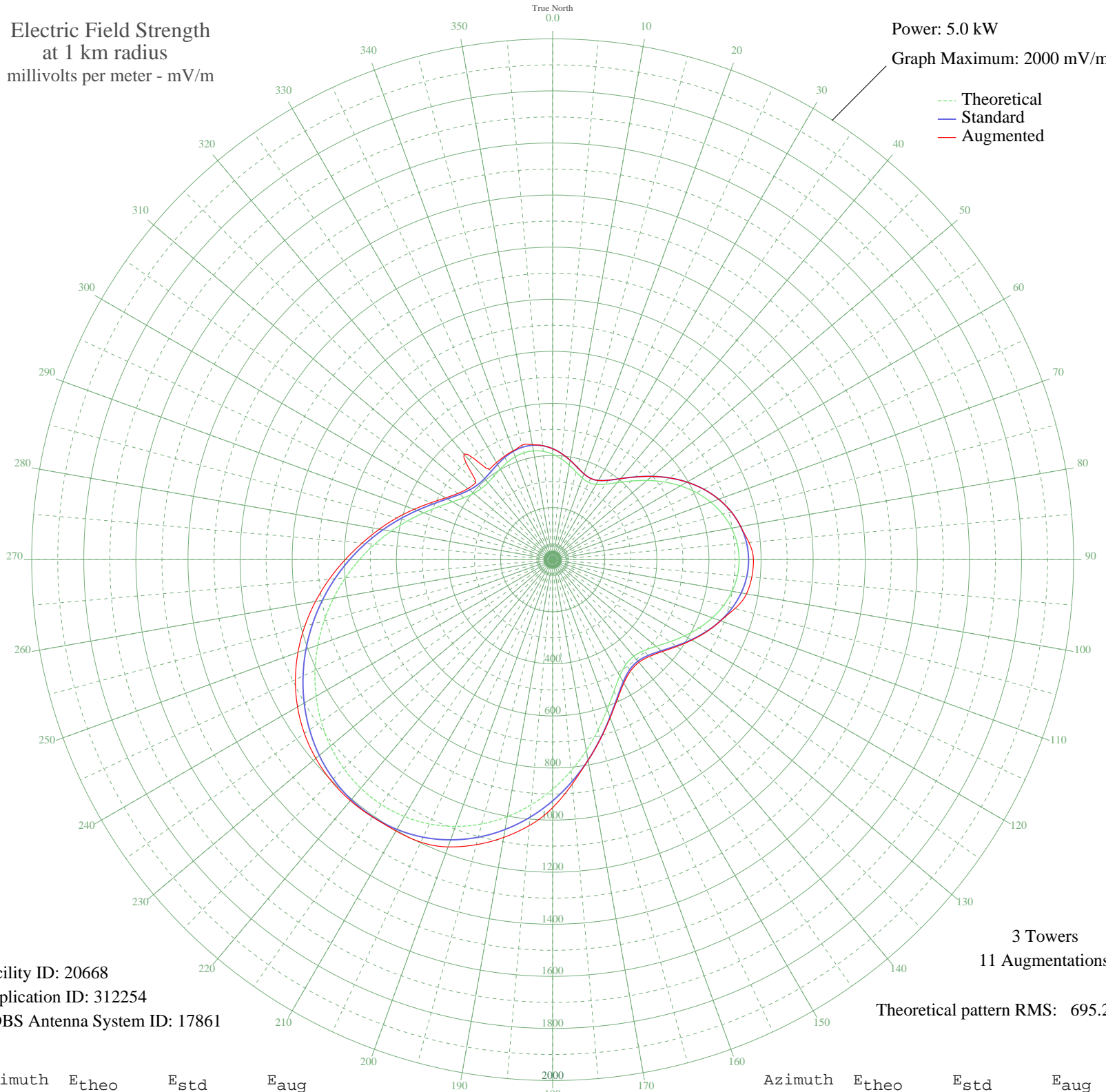


# WDCT FAIRFAX, VA BL-- 1310 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 20668  
Application ID: 312254  
CDBS Antenna System ID: 17861

3 Towers  
11 Augmentations

Theoretical pattern RMS: 695.24

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	405.00	426.05	426.05
5	387.84	408.07	408.07
10	367.96	387.24	387.24
15	348.44	366.79	366.79
20	333.34	350.97	350.97
25	327.17	344.52	344.52
30	333.55	351.20	351.20
35	353.71	372.31	372.31
40	386.05	406.19	406.19
45	427.16	449.28	449.28
50	473.21	497.56	497.56
55	520.69	547.35	547.35
60	566.71	595.61	595.61
65	608.96	639.94	639.94
70	645.67	678.45	678.45
75	675.50	709.76	709.76
80	697.51	732.85	732.85
85	711.07	747.08	756.57
90	715.89	752.14	770.88
95	711.96	748.01	767.58
100	699.59	735.03	755.68
105	679.43	713.88	724.74
110	652.51	685.63	686.30
115	620.36	651.90	653.37
120	585.11	614.92	617.45
125	549.69	577.76	581.47
130	517.90	544.42	549.27
135	494.40	519.77	525.49
140	484.05	508.92	514.99
145	490.66	515.86	521.62
150	515.59	542.00	546.87
155	557.29	585.73	589.39
160	612.16	643.30	645.71
165	675.90	710.18	711.53
170	744.38	782.03	782.62
175	813.98	855.08	864.73

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.

14 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	881.67	926.12	952.27
185	944.94	992.53	1024.99
190	1001.77	1052.18	1083.02
195	1050.56	1103.40	1133.15
200	1090.14	1144.94	1173.79
205	1119.69	1175.96	1197.11
210	1138.80	1196.02	1202.99
215	1147.37	1205.02	1205.99
220	1145.63	1203.20	1207.91
225	1134.09	1191.08	1201.65
230	1113.48	1169.44	1186.93
235	1084.68	1139.21	1163.43
240	1048.70	1101.44	1130.99
245	1006.62	1057.27	1089.69
250	959.53	1007.84	1040.52
255	908.49	954.27	984.95
260	854.55	897.66	924.45
265	798.70	839.04	860.90
270	741.91	779.44	796.55
275	685.15	719.88	733.90
280	629.48	661.47	675.39
285	576.07	605.43	619.52
290	526.28	553.21	565.94
295	481.72	506.48	516.47
300	444.11	467.04	474.66
305	415.12	436.66	443.61
310	395.92	416.54	424.75
315	386.67	406.84	417.54
320	386.22	406.37	429.46
325	392.28	412.72	423.27
330	401.94	422.84	430.52
335	412.24	433.63	438.01
340	420.60	442.40	444.61
345	425.03	447.04	455.08
350	424.19	446.16	447.97
355	417.46	439.11	439.50