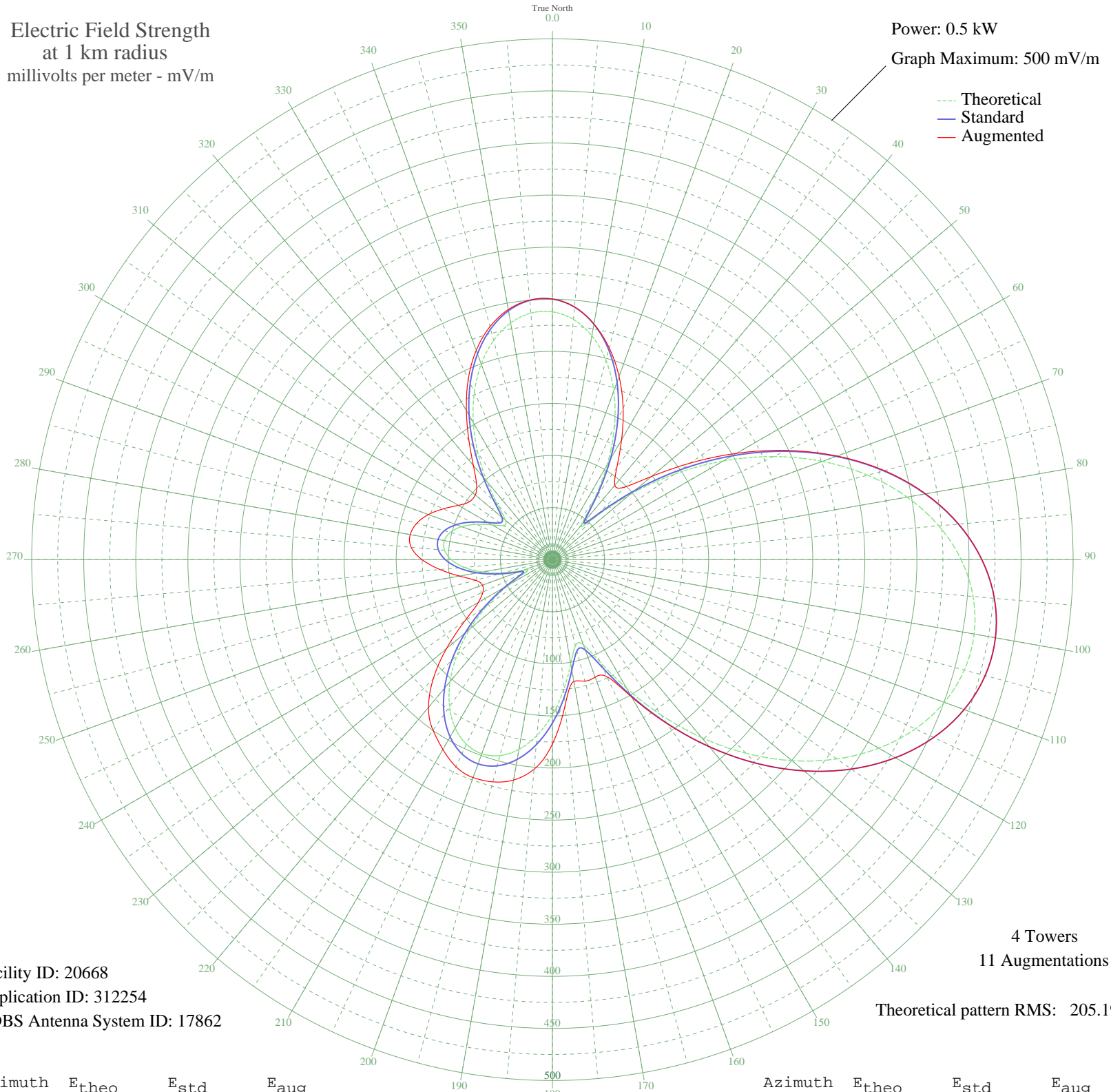


# WDCT FAIRFAX, VA BL-- 1310 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 20668  
Application ID: 312254  
CDBS Antenna System ID: 17862

4 Towers  
11 Augmentations  
Theoretical pattern RMS: 205.19

Azimuth	Etheo	Estd	Eaug
0	237.93	250.19	250.19
5	231.50	243.45	243.45
10	218.25	229.57	229.71
15	198.38	208.74	210.60
20	172.34	181.47	187.20
25	140.91	148.57	160.64
30	105.40	111.50	132.88
35	68.83	73.53	107.82
40	43.01	47.16	93.21
45	57.28	61.65	98.68
50	97.41	103.18	124.30
55	143.19	150.96	161.67
60	189.48	199.41	204.21
65	234.17	246.26	248.11
70	275.87	289.98	290.92
75	313.44	329.39	330.16
80	345.90	363.45	364.01
85	372.47	391.33	391.67
90	392.49	412.34	412.50
95	405.49	425.98	426.03
100	411.19	431.96	431.96
105	409.49	430.18	430.18
110	400.48	420.72	420.72
115	384.46	403.91	403.91
120	361.91	380.25	380.25
125	333.51	350.45	350.45
130	300.12	315.42	315.42
135	262.81	276.29	276.29
140	222.89	234.43	234.45
145	182.02	191.60	192.45
150	142.58	150.33	152.44
155	108.53	114.77	123.91
160	86.90	92.25	119.98
165	85.46	90.76	120.68
170	101.64	107.58	118.69
175	125.13	132.08	140.32

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	Etheo	Estd	Eaug
180	148.86	156.89	177.05
185	169.38	178.36	201.97
190	184.96	194.69	214.82
195	194.73	204.91	220.83
200	198.25	208.60	222.62
205	195.47	205.70	219.23
210	186.63	196.43	210.36
215	172.19	181.30	199.91
220	152.85	161.06	185.07
225	129.52	136.67	161.83
230	103.31	109.32	132.72
235	75.61	80.54	102.77
240	48.55	52.76	82.06
245	27.92	32.31	73.56
250	29.89	34.19	71.55
255	48.60	52.80	76.50
260	68.34	73.03	90.62
265	84.94	90.22	108.44
270	97.03	102.78	125.15
275	103.92	109.95	136.12
280	105.35	111.45	138.62
285	101.42	107.35	134.86
290	92.67	98.25	126.64
295	80.30	85.40	115.51
300	66.76	71.41	104.26
305	57.13	61.51	97.07
310	58.82	63.24	96.61
315	74.05	78.93	103.04
320	97.63	103.40	118.02
325	124.55	131.48	139.74
330	151.79	159.96	165.17
335	177.36	186.73	191.19
340	199.79	210.22	213.82
345	217.90	229.19	231.59
350	230.74	242.65	243.85
355	237.58	249.83	250.15