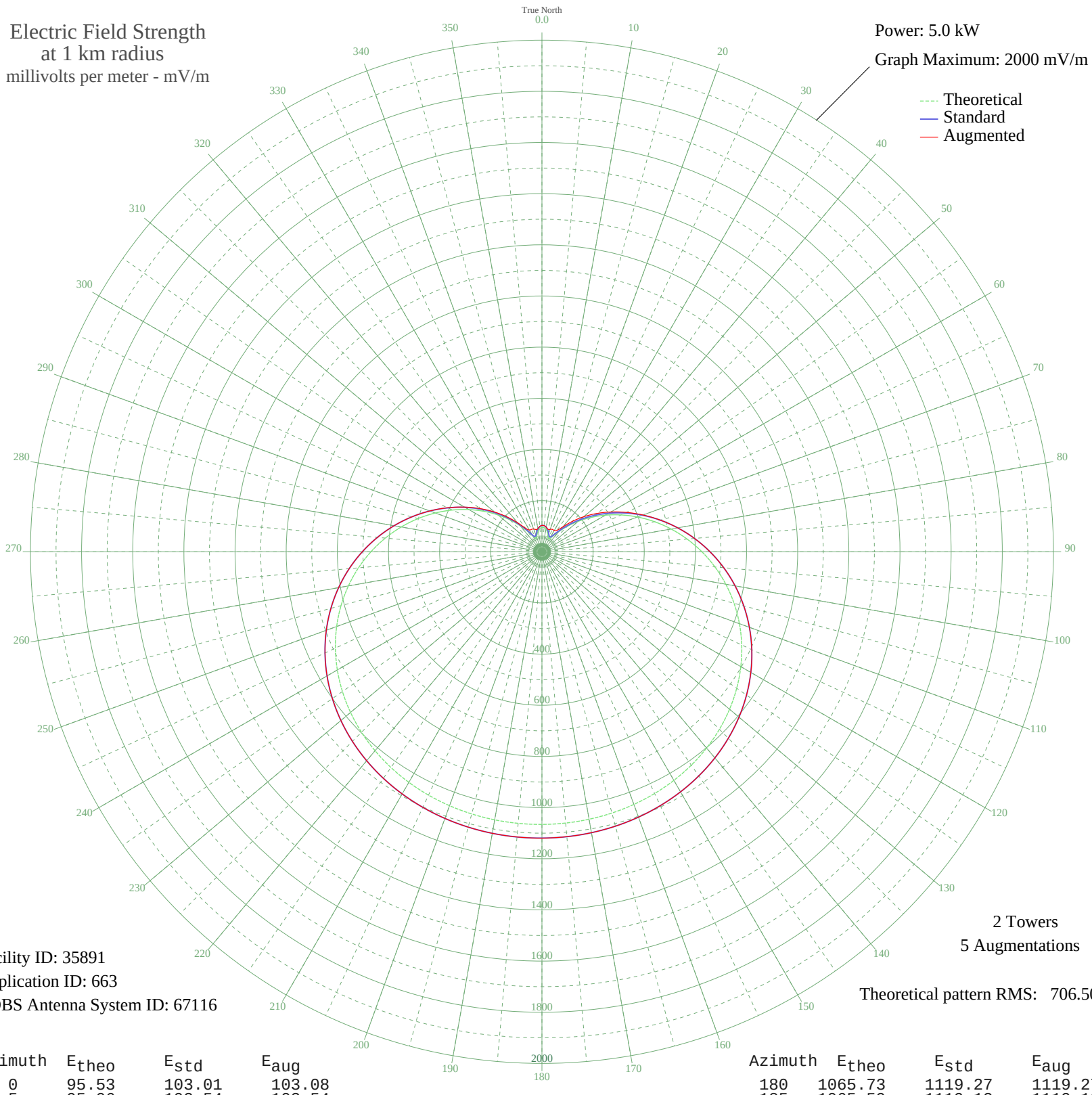
KWMT FORT DODGE, IA BL-14509 540 kHz

Daytime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
5 Augmentations

Facility ID: 35891
Application ID: 663
CDBS Antenna System ID: 67116

Theoretical pattern RMS: 706.50

Azimuth	E_{theo}	E_{std}	E_{aug}
0	95.53	103.01	103.08
5	95.06	102.54	102.54
10	90.08	97.45	97.45
15	81.13	88.36	91.06
20	69.78	76.94	93.36
25	59.90	67.14	96.70
30	59.27	66.51	96.11
35	74.47	81.64	102.44
40	103.35	111.03	127.13
45	141.22	150.13	167.96
50	185.27	195.95	213.06
55	233.94	246.76	260.81
60	286.15	301.37	311.19
65	340.98	358.79	364.40
70	397.59	418.12	420.43
75	455.15	478.48	478.92
80	512.86	539.01	539.01
85	569.92	598.87	598.87
90	625.58	657.28	657.28
95	679.17	713.51	713.51
100	730.05	766.91	766.91
105	777.72	816.94	816.94
110	821.76	863.17	863.17
115	861.89	905.29	905.29
120	897.92	943.11	943.11
125	929.81	976.58	976.58
130	957.59	1005.75	1005.75
135	981.43	1030.77	1030.77
140	1001.55	1051.89	1051.89
145	1018.24	1069.41	1069.41
150	1031.82	1083.66	1083.66
155	1042.63	1095.01	1095.01
160	1051.01	1103.81	1103.81
165	1057.27	1110.38	1110.38
170	1061.68	1115.01	1115.01
175	1064.45	1117.92	1117.92

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1065.73	1119.27	1119.27
185	1065.59	1119.12	1119.12
190	1064.02	1117.47	1117.47
195	1060.93	1114.23	1114.23
200	1056.17	1109.23	1109.23
205	1049.51	1102.24	1102.24
210	1040.67	1092.96	1092.96
215	1029.33	1081.06	1081.06
220	1015.16	1066.18	1066.18
225	997.81	1047.97	1047.97
230	976.97	1026.09	1026.09
235	952.36	1000.25	1000.25
240	923.76	970.23	970.23
245	891.05	935.89	935.89
250	854.19	897.20	897.20
255	813.26	854.25	854.25
260	768.47	807.23	807.23
265	720.12	756.49	756.49
270	668.65	702.47	702.47
275	614.60	645.75	645.75
280	558.59	586.99	586.99
285	501.34	526.93	526.93
290	443.60	466.37	466.62
295	386.16	406.15	407.20
300	329.84	347.13	349.48
305	275.47	290.19	294.11
310	223.90	236.26	241.64
315	176.05	186.34	192.62
320	133.08	141.70	147.87
325	96.73	104.24	112.78
330	70.17	77.33	98.21
335	58.22	65.48	96.59
340	61.44	68.65	94.65
345	72.11	79.27	90.09
350	83.18	90.44	91.68
355	91.42	98.82	99.44