

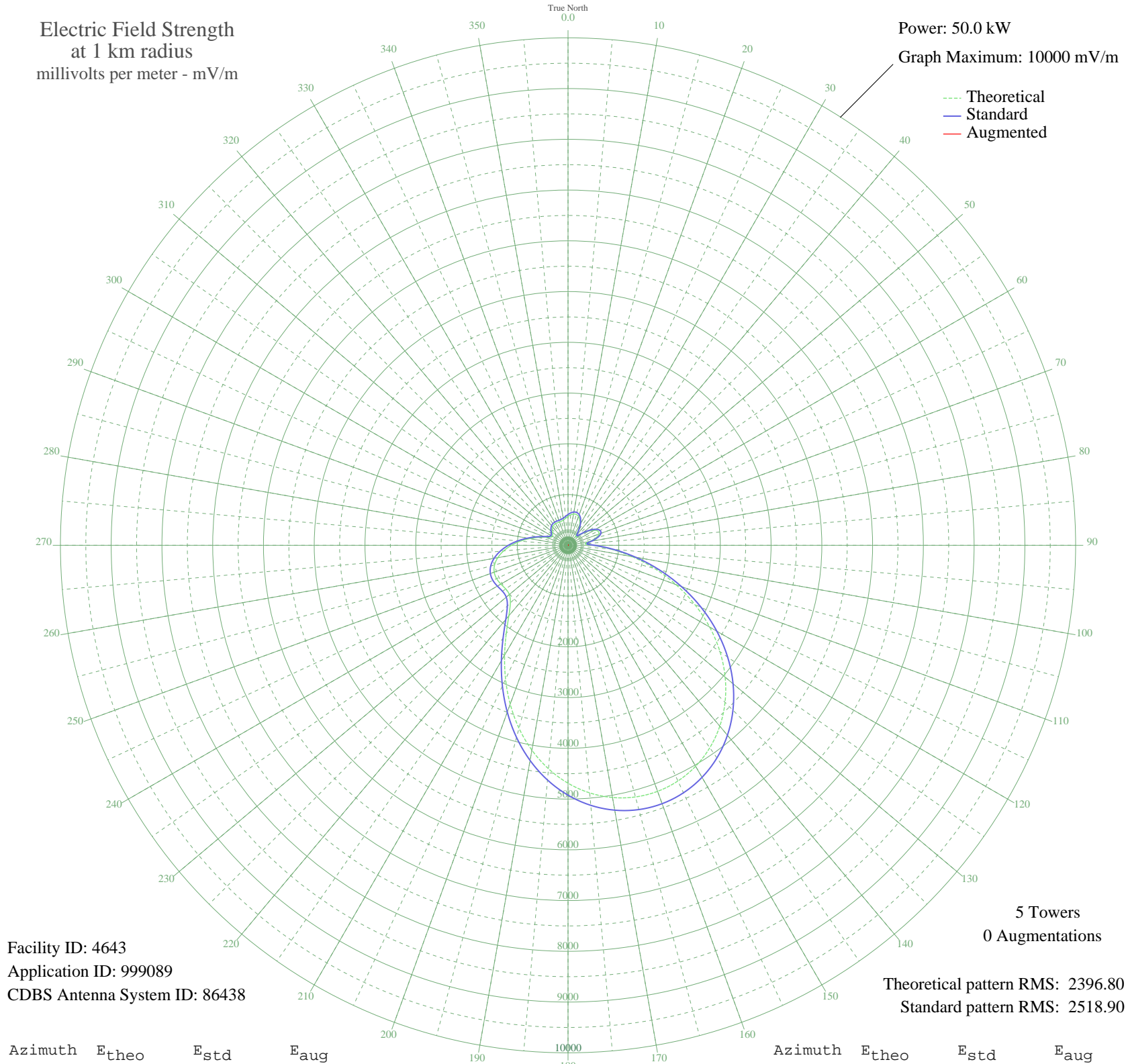
# WMET GAITHERSBURG, MD BL-20040608ACB 1160 kHz

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: 4643  
Application ID: 999089  
CDBS Antenna System ID: 86438

5 Towers  
0 Augmentations

Theoretical pattern RMS: 2396.80  
Standard pattern RMS: 2518.90

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	569.15	606.96	
5	603.25	642.24	
10	626.67	666.51	
15	629.64	669.58	
20	604.18	643.20	
25	545.63	582.66	
30	454.54	488.92	
35	340.83	373.27	
40	238.80	272.27	
45	234.45	268.07	
50	344.29	376.75	
55	480.51	515.58	
60	592.61	631.22	
65	654.00	694.85	
70	648.35	688.98	
75	569.81	607.64	
80	434.22	468.11	
85	336.53	368.94	
90	487.28	522.53	
95	841.26	889.67	
100	1282.55	1350.85	
105	1765.26	1856.56	
110	2262.61	2378.10	
115	2753.87	2893.51	
120	3222.27	3385.04	
125	3654.59	3838.79	
130	4041.05	4244.43	
135	4374.90	4594.87	
140	4651.89	4885.64	
145	4869.67	5114.26	
150	5027.09	5279.51	
155	5123.67	5380.90	
160	5159.15	5418.15	
165	5133.31	5391.02	
170	5045.95	5299.31	
175	4897.17	5143.13	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	4687.81	4923.35	
185	4420.17	4642.39	
190	4098.79	4305.04	
195	3731.43	3919.44	
200	3330.00	3498.11	
205	2911.52	3058.93	
210	2498.98	2626.08	
215	2121.83	2230.45	
220	1814.25	1907.92	
225	1607.00	1690.68	
230	1509.89	1588.93	
235	1498.70	1577.20	
240	1527.37	1607.25	
245	1552.79	1633.88	
250	1547.27	1628.09	
255	1498.45	1576.95	
260	1405.27	1479.34	
265	1273.95	1341.85	
270	1115.03	1175.58	
275	941.12	993.85	
280	765.76	811.02	
285	603.18	642.17	
290	469.26	504.02	
295	381.68	414.57	
300	351.66	384.18	
305	368.13	400.84	
310	405.03	438.32	
315	442.27	476.35	
320	470.26	505.04	
325	486.23	521.45	
330	491.49	526.86	
335	490.10	525.43	
340	488.09	523.36	
345	492.15	527.53	
350	507.30	543.13	
355	534.41	571.07	