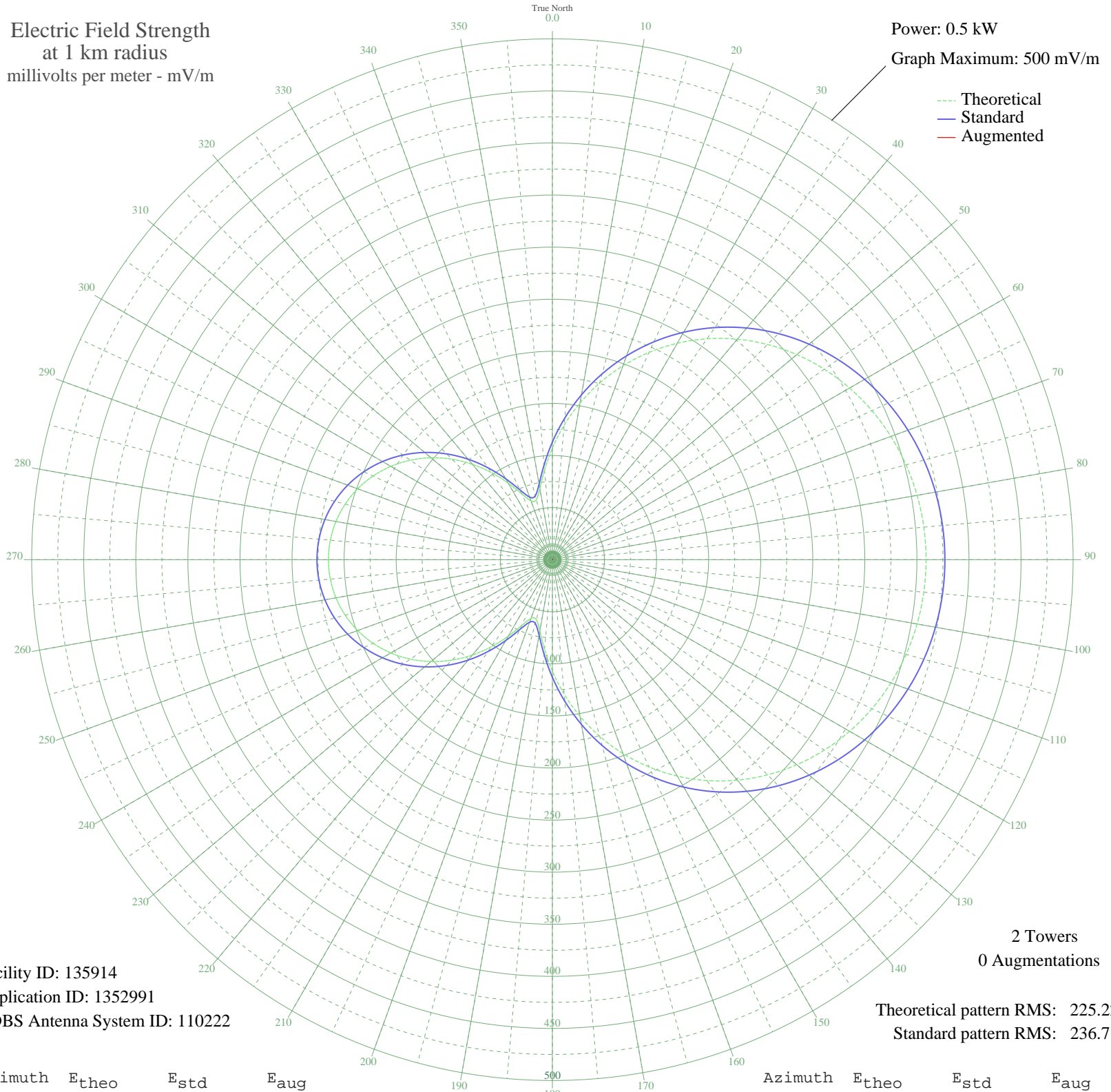


# WIWA ST. CLOUD, FL BP-20091002AAU 1160 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 135914  
Application ID: 1352991  
CDBS Antenna System ID: 110222

2 Towers  
0 Augmentations

Theoretical pattern RMS: 225.22  
Standard pattern RMS: 236.71

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	107.09	112.93	
5	129.56	136.45	
10	152.64	160.62	
15	175.63	184.71	
20	198.04	208.21	
25	219.54	230.76	
30	239.87	252.08	
35	258.83	271.98	
40	276.29	290.29	
45	292.13	306.92	
50	306.30	321.79	
55	318.76	334.87	
60	329.51	346.14	
65	338.54	355.62	
70	345.88	363.33	
75	351.56	369.28	
80	355.59	373.51	
85	358.00	376.04	
90	358.80	376.88	
95	358.00	376.04	
100	355.59	373.51	
105	351.56	369.28	
110	345.88	363.33	
115	338.54	355.62	
120	329.51	346.14	
125	318.76	334.87	
130	306.30	321.79	
135	292.13	306.92	
140	276.29	290.29	
145	258.83	271.98	
150	239.87	252.08	
155	219.54	230.76	
160	198.04	208.21	
165	175.63	184.71	
170	152.64	160.62	
175	129.56	136.45	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	107.09	112.93	
185	86.36	91.28	
190	69.40	73.63	
195	59.57	63.42	
200	59.99	63.86	
205	69.73	73.96	
210	84.79	89.65	
215	101.95	107.57	
220	119.46	125.87	
225	136.36	143.56	
230	152.14	160.09	
235	166.46	175.09	
240	179.12	188.36	
245	189.98	199.75	
250	198.95	209.16	
255	205.97	216.53	
260	211.01	221.81	
265	214.04	224.99	
270	215.06	226.05	
275	214.04	224.99	
280	211.01	221.81	
285	205.97	216.53	
290	198.95	209.16	
295	189.98	199.75	
300	179.12	188.36	
305	166.46	175.09	
310	152.14	160.09	
315	136.36	143.56	
320	119.46	125.87	
325	101.95	107.57	
330	84.79	89.65	
335	69.73	73.96	
340	59.99	63.86	
345	59.57	63.42	
350	69.40	73.63	
355	86.36	91.28	

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