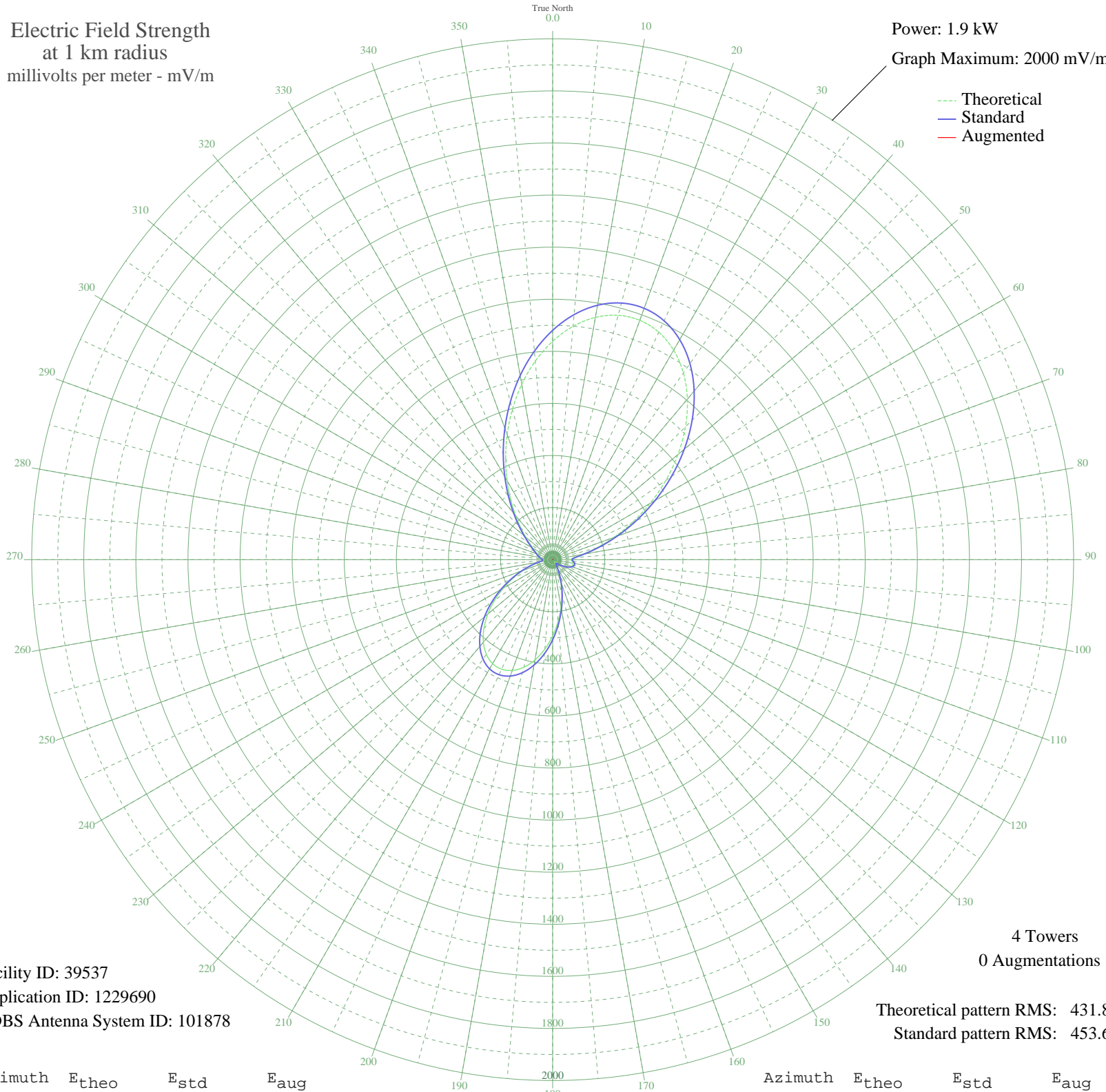


# WILS LANSING, MI BL-20080114ADF 1320 kHz

Nighttime

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

Power: 1.9 kW  
Graph Maximum: 2000 mV/m



Facility ID: 39537  
Application ID: 1229690  
CDBS Antenna System ID: 101878

4 Towers  
0 Augmentations

Theoretical pattern RMS: 431.81  
Standard pattern RMS: 453.63

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	838.47	880.51	
5	899.40	944.48	
10	944.63	991.96	
15	971.46	1020.14	
20	978.12	1027.12	
25	963.84	1012.14	
30	929.02	975.58	
35	875.13	919.00	
40	804.68	845.04	
45	721.00	757.18	
50	628.05	659.61	
55	530.16	556.86	
60	431.75	453.57	
65	337.12	354.27	
70	250.31	263.22	
75	175.23	184.56	
80	116.32	122.99	
85	79.76	84.99	
90	69.62	74.52	
95	74.92	79.99	
100	80.67	85.93	
105	80.82	86.09	
110	74.62	79.68	
115	63.33	68.06	
120	49.03	53.48	
125	34.14	38.66	
130	21.18	26.53	
135	12.63	19.63	
140	10.70	18.32	
145	16.69	22.73	
150	31.84	36.43	
155	56.84	61.41	
160	91.46	97.12	
165	134.61	142.08	
170	184.38	194.14	
175	238.17	250.50	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	292.84	307.82	
185	344.92	362.45	
190	390.95	410.75	
195	427.73	449.35	
200	452.67	475.52	
205	463.98	487.39	
210	460.89	484.15	
215	443.69	466.10	
220	413.70	434.63	
225	373.14	392.06	
230	324.88	341.43	
235	272.19	286.17	
240	218.43	229.81	
245	166.76	175.69	
250	119.98	126.81	
255	80.52	85.78	
260	50.86	55.33	
265	34.61	39.12	
270	33.36	37.90	
275	39.50	43.92	
280	46.67	51.09	
285	53.87	58.39	
290	62.05	66.74	
295	72.59	77.58	
300	87.09	92.59	
305	107.43	113.72	
310	135.58	143.09	
315	173.25	182.48	
320	221.48	233.00	
325	280.46	294.84	
330	349.50	367.26	
335	427.02	448.61	
340	510.66	536.39	
345	597.36	627.39	
350	683.53	717.85	
355	765.23	803.63	

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