

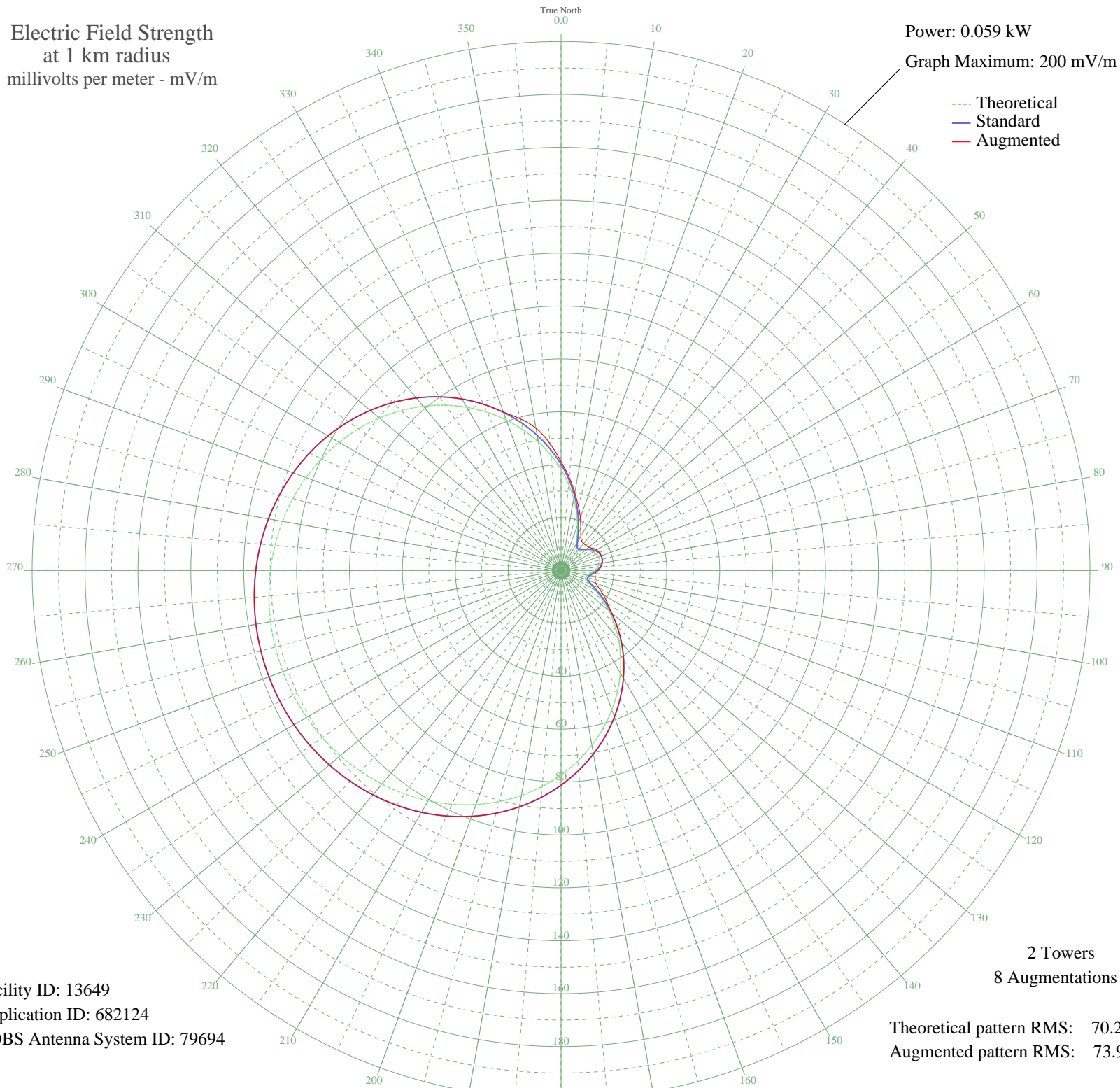
WRMS BEARDSTOWN, IL BL-20030819AEN 790 kHz

Nighttime

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

Power: 0.059 kW

Graph Maximum: 200 mV/m



Facility ID: 13649  
Application ID: 682124  
CDBS Antenna System ID: 79694

Theoretical pattern RMS: 70.21  
Augmented pattern RMS: 73.98

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	38.13	40.11	41.14
5	32.69	34.42	35.34
10	27.49	28.98	29.85
15	22.61	23.88	25.26
20	18.18	19.26	21.30
25	14.38	15.32	17.66
30	11.49	12.33	14.99
35	9.84	10.64	13.56
40	9.58	10.38	13.28
45	10.37	11.19	13.34
50	11.64	12.48	13.69
55	12.94	13.83	14.60
60	14.04	14.96	15.54
65	14.81	15.76	16.01
70	15.18	16.15	16.17
75	15.14	16.10	16.13
80	14.68	15.63	15.82
85	13.84	14.76	15.14
90	12.69	13.57	14.02
95	11.37	12.21	12.98
100	10.16	10.97	13.11
105	9.53	10.33	13.30
110	10.06	10.86	13.93
115	11.98	12.84	15.84
120	15.08	16.04	18.54
125	19.02	20.14	21.28
130	23.55	24.86	24.96
135	28.51	30.04	30.04
140	33.77	35.55	35.55
145	39.23	41.27	41.27
150	44.82	47.13	47.13
155	50.47	53.05	53.05
160	56.10	58.96	58.96
165	61.65	64.78	64.78
170	67.06	70.46	70.46
175	72.28	75.94	75.94

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	77.27	81.17	81.17
185	81.98	86.12	86.12
190	86.38	90.73	90.73
195	90.45	95.01	95.01
200	94.17	98.91	98.91
205	97.53	102.43	102.43
210	100.52	105.58	105.58
215	103.15	108.34	108.34
220	105.42	110.72	110.72
225	107.34	112.73	112.73
230	108.91	114.38	114.38
235	110.15	115.68	115.68
240	111.06	116.64	116.64
245	111.65	117.26	117.26
250	111.93	117.55	117.55
255	111.90	117.52	117.52
260	111.56	117.16	117.16
265	110.90	116.47	116.47
270	109.92	115.45	115.45
275	108.62	114.08	114.08
280	106.98	112.36	112.36
285	104.99	110.27	110.27
290	102.65	107.82	107.82
295	99.95	104.98	104.98
300	96.88	101.76	101.76
305	93.45	98.16	98.16
310	89.66	94.18	94.18
315	85.53	89.84	89.84
320	81.06	85.15	85.15
325	76.29	80.15	80.15
330	71.26	74.86	74.86
335	65.99	69.34	69.34
340	60.55	63.63	63.78
345	54.98	57.78	59.35
350	49.34	51.87	54.60
355	43.70	45.95	48.17

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission