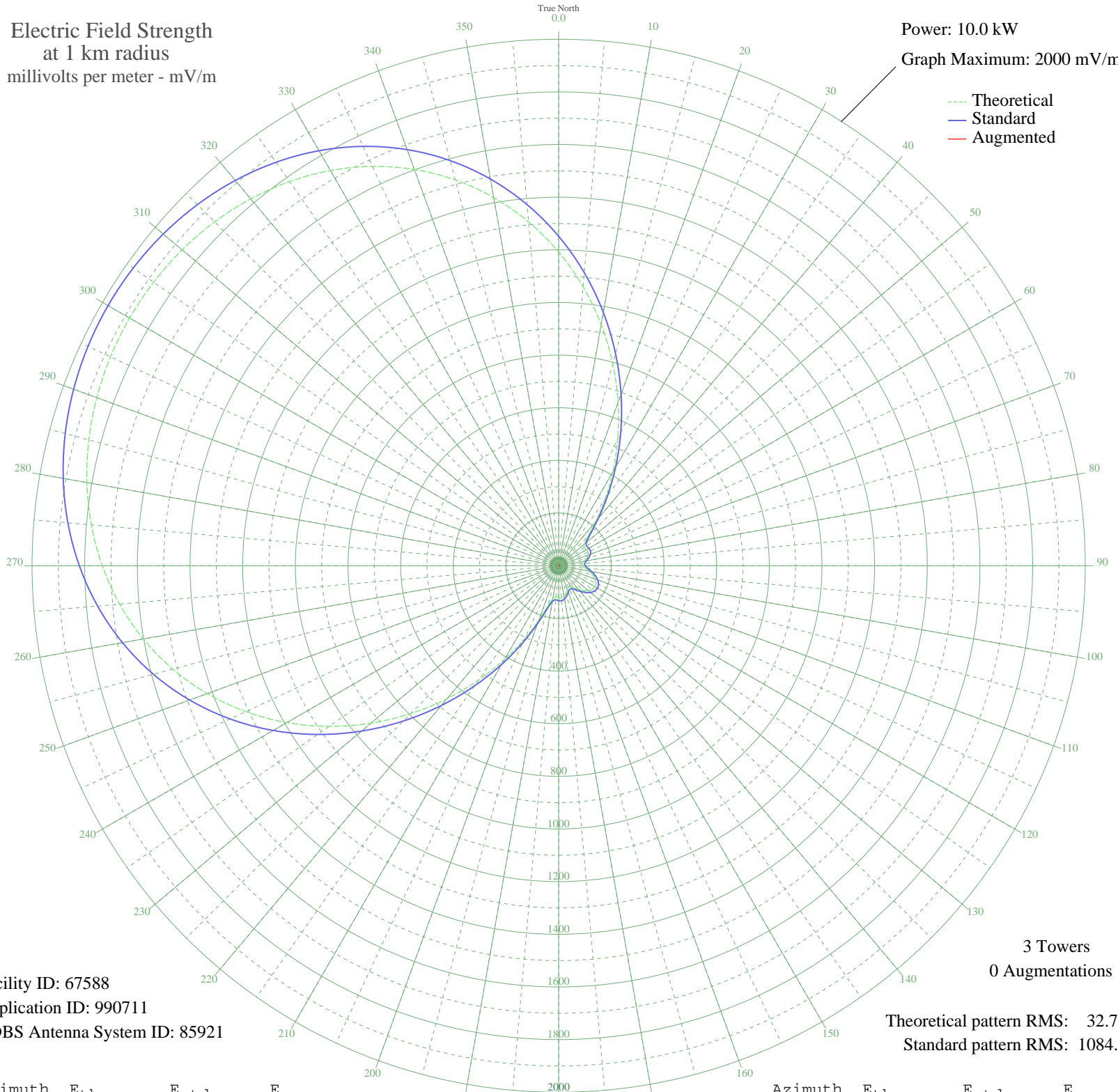


WFNR BLACKSBURG, VA BML-20040319AKH 710 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 67588
Application ID: 990711
CDBS Antenna System ID: 85921

3 Towers
0 Augmentations

Theoretical pattern RMS: 32.77
Standard pattern RMS: 1084.92

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1191.66	1251.68	
5	1063.72	1117.39	
10	930.04	977.10	
15	793.97	834.33	
20	659.31	693.07	
25	530.19	557.68	
30	410.88	432.70	
35	305.84	322.85	
40	219.98	233.35	
45	158.93	170.15	
50	127.14	137.56	
55	119.75	130.05	
60	122.15	132.49	
65	122.93	133.28	
70	118.06	128.33	
75	108.19	118.35	
80	96.77	106.90	
85	89.17	99.34	
90	90.35	100.51	
95	100.83	110.96	
100	116.63	126.88	
105	133.09	143.63	
110	146.85	157.73	
115	155.85	166.98	
120	158.97	170.18	
125	155.85	166.98	
130	146.85	157.73	
135	133.09	143.63	
140	116.63	126.88	
145	100.83	110.96	
150	90.35	100.51	
155	89.17	99.34	
160	96.77	106.90	
165	108.19	118.35	
170	118.06	128.33	
175	122.93	133.28	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	122.15	132.49	
185	119.75	130.05	
190	127.14	137.56	
195	158.93	170.15	
200	219.97	233.35	
205	305.84	322.85	
210	410.88	432.69	
215	530.18	557.68	
220	659.31	693.07	
225	793.97	834.33	
230	930.04	977.10	
235	1063.71	1117.39	
240	1191.66	1251.68	
245	1311.13	1377.09	
250	1420.08	1491.46	
255	1517.17	1593.37	
260	1601.72	1682.13	
265	1673.66	1757.65	
270	1733.39	1820.36	
275	1781.64	1871.02	
280	1819.32	1910.57	
285	1847.38	1940.04	
290	1866.72	1960.33	
295	1878.01	1972.19	
300	1881.73	1976.09	
305	1878.01	1972.19	
310	1866.72	1960.33	
315	1847.38	1940.04	
320	1819.32	1910.57	
325	1781.64	1871.02	
330	1733.39	1820.36	
335	1673.66	1757.65	
340	1601.72	1682.13	
345	1517.17	1593.37	
350	1420.08	1491.46	
355	1311.13	1377.09	

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