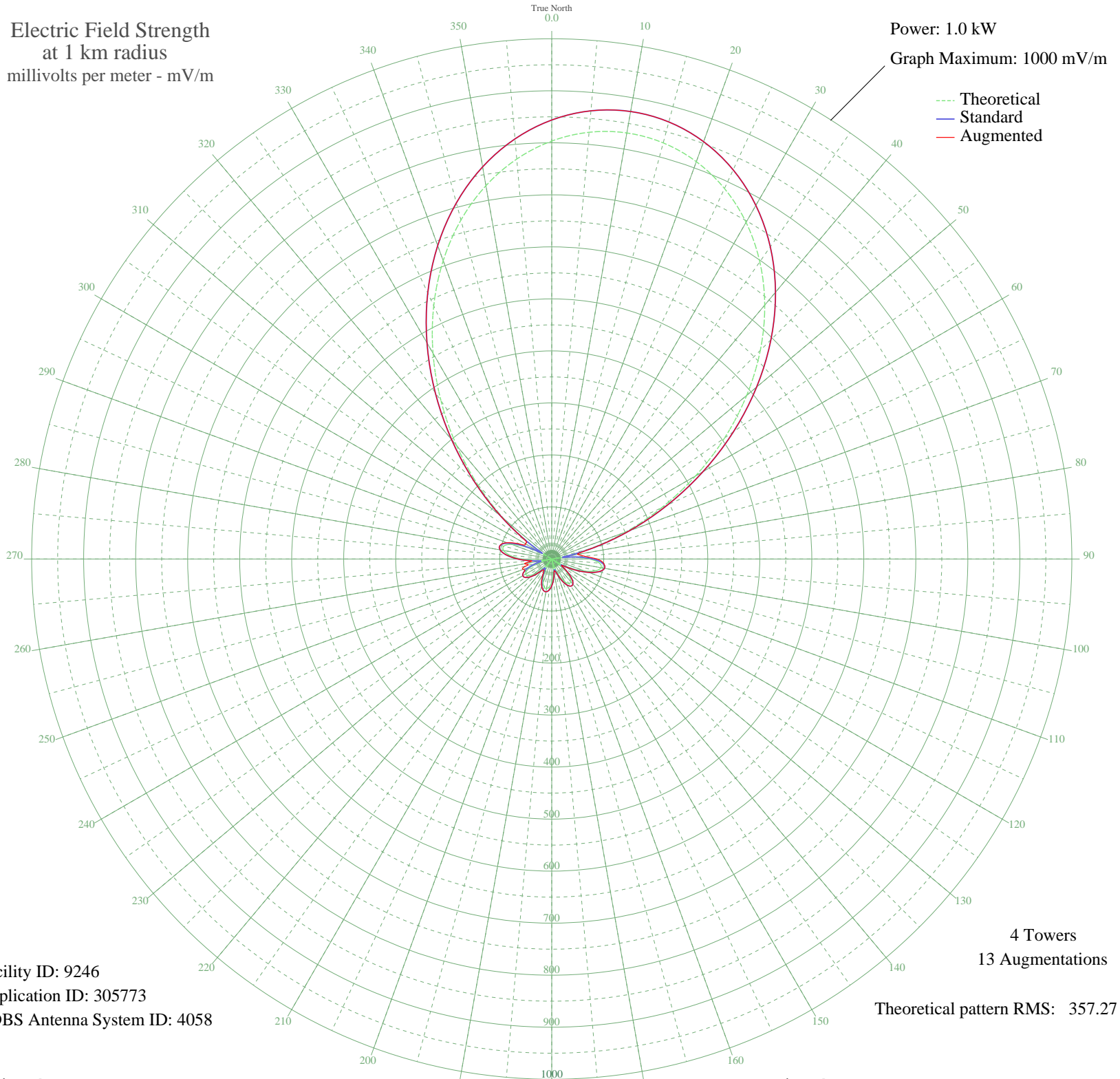


# WKHM JACKSON, MI BL-- 970 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 9246  
Application ID: 305773  
CDBS Antenna System ID: 4058

4 Towers  
13 Augmentations  
Theoretical pattern RMS: 357.27

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	803.40	843.83	843.83
5	823.38	864.80	864.80
10	831.62	873.44	873.44
15	828.09	869.74	869.74
20	812.80	853.69	853.69
25	785.81	825.36	825.36
30	747.25	784.89	784.89
35	697.47	732.63	732.63
40	637.10	669.27	669.27
45	567.20	595.92	595.92
50	489.37	514.26	514.26
55	405.80	426.59	426.59
60	319.26	335.86	335.86
65	233.04	245.57	245.57
70	150.74	159.63	159.63
75	76.00	82.45	82.45
80	12.18	24.34	50.76
85	38.05	45.01	62.68
90	72.97	79.37	86.80
95	92.08	98.88	100.26
100	96.18	103.09	103.09
105	87.30	93.98	93.98
110	68.46	74.81	74.81
115	43.32	49.98	50.82
120	15.73	26.50	28.60
125	10.66	23.55	23.78
130	32.84	40.23	40.23
135	48.64	55.12	55.12
140	56.89	63.23	63.23
145	57.38	63.72	63.72
150	50.79	57.21	57.21
155	38.44	45.36	45.36
160	22.09	31.10	31.10
165	3.71	21.08	24.14
170	14.72	25.85	25.88
175	31.40	38.94	39.02

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	44.82	51.42	51.50
185	53.82	60.19	60.24
190	57.65	63.98	63.99
195	56.00	62.34	62.34
200	49.00	55.47	56.24
205	37.24	44.25	46.29
210	21.70	30.79	33.47
215	3.76	21.09	25.99
220	14.87	25.94	28.46
225	32.27	39.71	39.71
230	46.45	52.99	52.99
235	55.54	61.88	61.88
240	58.00	64.33	64.33
245	52.88	59.26	59.26
250	40.02	46.85	58.51
255	20.18	29.63	50.09
260	4.85	21.33	53.03
265	32.36	39.80	39.80
270	58.94	65.26	65.26
275	80.76	87.29	87.29
280	94.04	100.89	100.89
285	95.44	102.33	102.50
290	82.50	89.07	91.28
295	53.92	60.28	67.59
300	9.67	23.07	58.42
305	49.00	55.46	61.89
310	119.74	127.42	127.42
315	199.44	210.44	210.44
320	284.54	299.48	299.48
325	371.36	390.48	390.48
330	456.49	479.76	479.76
335	536.91	564.14	564.14
340	610.21	641.05	641.05
345	674.54	708.57	708.57
350	728.66	765.37	765.37
355	771.76	810.61	810.61