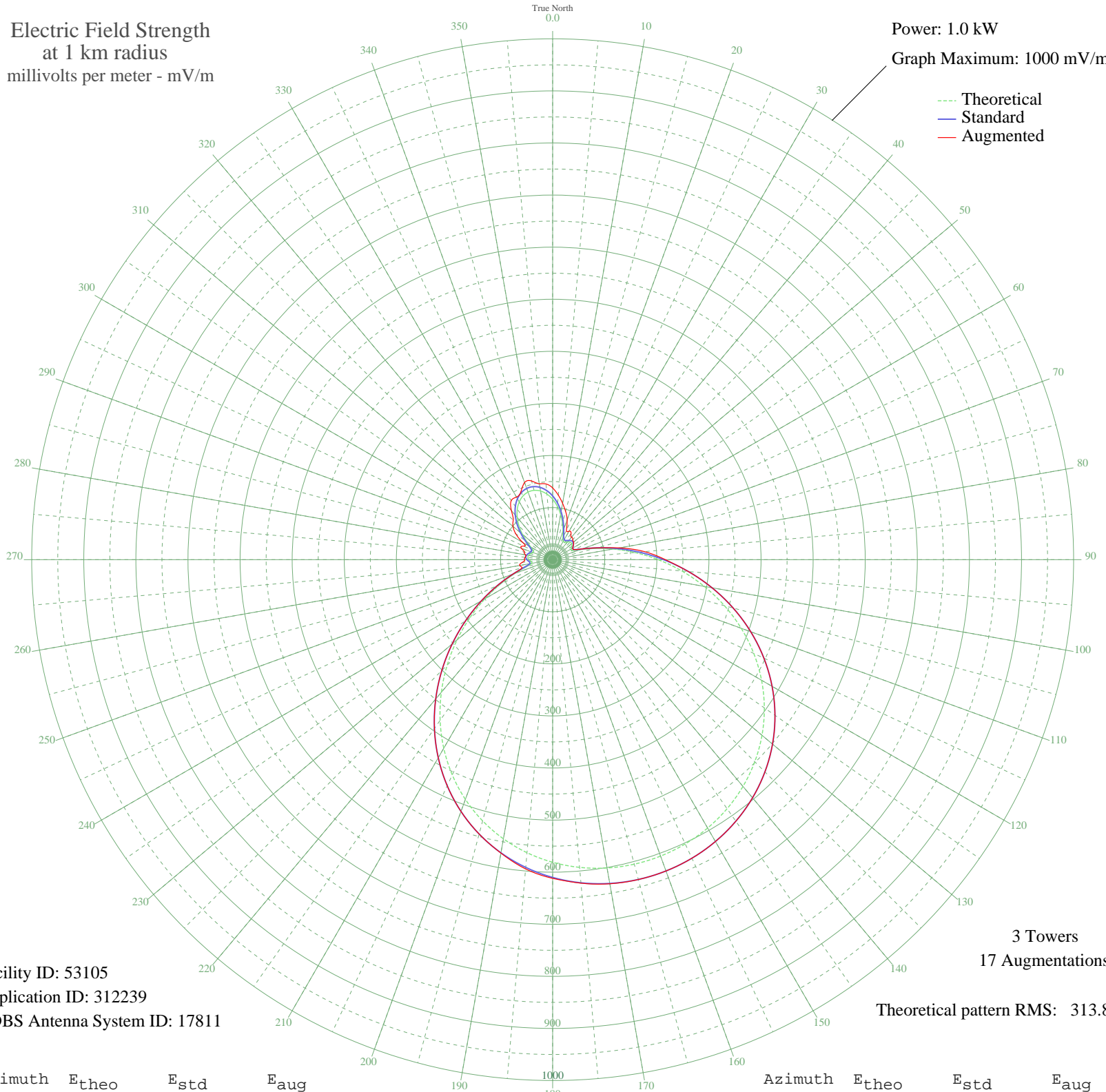


# WTIK DURHAM, NC BL-- 1310 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 53105  
Application ID: 312239  
CDBS Antenna System ID: 17811

3 Towers  
17 Augmentations  
Theoretical pattern RMS: 313.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	115.98	122.39	137.73
5	102.98	108.81	124.36
10	88.17	93.38	109.84
15	72.65	77.25	95.90
20	57.97	62.08	81.28
25	46.41	50.23	62.50
30	40.54	44.28	63.12
35	40.88	44.62	61.59
40	44.41	48.20	56.33
45	47.43	51.27	54.61
50	47.70	51.54	52.63
55	44.75	48.54	48.59
60	40.67	44.41	44.41
65	42.01	45.76	45.76
70	56.16	60.21	60.21
75	82.64	87.62	87.62
80	117.60	124.08	129.91
85	158.25	166.61	177.03
90	202.56	213.04	216.49
95	248.85	261.58	261.58
100	295.58	310.60	310.60
105	341.41	358.69	358.69
110	385.18	404.62	404.62
115	425.96	447.43	447.43
120	463.06	486.37	486.37
125	496.02	520.96	520.96
130	524.58	550.95	550.95
135	548.68	576.24	576.24
140	568.35	596.89	596.89
145	583.72	613.03	613.03
150	594.97	624.83	624.83
155	602.23	632.46	632.46
160	605.65	636.05	636.05
165	605.27	635.65	635.78
170	601.09	631.26	631.87
175	593.04	622.81	623.50

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.

04 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	580.99	610.16	611.86
185	564.76	593.13	596.06
190	544.22	571.56	572.02
195	519.23	545.33	545.33
200	489.77	514.41	514.41
205	455.96	478.91	478.91
210	418.08	439.15	439.15
215	376.64	395.66	395.66
220	332.38	349.21	349.21
225	286.27	300.83	300.83
230	239.51	251.78	251.78
235	193.49	203.53	203.53
240	149.77	157.73	157.73
245	110.08	116.23	116.23
250	76.56	81.30	81.30
255	52.22	56.17	60.89
260	40.86	44.60	64.29
265	41.34	45.08	58.21
270	45.55	49.35	53.91
275	47.91	51.76	52.74
280	47.00	50.83	52.72
285	43.64	47.42	56.33
290	40.43	44.16	64.05
295	41.18	44.92	61.69
300	48.34	52.20	67.00
305	60.74	64.93	86.30
310	75.74	80.46	99.34
315	91.23	96.56	106.93
320	105.75	111.71	123.23
325	118.30	124.81	138.56
330	128.17	135.13	138.73
335	134.87	142.14	144.04
340	138.11	145.53	157.57
345	137.75	145.15	156.40
350	133.80	141.02	147.77
355	126.43	133.31	145.85