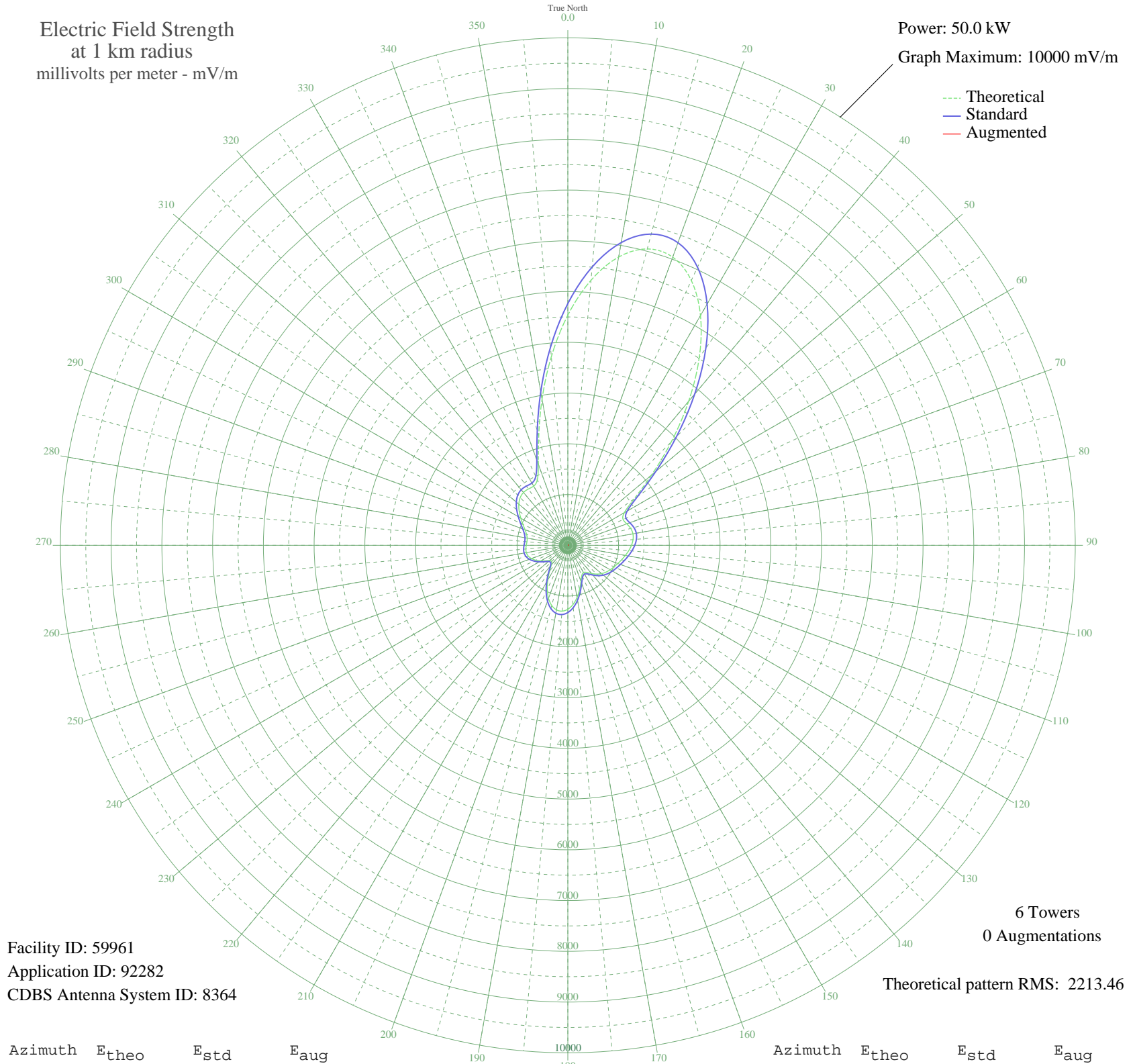


# KTCN MINNEAPOLIS, MN BL-19860918AG 1130 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 59961  
Application ID: 92282  
CDBS Antenna System ID: 8364

6 Towers  
0 Augmentations

Theoretical pattern RMS: 2213.46

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4535.68	4763.04	
5	5243.34	5506.01	
10	5768.40	6057.27	
15	6046.48	6349.24	
20	6043.11	6345.70	
25	5758.70	6047.09	
30	5228.20	5490.11	
35	4515.35	4741.69	
40	3703.25	3889.13	
45	2884.09	3029.20	
50	2151.32	2260.10	
55	1595.20	1676.60	
60	1284.25	1350.51	
65	1202.20	1264.49	
70	1235.68	1299.59	
75	1282.98	1349.17	
80	1302.69	1369.84	
85	1290.19	1356.74	
90	1254.05	1318.85	
95	1204.73	1267.15	
100	1150.61	1210.42	
105	1097.40	1154.66	
110	1048.46	1103.39	
115	1004.63	1057.47	
120	963.64	1014.55	
125	920.20	969.06	
130	867.65	914.05	
135	801.55	844.89	
140	724.74	764.59	
145	653.21	689.88	
150	618.60	653.76	
155	652.74	689.39	
160	756.00	797.27	
165	897.85	945.66	
170	1044.33	1099.06	
175	1170.48	1231.25	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1259.90	1324.98	
185	1302.17	1369.29	
190	1291.41	1358.02	
195	1226.47	1289.93	
200	1112.16	1170.13	
205	960.52	1011.27	
210	790.82	833.67	
215	628.71	664.31	
220	504.88	535.29	
225	448.44	476.68	
230	465.48	494.36	
235	530.70	562.16	
240	614.25	649.22	
245	696.12	734.69	
250	763.63	805.25	
255	809.10	852.80	
260	830.15	874.82	
265	830.32	874.99	
270	818.79	862.93	
275	808.62	852.29	
280	813.26	857.14	
285	842.18	887.41	
290	897.99	945.81	
295	976.88	1028.41	
300	1071.00	1126.99	
305	1169.84	1230.57	
310	1260.37	1325.47	
315	1327.75	1396.12	
320	1359.27	1429.16	
325	1354.70	1424.37	
330	1346.71	1415.99	
335	1423.16	1496.16	
340	1698.95	1785.44	
345	2217.18	2329.23	
350	2925.03	3072.18	
355	3730.80	3918.04	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission