

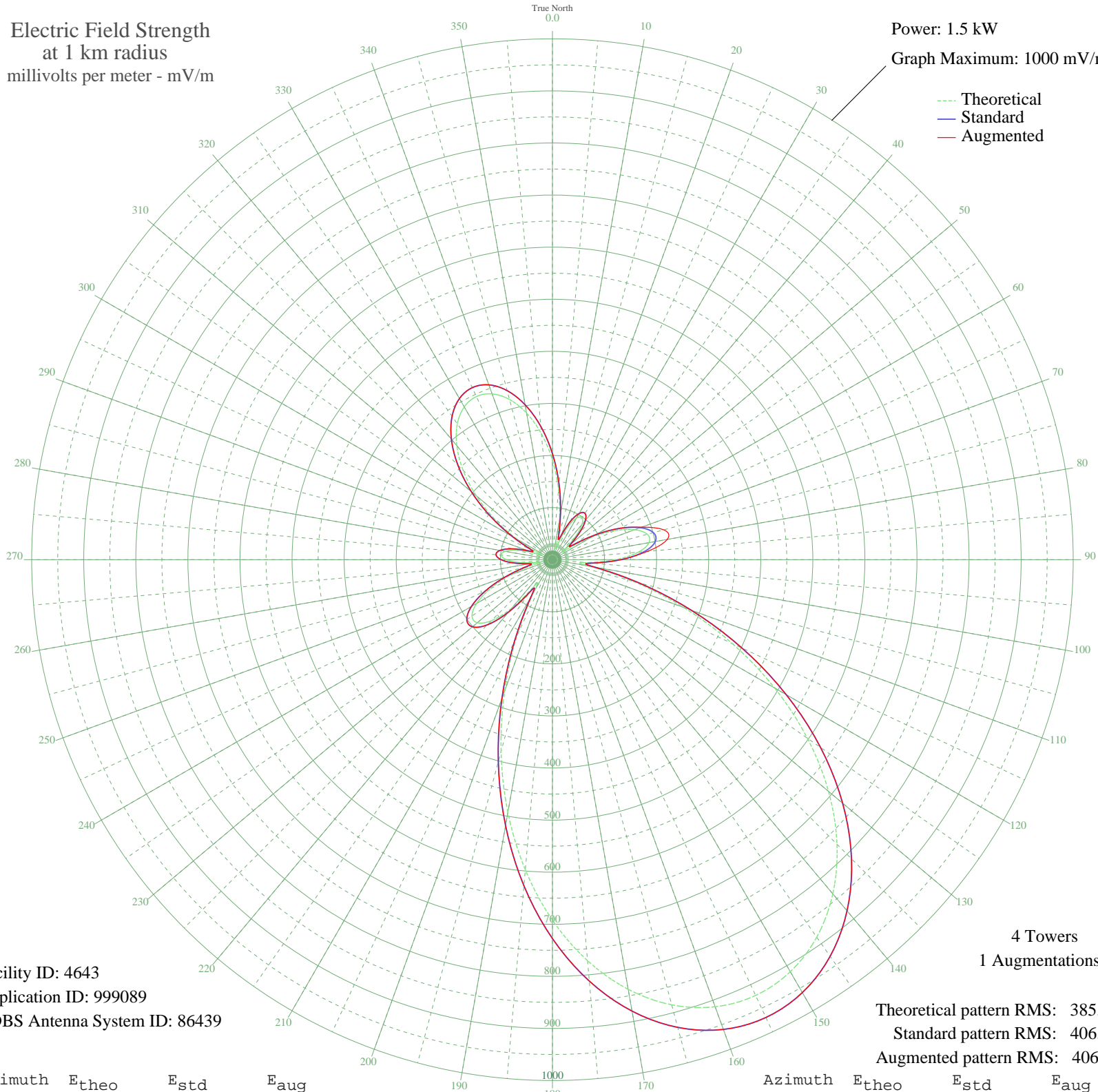
WMET GAITHERSBURG, MD BL-20040608ACB 1160 kHz

Nighttime

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

Power: 1.5 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
--- Standard  
--- Augmented



Facility ID: 4643  
Application ID: 999089  
CDBS Antenna System ID: 86439

Theoretical pattern RMS: 385.70  
Standard pattern RMS: 406.40  
Augmented pattern RMS: 406.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	191.16	203.49	203.49
5	134.95	145.60	145.60
10	78.07	88.56	88.56
15	28.84	45.16	45.16
20	35.58	50.18	50.18
25	69.54	80.33	80.33
30	91.99	102.24	102.24
35	98.56	108.78	108.78
40	88.29	98.57	98.57
45	62.69	73.85	73.85
50	28.91	45.21	45.21
55	37.74	51.89	51.89
60	85.00	95.33	95.33
65	131.51	142.09	142.09
70	168.08	179.63	182.51
75	188.49	200.73	221.29
80	188.38	200.61	223.90
85	165.61	177.09	183.34
90	121.16	131.55	131.55
95	65.10	76.12	76.12
100	71.19	81.92	81.92
105	160.31	171.63	171.63
110	268.19	283.58	283.58
115	381.17	401.63	401.63
120	492.69	518.40	518.40
125	597.66	628.44	628.44
130	692.08	727.45	727.45
135	772.81	812.14	812.14
140	837.58	880.10	880.10
145	884.82	929.66	929.66
150	913.52	959.78	959.78
155	923.15	969.88	969.88
160	913.52	959.78	959.78
165	884.82	929.66	929.66
170	837.58	880.10	880.10
175	772.81	812.14	812.14

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	692.08	727.45	727.45
185	597.66	628.44	628.44
190	492.69	518.40	518.40
195	381.17	401.63	401.63
200	268.19	283.58	283.58
205	160.31	171.63	171.63
210	71.19	81.92	81.92
215	65.10	76.12	76.12
220	121.16	131.55	131.55
225	165.61	177.09	177.09
230	188.38	200.61	200.61
235	188.49	200.73	200.73
240	168.08	179.63	179.63
245	131.51	142.09	142.09
250	85.00	95.33	95.33
255	37.74	51.89	51.89
260	28.91	45.21	45.21
265	62.69	73.85	73.85
270	88.29	98.57	98.57
275	98.56	108.78	108.78
280	91.99	102.24	102.24
285	69.54	80.33	80.33
290	35.58	50.18	50.18
295	28.84	45.16	45.16
300	78.07	88.56	88.56
305	134.95	145.60	145.60
310	191.16	203.49	203.49
315	242.51	256.83	256.83
320	285.76	301.91	301.91
325	318.40	335.99	335.99
330	338.69	357.19	357.19
335	345.56	364.38	364.38
340	338.69	357.19	357.19
345	318.40	335.99	335.99
350	285.76	301.91	301.91
355	242.51	256.83	256.83

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