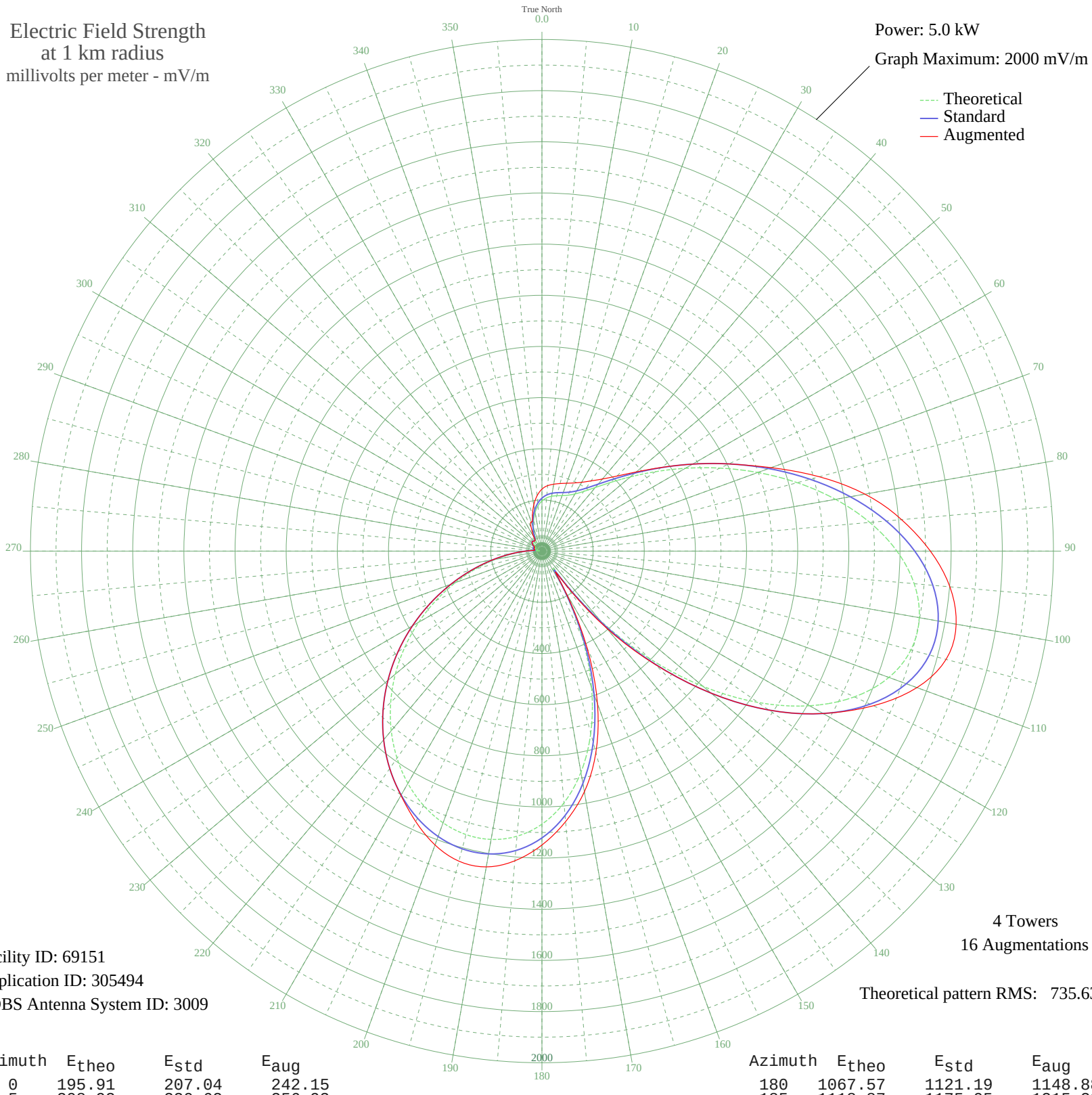
WRUF GAINESVILLE, FL BL-- 850 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

4 Towers
16 Augmentations

Facility ID: 69151
Application ID: 305494
CDBS Antenna System ID: 3009

Theoretical pattern RMS: 735.63

Azimuth	E_{theo}	E_{std}	E_{aug}
0	195.91	207.04	242.15
5	208.92	220.62	256.93
10	217.66	229.75	265.54
15	224.11	236.49	273.45
20	230.91	243.59	282.28
25	241.13	254.28	293.91
30	258.04	271.96	310.67
35	284.86	300.02	334.98
40	324.56	341.59	367.91
45	379.58	399.25	414.93
50	451.58	474.74	481.43
55	541.10	568.64	570.07
60	647.31	680.08	680.08
65	767.78	806.52	806.52
70	898.42	943.64	953.84
75	1033.46	1085.39	1122.87
80	1165.69	1224.20	1282.51
85	1286.84	1351.38	1411.48
90	1388.16	1457.75	1518.90
95	1461.12	1534.36	1601.25
100	1498.20	1573.28	1644.58
105	1493.57	1568.43	1635.81
110	1443.80	1516.17	1560.31
115	1348.20	1415.81	1430.33
120	1209.04	1269.71	1269.71
125	1031.38	1083.20	1083.20
130	822.73	864.19	864.19
135	592.61	622.69	627.10
140	352.63	371.01	391.74
145	126.56	134.95	148.99
150	161.87	171.58	184.61
155	371.12	390.38	418.49
160	567.11	595.93	634.80
165	737.36	774.58	814.97
170	878.01	922.21	955.36
175	987.89	1037.55	1061.45

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1067.57	1121.19	1148.88
185	1118.87	1175.05	1215.23
190	1144.43	1201.88	1253.49
195	1147.24	1204.83	1254.77
200	1130.36	1187.11	1222.40
205	1096.61	1151.68	1166.97
210	1048.44	1101.11	1102.55
215	987.89	1037.55	1037.55
220	916.69	962.81	962.81
225	836.34	878.47	878.47
230	748.34	786.11	786.11
235	654.39	687.51	687.51
240	556.57	584.87	584.87
245	457.44	480.89	480.89
250	360.04	378.77	378.77
255	267.77	282.14	282.14
260	184.15	194.78	194.78
265	112.45	120.38	120.44
270	55.38	62.71	63.74
275	15.90	28.81	32.19
280	15.73	28.71	28.70
285	26.13	36.11	31.47
290	27.43	37.16	32.88
295	25.40	35.53	32.75
300	28.08	37.69	33.47
305	36.03	44.52	44.25
310	43.29	51.16	50.11
315	45.83	53.54	52.86
320	43.20	51.08	51.08
325	40.16	48.26	48.28
330	47.04	54.69	62.74
335	67.63	74.80	96.96
340	95.81	103.31	121.26
345	125.79	134.15	143.55
350	153.81	163.20	183.34
355	177.56	187.91	217.27