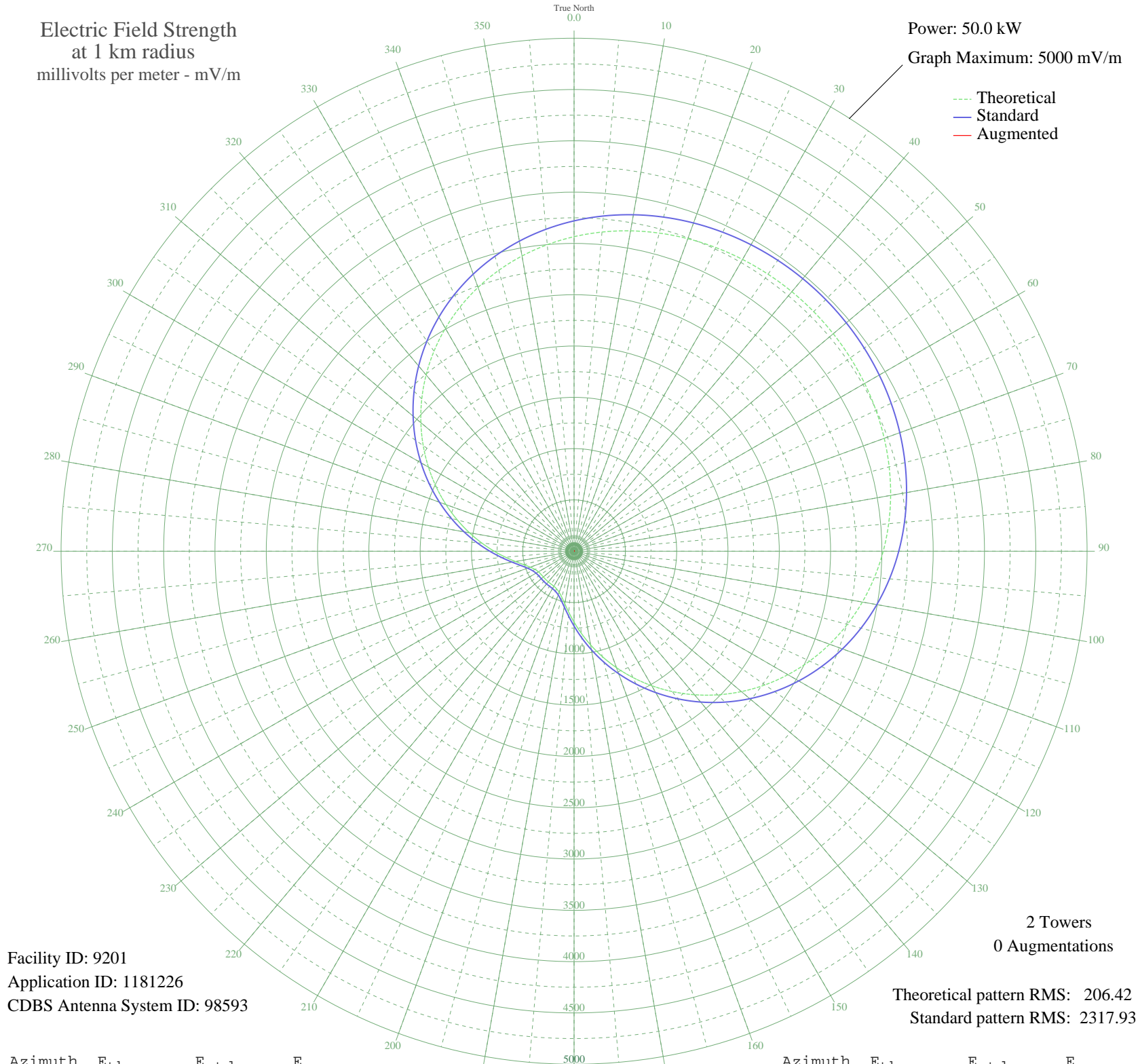


WCRN WORCESTER, MA BL-20070329APL 830 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 9201
Application ID: 1181226
CDBS Antenna System ID: 98593

Theoretical pattern RMS: 206.42
Standard pattern RMS: 2317.93

Azimuth	E _{theo}	E _{std}	E _{aug}
0	3065.78	3219.92	
5	3122.79	3279.77	
10	3170.67	3330.03	
15	3210.08	3371.40	
20	3241.70	3404.59	
25	3266.18	3430.30	
30	3284.12	3449.12	
35	3295.97	3461.56	
40	3302.08	3467.98	
45	3302.63	3468.56	
50	3297.64	3463.32	
55	3286.96	3452.11	
60	3270.28	3434.59	
65	3247.15	3410.31	
70	3217.01	3378.67	
75	3179.21	3339.00	
80	3133.08	3290.57	
85	3077.94	3232.69	
90	3013.18	3164.71	
95	2938.28	3086.08	
100	2852.87	2996.44	
105	2756.81	2895.60	
110	2650.15	2783.65	
115	2533.23	2660.93	
120	2406.67	2528.10	
125	2271.36	2386.09	
130	2128.48	2236.14	
135	1979.48	2079.78	
140	1826.02	1918.75	
145	1669.98	1755.05	
150	1513.42	1590.83	
155	1358.51	1428.37	
160	1207.53	1270.07	
165	1062.82	1118.43	
170	926.82	975.99	
175	802.03	845.39	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	690.98	729.32	
185	596.20	630.40	
190	519.84	550.86	
195	463.11	491.90	
200	425.44	452.84	
205	403.95	430.60	
210	394.05	420.36	
215	390.79	417.00	
220	390.25	416.44	
225	390.25	416.43	
230	390.57	416.76	
235	393.01	419.29	
240	401.21	427.76	
245	419.97	447.18	
250	454.11	482.56	
255	506.91	537.41	
260	579.40	612.88	
265	670.65	708.09	
270	778.63	820.93	
275	900.88	948.84	
280	1034.84	1089.12	
285	1178.01	1239.13	
290	1327.93	1396.30	
295	1482.24	1558.12	
300	1638.65	1722.18	
305	1794.95	1886.16	
310	1949.08	2047.88	
315	2099.12	2205.33	
320	2243.35	2356.69	
325	2380.28	2500.39	
330	2508.67	2635.15	
335	2627.57	2759.95	
340	2736.32	2874.09	
345	2834.51	2977.17	
350	2922.04	3069.04	
355	2999.02	3149.85	

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