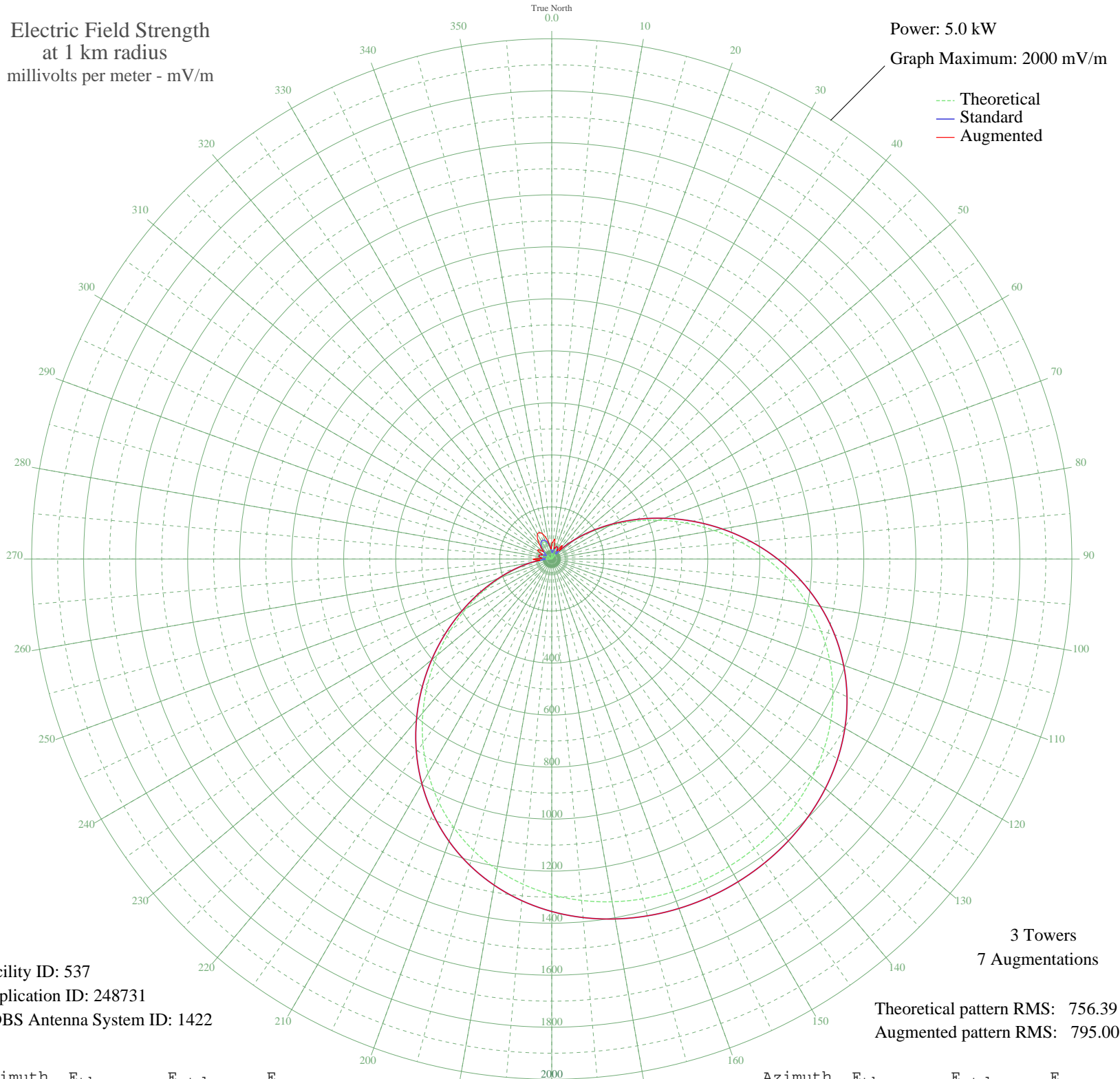


WGUS AUGUSTA, GA BL-19970616BS 1480 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 537
Application ID: 248731
CDBS Antenna System ID: 1422

3 Towers
7 Augmentations
Theoretical pattern RMS: 756.39
Augmented pattern RMS: 795.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	14.80	28.25	58.65
5	3.05	23.81	67.57
10	19.68	31.36	68.37
15	33.21	42.10	42.10
20	41.65	49.69	49.69
25	43.01	50.95	50.95
30	35.42	44.04	44.04
35	17.29	29.77	46.88
40	12.62	27.06	56.72
45	55.01	62.39	62.39
50	109.99	117.87	117.87
55	177.01	187.35	187.35
60	254.89	268.68	268.68
65	341.87	359.74	359.74
70	435.69	458.08	458.08
75	533.79	560.98	560.98
80	633.48	665.57	665.57
85	732.09	769.05	769.05
90	827.17	868.85	868.85
95	916.63	962.75	962.75
100	998.83	1049.04	1049.04
105	1072.63	1126.51	1126.51
110	1137.39	1194.49	1194.49
115	1192.92	1252.79	1252.79
120	1239.44	1301.63	1301.63
125	1277.44	1341.51	1341.51
130	1307.59	1373.17	1373.17
135	1330.67	1397.40	1397.40
140	1347.42	1414.99	1414.99
145	1358.49	1426.61	1426.61
150	1364.37	1432.79	1432.79
155	1365.34	1433.80	1433.80
160	1361.45	1429.71	1429.71
165	1352.50	1420.32	1420.32
170	1338.09	1405.19	1405.19
175	1317.63	1383.71	1383.71

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.

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1290.40	1355.12	1355.12
185	1255.63	1318.62	1318.62
190	1212.59	1273.44	1273.44
195	1160.71	1218.97	1218.97
200	1099.64	1154.86	1154.86
205	1029.41	1081.14	1081.14
210	950.46	998.26	998.26
215	863.73	907.22	907.22
220	770.67	809.54	809.54
225	673.19	707.25	707.25
230	573.63	602.77	602.77
235	474.57	498.85	498.85
240	378.71	398.35	398.35
245	288.71	304.06	304.06
250	206.95	218.57	218.57
255	135.40	144.12	144.12
260	75.51	82.72	82.72
265	28.06	37.74	45.08
270	6.79	24.64	69.58
275	29.51	38.95	38.95
280	41.14	49.22	49.22
285	43.15	51.08	51.08
290	37.31	45.73	45.73
295	25.57	35.74	40.25
300	9.95	25.80	59.27
305	7.63	24.91	62.17
310	25.39	35.59	44.79
315	41.76	49.79	50.21
320	55.47	62.84	72.95
325	65.52	72.73	95.41
330	71.21	78.41	109.60
335	72.18	79.37	112.08
340	68.35	75.54	102.34
345	59.98	67.25	82.56
350	47.63	55.30	58.49
355	32.18	41.21	41.21

10 Nov 2011

Prepared by Audio Division, Media Bureau
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