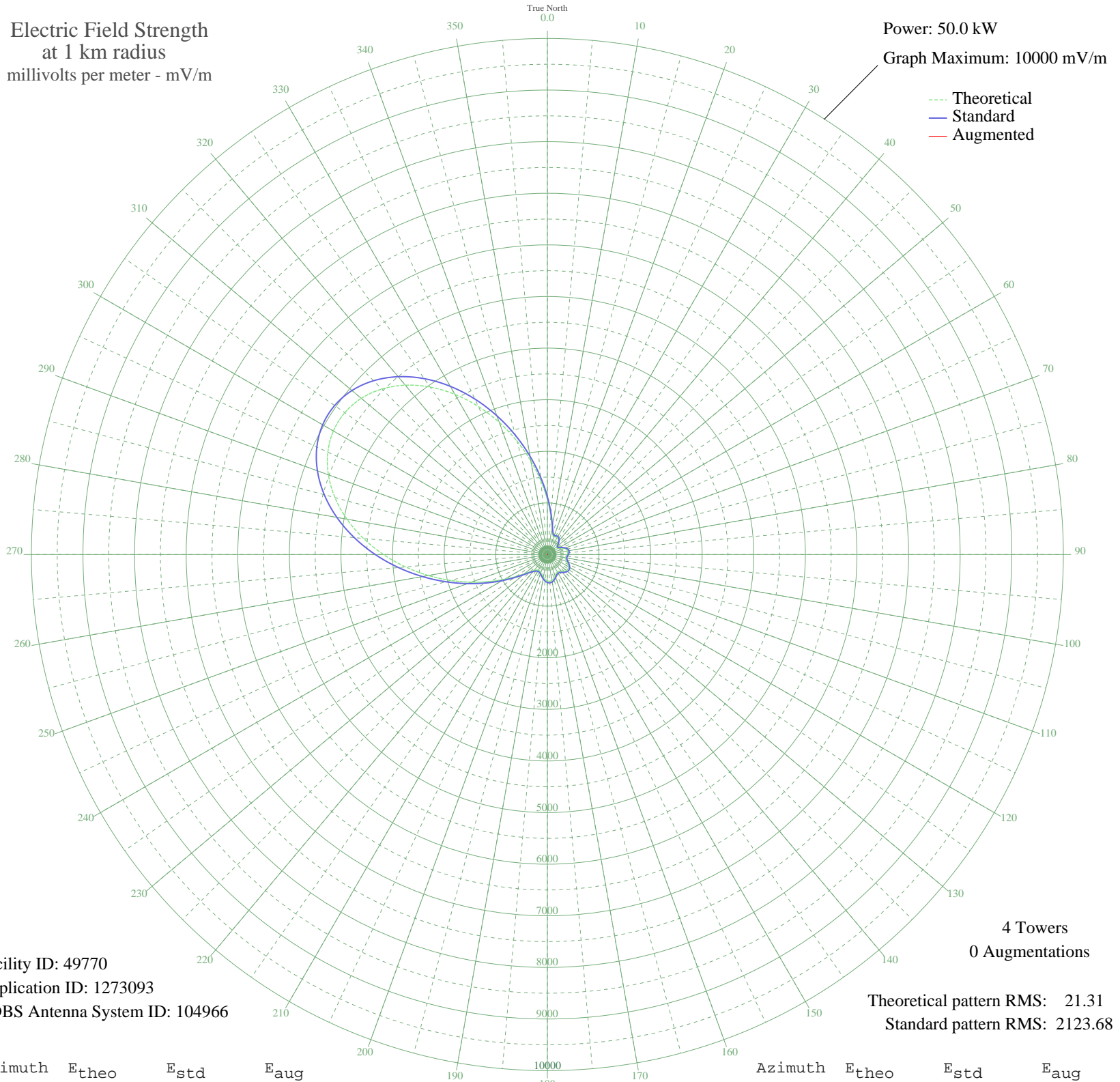


KTIS MINNEAPOLIS, MN BL-20081008ANA 900 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 10000 mV/m



Facility ID: 49770
Application ID: 1273093
CDBS Antenna System ID: 104966

Theoretical pattern RMS: 21.31
Standard pattern RMS: 2123.68

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1066.00	1121.76	
5	760.54	802.02	
10	532.94	564.49	
15	402.51	429.11	
20	365.26	390.64	
25	373.47	399.11	
30	380.05	405.91	
35	365.43	390.82	
40	328.43	352.75	
45	278.44	301.64	
50	234.13	256.80	
55	220.66	243.29	
60	248.11	270.89	
65	298.02	321.60	
70	347.73	372.59	
75	383.66	409.63	
80	399.96	426.47	
85	396.92	423.33	
90	380.57	406.44	
95	362.30	387.60	
100	356.06	381.17	
105	370.71	396.26	
110	403.08	429.70	
115	440.98	468.94	
120	471.37	500.48	
125	485.29	514.94	
130	479.41	508.82	
135	456.38	484.91	
140	424.95	452.33	
145	398.82	425.29	
150	391.93	418.17	
155	409.50	436.34	
160	443.91	471.98	
165	481.22	510.71	
170	509.14	539.73	
175	520.12	551.15	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	511.62	542.31	
185	485.51	515.17	
190	447.40	475.60	
195	405.78	432.49	
200	370.51	396.06	
205	350.03	374.96	
210	348.32	373.19	
215	365.43	390.82	
220	403.07	429.69	
225	469.50	498.54	
230	577.98	611.40	
235	739.99	780.53	
240	960.54	1011.30	
245	1238.33	1302.37	
250	1567.51	1647.56	
255	1938.87	2037.16	
260	2340.43	2458.58	
265	2758.02	2896.87	
270	3175.74	3335.35	
275	3576.79	3756.36	
280	3944.30	4142.18	
285	4262.20	4475.93	
290	4516.19	4742.58	
295	4694.47	4929.75	
300	4788.46	5028.43	
305	4793.28	5033.49	
310	4708.01	4943.97	
315	4535.77	4763.14	
320	4283.55	4498.34	
325	3961.82	4160.57	
330	3583.99	3763.92	
335	3165.67	3324.78	
340	2723.85	2861.01	
345	2276.06	2391.01	
350	1839.59	1932.99	
355	1430.98	1504.37	

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