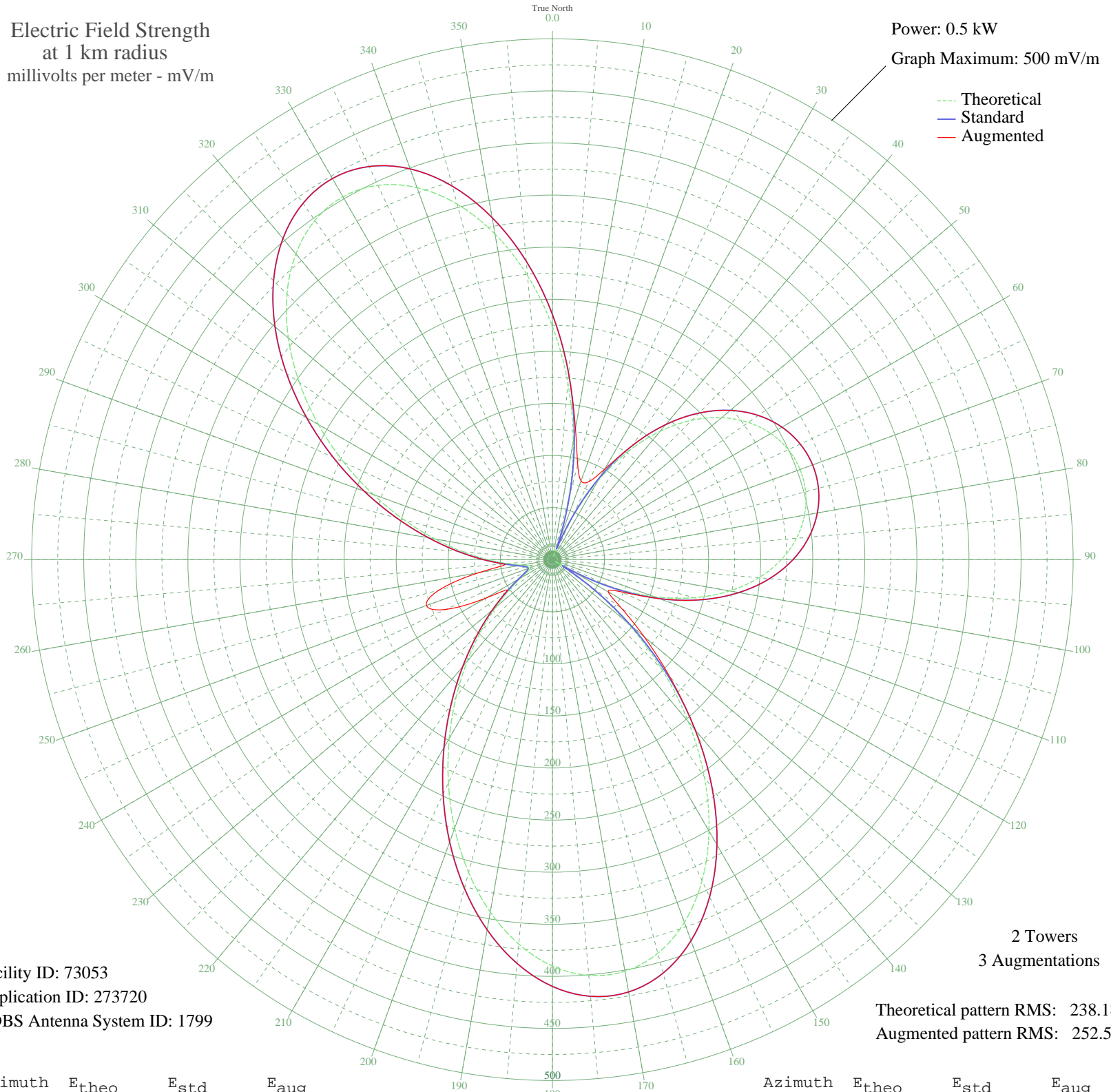


WFHR WISCONSIN RAPIDS, WI BL-19980910AG 1320 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 73053  
Application ID: 273720  
CDBS Antenna System ID: 1799

2 Towers  
3 Augmentations

Theoretical pattern RMS: 238.18  
Augmented pattern RMS: 252.55

Azimuth	Etheo	Estd	Eaug
0	223.99	235.42	235.42
5	170.45	179.28	179.28
10	115.19	121.40	127.73
15	60.20	64.07	94.00
20	7.25	12.97	80.47
25	42.21	45.54	82.49
30	87.12	92.08	100.27
35	126.79	133.54	133.54
40	160.87	169.24	169.24
45	189.27	199.01	199.01
50	212.12	222.97	222.97
55	229.65	241.37	241.37
60	242.16	254.48	254.48
65	249.89	262.60	262.60
70	253.04	265.90	265.90
75	251.70	264.49	264.49
80	245.81	258.32	258.32
85	235.24	247.23	247.23
90	219.76	230.98	230.98
95	199.06	209.28	209.28
100	172.91	181.85	181.85
105	141.10	148.53	148.53
110	103.64	109.33	109.33
115	60.76	64.66	73.21
120	13.02	17.23	61.91
125	38.69	41.96	80.47
130	93.05	98.27	114.86
135	148.44	156.21	159.94
140	202.92	213.32	213.32
145	254.39	267.32	267.32
150	300.76	315.97	315.97
155	340.03	357.19	357.19
160	370.57	389.24	389.24
165	391.18	410.87	410.87
170	401.20	421.39	421.39
175	400.62	420.79	420.79

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	390.01	409.65	409.65
185	370.46	389.12	389.12
190	343.48	360.80	360.80
195	310.85	326.56	326.56
200	274.49	288.41	288.41
205	236.30	248.33	248.33
210	198.02	208.18	208.18
215	161.20	169.59	169.59
220	127.14	133.91	133.91
225	96.83	102.22	102.22
230	71.04	75.33	75.33
235	50.30	53.85	53.85
240	34.95	38.17	73.82
245	25.20	28.47	113.09
250	21.17	24.58	128.75
255	22.90	26.23	112.55
260	30.37	33.57	71.55
265	43.50	46.86	46.86
270	62.12	66.06	66.06
275	85.94	90.85	90.85
280	114.52	120.70	120.70
285	147.18	154.90	154.90
290	183.04	192.48	192.48
295	220.90	232.18	232.18
300	259.33	272.50	272.50
305	296.65	311.66	311.66
310	331.00	347.71	347.71
315	360.46	378.63	378.63
320	383.19	402.48	402.48
325	397.53	417.54	417.54
330	402.22	422.47	422.47
335	396.47	416.43	416.43
340	380.06	399.20	399.20
345	353.38	371.19	371.19
350	317.42	333.45	333.45
355	273.67	287.54	287.54