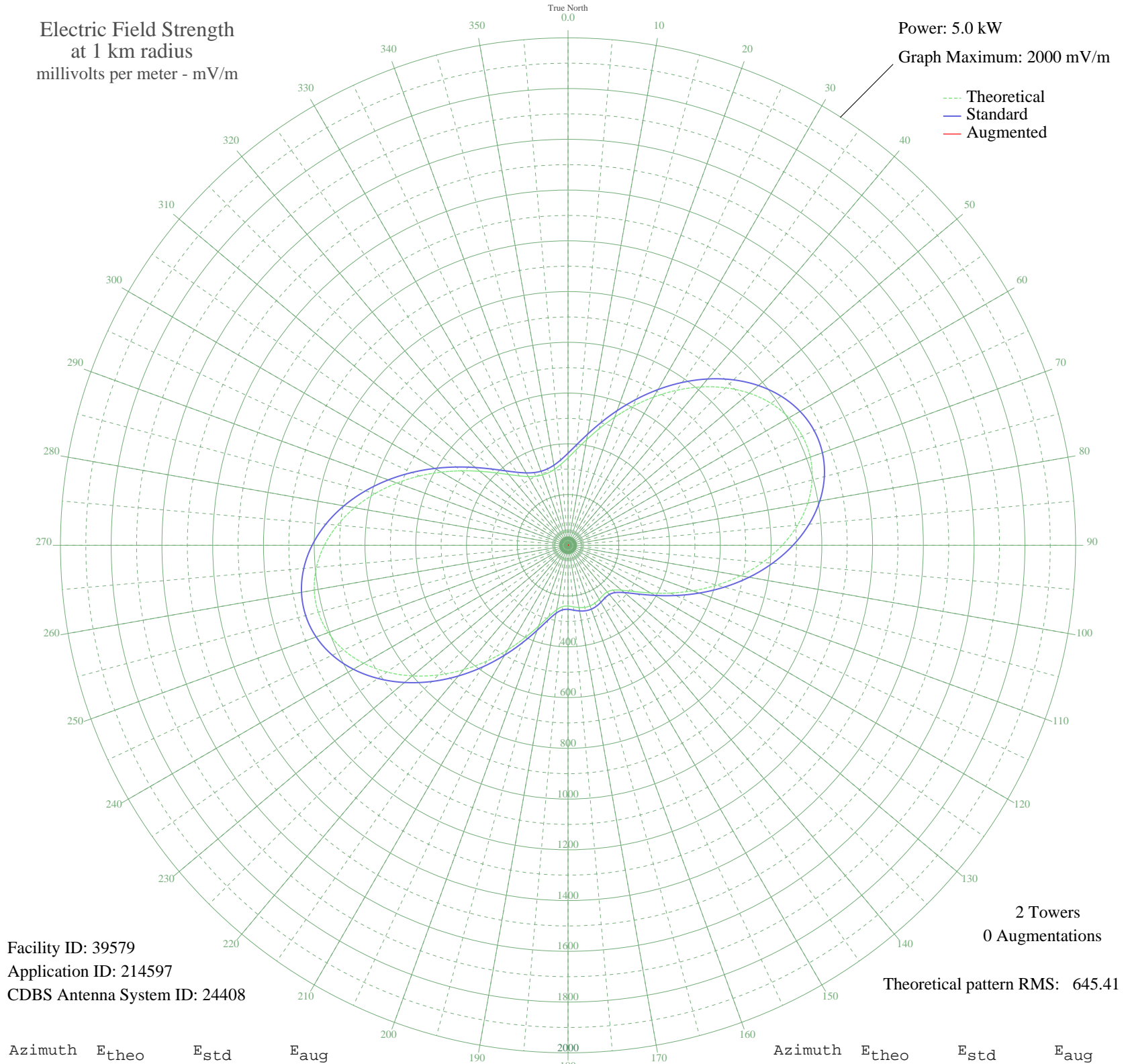


WLVA LYNCHBURG, VA BL-19951002AD 590 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 39579
Application ID: 214597
CDBS Antenna System ID: 24408

2 Towers
0 Augmentations
Theoretical pattern RMS: 645.41

Azimuth	E _{theo}	E _{std}	E _{aug}
0	344.92	362.93	
5	379.03	398.68	
10	422.92	444.68	
15	476.03	500.38	
20	537.06	564.40	
25	604.05	634.69	
30	674.57	708.68	
35	745.78	783.42	
40	814.63	855.68	
45	877.94	922.14	
50	932.63	979.54	
55	975.84	1024.90	
60	1005.15	1055.67	
65	1018.78	1069.97	
70	1015.65	1066.69	
75	995.54	1045.58	
80	959.11	1007.34	
85	907.83	953.51	
90	843.90	886.40	
95	770.13	808.98	
100	689.78	724.64	
105	606.37	637.12	
110	523.60	550.29	
115	445.30	468.15	
120	375.31	394.78	
125	317.51	334.21	
130	275.20	289.91	
135	249.91	263.46	
140	239.91	253.00	
145	240.39	253.50	
150	245.66	259.01	
155	251.17	264.77	
160	254.12	267.86	
165	253.35	267.05	
170	249.15	262.66	
175	243.31	256.55	

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.

Azimuth	E _{theo}	E _{std}	E _{aug}
180	239.31	252.37	
185	242.34	255.53	
190	258.01	271.93	
195	290.10	305.51	
200	338.93	356.65	
205	402.06	422.81	
210	475.84	500.18	
215	556.39	584.68	
220	639.86	672.26	
225	722.49	758.97	
230	800.62	840.98	
235	870.82	914.66	
240	930.00	976.78	
245	975.57	1024.61	
250	1005.60	1056.14	
255	1018.94	1070.15	
260	1015.30	1066.32	
265	995.23	1045.25	
270	960.10	1008.38	
275	911.98	957.87	
280	853.48	896.46	
285	787.57	827.29	
290	717.40	753.64	
295	646.11	678.82	
300	576.69	605.98	
305	511.81	537.91	
310	453.75	477.01	
315	404.21	425.07	
320	364.21	383.14	
325	333.99	351.47	
330	313.03	329.52	
335	300.36	316.25	
340	294.96	310.60	
345	296.30	312.00	
350	304.50	320.59	
355	320.36	337.20	

20 Nov 2009

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Federal Communications Commission