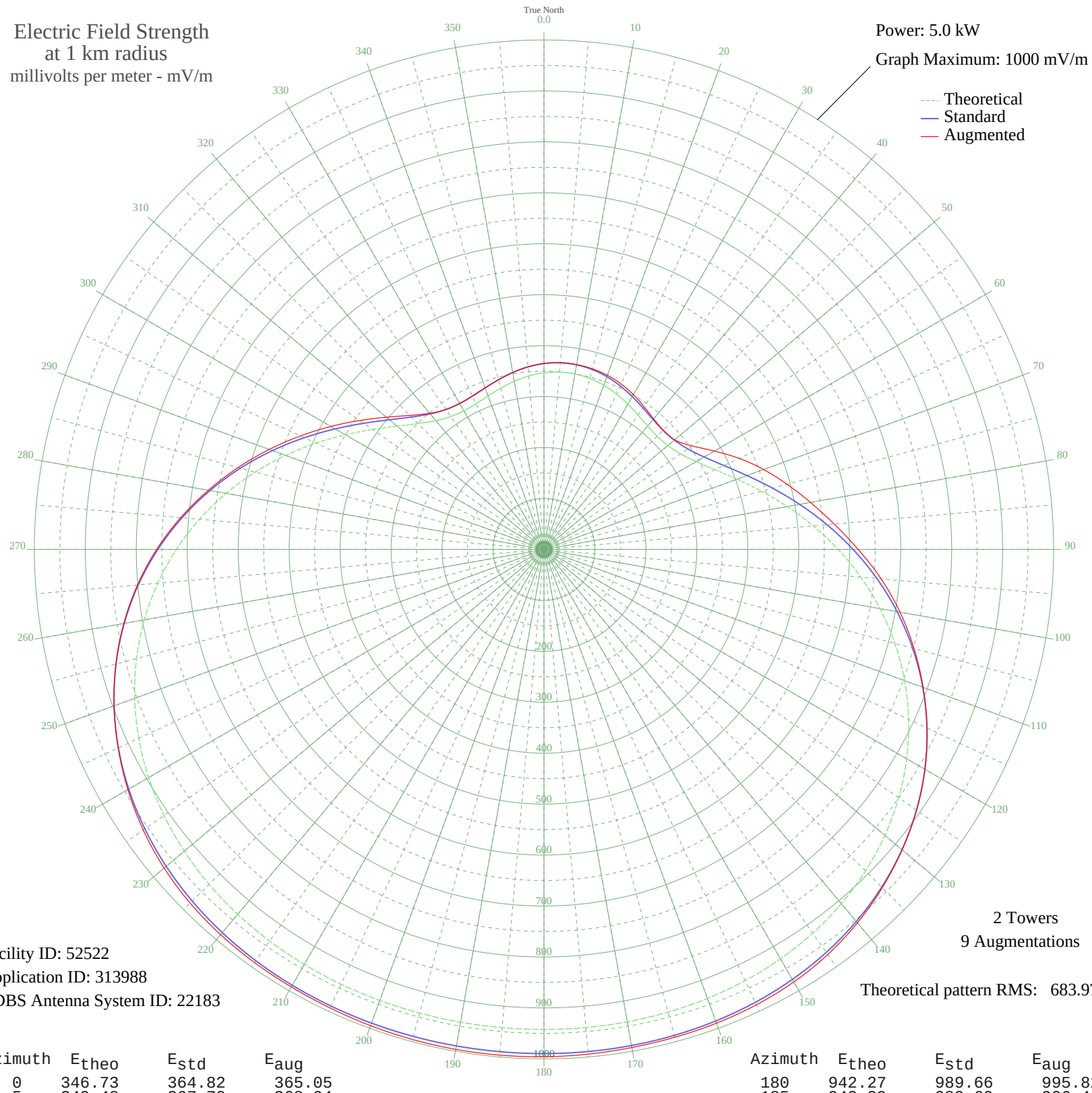
WVOL BERRY HILL, TN BL-- 1470 kHz

Daytime

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



Power: 5.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
9 Augmentations

Facility ID: 52522
Application ID: 313988
CDBS Antenna System ID: 22183

Theoretical pattern RMS: 683.97

Azimuth	E_{theo}	E_{std}	E_{aug}
0	346.73	364.82	365.05
5	349.48	367.70	368.04
10	349.73	367.97	368.42
15	347.47	365.59	367.03
20	342.90	360.81	363.80
25	336.53	354.13	358.36
30	329.15	346.41	350.84
35	321.91	338.82	342.20
40	316.30	332.94	334.58
45	314.10	330.64	330.90
50	317.17	333.86	334.79
55	327.11	344.26	354.33
60	344.83	362.83	386.19
65	370.42	389.64	422.75
70	403.14	423.95	458.66
75	441.73	464.41	493.97
80	484.66	509.44	531.10
85	530.36	557.37	571.62
90	577.32	606.64	616.56
95	624.18	655.81	664.30
100	669.74	703.62	709.50
105	712.99	749.00	751.81
110	753.11	791.12	791.70
115	789.50	829.31	829.31
120	821.75	863.15	863.15
125	849.64	892.43	892.43
130	873.15	917.11	917.36
135	892.41	937.33	938.94
140	907.71	953.38	956.91
145	919.42	965.68	970.82
150	928.02	974.70	980.44
155	934.01	980.99	986.35
160	937.93	985.11	989.64
165	940.28	987.57	991.44
170	941.53	988.89	992.85
175	942.09	989.47	994.55

Azimuth	E_{theo}	E_{std}	E_{aug}
180	942.27	989.66	995.82
185	942.29	989.69	996.46
190	942.30	989.69	996.52
195	942.28	989.67	995.99
200	942.14	989.53	994.86
205	941.69	989.05	993.17
210	940.61	987.91	991.72
215	938.51	985.72	990.08
220	934.95	981.97	987.19
225	929.41	976.16	981.88
230	921.37	967.73	973.09
235	910.32	956.12	960.03
240	895.78	940.86	942.84
245	877.33	921.50	921.94
250	854.69	897.73	897.74
255	827.68	869.38	869.66
260	796.29	836.44	837.33
265	760.70	799.08	800.74
270	721.28	757.71	760.03
275	678.60	712.92	715.59
280	633.43	665.51	668.82
285	586.74	616.52	621.21
290	539.70	567.17	573.69
295	493.63	518.84	527.22
300	450.02	473.11	482.80
305	410.44	431.60	441.24
310	376.42	395.94	403.66
315	349.33	367.55	372.10
320	330.01	347.31	348.78
325	318.57	335.32	335.33
330	314.24	330.78	330.78
335	315.53	332.13	332.13
340	320.60	337.45	337.45
345	327.65	344.83	344.83
350	335.10	352.64	352.65
355	341.75	359.60	359.70

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.

17 Oct 2009

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Federal Communications Commission