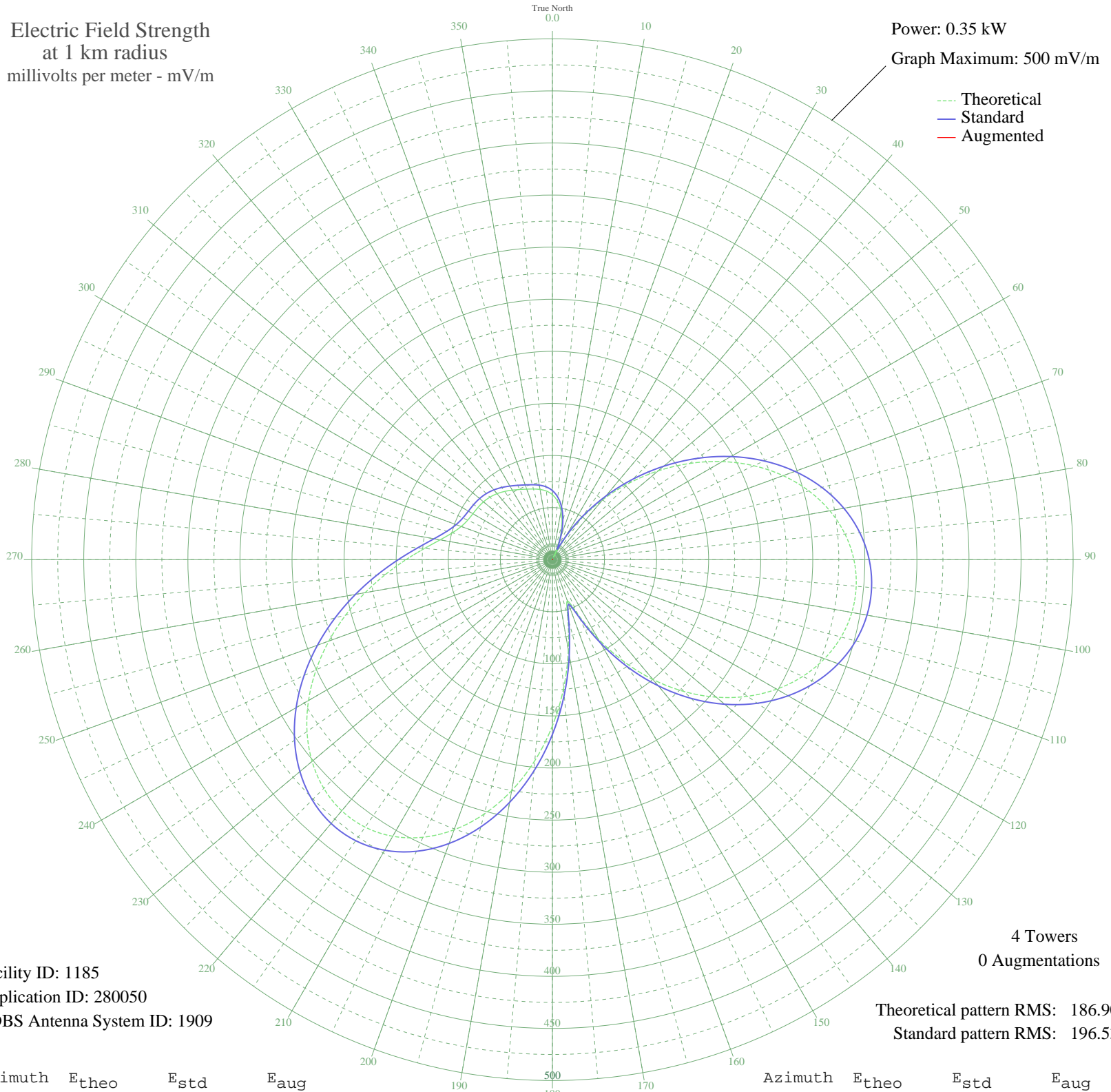


WHIM APOPKA, FL BL-19990120DE 1520 kHz

Nighttime

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

Power: 0.35 kW
Graph Maximum: 500 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 1185
Application ID: 280050
CDBS Antenna System ID: 1909

4 Towers
0 Augmentations

Theoretical pattern RMS: 186.90
Standard pattern RMS: 196.53

Azimuth	E _{theo}	E _{std}	E _{aug}
0	62.35	66.31	
5	56.40	60.14	
10	47.56	51.03	
15	35.37	38.60	
20	19.67	23.17	
25	2.63	10.86	
30	22.52	25.87	
35	47.71	51.19	
40	75.02	79.47	
45	103.59	109.28	
50	132.57	139.60	
55	161.07	169.45	
60	188.27	197.96	
65	213.40	224.31	
70	235.80	247.82	
75	254.96	267.92	
80	270.47	284.19	
85	282.05	296.34	
90	289.53	304.18	
95	292.83	307.65	
100	291.96	306.74	
105	286.99	301.52	
110	278.02	292.11	
115	265.20	278.66	
120	248.68	261.33	
125	228.67	240.33	
130	205.38	215.90	
135	179.08	188.33	
140	150.15	158.01	
145	119.19	125.59	
150	87.34	92.30	
155	57.79	61.58	
160	42.13	45.47	
165	56.79	60.54	
170	88.24	93.25	
175	123.79	130.41	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	159.53	167.83	
185	193.68	203.64	
190	225.08	236.56	
195	252.75	265.60	
200	275.94	289.92	
205	294.02	308.90	
210	306.60	322.10	
215	313.48	329.32	
220	314.68	330.59	
225	310.46	326.15	
230	301.25	316.48	
235	287.65	302.21	
240	270.40	284.12	
245	250.36	263.08	
250	228.41	240.06	
255	205.51	216.04	
260	182.60	192.02	
265	160.66	169.02	
270	140.60	148.00	
275	123.31	129.90	
280	109.49	115.44	
285	99.50	105.00	
290	93.16	98.38	
295	89.74	94.81	
300	88.15	93.15	
305	87.29	92.25	
310	86.35	91.27	
315	84.85	89.71	
320	82.67	87.43	
325	79.96	84.61	
330	77.05	81.58	
335	74.32	78.74	
340	72.04	76.37	
345	70.20	74.45	
350	68.44	72.62	
355	66.10	70.19	

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission