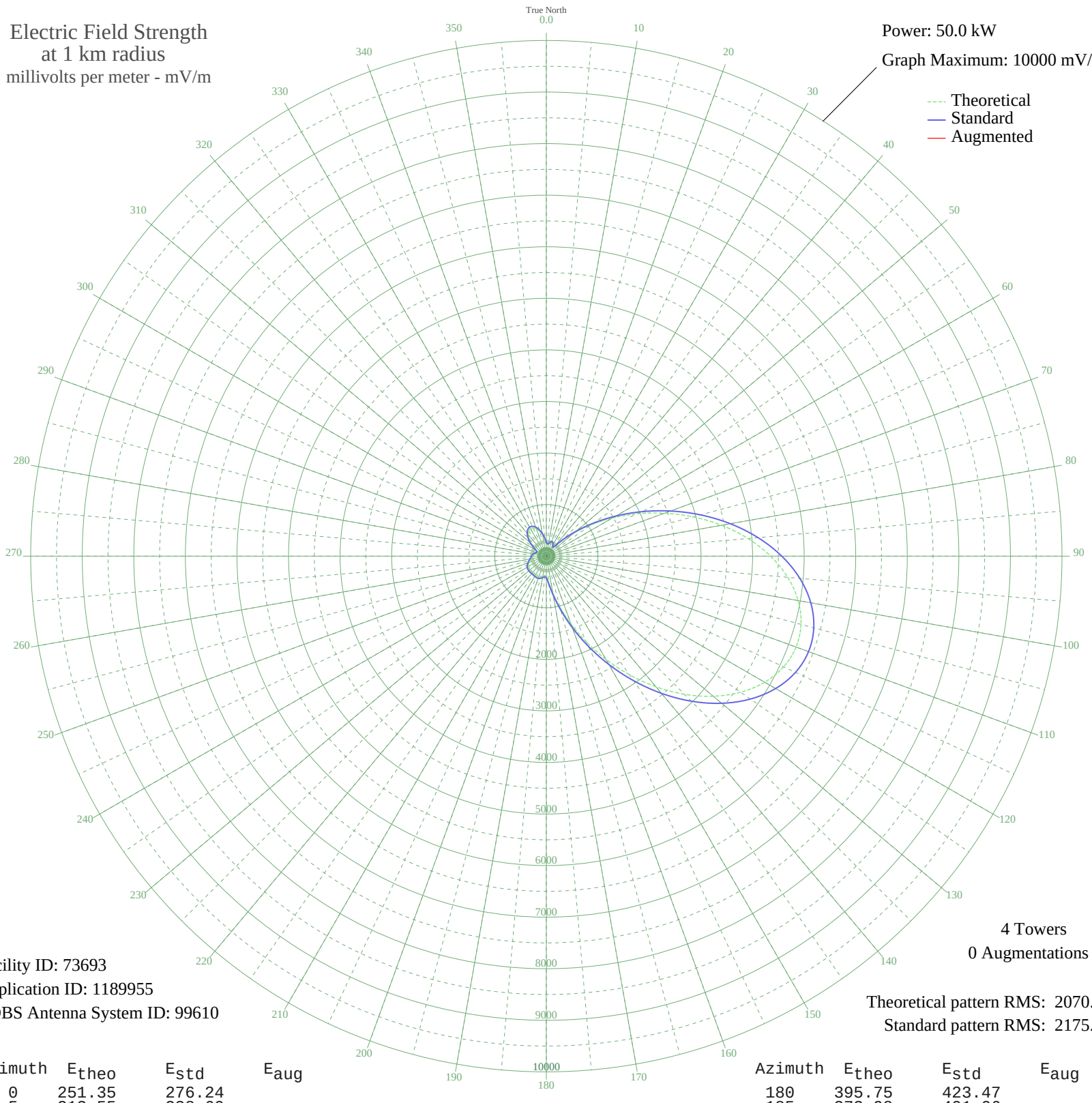
WDCY DOUGLASVILLE, GA BP-20060419ACW 1520 kHz

Daytime

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



Power: 50.0 kW

Graph Maximum: 10000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 73693
Application ID: 1189955
CDBS Antenna System ID: 99610

Theoretical pattern RMS: 2070.34
Standard pattern RMS: 2175.39

Azimuth	E_{theo}	E_{std}	E_{aug}
0	251.35	276.24	
5	213.55	238.60	
10	223.79	248.73	
15	255.64	280.54	
20	277.78	302.86	
25	272.29	297.31	
30	234.20	259.09	
35	187.17	212.78	
40	232.12	257.01	
45	421.50	450.02	
50	706.34	746.13	
55	1062.78	1118.89	
60	1478.58	1554.66	
65	1941.56	2040.27	
70	2436.82	2559.96	
75	2946.41	3094.80	
80	3449.73	3623.14	
85	3924.51	4121.55	
90	4348.11	4566.24	
95	4699.07	4934.70	
100	4958.80	5207.38	
105	5113.08	5369.35	
110	5153.28	5411.56	
115	5077.21	5331.69	
120	4889.28	5134.39	
125	4600.23	4830.93	
130	4226.15	4438.20	
135	3787.17	3977.37	
140	3305.86	3472.11	
145	2805.49	2946.90	
150	2308.53	2425.33	
155	1835.42	1928.91	
160	1403.90	1476.35	
165	1029.22	1083.76	
170	725.61	766.25	
175	509.22	540.87	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	395.75	423.47	
185	373.98	401.06	
190	394.90	422.59	
195	418.30	446.72	
200	429.95	458.75	
205	429.92	458.73	
210	423.63	452.23	
215	417.07	445.46	
220	413.93	442.21	
225	414.17	442.46	
230	414.64	442.94	
235	411.07	439.26	
240	400.10	427.95	
245	380.64	407.91	
250	354.37	380.92	
255	325.43	351.30	
260	299.05	324.42	
265	278.94	304.03	
270	264.49	289.44	
275	250.70	275.58	
280	231.47	256.36	
285	204.58	229.78	
290	177.60	203.54	
295	173.73	199.82	
300	215.21	240.24	
305	292.49	317.76	
310	383.54	410.89	
315	471.60	501.85	
320	544.73	577.75	
325	594.38	629.41	
330	615.17	651.06	
335	604.94	640.41	
340	564.85	598.67	
345	499.30	530.57	
350	416.12	444.47	
355	327.30	353.21	

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