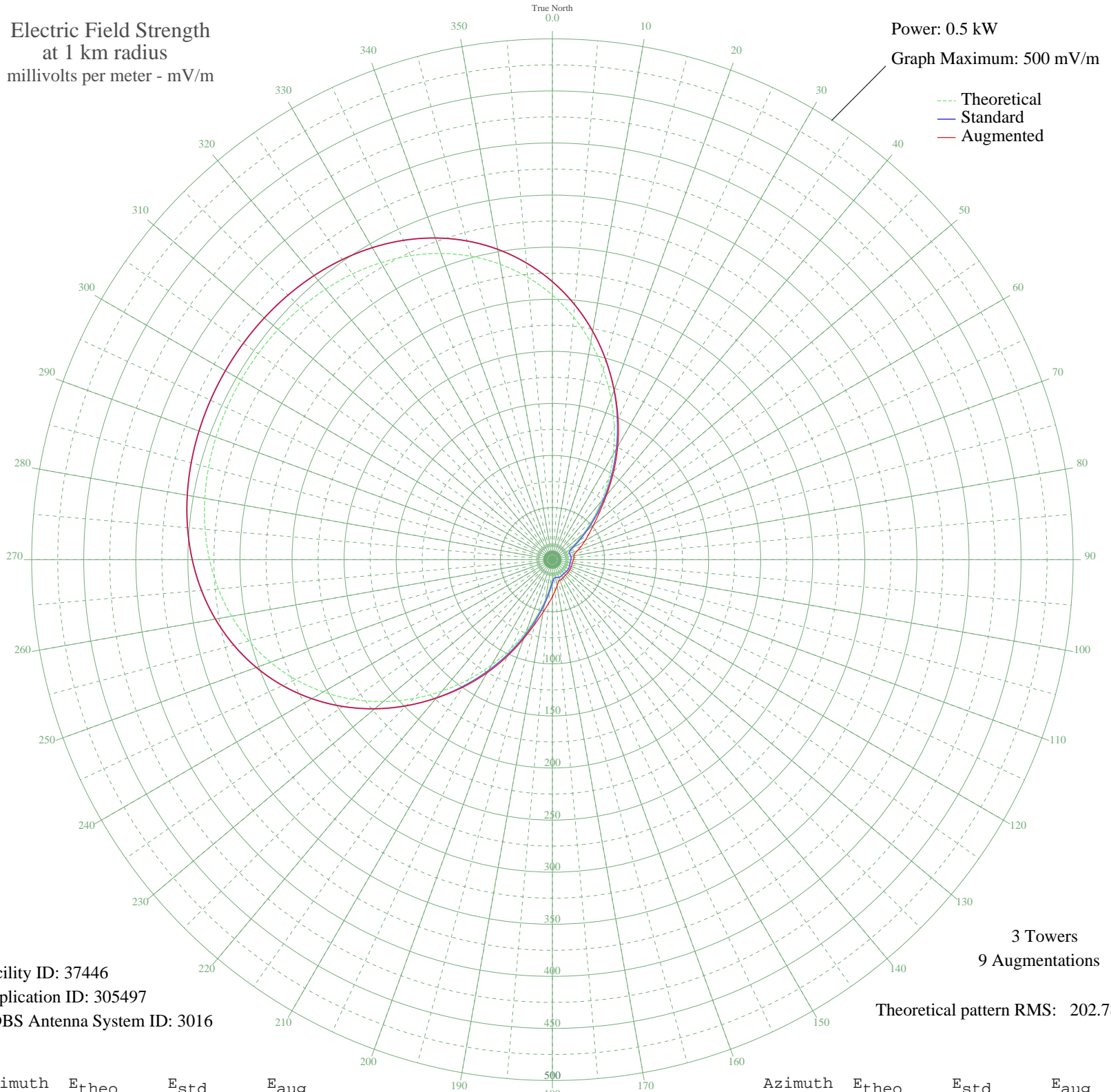


KXGM WATERLOO, IA BL-- 850 kHz

Daytime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 37446
Application ID: 305497
CDBS Antenna System ID: 3016

3 Towers
9 Augmentations

Theoretical pattern RMS: 202.78

Azimuth	Etheo	Estd	Eaug
0	253.96	266.87	266.87
5	233.78	245.69	245.69
10	211.85	222.69	222.69
15	188.61	198.32	198.32
20	164.60	173.15	173.59
25	140.43	147.83	149.38
30	116.77	123.05	125.53
35	94.25	99.52	102.24
40	73.49	77.88	80.83
45	55.04	58.74	63.60
50	39.37	42.65	51.39
55	26.93	30.17	42.65
60	18.28	21.88	36.07
65	13.90	17.98	30.56
70	13.08	17.29	25.82
75	13.64	17.76	22.24
80	14.10	18.15	20.92
85	14.07	18.12	20.78
90	13.69	17.80	20.21
95	13.27	17.45	19.59
100	13.07	17.28	19.31
105	13.14	17.34	19.29
110	13.40	17.56	19.30
115	13.67	17.78	19.31
120	13.77	17.87	19.31
125	13.67	17.78	19.31
130	13.40	17.56	19.30
135	13.14	17.34	19.29
140	13.07	17.28	19.31
145	13.27	17.45	19.59
150	13.69	17.80	20.21
155	14.07	18.12	20.78
160	14.10	18.15	20.92
165	13.64	17.76	22.15
170	13.08	17.29	25.55
175	13.90	17.98	30.11

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	18.28	21.88	35.54
185	26.93	30.17	42.16
190	39.37	42.65	51.03
195	55.04	58.74	63.39
200	73.49	77.88	80.74
205	94.25	99.52	102.22
210	116.77	123.05	125.53
215	140.43	147.83	149.38
220	164.60	173.15	173.59
225	188.61	198.32	198.32
230	211.85	222.69	222.69
235	233.78	245.69	245.69
240	253.96	266.87	266.87
245	272.08	285.88	285.88
250	287.95	302.53	302.53
255	301.51	316.76	316.76
260	312.80	328.61	328.61
265	321.97	338.23	338.23
270	329.22	345.84	345.84
275	334.78	351.68	351.68
280	338.91	356.01	356.01
285	341.84	359.08	359.08
290	343.77	361.11	361.11
295	344.86	362.26	362.26
300	345.21	362.63	362.63
305	344.86	362.26	362.26
310	343.77	361.11	361.11
315	341.84	359.08	359.08
320	338.91	356.01	356.01
325	334.78	351.68	351.68
330	329.22	345.84	345.84
335	321.97	338.23	338.23
340	312.80	328.61	328.61
345	301.51	316.76	316.76
350	287.95	302.53	302.53
355	272.08	285.88	285.88