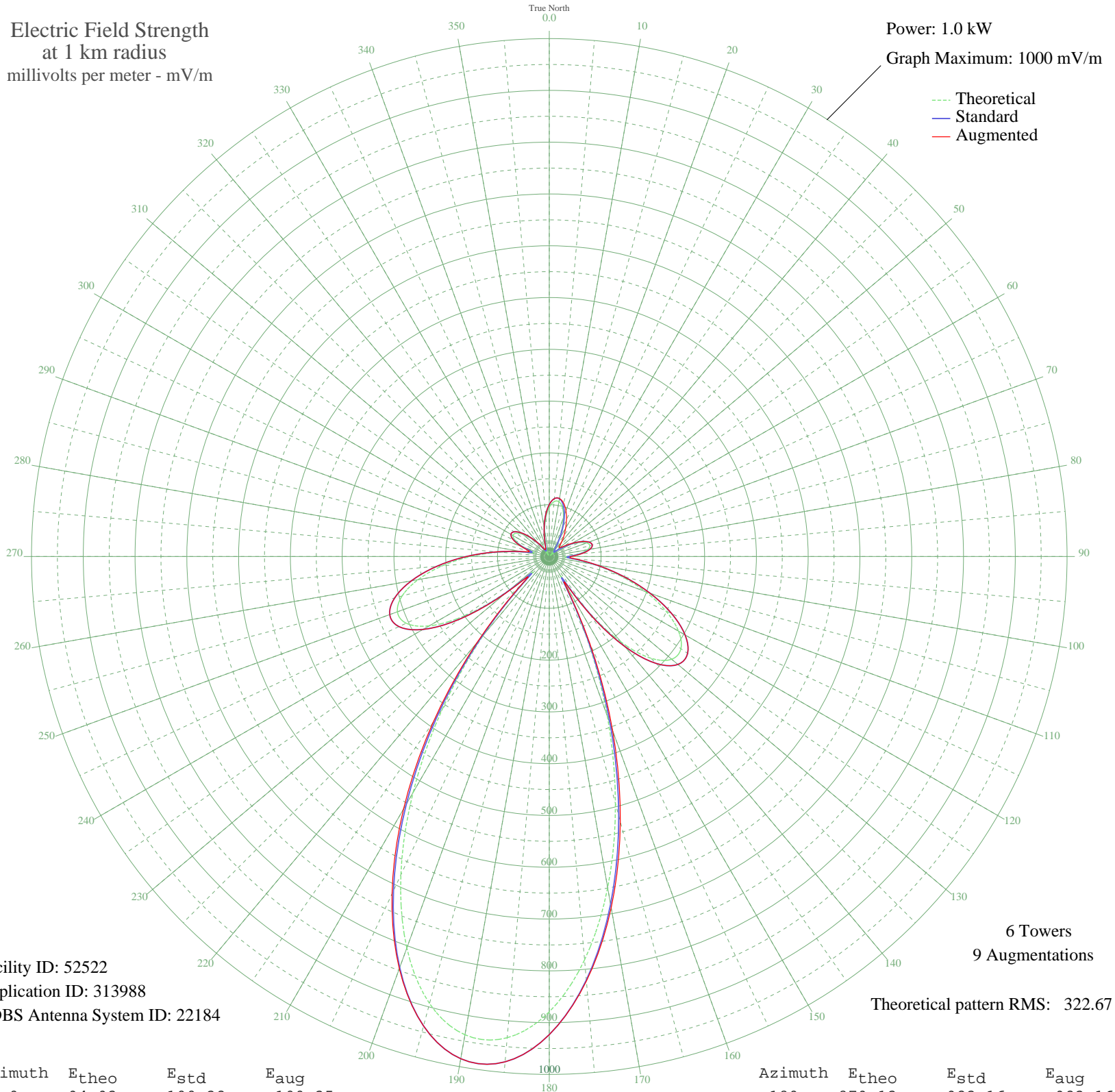


# WVOL BERRY HILL, TN BL-- 1470 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 52522  
Application ID: 313988  
CDBS Antenna System ID: 22184

6 Towers  
9 Augmentations  
Theoretical pattern RMS: 322.67

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	94.93	100.32	100.35
5	106.31	112.20	112.20
10	107.41	113.35	113.62
15	97.99	103.51	106.81
20	80.09	84.85	94.14
25	57.57	61.50	78.64
30	35.29	38.75	63.18
35	18.11	22.14	49.77
40	8.90	14.70	37.80
45	3.48	11.92	27.65
50	9.18	14.89	26.85
55	25.61	29.18	34.98
60	45.15	48.75	50.53
65	63.59	67.72	67.93
70	76.74	81.38	81.38
75	81.17	85.98	85.98
80	74.68	79.23	79.61
85	57.06	60.98	62.97
90	34.19	37.65	42.60
95	41.17	44.69	48.74
100	85.63	90.62	91.75
105	140.48	147.94	148.06
110	196.78	206.93	206.93
115	248.16	260.82	260.82
120	288.21	302.83	302.83
125	310.40	326.12	326.12
130	308.62	324.25	324.25
135	277.92	292.04	292.04
140	215.52	226.58	227.11
145	122.69	129.33	132.09
150	43.43	46.99	56.33
155	166.11	174.78	185.31
160	327.65	344.22	357.67
165	493.54	518.34	530.04
170	649.36	681.92	688.63
175	781.76	820.93	822.79

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	879.13	923.16	923.16
185	932.74	979.44	979.44
190	937.70	984.65	984.65
195	893.58	938.32	938.38
200	804.38	844.67	846.84
205	678.12	712.12	718.58
210	525.96	552.38	563.03
215	360.98	379.20	391.46
220	197.30	207.47	217.66
225	57.48	61.41	69.58
230	101.40	107.07	110.85
235	199.20	209.47	210.39
240	267.99	281.62	281.68
245	304.89	320.33	320.33
250	312.11	327.91	327.91
255	294.25	309.17	309.17
260	257.25	270.35	270.35
265	207.60	218.27	218.27
270	151.77	159.76	159.81
275	96.07	101.51	102.35
280	48.24	51.91	55.31
285	31.13	34.60	40.25
290	52.37	56.15	58.72
295	71.95	76.40	77.01
300	80.76	85.56	85.56
305	78.41	83.11	83.15
310	66.78	71.03	71.17
315	49.10	52.79	53.19
320	29.47	32.95	33.93
325	12.13	17.06	19.38
330	2.71	11.70	15.26
335	7.46	13.79	16.95
340	15.32	19.68	21.79
345	31.08	34.55	35.54
350	52.78	56.57	56.98
355	75.71	80.30	80.45

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission