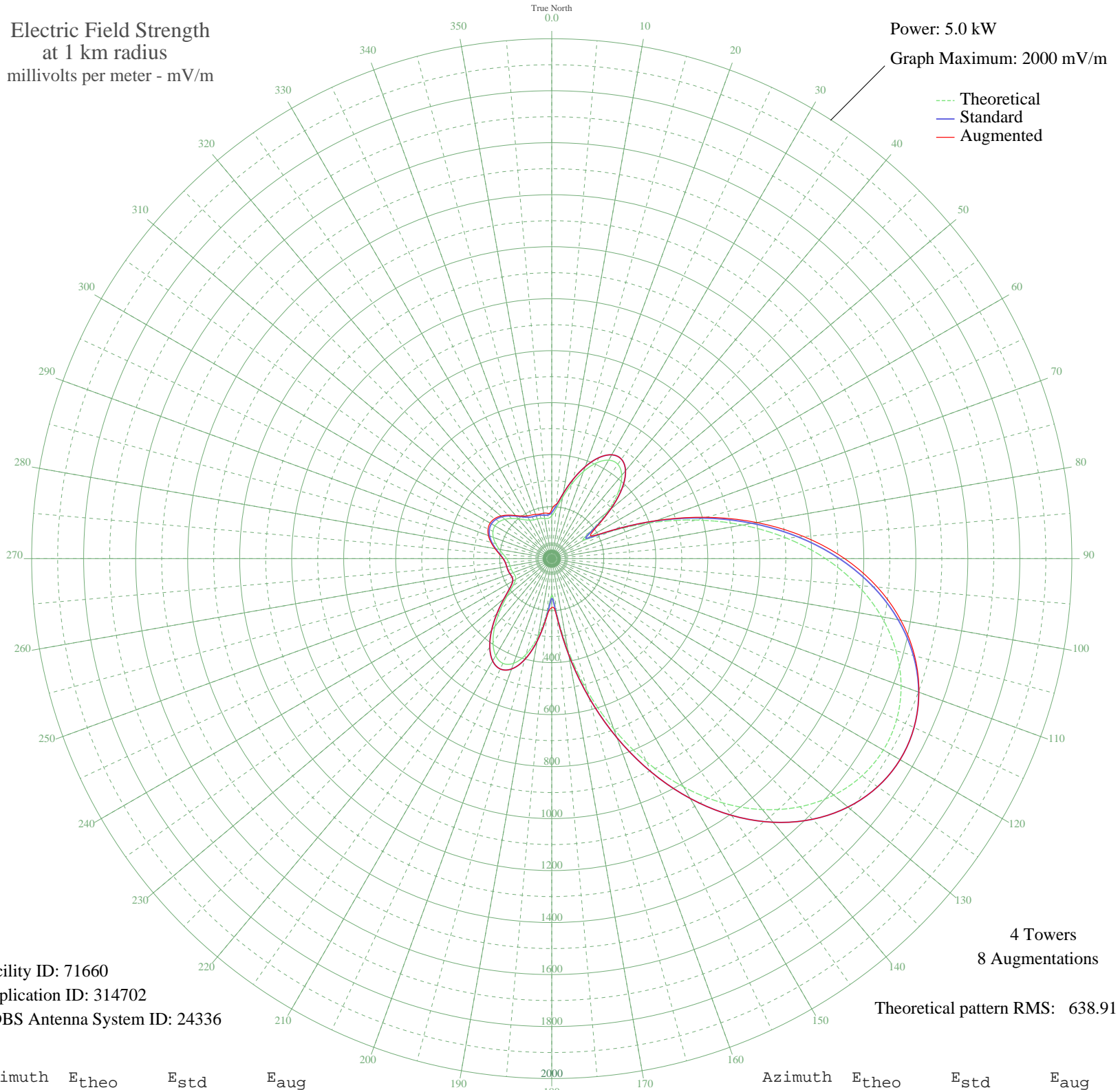


WCHS CHARLESTON, WV BL-- 580 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 71660
Application ID: 314702
CDBS Antenna System ID: 24336

4 Towers
8 Augmentations
Theoretical pattern RMS: 638.91

Azimuth	E _{theo}	E _{std}	E _{aug}
0	164.59	177.59	188.58
5	192.36	206.07	210.82
10	239.28	254.55	254.55
15	297.50	315.04	315.04
20	356.56	376.62	376.62
25	406.24	428.51	428.51
30	437.49	461.18	461.18
35	443.11	467.05	467.05
40	418.46	441.28	441.28
45	362.24	382.54	382.54
50	278.05	294.80	294.80
55	181.71	195.12	207.56
60	143.25	155.87	174.58
65	243.38	258.80	259.33
70	401.58	423.64	427.14
75	573.45	603.51	614.78
80	744.41	782.70	800.40
85	906.24	952.43	973.15
90	1053.19	1106.61	1126.54
95	1181.24	1240.98	1256.96
100	1287.66	1352.66	1362.98
105	1370.75	1439.87	1444.63
110	1429.54	1501.57	1502.56
115	1463.54	1537.26	1537.26
120	1472.55	1546.72	1546.72
125	1456.53	1529.90	1529.90
130	1415.56	1486.90	1486.90
135	1349.90	1417.99	1417.99
140	1260.16	1323.80	1323.80
145	1147.47	1205.54	1205.54
150	1013.80	1065.28	1065.28
155	862.21	906.25	906.25
160	697.17	733.17	733.17
165	524.97	552.73	552.73
170	354.96	374.94	374.94
175	205.82	219.95	223.63

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

Azimuth	E _{theo}	E _{std}	E _{aug}
180	139.96	152.54	188.40
185	207.75	221.94	225.59
190	303.92	321.73	321.73
195	381.07	402.21	402.21
200	428.56	451.84	451.84
205	444.44	468.45	468.45
210	431.05	454.45	454.45
215	393.83	415.53	415.53
220	340.55	359.91	359.91
225	280.66	297.51	297.51
230	224.58	239.32	239.32
235	182.46	195.90	195.90
240	160.47	173.38	173.38
245	155.52	168.34	168.34
250	158.09	170.96	170.96
255	161.05	173.97	173.97
260	162.87	175.83	175.83
265	165.93	178.96	178.96
270	173.51	186.72	187.13
275	187.00	200.56	202.00
280	204.77	218.86	221.59
285	223.37	238.08	242.01
290	239.17	254.43	259.32
295	249.32	264.96	270.45
300	252.14	267.88	273.59
305	247.17	262.73	268.26
310	235.21	250.33	255.30
315	218.30	232.83	236.85
320	199.54	213.47	216.48
325	182.67	196.11	200.02
330	170.80	183.94	190.04
335	164.74	177.74	185.07
340	162.38	175.33	181.31
345	160.36	173.28	177.70
350	157.13	169.98	177.64
355	155.72	168.54	175.11