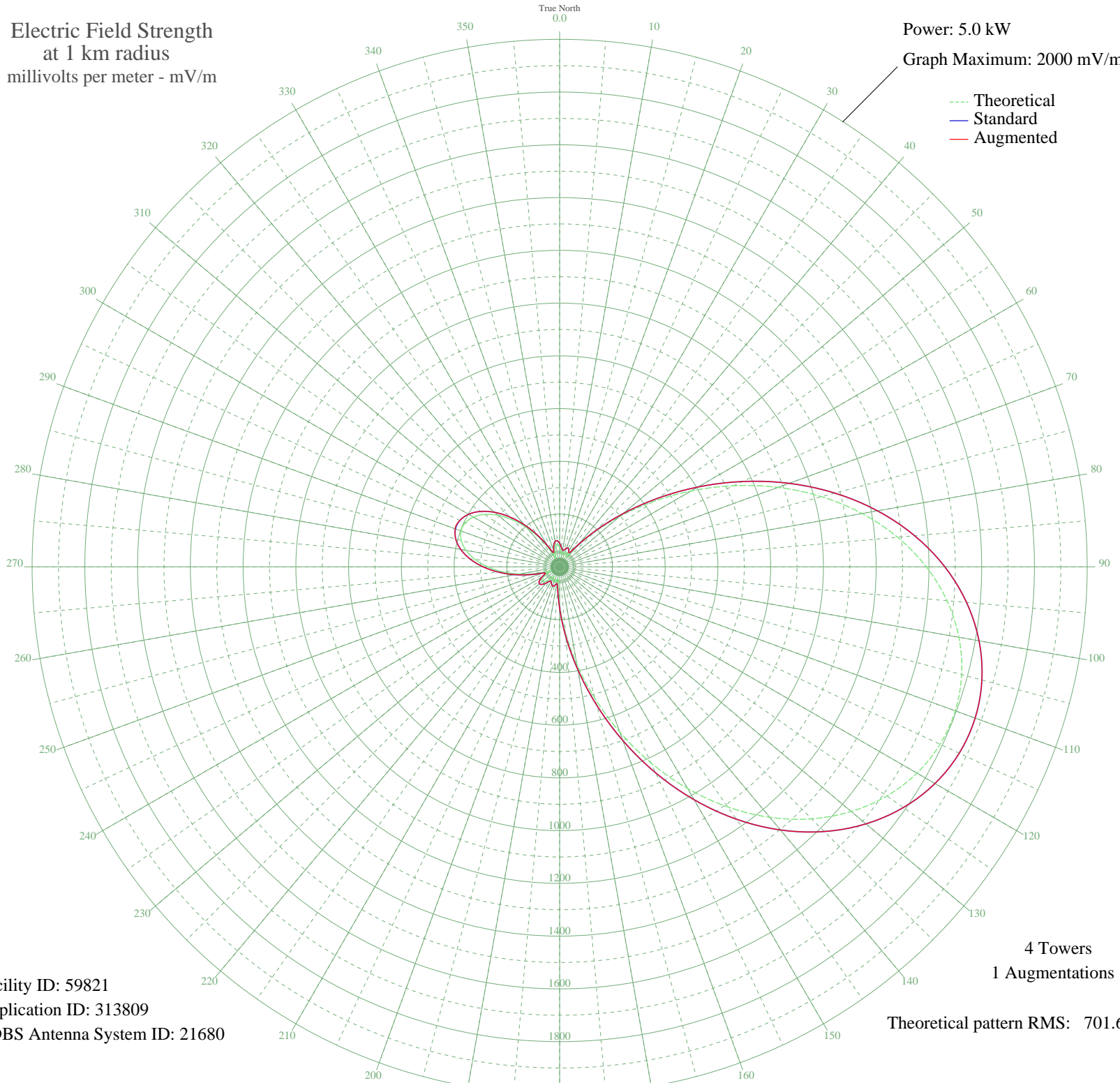


WGVL GREENVILLE, SC BL-- 1440 kHz

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

Facility ID: 59821
Application ID: 313809
CDBS Antenna System ID: 21680

4 Towers
1 Augmentations

Theoretical pattern RMS: 701.67

Azimuth	E _{theo}	E _{std}	E _{aug}
0	73.81	89.17	89.17
5	56.88	74.25	74.25
10	44.66	64.38	64.38
15	47.97	66.95	66.95
20	58.03	75.22	75.22
25	60.59	77.42	77.42
30	50.65	69.10	69.10
35	47.25	66.39	66.39
40	94.86	108.93	108.93
45	182.28	196.42	196.42
50	295.93	313.84	313.84
55	429.00	452.60	452.60
60	575.14	605.51	605.51
65	727.85	765.51	765.51
70	880.72	925.81	925.81
75	1027.90	1080.20	1080.20
80	1164.39	1223.40	1223.40
85	1286.13	1351.16	1351.16
90	1390.12	1460.29	1460.29
95	1474.21	1548.55	1548.55
100	1537.03	1614.48	1614.48
105	1577.74	1657.21	1657.21
110	1595.90	1676.28	1676.28
115	1591.36	1671.51	1671.51
120	1564.14	1642.94	1642.94
125	1514.52	1590.86	1590.86
130	1443.06	1515.86	1515.86
135	1350.81	1419.04	1419.04
140	1239.42	1302.14	1302.14
145	1111.36	1167.76	1167.76
150	970.05	1019.51	1019.51
155	819.94	862.07	862.07
160	666.40	701.11	701.11
165	515.53	543.10	543.10
170	373.84	395.00	395.00
175	247.79	263.89	263.89

Azimuth	E _{theo}	E _{std}	E _{aug}
180	143.70	157.21	157.21
185	69.67	85.43	85.43
190	44.36	64.16	64.16
195	55.87	73.40	73.40
200	61.04	77.80	77.80
205	54.27	72.07	72.07
210	44.88	64.55	64.55
215	48.04	67.01	67.01
220	63.85	80.25	80.25
225	79.24	94.17	94.17
230	85.73	100.24	100.24
235	79.61	94.52	94.52
240	61.04	77.81	77.81
245	39.11	60.27	60.27
250	51.59	69.86	69.86
255	99.39	113.30	113.30
260	157.31	170.96	170.96
265	216.80	231.87	231.87
270	272.89	289.91	289.91
275	321.71	340.66	340.66
280	360.17	380.75	380.75
285	386.03	407.72	407.72
290	397.80	420.01	422.04
295	394.84	416.92	417.45
300	377.31	398.63	398.63
305	346.19	366.17	366.17
310	303.27	321.47	321.47
315	251.13	267.35	267.35
320	193.16	207.56	207.56
325	133.61	147.07	147.07
330	78.26	93.27	93.27
335	40.21	61.06	61.06
340	46.70	65.96	65.96
345	69.74	85.49	85.49
350	83.66	98.30	98.30
355	84.52	99.11	99.11

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission