

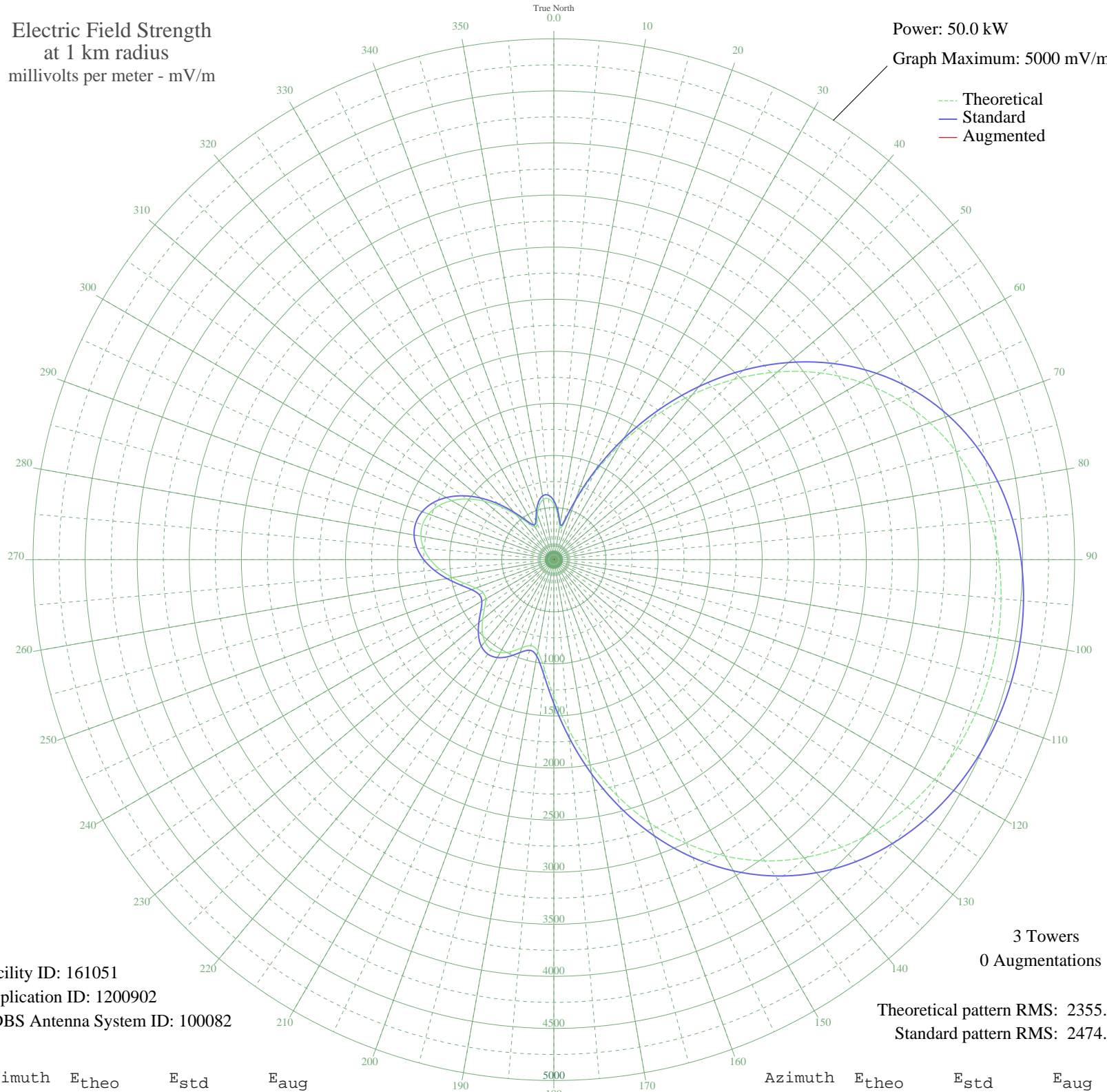
WVNC MASONBORO, NC BNP-20051031AFQ 820 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 161051
Application ID: 1200902
CDBS Antenna System ID: 100082

3 Towers
0 Augmentations

Theoretical pattern RMS: 2355.00
Standard pattern RMS: 2474.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	534.12	565.92	
5	432.13	460.02	
10	324.68	349.23	
15	350.20	375.44	
20	575.19	608.69	
25	902.26	950.40	
30	1276.23	1342.18	
35	1670.38	1755.54	
40	2065.85	2170.47	
45	2447.49	2570.98	
50	2803.35	2944.49	
55	3124.70	3281.82	
60	3406.13	3577.24	
65	3645.24	3828.26	
70	3842.28	4035.11	
75	3999.53	4200.19	
80	4120.63	4327.32	
85	4209.92	4421.06	
90	4271.83	4486.06	
95	4310.36	4526.51	
100	4328.65	4545.72	
105	4328.76	4545.83	
110	4311.43	4527.64	
115	4276.10	4490.55	
120	4220.96	4432.66	
125	4143.11	4350.92	
130	4038.88	4241.50	
135	3904.27	4100.19	
140	3735.47	3922.97	
145	3529.50	3706.75	
150	3284.95	3450.03	
155	3002.71	3153.75	
160	2686.69	2822.04	
165	2344.56	2462.96	
170	1988.48	2089.28	
175	1636.10	1719.58	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1312.36	1380.06	
185	1051.53	1106.70	
190	893.04	940.75	
195	854.33	900.24	
200	901.01	949.09	
205	974.16	1025.67	
210	1030.95	1085.14	
215	1050.93	1106.08	
220	1029.31	1083.43	
225	971.82	1023.22	
230	892.40	940.08	
235	812.16	856.13	
240	757.16	798.62	
245	750.18	791.32	
250	797.31	840.60	
255	884.73	932.05	
260	990.61	1042.89	
265	1095.92	1153.21	
270	1187.19	1248.85	
275	1255.61	1320.56	
280	1295.65	1362.54	
285	1304.13	1371.44	
290	1279.61	1345.73	
295	1222.10	1285.44	
300	1133.03	1192.09	
305	1015.46	1068.92	
310	874.56	921.41	
315	718.62	758.34	
320	561.42	594.34	
325	427.76	455.50	
330	359.06	384.55	
335	382.31	408.51	
340	460.07	488.98	
345	539.02	571.03	
350	587.24	621.24	
355	587.89	621.92	

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