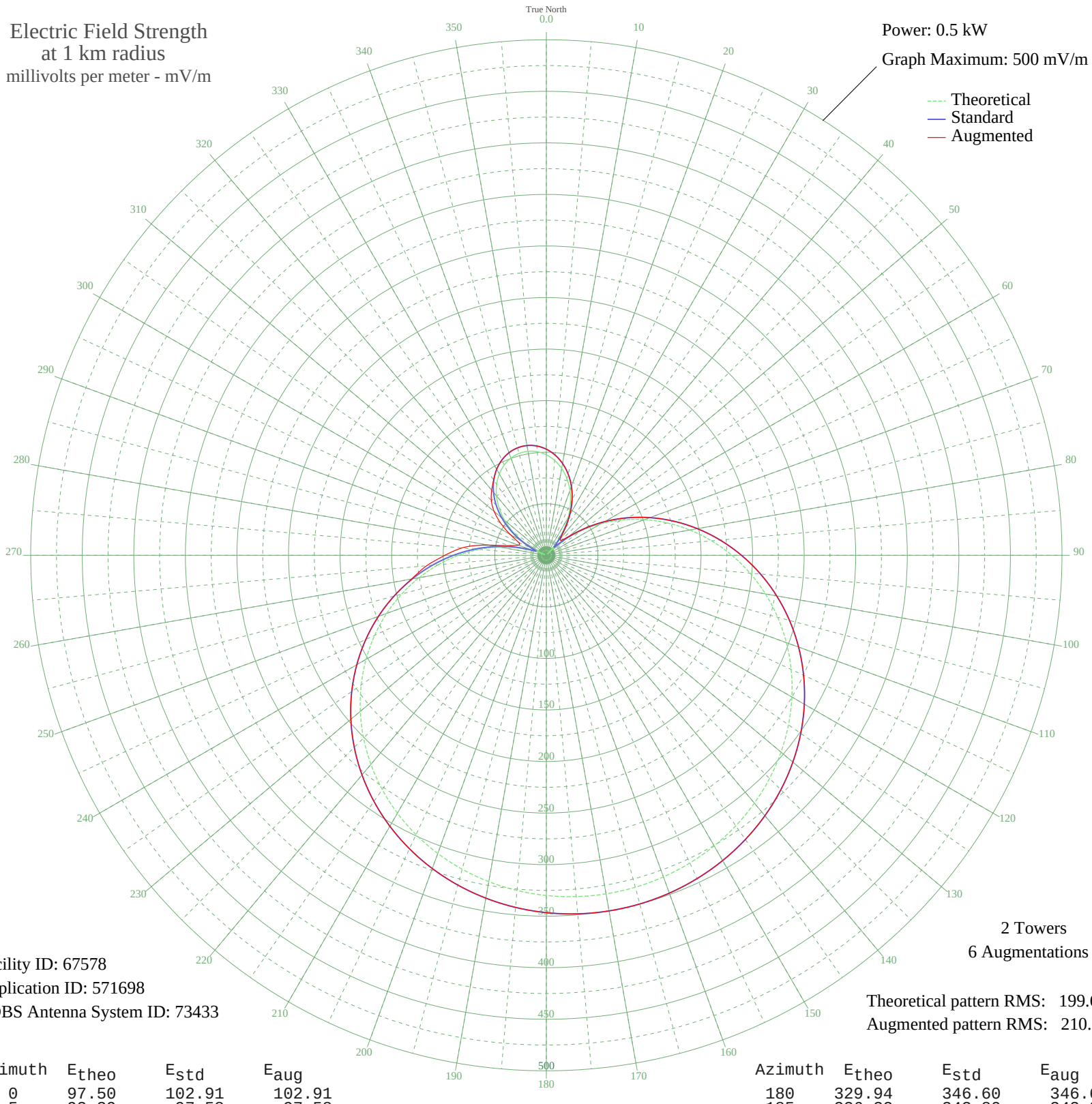
WDDZ PAWTUCKET, RI BL-20010619AAU 550 kHz

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

2 Towers
6 Augmentations

Facility ID: 67578
Application ID: 571698
CDBS Antenna System ID: 73433

Theoretical pattern RMS: 199.60
Augmented pattern RMS: 210.22

Azimuth	E_{theo}	E_{std}	E_{aug}
0	97.50	102.91	102.91
5	92.39	97.58	97.58
10	85.57	90.46	90.46
15	77.07	81.61	81.61
20	66.95	71.07	71.07
25	55.25	58.96	58.96
30	42.08	45.41	45.41
35	27.52	30.75	30.98
40	11.70	16.16	21.44
45	5.26	11.86	20.62
50	23.20	26.52	28.58
55	41.95	45.28	45.28
60	61.33	65.25	65.25
65	81.16	85.86	85.86
70	101.23	106.81	106.81
75	121.33	127.83	127.83
80	141.28	148.71	148.71
85	160.87	169.24	169.24
90	179.92	189.21	189.21
95	198.27	208.45	208.45
100	215.77	226.80	226.80
105	232.28	244.12	244.12
110	247.69	260.29	260.29
115	261.93	275.22	275.22
120	274.92	288.86	288.86
125	286.63	301.14	301.14
130	297.02	312.05	312.05
135	306.09	321.57	321.57
140	313.85	329.71	329.71
145	320.29	336.47	336.47
150	325.44	341.88	341.88
155	329.32	345.95	345.95
160	331.93	348.69	348.69
165	333.30	350.12	350.12
170	333.42	350.25	350.25
175	332.31	349.08	349.08

Azimuth	E_{theo}	E_{std}	E_{aug}
180	329.94	346.60	346.60
185	326.32	342.80	342.80
190	321.43	337.66	337.66
195	315.24	331.17	331.17
200	307.75	323.31	323.31
205	298.94	314.06	314.06
210	288.81	303.43	303.43
215	277.36	291.42	291.42
220	264.63	278.06	278.06
225	250.63	263.38	263.38
230	235.45	247.44	247.44
235	219.15	230.35	230.35
240	201.85	212.20	212.20
245	183.66	193.12	193.12
250	164.73	173.28	173.28
255	145.23	152.85	152.85
260	125.34	132.03	132.70
265	105.25	111.01	116.57
270	85.16	90.03	98.37
275	65.27	69.33	82.08
280	45.78	49.21	56.99
285	26.89	30.12	36.28
290	8.77	13.97	28.83
295	8.39	13.71	29.70
300	24.45	27.74	40.45
305	39.28	42.55	53.78
310	52.73	56.36	65.98
315	64.73	68.77	75.40
320	75.18	79.63	82.46
325	84.01	88.83	89.16
330	91.17	96.30	96.30
335	96.61	101.99	101.99
340	100.32	105.86	105.86
345	102.27	107.89	107.89
350	102.44	108.08	108.08
355	100.85	106.41	106.41

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission