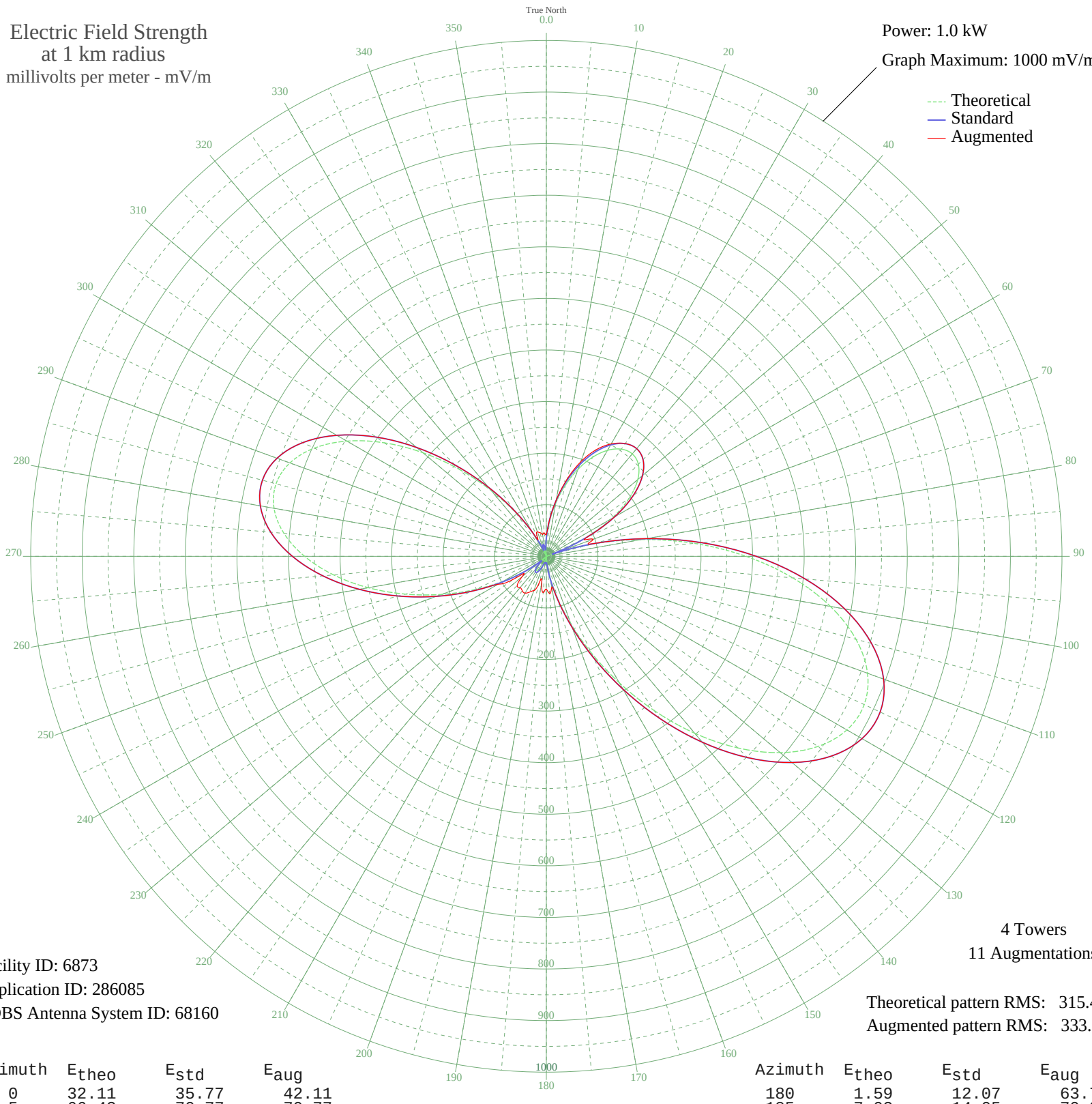
WVTS CHARLESTON, WV BL-19990610DC 950 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

4 Towers
11 Augmentations

Facility ID: 6873
Application ID: 286085
CDBS Antenna System ID: 68160

Theoretical pattern RMS: 315.43
Augmented pattern RMS: 333.21

Azimuth	E_{theo}	E_{std}	E_{aug}
0	32.11	35.77	42.11
5	66.43	70.77	70.77
10	104.36	110.22	110.73
15	143.00	150.63	154.40
20	179.67	189.03	194.90
25	211.84	222.75	227.76
30	237.21	249.36	251.65
35	253.67	266.62	266.83
40	259.27	272.50	272.50
45	252.34	265.23	265.23
50	231.51	243.38	243.38
55	195.84	205.98	205.98
60	145.01	152.73	152.73
65	79.44	84.26	85.36
70	0.48	11.96	96.56
75	89.53	94.77	95.74
80	187.21	196.93	196.93
85	288.24	302.89	302.89
90	387.59	407.14	407.14
95	479.81	503.94	503.94
100	559.51	587.60	587.60
105	621.80	653.00	653.00
110	662.84	696.08	696.08
115	680.18	714.28	714.28
120	673.12	706.88	706.88
125	642.82	675.06	675.06
130	592.13	621.85	621.85
135	525.38	551.77	551.77
140	447.86	470.40	470.40
145	365.30	383.75	383.75
150	283.29	297.70	297.70
155	206.77	217.44	217.44
160	139.64	147.11	147.11
165	84.53	89.56	89.56
170	42.77	46.47	60.53
175	14.39	19.27	72.42

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1.59	12.07	63.70
185	7.03	14.05	70.81
190	4.33	12.79	51.63
195	3.76	12.59	53.02
200	14.37	19.25	70.81
205	24.64	28.50	76.44
210	31.87	35.53	82.40
215	33.60	37.25	81.51
220	27.72	31.46	79.15
225	12.55	17.79	79.95
230	13.01	18.15	61.51
235	49.41	53.24	75.89
240	96.30	101.82	108.28
245	152.46	160.53	160.53
250	215.72	226.82	226.82
255	283.03	297.43	297.43
260	350.59	368.31	368.31
265	414.05	434.91	434.91
270	468.89	492.47	492.47
275	510.82	536.50	536.50
280	536.27	563.21	563.21
285	542.74	570.01	570.01
290	529.25	555.84	555.84
295	496.45	521.41	521.41
300	446.65	469.13	469.13
305	383.65	403.01	403.01
310	312.31	328.15	328.15
315	238.10	250.29	250.29
320	166.47	175.21	175.21
325	102.34	108.12	108.12
330	49.64	53.47	53.47
335	11.03	16.64	41.71
340	12.22	17.53	50.62
345	20.14	24.29	47.40
350	13.93	18.89	42.76
355	4.35	12.79	45.61

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.

24 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission