

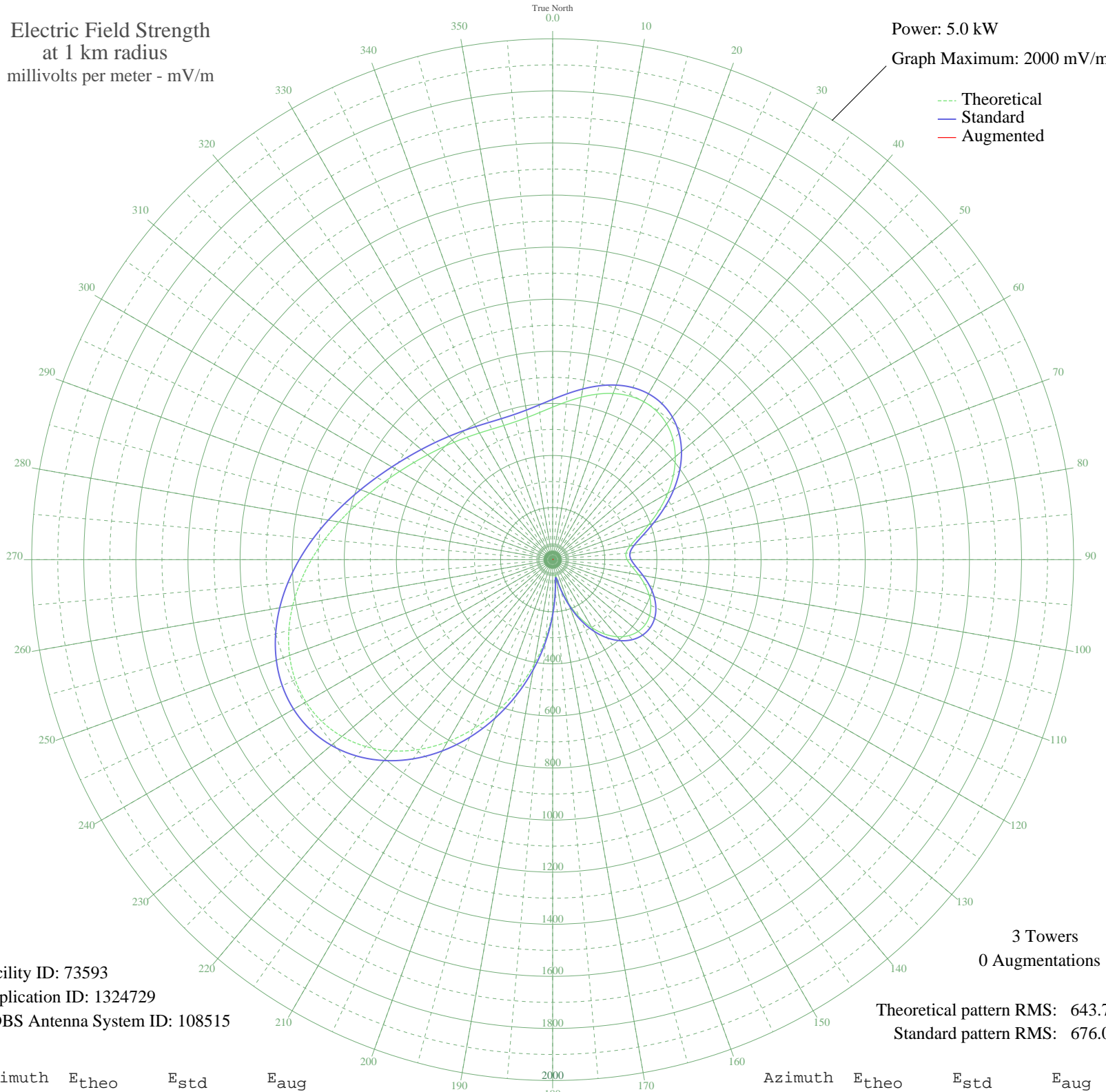
WMT CEDAR RAPIDS, IA BP-20090424AAC 600 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 73593  
Application ID: 1324729  
CDBS Antenna System ID: 108515

3 Towers  
0 Augmentations

Theoretical pattern RMS: 643.74  
Standard pattern RMS: 676.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	585.78	615.52	
5	608.50	639.35	
10	633.43	665.51	
15	657.88	691.17	
20	678.96	713.29	
25	693.87	728.95	
30	700.21	735.60	
35	696.14	731.32	
40	680.53	714.94	
45	653.11	686.17	
50	614.47	645.62	
55	566.10	594.87	
60	510.46	536.50	
65	450.97	474.11	
70	392.22	412.50	
75	340.09	357.87	
80	301.58	317.53	
85	282.95	298.02	
90	285.92	301.13	
95	305.83	321.97	
100	334.81	352.34	
105	365.82	384.83	
110	393.89	414.25	
115	415.83	437.25	
120	429.66	451.76	
125	434.18	456.50	
130	428.66	450.71	
135	412.70	433.97	
140	386.13	406.12	
145	348.98	367.18	
150	301.48	317.43	
155	244.19	257.48	
160	178.39	188.78	
165	108.23	116.05	
170	60.98	68.20	
175	109.90	117.76	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	201.11	212.47	
185	302.36	318.35	
190	407.53	428.55	
195	513.37	539.55	
200	617.10	648.38	
205	716.00	752.16	
210	807.46	848.15	
215	889.06	933.80	
220	958.70	1006.91	
225	1014.74	1065.74	
230	1056.09	1109.15	
235	1082.29	1136.65	
240	1093.52	1148.43	
245	1090.61	1145.38	
250	1074.96	1128.95	
255	1048.42	1101.09	
260	1013.19	1064.11	
265	971.66	1020.51	
270	926.22	972.82	
275	879.19	923.45	
280	832.62	874.57	
285	788.21	827.96	
290	747.24	784.95	
295	710.47	746.36	
300	678.21	712.51	
305	650.34	683.26	
310	626.46	658.20	
315	606.01	636.75	
320	588.52	618.39	
325	573.72	602.86	
330	561.68	590.23	
335	552.90	581.02	
340	548.21	576.10	
345	548.59	576.50	
350	554.90	583.12	
355	567.46	596.29	

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