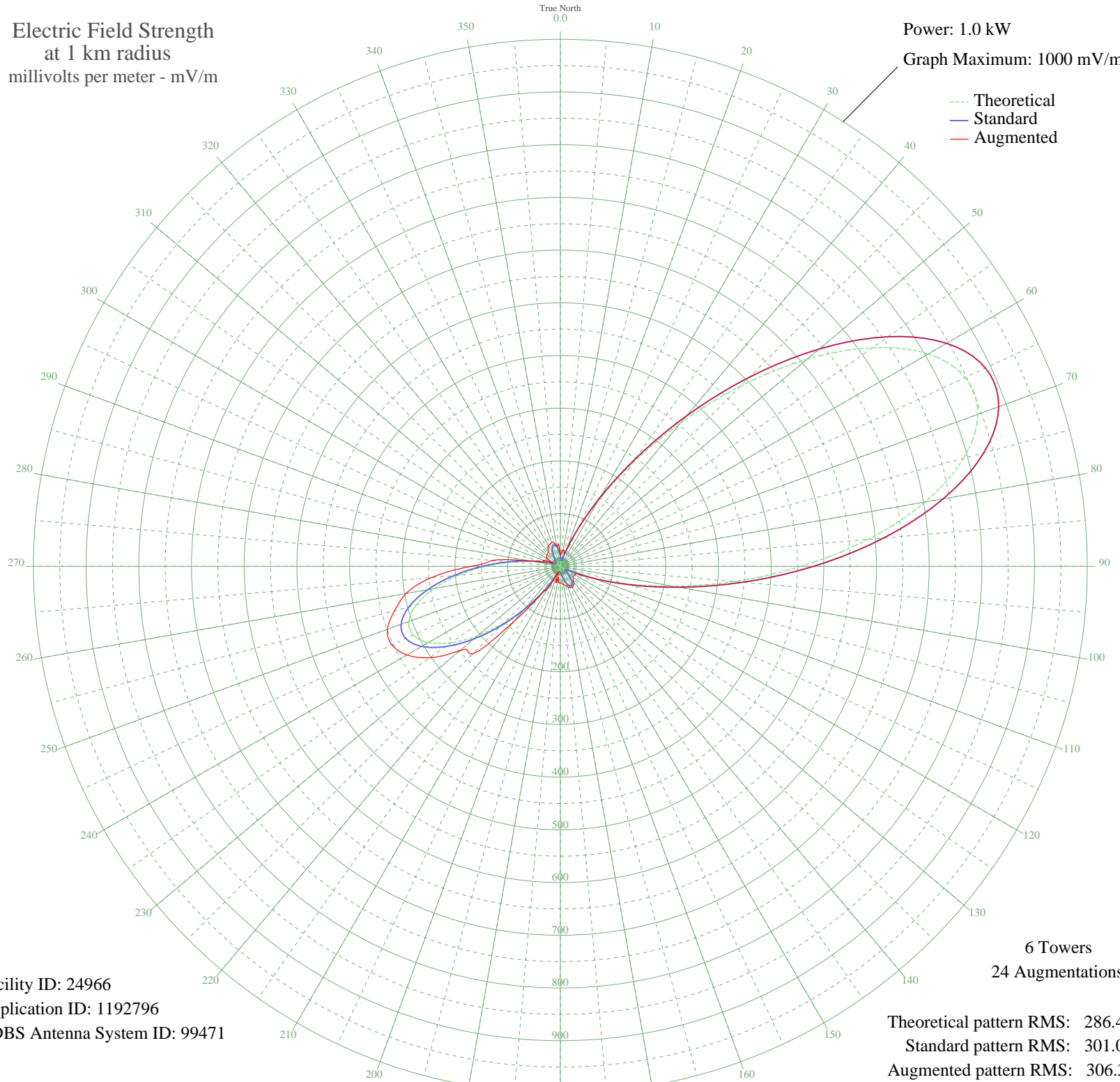


# WDRJ INKSTER, MI BML-20070622AFA 1440 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 24966  
Application ID: 1192796  
CDBS Antenna System ID: 99471

6 Towers  
24 Augmentations

Theoretical pattern RMS: 286.46  
Standard pattern RMS: 301.00  
Augmented pattern RMS: 306.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	15.70	19.55	21.07
5	5.29	11.88	26.90
10	0.25	10.50	32.19
15	5.64	12.05	26.98
20	28.13	31.35	32.32
25	72.83	77.19	77.19
30	142.96	150.47	150.47
35	238.42	250.56	250.56
40	354.79	372.68	372.68
45	483.17	507.44	507.44
50	610.86	641.49	641.49
55	723.19	759.42	759.42
60	805.87	846.23	846.23
65	847.77	890.22	890.22
70	843.02	885.24	885.24
75	792.31	831.99	831.99
80	702.66	737.87	737.96
85	586.07	615.47	616.36
90	457.10	480.07	481.65
95	330.21	346.88	347.84
100	217.45	228.56	228.56
105	126.85	133.60	133.60
110	61.92	65.85	65.85
115	22.01	25.38	33.18
120	3.36	11.08	32.19
125	0.48	10.51	31.66
130	7.12	12.89	32.19
135	17.97	21.60	34.24
140	28.61	31.83	39.43
145	36.16	39.39	43.27
150	39.17	42.45	46.15
155	37.51	40.76	43.78
160	32.00	35.20	41.33
165	24.11	27.41	36.85
170	15.61	19.47	35.51
175	8.17	13.56	33.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3.00	10.96	31.74
185	0.50	10.51	31.58
190	0.00	10.50	21.88
195	0.33	10.51	32.19
200	3.38	11.08	11.08
205	12.55	16.85	16.85
210	31.04	34.24	51.50
215	60.84	64.74	66.49
220	101.87	107.48	134.21
225	151.35	159.26	234.69
230	203.91	214.37	248.10
235	252.38	265.21	302.41
240	289.21	303.86	336.25
245	308.21	323.79	352.61
250	306.05	321.52	349.18
255	283.11	297.45	325.80
260	243.39	255.77	297.61
265	193.48	203.43	245.79
270	141.00	148.42	169.31
275	92.86	98.07	128.75
280	53.94	57.61	57.61
285	26.47	29.71	31.18
290	10.06	14.89	32.68
295	2.39	10.80	17.25
300	0.15	10.50	29.24
305	0.01	10.50	32.27
310	0.80	10.53	33.41
315	3.82	11.24	34.53
320	9.51	14.49	35.50
325	17.28	20.96	40.23
330	25.80	29.05	45.31
335	33.34	36.55	46.75
340	38.19	41.45	48.28
345	38.95	42.23	46.57
350	34.98	38.21	38.74
355	26.66	29.90	41.84

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission