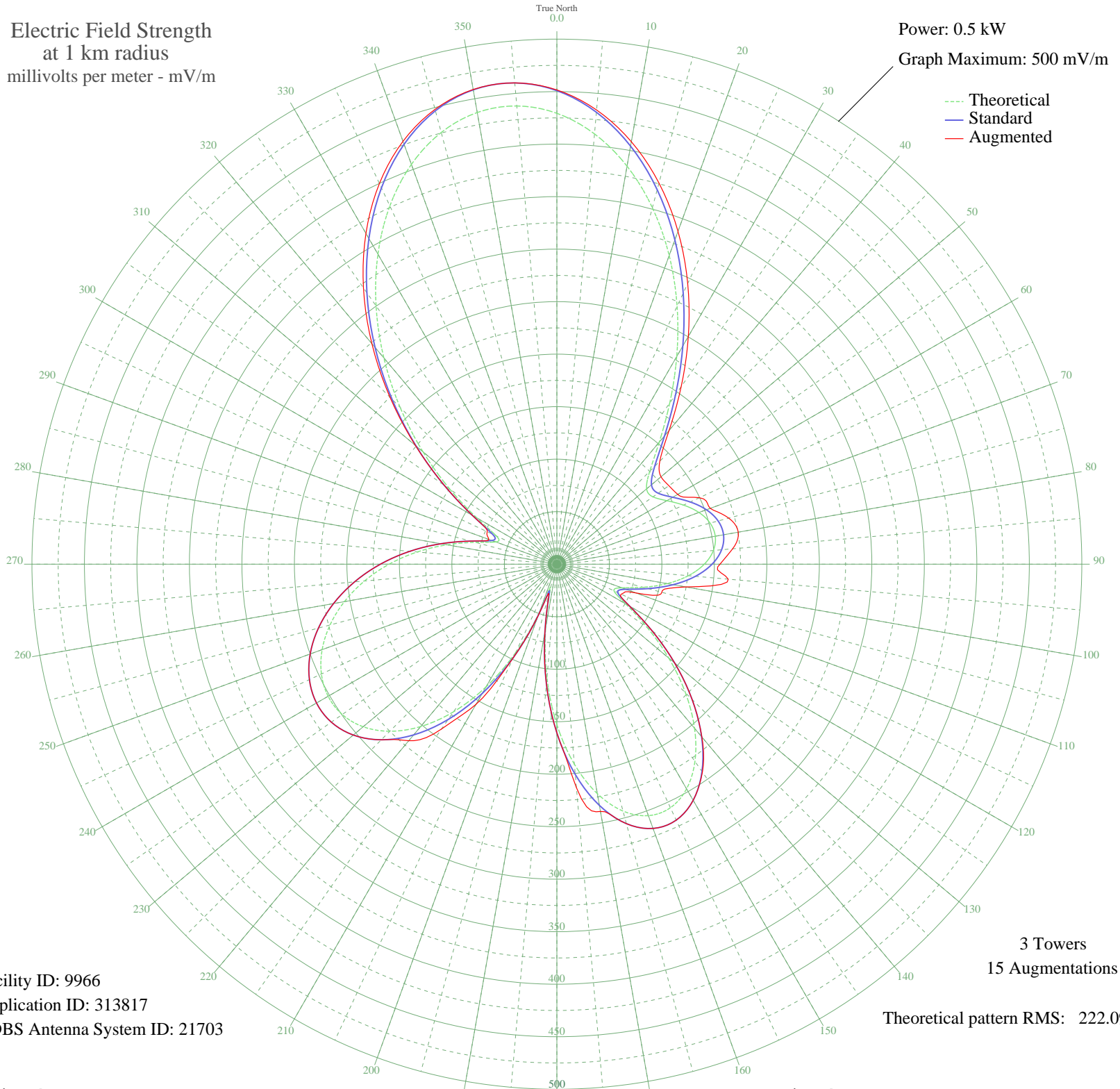


# WNFL GREEN BAY, WI BL-- 1440 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 9966  
Application ID: 313817  
CDBS Antenna System ID: 21703

3 Towers  
15 Augmentations  
Theoretical pattern RMS: 222.09

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	429.36	450.95	451.63
5	411.32	432.01	434.17
10	384.87	404.25	408.50
15	351.45	369.17	375.74
20	312.81	328.61	337.31
25	270.99	284.73	294.87
30	228.31	239.96	250.42
35	187.45	197.10	206.44
40	151.67	159.60	166.28
45	125.05	131.72	138.65
50	111.56	117.61	129.49
55	111.73	117.79	130.25
60	120.93	127.41	132.95
65	133.12	140.17	149.76
70	144.00	151.56	155.44
75	151.12	159.02	169.46
80	153.20	161.21	175.42
85	149.68	157.51	168.05
90	140.43	147.83	155.38
95	125.79	132.50	163.88
100	106.64	112.47	124.84
105	85.01	89.88	103.46
110	65.84	69.93	80.03
115	59.99	63.86	67.67
120	75.63	80.10	80.10
125	105.03	110.78	110.78
130	139.18	146.52	146.52
135	173.20	182.16	182.16
140	204.02	214.48	214.89
145	229.29	240.99	241.68
150	247.09	259.66	259.66
155	255.94	268.94	268.94
160	254.84	267.79	267.79
165	243.42	255.81	255.81
170	221.91	233.24	239.08
175	191.18	201.01	213.63

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	152.70	160.68	160.68
185	108.53	114.44	114.44
190	61.65	65.58	65.58
195	23.66	26.97	29.43
200	48.54	52.04	52.18
205	92.97	98.18	98.18
210	134.94	142.08	154.22
215	171.66	180.55	191.66
220	201.89	212.24	219.46
225	225.02	236.50	236.50
230	240.86	253.13	253.13
235	249.58	262.27	262.27
240	251.59	264.38	264.38
245	247.47	260.06	260.06
250	237.94	250.06	250.06
255	223.71	235.13	235.13
260	205.49	216.02	216.02
265	183.97	193.45	193.45
270	159.76	168.07	168.07
275	133.53	140.60	140.60
280	106.30	112.11	112.11
285	80.32	84.99	84.99
290	61.92	65.86	68.90
295	63.63	67.64	73.14
300	87.91	92.90	92.90
305	124.38	131.02	131.02
310	166.49	175.13	175.90
315	211.18	221.99	224.79
320	256.40	269.42	274.12
325	300.26	315.45	321.16
330	340.89	358.09	363.71
335	376.43	395.39	399.96
340	405.15	425.53	428.52
345	425.61	447.01	448.41
350	436.75	458.71	459.00
355	438.01	460.03	460.05