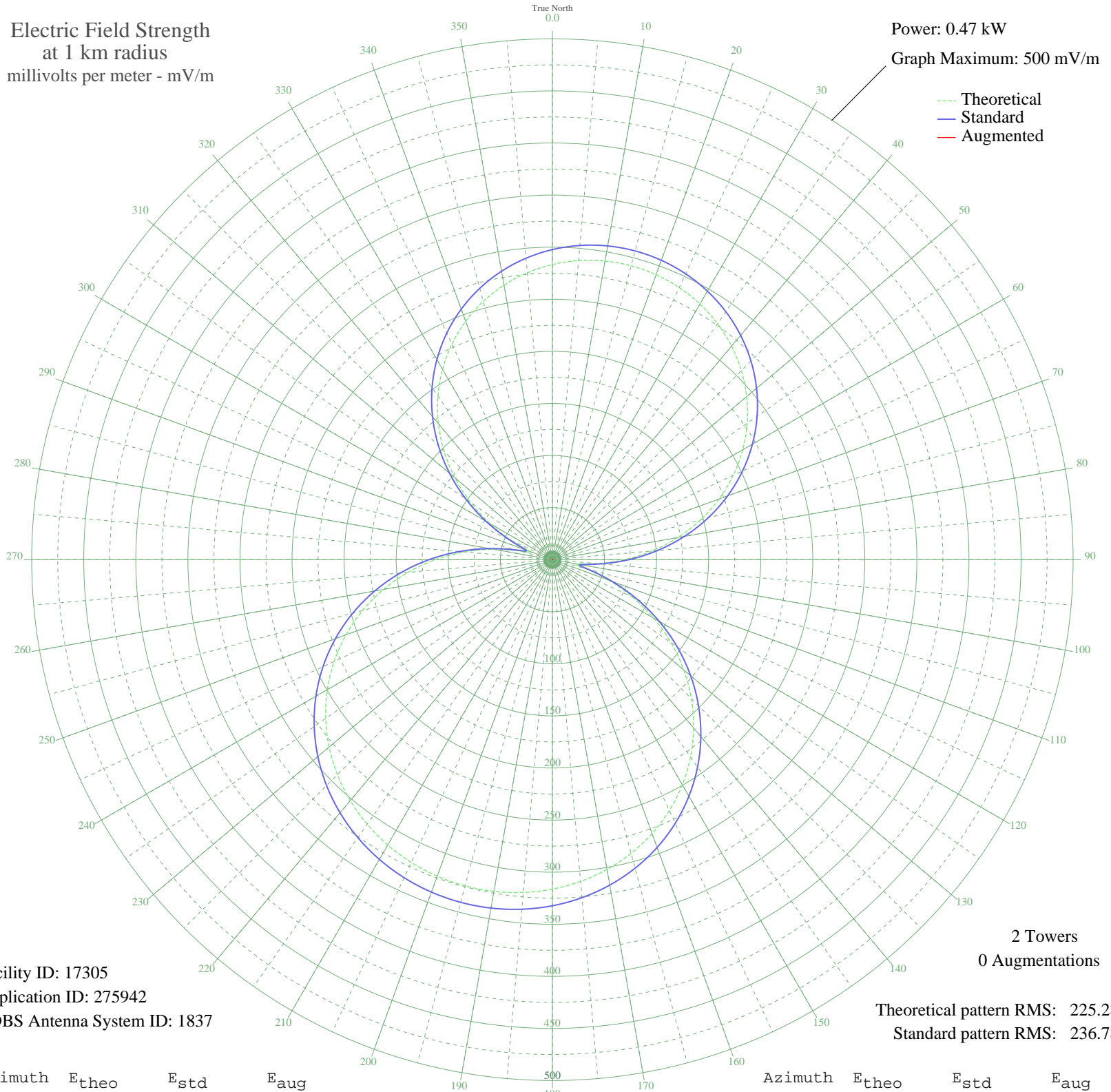


KSGM CHESTER, IL BL-19981021AC 980 kHz

Nighttime

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

Power: 0.47 kW
Graph Maximum: 500 mV/m



Facility ID: 17305
Application ID: 275942
CDBS Antenna System ID: 1837

2 Towers
0 Augmentations

Theoretical pattern RMS: 225.28
Standard pattern RMS: 236.78

Azimuth	E _{theo}	E _{std}	E _{aug}
0	283.32	297.67	
5	288.18	302.77	
10	291.08	305.82	
15	292.05	306.83	
20	291.08	305.82	
25	288.18	302.77	
30	283.32	297.67	
35	276.46	290.47	
40	267.57	281.14	
45	256.60	269.63	
50	243.52	255.91	
55	228.32	239.96	
60	211.00	221.80	
65	191.61	201.46	
70	170.24	179.06	
75	147.04	154.75	
80	122.23	128.77	
85	96.14	101.49	
90	69.32	73.54	
95	43.12	46.48	
100	23.98	27.28	
105	32.32	35.52	
110	57.23	61.01	
115	84.80	89.65	
120	112.39	118.47	
125	139.18	146.51	
130	164.72	173.28	
135	188.72	198.43	
140	210.94	221.73	
145	231.23	243.02	
150	249.50	262.19	
155	265.70	279.18	
160	279.82	294.00	
165	291.88	306.66	
170	301.94	317.21	
175	310.05	325.72	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	316.28	332.26	
185	320.67	336.87	
190	323.29	339.62	
195	324.16	340.53	
200	323.29	339.62	
205	320.67	336.87	
210	316.28	332.26	
215	310.05	325.72	
220	301.94	317.21	
225	291.88	306.66	
230	279.82	294.00	
235	265.70	279.18	
240	249.50	262.19	
245	231.23	243.02	
250	210.94	221.73	
255	188.72	198.43	
260	164.72	173.28	
265	139.18	146.51	
270	112.39	118.47	
275	84.80	89.65	
280	57.23	61.01	
285	32.32	35.52	
290	23.98	27.28	
295	43.12	46.48	
300	69.32	73.54	
305	96.14	101.49	
310	122.23	128.77	
315	147.04	154.75	
320	170.24	179.06	
325	191.61	201.46	
330	211.00	221.80	
335	228.32	239.96	
340	243.52	255.91	
345	256.60	269.64	
350	267.57	281.14	
355	276.46	290.47	

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