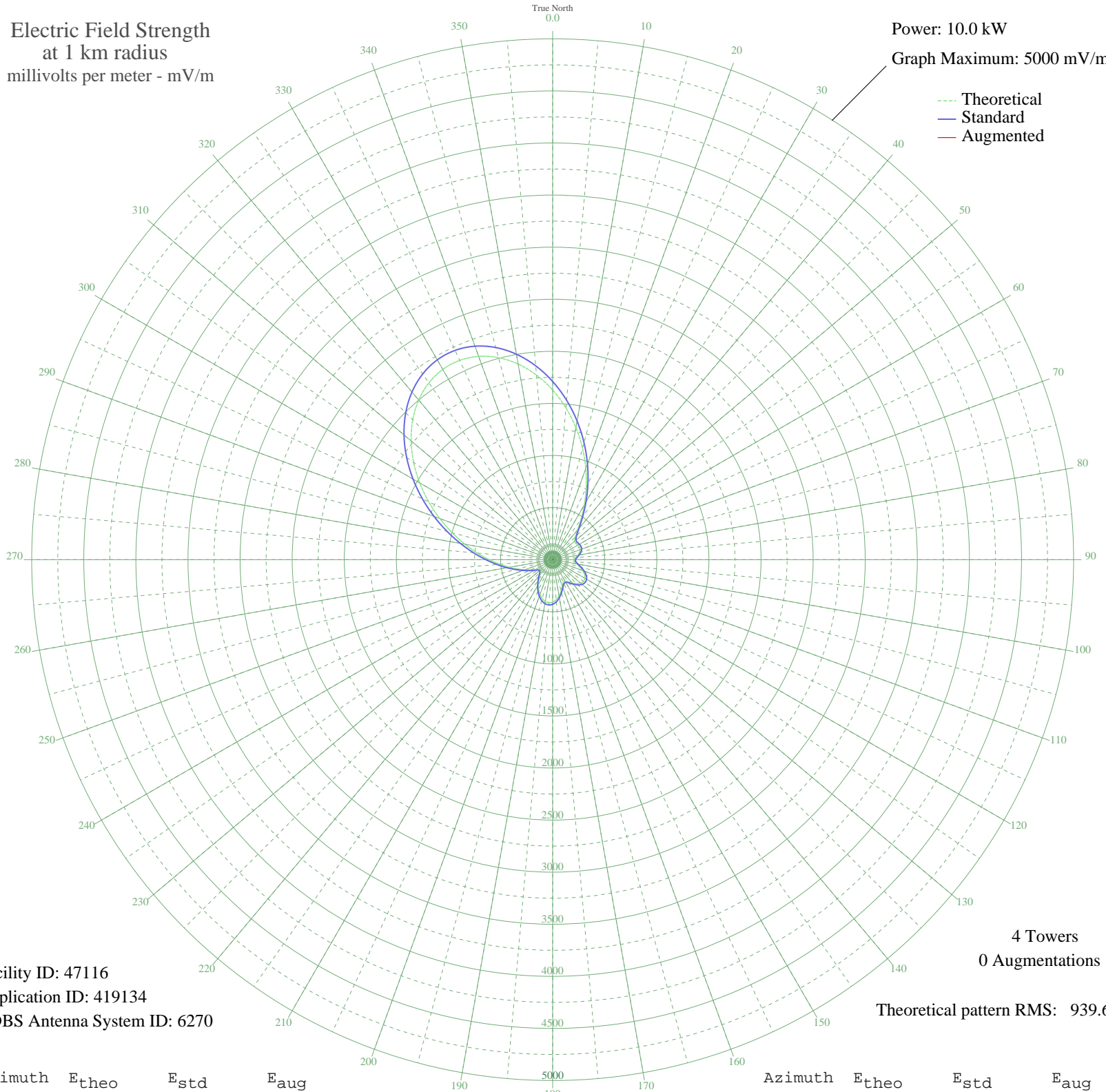


WTKA ANN ARBOR, MI BL-19920112AB 1050 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 47116  
Application ID: 419134  
CDBS Antenna System ID: 6270

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 939.65

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1628.77	1710.53	
5	1462.61	1536.10	
10	1286.59	1351.33	
15	1107.00	1162.82	
20	930.04	977.10	
25	761.81	800.59	
30	608.47	639.76	
35	476.65	501.58	
40	373.74	393.83	
45	306.79	323.84	
50	276.95	292.69	
55	273.72	289.32	
60	280.55	296.44	
65	284.79	300.87	
70	280.27	296.15	
75	265.79	281.04	
80	243.96	258.30	
85	221.06	234.48	
90	206.70	219.56	
95	210.23	223.23	
100	233.35	247.26	
105	268.64	284.02	
110	306.06	323.08	
115	337.36	355.78	
120	356.84	376.15	
125	361.27	380.79	
130	349.88	368.88	
135	324.60	342.44	
140	290.58	306.91	
145	257.05	271.94	
150	236.97	251.03	
155	241.40	255.63	
160	269.60	285.03	
165	310.35	327.55	
170	351.72	370.80	
175	385.51	406.14	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	407.00	428.64	
185	414.11	436.08	
190	406.73	428.36	
195	386.21	406.87	
200	354.92	374.14	
205	315.96	333.41	
210	272.89	288.46	
215	229.74	243.50	
220	191.26	203.55	
225	163.48	174.83	
230	153.05	164.10	
235	163.36	174.72	
240	191.68	203.98	
245	233.31	247.22	
250	285.66	301.77	
255	348.37	367.29	
260	422.40	444.76	
265	509.16	535.65	
270	609.94	641.29	
275	725.45	762.44	
280	855.48	898.87	
285	998.64	1049.10	
290	1152.21	1210.28	
295	1312.13	1378.14	
300	1473.16	1547.17	
305	1629.11	1710.89	
310	1773.32	1862.29	
315	1899.09	1994.32	
320	2000.20	2100.48	
325	2071.47	2175.29	
330	2109.07	2214.77	
335	2110.87	2216.66	
340	2076.55	2180.63	
345	2007.54	2108.18	
350	1906.85	2002.47	
355	1778.83	1868.06	

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