

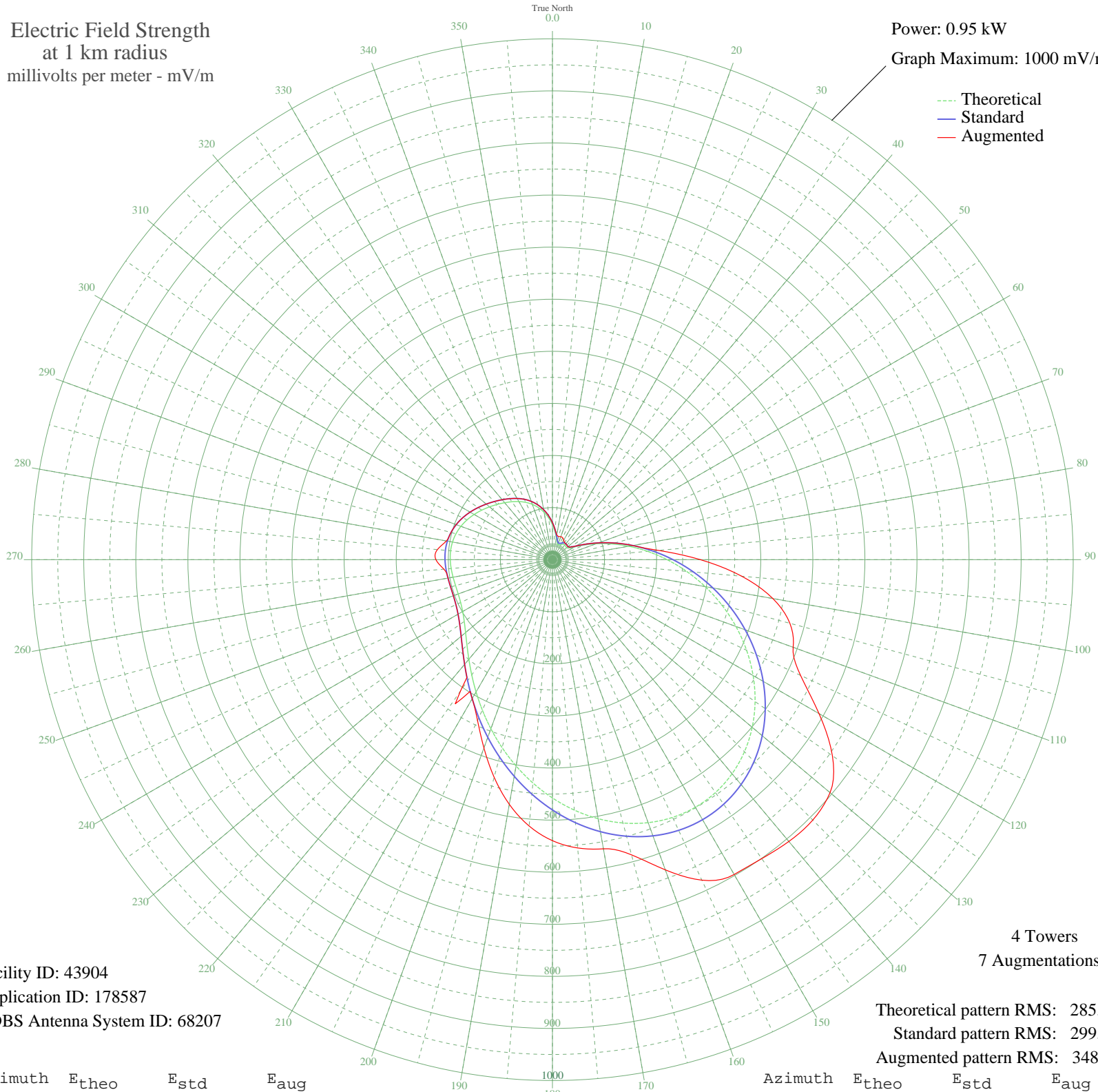
WWJZ MOUNT HOLLY, NJ BL-19921110AA 640 kHz

Nighttime

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

Power: 0.95 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 43904
Application ID: 178587
CDBS Antenna System ID: 68207

4 Towers
7 Augmentations

Theoretical pattern RMS: 285.20
Standard pattern RMS: 299.60
Augmented pattern RMS: 348.34

Azimuth	E _{theo}	E _{std}	E _{aug}
0	67.04	71.17	71.17
5	54.20	57.87	57.87
10	42.72	46.07	48.46
15	34.33	37.54	46.09
20	30.62	33.83	46.89
25	31.29	34.49	46.38
30	33.87	37.08	43.44
35	36.04	39.27	40.35
40	36.72	39.96	39.96
45	36.05	39.28	39.28
50	35.71	38.93	38.93
55	39.00	42.28	42.28
60	49.02	52.53	52.53
65	66.17	70.26	70.26
70	89.27	94.32	94.32
75	117.11	123.41	123.41
80	148.75	156.54	156.54
85	183.39	192.85	204.20
90	220.30	231.55	284.10
95	258.71	271.85	364.90
100	297.85	312.92	429.76
105	336.91	353.91	472.00
110	375.03	393.92	491.88
115	411.34	432.03	525.66
120	444.95	467.32	591.05
125	475.02	498.89	656.26
130	500.76	525.90	695.90
135	521.47	547.65	707.01
140	536.61	563.54	706.26
145	545.81	573.20	700.76
150	548.92	576.46	697.90
155	546.00	573.40	678.91
160	537.34	564.30	633.75
165	523.43	549.70	586.73
170	504.94	530.29	563.69
175	482.68	506.92	555.61

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.

03 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	457.52	480.51	539.51
185	430.36	452.00	513.33
190	402.11	422.34	476.94
195	373.57	392.39	432.51
200	345.50	362.93	384.68
205	318.55	334.64	340.48
210	293.28	308.13	308.13
215	270.19	283.89	307.75
220	249.67	262.37	262.37
225	232.10	243.93	243.93
230	217.74	228.86	228.86
235	206.74	217.33	217.33
240	199.08	209.30	209.30
245	194.52	204.52	204.52
250	192.58	202.48	202.48
255	192.57	202.47	202.47
260	193.71	203.66	203.66
265	195.18	205.20	209.33
270	196.24	206.32	223.78
275	196.28	206.36	221.75
280	194.87	204.88	206.81
285	191.80	201.66	201.66
290	187.06	196.69	196.69
295	180.86	190.19	190.19
300	173.58	182.56	182.56
305	165.70	174.30	174.30
310	157.71	165.92	165.92
315	149.99	157.84	157.84
320	142.70	150.20	150.20
325	135.75	142.93	142.93
330	128.80	135.65	135.65
335	121.36	127.86	127.86
340	112.97	119.09	119.09
345	103.30	108.98	108.98
350	92.25	97.43	97.43
355	80.00	84.65	84.65