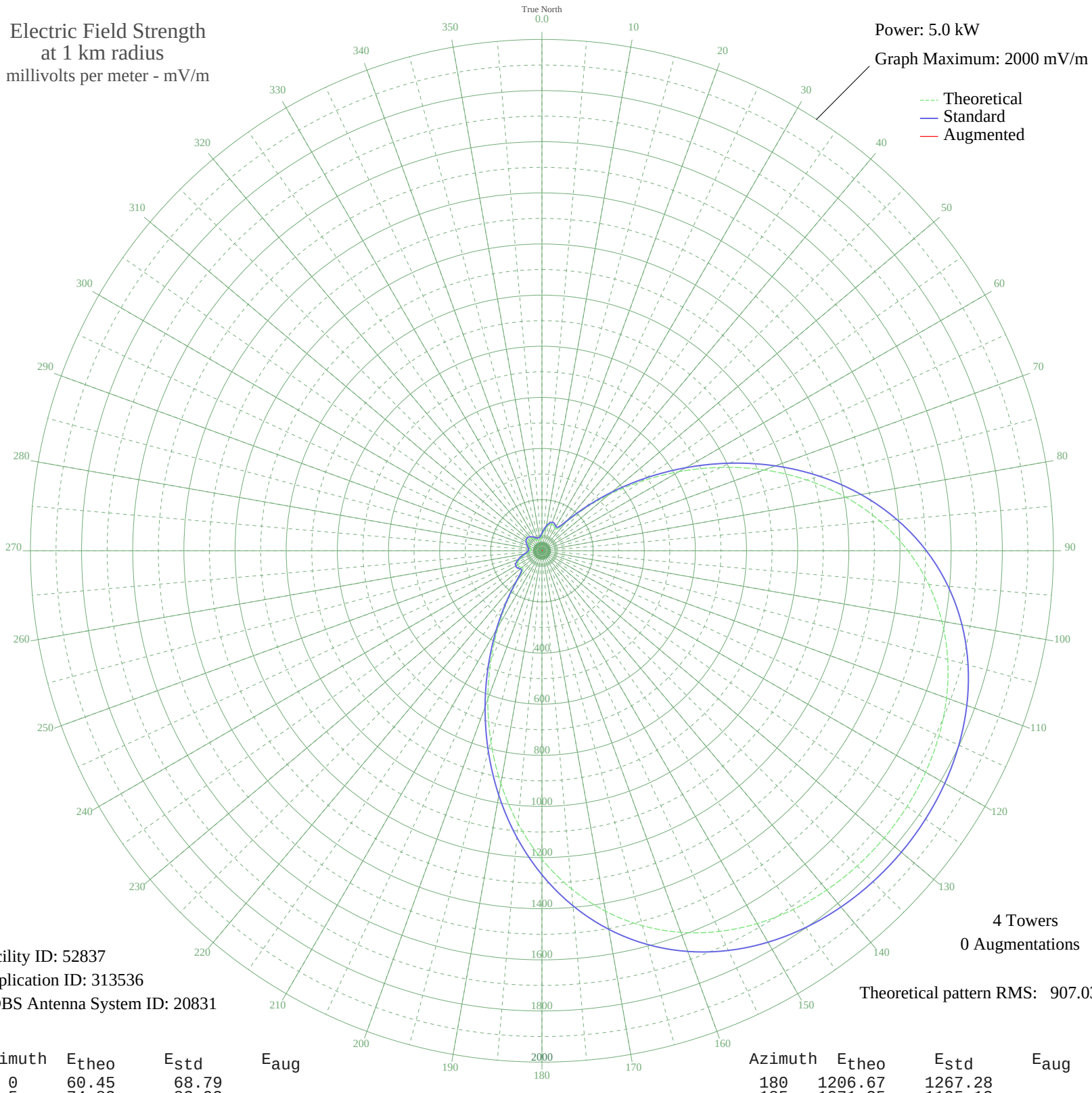
WPLM PLYMOUTH, MA BL-- 1390 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 52837
Application ID: 313536
CDBS Antenna System ID: 20831

Theoretical pattern RMS: 907.03

Azimuth	E_{theo}	E_{std}	E_{aug}
0	60.45	68.79	
5	74.83	82.93	
10	90.31	98.47	
15	103.29	111.65	
20	110.08	118.59	
25	108.42	116.89	
30	101.29	109.61	
35	105.29	113.69	
40	146.25	155.84	
45	227.71	240.56	
50	339.23	357.18	
55	472.01	496.32	
60	618.56	650.03	
65	771.70	810.72	
70	924.62	971.21	
75	1071.25	1125.12	
80	1206.67	1267.28	
85	1327.39	1394.01	
90	1431.42	1503.23	
95	1518.15	1594.28	
100	1588.10	1667.71	
105	1642.62	1724.95	
110	1683.52	1767.90	
115	1712.77	1798.61	
120	1732.19	1818.99	
125	1743.21	1830.57	
130	1746.78	1834.31	
135	1743.21	1830.57	
140	1732.19	1818.99	
145	1712.77	1798.61	
150	1683.52	1767.90	
155	1642.62	1724.95	
160	1588.10	1667.71	
165	1518.15	1594.28	
170	1431.42	1503.23	
175	1327.39	1394.01	
180	1206.67	1267.28	
185	1071.25	1125.12	
190	924.62	971.22	
195	771.70	810.72	
200	618.56	650.03	
205	472.01	496.32	
210	339.24	357.18	
215	227.71	240.56	
220	146.25	155.84	
225	105.29	113.69	
230	101.29	109.61	
235	108.42	116.89	
240	110.08	118.59	
245	103.29	111.65	
250	90.31	98.47	
255	74.83	82.93	
260	60.45	68.79	
265	49.83	58.66	
270	44.05	53.32	
275	42.52	51.93	
280	44.03	53.30	
285	47.70	56.67	
290	52.82	61.48	
295	58.48	66.89	
300	63.59	71.84	
305	67.12	75.30	
310	68.37	76.54	
315	67.12	75.30	
320	63.59	71.84	
325	58.48	66.89	
330	52.82	61.48	
335	47.70	56.67	
340	44.03	53.30	
345	42.52	51.93	
350	44.05	53.32	
355	49.83	58.66	

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.

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