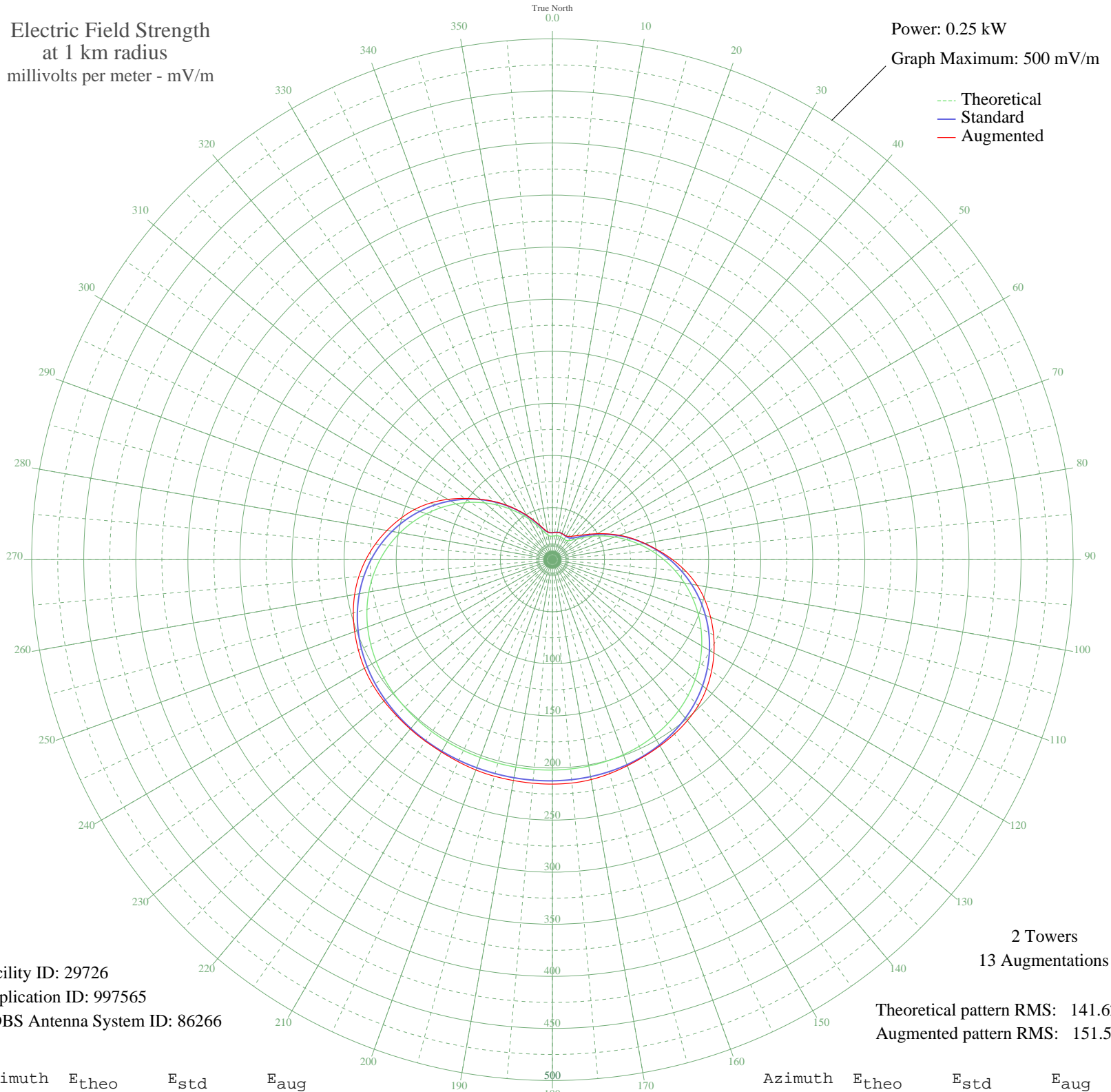


# KILR ESTHERVILLE, IA BL-20040519AFH 1070 kHz

Daytime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 29726  
Application ID: 997565  
CDBS Antenna System ID: 86266

2 Towers  
13 Augmentations

Theoretical pattern RMS: 141.62  
Augmented pattern RMS: 151.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	22.54	25.89	25.89
5	22.95	26.29	26.29
10	23.38	26.70	26.70
15	23.55	26.87	26.87
20	23.38	26.70	26.70
25	22.95	26.29	26.29
30	22.54	25.89	26.28
35	22.62	25.97	27.32
40	23.79	27.09	29.40
45	26.55	29.79	32.49
50	31.11	34.31	36.73
55	37.34	40.59	42.52
60	45.01	48.41	49.85
65	53.82	57.48	58.56
70	63.53	67.53	68.41
75	73.92	78.32	78.99
80	84.76	89.62	90.01
85	95.86	101.20	102.13
90	107.01	112.85	115.39
95	118.03	124.37	128.68
100	128.73	135.58	141.02
105	138.97	146.29	151.87
110	148.58	156.37	161.64
115	157.47	165.68	170.78
120	165.53	174.13	179.13
125	172.72	181.66	186.56
130	178.99	188.23	193.01
135	184.35	193.85	198.06
140	188.83	198.55	201.63
145	192.47	202.37	204.27
150	195.36	205.40	206.42
155	197.57	207.72	208.41
160	199.21	209.44	210.50
165	200.37	210.65	212.62
170	201.16	211.48	214.34
175	201.66	212.00	215.23

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	201.95	212.31	215.45
185	202.11	212.48	215.42
190	202.19	212.56	215.29
195	202.21	212.58	215.23
200	202.19	212.56	214.85
205	202.11	212.48	214.00
210	201.95	212.31	213.16
215	201.66	212.00	212.70
220	201.16	211.48	212.27
225	200.37	210.65	211.71
230	199.21	209.44	211.15
235	197.57	207.72	210.19
240	195.36	205.40	208.39
245	192.47	202.37	205.52
250	188.83	198.55	202.05
255	184.35	193.85	197.90
260	178.99	188.23	192.81
265	172.72	181.66	186.57
270	165.53	174.13	179.14
275	157.47	165.68	170.67
280	148.58	156.37	161.32
285	138.97	146.29	151.35
290	128.73	135.58	140.83
295	118.03	124.37	128.89
300	107.01	112.85	115.78
305	95.86	101.20	102.45
310	84.76	89.62	90.12
315	73.92	78.32	78.88
320	63.53	67.53	68.12
325	53.82	57.48	58.10
330	45.01	48.41	49.09
335	37.34	40.59	41.37
340	31.11	34.31	35.02
345	26.55	29.79	30.24
350	23.79	27.09	27.24
355	22.62	25.97	25.97

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