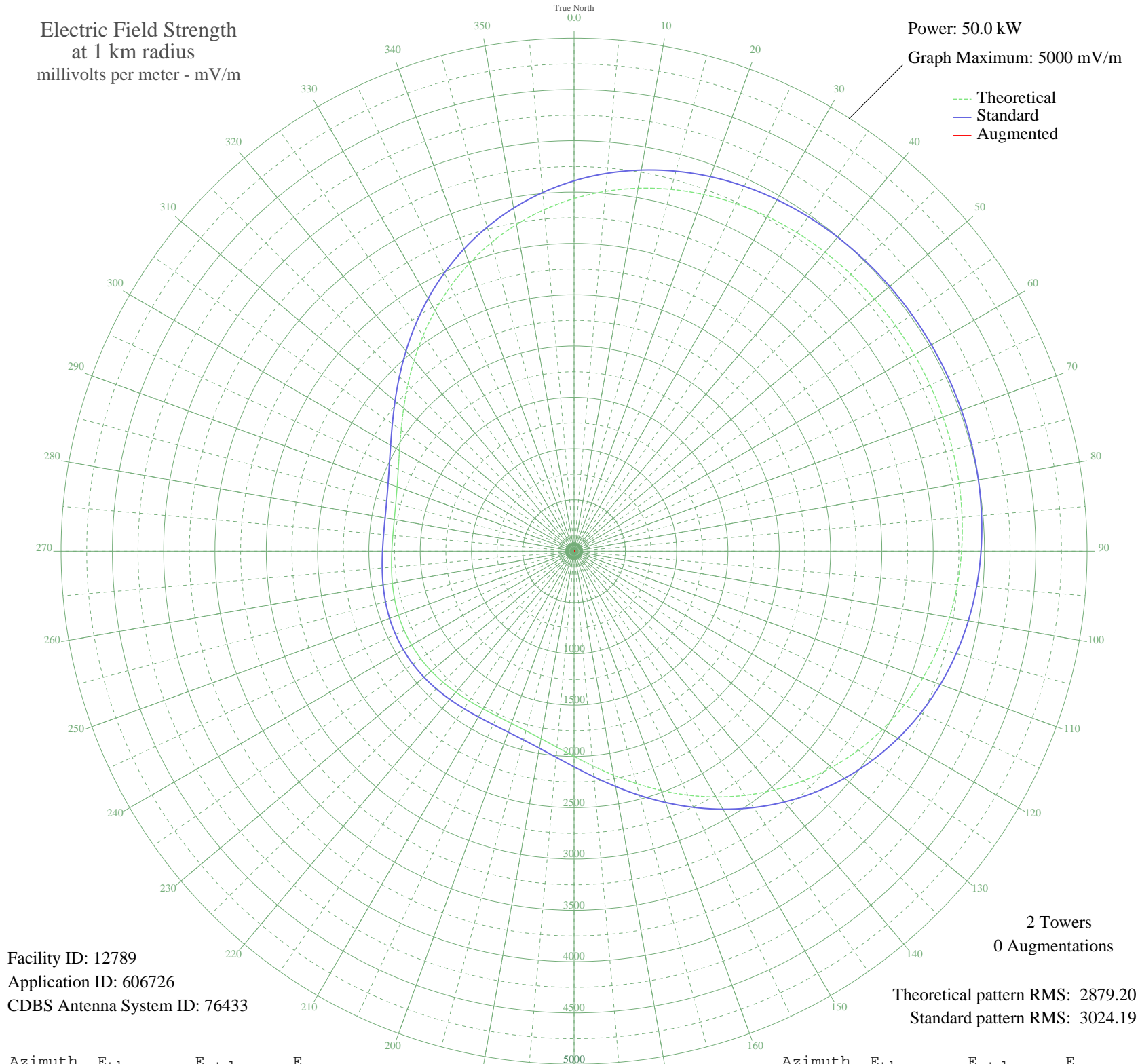


# WWZN BOSTON, MA BL-20020619ACD 1510 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 12789  
Application ID: 606726  
CDBS Antenna System ID: 76433

2 Towers  
0 Augmentations

Theoretical pattern RMS: 2879.20  
Standard pattern RMS: 3024.19

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3437.28	3610.00	
5	3520.72	3697.60	
10	3591.76	3772.17	
15	3650.90	3834.25	
20	3699.01	3884.76	
25	3737.22	3924.87	
30	3766.77	3955.90	
35	3788.99	3979.22	
40	3805.16	3996.19	
45	3816.45	4008.05	
50	3823.86	4015.82	
55	3828.15	4020.33	
60	3829.84	4022.10	
65	3829.12	4021.35	
70	3825.92	4017.98	
75	3819.83	4011.60	
80	3810.20	4001.49	
85	3796.12	3986.70	
90	3776.47	3966.07	
95	3750.00	3938.29	
100	3715.42	3901.98	
105	3671.41	3855.78	
110	3616.80	3798.46	
115	3550.61	3728.97	
120	3472.16	3646.62	
125	3381.19	3551.12	
130	3277.88	3442.67	
135	3162.97	3322.05	
140	3037.79	3190.65	
145	2904.25	3050.48	
150	2764.87	2904.18	
155	2622.72	2754.98	
160	2481.32	2606.57	
165	2344.51	2462.99	
170	2216.26	2328.40	
175	2100.38	2206.80	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2000.18	2101.67	
185	1918.12	2015.56	
190	1855.38	1949.75	
195	1811.78	1904.00	
200	1785.68	1876.62	
205	1774.34	1864.73	
210	1774.30	1864.68	
215	1781.85	1872.60	
220	1793.47	1884.79	
225	1806.10	1898.04	
230	1817.23	1909.72	
235	1825.08	1917.95	
240	1828.50	1921.54	
245	1827.02	1919.99	
250	1820.85	1913.51	
255	1810.85	1903.02	
260	1798.56	1890.13	
265	1786.19	1877.16	
270	1776.61	1867.10	
275	1773.18	1863.50	
280	1779.56	1870.20	
285	1799.37	1890.98	
290	1835.71	1929.10	
295	1890.68	1986.78	
300	1965.08	2064.84	
305	2058.26	2162.61	
310	2168.22	2277.99	
315	2291.96	2407.85	
320	2425.82	2548.33	
325	2565.86	2695.30	
330	2708.15	2844.65	
335	2849.04	2992.53	
340	2985.24	3135.50	
345	3114.04	3270.69	
350	3233.25	3395.82	
355	3341.32	3509.27	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission