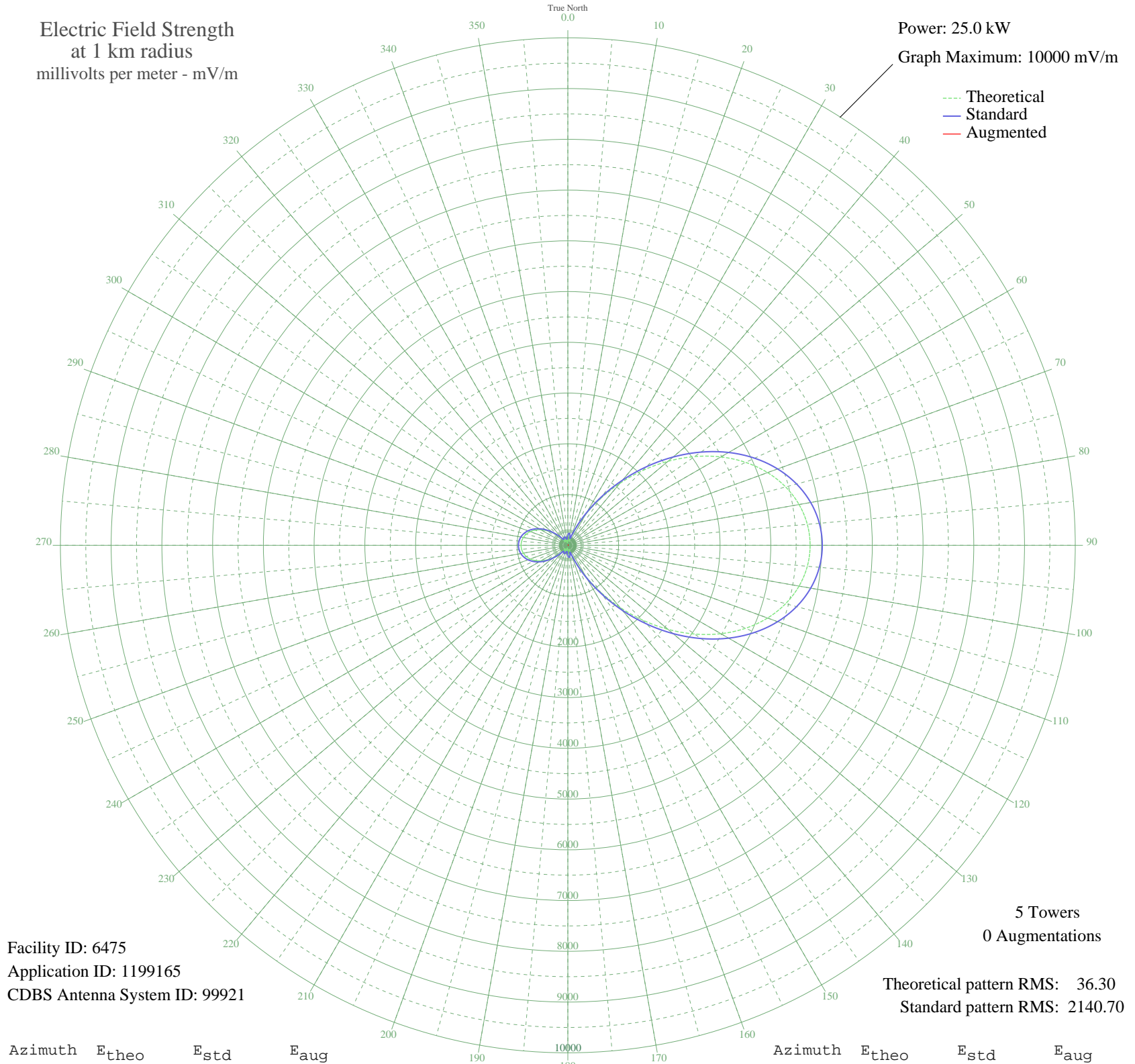


# WAMG DEDHAM, MA BL-20070727AJO 890 kHz

Daytime

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

Power: 25.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 6475  
Application ID: 1199165  
CDBS Antenna System ID: 99921

5 Towers  
0 Augmentations  
Theoretical pattern RMS: 36.30  
Standard pattern RMS: 2140.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	160.65	199.39	
5	203.75	238.89	
10	193.15	228.98	
15	118.23	163.44	
20	118.67	163.78	
25	363.45	396.16	
30	708.79	751.78	
35	1125.37	1186.41	
40	1591.03	1673.96	
45	2082.07	2188.76	
50	2574.88	2705.71	
55	3047.94	3202.10	
60	3483.24	3658.95	
65	3866.93	4061.67	
70	4189.22	4399.96	
75	4443.87	4667.27	
80	4627.33	4859.86	
85	4737.87	4975.90	
90	4774.77	5014.64	
95	4737.87	4975.90	
100	4627.33	4859.86	
105	4443.87	4667.27	
110	4189.22	4399.96	
115	3866.93	4061.67	
120	3483.24	3658.95	
125	3047.94	3202.10	
130	2574.88	2705.71	
135	2082.07	2188.76	
140	1591.03	1673.96	
145	1125.37	1186.41	
150	708.79	751.78	
155	363.45	396.16	
160	118.67	163.78	
165	118.23	163.44	
170	193.15	228.98	
175	203.75	238.89	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	160.65	199.39	
185	89.26	141.72	
190	46.96	117.18	
195	94.24	145.23	
200	133.60	176.01	
205	138.33	179.99	
210	109.38	156.49	
215	80.66	135.92	
220	136.10	178.11	
225	247.50	280.78	
230	373.41	406.23	
235	497.85	533.44	
240	611.66	650.98	
245	709.39	752.40	
250	788.45	834.67	
255	848.33	897.07	
260	889.77	940.29	
265	913.96	965.53	
270	921.90	973.82	
275	913.96	965.53	
280	889.77	940.29	
285	848.33	897.06	
290	788.45	834.66	
295	709.39	752.40	
300	611.66	650.98	
305	497.85	533.44	
310	373.41	406.23	
315	247.50	280.78	
320	136.10	178.11	
325	80.66	135.92	
330	109.38	156.49	
335	138.33	179.99	
340	133.60	176.01	
345	94.24	145.23	
350	46.96	117.18	
355	89.26	141.72	

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