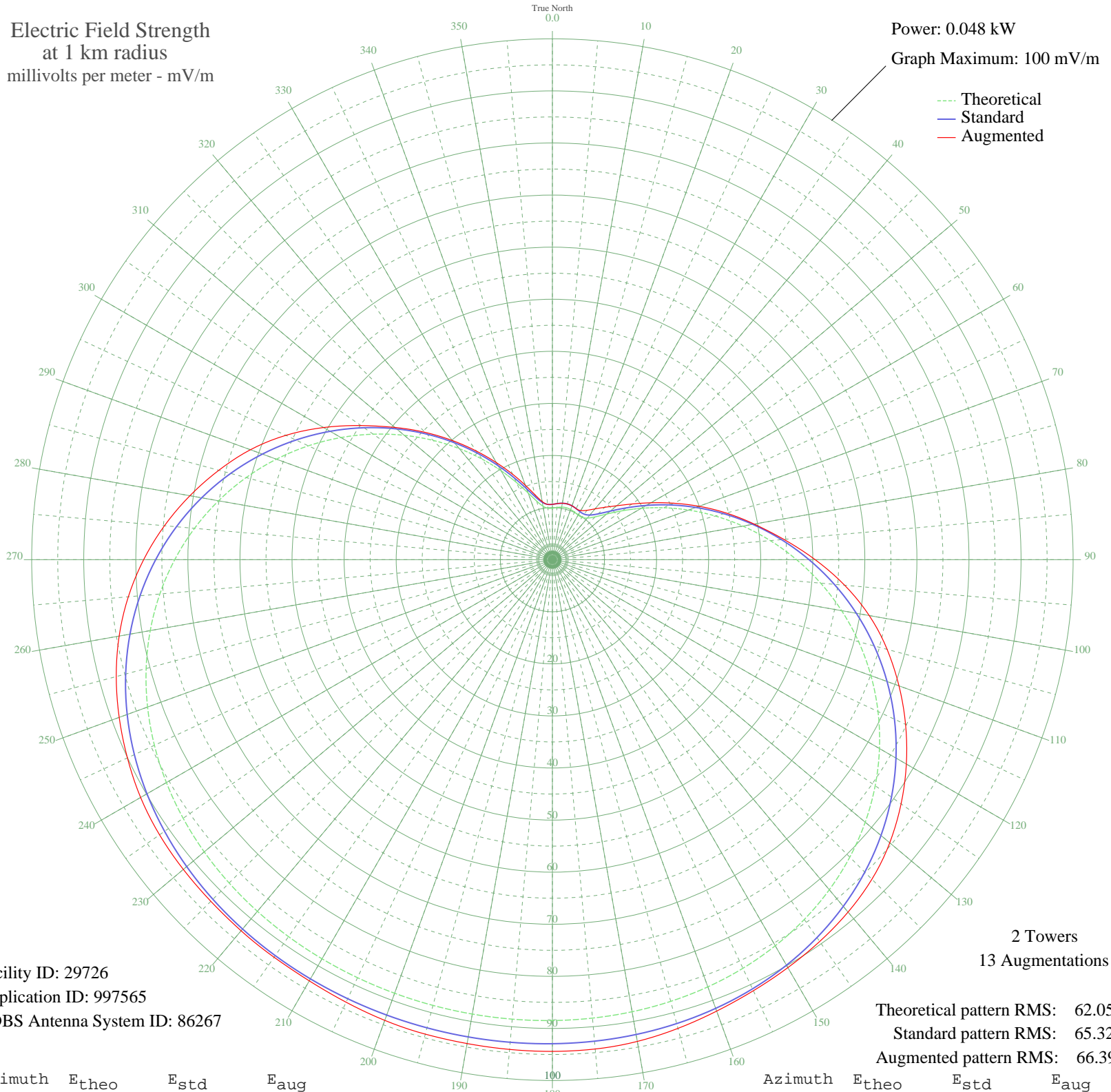


KILR ESTHERVILLE, IA BL-20040519AFH 1070 kHz

Nighttime

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

Power: 0.048 kW
Graph Maximum: 100 mV/m



Facility ID: 29726
Application ID: 997565
CDBS Antenna System ID: 86267

2 Towers
13 Augmentations

Theoretical pattern RMS: 62.05
Standard pattern RMS: 65.32
Augmented pattern RMS: 66.39

Azimuth	E _{theo}	E _{std}	E _{aug}
0	9.88	10.62	10.62
5	10.06	10.81	10.81
10	10.24	11.00	11.00
15	10.32	11.08	11.08
20	10.24	11.00	11.00
25	10.06	10.81	10.81
30	9.88	10.62	10.89
35	9.91	10.66	11.57
40	10.42	11.18	12.73
45	11.63	12.43	14.22
50	13.63	14.49	16.09
55	16.36	17.33	18.63
60	19.72	20.83	21.84
65	23.58	24.87	25.65
70	27.84	29.32	29.97
75	32.39	34.09	34.58
80	37.14	39.06	39.35
85	42.00	44.16	44.63
90	46.89	49.28	50.46
95	51.71	54.35	56.34
100	56.40	59.27	61.78
105	60.89	63.97	66.55
110	65.10	68.39	70.83
115	68.99	72.48	74.83
120	72.53	76.19	78.49
125	75.68	79.49	81.75
130	78.42	82.38	84.57
135	80.77	84.84	86.77
140	82.73	86.90	88.33
145	84.33	88.58	89.49
150	85.60	89.91	90.44
155	86.57	90.92	91.32
160	87.28	91.68	92.24
165	87.79	92.21	93.17
170	88.14	92.57	93.92
175	88.35	92.80	94.31

Azimuth	E _{theo}	E _{std}	E _{aug}
180	88.48	92.94	94.41
185	88.55	93.01	94.39
190	88.59	93.05	94.34
195	88.60	93.06	94.31
200	88.59	93.05	94.13
205	88.55	93.01	93.75
210	88.48	92.94	93.38
215	88.35	92.80	93.19
220	88.14	92.57	93.01
225	87.79	92.21	92.76
230	87.28	91.68	92.52
235	86.57	90.92	92.10
240	85.60	89.91	91.31
245	84.33	88.58	90.05
250	82.73	86.90	88.53
255	80.77	84.84	86.71
260	78.42	82.38	84.49
265	75.68	79.49	81.75
270	72.53	76.19	78.50
275	68.99	72.48	74.78
280	65.10	68.39	70.69
285	60.89	63.97	66.32
290	56.40	59.27	61.71
295	51.71	54.35	56.48
300	46.89	49.28	50.74
305	42.00	44.16	44.89
310	37.14	39.06	39.49
315	32.39	34.09	34.56
320	27.84	29.32	29.85
325	23.58	24.87	25.46
330	19.72	20.83	21.51
335	16.36	17.33	18.11
340	13.63	14.49	15.21
345	11.63	12.43	12.89
350	10.42	11.18	11.33
355	9.91	10.66	10.66

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission