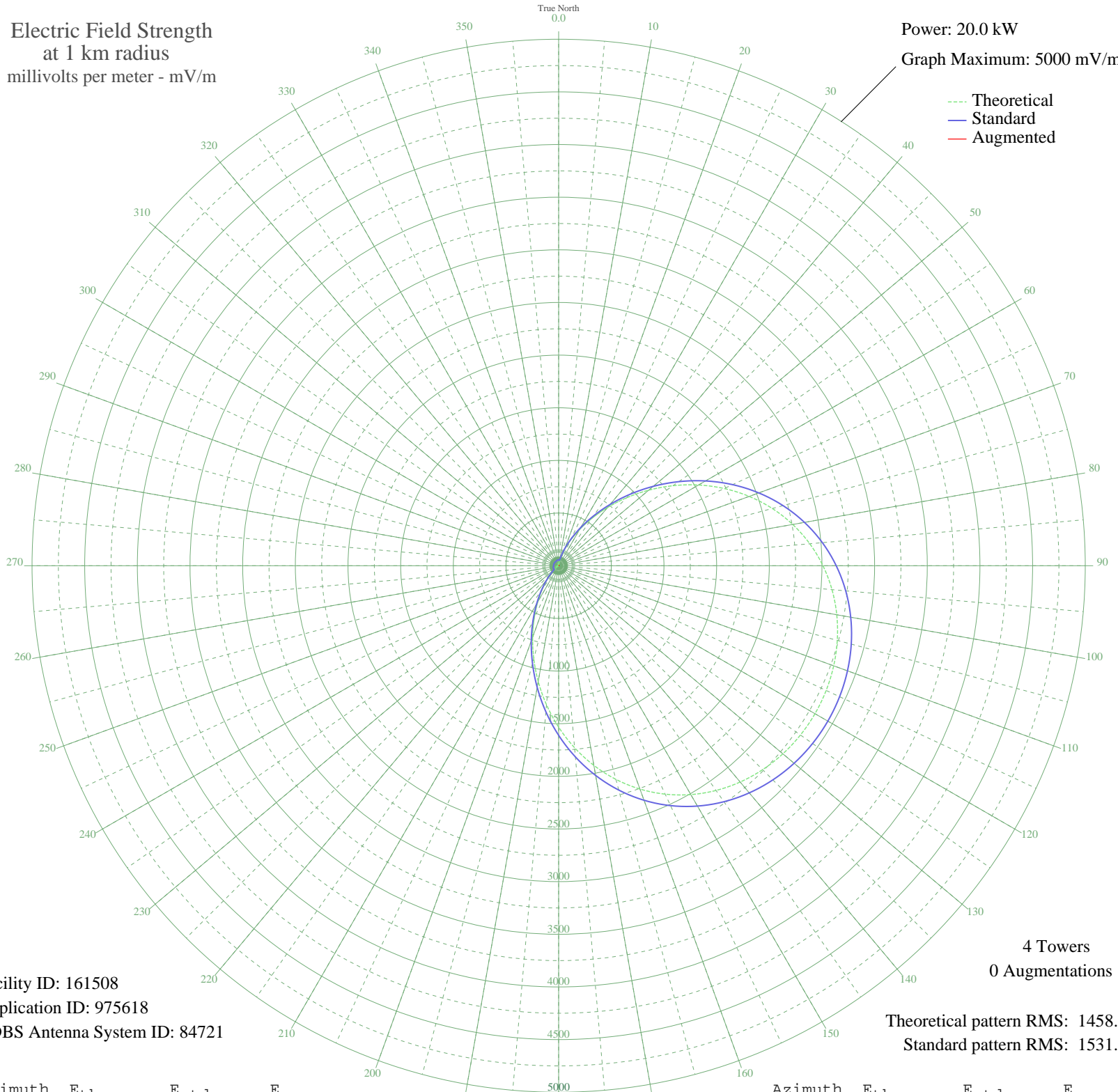


NEW WINDSOR, VA BNP-20040130BJM 720 kHz

Daytime

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

Power: 20.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 161508
Application ID: 975618
CDBS Antenna System ID: 84721

4 Towers
0 Augmentations

Theoretical pattern RMS: 1458.00
Standard pattern RMS: 1531.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	22.74	53.62	
5	3.69	48.17	
10	31.38	58.23	
15	86.29	102.54	
20	164.18	178.95	
25	267.02	284.45	
30	395.32	417.86	
35	547.93	577.33	
40	722.02	759.64	
45	913.28	960.14	
50	1116.28	1173.08	
55	1324.97	1392.04	
60	1533.12	1610.50	
65	1734.92	1822.30	
70	1925.29	2022.13	
75	2100.22	2205.75	
80	2256.85	2370.18	
85	2393.53	2513.66	
90	2509.61	2635.53	
95	2605.31	2735.99	
100	2681.37	2815.85	
105	2738.89	2876.24	
110	2778.98	2918.33	
115	2802.60	2943.13	
120	2810.40	2951.31	
125	2802.60	2943.13	
130	2778.98	2918.33	
135	2738.89	2876.24	
140	2681.37	2815.85	
145	2605.30	2735.99	
150	2509.61	2635.53	
155	2393.53	2513.66	
160	2256.85	2370.18	
165	2100.22	2205.75	
170	1925.29	2022.13	
175	1734.92	1822.30	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1533.12	1610.50	
185	1324.97	1392.04	
190	1116.28	1173.08	
195	913.28	960.14	
200	722.02	759.64	
205	547.93	577.33	
210	395.32	417.86	
215	267.02	284.45	
220	164.18	178.95	
225	86.29	102.54	
230	31.38	58.23	
235	3.69	48.17	
240	22.74	53.62	
245	29.87	57.35	
250	29.01	56.86	
255	23.58	54.02	
260	16.32	50.98	
265	9.14	48.96	
270	3.21	48.13	
275	1.00	48.02	
280	3.52	48.15	
285	4.69	48.26	
290	5.03	48.30	
295	5.01	48.30	
300	4.96	48.29	
305	5.01	48.30	
310	5.03	48.30	
315	4.70	48.26	
320	3.52	48.15	
325	1.00	48.02	
330	3.21	48.13	
335	9.14	48.96	
340	16.32	50.98	
345	23.58	54.02	
350	29.01	56.86	
355	29.87	57.35	

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.

09 Nov 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission