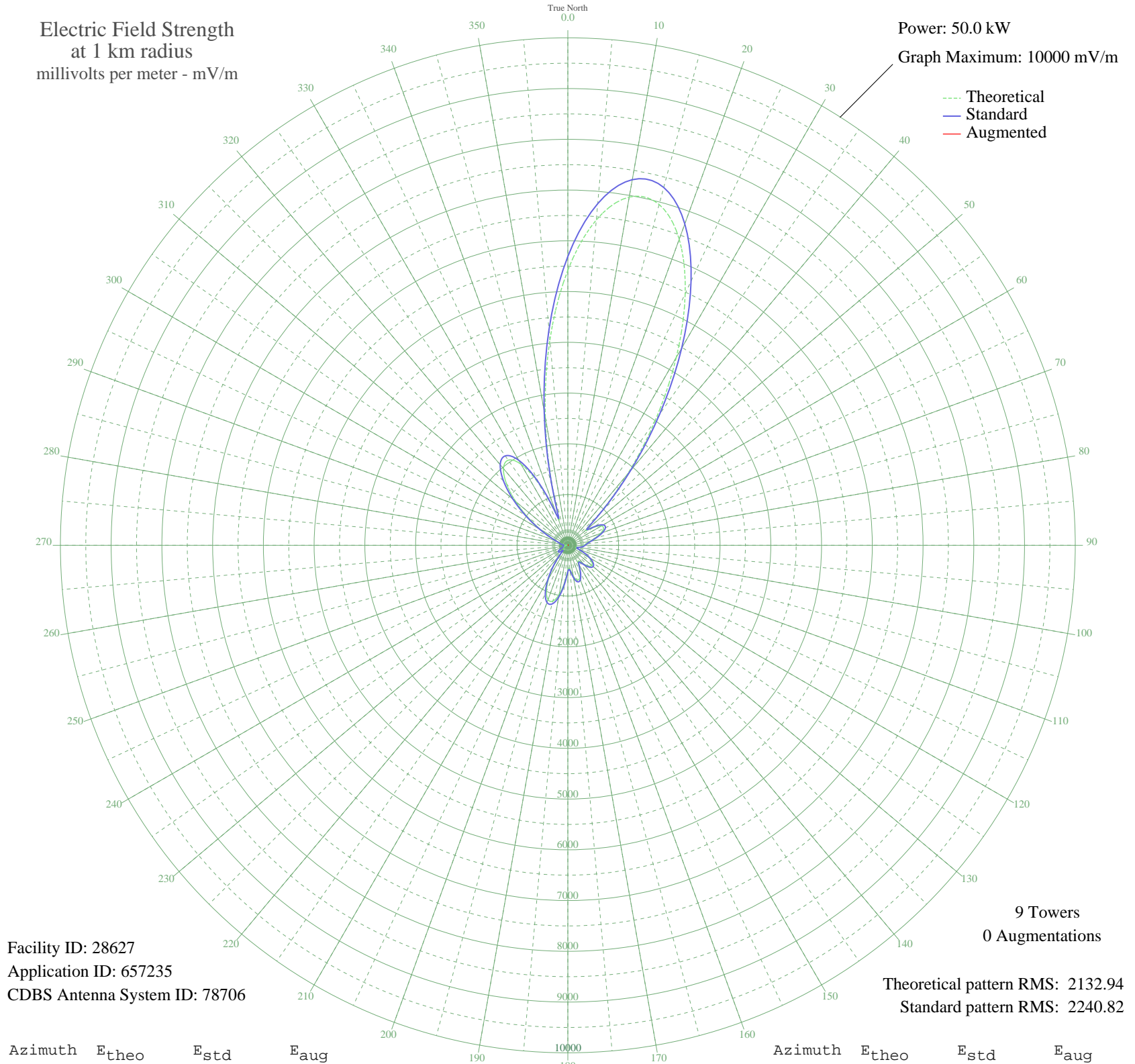


# WXYZ DETROIT, MI BL-20030401CJP 1270 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 28627  
Application ID: 657235  
CDBS Antenna System ID: 78706

Theoretical pattern RMS: 2132.94  
Standard pattern RMS: 2240.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	5419.47	5690.93	
5	6435.55	6757.73	
10	6967.31	7316.05	
15	6952.44	7300.44	
20	6418.27	6739.59	
25	5471.91	5745.99	
30	4273.95	4488.27	
35	3003.90	3154.97	
40	1829.25	1922.15	
45	898.48	946.32	
50	454.27	482.72	
55	609.00	643.75	
60	763.35	804.95	
65	775.25	817.40	
70	684.78	722.85	
75	552.91	585.29	
80	434.36	462.08	
85	359.42	384.63	
90	317.05	341.08	
95	272.83	295.93	
100	208.59	231.26	
105	154.25	178.17	
110	204.30	227.00	
115	336.67	361.22	
120	475.22	504.48	
125	577.97	611.39	
130	616.73	651.81	
135	577.81	611.23	
140	474.33	503.55	
145	375.51	401.22	
150	409.33	436.16	
155	556.49	589.01	
160	682.12	720.07	
165	706.66	745.70	
170	612.71	647.61	
175	470.32	499.39	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	491.05	520.92	
185	729.18	769.23	
190	985.03	1036.95	
195	1137.24	1196.41	
200	1140.07	1199.38	
205	998.32	1050.86	
210	753.57	794.72	
215	467.90	496.87	
220	210.42	233.08	
225	103.71	131.80	
230	176.98	200.11	
235	207.14	229.82	
240	179.18	202.26	
245	120.13	146.37	
250	66.13	101.66	
255	53.85	93.33	
260	57.41	95.63	
265	39.94	85.27	
270	13.32	75.55	
275	56.72	95.18	
280	104.85	132.79	
285	148.73	172.92	
290	220.03	242.67	
295	370.80	396.36	
300	621.05	656.32	
305	956.36	1006.92	
310	1338.40	1407.28	
315	1705.13	1791.92	
320	1973.37	2073.37	
325	2048.46	2152.16	
330	1842.41	1935.96	
335	1305.20	1372.47	
340	578.11	611.53	
345	1143.62	1203.09	
350	2555.92	2684.75	
355	4060.93	4264.62	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission