

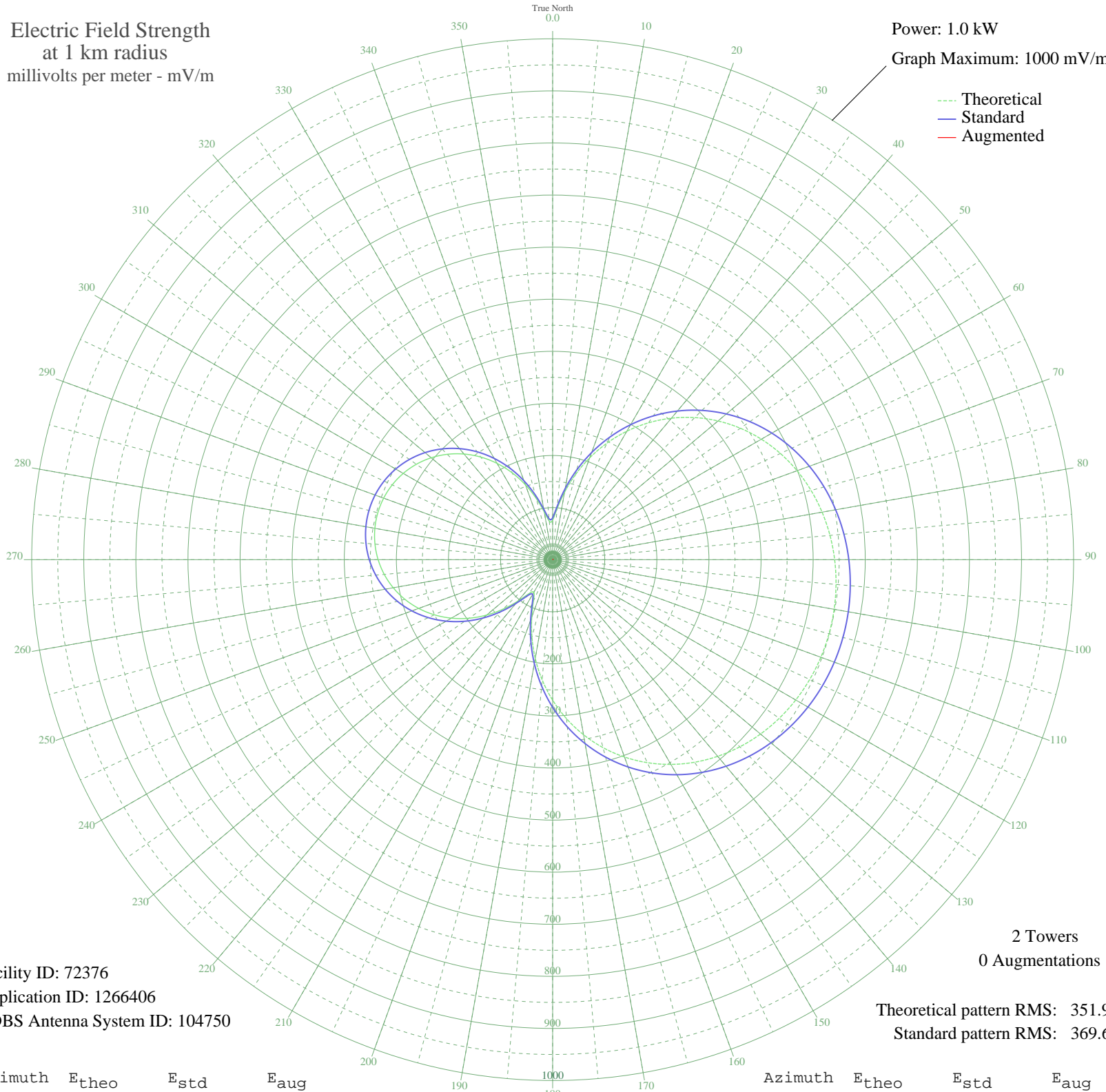
WTMA CHARLESTON, SC BP-20080923AEG 1250 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 72376
Application ID: 1266406
CDBS Antenna System ID: 104750

2 Towers
0 Augmentations

Theoretical pattern RMS: 351.90
Standard pattern RMS: 369.60

Azimuth	E _{theo}	E _{std}	E _{aug}
0	75.69	80.38	
5	98.10	103.71	
10	131.45	138.55	
15	169.12	177.98	
20	208.13	218.87	
25	246.97	259.60	
30	284.72	299.20	
35	320.72	336.98	
40	354.53	372.45	
45	385.79	405.26	
50	414.30	435.18	
55	439.92	462.07	
60	462.60	485.88	
65	482.38	506.64	
70	499.32	524.42	
75	513.54	539.35	
80	525.19	551.58	
85	534.39	561.24	
90	541.31	568.50	
95	546.04	573.47	
100	548.68	576.24	
105	549.29	576.88	
110	547.87	575.39	
115	544.40	571.75	
120	538.81	565.88	
125	530.99	557.67	
130	520.83	547.00	
135	508.17	533.72	
140	492.88	517.66	
145	474.81	498.70	
150	453.88	476.73	
155	430.02	451.68	
160	403.24	423.57	
165	373.61	392.47	
170	341.30	358.56	
175	306.56	322.12	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	269.80	283.55	
185	231.52	243.40	
190	192.48	202.46	
195	153.77	161.91	
200	117.33	123.79	
205	87.27	92.43	
210	72.16	76.73	
215	79.84	84.70	
220	103.87	109.73	
225	134.11	141.33	
230	165.54	174.23	
235	196.02	206.18	
240	224.54	236.07	
245	250.52	263.33	
250	273.66	287.59	
255	293.75	308.68	
260	310.71	326.47	
265	324.47	340.90	
270	335.02	351.98	
275	342.36	359.68	
280	346.51	364.03	
285	347.46	365.04	
290	345.23	362.69	
295	339.81	357.00	
300	331.18	347.95	
305	319.35	335.53	
310	304.31	319.75	
315	286.09	300.64	
320	264.76	278.26	
325	240.46	252.77	
330	213.41	224.40	
335	184.02	193.60	
340	153.00	161.10	
345	121.68	128.34	
350	93.06	98.46	
355	74.14	78.78	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission