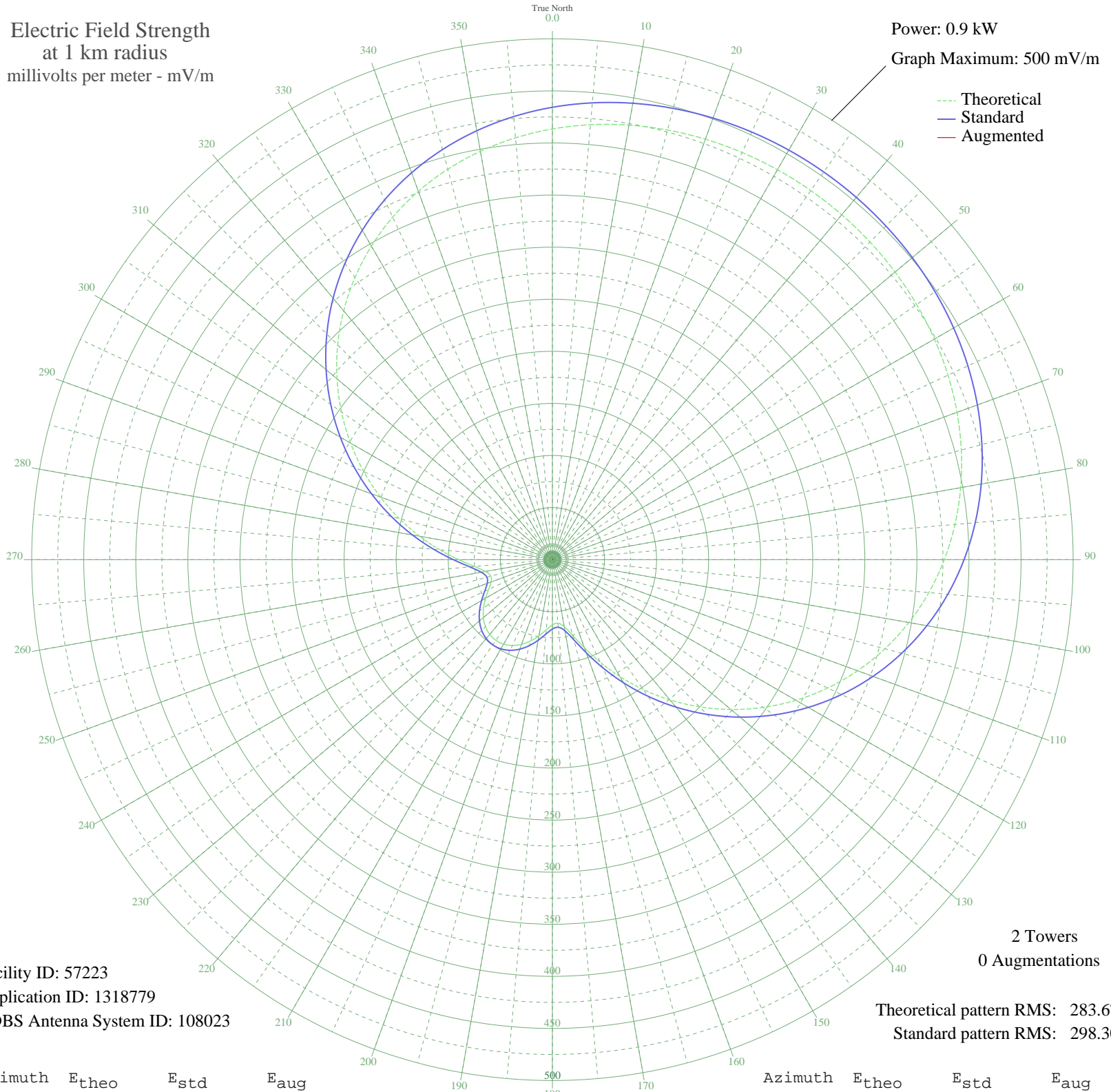


WJMS IRONWOOD, MI BP-20090622ACK 590 kHz

Nighttime

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

Power: 0.9 kW
Graph Maximum: 500 mV/m



Facility ID: 57223
Application ID: 1318779
CDBS Antenna System ID: 108023

Theoretical pattern RMS: 283.67
Standard pattern RMS: 298.30

Azimuth	E _{theo}	E _{std}	E _{aug}
0	413.47	434.27	
5	419.11	440.20	
10	423.58	444.88	
15	427.01	448.48	
20	429.52	451.12	
25	431.24	452.92	
30	432.24	453.97	
35	432.56	454.31	
40	432.24	453.97	
45	431.24	452.92	
50	429.52	451.12	
55	427.01	448.48	
60	423.58	444.88	
65	419.11	440.20	
70	413.47	434.27	
75	406.50	426.96	
80	398.07	418.10	
85	388.04	407.58	
90	376.32	395.28	
95	362.84	381.13	
100	347.57	365.10	
105	330.55	347.23	
110	311.84	327.60	
115	291.58	306.34	
120	269.97	283.66	
125	247.25	259.82	
130	223.73	235.15	
135	199.75	210.00	
140	175.74	184.82	
145	152.14	160.09	
150	129.51	136.40	
155	108.52	114.43	
160	90.03	95.11	
165	75.16	79.62	
170	65.26	69.32	
175	61.24	65.15	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	62.62	66.58	
185	67.58	71.74	
190	74.11	78.52	
195	80.71	85.40	
200	86.48	91.41	
205	90.89	96.01	
210	93.63	98.87	
215	94.56	99.84	
220	93.63	98.87	
225	90.89	96.01	
230	86.48	91.41	
235	80.71	85.40	
240	74.11	78.52	
245	67.58	71.74	
250	62.62	66.58	
255	61.24	65.15	
260	65.26	69.32	
265	75.16	79.62	
270	90.03	95.11	
275	108.52	114.43	
280	129.52	136.40	
285	152.14	160.09	
290	175.74	184.82	
295	199.75	210.00	
300	223.73	235.15	
305	247.25	259.82	
310	269.97	283.66	
315	291.58	306.34	
320	311.84	327.60	
325	330.55	347.23	
330	347.57	365.10	
335	362.84	381.13	
340	376.32	395.28	
345	388.04	407.58	
350	398.07	418.10	
355	406.50	426.96	

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