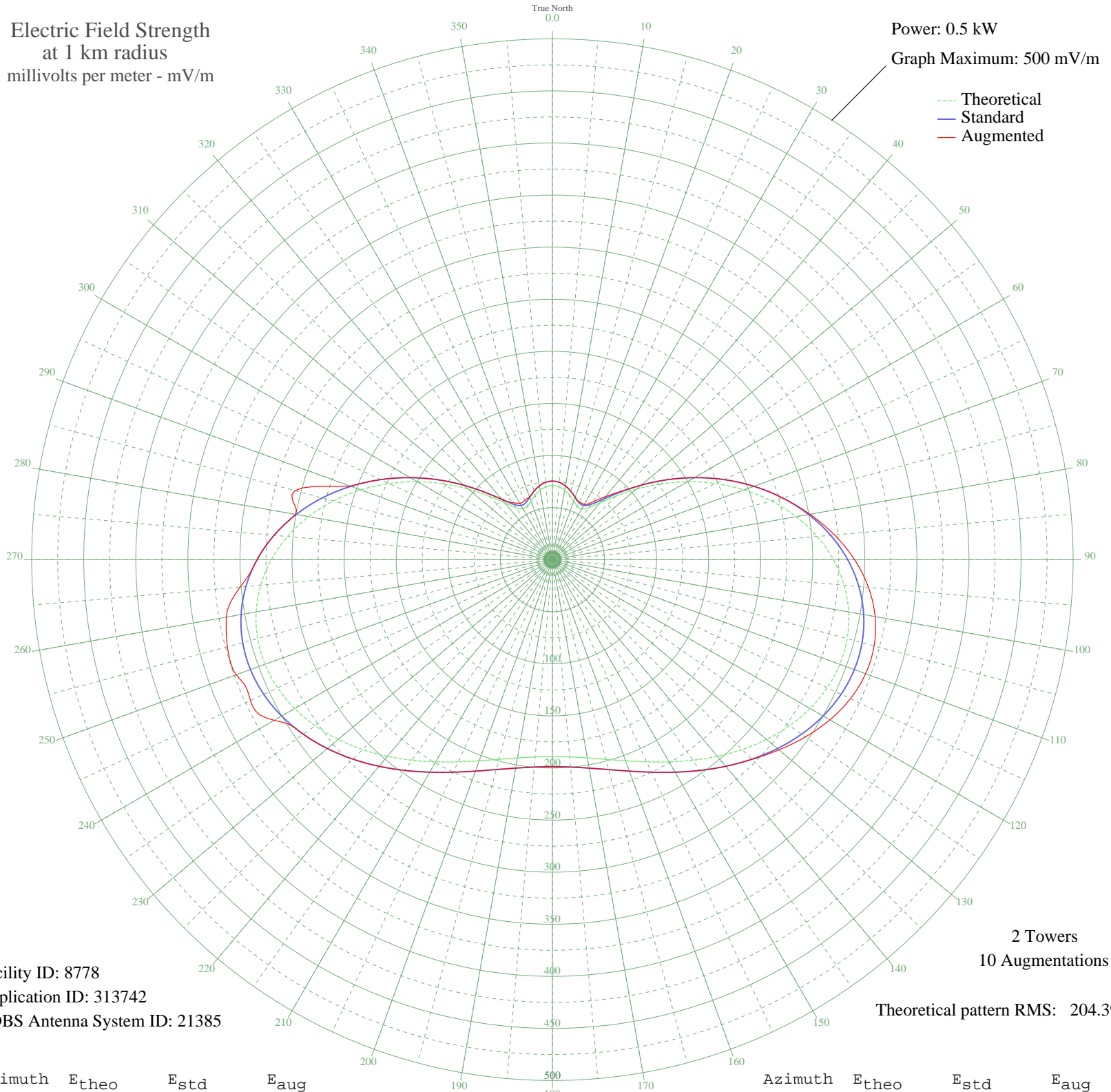


# WVOT WILSON, NC BL-- 1420 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 8778  
Application ID: 313742  
CDBS Antenna System ID: 21385

2 Towers  
10 Augmentations

Theoretical pattern RMS: 204.39

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	71.12	75.41	75.48
5	70.25	74.51	74.57
10	67.76	71.92	71.95
15	64.04	68.06	68.06
20	59.87	63.73	63.73
25	56.63	60.39	60.89
30	56.35	60.09	61.38
35	60.98	64.88	67.65
40	71.26	75.56	78.85
45	86.50	91.43	92.63
50	105.41	111.18	111.18
55	126.80	133.55	133.55
60	149.60	157.43	157.43
65	172.91	181.86	181.86
70	195.87	205.93	205.93
75	217.72	228.84	228.88
80	237.73	249.84	251.10
85	255.29	268.26	271.95
90	269.88	283.57	290.14
95	281.15	295.40	304.64
100	288.88	303.50	314.67
105	293.01	307.84	319.82
110	293.67	308.53	320.07
115	291.11	305.84	315.75
120	285.71	300.18	307.60
125	277.98	292.07	296.61
130	268.46	282.08	284.03
135	257.74	270.83	271.13
140	246.40	258.94	258.94
145	235.03	247.00	247.00
150	224.12	235.57	235.57
155	214.15	225.10	225.10
160	205.49	216.02	216.02
165	198.45	208.64	208.64
170	193.26	203.20	203.20
175	190.09	199.87	199.87

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	189.02	198.75	198.75
185	190.09	199.87	199.87
190	193.26	203.20	203.20
195	198.45	208.64	208.64
200	205.49	216.02	216.02
205	214.15	225.10	225.10
210	224.12	235.57	235.57
215	235.03	247.00	247.00
220	246.40	258.94	258.94
225	257.74	270.83	270.83
230	268.46	282.08	282.08
235	277.98	292.07	292.07
240	285.71	300.18	308.40
245	291.11	305.84	319.91
250	293.67	308.53	323.17
255	293.01	307.84	323.09
260	288.88	303.50	317.92
265	281.15	295.40	300.85
270	269.88	283.57	283.57
275	255.29	268.26	268.26
280	237.73	249.84	250.37
285	217.72	228.84	255.89
290	195.87	205.93	206.58
295	172.91	181.86	181.86
300	149.60	157.43	157.43
305	126.80	133.55	133.55
310	105.41	111.18	111.18
315	86.50	91.43	91.43
320	71.26	75.56	75.56
325	60.98	64.88	66.76
330	56.35	60.09	62.55
335	56.63	60.39	62.76
340	59.87	63.73	64.16
345	64.04	68.06	68.06
350	67.76	71.92	71.95
355	70.25	74.51	74.57