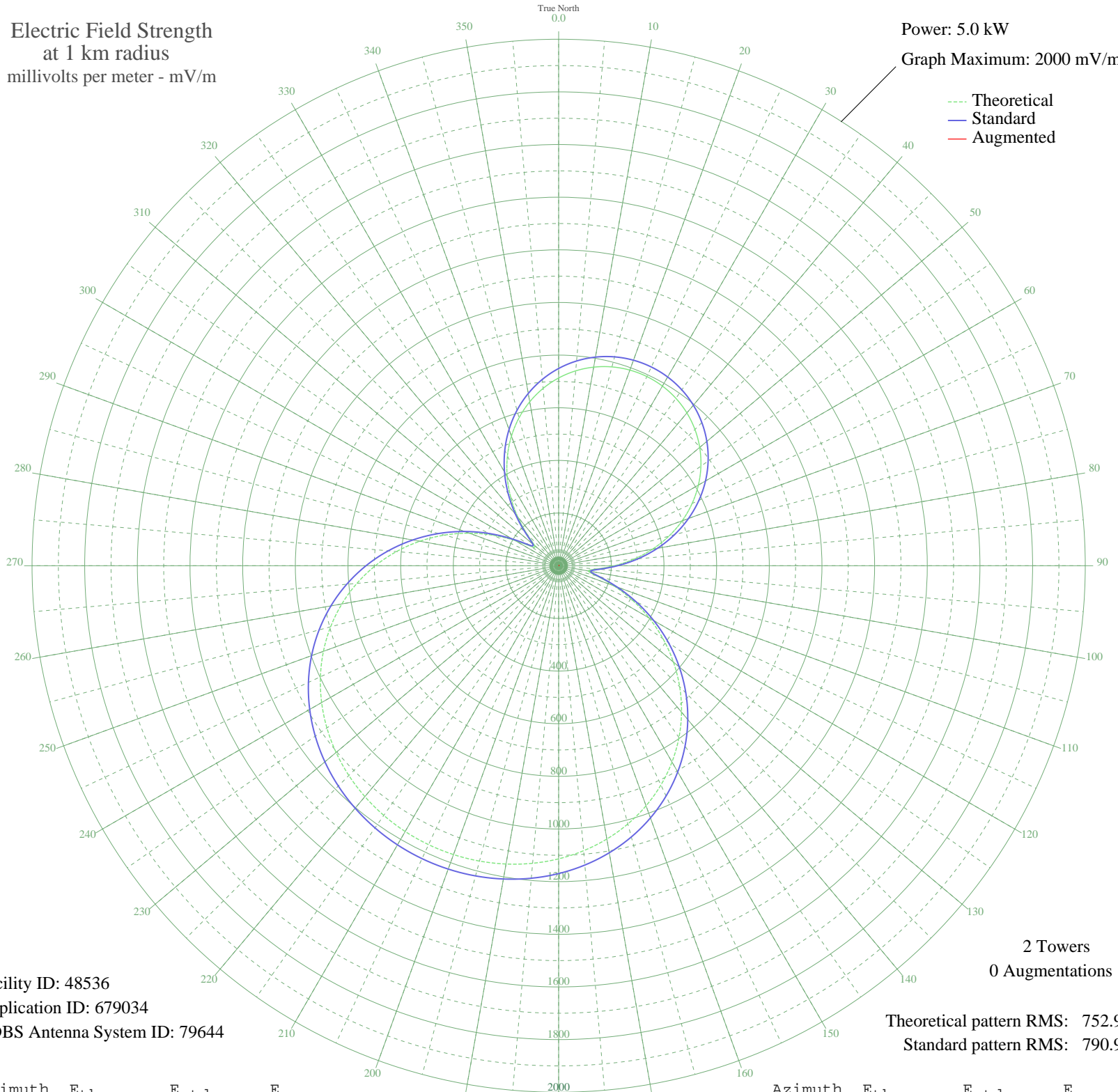


# KMRF MARSHFIELD, MO BL-20030804AFM 1510 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 48536  
Application ID: 679034  
CDBS Antenna System ID: 79644

2 Towers  
0 Augmentations

Theoretical pattern RMS: 752.91  
Standard pattern RMS: 790.99

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	713.24	749.36	
5	743.13	780.73	
10	766.00	804.73	
15	781.89	821.40	
20	790.86	830.81	
25	792.92	832.98	
30	788.10	827.92	
35	776.37	815.61	
40	757.69	796.01	
45	732.02	769.07	
50	699.32	734.75	
55	659.57	693.05	
60	612.84	644.02	
65	559.29	587.84	
70	499.21	524.83	
75	433.12	455.53	
80	361.89	380.89	
85	287.06	302.55	
90	211.81	223.94	
95	144.98	154.47	
100	114.20	122.75	
105	149.77	159.43	
110	223.34	235.96	
115	308.55	325.03	
120	396.65	417.31	
125	484.13	509.01	
130	569.03	598.06	
135	650.02	683.02	
140	726.11	762.87	
145	796.61	836.85	
150	861.00	904.43	
155	919.01	965.31	
160	970.50	1019.36	
165	1015.51	1066.61	
170	1054.18	1107.20	
175	1086.73	1141.37	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1113.45	1169.42	
185	1134.63	1191.65	
190	1150.57	1208.38	
195	1161.49	1219.85	
200	1167.60	1226.26	
205	1169.01	1227.74	
210	1165.73	1224.30	
215	1157.71	1215.88	
220	1144.81	1202.33	
225	1126.81	1183.44	
230	1103.44	1158.91	
235	1074.43	1128.45	
240	1039.46	1091.75	
245	998.28	1048.52	
250	950.69	998.56	
255	896.58	941.78	
260	836.00	878.19	
265	769.12	808.00	
270	696.31	731.60	
275	618.16	649.60	
280	535.47	562.86	
285	449.36	472.55	
290	361.34	380.31	
295	273.82	288.70	
300	191.63	202.92	
305	128.56	137.51	
310	119.23	127.91	
315	169.59	179.99	
320	241.61	255.04	
325	317.28	334.17	
330	390.93	411.31	
335	460.23	483.96	
340	524.00	550.82	
345	581.52	611.15	
350	632.37	664.50	
355	676.31	710.61	

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