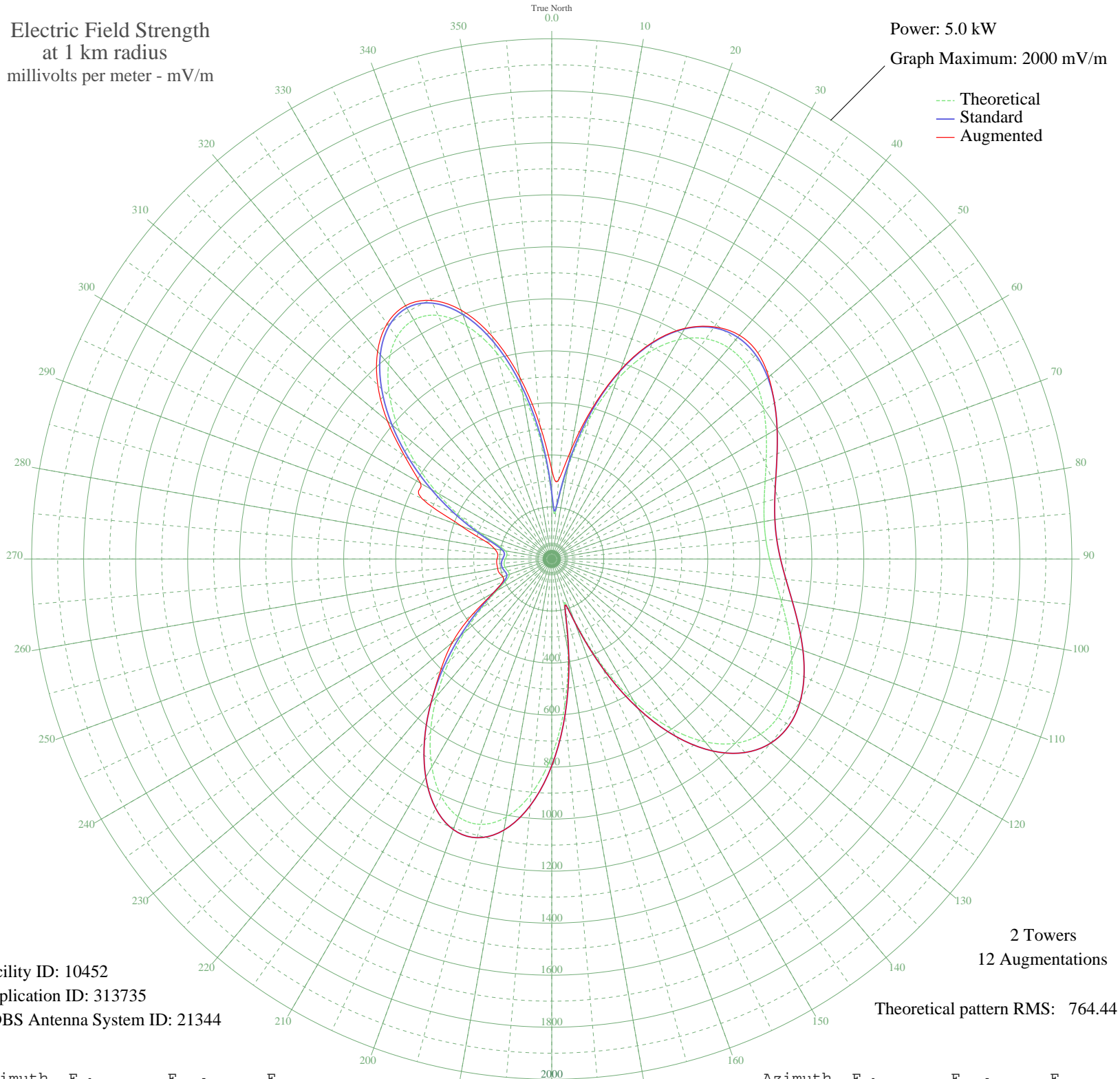


# WBSM NEW BEDFORD, MA BL-- 1420 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 10452  
Application ID: 313735  
CDBS Antenna System ID: 21344

2 Towers  
12 Augmentations  
Theoretical pattern RMS: 764.44

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	241.63	254.79	343.66
5	189.03	199.86	305.75
10	358.37	377.02	424.25
15	556.69	584.99	598.24
20	732.52	769.50	773.54
25	872.61	916.54	920.05
30	972.71	1021.62	1023.93
35	1033.57	1085.50	1089.54
40	1059.36	1112.58	1122.86
45	1056.55	1109.62	1120.76
50	1032.72	1084.61	1089.15
55	995.68	1045.73	1045.73
60	952.73	1000.64	1000.64
65	910.19	955.99	955.99
70	873.16	917.12	917.12
75	845.43	888.01	888.01
80	829.55	871.34	871.34
85	826.85	868.51	868.51
90	837.56	879.75	879.75
95	860.78	904.13	904.13
100	894.47	939.49	939.49
105	935.35	982.40	982.40
110	978.83	1028.04	1028.04
115	1019.06	1070.27	1070.27
120	1049.10	1101.80	1101.80
125	1061.26	1114.57	1114.57
130	1047.77	1100.41	1100.41
135	1001.60	1051.94	1051.94
140	917.50	963.66	963.66
145	793.22	833.21	833.21
150	630.76	662.71	662.71
155	438.82	461.36	461.36
160	244.80	258.11	258.11
165	186.65	197.38	197.38
170	358.33	376.98	376.98
175	567.74	596.59	596.59

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 Feb 2010

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	756.73	794.91	794.91
185	906.56	952.17	952.17
190	1007.62	1058.26	1058.26
195	1056.26	1109.32	1109.32
200	1053.94	1106.88	1106.88
205	1006.36	1056.94	1056.94
210	922.33	968.73	968.73
215	812.43	853.38	853.38
220	687.80	722.57	722.57
225	559.15	587.58	603.72
230	436.32	458.74	498.90
235	328.34	345.56	372.34
240	244.11	257.39	257.39
245	191.99	202.95	208.04
250	173.42	183.60	200.24
255	175.80	186.08	208.51
260	182.43	192.99	211.05
265	183.87	194.49	212.17
270	178.67	189.07	210.44
275	172.89	183.04	208.33
280	180.95	191.44	222.91
285	219.06	231.20	265.18
290	291.29	306.76	370.79
295	390.85	411.07	551.69
300	508.80	534.76	582.12
305	636.25	668.47	690.79
310	763.73	802.26	824.75
315	880.85	925.19	946.02
320	976.55	1025.65	1041.80
325	1039.90	1092.15	1103.95
330	1061.21	1114.52	1124.59
335	1033.39	1085.32	1096.90
340	953.16	1001.09	1017.94
345	822.04	863.46	886.91
350	647.13	679.89	710.66
355	442.62	465.34	514.20