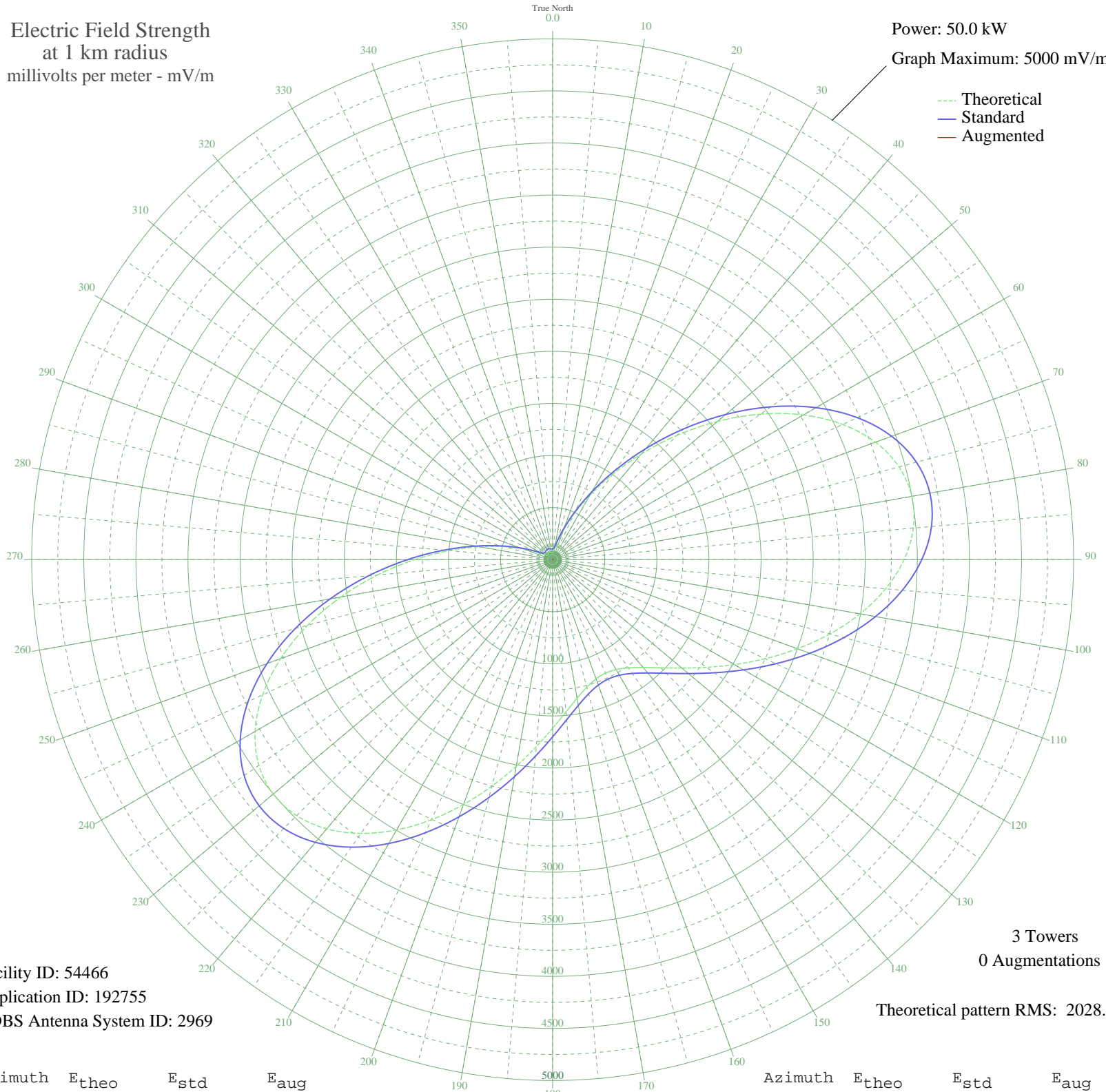


# WCEO COLUMBIA, SC BL-19931208AA 840 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 54466  
Application ID: 192755  
CDBS Antenna System ID: 2969

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 2028.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	65.99	101.56	
5	74.76	108.05	
10	107.56	135.16	
15	181.29	204.32	
20	304.05	327.78	
25	480.15	509.60	
30	711.31	750.56	
35	995.26	1047.66	
40	1324.67	1392.89	
45	1686.80	1772.70	
50	2064.08	2168.56	
55	2435.45	2558.30	
60	2778.41	2918.28	
65	3071.51	3225.94	
70	3296.75	3462.39	
75	3441.67	3614.51	
80	3500.59	3676.37	
85	3475.05	3649.55	
90	3373.07	3542.50	
95	3207.85	3369.06	
100	2995.78	3146.45	
105	2754.50	2893.18	
110	2500.97	2627.07	
115	2250.14	2363.81	
120	2014.04	2116.04	
125	1801.49	1893.02	
130	1618.26	1700.80	
135	1467.56	1542.72	
140	1350.68	1420.15	
145	1267.73	1333.19	
150	1218.29	1281.36	
155	1201.87	1264.15	
160	1218.29	1281.36	
165	1267.73	1333.19	
170	1350.68	1420.15	
175	1467.56	1542.72	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1618.26	1700.80	
185	1801.49	1893.02	
190	2014.04	2116.04	
195	2250.14	2363.81	
200	2500.97	2627.07	
205	2754.49	2893.17	
210	2995.78	3146.45	
215	3207.84	3369.05	
220	3373.07	3542.50	
225	3475.05	3649.55	
230	3500.59	3676.37	
235	3441.67	3614.51	
240	3296.76	3462.39	
245	3071.52	3225.95	
250	2778.42	2918.28	
255	2435.45	2558.30	
260	2064.09	2168.56	
265	1686.81	1772.70	
270	1324.68	1392.89	
275	995.27	1047.66	
280	711.31	750.56	
285	480.15	509.60	
290	304.06	327.78	
295	181.29	204.32	
300	107.56	135.16	
305	74.76	108.05	
310	65.99	101.56	
315	65.66	101.32	
320	69.06	103.78	
325	74.77	108.06	
330	80.07	112.16	
335	82.20	113.85	
340	80.07	112.16	
345	74.77	108.06	
350	69.06	103.78	
355	65.66	101.32	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission