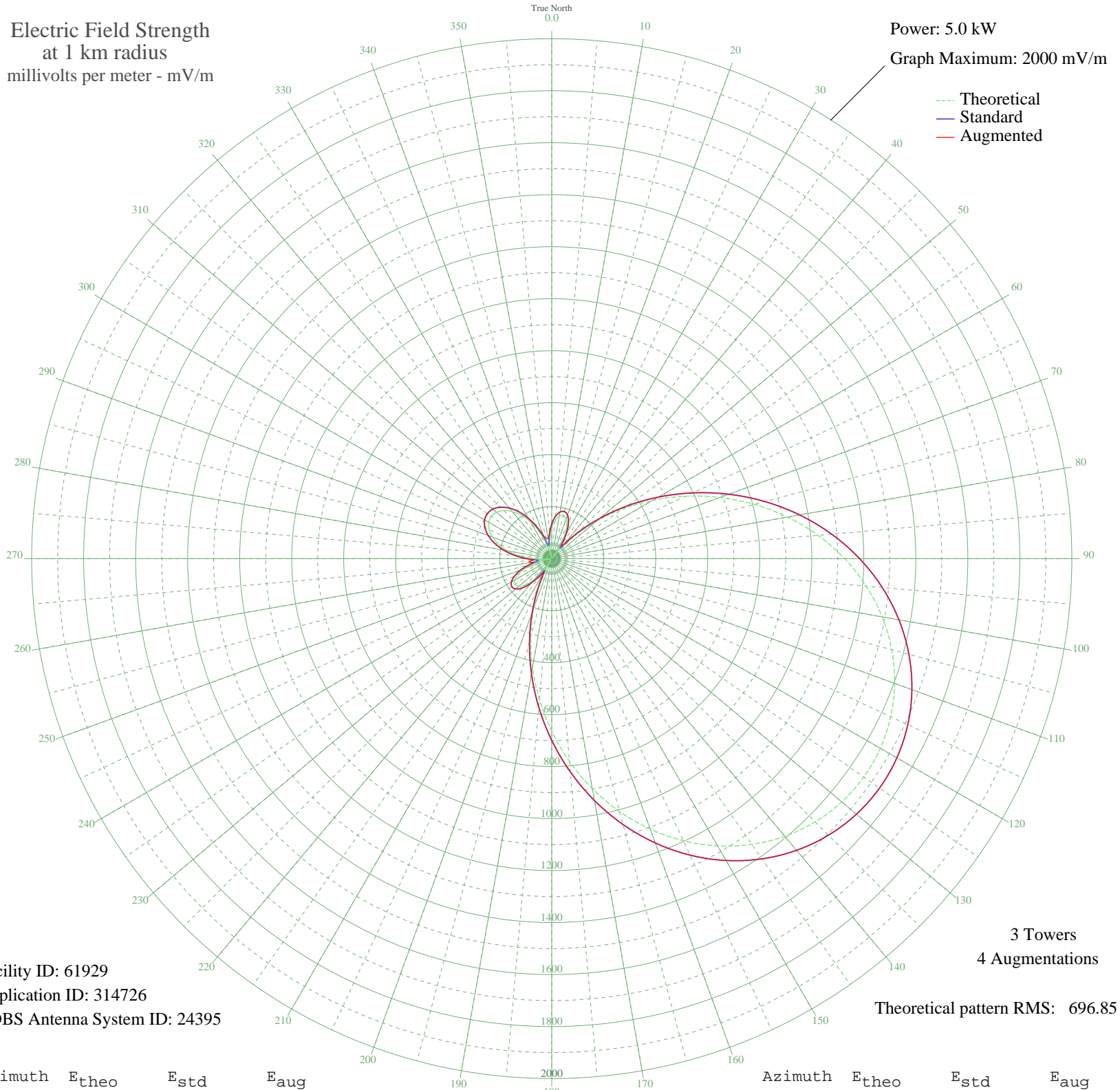


# WGTM WILSON, NC BL-- 590 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 61929  
Application ID: 314726  
CDBS Antenna System ID: 24395

3 Towers  
4 Augmentations

Theoretical pattern RMS: 696.85

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	116.91	133.16	133.16
5	147.15	162.89	162.89
10	166.07	181.85	181.85
15	171.64	187.47	187.47
20	162.25	178.00	178.00
25	136.83	152.66	152.66
30	94.93	112.24	112.24
35	36.77	64.44	71.39
40	36.81	64.47	66.34
45	124.31	140.35	140.35
50	223.72	240.51	240.51
55	332.62	353.04	353.04
60	448.25	473.48	473.48
65	567.72	598.34	598.34
70	688.14	724.38	724.38
75	806.67	848.57	848.57
80	920.72	968.13	968.13
85	1027.94	1080.57	1080.57
90	1126.33	1183.78	1183.78
95	1214.21	1275.97	1275.97
100	1290.24	1355.73	1355.73
105	1353.36	1421.97	1421.97
110	1402.82	1473.86	1473.86
115	1438.06	1510.84	1510.84
120	1458.74	1532.55	1532.55
125	1464.66	1538.76	1538.76
130	1455.78	1529.44	1529.44
135	1432.17	1504.66	1504.66
140	1394.05	1464.66	1464.66
145	1341.81	1409.84	1409.84
150	1276.03	1340.83	1340.83
155	1197.55	1258.48	1258.48
160	1107.45	1163.97	1163.97
165	1007.15	1058.76	1058.76
170	898.38	944.71	944.71
175	783.24	824.02	824.02

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	664.12	699.23	699.23
185	543.66	573.17	573.17
190	424.72	448.93	448.93
195	310.21	329.78	329.78
200	203.00	219.31	219.31
205	105.78	122.47	122.47
210	20.92	56.08	58.46
215	49.67	73.36	89.23
220	104.63	121.37	121.37
225	143.23	158.99	158.99
230	165.39	181.16	181.16
235	171.68	187.50	187.50
240	163.30	179.06	179.06
245	141.93	157.71	157.71
250	109.71	126.22	126.22
255	69.05	88.98	88.98
260	22.51	56.76	81.24
265	27.26	59.00	72.56
270	77.72	96.55	96.55
275	126.46	142.46	142.46
280	171.33	187.15	187.15
285	210.45	226.92	226.92
290	242.26	259.56	259.56
295	265.55	283.56	283.56
300	279.45	297.92	297.92
305	283.46	302.08	302.08
310	277.45	295.85	295.85
315	261.62	279.50	279.50
320	236.55	253.68	253.68
325	203.17	219.48	219.48
330	162.76	178.52	178.52
335	116.96	133.21	133.21
340	67.69	87.83	96.21
345	17.17	54.66	80.69
350	32.16	61.67	79.68
355	77.73	96.56	98.03