

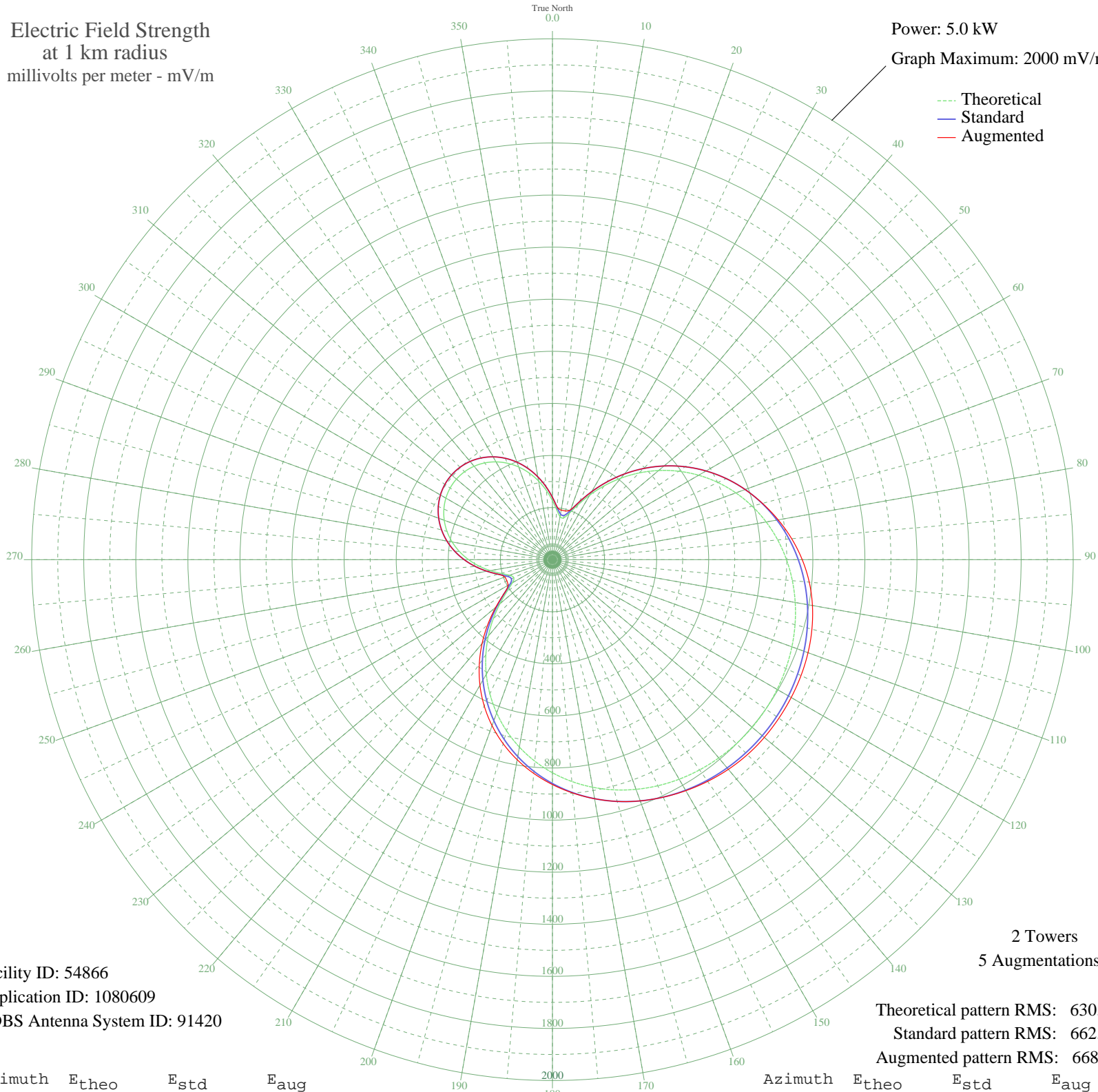
WDEV WATERBURY, VT BL-20050811ACV 550 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 54866
Application ID: 1080609
CDBS Antenna System ID: 91420

2 Towers
5 Augmentations
Theoretical pattern RMS: 630.90
Standard pattern RMS: 662.80
Augmented pattern RMS: 668.80

Azimuth	E _{theo}	E _{std}	E _{aug}
0	226.66	239.15	239.15
5	191.25	202.18	203.86
10	167.94	177.89	193.16
15	166.22	176.11	193.57
20	189.64	200.50	204.14
25	232.26	245.00	245.00
30	286.18	301.40	301.40
35	345.94	363.99	363.99
40	408.23	429.29	429.29
45	470.93	495.04	495.04
50	532.55	559.67	559.67
55	591.99	622.03	622.03
60	648.39	681.22	681.22
65	701.13	736.56	736.56
70	749.74	787.58	787.58
75	793.93	833.95	835.04
80	833.53	875.52	880.42
85	868.51	912.24	922.35
90	898.94	944.18	959.31
95	924.95	971.48	990.05
100	946.75	994.37	1013.90
105	964.57	1013.07	1031.66
110	978.64	1027.85	1044.57
115	989.20	1038.92	1053.35
120	996.41	1046.50	1058.77
125	1000.44	1050.73	1061.55
130	1001.37	1051.70	1062.11
135	999.21	1049.43	1058.83
140	993.92	1043.88	1051.09
145	985.39	1034.92	1039.38
150	973.45	1022.39	1024.29
155	957.91	1006.08	1006.36
160	938.52	985.73	985.73
165	915.06	961.10	961.10
170	887.31	931.97	932.08
175	855.07	898.13	899.59

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

Azimuth	E _{theo}	E _{std}	E _{aug}
180	818.24	859.48	863.67
185	776.80	815.98	823.97
190	730.81	767.71	780.06
195	680.51	714.92	731.55
200	626.24	657.97	678.14
205	568.54	597.42	619.79
210	508.11	534.03	556.79
215	445.91	468.79	489.89
220	383.16	403.01	420.42
225	321.58	338.47	350.56
230	263.66	277.84	283.87
235	213.46	225.35	226.45
240	177.50	187.84	197.12
245	163.85	173.63	193.10
250	175.18	185.43	194.82
255	204.47	215.97	215.97
260	242.39	255.59	255.59
265	282.73	297.79	297.79
270	322.08	339.00	339.00
275	358.57	377.23	377.23
280	391.14	411.37	411.37
285	419.13	440.72	440.72
290	442.17	464.87	464.87
295	460.01	483.58	483.58
300	472.52	496.70	496.70
305	479.61	504.14	504.14
310	481.25	505.86	505.86
315	477.43	501.85	501.85
320	468.16	492.13	492.13
325	453.51	476.76	476.76
330	433.57	455.85	455.85
335	408.51	429.58	429.58
340	378.63	398.26	398.26
345	344.40	362.38	362.38
350	306.60	322.79	322.79
355	266.57	280.88	280.88