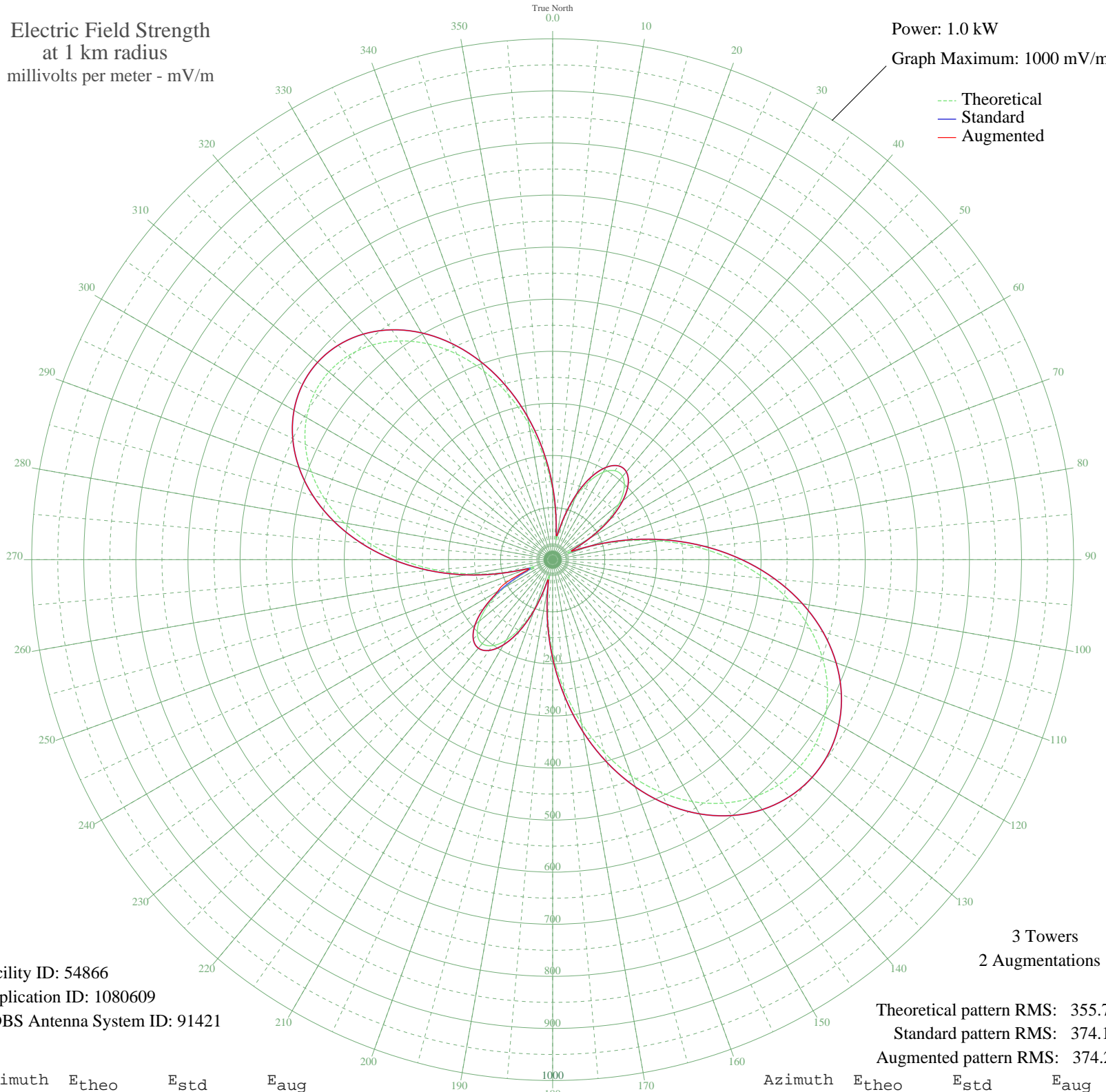


# WDEV WATERBURY, VT BL-20050811ACV 550 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 54866  
Application ID: 1080609  
CDBS Antenna System ID: 91421

Theoretical pattern RMS: 355.70  
Standard pattern RMS: 374.10  
Augmented pattern RMS: 374.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	132.19	140.46	140.46
5	69.54	76.12	76.12
10	39.04	46.30	46.30
15	77.67	84.34	84.34
20	125.47	133.49	133.49
25	165.41	175.01	175.01
30	193.69	204.51	204.51
35	208.41	219.88	219.88
40	208.61	220.09	220.09
45	194.16	205.00	205.00
50	165.75	175.37	175.37
55	124.95	132.95	132.95
60	74.89	81.53	81.53
65	31.58	39.53	39.53
70	68.61	75.19	75.19
75	136.27	144.69	144.69
80	207.50	218.94	218.94
85	278.02	292.71	292.71
90	345.33	363.23	363.23
95	407.56	428.48	428.48
100	463.27	486.91	486.91
105	511.38	537.38	537.38
110	551.13	579.09	579.09
115	582.01	611.49	611.49
120	603.69	634.24	634.24
125	616.00	647.16	647.16
130	618.85	650.14	650.14
135	612.21	643.18	643.18
140	596.13	626.31	626.31
145	570.75	599.67	599.67
150	536.27	563.50	563.50
155	493.10	518.21	518.21
160	441.84	464.44	464.44
165	383.38	403.12	403.12
170	318.92	335.55	335.55
175	250.07	263.46	263.46

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	178.93	189.10	189.10
185	108.37	115.81	115.81
190	45.59	52.49	52.49
195	44.57	51.52	51.52
200	95.68	102.74	102.74
205	142.61	151.28	151.28
210	178.71	188.88	188.88
215	201.67	212.85	212.85
220	210.30	221.86	221.86
225	204.23	215.51	215.51
230	183.92	194.31	194.31
235	150.69	159.68	160.07
240	106.94	114.33	121.96
245	58.63	65.22	84.86
250	42.40	49.45	51.53
255	93.43	100.44	100.44
260	158.84	168.17	168.17
265	225.82	238.09	238.09
270	290.75	306.05	306.05
275	351.40	369.59	369.59
280	406.11	426.96	426.96
285	453.65	476.82	476.82
290	493.12	518.23	518.23
295	523.90	550.52	550.52
300	545.57	573.26	573.26
305	557.90	586.19	586.19
310	560.75	589.18	589.18
315	554.10	582.21	582.21
320	538.02	565.33	565.33
325	512.66	538.73	538.73
330	478.35	502.72	502.72
335	435.56	457.84	457.84
340	385.02	404.85	404.85
345	327.77	344.83	344.83
350	265.18	279.27	279.27
355	199.12	210.18	210.18

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission