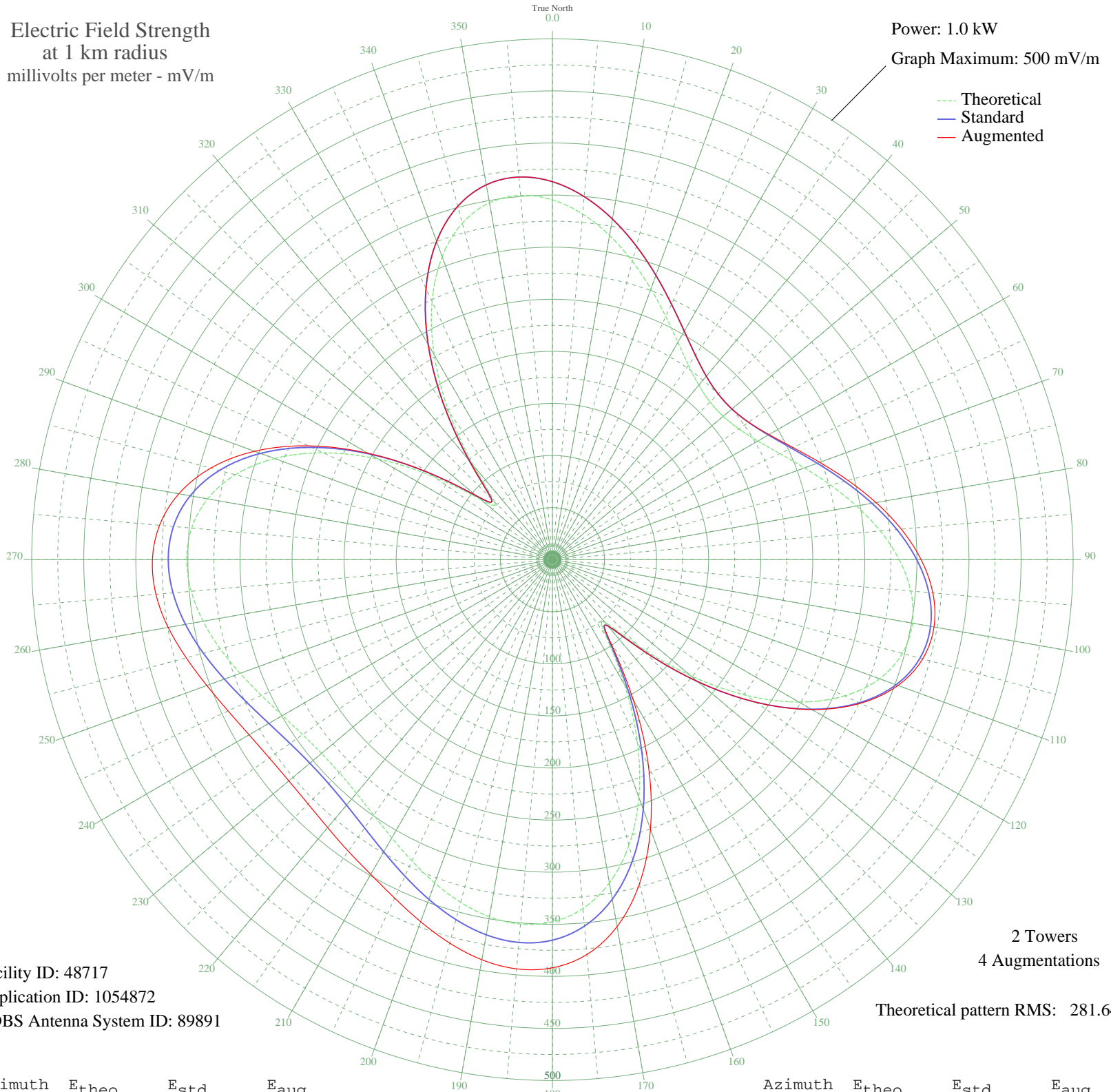


# WAGG BIRMINGHAM, AL BL-4749 610 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 48717  
Application ID: 1054872  
CDBS Antenna System ID: 89891

2 Towers  
4 Augmentations  
Theoretical pattern RMS: 281.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	345.45	362.87	362.87
5	333.07	349.88	349.88
10	316.07	332.04	332.04
15	296.57	311.57	311.57
20	276.50	290.52	290.52
25	257.53	270.61	270.61
30	240.98	253.25	253.25
35	227.82	239.44	239.44
40	218.72	229.90	229.90
45	214.08	225.03	225.03
50	214.08	225.03	225.03
55	218.72	229.90	230.03
60	227.82	239.44	240.15
65	240.98	253.25	254.83
70	257.53	270.61	273.15
75	276.50	290.52	293.89
80	296.57	311.57	315.52
85	316.07	332.04	336.26
90	333.07	349.88	354.06
95	345.44	362.87	366.73
100	351.03	368.73	372.08
105	347.85	365.39	368.08
110	334.31	351.19	353.15
115	309.50	325.14	326.38
120	273.36	287.22	287.81
125	227.02	238.61	238.73
130	173.22	182.18	182.18
135	117.95	124.29	124.29
140	78.60	83.19	83.19
145	90.23	95.32	97.81
150	138.76	146.07	155.12
155	193.08	203.01	218.19
160	242.73	255.08	275.39
165	283.91	298.29	322.50
170	315.13	331.05	357.67
175	336.17	353.14	380.47

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	347.74	365.28	391.82
185	351.16	368.87	394.33
190	348.14	365.70	390.01
195	340.57	357.75	381.07
200	330.30	346.98	369.84
205	319.07	335.18	358.48
210	308.32	323.91	348.82
215	299.26	314.40	341.71
220	292.74	307.56	335.72
225	289.34	303.99	331.75
230	289.34	303.99	330.37
235	292.74	307.56	331.85
240	299.26	314.40	336.31
245	308.32	323.91	343.59
250	319.07	335.18	353.16
255	330.30	346.98	364.00
260	340.57	357.75	374.65
265	348.14	365.70	382.15
270	351.16	368.87	384.08
275	347.74	365.28	378.66
280	336.17	353.14	364.26
285	315.13	331.05	339.66
290	283.91	298.29	304.32
295	242.73	255.08	258.63
300	193.08	203.01	204.39
305	138.76	146.07	146.13
310	90.23	95.32	95.32
315	78.60	83.19	83.19
320	117.95	124.29	124.29
325	173.22	182.18	182.18
330	227.02	238.61	238.61
335	273.36	287.22	287.22
340	309.50	325.14	325.14
345	334.31	351.19	351.19
350	347.85	365.39	365.39
355	351.03	368.73	368.73