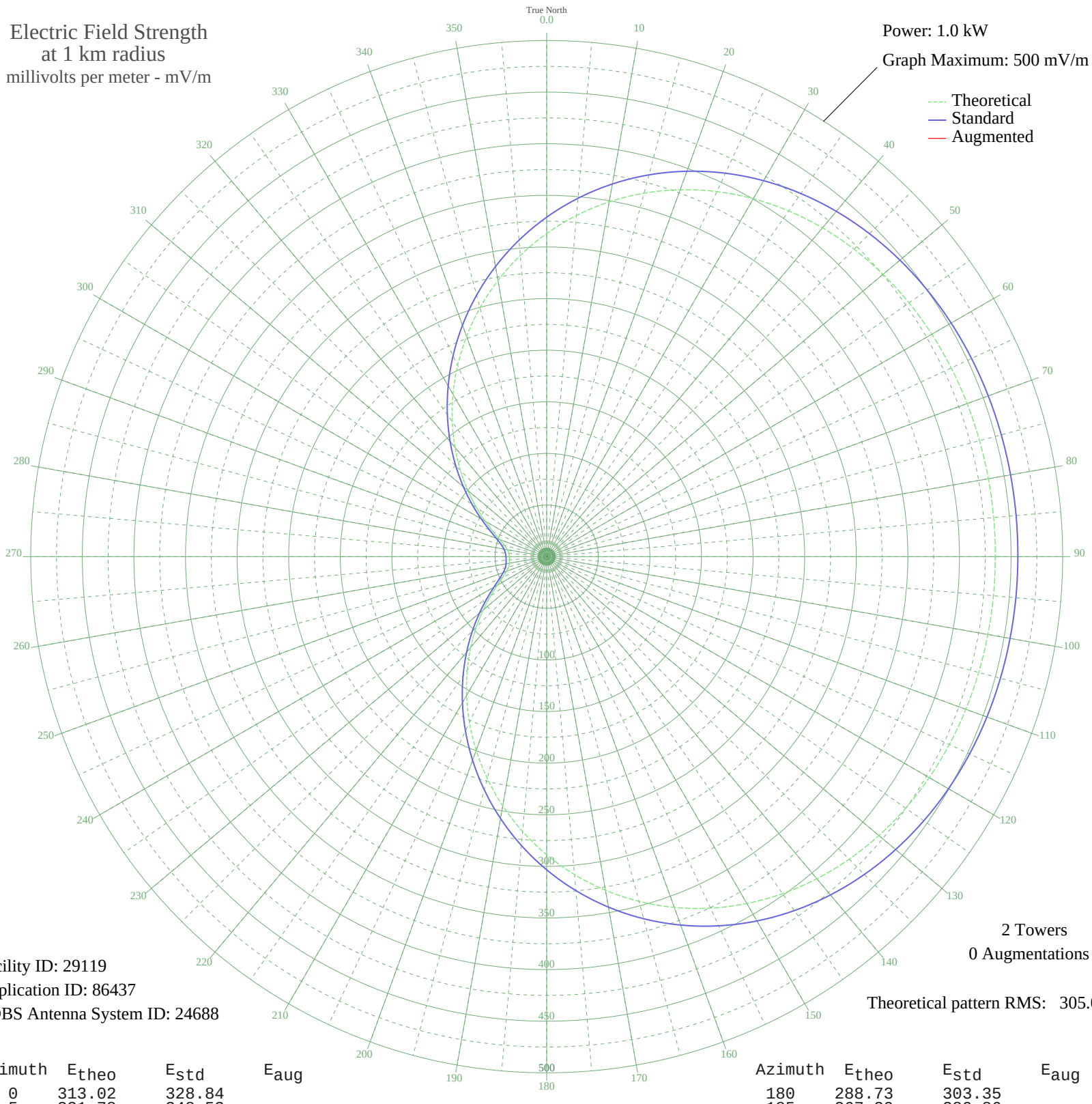
WOI AMES, IA BL-19860311AB 640 kHz

Nighttime

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
0 Augmentations

Facility ID: 29119
Application ID: 86437
CDBS Antenna System ID: 24688

Theoretical pattern RMS: 305.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	313.02	328.84	
5	331.78	348.53	
10	348.99	366.59	
15	364.51	382.88	
20	378.25	397.30	
25	390.20	409.84	
30	400.37	420.52	
35	408.85	429.42	
40	415.76	436.67	
45	421.24	442.43	
50	425.47	446.87	
55	428.64	450.19	
60	430.92	452.59	
65	432.51	454.26	
70	433.57	455.37	
75	434.23	456.06	
80	434.60	456.45	
85	434.76	456.62	
90	434.74	456.60	
95	434.54	456.39	
100	434.12	455.95	
105	433.39	455.18	
110	432.24	453.98	
115	430.53	452.18	
120	428.08	449.61	
125	424.72	446.08	
130	420.25	441.39	
135	414.50	435.35	
140	407.29	427.78	
145	398.47	418.53	
150	387.95	407.48	
155	375.65	394.57	
160	361.54	379.77	
165	345.68	363.12	
170	328.15	344.72	
175	309.10	324.72	

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	288.73	303.35	
185	267.30	280.86	
190	245.09	257.56	
195	222.43	233.78	
200	199.65	209.89	
205	177.11	186.26	
210	155.16	163.26	
215	134.16	141.26	
220	114.47	120.65	
225	96.41	101.77	
230	80.32	84.99	
235	66.54	70.65	
240	55.37	59.08	
245	47.02	50.47	
250	41.44	44.76	
255	38.24	41.50	
260	36.72	39.96	
265	36.18	39.42	
270	36.24	39.47	
275	36.93	40.17	
280	38.72	41.99	
285	42.35	45.69	
290	48.46	51.96	
295	57.39	61.16	
300	69.10	73.31	
305	83.36	88.16	
310	99.87	105.39	
315	118.28	124.64	
320	138.27	145.56	
325	159.48	167.79	
330	181.58	190.94	
335	204.19	214.66	
340	226.98	238.56	
345	249.58	262.27	
350	271.66	285.43	
355	292.90	307.72	