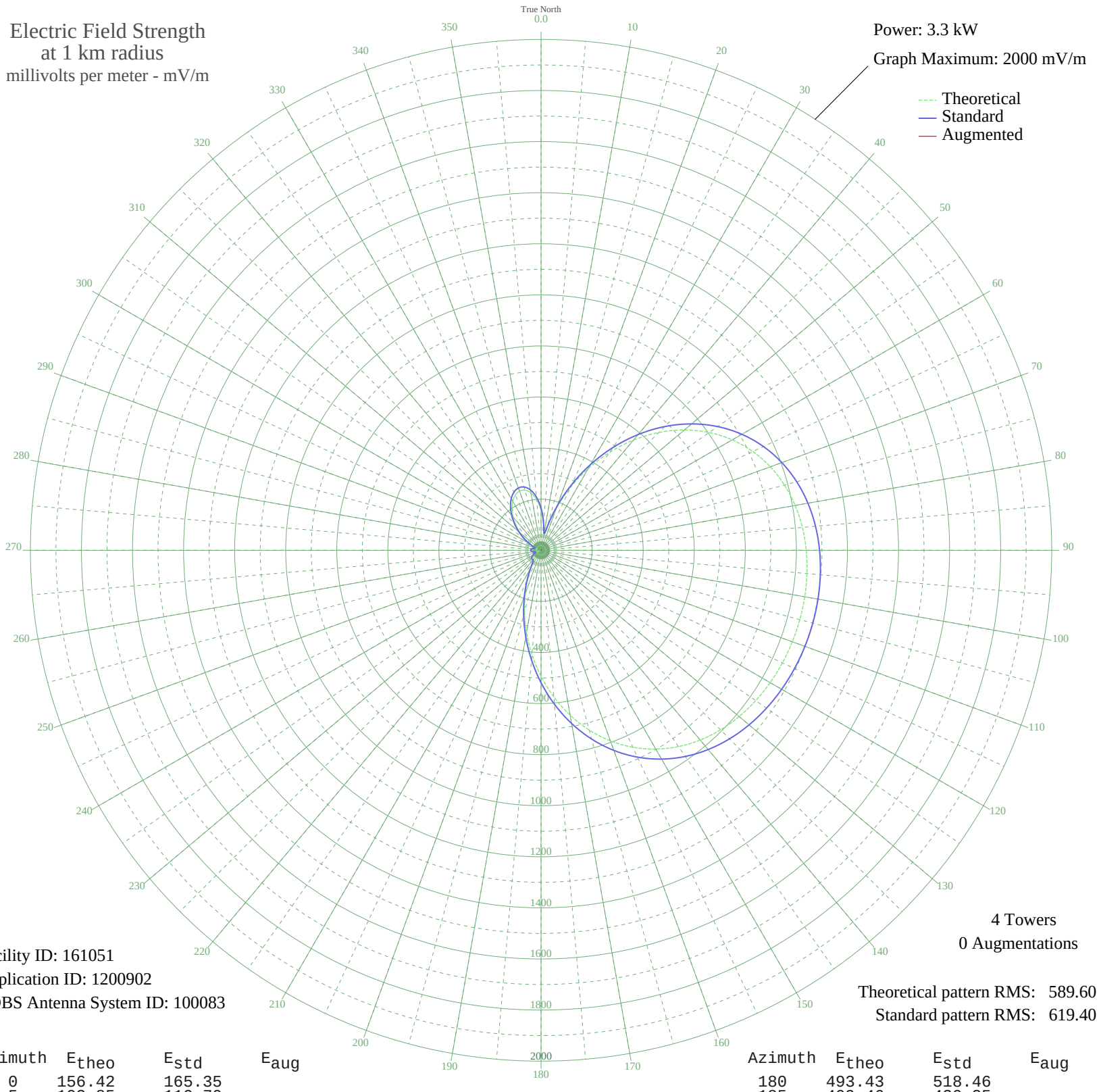
WVNC MASONBORO, NC BNP-20051031AFQ 820 kHz

Nighttime

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



Power: 3.3 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 161051
Application ID: 1200902
CDBS Antenna System ID: 100083

Theoretical pattern RMS: 589.60
Standard pattern RMS: 619.40

Azimuth	E_{theo}	E_{std}	E_{aug}
0	156.42	165.35	
5	103.85	110.70	
10	60.62	66.45	
15	93.03	99.52	
20	174.89	184.62	
25	269.65	283.78	
30	368.73	387.63	
35	467.64	491.40	
40	563.00	591.45	
45	652.06	684.93	
50	732.81	769.69	
55	803.90	844.31	
60	864.68	908.12	
65	915.11	961.05	
70	955.64	1003.61	
75	987.13	1036.67	
80	1010.67	1061.37	
85	1027.44	1078.98	
90	1038.67	1090.77	
95	1045.46	1097.90	
100	1048.74	1101.35	
105	1049.20	1101.82	
110	1047.24	1099.77	
115	1042.97	1095.28	
120	1036.16	1088.13	
125	1026.30	1077.78	
130	1012.61	1063.41	
135	994.10	1043.98	
140	969.67	1018.33	
145	938.23	985.33	
150	898.83	943.96	
155	850.79	893.53	
160	793.88	833.79	
165	728.42	765.08	
170	655.36	688.39	
175	576.29	605.41	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	493.43	518.46	
185	409.46	430.35	
190	327.35	344.25	
195	250.19	263.39	
200	180.95	190.95	
205	122.46	129.99	
210	77.71	83.80	
215	50.49	56.34	
220	42.17	48.21	
225	43.08	49.09	
230	42.61	48.63	
235	37.50	43.75	
240	28.16	35.19	
245	16.47	25.75	
250	7.59	20.67	
255	14.12	24.16	
260	24.08	31.67	
265	31.48	38.16	
270	34.99	41.40	
275	34.04	40.51	
280	28.52	35.50	
285	19.35	27.87	
290	13.67	23.87	
295	26.78	33.97	
300	49.88	55.74	
305	77.39	83.46	
310	107.51	114.48	
315	138.75	146.93	
320	169.46	178.96	
325	197.75	208.51	
330	221.51	233.37	
335	238.51	251.17	
340	246.55	259.58	
345	243.58	256.47	
350	227.99	240.15	
355	198.86	209.67	

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