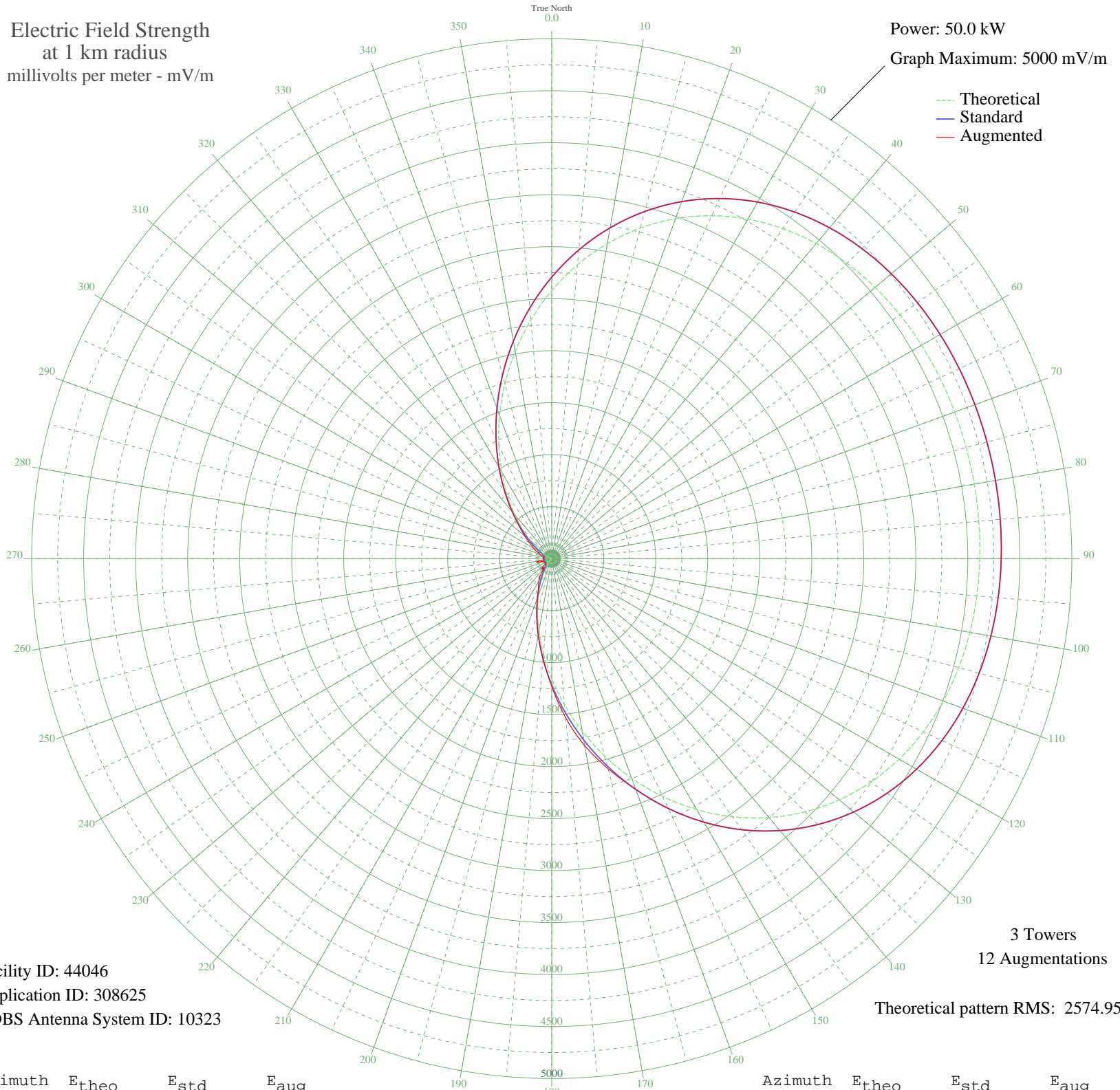


# WWVA WHEELING, WV BL-- 1170 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 44046  
Application ID: 308625  
CDBS Antenna System ID: 10323

3 Towers  
12 Augmentations  
Theoretical pattern RMS: 2574.95

Azimuth	Etheo	Estd	Eaug
0	2577.09	2706.96	2706.96
5	2836.59	2979.35	2979.35
10	3076.05	3230.71	3230.71
15	3291.15	3456.51	3456.51
20	3479.10	3653.81	3653.81
25	3638.68	3821.33	3821.33
30	3770.13	3959.33	3959.33
35	3874.96	4069.39	4069.39
40	3955.71	4154.16	4154.16
45	4015.57	4217.00	4217.00
50	4058.09	4261.64	4261.64
55	4086.88	4291.86	4291.86
60	4105.32	4311.23	4311.23
65	4116.36	4322.82	4322.82
70	4122.32	4329.07	4329.07
75	4124.78	4331.66	4331.66
80	4124.52	4331.38	4331.38
85	4121.45	4328.16	4328.16
90	4114.62	4320.99	4320.99
95	4102.31	4308.07	4308.07
100	4082.05	4286.80	4286.80
105	4050.80	4253.98	4253.98
110	4005.10	4206.01	4206.01
115	3941.34	4139.08	4139.08
120	3856.02	4049.50	4049.50
125	3746.03	3934.03	3934.03
130	3609.04	3790.22	3790.22
135	3443.77	3616.72	3616.72
140	3250.24	3413.56	3413.56
145	3029.99	3182.36	3182.36
150	2786.13	2926.38	2926.38
155	2523.26	2650.46	2650.46
160	2247.27	2360.80	2362.32
165	1965.00	2064.59	2090.81
170	1683.81	1769.56	1825.70
175	1411.05	1483.46	1535.62

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	1153.58	1213.53	1228.75
185	917.30	966.03	966.03
190	706.81	745.86	745.86
195	525.13	556.37	556.37
200	373.66	399.31	399.31
205	252.19	275.01	300.05
210	159.09	182.80	249.45
215	91.61	121.51	177.72
220	46.12	88.64	112.65
225	18.53	76.75	137.81
230	4.57	74.40	73.50
235	0.10	74.25	72.42
240	1.35	74.26	74.47
245	5.12	74.44	78.23
250	8.94	74.84	81.49
255	11.12	75.16	130.39
260	10.87	75.12	110.57
265	8.27	74.75	81.40
270	4.30	74.38	79.01
275	0.80	74.25	79.58
280	0.42	74.25	80.32
285	6.47	74.56	100.66
290	22.82	78.02	120.70
295	53.65	93.20	156.63
300	103.22	131.37	201.17
305	175.56	198.73	253.03
310	274.14	297.27	337.96
315	401.53	428.09	442.93
320	559.08	591.71	591.71
325	746.68	787.52	787.52
330	962.62	1013.48	1013.48
335	1203.55	1265.91	1265.91
340	1464.59	1539.61	1539.61
345	1739.61	1828.10	1828.10
350	2021.61	2123.99	2123.99
355	2303.20	2419.50	2419.50