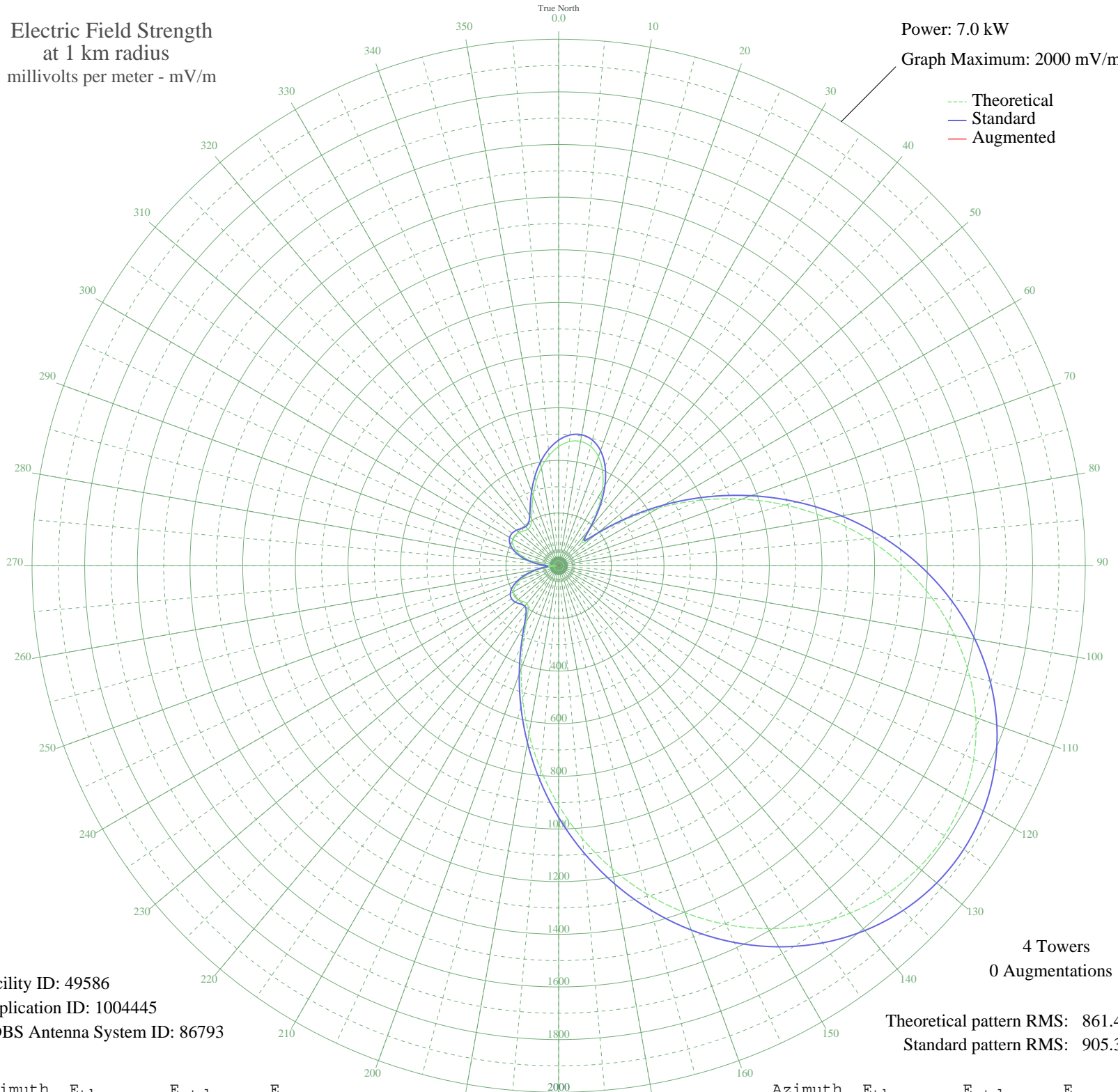


WMTR MORRISTOWN, NJ BL-20040716ACJ 1250 kHz

Nighttime

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

Power: 7.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 49586  
Application ID: 1004445  
CDBS Antenna System ID: 86793

Theoretical pattern RMS: 861.40  
Standard pattern RMS: 905.33

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	452.67	476.93	
5	473.38	498.61	
10	479.55	505.07	
15	469.28	494.32	
20	441.37	465.11	
25	395.45	417.09	
30	332.30	351.13	
35	254.75	270.36	
40	172.04	184.88	
45	123.18	135.20	
50	178.80	191.82	
55	298.12	315.49	
60	438.48	462.09	
65	587.60	618.23	
70	739.78	777.77	
75	891.02	936.40	
80	1037.93	1090.53	
85	1177.54	1237.04	
90	1307.23	1373.15	
95	1424.72	1496.47	
100	1528.07	1604.96	
105	1615.69	1696.93	
110	1686.31	1771.06	
115	1738.99	1826.36	
120	1773.12	1862.19	
125	1788.39	1878.23	
130	1784.80	1874.46	
135	1762.63	1851.17	
140	1722.42	1808.97	
145	1665.03	1748.72	
150	1591.56	1671.60	
155	1503.39	1579.05	
160	1402.18	1472.82	
165	1289.87	1354.94	
170	1168.68	1227.74	
175	1041.09	1093.86	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	909.88	956.19	
185	778.10	817.95	
190	649.08	682.67	
195	526.54	554.27	
200	414.72	437.23	
205	318.81	337.06	
210	245.41	260.67	
215	201.38	215.08	
220	187.36	200.62	
225	192.21	205.62	
230	201.17	214.87	
235	204.63	218.43	
240	198.26	211.87	
245	180.94	194.02	
250	153.27	165.68	
255	116.94	128.94	
260	74.30	87.38	
265	28.64	49.53	
270	22.96	46.15	
275	67.70	81.26	
280	109.51	121.53	
285	145.20	157.45	
290	172.97	185.84	
295	191.73	205.12	
300	201.13	214.82	
305	201.84	215.56	
310	195.86	209.39	
315	187.00	200.26	
320	181.27	194.36	
325	185.86	199.09	
330	205.57	219.41	
335	239.69	254.73	
340	283.49	300.26	
345	331.37	350.16	
350	378.29	399.15	
355	419.95	442.70	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission