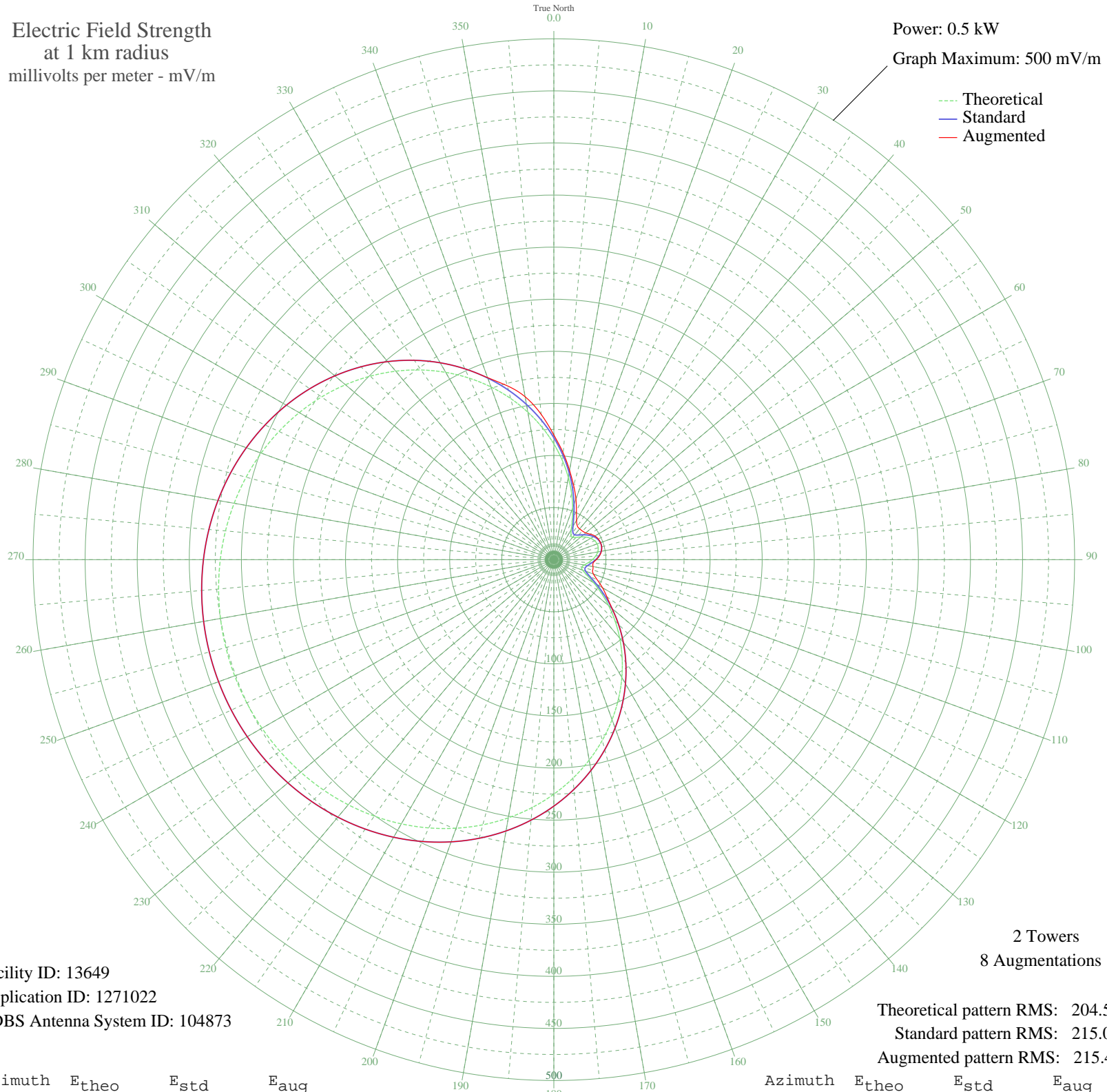


WRMS BEARDSTOWN, IL BL-20081003AEV 790 kHz

Daytime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 13649
Application ID: 1271022
CDBS Antenna System ID: 104873

Theoretical pattern RMS: 204.52
Standard pattern RMS: 215.01
Augmented pattern RMS: 215.48

Azimuth	E _{theo}	E _{std}	E _{aug}
0	111.07	117.10	119.72
5	95.25	100.56	102.86
10	80.09	84.75	87.00
15	65.87	69.96	73.59
20	52.97	56.60	61.96
25	41.91	45.24	51.36
30	33.48	36.68	43.57
35	28.67	31.88	39.38
40	27.91	31.13	38.57
45	30.22	33.42	38.82
50	33.91	37.12	39.96
55	37.70	40.96	42.65
60	40.90	44.21	45.48
65	43.14	46.50	47.05
70	44.24	47.62	47.67
75	44.11	47.49	47.53
80	42.78	46.13	46.36
85	40.33	43.63	44.07
90	36.98	40.22	40.74
95	33.13	36.34	37.85
100	29.60	32.80	38.16
105	27.77	30.99	38.62
110	29.30	32.51	40.46
115	34.90	38.12	46.07
120	43.94	47.31	53.97
125	55.42	59.13	62.16
130	68.62	72.81	73.07
135	83.06	87.84	87.84
140	98.37	103.82	103.82
145	114.30	120.47	120.47
150	130.59	137.52	137.52
155	147.04	154.75	154.75
160	163.44	171.93	171.93
165	179.61	188.88	188.88
170	195.38	205.42	205.42
175	210.59	221.37	221.37

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

Azimuth	E _{theo}	E _{std}	E _{aug}
180	225.12	236.61	236.61
185	238.84	251.00	251.00
190	251.66	264.45	264.45
195	263.51	276.89	276.89
200	274.35	288.26	288.26
205	284.13	298.52	298.52
210	292.86	307.68	307.68
215	300.52	315.72	315.72
220	307.13	322.65	322.65
225	312.71	328.51	328.51
230	317.29	333.32	333.32
235	320.90	337.10	337.10
240	323.55	339.89	339.89
245	325.28	341.70	341.70
250	326.09	342.56	342.56
255	326.00	342.47	342.47
260	325.01	341.42	341.42
265	323.10	339.41	339.41
270	320.25	336.43	336.43
275	316.45	332.44	332.44
280	311.67	327.43	327.43
285	305.89	321.35	321.35
290	299.07	314.20	314.20
295	291.20	305.94	305.94
300	282.26	296.56	296.56
305	272.26	286.07	286.07
310	261.22	274.48	274.48
315	249.17	261.84	261.84
320	236.16	248.19	248.19
325	222.27	233.62	233.62
330	207.60	218.23	218.23
335	192.27	202.15	202.15
340	176.40	185.52	185.94
345	160.17	168.51	172.80
350	143.75	151.30	158.81
355	127.31	134.09	140.11