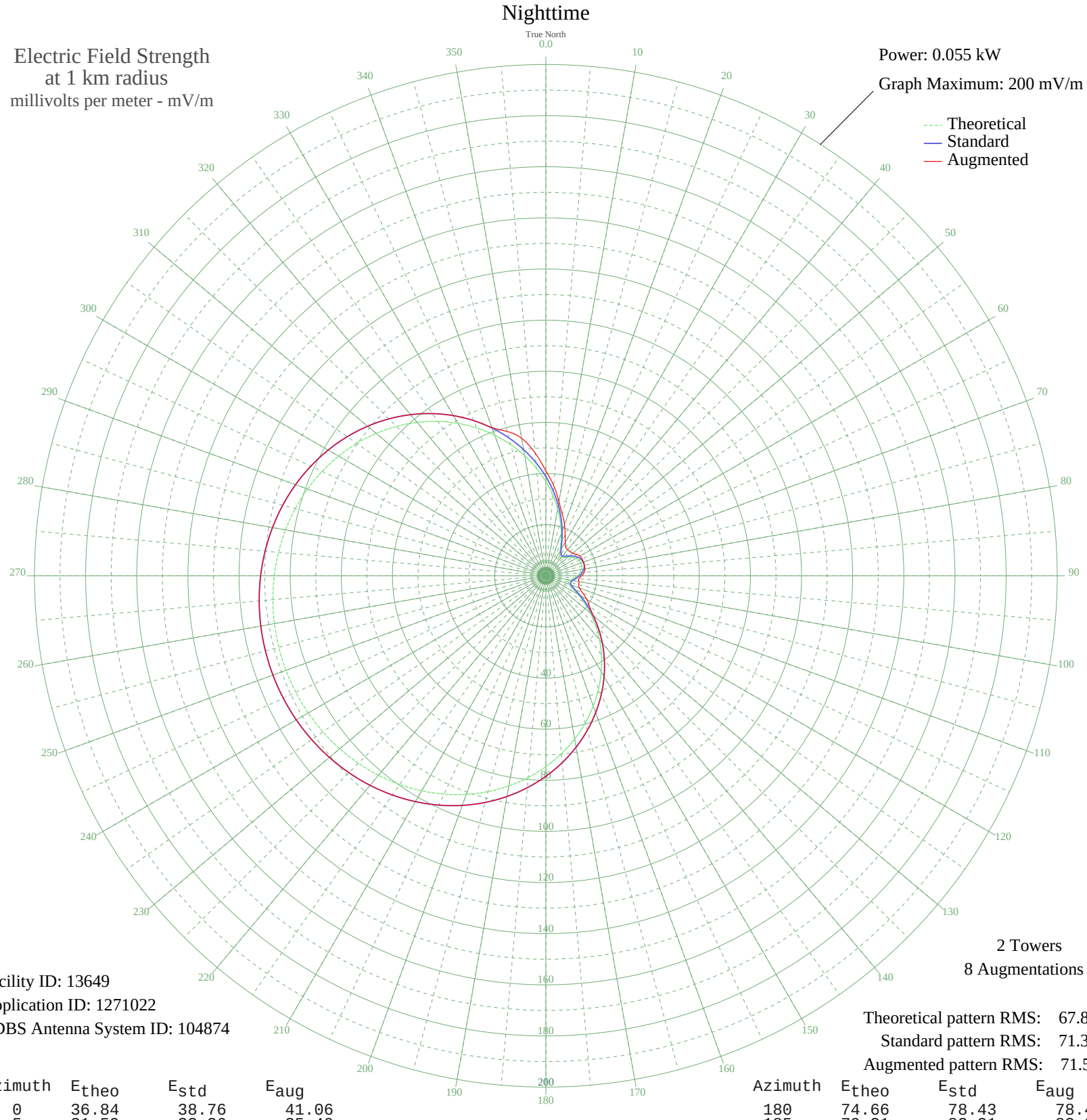
WRMS BEARDSTOWN, IL BL-20081003AEV 790 kHz

Nighttime

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



2 Towers
8 Augmentations

Facility ID: 13649
Application ID: 1271022
CDBS Antenna System ID: 104874

Theoretical pattern RMS: 67.83
Standard pattern RMS: 71.32
Augmented pattern RMS: 71.58

Azimuth	E_{theo}	E_{std}	E_{aug}
0	36.84	38.76	41.06
5	31.59	33.26	35.40
10	26.56	28.00	29.48
15	21.85	23.07	24.91
20	17.57	18.61	21.30
25	13.90	14.80	17.81
30	11.10	11.91	15.12
35	9.51	10.28	13.58
40	9.26	10.03	13.28
45	10.02	10.81	13.37
50	11.25	12.06	13.74
55	12.50	13.36	14.60
60	13.57	14.46	15.39
65	14.31	15.22	15.63
70	14.67	15.60	15.64
75	14.63	15.56	15.62
80	14.19	15.10	15.50
85	13.38	14.26	15.04
90	12.26	13.11	14.04
95	10.99	11.80	12.97
100	9.82	10.60	13.10
105	9.21	9.98	13.30
110	9.72	10.50	13.98
115	11.58	12.40	15.93
120	14.57	15.50	18.47
125	18.38	19.46	20.82
130	22.76	24.02	24.14
135	27.55	29.03	29.03
140	32.63	34.34	34.34
145	37.91	39.88	39.88
150	43.31	45.54	45.54
155	48.77	51.26	51.26
160	54.21	56.97	56.97
165	59.57	62.60	62.60
170	64.80	68.08	68.08
175	69.84	73.38	73.38

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.

1 Apr 2015

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	74.66	78.43	78.43
185	79.21	83.21	83.21
190	83.46	87.67	87.67
195	87.40	91.80	91.80
200	90.99	95.57	95.57
205	94.23	98.98	98.98
210	97.13	102.01	102.01
215	99.67	104.68	104.68
220	101.86	106.98	106.98
225	103.71	108.93	108.93
230	105.23	110.52	110.52
235	106.43	111.78	111.78
240	107.31	112.70	112.70
245	107.88	113.30	113.30
250	108.15	113.59	113.59
255	108.12	113.55	113.55
260	107.79	113.21	113.21
265	107.16	112.54	112.54
270	106.21	111.55	111.55
275	104.95	110.23	110.23
280	103.37	108.56	108.56
285	101.45	106.55	106.55
290	99.19	104.18	104.18
295	96.58	101.44	101.44
300	93.61	98.32	98.32
305	90.30	94.84	94.84
310	86.64	91.00	91.00
315	82.64	86.81	86.81
320	78.32	82.28	82.28
325	73.72	77.44	77.44
330	68.85	72.34	72.34
335	63.77	67.00	67.00
340	58.51	61.48	61.74
345	53.12	55.83	58.42
350	47.67	50.12	54.60
355	42.22	44.40	48.25