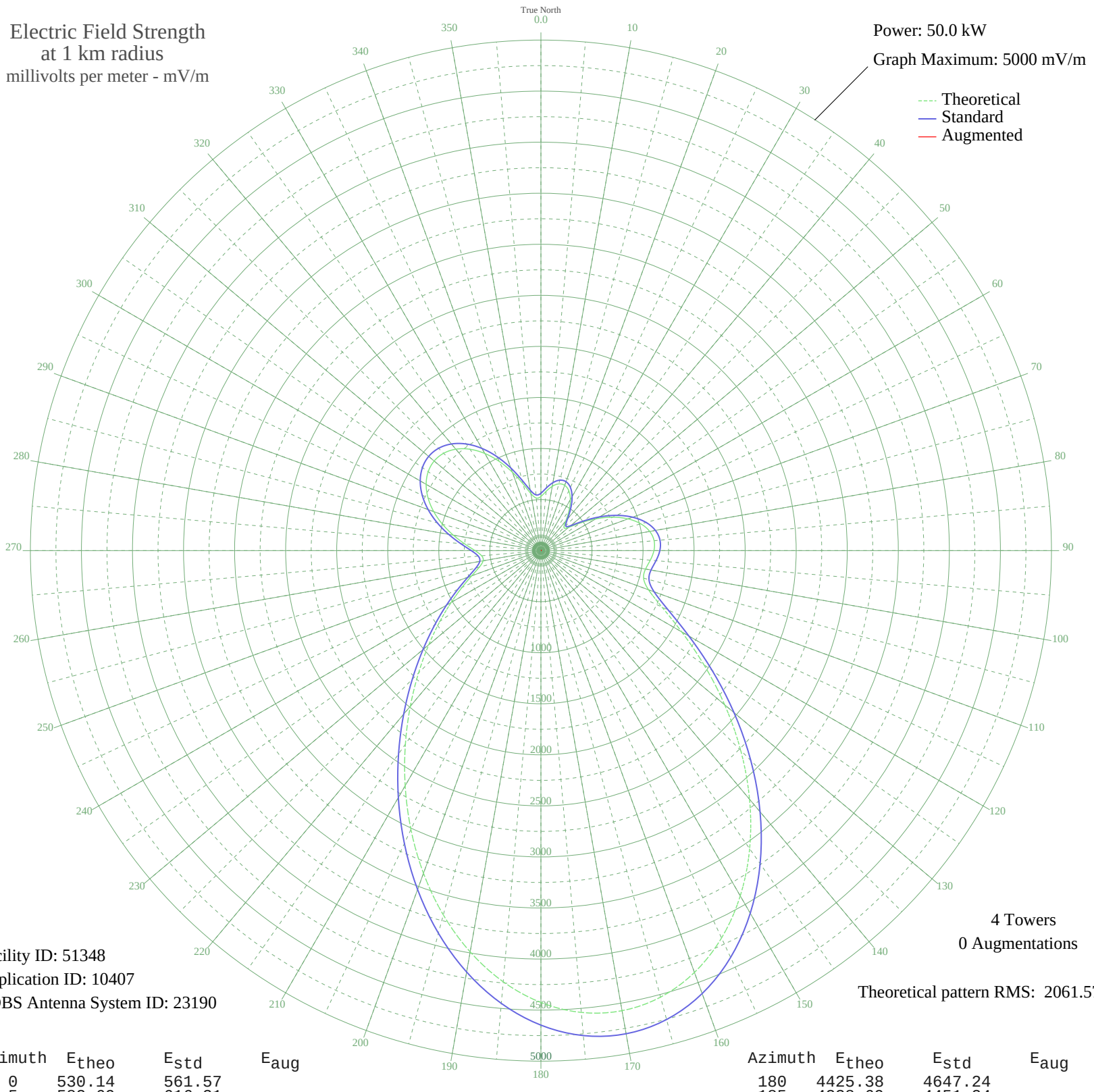
WAGL LANCASTER, SC BL-19790524AD 1560 kHz

Daytime

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



Power: 50.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 51348
Application ID: 10407
CDBS Antenna System ID: 23190

Theoretical pattern RMS: 2061.57

Azimuth	E_{theo}	E_{std}	E_{aug}
0	530.14	561.57	
5	582.69	616.31	
10	639.65	675.72	
15	676.62	714.32	
20	680.54	718.41	
25	646.68	683.06	
30	577.07	610.46	
35	480.97	510.44	
40	379.58	405.41	
45	318.35	342.42	
50	353.50	378.52	
55	472.49	501.64	
60	623.64	659.02	
65	774.74	816.86	
70	908.19	956.48	
75	1012.98	1066.21	
80	1082.13	1138.66	
85	1112.65	1170.64	
90	1106.84	1164.55	
95	1075.12	1131.32	
100	1040.37	1094.91	
105	1040.85	1095.41	
110	1121.31	1179.72	
115	1307.54	1374.93	
120	1592.28	1673.55	
125	1949.32	2048.13	
130	2349.74	2468.34	
135	2767.32	2906.64	
140	3178.91	3338.68	
145	3563.98	3742.92	
150	3904.65	4100.55	
155	4185.93	4395.85	
160	4396.16	4616.56	
165	4527.31	4754.26	
170	4575.31	4804.65	
175	4540.06	4767.64	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	4425.38	4647.24	
185	4238.69	4451.24	
190	3990.48	4190.66	
195	3693.67	3879.07	
200	3362.75	3531.66	
205	3012.85	3164.36	
210	2658.79	2792.71	
215	2314.09	2430.92	
220	1990.05	2090.87	
225	1695.00	1781.30	
230	1433.74	1507.26	
235	1207.51	1270.05	
240	1014.73	1068.05	
245	852.86	898.57	
250	721.30	761.00	
255	624.89	660.32	
260	574.95	608.25	
265	582.54	616.15	
270	645.65	681.98	
275	748.22	789.13	
280	870.98	917.54	
285	997.99	1050.52	
290	1117.20	1175.41	
295	1219.51	1282.63	
300	1298.01	1364.93	
305	1347.64	1416.97	
310	1364.92	1435.09	
315	1347.95	1417.29	
320	1296.43	1363.28	
325	1211.98	1274.74	
330	1098.51	1155.82	
335	963.00	1013.87	
340	816.64	860.68	
345	676.62	714.32	
350	567.68	600.67	
355	516.60	547.49	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission