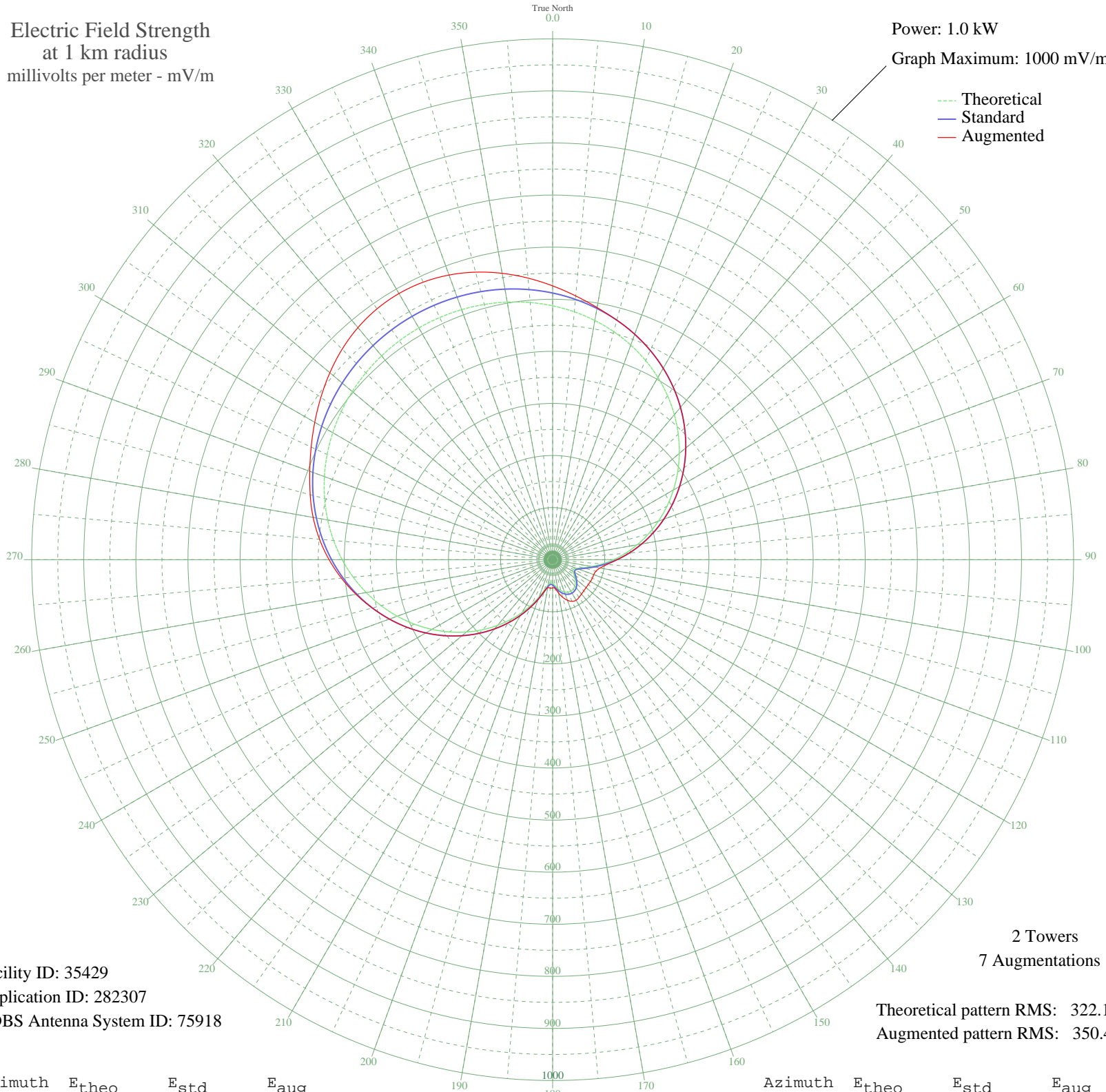


KLGA ALGONA, IA BL-19990226DC 1600 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 35429
Application ID: 282307
CDBS Antenna System ID: 75918

2 Towers
7 Augmentations

Theoretical pattern RMS: 322.11
Augmented pattern RMS: 350.40

Azimuth	Etheo	Estd	Eaug
0	487.42	511.92	525.66
5	477.66	501.68	508.28
10	466.26	489.71	491.46
15	453.19	476.00	476.00
20	438.45	460.52	460.52
25	422.04	443.30	443.30
30	404.01	424.37	424.37
35	384.41	403.80	403.80
40	363.35	381.70	381.70
45	340.97	358.20	358.20
50	317.42	333.49	333.49
55	292.90	307.77	307.77
60	267.66	281.28	281.28
65	241.94	254.30	254.30
70	216.03	227.13	227.13
75	190.23	200.08	200.08
80	164.87	173.51	173.51
85	140.32	147.79	147.79
90	116.97	123.37	124.02
95	95.33	100.77	105.11
100	76.05	80.69	92.43
105	60.10	64.18	85.96
110	48.93	52.68	83.99
115	43.95	47.59	83.96
120	44.99	48.66	83.80
125	49.79	53.57	83.46
130	55.85	59.79	83.70
135	61.55	65.67	84.57
140	66.03	70.31	86.15
145	68.86	73.24	88.37
150	69.82	74.24	90.00
155	68.86	73.24	88.20
160	66.03	70.31	82.98
165	61.55	65.67	74.88
170	55.85	59.79	64.98
175	49.79	53.57	55.55

Azimuth	Etheo	Estd	Eaug
180	44.99	48.66	54.20
185	43.95	47.59	54.83
190	48.93	52.68	54.67
195	60.10	64.18	64.18
200	76.05	80.69	80.69
205	95.33	100.77	100.77
210	116.97	123.37	123.37
215	140.32	147.79	147.79
220	164.87	173.50	173.51
225	190.23	200.08	200.08
230	216.03	227.13	227.13
235	241.94	254.30	254.30
240	267.66	281.28	281.28
245	292.90	307.77	307.77
250	317.42	333.49	333.49
255	340.97	358.20	358.56
260	363.35	381.70	383.27
265	384.41	403.80	407.02
270	404.01	424.37	429.17
275	422.04	443.30	449.21
280	438.45	460.52	466.79
285	453.19	476.00	481.82
290	466.26	489.71	496.15
295	477.66	501.68	511.44
300	487.42	511.92	527.31
305	495.58	520.49	543.16
310	502.17	527.41	558.25
315	507.25	532.74	571.47
320	510.84	536.51	581.55
325	512.99	538.76	587.86
330	513.70	539.51	590.00
335	512.99	538.76	587.86
340	510.84	536.51	581.55
345	507.25	532.74	571.47
350	502.17	527.41	558.23
355	495.58	520.49	542.65

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

Prepared by Audio Division, Media Bureau
Federal Communications Commission