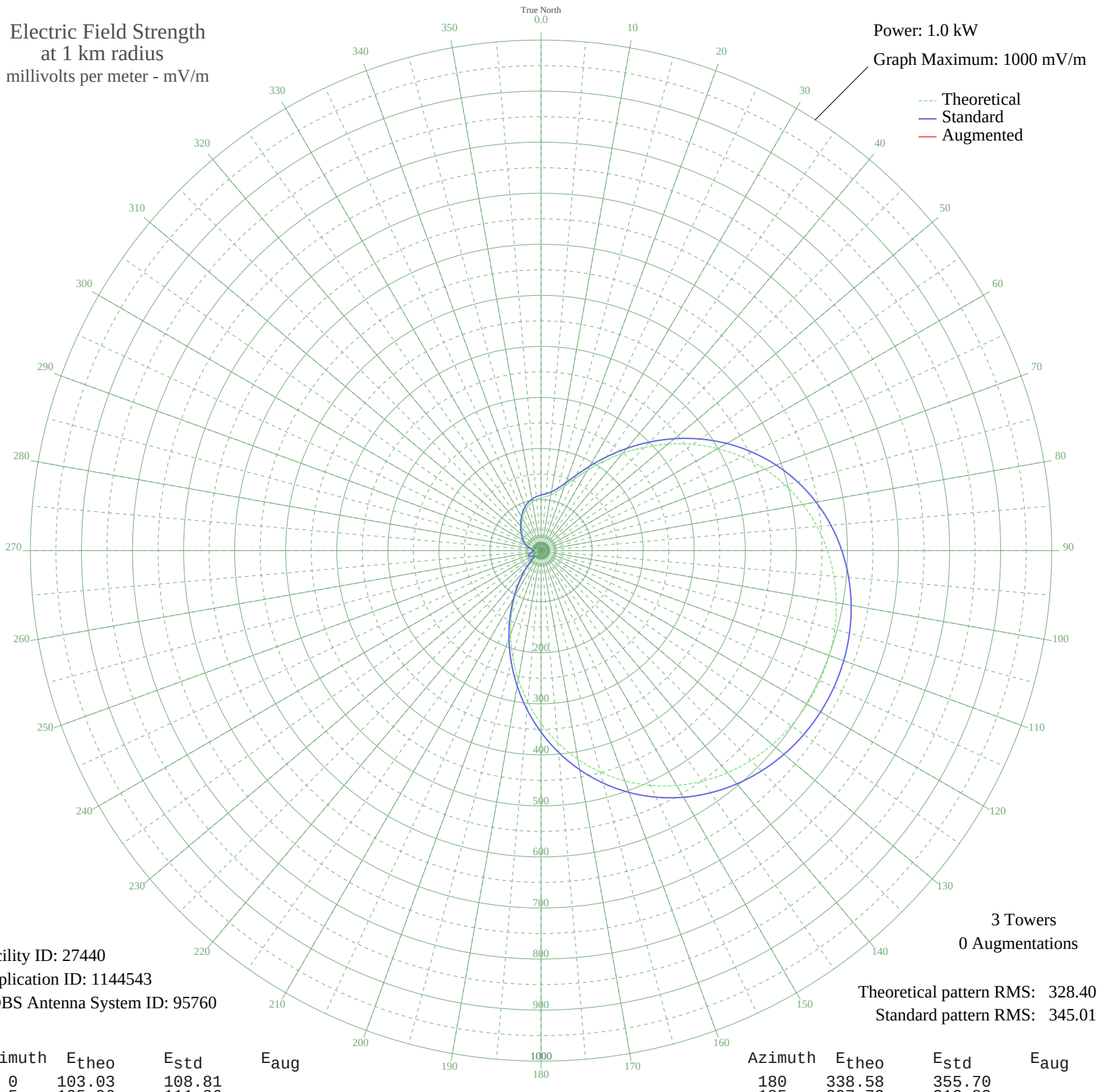
WGGM CHESTER, VA BL-20060725AFI 820 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 27440
Application ID: 1144543
CDBS Antenna System ID: 95760

Theoretical pattern RMS: 328.40
Standard pattern RMS: 345.01

Azimuth	E_{theo}	E_{std}	E_{aug}
0	103.03	108.81	
5	105.96	111.86	
10	110.82	116.94	
15	119.64	126.16	
20	134.11	141.29	
25	154.92	163.08	
30	181.71	191.15	
35	213.42	224.39	
40	248.71	261.41	
45	286.21	300.74	
50	324.60	341.03	
55	362.73	381.04	
60	399.58	419.72	
65	434.34	456.21	
70	466.38	489.84	
75	495.26	520.15	
80	520.70	546.86	
85	542.58	569.83	
90	560.90	589.06	
95	575.72	604.62	
100	587.17	616.64	
105	595.39	625.26	
110	600.50	630.64	
115	602.62	632.86	
120	601.78	631.97	
125	597.97	627.98	
130	591.15	620.81	
135	581.19	610.36	
140	567.97	596.48	
145	551.33	579.02	
150	531.16	557.84	
155	507.36	532.86	
160	479.95	504.08	
165	449.04	471.63	
170	414.88	435.77	
175	377.87	396.93	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	338.58	355.70	
185	297.72	312.83	
190	256.15	269.21	
195	214.79	225.83	
200	174.62	183.72	
205	136.62	143.93	
210	101.70	107.42	
215	70.65	75.09	
220	44.17	47.82	
225	23.07	26.88	
230	10.22	15.84	
235	12.71	17.72	
240	18.79	22.91	
245	21.97	25.85	
250	21.98	25.86	
255	19.35	23.42	
260	14.86	19.47	
265	9.70	15.48	
270	6.95	13.75	
275	10.37	15.95	
280	16.35	20.75	
285	22.45	26.30	
290	28.06	31.68	
295	33.06	36.61	
300	37.60	41.17	
305	42.02	45.63	
310	46.69	50.39	
315	51.97	55.80	
320	58.04	62.04	
325	64.85	69.08	
330	72.12	76.62	
335	79.43	84.21	
340	86.27	91.33	
345	92.19	97.50	
350	96.89	102.40	
355	100.36	106.02	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission