

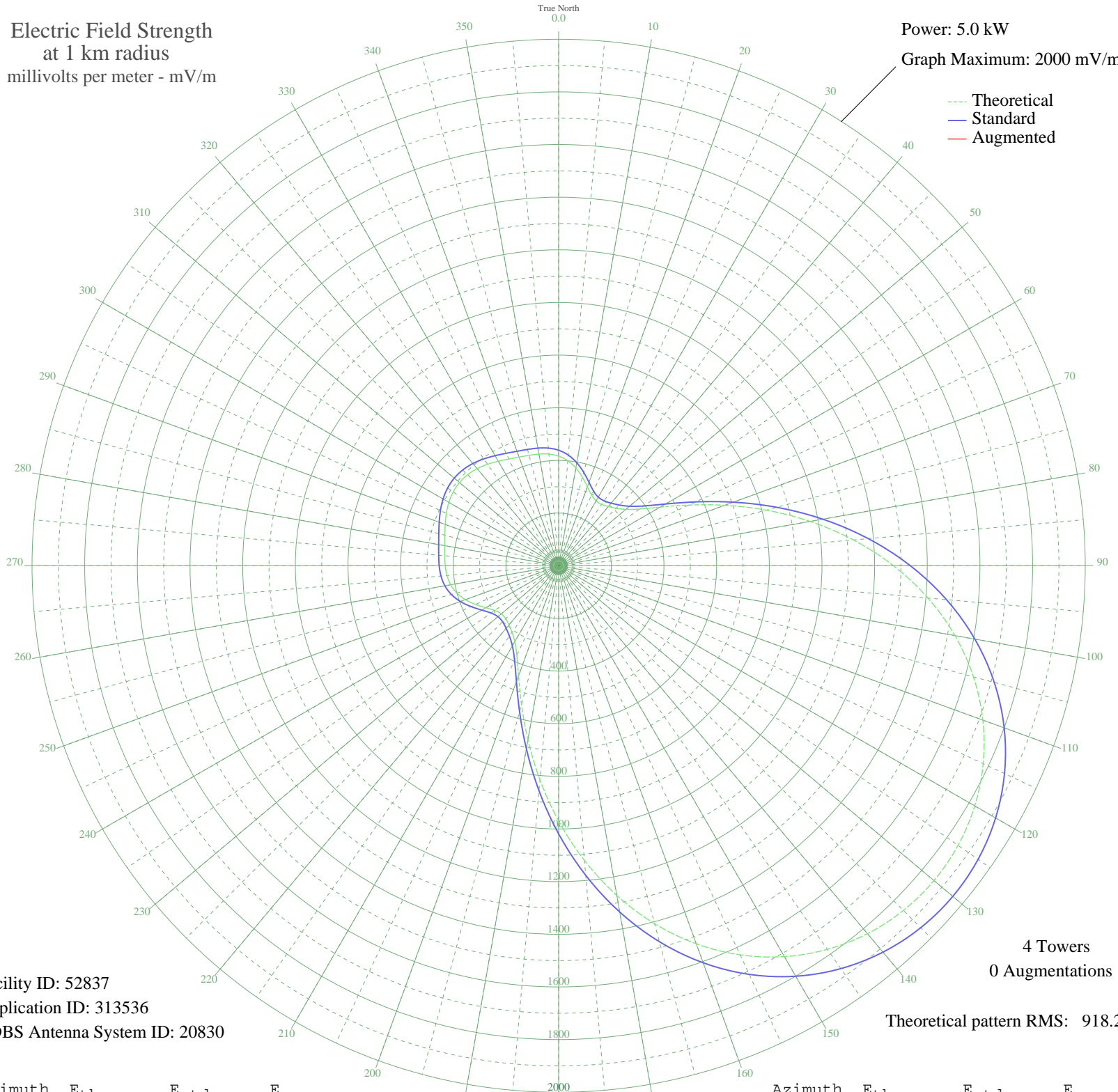
# WPLM PLYMOUTH, MA BL-- 1390 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 52837  
Application ID: 313536  
CDBS Antenna System ID: 20830

Theoretical pattern RMS: 918.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	416.40	438.73	
5	400.20	421.78	
10	376.71	397.21	
15	348.10	367.31	
20	319.18	337.10	
25	296.30	313.23	
30	284.55	300.98	
35	284.67	301.10	
40	293.50	310.31	
45	308.65	326.12	
50	333.11	351.65	
55	375.58	396.03	
60	445.23	468.90	
65	545.22	573.63	
70	671.48	705.99	
75	815.93	857.50	
80	969.52	1018.64	
85	1123.80	1180.55	
90	1271.69	1335.77	
95	1407.78	1478.61	
100	1528.27	1605.09	
105	1630.89	1712.82	
110	1714.57	1800.66	
115	1779.06	1868.37	
120	1824.65	1916.22	
125	1851.75	1944.67	
130	1860.73	1954.11	
135	1851.75	1944.67	
140	1824.65	1916.22	
145	1779.07	1868.37	
150	1714.57	1800.66	
155	1630.89	1712.83	
160	1528.27	1605.10	
165	1407.78	1478.61	
170	1271.70	1335.77	
175	1123.80	1180.55	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	969.52	1018.64	
185	815.94	857.50	
190	671.48	705.99	
195	545.22	573.63	
200	445.23	468.91	
205	375.58	396.03	
210	333.11	351.65	
215	308.65	326.12	
220	293.50	310.31	
225	284.67	301.10	
230	284.55	300.98	
235	296.30	313.23	
240	319.18	337.10	
245	348.10	367.30	
250	376.71	397.21	
255	400.20	421.77	
260	416.40	438.73	
265	425.76	448.52	
270	430.62	453.61	
275	434.18	457.33	
280	439.29	462.68	
285	447.45	471.23	
290	458.42	482.71	
295	470.52	495.38	
300	481.44	506.81	
305	489.00	514.73	
310	491.69	517.55	
315	489.00	514.73	
320	481.44	506.81	
325	470.52	495.38	
330	458.42	482.71	
335	447.45	471.23	
340	439.29	462.68	
345	434.18	457.33	
350	430.62	453.61	
355	425.76	448.52	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission