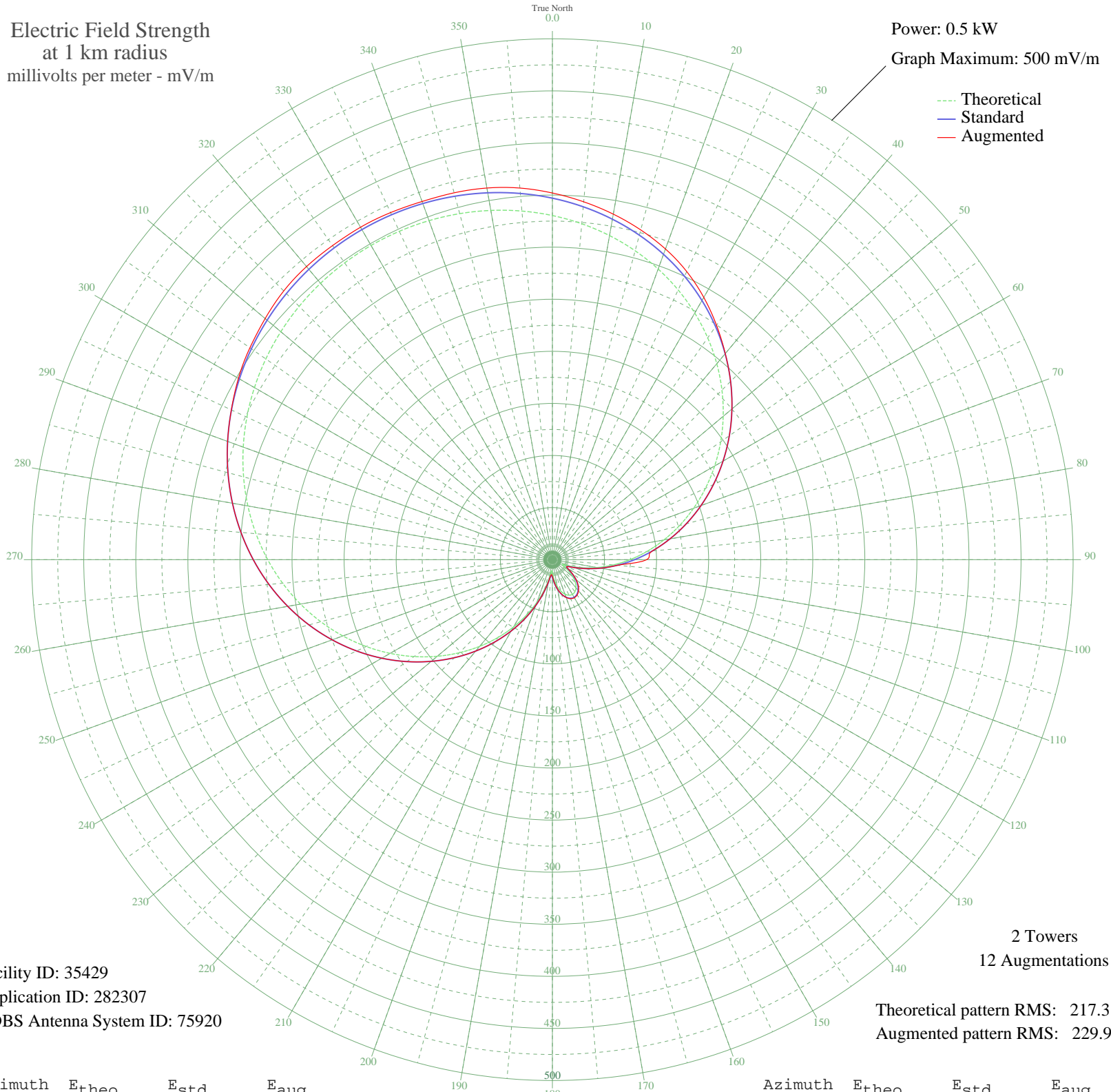


KLGA ALGONA, IA BL-19990226DC 1600 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 35429
Application ID: 282307
CDBS Antenna System ID: 75920

2 Towers
12 Augmentations

Theoretical pattern RMS: 217.31
Augmented pattern RMS: 229.90

Azimuth	Etheo	Estd	Eaug
0	330.35	347.03	351.99
5	323.69	340.04	344.84
10	315.91	331.87	336.81
15	306.99	322.51	327.72
20	296.92	311.94	317.40
25	285.70	300.17	305.19
30	273.38	287.24	290.73
35	259.98	273.18	274.74
40	245.57	258.06	258.26
45	230.23	241.97	241.97
50	214.09	225.04	225.04
55	197.27	207.40	207.40
60	179.91	189.20	189.20
65	162.18	170.62	170.62
70	144.27	151.85	151.85
75	126.35	133.08	133.08
80	108.62	114.54	114.54
85	91.28	96.42	96.42
90	74.52	78.95	90.60
95	58.55	62.37	62.37
100	43.58	46.95	46.95
105	29.92	33.13	33.13
110	18.21	21.81	21.87
115	10.84	15.48	15.62
120	12.67	16.94	17.21
125	19.26	22.79	23.31
130	25.83	29.08	29.75
135	31.25	34.45	35.06
140	35.23	38.45	38.99
145	37.65	40.91	41.39
150	38.46	41.73	42.20
155	37.65	40.91	41.27
160	35.23	38.45	38.56
165	31.25	34.45	34.33
170	25.83	29.08	28.89
175	19.26	22.79	22.39

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

Azimuth	Etheo	Estd	Eaug
180	12.67	16.94	16.18
185	10.84	15.48	14.69
190	18.21	21.81	21.34
195	29.92	33.13	33.01
200	43.58	46.95	46.95
205	58.55	62.37	62.37
210	74.52	78.95	78.95
215	91.28	96.42	96.42
220	108.62	114.54	114.54
225	126.35	133.08	133.08
230	144.27	151.84	151.84
235	162.18	170.62	170.62
240	179.91	189.20	189.20
245	197.27	207.40	207.40
250	214.09	225.04	225.04
255	230.23	241.97	241.97
260	245.57	258.06	258.06
265	259.98	273.18	273.18
270	273.38	287.24	287.24
275	285.70	300.17	300.17
280	296.92	311.94	311.94
285	306.99	322.51	322.51
290	315.91	331.87	331.87
295	323.69	340.04	340.16
300	330.35	347.03	348.14
305	335.92	352.87	354.60
310	340.42	357.60	360.06
315	343.89	361.23	364.82
320	346.34	363.81	367.30
325	347.80	365.34	368.06
330	348.29	365.85	368.50
335	347.80	365.34	367.62
340	346.34	363.81	365.90
345	343.89	361.23	364.58
350	340.42	357.60	362.27
355	335.92	352.87	358.10