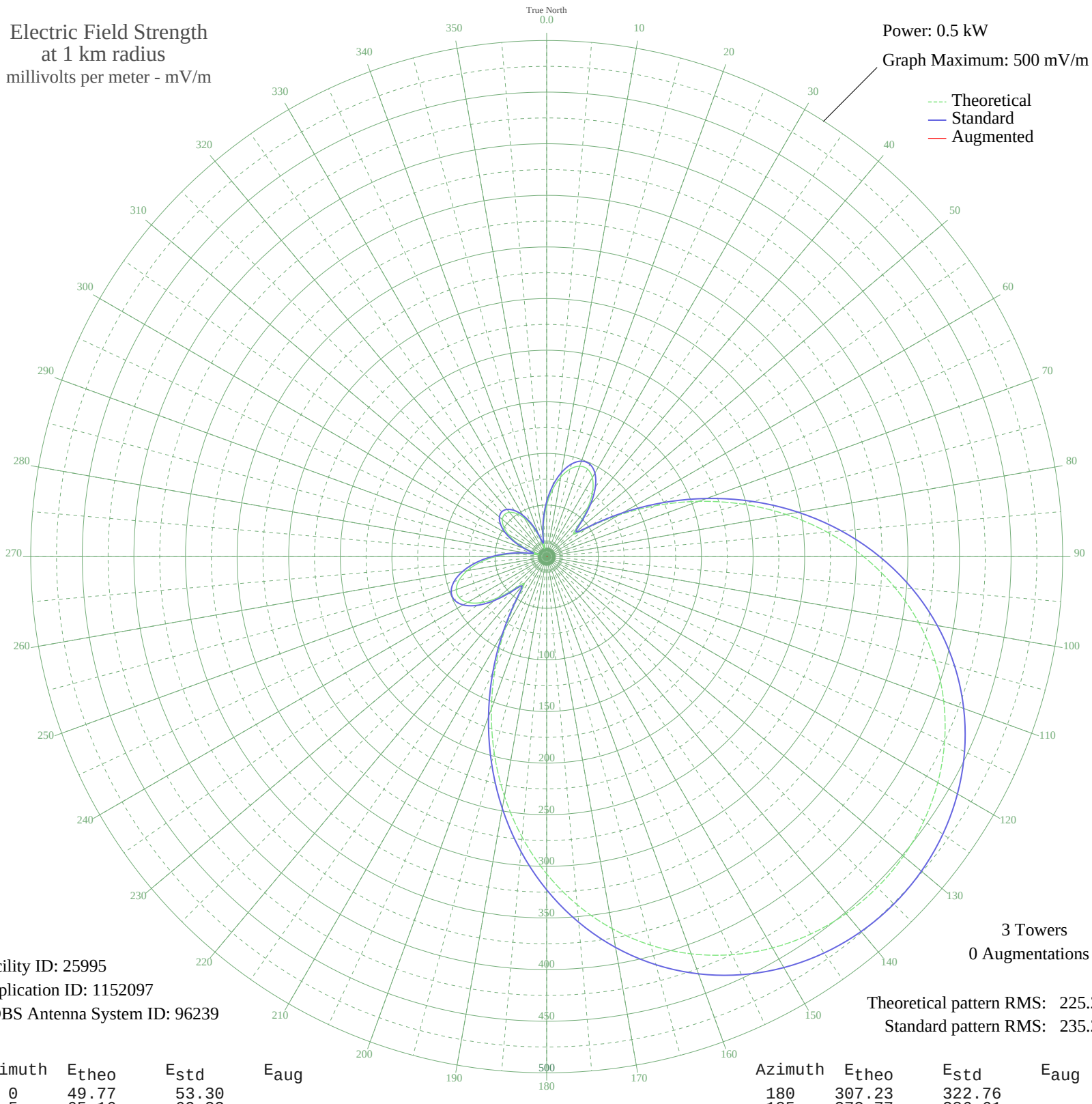
WPWC DUMFRIES-TRIANGLE, VA BL-20060914ADO 1480 kHz

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

3 Towers
0 Augmentations

Facility ID: 25995
Application ID: 1152097
CDBS Antenna System ID: 96239

Theoretical pattern RMS: 225.26
Standard pattern RMS: 235.21

Azimuth	E_{theo}	E_{std}	E_{aug}
0	49.77	53.30	
5	65.16	69.22	
10	78.20	82.78	
15	87.87	92.86	
20	93.26	98.48	
25	93.61	98.85	
30	88.44	93.45	
35	77.68	82.24	
40	61.97	65.91	
45	43.90	47.28	
50	33.90	37.11	
55	48.87	52.37	
60	80.06	84.71	
65	117.18	123.49	
70	156.64	164.80	
75	196.56	206.66	
80	235.62	247.62	
85	272.77	286.61	
90	307.23	322.76	
95	338.41	355.48	
100	365.94	384.38	
105	389.64	409.25	
110	409.44	430.04	
115	425.40	446.80	
120	437.62	459.62	
125	446.23	468.66	
130	451.35	474.03	
135	453.04	475.81	
140	451.35	474.03	
145	446.23	468.66	
150	437.62	459.62	
155	425.40	446.80	
160	409.44	430.04	
165	389.64	409.25	
170	365.94	384.38	
175	338.41	355.48	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	307.23	322.76	
185	272.77	286.61	
190	235.62	247.62	
195	196.56	206.66	
200	156.64	164.80	
205	117.18	123.49	
210	80.06	84.71	
215	48.87	52.37	
220	33.90	37.11	
225	43.90	47.28	
230	61.97	65.91	
235	77.68	82.24	
240	88.44	93.45	
245	93.61	98.85	
250	93.26	98.48	
255	87.87	92.86	
260	78.20	82.78	
265	65.16	69.22	
270	49.77	53.30	
275	33.15	36.36	
280	16.76	20.49	
285	7.84	13.34	
290	19.06	22.60	
295	32.01	35.21	
300	42.90	46.25	
305	51.02	54.59	
310	56.02	59.75	
315	57.71	61.50	
320	56.02	59.75	
325	51.02	54.59	
330	42.90	46.25	
335	32.01	35.21	
340	19.06	22.60	
345	7.84	13.34	
350	16.76	20.49	
355	33.15	36.36	

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