

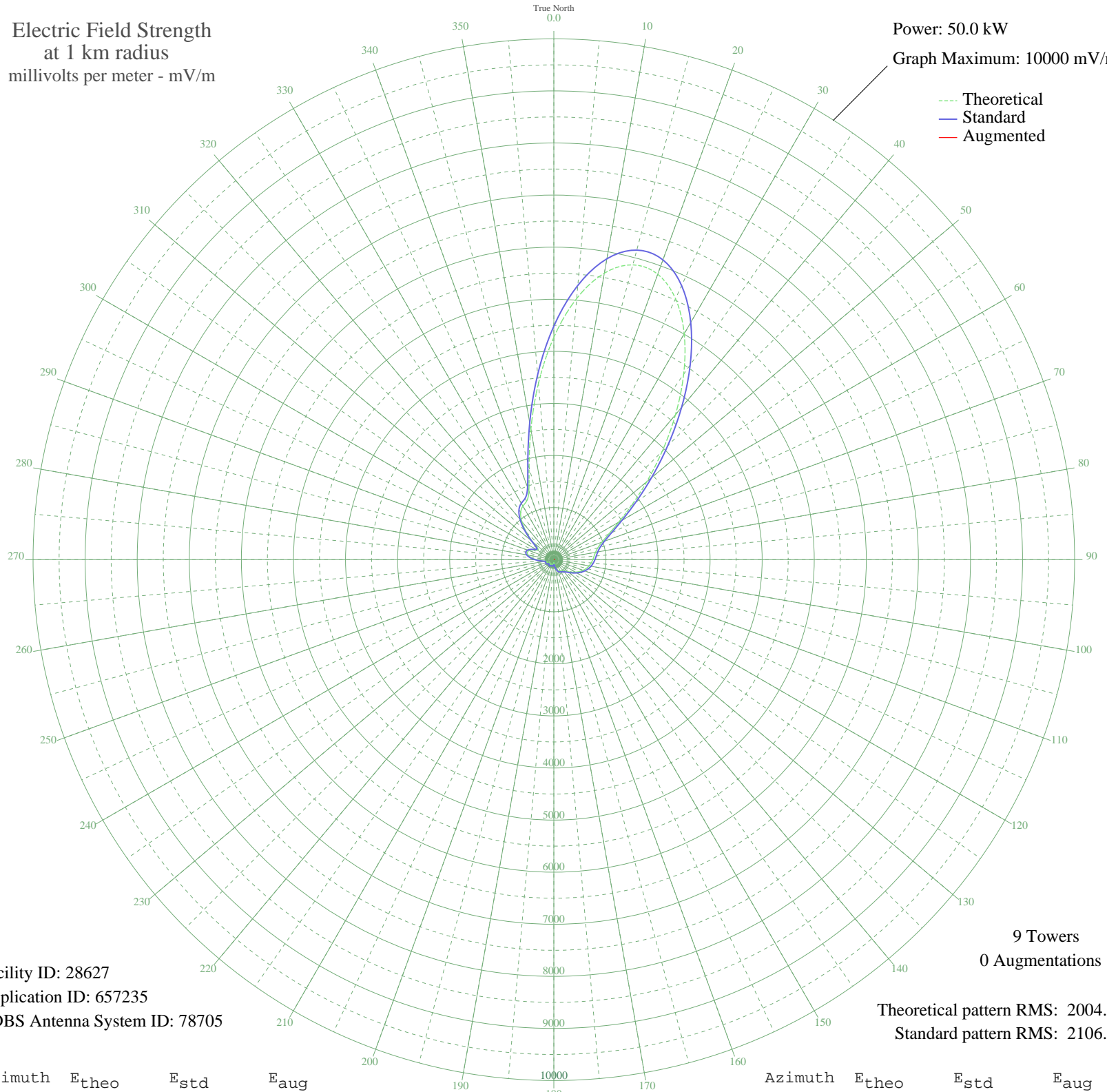
WXYZ DETROIT, MI BL-20030401CJP 1270 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 10000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 28627
Application ID: 657235
CDBS Antenna System ID: 78705

9 Towers
0 Augmentations

Theoretical pattern RMS: 2004.73
Standard pattern RMS: 2106.28

Azimuth	E _{theo}	E _{std}	E _{aug}
0	4269.38	4483.47	
5	5033.65	5285.85	
10	5585.77	5865.53	
15	5859.40	6152.82	
20	5832.78	6124.87	
25	5528.82	5805.73	
30	5006.55	5257.40	
35	4346.48	4564.41	
40	3633.72	3816.13	
45	2943.13	3091.18	
50	2329.55	2447.15	
55	1824.29	1916.95	
60	1437.27	1510.96	
65	1162.20	1222.57	
70	982.14	1033.91	
75	873.86	920.55	
80	812.34	856.19	
85	775.68	817.84	
90	748.11	789.01	
95	720.13	759.77	
100	686.79	724.94	
105	645.87	682.21	
110	596.73	630.95	
115	540.19	572.04	
120	478.73	508.12	
125	416.69	443.78	
130	359.59	384.80	
135	312.78	336.71	
140	279.59	302.81	
145	259.75	282.66	
150	248.73	271.52	
155	238.23	260.93	
160	218.54	241.18	
165	182.49	205.49	
170	129.57	154.99	
175	70.88	105.12	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	49.69	90.75	
185	82.13	113.80	
190	104.37	132.37	
195	102.88	131.08	
200	89.96	120.15	
205	91.67	121.56	
210	111.49	138.62	
215	125.75	151.48	
220	120.35	146.56	
225	99.73	128.36	
230	88.67	119.08	
235	108.25	135.76	
240	136.85	161.74	
245	150.05	174.17	
250	141.73	166.31	
255	129.62	155.04	
260	157.78	181.55	
265	237.14	259.83	
270	337.12	361.68	
275	431.17	458.77	
280	499.57	529.78	
285	527.43	558.76	
290	506.43	536.91	
295	441.04	469.00	
300	366.77	392.20	
305	376.95	402.70	
310	527.12	558.44	
315	745.87	786.67	
320	956.77	1007.35	
325	1110.07	1167.94	
330	1188.14	1249.76	
335	1237.60	1301.60	
340	1402.51	1474.51	
345	1836.61	1929.87	
350	2539.47	2667.47	
355	3395.82	3566.38	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission