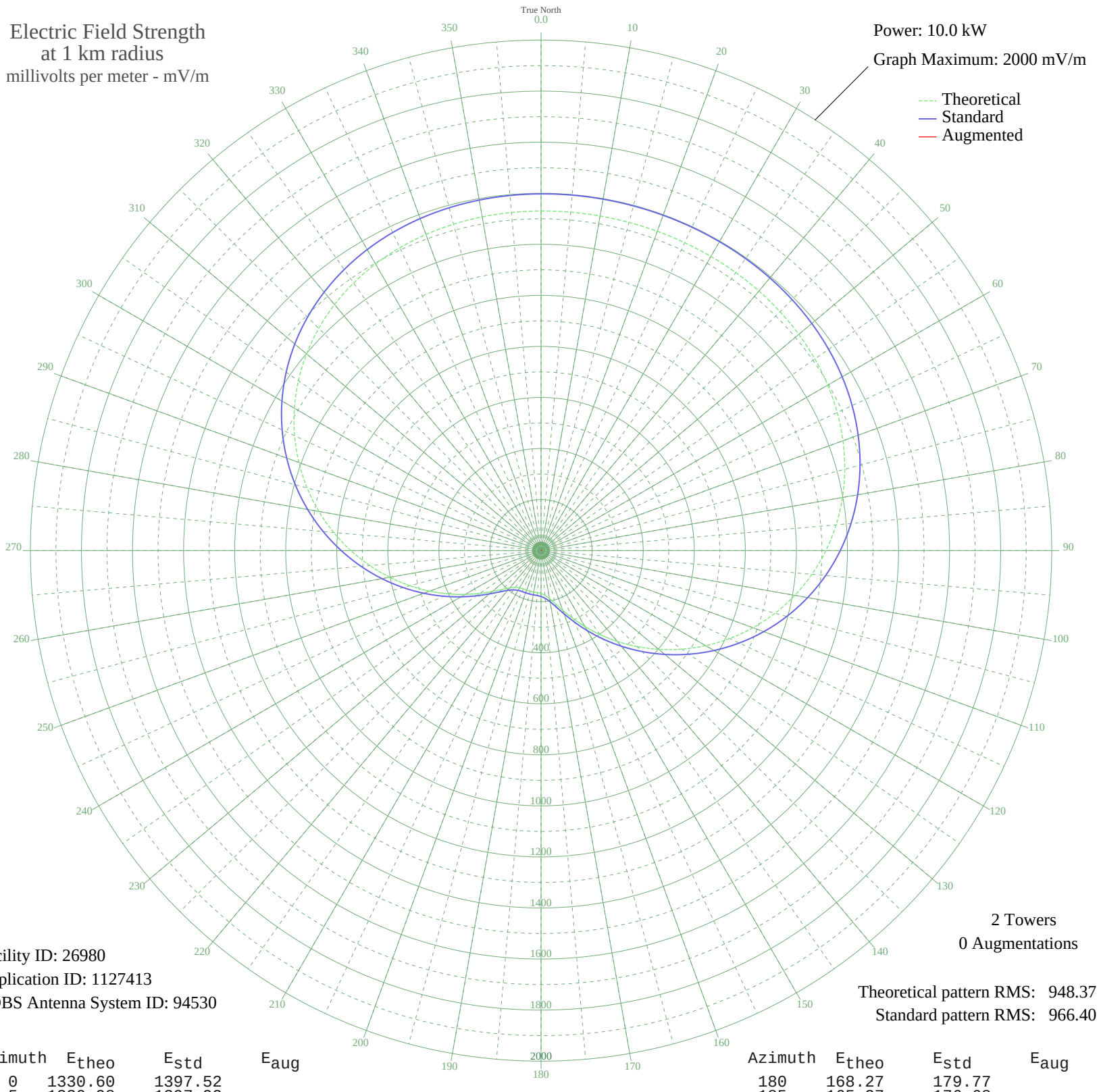
WBHR SAUK RAPIDS, MN BL-20060414ABT 660 kHz

Daytime

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



Power: 10.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 26980
Application ID: 1127413
CDBS Antenna System ID: 94530

Theoretical pattern RMS: 948.37
Standard pattern RMS: 966.40

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1330.60	1397.52	
5	1330.98	1397.92	
10	1331.06	1398.01	
15	1331.07	1398.02	
20	1331.06	1398.01	
25	1330.98	1397.92	
30	1330.60	1397.52	
35	1329.60	1396.47	
40	1327.52	1394.29	
45	1323.82	1390.41	
50	1317.87	1384.16	
55	1309.01	1374.86	
60	1296.55	1361.78	
65	1279.84	1344.24	
70	1258.28	1321.61	
75	1231.36	1293.35	
80	1198.71	1259.08	
85	1160.11	1218.56	
90	1115.51	1171.76	
95	1065.09	1118.83	
100	1009.19	1060.17	
105	948.37	996.34	
110	883.38	928.14	
115	815.11	856.51	
120	744.61	782.54	
125	673.03	707.46	
130	601.59	632.54	
135	531.57	559.14	
140	464.27	488.62	
145	401.03	422.39	
150	343.18	361.86	
155	292.08	308.48	
160	249.05	263.60	
165	215.20	228.39	
170	191.04	203.32	
175	176.00	187.76	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	168.27	179.77	
185	165.27	176.68	
190	164.56	175.95	
195	164.51	175.90	
200	164.56	175.95	
205	165.27	176.68	
210	168.27	179.77	
215	176.00	187.76	
220	191.04	203.32	
225	215.20	228.39	
230	249.05	263.60	
235	292.08	308.48	
240	343.18	361.86	
245	401.03	422.39	
250	464.27	488.62	
255	531.57	559.14	
260	601.59	632.54	
265	673.03	707.46	
270	744.61	782.54	
275	815.11	856.51	
280	883.38	928.14	
285	948.37	996.34	
290	1009.19	1060.17	
295	1065.09	1118.83	
300	1115.51	1171.76	
305	1160.11	1218.56	
310	1198.71	1259.08	
315	1231.36	1293.35	
320	1258.28	1321.61	
325	1279.84	1344.24	
330	1296.55	1361.78	
335	1309.01	1374.86	
340	1317.87	1384.16	
345	1323.82	1390.41	
350	1327.52	1394.29	
355	1329.60	1396.47	

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