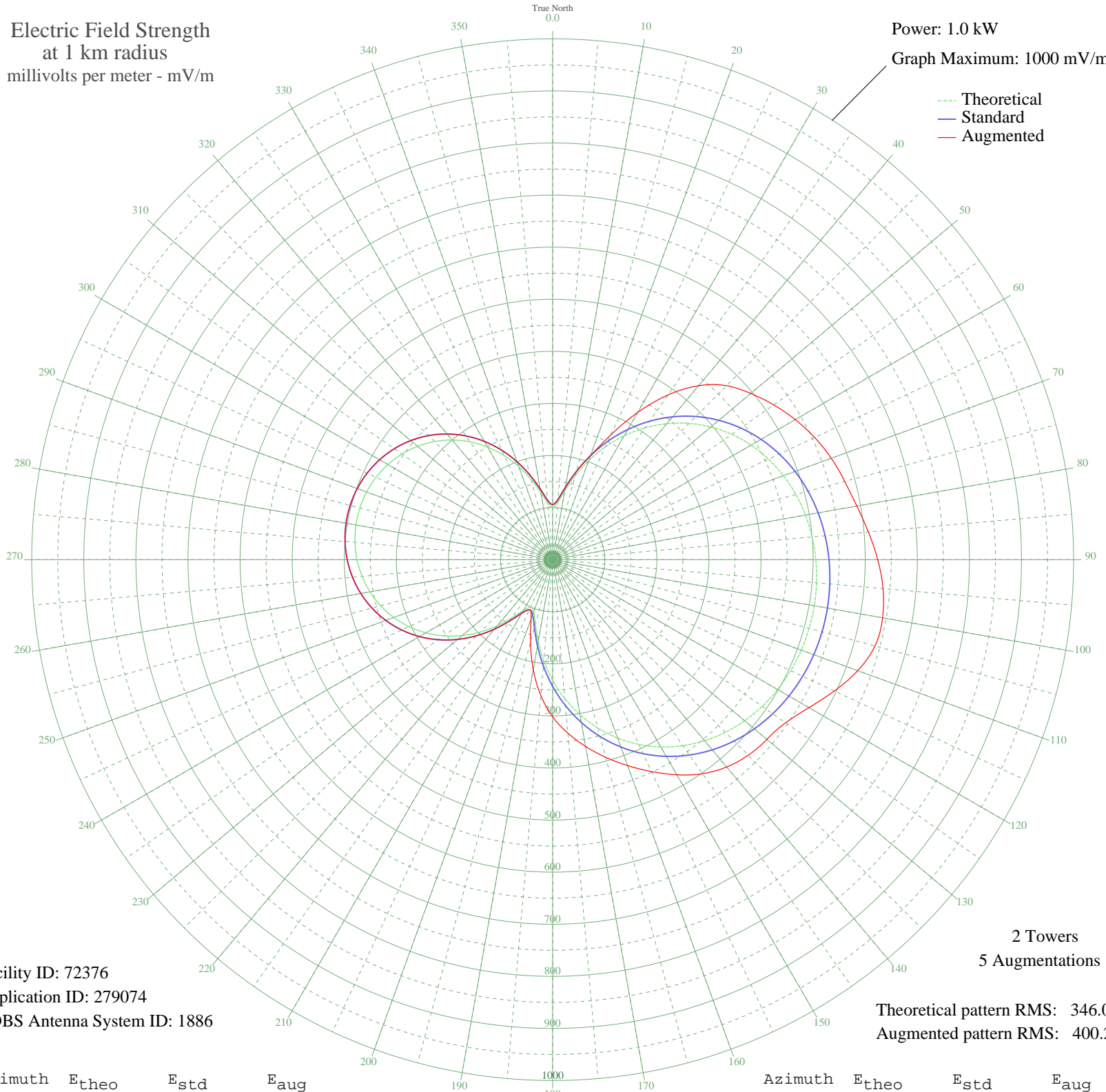


WTMA CHARLESTON, SC BL-19981217AE 1250 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 72376  
Application ID: 279074  
CDBS Antenna System ID: 1886

2 Towers  
5 Augmentations

Theoretical pattern RMS: 346.01  
Augmented pattern RMS: 400.28

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	100.20	105.75	105.75
5	109.77	115.76	115.76
10	134.04	141.15	141.15
15	166.37	175.01	175.01
20	202.12	212.50	212.64
25	238.71	250.87	264.40
30	274.59	288.52	326.36
35	308.82	324.44	386.04
40	340.77	357.97	436.01
45	370.01	388.66	472.37
50	396.31	416.27	496.47
55	419.57	440.68	518.09
60	439.78	461.89	537.75
65	457.03	480.00	554.91
70	471.47	495.16	569.17
75	483.29	507.57	580.38
80	492.71	517.45	592.90
85	499.91	525.02	608.43
90	505.09	530.46	624.08
95	508.41	533.93	636.55
100	509.95	535.56	643.13
105	509.78	535.38	640.59
110	507.89	533.39	623.27
115	504.21	529.53	596.70
120	498.64	523.68	568.10
125	491.01	515.67	545.95
130	481.13	505.30	536.82
135	468.80	492.36	531.05
140	453.81	476.62	519.66
145	435.98	457.90	501.71
150	415.16	436.05	476.89
155	391.30	411.00	448.88
160	364.39	382.76	420.79
165	334.58	351.48	392.73
170	302.14	317.43	364.14
175	267.52	281.10	334.26

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	231.41	243.21	301.66
185	194.84	204.87	261.50
190	159.52	167.83	214.41
195	128.35	135.19	164.39
200	106.47	112.30	121.37
205	100.51	106.07	106.07
210	112.37	118.48	118.48
215	136.28	143.49	143.49
220	165.61	174.22	174.22
225	196.40	206.50	206.50
230	226.57	238.14	238.14
235	254.97	267.94	267.94
240	280.97	295.22	295.22
245	304.21	319.60	319.60
250	324.50	340.89	340.89
255	341.76	359.00	359.00
260	355.98	373.93	373.93
265	367.20	385.71	385.71
270	375.48	394.40	394.40
275	380.87	400.05	400.05
280	383.41	402.72	402.72
285	383.12	402.42	402.42
290	380.02	399.16	399.16
295	374.06	392.90	392.90
300	365.19	383.60	383.60
305	353.38	371.20	371.20
310	338.55	355.64	355.64
315	320.68	336.89	336.89
320	299.80	314.97	314.97
325	275.99	289.98	289.98
330	249.47	262.16	262.16
335	220.65	231.93	231.93
340	190.25	200.05	200.05
345	159.53	167.85	167.85
350	130.89	137.85	137.85
355	108.79	114.73	114.73