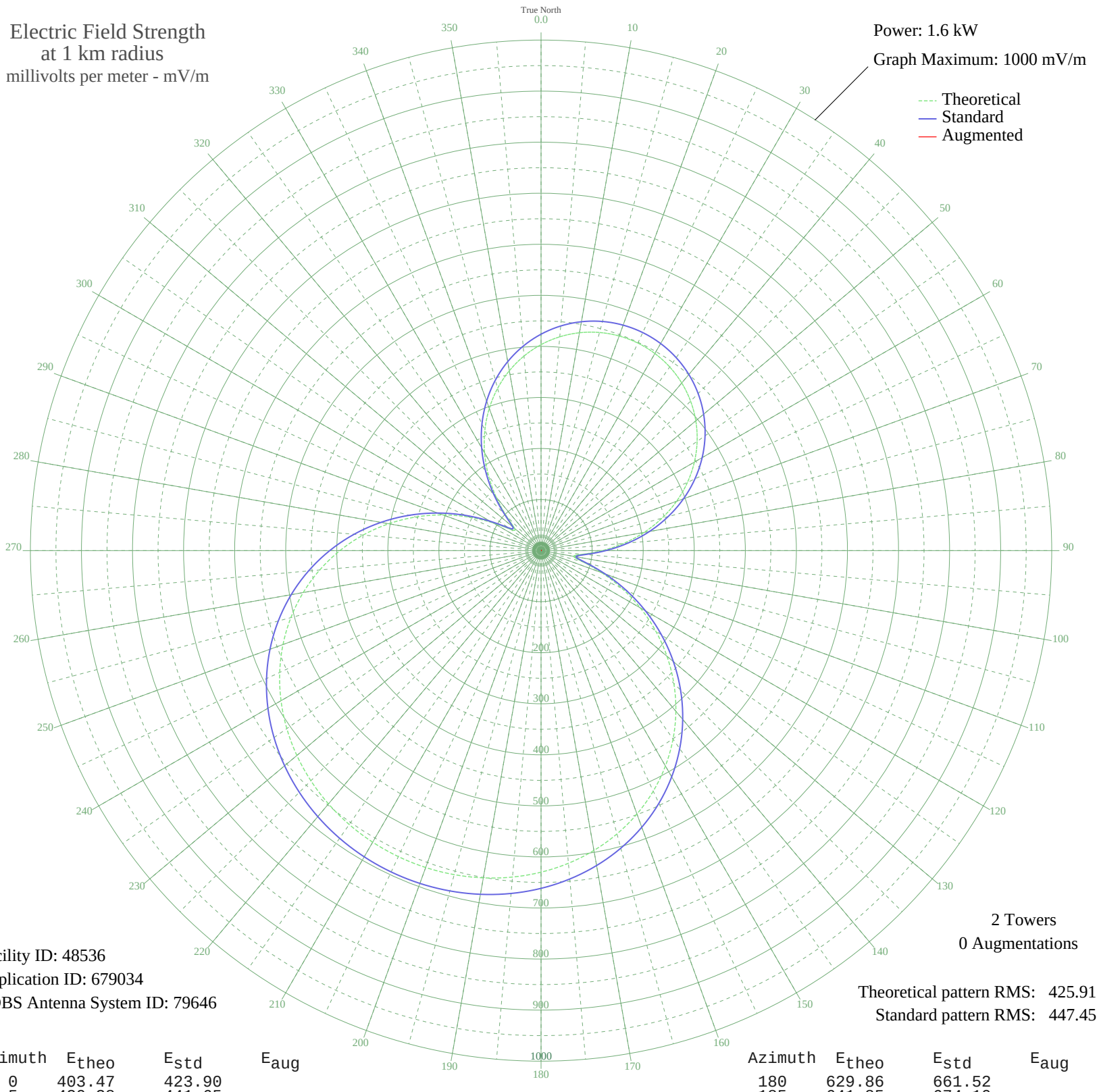
KMRF MARSHFIELD, MO BL-20030804AFM 1510 kHz

Critical Hours

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



Power: 1.6 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 48536
Application ID: 679034
CDBS Antenna System ID: 79646

Theoretical pattern RMS: 425.91
Standard pattern RMS: 447.45

Azimuth	E_{theo}	E_{std}	E_{aug}
0	403.47	423.90	
5	420.38	441.65	
10	433.31	455.22	
15	442.30	464.66	
20	447.38	469.98	
25	448.54	471.20	
30	445.82	468.34	
35	439.18	461.38	
40	428.62	450.29	
45	414.09	435.05	
50	395.59	415.64	
55	373.11	392.05	
60	346.68	364.31	
65	316.38	332.53	
70	282.40	296.89	
75	245.01	257.69	
80	204.72	215.47	
85	162.38	171.15	
90	119.82	126.68	
95	82.01	87.38	
100	64.60	69.44	
105	84.72	90.19	
110	126.34	133.48	
115	174.54	183.87	
120	224.38	236.06	
125	273.86	287.94	
130	321.89	338.31	
135	367.71	386.38	
140	410.75	431.54	
145	450.63	473.39	
150	487.06	511.62	
155	519.87	546.06	
160	549.00	576.64	
165	574.46	603.36	
170	596.33	626.32	
175	614.75	645.66	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	629.86	661.52	
185	641.85	674.10	
190	650.86	683.56	
195	657.04	690.05	
200	660.50	693.68	
205	661.29	694.51	
210	659.43	692.57	
215	654.90	687.80	
220	647.60	680.14	
225	637.42	669.45	
230	624.20	655.58	
235	607.79	638.35	
240	588.01	617.58	
245	564.71	593.13	
250	537.79	564.87	
255	507.18	532.75	
260	472.91	496.78	
265	435.08	457.07	
270	393.89	413.85	
275	349.68	367.47	
280	302.91	318.40	
285	254.19	267.32	
290	204.40	215.14	
295	154.89	163.31	
300	108.40	114.79	
305	72.72	77.79	
310	67.45	72.36	
315	95.94	101.82	
320	136.68	144.27	
325	179.48	189.04	
330	221.14	232.67	
335	260.35	273.77	
340	296.42	311.59	
345	328.95	345.72	
350	357.72	375.90	
355	382.58	401.98	

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