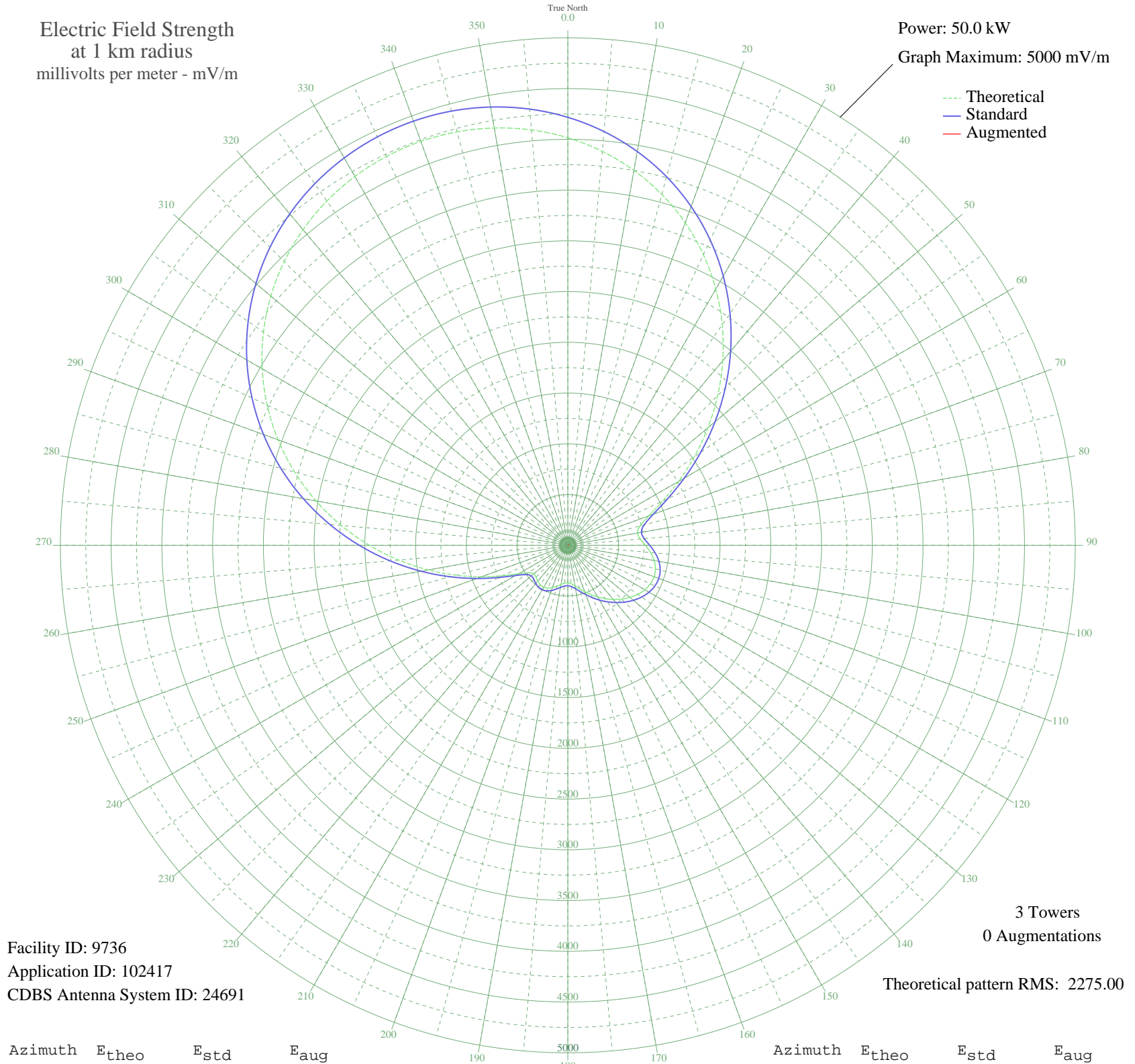


# WNNZ WESTFIELD, MA BL-19870622AF 640 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 9736  
Application ID: 102417  
CDBS Antenna System ID: 24691

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 2275.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4015.10	4216.77	
5	3896.27	4092.02	
10	3751.02	3939.55	
15	3579.38	3759.38	
20	3381.91	3552.09	
25	3159.92	3319.08	
30	2915.66	3062.70	
35	2652.44	2786.45	
40	2374.80	2495.09	
45	2088.57	2194.76	
50	1801.00	1893.09	
55	1520.98	1599.44	
60	1259.44	1325.32	
65	1030.14	1085.20	
70	850.06	896.86	
75	736.56	778.35	
80	696.46	736.52	
85	714.94	755.80	
90	763.78	806.75	
95	818.37	863.76	
100	863.88	911.31	
105	893.25	942.01	
110	904.33	953.59	
115	897.78	946.74	
120	875.88	923.85	
125	841.66	888.08	
130	798.31	842.81	
135	748.88	791.20	
140	695.93	735.97	
145	641.55	679.32	
150	587.37	622.94	
155	534.77	568.32	
160	485.29	517.05	
165	440.98	471.27	
170	404.72	433.91	
175	379.98	408.51	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	369.80	398.08	
185	374.92	403.32	
190	392.67	421.53	
195	417.65	447.22	
200	443.43	473.80	
205	464.02	495.05	
210	474.73	506.13	
215	473.10	504.44	
220	460.25	491.16	
225	443.35	473.71	
230	438.88	469.10	
235	471.46	502.75	
240	560.79	595.33	
245	708.77	749.36	
250	905.21	954.51	
255	1138.05	1198.17	
260	1396.71	1469.17	
265	1671.98	1757.77	
270	1955.63	2055.29	
275	2240.22	2353.86	
280	2519.10	2646.51	
285	2786.52	2927.16	
290	3037.73	3190.82	
295	3268.96	3433.53	
300	3477.48	3652.40	
305	3661.47	3845.54	
310	3819.92	4011.88	
315	3952.46	4151.01	
320	4059.14	4263.00	
325	4140.31	4348.21	
330	4196.39	4407.09	
335	4227.79	4440.04	
340	4234.72	4447.32	
345	4217.21	4428.94	
350	4175.06	4384.69	
355	4107.86	4314.15	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission