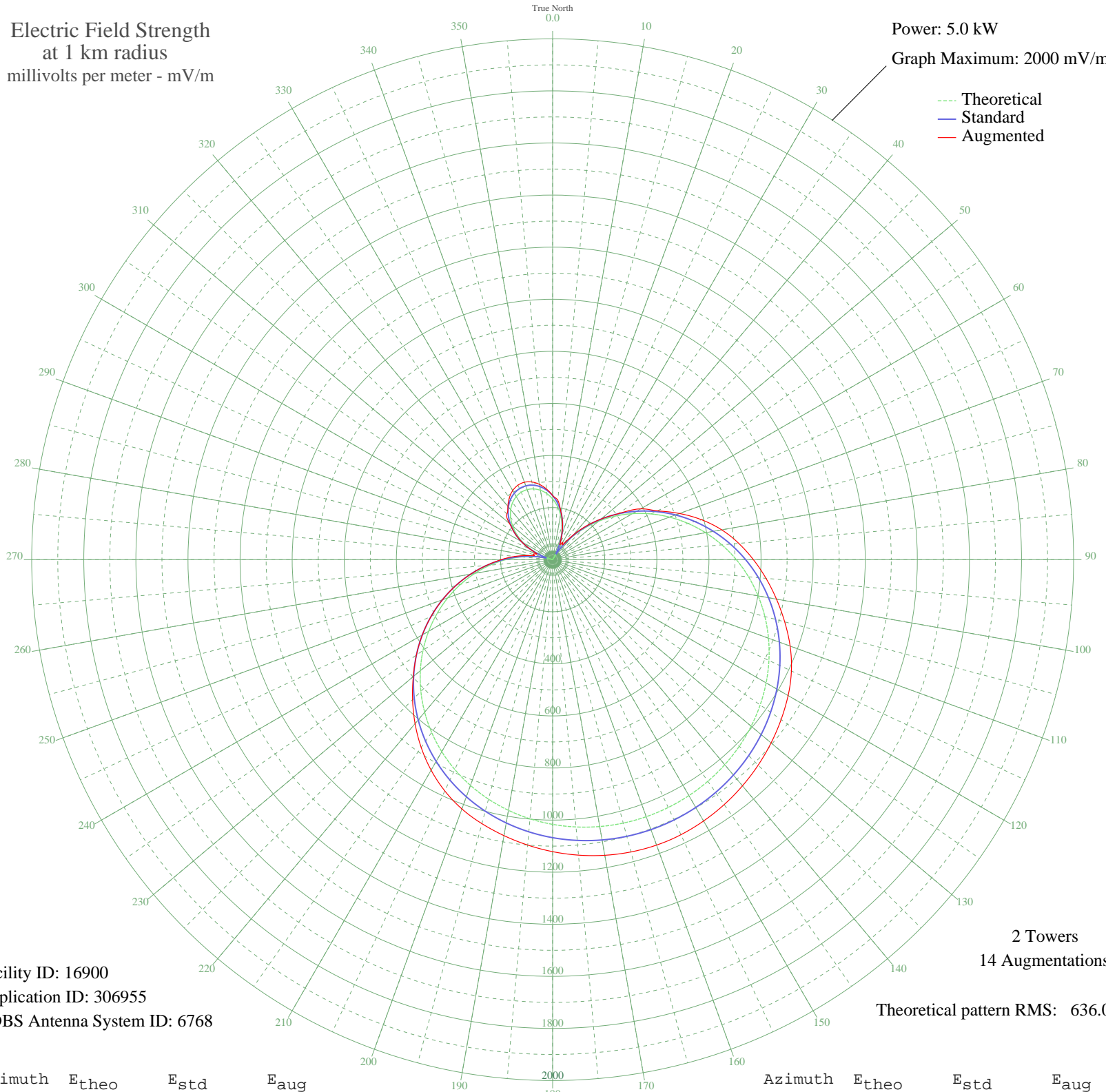


# WAPI BIRMINGHAM, AL BL-- 1070 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 16900  
Application ID: 306955  
CDBS Antenna System ID: 6768

2 Towers  
14 Augmentations  
Theoretical pattern RMS: 636.01

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	233.00	245.88	246.55
5	206.20	217.90	228.85
10	174.27	184.62	184.62
15	137.41	146.36	146.36
20	95.89	103.64	103.64
25	50.03	58.00	65.62
30	0.21	24.58	77.64
35	53.13	60.96	73.20
40	109.48	117.56	124.83
45	168.30	178.42	182.88
50	228.98	241.68	242.66
55	290.90	306.43	307.97
60	353.39	371.87	390.43
65	415.80	437.28	443.63
70	477.48	501.96	518.30
75	537.81	565.24	592.11
80	596.21	626.51	659.15
85	652.16	685.21	717.28
90	705.19	740.86	770.76
95	754.94	793.06	822.21
100	801.08	841.50	872.55
105	843.41	885.92	922.23
110	881.77	926.19	970.19
115	916.09	962.21	1011.27
120	946.34	993.97	1043.82
125	972.57	1021.50	1070.67
130	994.84	1044.87	1094.71
135	1013.23	1064.18	1115.78
140	1027.86	1079.53	1133.65
145	1038.81	1091.03	1148.08
150	1046.17	1098.76	1158.74
155	1050.01	1102.79	1165.29
160	1050.36	1103.15	1166.37
165	1047.22	1099.86	1161.90
170	1040.57	1092.87	1152.64
175	1030.34	1082.13	1138.93

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.

13 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	1016.45	1067.56	1121.24
185	998.82	1049.05	1100.11
190	977.34	1026.50	1076.03
195	951.91	999.81	1049.42
200	922.46	968.90	1018.63
205	888.96	933.73	979.81
210	851.40	894.31	933.27
215	809.86	850.71	880.06
220	764.46	803.06	821.77
225	715.42	751.59	760.47
230	663.01	696.60	698.57
235	607.61	638.47	638.47
240	549.66	577.67	577.67
245	489.68	514.75	514.75
250	428.22	450.30	450.30
255	365.90	384.98	384.98
260	303.37	319.49	319.49
265	241.29	254.54	255.12
270	180.31	190.91	197.85
275	121.07	129.48	144.18
280	64.17	71.73	90.07
285	10.19	26.81	76.43
290	40.37	49.00	63.82
295	87.05	94.65	95.44
300	129.47	138.15	138.15
305	167.28	177.36	177.36
310	200.22	211.66	216.04
315	228.06	240.72	248.27
320	250.63	264.31	267.49
325	267.81	282.27	289.92
330	279.49	294.49	306.42
335	285.63	300.91	315.53
340	286.19	301.50	316.37
345	281.16	296.24	308.88
350	270.58	285.17	293.75
355	254.50	268.35	272.36