

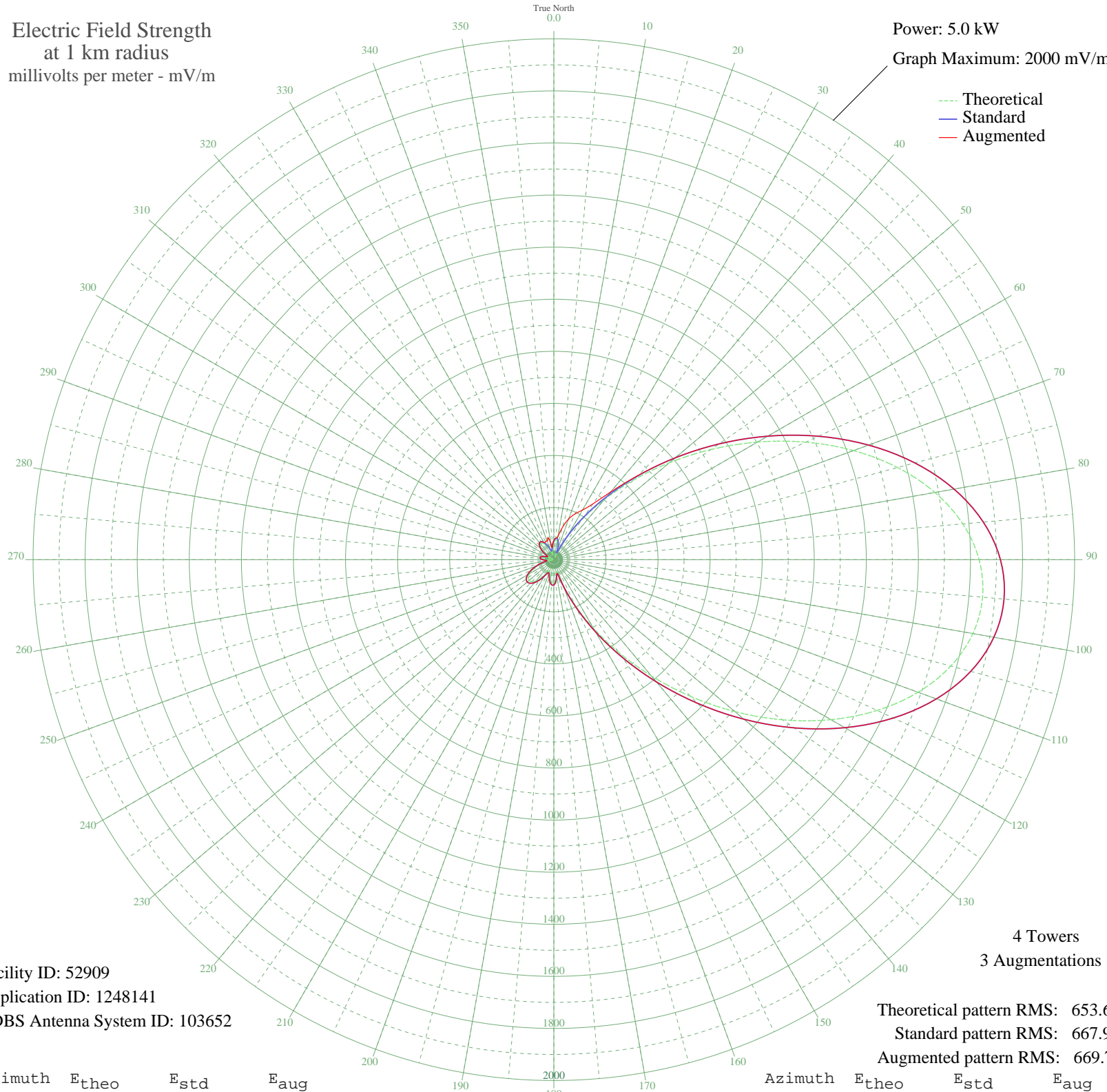
WKTA EVANSTON, IL BMP-20080624ACA 1330 kHz

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



Facility ID: 52909
Application ID: 1248141
CDBS Antenna System ID: 103652

4 Towers
3 Augmentations

Theoretical pattern RMS: 653.69
Standard pattern RMS: 667.94
Augmented pattern RMS: 669.70

Azimuth	E _{theo}	E _{std}	E _{aug}
0	65.06	72.95	72.95
5	74.61	82.41	82.41
10	73.29	81.10	92.04
15	58.16	66.21	128.55
20	27.15	38.30	166.09
25	26.67	37.93	194.43
30	96.36	104.37	219.78
35	187.94	198.99	261.32
40	300.17	316.22	338.92
45	431.38	453.67	457.32
50	578.63	608.10	608.10
55	737.64	774.95	774.95
60	902.86	948.35	948.35
65	1067.69	1121.36	1121.36
70	1224.82	1286.31	1286.31
75	1366.70	1435.26	1435.26
80	1486.09	1560.60	1560.60
85	1576.58	1655.61	1655.61
90	1633.18	1715.03	1715.03
95	1652.69	1735.51	1735.51
100	1634.02	1715.91	1715.91
105	1578.26	1657.37	1657.37
110	1488.57	1563.21	1563.21
115	1369.93	1438.66	1438.66
120	1228.68	1290.37	1290.37
125	1072.01	1125.90	1125.90
130	907.40	953.11	953.11
135	742.12	779.65	779.65
140	582.80	612.48	612.48
145	435.09	457.56	457.56
150	303.53	319.73	319.73
155	191.70	202.90	202.90
160	103.31	111.46	111.46
165	49.42	57.85	57.85
170	54.21	62.41	62.41
175	77.02	84.82	84.82

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

Azimuth	E _{theo}	E _{std}	E _{aug}
180	89.33	97.23	97.23
185	88.97	96.86	96.86
190	78.28	86.08	86.08
195	61.58	69.54	69.54
200	46.96	55.55	55.55
205	47.65	56.19	56.19
210	64.97	72.86	72.86
215	87.06	94.93	94.93
220	106.49	114.71	114.71
225	119.66	128.22	128.22
230	124.67	133.39	133.39
235	120.84	129.43	129.43
240	108.46	116.72	116.72
245	88.80	96.69	96.69
250	63.96	71.86	71.86
255	36.64	46.21	46.21
260	10.46	27.84	27.84
265	15.23	30.17	30.17
270	32.68	42.81	42.81
275	42.84	51.75	51.75
280	44.54	53.31	53.31
285	37.94	47.35	47.35
290	24.21	36.06	36.06
295	5.83	26.31	26.31
300	16.88	31.12	31.12
305	38.24	47.61	47.61
310	56.89	64.99	64.99
315	70.47	78.30	78.30
320	77.34	85.15	85.15
325	76.67	84.47	84.47
330	68.51	76.35	76.35
335	53.90	62.11	75.50
340	35.32	45.06	75.59
345	20.62	33.52	88.01
350	28.71	39.54	53.33
355	48.12	56.64	56.64