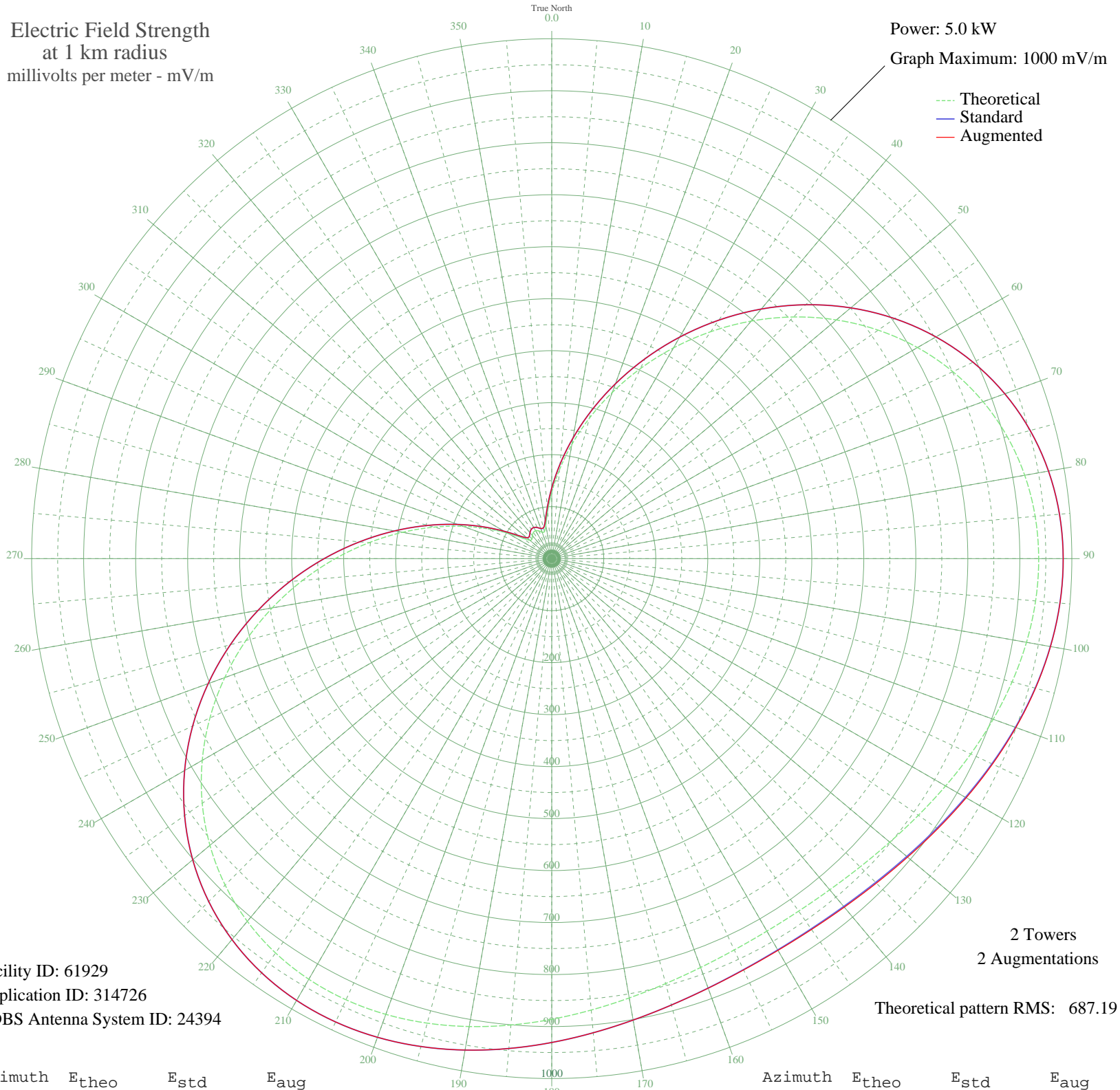


# WGTM WILSON, NC BL-- 590 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 61929  
Application ID: 314726  
CDBS Antenna System ID: 24394

2 Towers  
2 Augmentations  
Theoretical pattern RMS: 687.19

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	127.37	135.78	135.78
5	172.00	182.12	182.12
10	223.19	235.53	235.53
15	279.62	294.54	294.54
20	340.07	357.84	357.84
25	403.30	424.11	424.11
30	468.02	491.98	491.98
35	532.86	559.99	559.99
40	596.43	626.69	626.69
45	657.37	690.63	690.63
50	714.36	750.44	750.44
55	766.24	804.90	804.90
60	812.04	852.96	852.96
65	850.99	893.84	893.84
70	882.61	927.04	927.04
75	906.72	952.35	952.35
80	923.41	969.87	969.87
85	933.06	979.99	979.99
90	936.27	983.36	983.36
95	933.88	980.85	980.92
100	926.86	973.48	973.76
105	916.28	962.38	962.97
110	903.28	948.74	949.70
115	888.98	933.72	935.07
120	874.43	918.45	920.15
125	860.62	903.96	905.90
130	848.41	891.14	893.19
135	838.51	880.75	882.74
140	831.48	873.37	875.15
145	827.68	869.39	870.84
150	827.34	869.02	870.07
155	830.45	872.29	872.93
160	836.86	879.02	879.32
165	846.23	888.85	888.93
170	858.03	901.24	901.24
175	871.58	915.46	915.46

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	886.05	930.65	930.65
185	900.49	945.81	945.81
190	913.84	959.82	959.82
195	924.99	971.52	971.52
200	932.81	979.73	979.73
205	936.21	983.30	983.30
210	934.19	981.18	981.18
215	925.89	972.47	972.47
220	910.65	956.47	956.47
225	888.04	932.73	932.73
230	857.91	901.11	901.11
235	820.39	861.73	861.73
240	775.92	815.05	815.05
245	725.18	761.80	761.80
250	669.12	702.97	702.97
255	608.87	639.75	639.75
260	545.72	573.49	573.49
265	481.02	505.62	505.62
270	416.17	437.61	437.61
275	352.53	370.90	370.90
280	291.43	306.90	306.90
285	234.10	246.92	246.92
290	181.76	192.29	192.29
295	135.70	144.40	144.40
300	97.51	105.04	105.04
305	69.63	76.79	76.79
310	55.16	62.49	62.49
315	53.53	60.91	60.91
320	57.81	65.09	65.09
325	61.54	68.75	68.75
330	61.92	69.13	69.13
335	58.74	65.99	65.99
340	54.18	61.54	61.96
345	53.96	61.33	61.55
350	65.59	72.76	72.76
355	91.01	98.40	98.40

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.

---

06 Nov 2009

---

Prepared by Audio Division, Media Bureau  
Federal Communications Commission