

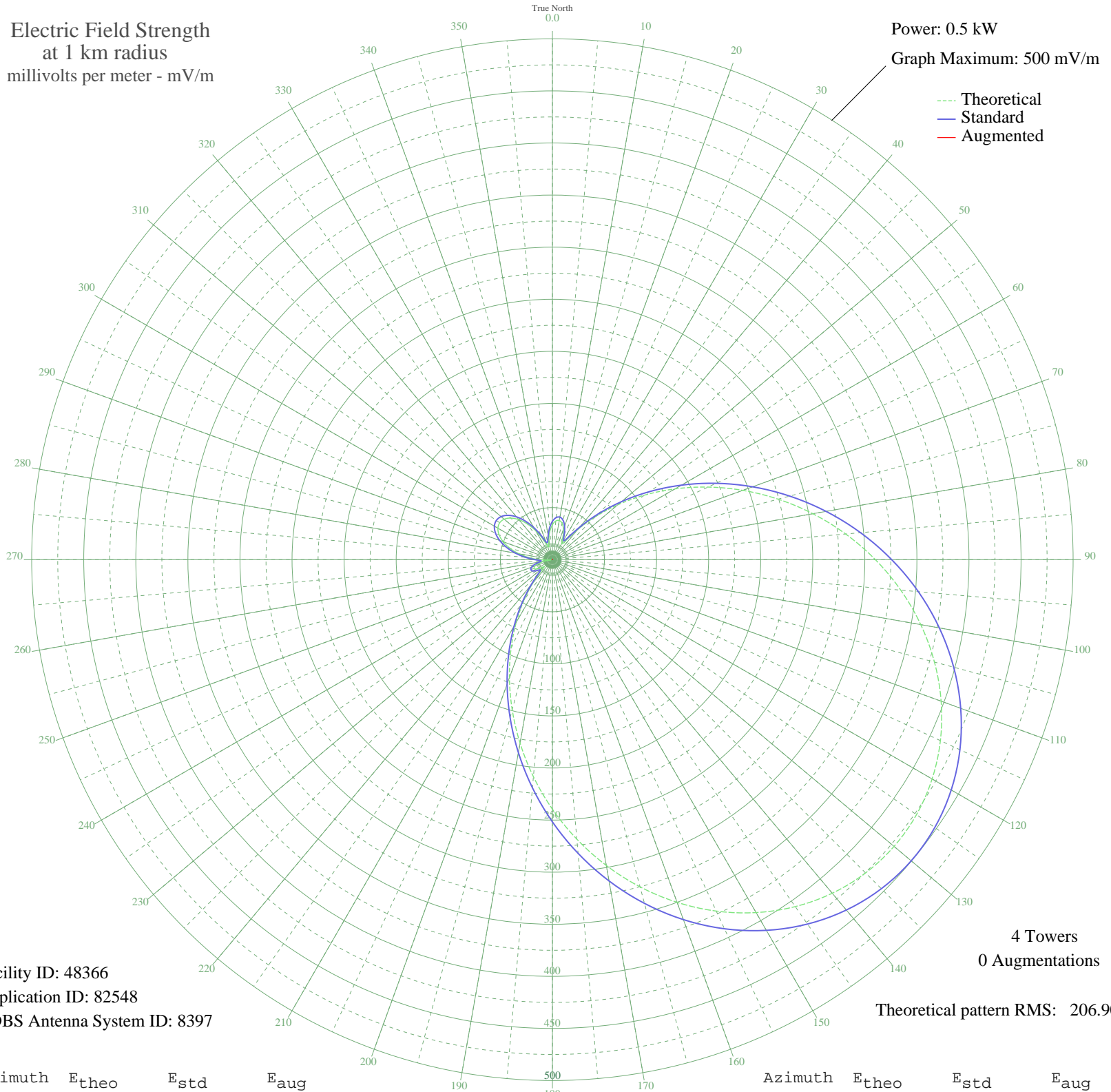
WHHW HILTON HEAD ISLAND, SC BL-19851015AJ 1130 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 48366  
Application ID: 82548  
CDBS Antenna System ID: 8397

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 206.90

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	33.52	36.72	
5	37.27	40.52	
10	38.20	41.46	
15	36.06	39.29	
20	30.94	34.15	
25	23.63	26.94	
30	17.63	21.28	
35	22.05	25.42	
40	37.37	40.62	
45	58.02	61.82	
50	81.86	86.60	
55	108.01	113.90	
60	135.86	143.04	
65	164.87	173.43	
70	194.55	204.55	
75	224.41	235.86	
80	253.95	266.86	
85	282.70	297.02	
90	310.14	325.82	
95	335.79	352.74	
100	359.17	377.27	
105	379.79	398.92	
110	397.23	417.22	
115	411.08	431.76	
120	421.02	442.19	
125	426.79	448.25	
130	428.24	449.77	
135	425.30	446.69	
140	418.03	439.06	
145	406.58	427.04	
150	391.20	410.89	
155	372.22	390.97	
160	350.05	367.71	
165	325.17	341.59	
170	298.08	313.17	
175	269.34	283.00	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	239.50	251.70	
185	209.14	219.85	
190	178.83	188.07	
195	149.15	156.95	
200	120.64	127.10	
205	93.84	99.09	
210	69.29	73.51	
215	47.49	50.95	
220	29.06	32.27	
225	15.25	19.15	
230	10.30	15.07	
235	14.21	18.25	
240	18.13	21.74	
245	19.40	22.91	
250	17.72	21.36	
255	13.29	17.47	
260	6.58	12.57	
265	2.56	10.84	
270	12.08	16.47	
275	22.43	25.79	
280	32.69	35.90	
285	42.18	45.52	
290	50.30	53.85	
295	56.51	60.26	
300	60.42	64.31	
305	61.76	65.69	
310	60.42	64.30	
315	56.46	60.20	
320	50.11	53.65	
325	41.79	45.12	
330	32.14	35.34	
335	22.16	25.53	
340	14.19	18.23	
345	13.57	17.70	
350	19.97	23.45	
355	27.43	30.66	

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