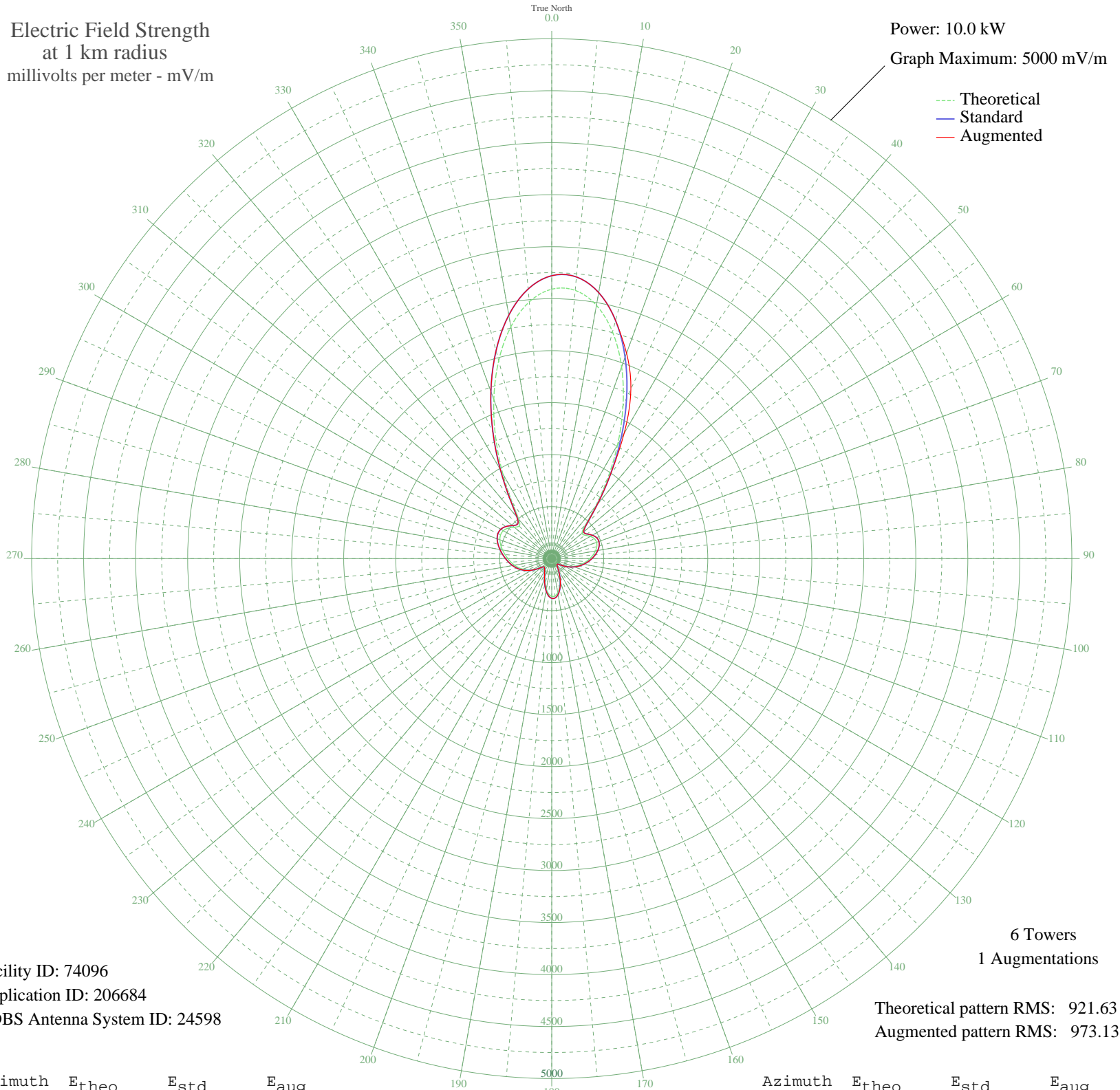


WTMJ MILWAUKEE, WI BL-19950222AD 620 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 74096  
Application ID: 206684  
CDBS Antenna System ID: 24598

6 Towers  
1 Augmentations  
Theoretical pattern RMS: 921.63  
Augmented pattern RMS: 973.13

Azimuth	Etheo	Estd	Eaug
0	2591.40	2721.18	2721.18
5	2589.82	2719.51	2719.51
10	2474.35	2598.28	2598.28
15	2257.78	2370.91	2370.91
20	1963.44	2061.88	2102.60
25	1621.78	1703.19	1800.00
30	1266.52	1330.27	1392.54
35	931.54	978.68	978.68
40	650.17	683.49	683.49
45	457.66	481.69	481.69
50	380.88	401.30	401.30
55	392.22	413.16	413.16
60	427.77	450.38	450.38
65	452.53	476.31	476.31
70	458.58	482.65	482.65
75	448.35	471.94	471.94
80	426.80	449.36	449.36
85	398.37	419.61	419.61
90	366.16	385.90	385.90
95	331.77	349.94	349.94
100	295.73	312.29	312.29
105	257.96	272.89	272.89
110	218.36	231.67	231.67
115	177.43	189.23	189.23
120	136.86	147.49	147.49
125	100.10	110.23	110.23
130	72.74	83.28	83.28
135	61.30	72.42	72.42
140	67.04	77.83	77.83
145	86.86	97.06	97.06
150	121.22	131.54	131.54
155	169.88	181.44	181.44
160	227.61	241.29	241.29
165	285.25	301.35	301.35
170	332.37	350.57	350.57
175	359.90	379.35	379.35

Azimuth	Etheo	Estd	Eaug
180	362.39	381.95	381.95
185	339.57	358.09	358.09
190	296.71	313.31	313.31
195	243.62	257.94	257.94
200	192.28	204.61	204.61
205	152.65	163.69	163.69
210	127.13	137.55	137.55
215	110.29	120.47	120.47
220	98.90	109.02	109.02
225	100.36	110.49	110.49
230	123.46	133.82	133.82
235	163.26	174.61	174.61
240	209.33	222.29	222.29
245	254.53	269.31	269.31
250	295.45	311.99	311.99
255	331.36	349.51	349.51
260	363.23	382.83	382.83
265	392.76	413.74	413.74
270	421.64	443.97	443.97
275	450.87	474.58	474.58
280	480.28	505.39	505.39
285	508.09	534.53	534.53
290	530.62	558.14	558.14
295	542.43	570.52	570.52
300	537.40	565.24	565.24
305	511.59	538.19	538.19
310	470.31	494.94	494.94
315	443.10	466.44	466.44
320	493.46	519.20	519.20
325	665.63	699.70	699.70
330	938.91	986.41	986.41
335	1272.46	1336.49	1336.49
340	1628.37	1710.11	1710.11
345	1970.49	2069.28	2069.28
350	2264.15	2377.59	2377.59
355	2478.78	2602.93	2602.93

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission