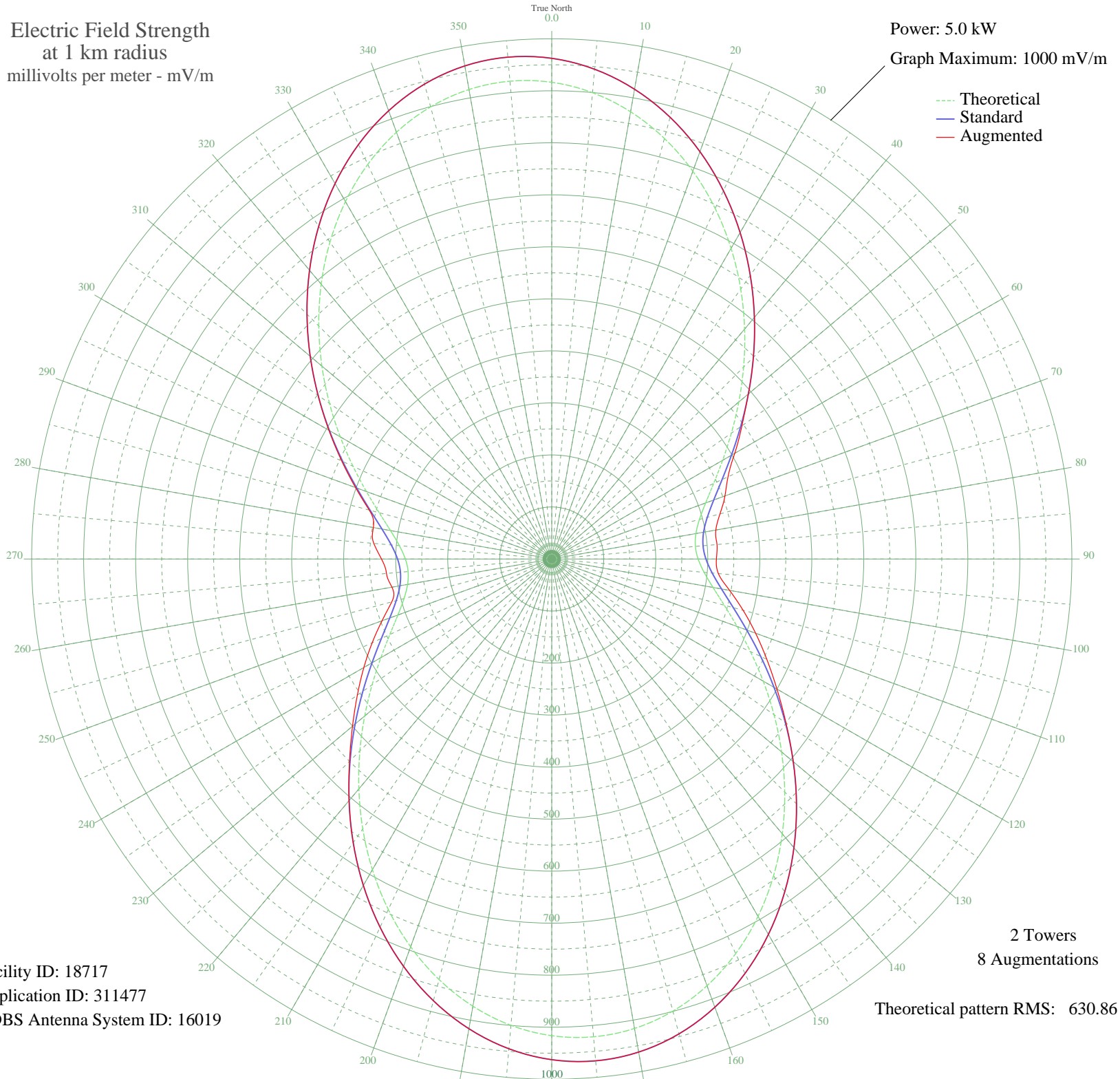


WSPR SPRINGFIELD, MA BL-8346 1270 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 18717  
Application ID: 311477  
CDBS Antenna System ID: 16019

2 Towers  
8 Augmentations

Theoretical pattern RMS: 630.86

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	916.34	962.44	962.44
5	899.78	945.06	945.06
10	872.94	916.89	916.89
15	836.94	879.10	879.10
20	793.23	833.22	833.22
25	743.49	781.02	781.02
30	689.59	724.45	724.45
35	633.43	665.52	665.52
40	576.87	606.17	606.17
45	521.69	548.27	548.27
50	469.47	493.50	493.50
55	421.61	443.31	446.41
60	379.28	398.94	406.30
65	343.46	361.40	373.96
70	314.87	331.45	354.40
75	294.08	309.68	334.86
80	281.46	296.47	320.33
85	277.23	292.04	318.99
90	281.46	296.47	316.62
95	294.08	309.68	321.58
100	314.87	331.45	347.24
105	343.46	361.40	380.88
110	379.28	398.94	417.12
115	421.61	443.31	456.28
120	469.47	493.50	500.03
125	521.69	548.27	549.96
130	576.87	606.17	606.17
135	633.43	665.52	665.52
140	689.59	724.45	724.45
145	743.49	781.02	781.02
150	793.23	833.22	833.22
155	836.94	879.10	879.10
160	872.94	916.89	916.89
165	899.78	945.06	945.06
170	916.34	962.44	962.44
175	921.94	968.32	968.32

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	916.34	962.44	962.44
185	899.77	945.06	945.06
190	872.94	916.89	916.89
195	836.94	879.10	879.10
200	793.23	833.22	833.22
205	743.49	781.02	781.02
210	689.59	724.45	724.45
215	633.43	665.52	665.52
220	576.87	606.17	606.17
225	521.69	548.27	549.96
230	469.46	493.50	500.03
235	421.61	443.31	456.28
240	379.28	398.94	417.12
245	343.46	361.40	380.88
250	314.87	331.45	347.24
255	294.08	309.68	318.34
260	281.46	296.47	311.98
265	277.23	292.04	318.99
270	281.46	296.47	327.35
275	294.08	309.68	343.45
280	314.87	331.45	348.29
285	343.46	361.40	363.24
290	379.29	398.94	401.47
295	421.61	443.31	445.49
300	469.47	493.50	494.66
305	521.69	548.27	548.52
310	576.87	606.17	606.17
315	633.43	665.52	665.52
320	689.59	724.45	724.45
325	743.50	781.02	781.02
330	793.23	833.22	833.22
335	836.94	879.10	879.10
340	872.94	916.89	916.89
345	899.78	945.06	945.06
350	916.34	962.44	962.44
355	921.94	968.32	968.32

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission