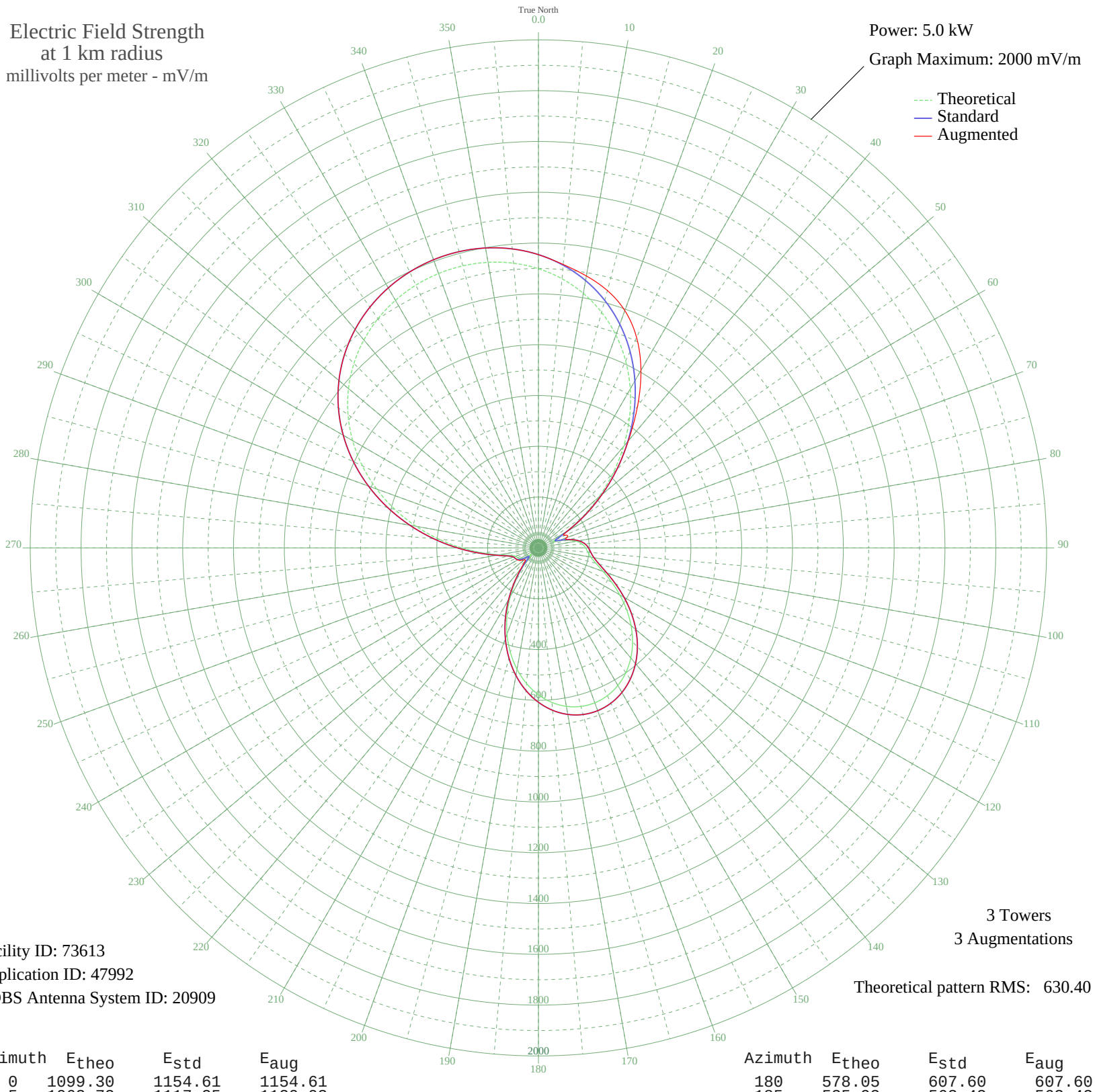
WCAT BURLINGTON, VT BL-19821006AF 1390 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
3 Augmentations

Facility ID: 73613
Application ID: 47992
CDBS Antenna System ID: 20909

Theoretical pattern RMS: 630.40

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1099.30	1154.61	1154.61
5	1063.72	1117.25	1120.03
10	1017.56	1068.80	1087.04
15	960.31	1008.71	1048.92
20	891.78	936.79	994.27
25	812.29	853.37	914.23
30	722.76	759.42	806.96
35	624.86	656.70	679.94
40	521.00	547.77	550.30
45	414.36	435.98	435.98
50	308.81	325.46	325.46
55	209.03	221.27	221.27
60	121.79	130.92	130.92
65	65.64	74.41	118.69
70	78.03	86.60	118.07
75	118.18	127.22	127.22
80	151.30	161.32	161.32
85	172.96	183.76	183.76
90	185.77	197.06	197.06
95	195.55	207.24	207.24
100	209.69	221.96	221.96
105	234.18	247.49	247.49
110	270.82	285.74	285.74
115	317.34	334.39	334.39
120	369.65	389.14	389.14
125	423.64	445.70	445.70
130	475.91	500.49	500.49
135	523.85	550.75	550.75
140	565.56	594.49	594.49
145	599.69	630.30	630.30
150	625.34	657.21	657.21
155	641.88	674.56	674.56
160	648.90	681.92	681.92
165	646.12	679.01	679.01
170	633.39	665.65	665.65
175	610.66	641.80	641.80
180	578.05	607.60	607.60
185	535.93	563.42	563.42
190	484.94	509.96	509.96
195	426.17	448.35	448.35
200	361.17	380.26	380.26
205	292.06	307.94	307.94
210	221.54	234.30	234.34
215	153.00	163.08	165.00
220	91.02	99.60	107.76
225	45.57	55.46	74.29
230	43.74	53.81	72.43
235	66.91	75.64	84.85
240	83.71	92.26	94.67
245	90.99	99.57	99.57
250	96.06	104.69	104.69
255	114.09	123.03	123.03
260	156.43	166.63	166.63
265	221.37	234.12	234.12
270	302.24	318.59	318.59
275	392.96	413.56	413.56
280	488.45	513.64	513.64
285	584.47	614.33	614.33
290	677.49	711.91	711.91
295	764.75	803.48	803.48
300	844.28	886.94	886.94
305	914.82	960.97	960.97
310	975.74	1024.92	1024.92
315	1026.95	1078.66	1078.66
320	1068.67	1122.45	1122.45
325	1101.33	1156.74	1156.74
330	1125.42	1182.02	1182.02
335	1141.35	1198.74	1198.74
340	1149.36	1207.16	1207.16
345	1149.49	1207.30	1207.30
350	1141.52	1198.92	1198.92
355	1125.00	1181.58	1181.58

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission