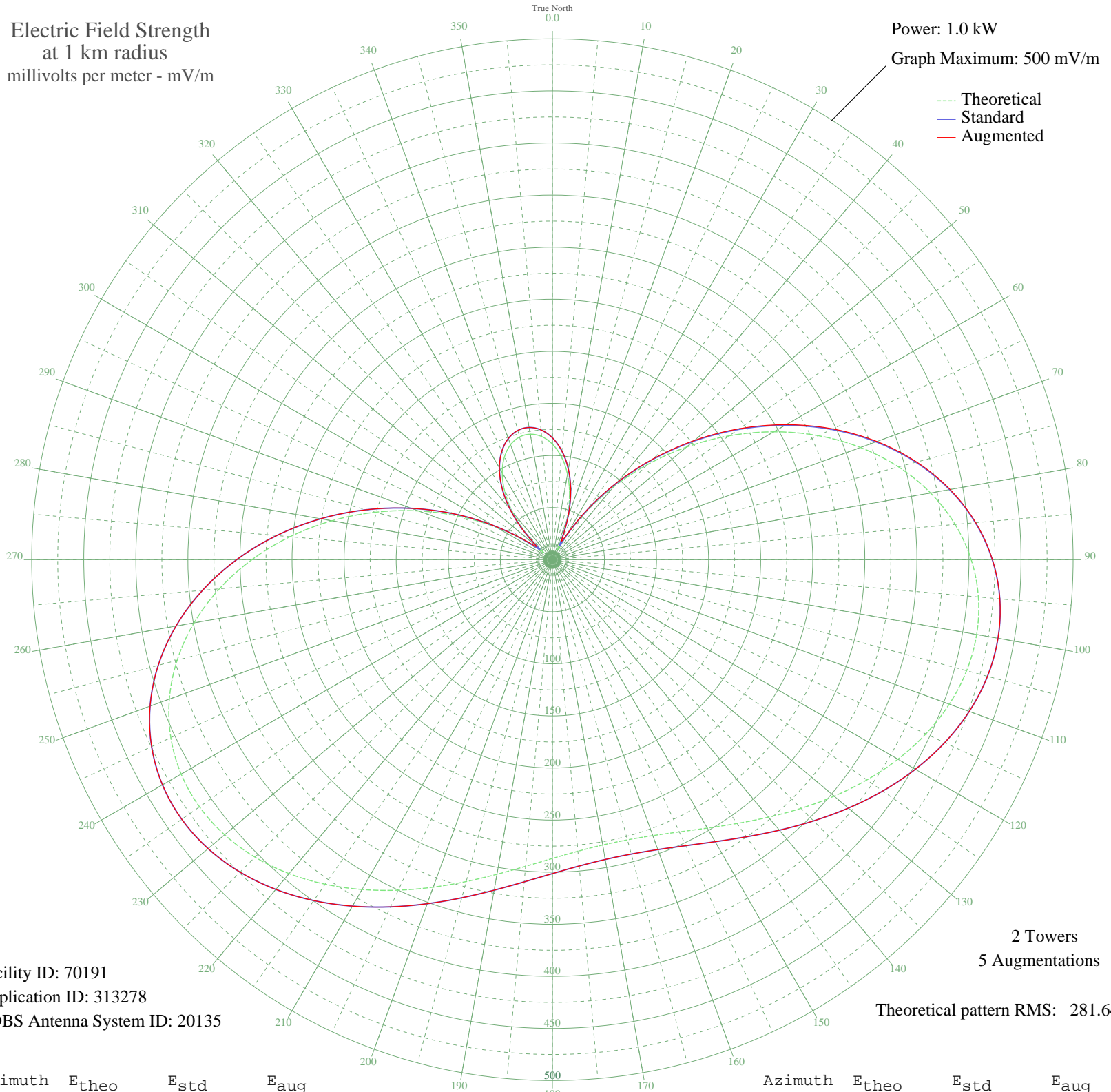


# WCHL CHAPEL HILL, NC BL-- 1360 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 70191  
Application ID: 313278  
CDBS Antenna System ID: 20135

2 Towers  
5 Augmentations  
Theoretical pattern RMS: 281.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	110.93	116.95	116.97
5	99.17	104.66	104.70
10	83.39	88.19	88.26
15	63.68	67.69	67.83
20	40.37	43.67	43.94
25	15.54	19.41	21.40
30	22.35	25.71	28.22
35	54.77	58.46	59.17
40	90.88	96.00	96.95
45	128.99	135.85	137.00
50	168.12	176.84	178.11
55	207.29	217.91	219.20
60	245.48	257.97	259.20
65	281.65	295.92	297.02
70	314.82	330.72	331.65
75	344.09	361.44	362.16
80	368.72	387.30	387.80
85	388.19	407.73	408.03
90	402.17	422.40	422.54
95	410.60	431.26	431.29
100	413.67	434.49	434.49
105	411.80	432.51	432.51
110	405.56	425.97	425.97
115	395.72	415.64	415.64
120	383.12	402.41	402.41
125	368.64	387.22	387.22
130	353.19	371.00	371.00
135	337.62	354.66	354.66
140	322.71	339.01	339.01
145	309.16	324.79	324.79
150	297.55	312.60	312.60
155	288.34	302.94	302.94
160	281.90	296.18	296.18
165	278.46	292.57	292.57
170	278.15	292.24	292.24
175	280.97	295.20	295.20

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	286.83	301.35	301.35
185	295.50	310.45	310.45
190	306.67	322.17	322.17
195	319.88	336.03	336.03
200	334.56	351.45	351.45
205	350.06	367.71	367.71
210	365.60	384.03	384.03
215	380.34	399.50	399.50
220	393.39	413.19	413.19
225	403.86	424.18	424.18
230	410.87	431.55	431.55
235	413.68	434.49	434.49
240	411.63	432.34	432.34
245	404.29	424.64	424.64
250	391.43	411.13	411.13
255	373.04	391.84	391.84
260	349.40	367.03	367.03
265	321.01	337.22	337.22
270	288.55	303.16	303.16
275	252.91	265.76	265.76
280	215.04	226.04	226.04
285	175.99	185.09	185.11
290	136.77	143.99	144.04
295	98.38	103.83	103.92
300	61.78	65.71	65.89
305	28.32	31.53	32.80
310	11.91	16.33	19.92
315	35.35	38.57	38.89
320	59.29	63.13	63.29
325	79.76	84.40	84.49
330	96.34	101.70	101.74
335	108.91	114.83	114.85
340	117.43	123.74	123.75
345	121.89	128.41	128.41
350	122.29	128.84	128.84
355	118.64	125.02	125.02