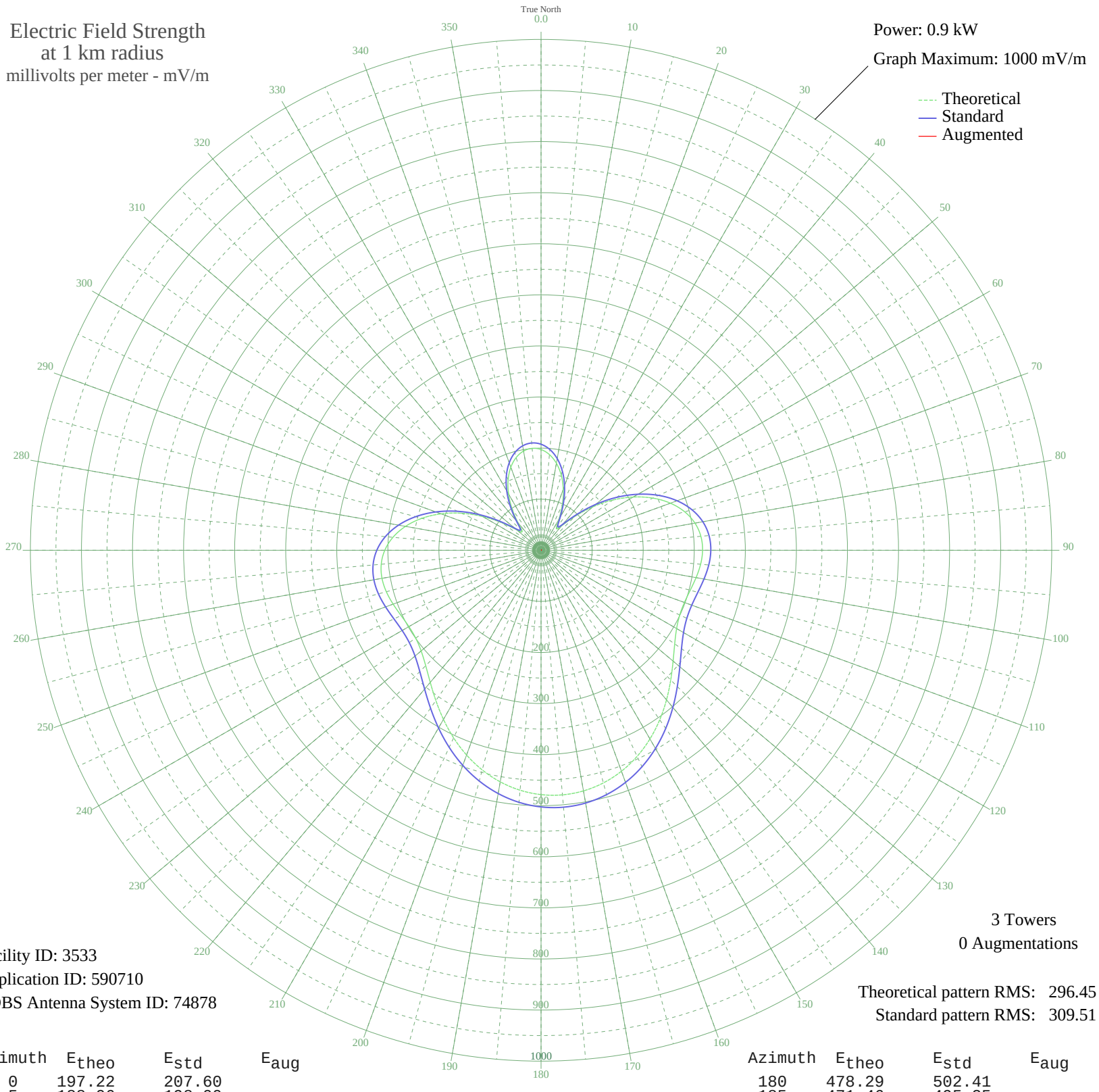
WTJZ NEWPORT NEWS, VA BL-20011130AGD 1270 kHz

Nighttime

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



Power: 0.9 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 3533
Application ID: 590710
CDBS Antenna System ID: 74878

Theoretical pattern RMS: 296.45
Standard pattern RMS: 309.51

Azimuth	E_{theo}	E_{std}	E_{aug}
0	197.22	207.60	
5	188.06	198.00	
10	173.02	182.25	
15	152.50	160.79	
20	127.24	134.40	
25	98.65	104.60	
30	70.12	75.06	
35	52.06	56.58	
40	62.19	66.91	
45	93.82	99.59	
50	132.22	139.60	
55	171.39	180.55	
60	208.51	219.42	
65	241.70	254.21	
70	269.58	283.43	
75	291.18	306.09	
80	306.03	321.66	
85	314.17	330.20	
90	316.28	332.42	
95	313.66	329.67	
100	308.23	323.98	
105	302.41	317.86	
110	298.79	314.07	
115	299.68	315.01	
120	306.52	322.17	
125	319.46	335.76	
130	337.55	354.73	
135	359.09	377.33	
140	382.20	401.58	
145	405.14	425.64	
150	426.47	448.03	
155	445.12	467.60	
160	460.29	483.53	
165	471.46	495.25	
170	478.29	502.41	
175	480.58	504.82	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	478.29	502.41	
185	471.46	495.25	
190	460.30	483.53	
195	445.12	467.60	
200	426.47	448.03	
205	405.14	425.64	
210	382.20	401.58	
215	359.09	377.33	
220	337.55	354.73	
225	319.47	335.76	
230	306.52	322.17	
235	299.69	315.01	
240	298.79	314.07	
245	302.41	317.86	
250	308.23	323.98	
255	313.66	329.67	
260	316.28	332.42	
265	314.17	330.20	
270	306.03	321.66	
275	291.18	306.09	
280	269.58	283.43	
285	241.70	254.21	
290	208.51	219.42	
295	171.39	180.55	
300	132.22	139.60	
305	93.82	99.59	
310	62.19	66.91	
315	52.06	56.58	
320	70.11	75.06	
325	98.65	104.60	
330	127.24	134.40	
335	152.50	160.79	
340	173.02	182.25	
345	188.06	198.00	
350	197.22	207.60	
355	200.30	210.82	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission