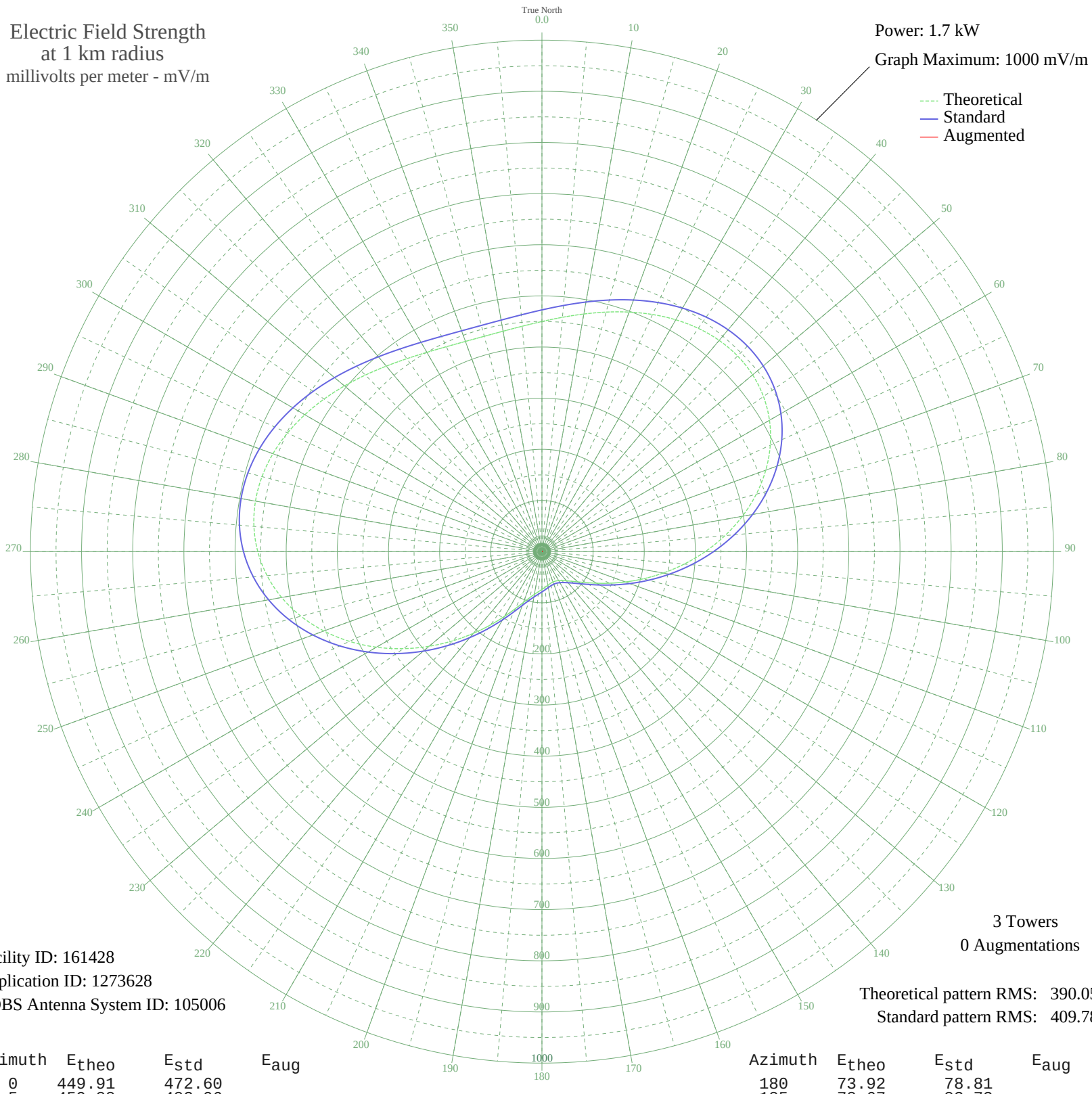
WMIN SAUK RAPIDS, MN BL-20081006AJB 1010 kHz

Daytime

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



Power: 1.7 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 161428
Application ID: 1273628
CDBS Antenna System ID: 105006

Theoretical pattern RMS: 390.05
Standard pattern RMS: 409.78

Azimuth	E_{theo}	E_{std}	E_{aug}
0	449.91	472.60	
5	459.88	483.06	
10	471.72	495.49	
15	484.79	509.22	
20	498.35	523.45	
25	511.53	537.29	
30	523.39	549.73	
35	532.91	559.72	
40	539.08	566.20	
45	540.96	568.17	
50	537.71	564.76	
55	528.72	555.33	
60	513.67	539.53	
65	492.55	517.36	
70	465.70	489.18	
75	433.82	455.72	
80	397.93	418.05	
85	359.27	377.48	
90	319.24	335.49	
95	279.32	293.61	
100	240.92	253.33	
105	205.28	215.98	
110	173.44	182.62	
115	146.10	154.01	
120	123.57	130.47	
125	105.75	111.87	
130	92.13	97.70	
135	81.97	87.15	
140	74.48	79.39	
145	69.07	73.80	
150	65.44	70.06	
155	63.48	68.05	
160	63.16	67.72	
165	64.33	68.92	
170	66.71	71.38	
175	69.97	74.74	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	73.92	78.81	
185	78.67	83.73	
190	84.81	90.09	
195	93.38	99.00	
200	105.72	111.85	
205	123.02	129.90	
210	145.98	153.89	
215	174.65	183.89	
220	208.54	219.39	
225	246.71	259.40	
230	287.93	302.64	
235	330.79	347.60	
240	373.72	392.65	
245	415.17	436.14	
250	453.64	476.52	
255	487.81	512.38	
260	516.62	542.62	
265	539.33	566.46	
270	555.54	583.48	
275	565.23	593.65	
280	568.71	597.30	
285	566.57	595.06	
290	559.63	587.77	
295	548.86	576.46	
300	535.29	562.22	
305	519.99	546.16	
310	503.97	529.34	
315	488.17	512.76	
320	473.44	497.30	
325	460.48	483.70	
330	449.87	472.57	
335	442.06	464.37	
340	437.34	459.41	
345	435.83	457.83	
350	437.55	459.63	
355	442.33	464.65	

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