0 Augmentations

Theoretical pattern RMS: 947.90
Standard pattern RMS: 994.55

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1473.09	1547.28	
5	1438.03	1510.48	
10	1396.68	1467.08	
15	1349.06	1417.10	
20	1295.25	1360.62	
25	1235.39	1297.80	
30	1169.73	1228.90	
35	1098.63	1154.29	
40	1022.56	1074.47	
45	942.14	990.09	
50	858.13	901.96	
55	771.47	811.07	
60	683.29	718.62	
65	595.03	626.11	
70	508.51	535.49	
75	426.24	449.41	
80	351.96	371.81	
85	291.44	308.72	
90	252.85	268.61	
95	243.54	258.95	
100	262.65	278.79	
105	300.79	318.45	
110	347.88	367.54	
115	397.17	419.02	
120	444.72	468.74	
125	488.22	514.25	
130	526.26	554.08	
135	557.95	587.27	
140	582.73	613.22	
145	600.20	631.53	
150	610.15	641.96	
155	612.46	644.37	
160	607.09	638.75	
165	594.11	625.15	
170	573.68	603.74	
175	546.08	574.83	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	511.76	538.90	
185	471.41	496.66	
190	426.08	449.25	
195	377.49	398.46	
200	328.47	347.31	
205	283.96	300.94	
210	252.09	267.83	
215	243.55	258.97	
220	265.08	281.31	
225	313.51	331.71	
230	380.40	401.50	
235	458.44	483.09	
240	542.77	571.37	
245	630.24	663.01	
250	718.66	755.70	
255	806.38	847.68	
260	892.11	937.60	
265	974.79	1024.34	
270	1053.55	1106.98	
275	1127.70	1184.79	
280	1196.67	1257.17	
285	1260.05	1323.68	
290	1317.51	1383.99	
295	1368.86	1437.88	
300	1413.98	1485.24	
305	1452.81	1525.99	
310	1485.35	1560.16	
315	1511.65	1587.76	
320	1531.76	1608.87	
325	1545.73	1623.53	
330	1553.60	1631.80	
335	1555.42	1633.70	
340	1551.18	1629.25	
345	1540.87	1618.43	
350	1524.46	1601.20	
355	1501.88	1577.50	

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission