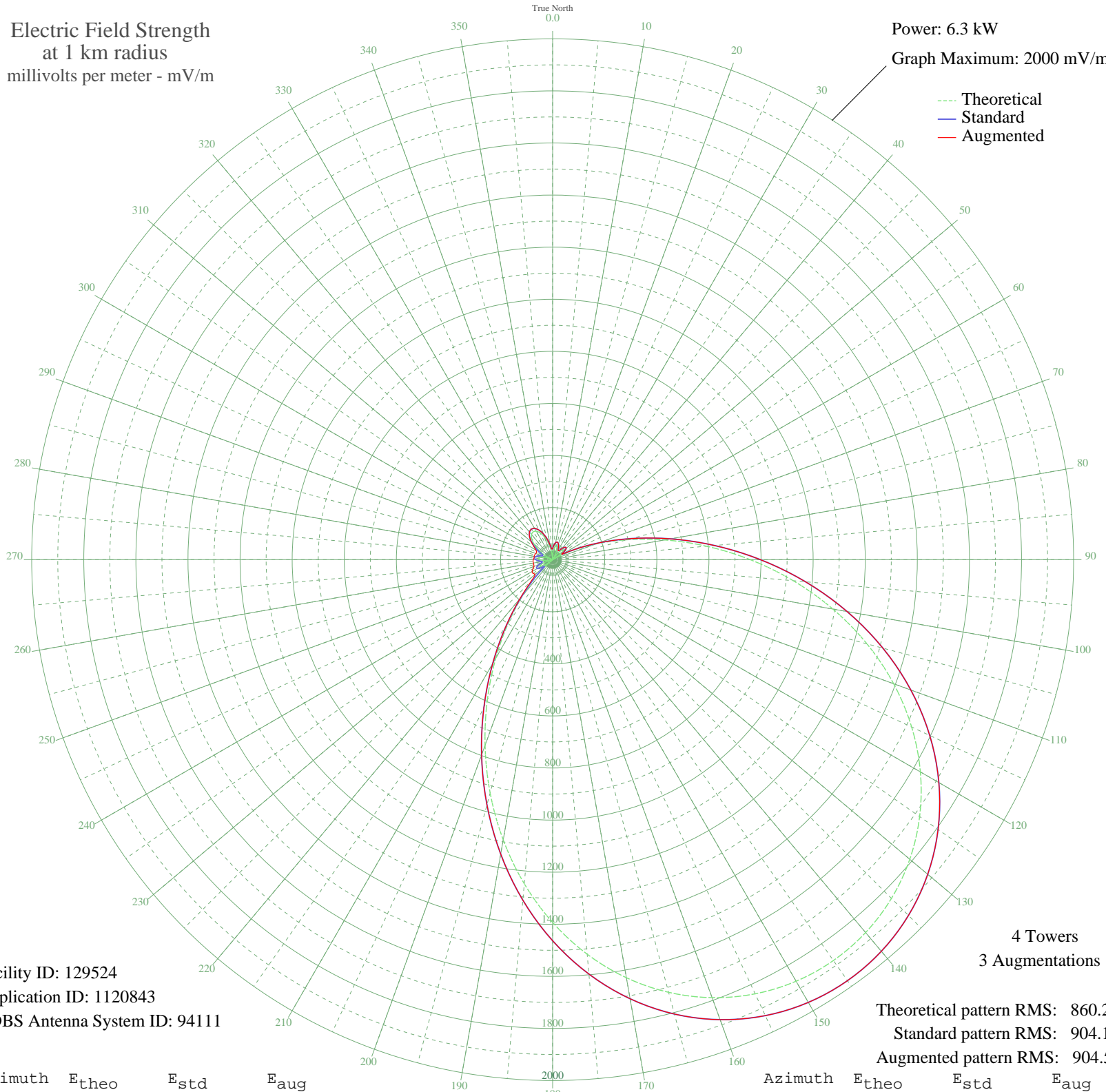


# WTOX GLEN ALLEN, VA BL-20040623ACO 1480 kHz

Daytime

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

Power: 6.3 kW  
Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 129524  
Application ID: 1120843  
CDBS Antenna System ID: 94111

4 Towers  
3 Augmentations

Theoretical pattern RMS: 860.28  
Standard pattern RMS: 904.17  
Augmented pattern RMS: 904.58

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	16.01	43.39	43.39
5	37.18	55.89	55.89
10	50.53	66.45	66.45
15	54.38	69.71	69.71
20	48.17	64.48	64.48
25	32.76	52.75	52.75
30	10.54	41.50	41.50
35	14.57	42.82	42.82
40	37.41	56.06	56.06
45	52.08	67.75	67.75
50	52.52	68.12	68.12
55	33.28	53.11	53.11
60	9.82	41.30	41.30
65	79.15	92.23	92.23
70	174.96	188.01	188.01
75	295.33	312.66	312.66
80	436.43	459.99	459.99
85	592.95	623.89	623.89
90	758.73	797.67	797.67
95	927.34	974.53	974.53
100	1092.67	1148.00	1148.00
105	1249.38	1312.46	1312.46
110	1393.14	1463.34	1463.34
115	1520.75	1597.29	1597.29
120	1630.09	1712.06	1712.06
125	1719.93	1806.37	1806.37
130	1789.75	1879.66	1879.66
135	1839.46	1931.85	1931.85
140	1869.19	1963.06	1963.06
145	1879.08	1973.43	1973.43
150	1869.19	1963.06	1963.06
155	1839.46	1931.85	1931.85
160	1789.75	1879.66	1879.66
165	1719.93	1806.37	1806.37
170	1630.09	1712.06	1712.06
175	1520.75	1597.29	1597.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1393.14	1463.34	1463.34
185	1249.38	1312.46	1312.46
190	1092.67	1148.00	1148.00
195	927.34	974.53	974.53
200	758.73	797.67	797.67
205	592.95	623.89	623.89
210	436.43	459.99	459.99
215	295.33	312.66	312.66
220	174.96	188.01	194.83
225	79.15	92.23	115.87
230	9.82	41.30	88.68
235	33.28	53.11	91.79
240	52.52	68.12	91.22
245	52.08	67.75	83.41
250	37.41	56.06	76.13
255	14.57	42.82	74.91
260	10.54	41.50	74.96
265	32.76	52.75	75.41
270	48.17	64.48	74.42
275	54.38	69.71	71.77
280	50.53	66.45	72.37
285	37.18	55.89	71.38
290	16.01	43.39	68.77
295	10.52	41.49	68.26
300	39.54	57.65	74.25
305	68.11	81.94	88.06
310	93.50	106.01	106.78
315	113.39	125.60	125.60
320	126.05	138.26	138.26
325	130.38	142.63	142.63
330	126.05	138.26	138.26
335	113.39	125.60	125.60
340	93.50	106.01	106.01
345	68.11	81.94	81.94
350	39.54	57.65	57.65
355	10.52	41.49	41.49

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