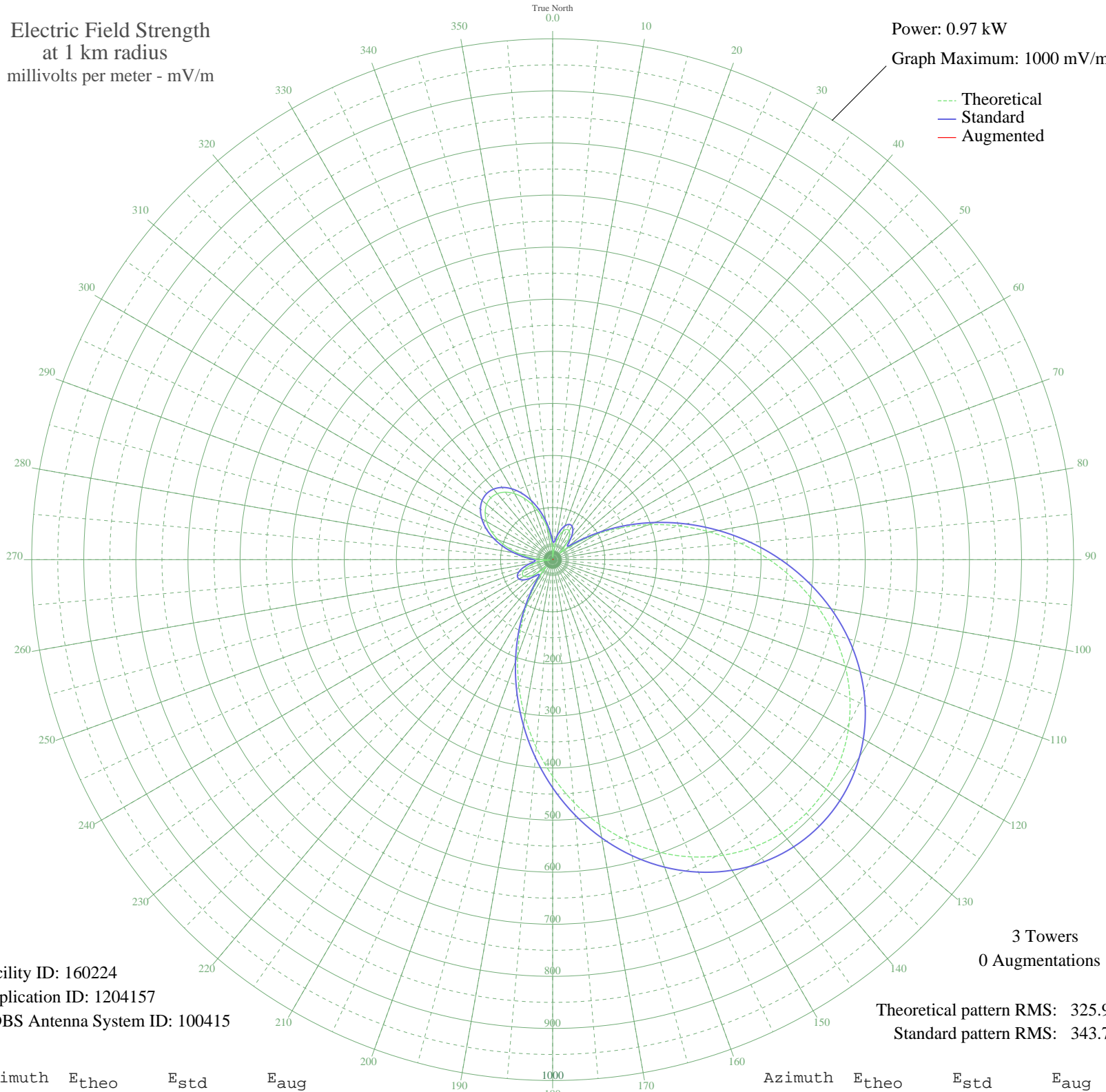


WURA QUANTICO, VA BMP-20070918ACB 920 kHz

Nighttime

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

Power: 0.97 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 160224
Application ID: 1204157
CDBS Antenna System ID: 100415

3 Towers
0 Augmentations

Theoretical pattern RMS: 325.92
Standard pattern RMS: 343.76

Azimuth	E _{theo}	E _{std}	E _{aug}
0	15.76	36.52	
5	9.70	34.11	
10	29.38	44.85	
15	46.07	58.31	
20	57.98	69.04	
25	64.12	74.78	
30	63.73	74.41	
35	56.38	67.56	
40	42.24	55.02	
45	23.98	41.16	
50	24.22	41.31	
55	55.60	66.85	
60	97.20	107.12	
65	144.63	155.31	
70	196.20	208.56	
75	250.47	265.00	
80	306.08	323.03	
85	361.66	381.14	
90	415.93	437.94	
95	467.67	492.13	
100	515.79	542.56	
105	559.34	588.21	
110	597.50	628.22	
115	629.59	661.87	
120	655.08	688.60	
125	673.56	707.99	
130	684.76	719.74	
135	688.52	723.67	
140	684.76	719.74	
145	673.56	707.99	
150	655.08	688.60	
155	629.59	661.87	
160	597.50	628.22	
165	559.34	588.21	
170	515.79	542.56	
175	467.67	492.13	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	415.93	437.94	
185	361.66	381.14	
190	306.08	323.03	
195	250.47	265.00	
200	196.20	208.56	
205	144.63	155.31	
210	97.20	107.12	
215	55.60	66.85	
220	24.22	41.31	
225	23.98	41.16	
230	42.24	55.02	
235	56.38	67.56	
240	63.73	74.41	
245	64.12	74.78	
250	57.98	69.04	
255	46.07	58.31	
260	29.38	44.85	
265	9.70	34.11	
270	15.76	36.52	
275	39.96	53.11	
280	64.79	75.42	
285	88.83	98.79	
290	111.02	121.03	
295	130.45	140.79	
300	146.37	157.09	
305	158.16	169.23	
310	165.42	176.71	
315	167.86	179.24	
320	165.42	176.71	
325	158.16	169.23	
330	146.37	157.09	
335	130.45	140.79	
340	111.02	121.03	
345	88.83	98.79	
350	64.79	75.42	
355	39.96	53.11	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission