

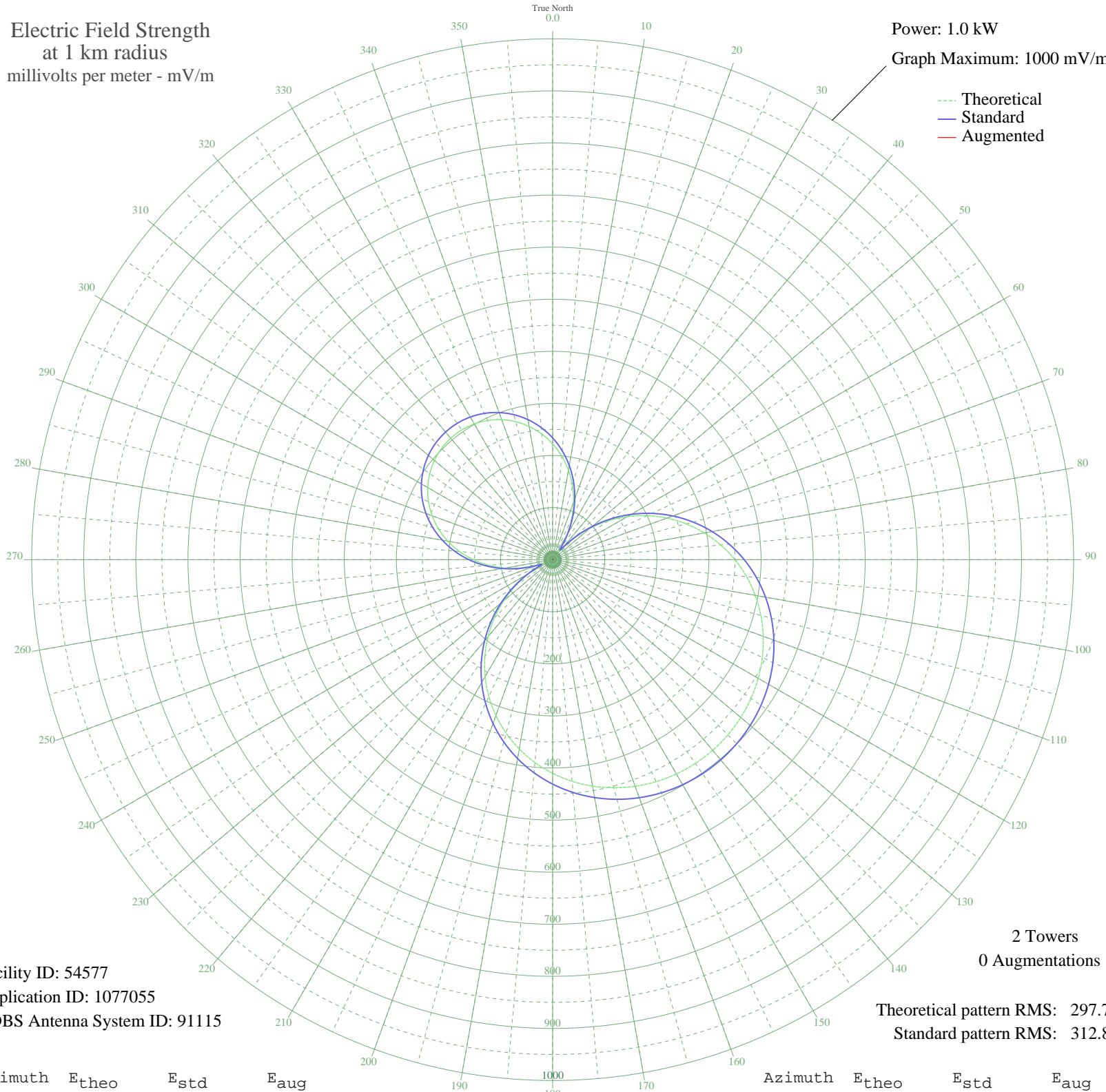
WPOG ST. MATTHEWS, SC BML-20050616AEO 710 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 54577
Application ID: 1077055
CDBS Antenna System ID: 91115

2 Towers
0 Augmentations

Theoretical pattern RMS: 297.73
Standard pattern RMS: 312.87

Azimuth	E _{theo}	E _{std}	E _{aug}
0	222.26	233.71	
5	199.58	209.94	
10	174.42	183.58	
15	146.96	154.83	
20	117.44	123.96	
25	86.21	91.41	
30	53.98	58.08	
35	23.97	28.17	
40	26.00	30.10	
45	58.21	62.42	
50	93.67	99.16	
55	129.55	136.62	
60	165.10	173.81	
65	199.84	210.21	
70	233.39	245.38	
75	265.42	278.98	
80	295.67	310.71	
85	323.90	340.33	
90	349.94	367.65	
95	373.65	392.54	
100	394.96	414.90	
105	413.80	434.68	
110	430.18	451.86	
115	444.09	466.46	
120	455.56	478.50	
125	464.63	488.02	
130	471.33	495.06	
135	475.70	499.65	
140	477.77	501.81	
145	477.54	501.57	
150	475.01	498.92	
155	470.18	493.85	
160	463.00	486.32	
165	453.46	476.30	
170	441.50	463.75	
175	427.10	448.63	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	410.23	430.93	
185	390.89	410.63	
190	369.10	387.76	
195	344.91	362.38	
200	318.42	334.58	
205	289.77	304.53	
210	259.15	272.40	
215	226.79	238.47	
220	192.97	203.02	
225	158.04	166.42	
230	122.38	129.12	
235	86.51	91.71	
240	51.31	55.34	
245	21.24	25.64	
250	29.23	33.20	
255	60.44	64.72	
260	92.57	98.02	
265	123.49	130.28	
270	152.63	160.76	
275	179.64	189.05	
280	204.32	214.91	
285	226.48	238.14	
290	246.00	258.61	
295	262.79	276.22	
300	276.80	290.91	
305	287.97	302.63	
310	296.29	311.36	
315	301.75	317.09	
320	304.33	319.80	
325	304.04	319.50	
330	300.88	316.18	
335	294.85	309.86	
340	285.96	300.53	
345	274.22	288.21	
350	259.66	272.93	
355	242.31	254.74	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission