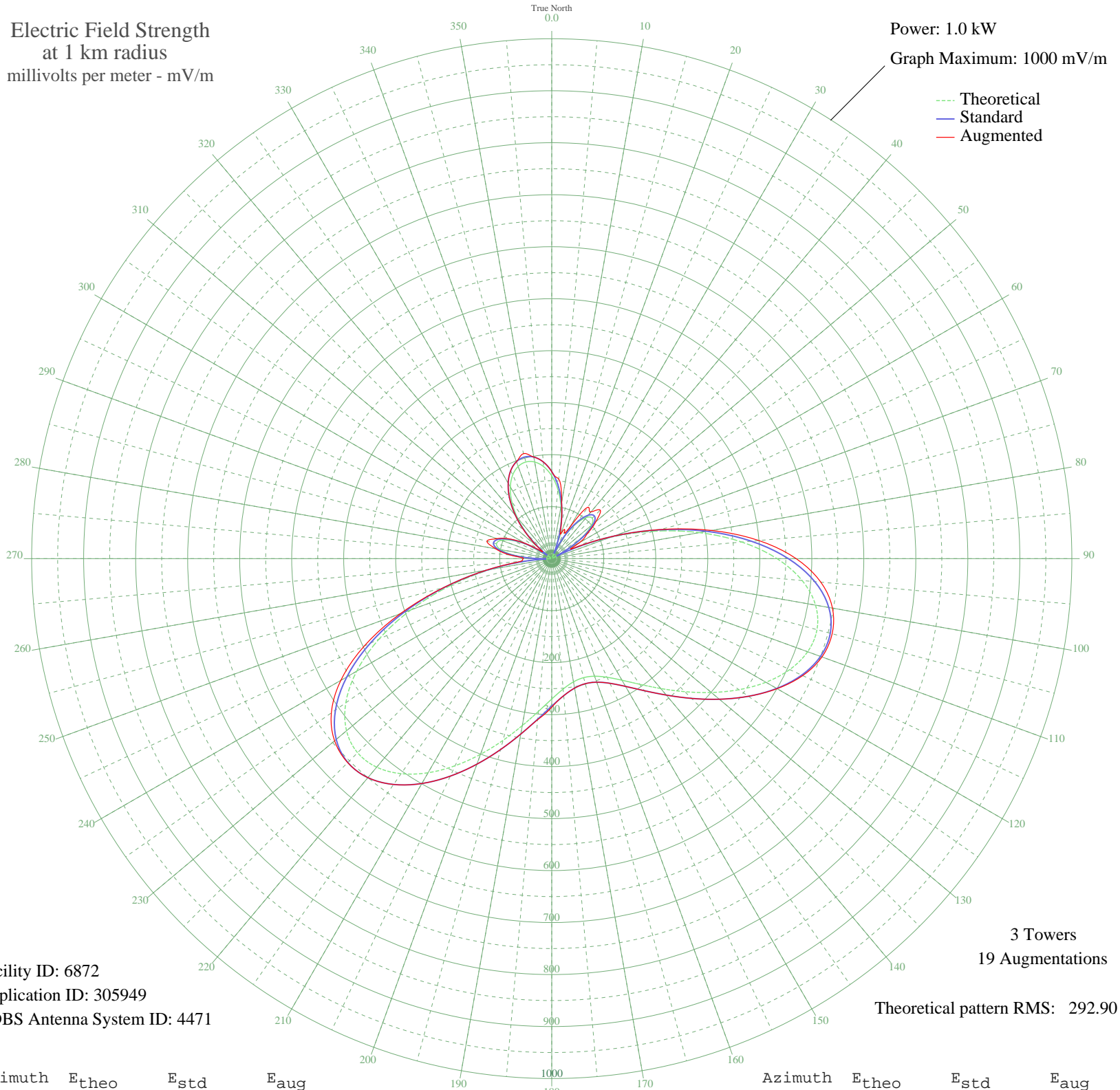


# WFHG BRISTOL, VA BL-- 980 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 6872  
Application ID: 305949  
CDBS Antenna System ID: 4471

3 Towers  
19 Augmentations

Theoretical pattern RMS: 292.90

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	159.21	167.50	167.50
5	133.98	141.07	153.75
10	102.61	108.25	110.06
15	66.27	70.37	71.79
20	26.78	30.01	50.00
25	13.37	17.53	59.09
30	50.96	54.53	70.05
35	82.25	87.00	120.77
40	103.24	108.91	117.31
45	110.11	116.09	132.07
50	99.82	105.33	110.66
55	70.65	74.92	82.95
60	22.67	26.02	61.54
65	42.01	45.34	53.52
70	119.31	125.72	126.29
75	203.56	214.00	216.16
80	288.21	302.81	312.14
85	366.67	385.14	399.67
90	433.14	454.92	469.93
95	483.39	507.66	519.36
100	515.09	540.95	548.07
105	527.99	554.49	558.21
110	523.63	549.91	552.93
115	504.91	530.26	532.43
120	475.54	499.43	500.29
125	439.50	461.59	461.62
130	400.53	420.69	420.69
135	361.88	380.12	380.12
140	326.11	342.57	342.57
145	295.08	310.01	310.01
150	270.05	283.74	283.74
155	251.77	264.57	264.57
160	240.68	252.93	252.93
165	236.97	249.04	249.04
170	240.68	252.93	252.93
175	251.77	264.57	264.57

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	270.05	283.74	285.77
185	295.08	310.01	310.99
190	326.11	342.57	342.57
195	361.88	380.12	380.12
200	400.53	420.69	420.69
205	439.50	461.59	461.59
210	475.54	499.43	499.43
215	504.91	530.26	530.26
220	523.63	549.91	549.91
225	527.99	554.49	554.87
230	515.09	540.95	545.09
235	483.39	507.66	517.34
240	433.14	454.92	468.32
245	366.67	385.14	397.81
250	288.22	302.81	310.14
255	203.57	214.00	215.23
260	119.31	125.72	127.53
265	42.01	45.35	60.02
270	22.67	26.02	54.53
275	70.65	74.92	80.48
280	99.82	105.33	109.47
285	110.11	116.09	129.06
290	103.24	108.91	112.37
295	82.26	87.00	89.76
300	50.96	54.53	57.35
305	13.37	17.53	25.77
310	26.78	30.01	35.22
315	66.27	70.37	72.08
320	102.61	108.25	108.77
325	133.98	141.07	141.14
330	159.21	167.50	167.50
335	177.57	186.74	186.74
340	188.70	198.41	198.41
345	192.43	202.32	209.21
350	188.70	198.41	198.41
355	177.57	186.74	186.74