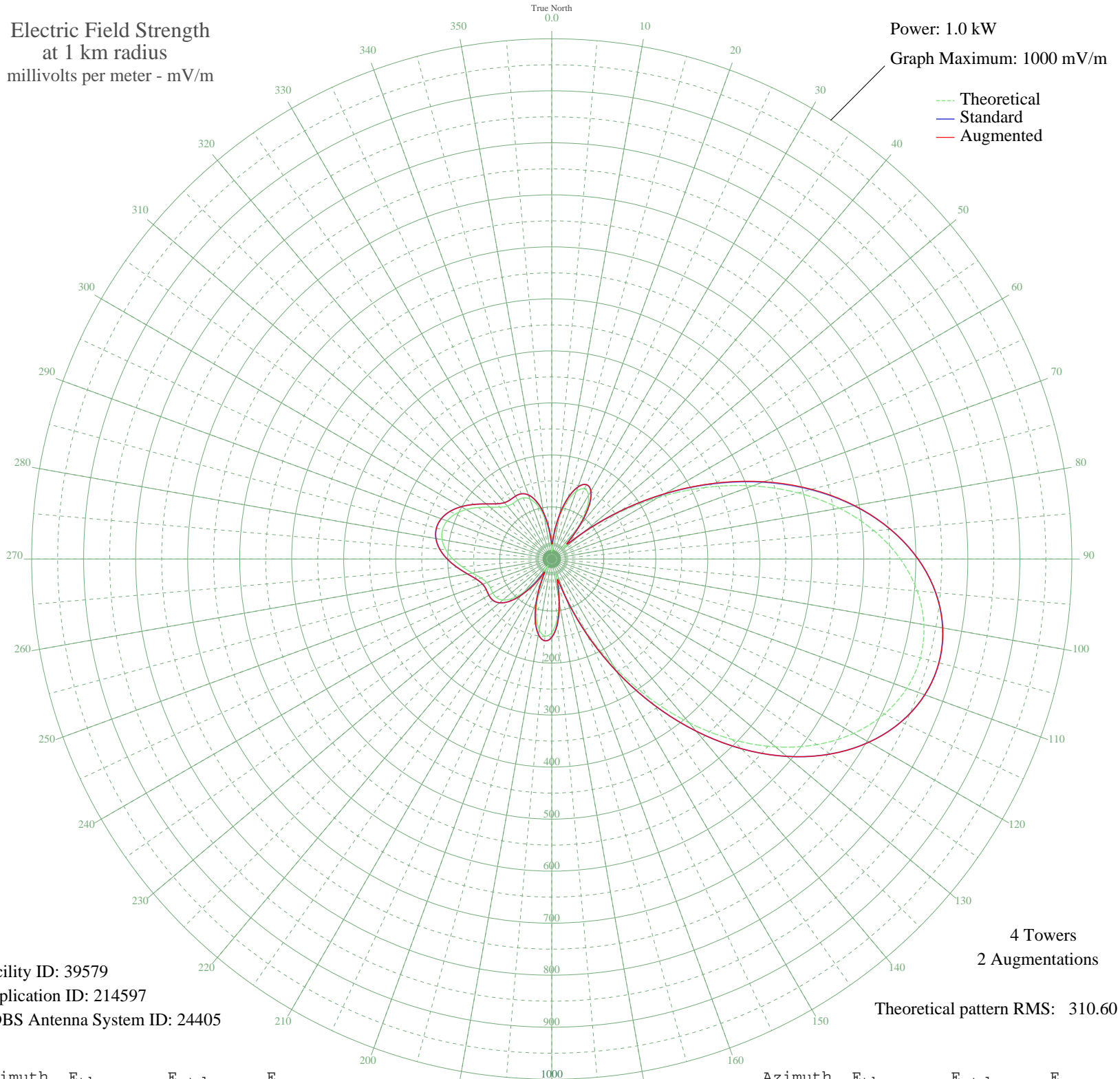


# WLVA LYNCHBURG, VA BL-19951002AD 590 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 39579  
Application ID: 214597  
CDBS Antenna System ID: 24405

4 Towers  
2 Augmentations  
Theoretical pattern RMS: 310.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	15.52	29.20	29.20
5	38.49	47.12	47.12
10	78.85	86.26	86.26
15	113.92	122.04	122.04
20	138.42	147.35	147.35
25	148.45	157.74	157.74
30	141.43	150.47	150.47
35	116.49	124.69	124.69
40	75.18	82.57	82.57
45	31.92	41.35	41.35
50	71.43	78.81	78.81
55	150.19	159.54	160.26
60	236.76	249.78	251.76
65	325.04	342.15	344.80
70	410.80	432.01	434.52
75	490.61	515.71	517.47
80	561.75	590.33	591.17
85	622.15	653.70	653.88
90	670.34	704.27	704.27
95	705.34	741.00	741.00
100	726.55	763.26	763.26
105	733.66	770.72	770.72
110	726.55	763.26	763.26
115	705.34	741.00	741.00
120	670.34	704.27	704.27
125	622.15	653.70	653.70
130	561.75	590.33	590.33
135	490.61	515.71	515.71
140	410.80	432.02	432.02
145	325.04	342.15	342.15
150	236.76	249.78	249.78
155	150.19	159.55	159.55
160	71.43	78.82	78.82
165	31.92	41.35	41.35
170	75.18	82.57	82.57
175	116.49	124.69	124.69

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	141.43	150.47	150.47
185	148.45	157.74	157.74
190	138.42	147.35	147.35
195	113.92	122.04	122.04
200	78.85	86.26	86.26
205	38.49	47.12	47.12
210	15.52	29.20	30.50
215	49.41	57.25	63.35
220	82.37	89.82	89.82
225	107.13	115.06	115.06
230	122.58	130.97	130.97
235	129.60	138.22	138.22
240	130.83	139.49	139.49
245	130.35	138.99	138.99
250	132.70	141.42	141.42
255	140.95	149.97	149.97
260	155.10	164.65	164.65
265	172.57	182.81	182.81
270	190.03	200.99	200.99
275	204.55	216.14	216.14
280	214.07	226.08	226.08
285	217.38	229.53	229.53
290	214.07	226.08	226.08
295	204.55	216.14	216.14
300	190.03	200.99	200.99
305	172.57	182.81	182.81
310	155.10	164.65	164.65
315	140.95	149.97	149.97
320	132.70	141.42	141.42
325	130.35	138.99	138.99
330	130.83	139.49	139.49
335	129.60	138.22	138.22
340	122.58	130.97	130.97
345	107.13	115.06	115.06
350	82.37	89.82	89.82
355	49.41	57.25	57.25