

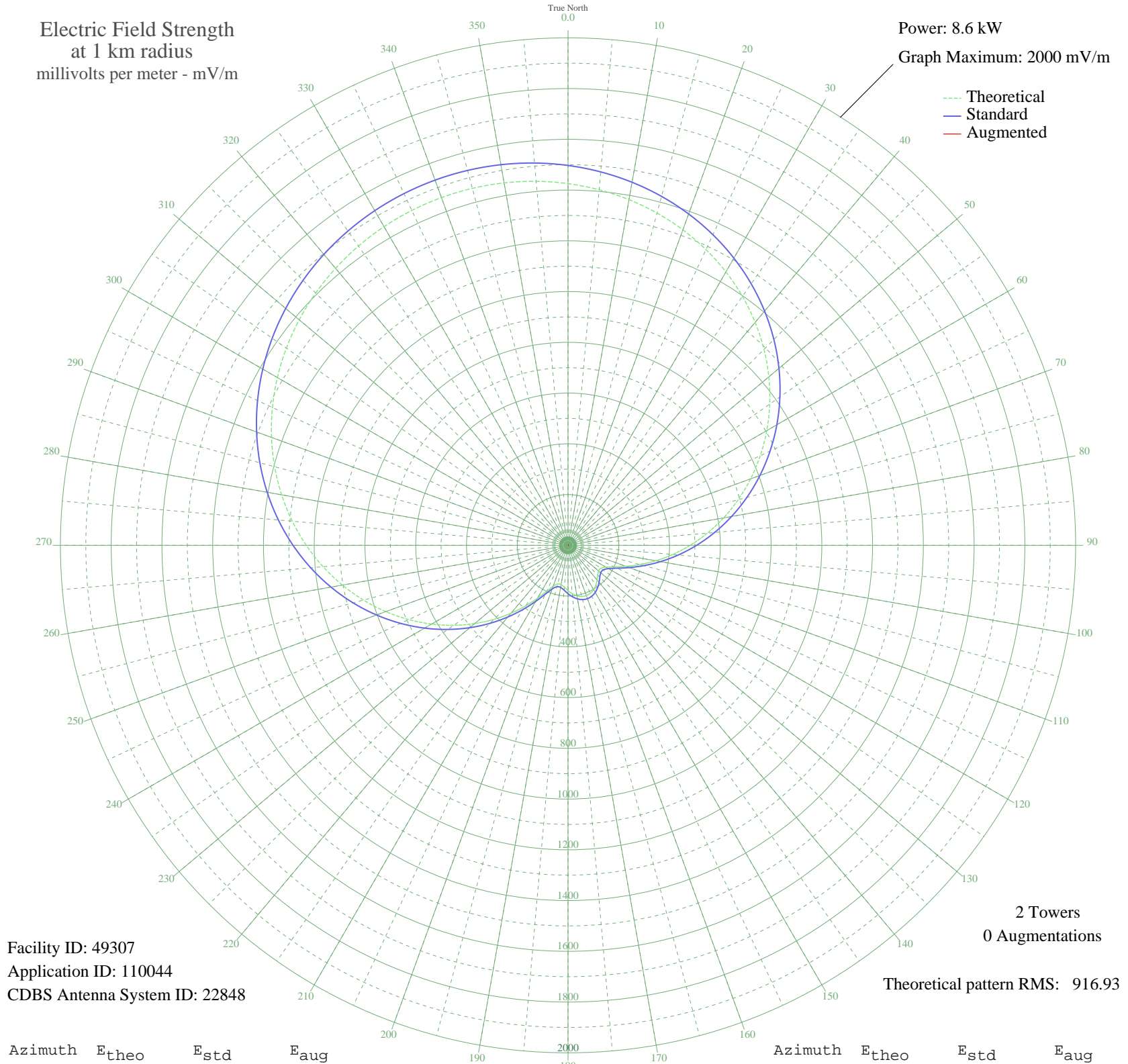
KQSP SHAKOPEE, MN BL-19880307AH 1530 kHz

Daytime

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

Power: 8.6 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 49307
Application ID: 110044
CDBS Antenna System ID: 22848

2 Towers
0 Augmentations

Theoretical pattern RMS: 916.93

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1425.38	1497.03	
5	1406.53	1477.24	
10	1383.25	1452.81	
15	1355.45	1423.62	
20	1323.03	1389.59	
25	1285.95	1350.67	
30	1244.21	1306.86	
35	1197.86	1258.20	
40	1147.01	1204.83	
45	1091.89	1146.98	
50	1032.78	1084.94	
55	970.07	1019.12	
60	904.23	950.04	
65	835.84	878.28	
70	765.56	804.55	
75	694.13	729.61	
80	622.35	654.33	
85	551.11	579.64	
90	481.38	506.57	
95	414.24	436.25	
100	350.91	369.99	
105	292.87	309.35	
110	242.01	256.33	
115	200.78	213.48	
120	172.03	183.74	
125	157.81	169.08	
130	157.11	168.36	
135	165.65	177.15	
140	178.28	190.19	
145	191.07	203.42	
150	201.55	214.29	
155	208.33	221.32	
160	210.70	223.78	
165	208.44	221.43	
170	201.75	214.50	
175	191.34	203.70	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	178.58	190.50	
185	165.91	177.42	
190	157.22	168.48	
195	157.65	168.92	
200	171.54	183.24	
205	199.97	212.65	
210	240.95	255.22	
215	291.62	308.05	
220	349.52	368.54	
225	412.75	434.69	
230	479.82	504.93	
235	549.50	577.95	
240	620.71	652.61	
245	692.49	727.89	
250	763.94	802.85	
255	834.26	876.62	
260	902.70	948.43	
265	968.60	1017.58	
270	1031.39	1083.48	
275	1090.58	1145.61	
280	1145.80	1203.56	
285	1196.75	1257.03	
290	1243.21	1305.80	
295	1285.05	1349.73	
300	1322.24	1388.76	
305	1354.76	1422.90	
310	1382.67	1452.19	
315	1406.05	1476.74	
320	1425.00	1496.63	
325	1439.61	1511.97	
330	1449.99	1522.86	
335	1456.21	1529.39	
340	1458.30	1531.59	
345	1456.30	1529.48	
350	1450.18	1523.06	
355	1439.90	1512.27	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission