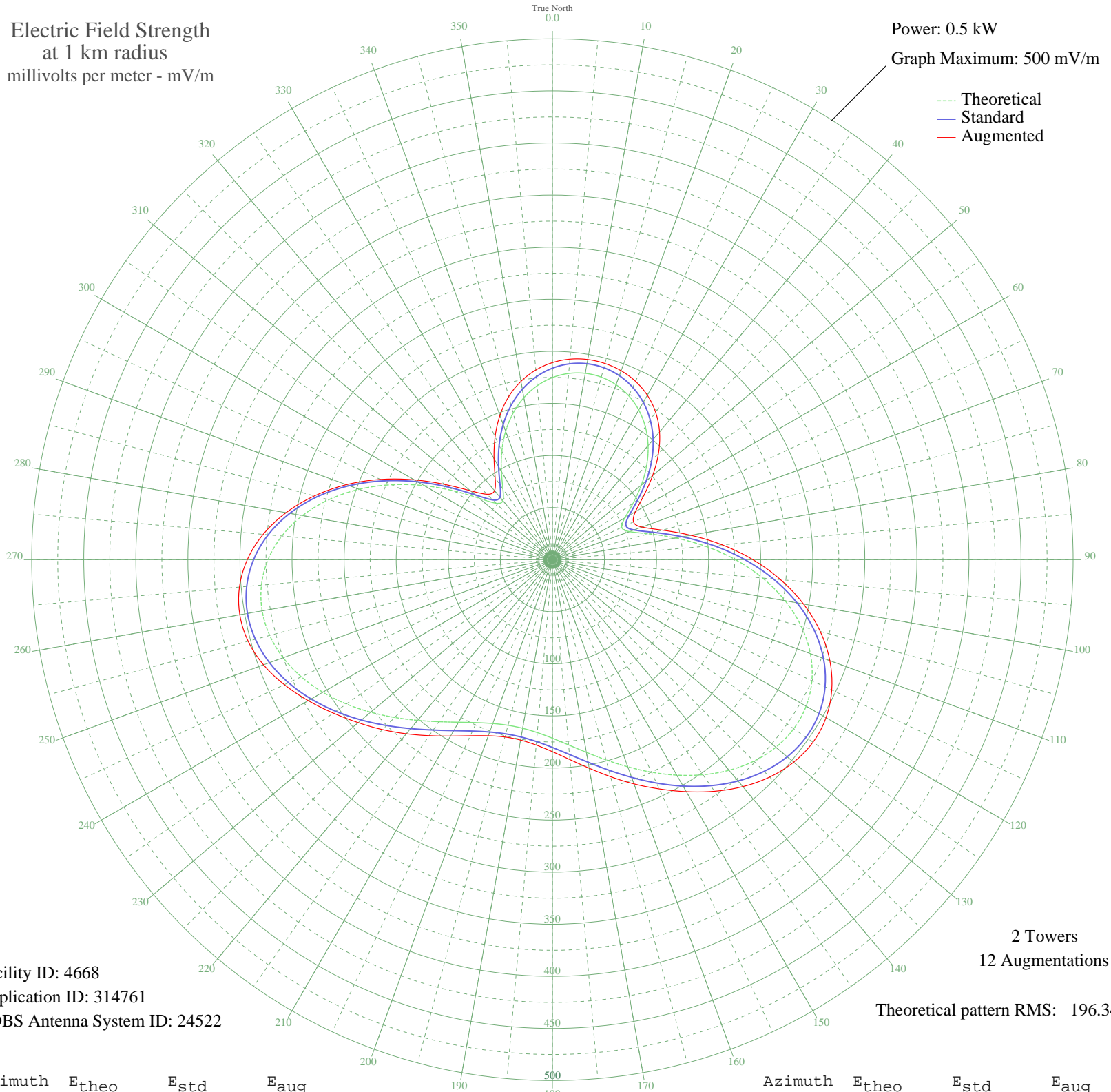


# WXVA WINCHESTER, VA BL-- 610 kHz

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 4668  
Application ID: 314761  
CDBS Antenna System ID: 24522

2 Towers  
12 Augmentations

Theoretical pattern RMS: 196.34

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	174.78	183.82	189.16
5	179.45	188.71	193.23
10	181.65	191.02	195.12
15	181.40	190.76	194.97
20	178.71	187.94	192.98
25	173.54	182.52	188.90
30	165.86	174.47	182.31
35	155.64	163.76	172.81
40	142.95	150.47	160.06
45	128.04	134.85	144.02
50	111.50	117.55	125.64
55	94.69	99.97	107.01
60	80.37	85.04	92.06
65	73.44	77.82	85.89
70	78.70	83.30	91.47
75	95.74	101.08	109.41
80	120.07	126.51	134.93
85	147.65	155.38	163.62
90	175.80	184.89	192.56
95	202.67	213.06	219.88
100	226.89	238.47	244.80
105	247.45	260.03	266.29
110	263.60	276.98	283.51
115	274.94	288.88	295.95
120	281.34	295.59	303.38
125	282.94	297.27	305.49
130	280.14	294.34	302.42
135	273.55	287.42	295.09
140	263.91	277.30	284.40
145	252.05	264.86	271.37
150	238.83	250.99	257.15
155	225.08	236.57	242.80
160	211.57	222.39	229.06
165	198.96	209.17	215.65
170	187.80	197.47	203.27
175	178.51	187.73	192.65

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	171.39	180.27	184.31
185	166.64	175.28	178.63
190	164.36	172.90	175.88
195	164.62	173.17	176.25
200	167.39	176.07	179.92
205	172.63	181.56	186.54
210	180.20	189.50	195.53
215	189.89	199.66	206.26
220	201.38	211.71	218.19
225	214.22	225.17	230.71
230	227.83	239.45	243.41
235	241.54	253.83	256.82
240	254.56	267.49	270.71
245	266.04	279.54	283.98
250	275.14	289.09	295.18
255	281.03	295.27	302.47
260	282.99	297.32	304.78
265	280.45	294.66	301.67
270	273.07	286.92	292.97
275	260.75	273.99	278.81
280	243.67	256.07	259.70
285	222.31	233.67	236.53
290	197.47	207.61	210.50
295	170.22	179.04	182.19
300	142.01	149.48	153.20
305	114.83	121.03	125.78
310	91.60	96.75	102.99
315	76.60	81.11	88.81
320	73.95	78.36	86.42
325	82.83	87.60	95.82
330	97.97	103.40	112.07
335	114.89	121.09	130.20
340	131.18	138.14	147.33
345	145.68	153.32	162.08
350	157.89	166.11	173.79
355	167.60	176.29	182.75

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