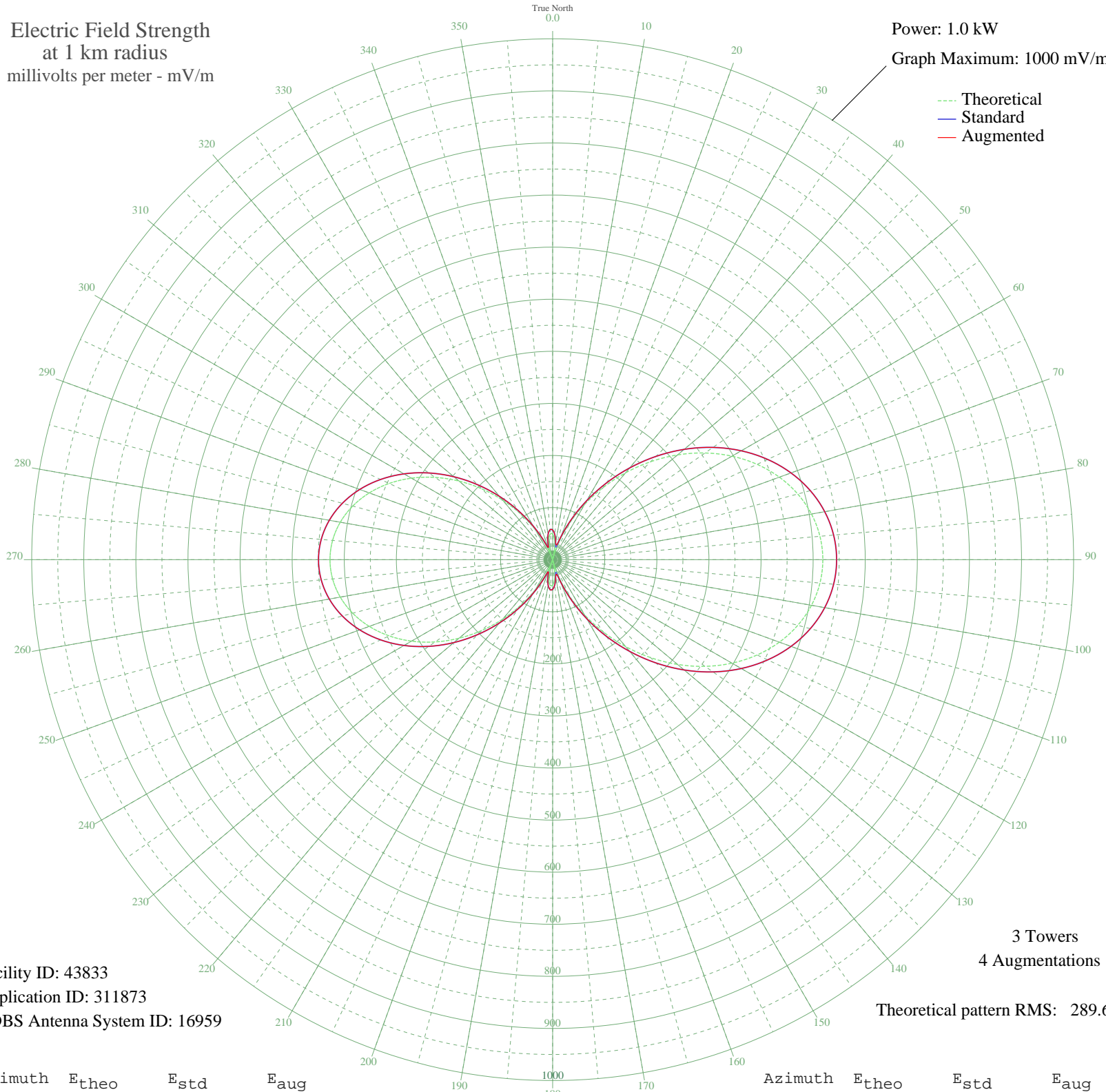


# WWHM SUMTER, SC BL-- 1290 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 43833  
Application ID: 311873  
CDBS Antenna System ID: 16959

3 Towers  
4 Augmentations

Theoretical pattern RMS: 289.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	48.99	56.97	56.97
5	39.34	48.02	48.02
10	20.99	32.94	33.35
15	5.43	25.14	29.13
20	38.96	47.68	47.68
25	78.39	85.87	85.87
30	122.32	130.75	130.75
35	169.25	179.39	179.39
40	217.64	229.83	229.83
45	265.99	280.36	280.36
50	312.90	329.45	329.45
55	357.08	375.74	375.74
60	397.45	418.04	418.04
65	433.05	455.36	455.36
70	463.13	486.90	486.90
75	487.09	512.03	512.03
80	504.51	530.30	530.30
85	515.07	541.38	541.38
90	518.61	545.10	545.10
95	515.07	541.38	541.38
100	504.51	530.30	530.30
105	487.09	512.03	512.03
110	463.13	486.90	486.90
115	433.05	455.36	455.36
120	397.45	418.04	418.04
125	357.08	375.74	375.74
130	312.90	329.45	329.45
135	265.99	280.36	280.36
140	217.64	229.83	229.83
145	169.25	179.39	179.39
150	122.32	130.75	130.75
155	78.39	85.87	85.87
160	38.96	47.68	47.68
165	5.43	25.14	29.13
170	20.99	32.94	33.35
175	39.34	48.02	48.02

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	48.99	56.97	56.97
185	49.65	57.60	57.60
190	41.42	49.91	49.91
195	24.75	35.70	35.70
200	0.42	24.49	24.49
205	30.48	40.29	40.29
210	66.65	74.15	74.15
215	106.67	114.65	114.65
220	149.02	158.38	158.38
225	192.20	203.29	203.29
230	234.76	247.71	247.71
235	275.38	290.19	290.19
240	312.88	329.44	329.44
245	346.24	364.38	364.38
250	374.62	394.12	394.12
255	397.36	417.95	417.95
260	413.95	435.33	435.33
265	424.04	445.91	445.91
270	427.42	449.46	449.46
275	424.04	445.91	445.91
280	413.95	435.33	435.33
285	397.36	417.95	417.95
290	374.62	394.12	394.12
295	346.24	364.38	364.38
300	312.88	329.44	329.44
305	275.38	290.19	290.19
310	234.76	247.71	247.71
315	192.20	203.29	203.29
320	149.02	158.38	158.38
325	106.67	114.65	114.65
330	66.65	74.15	74.15
335	30.48	40.29	40.29
340	0.42	24.49	24.49
345	24.75	35.70	35.70
350	41.42	49.91	49.91
355	49.65	57.60	57.60

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission