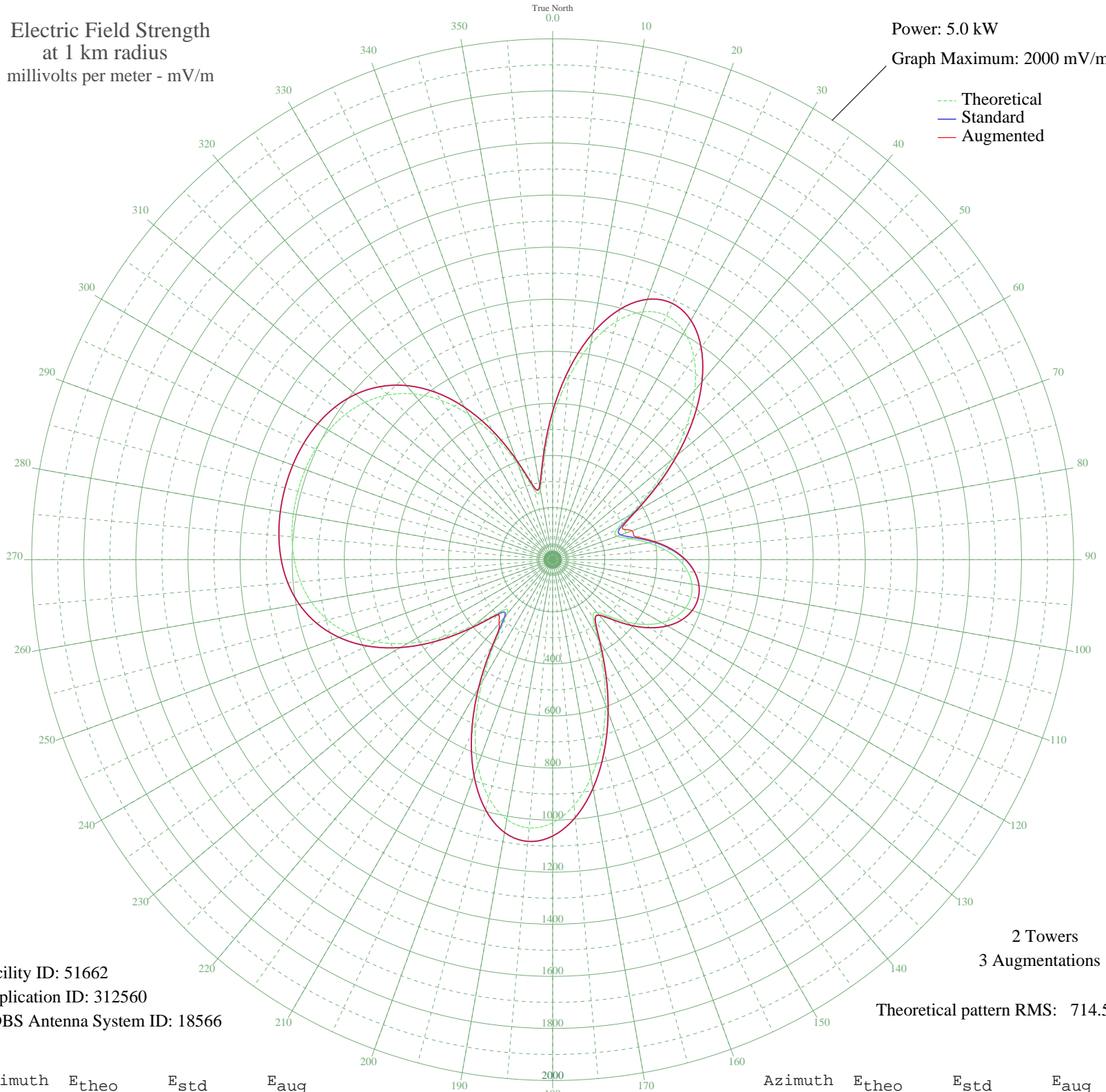


KWLO WATERLOO, IA BL-- 1330 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 51662
Application ID: 312560
CDBS Antenna System ID: 18566

2 Towers
3 Augmentations
Theoretical pattern RMS: 714.55

Azimuth	E _{theo}	E _{std}	E _{aug}
0	541.27	568.82	568.82
5	700.71	736.12	736.12
10	840.25	882.57	882.57
15	946.99	994.62	994.62
20	1012.86	1063.76	1063.76
25	1033.98	1085.93	1085.93
30	1010.53	1061.31	1061.31
35	946.43	994.03	994.03
40	848.79	891.53	891.72
45	727.10	763.81	764.62
50	592.72	622.80	624.84
55	458.97	482.49	486.63
60	343.19	361.11	368.41
65	270.54	285.04	295.78
70	263.93	278.12	324.11
75	309.38	325.69	335.14
80	372.70	392.04	398.78
85	433.58	455.86	460.25
90	483.82	508.55	511.06
95	520.45	546.98	548.11
100	542.55	570.16	570.45
105	549.92	577.89	577.89
110	542.55	570.16	570.16
115	520.45	546.98	546.98
120	483.82	508.55	508.55
125	433.58	455.86	455.86
130	372.70	392.04	392.04
135	309.38	325.69	325.69
140	263.93	278.12	278.12
145	270.54	285.04	285.04
150	343.19	361.11	361.11
155	458.97	482.49	482.49
160	592.72	622.80	622.80
165	727.10	763.81	763.81
170	848.79	891.53	891.53
175	946.43	994.03	994.03

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1010.53	1061.31	1061.31
185	1033.98	1085.93	1085.93
190	1012.86	1063.76	1063.76
195	946.99	994.62	994.62
200	840.25	882.57	882.57
205	700.71	736.12	736.12
210	541.27	568.82	568.82
215	383.30	403.15	403.15
220	272.03	286.59	319.43
225	280.54	295.50	299.03
230	388.12	408.20	408.20
235	519.37	545.84	545.84
240	642.36	674.88	674.88
245	746.98	784.68	784.68
250	830.70	872.55	872.55
255	894.31	939.32	939.32
260	940.29	987.58	987.58
265	971.83	1020.69	1020.69
270	992.25	1042.13	1042.13
275	1004.50	1054.98	1054.98
280	1010.88	1061.68	1061.68
285	1012.84	1063.74	1063.74
290	1010.88	1061.68	1061.68
295	1004.50	1054.98	1054.98
300	992.25	1042.13	1042.13
305	971.83	1020.69	1020.69
310	940.29	987.58	987.58
315	894.31	939.32	939.32
320	830.70	872.55	872.55
325	746.98	784.68	784.68
330	642.36	674.88	674.88
335	519.37	545.84	545.84
340	388.12	408.20	408.20
345	280.54	295.50	295.50
350	272.03	286.60	286.60
355	383.30	403.15	403.15

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission