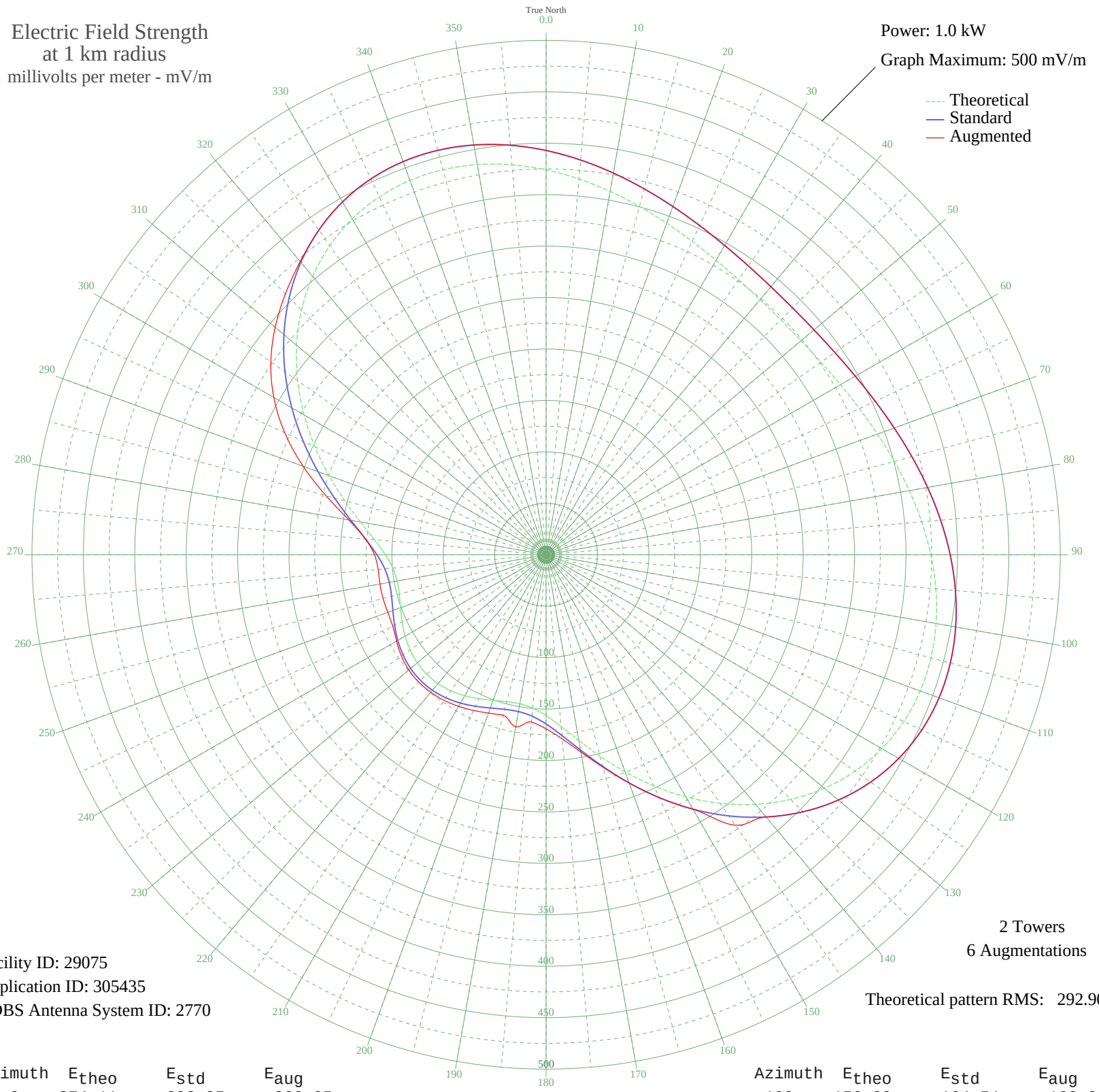
KXIC IOWA CITY, IA BL-- 800 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
6 Augmentations

Facility ID: 29075
Application ID: 305435
CDBS Antenna System ID: 2770

Theoretical pattern RMS: 292.90

Azimuth	E_{theo}	E_{std}	E_{aug}
0	374.11	392.95	392.95
5	366.66	385.14	385.14
10	358.65	376.73	376.73
15	350.59	368.27	368.27
20	342.95	360.25	360.25
25	336.15	353.12	353.12
30	330.52	347.21	347.21
35	326.32	342.80	342.80
40	323.73	340.08	340.08
45	322.85	339.16	339.16
50	323.73	340.08	340.08
55	326.32	342.80	342.80
60	330.52	347.21	347.21
65	336.15	353.12	353.12
70	342.95	360.25	360.25
75	350.59	368.27	368.27
80	358.65	376.73	376.73
85	366.66	385.14	385.14
90	374.11	392.95	392.95
95	380.42	399.58	399.58
100	385.05	404.44	404.44
105	387.45	406.96	406.96
110	387.15	406.64	406.64
115	383.76	403.09	403.09
120	377.02	396.01	396.01
125	366.81	385.30	385.30
130	353.19	371.00	371.00
135	336.38	353.35	353.35
140	316.79	332.79	332.79
145	295.00	309.93	321.14
150	271.76	285.54	285.54
155	247.94	260.55	260.55
160	224.54	236.00	236.21
165	202.65	213.04	213.89
170	183.36	192.82	194.74
175	167.70	176.39	179.69

Azimuth	E_{theo}	E_{std}	E_{aug}
180	156.39	164.54	169.22
185	149.66	157.50	163.19
190	147.13	154.84	169.90
195	147.86	155.61	161.44
200	150.69	158.57	163.80
205	154.46	162.53	166.98
210	158.27	166.51	170.18
215	161.42	169.82	172.82
220	163.48	171.98	174.54
225	164.20	172.72	175.13
230	163.48	171.98	174.26
235	161.42	169.82	171.77
240	158.27	166.51	167.97
245	154.46	162.53	164.55
250	150.69	158.57	163.81
255	147.86	155.61	164.14
260	147.13	154.84	164.06
265	149.66	157.50	163.98
270	156.39	164.54	166.92
275	167.70	176.39	176.46
280	183.36	192.82	194.89
285	202.65	213.04	221.54
290	224.54	236.00	251.46
295	247.94	260.55	280.39
300	271.76	285.54	305.78
305	295.00	309.93	326.78
310	316.79	332.79	343.92
315	336.38	353.35	358.54
320	353.19	371.00	372.08
325	366.81	385.30	385.30
330	377.02	396.01	396.01
335	383.76	403.09	403.09
340	387.15	406.64	406.64
345	387.45	406.96	406.96
350	385.05	404.44	404.44
355	380.42	399.58	399.58

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.

10 Nov 2011

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