

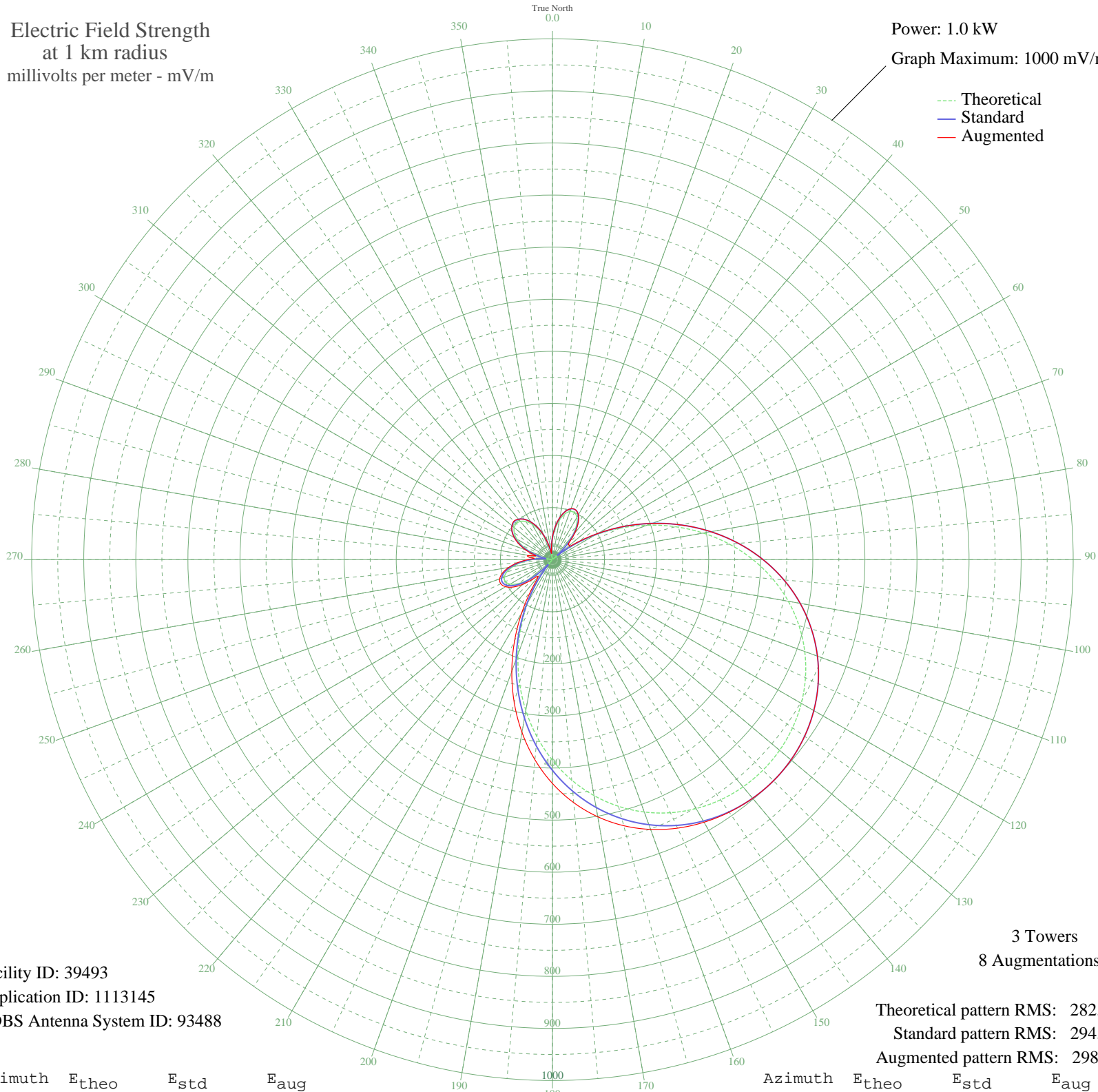
# WSVA HARRISONBURG, VA BML-20060123ALE 550 kHz

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



Facility ID: 39493  
Application ID: 1113145  
CDBS Antenna System ID: 93488

3 Towers  
8 Augmentations

Theoretical pattern RMS: 282.27  
Standard pattern RMS: 294.63  
Augmented pattern RMS: 298.98

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	39.30	42.96	42.96
5	59.75	63.86	63.86
10	77.24	81.98	81.98
15	90.51	95.78	95.78
20	98.33	103.93	103.93
25	99.68	105.35	105.35
30	93.78	99.19	99.22
35	80.18	85.03	85.98
40	58.77	62.85	66.38
45	29.86	33.55	43.87
50	5.87	13.43	42.07
55	47.42	51.20	56.99
60	93.51	98.91	100.58
65	142.71	150.32	150.57
70	193.50	203.53	203.53
75	244.41	256.91	256.91
80	294.06	308.99	308.99
85	341.27	358.53	358.53
90	385.09	404.52	404.52
95	424.80	446.20	446.20
100	459.94	483.08	483.08
105	490.23	514.88	514.88
110	515.60	541.51	541.51
115	536.08	563.01	563.01
120	551.78	579.50	579.50
125	562.86	591.13	591.13
130	569.45	598.04	598.04
135	571.63	600.33	600.33
140	569.45	598.04	598.04
145	562.86	591.13	591.80
150	551.79	579.50	582.14
155	536.08	563.01	568.73
160	515.60	541.51	551.12
165	490.23	514.88	528.79
170	459.94	483.08	501.29
175	424.80	446.20	468.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	385.09	404.52	429.69
185	341.27	358.53	385.67
190	294.06	308.99	336.75
195	244.41	256.91	283.76
200	193.50	203.53	228.21
205	142.71	150.32	172.17
210	93.51	98.91	118.02
215	47.42	51.20	69.99
220	5.87	13.43	42.59
225	29.86	33.55	51.83
230	58.77	62.85	72.96
235	80.18	85.03	91.48
240	93.78	99.19	103.88
245	99.68	105.35	109.44
250	98.33	103.93	107.82
255	90.51	95.78	99.27
260	77.24	81.98	85.10
265	59.75	63.86	67.07
270	39.30	42.96	47.81
275	17.21	21.66	36.51
280	5.28	13.16	45.53
285	27.04	30.80	37.68
290	47.08	50.85	54.47
295	64.56	68.83	70.73
300	78.82	83.62	84.50
305	89.36	94.58	94.87
310	95.82	101.31	101.33
315	97.99	103.58	104.61
320	95.82	101.31	101.31
325	89.36	94.58	94.58
330	78.82	83.62	83.62
335	64.56	68.83	68.83
340	47.08	50.85	50.85
345	27.04	30.80	30.80
350	5.28	13.16	13.16
355	17.21	21.66	21.66

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