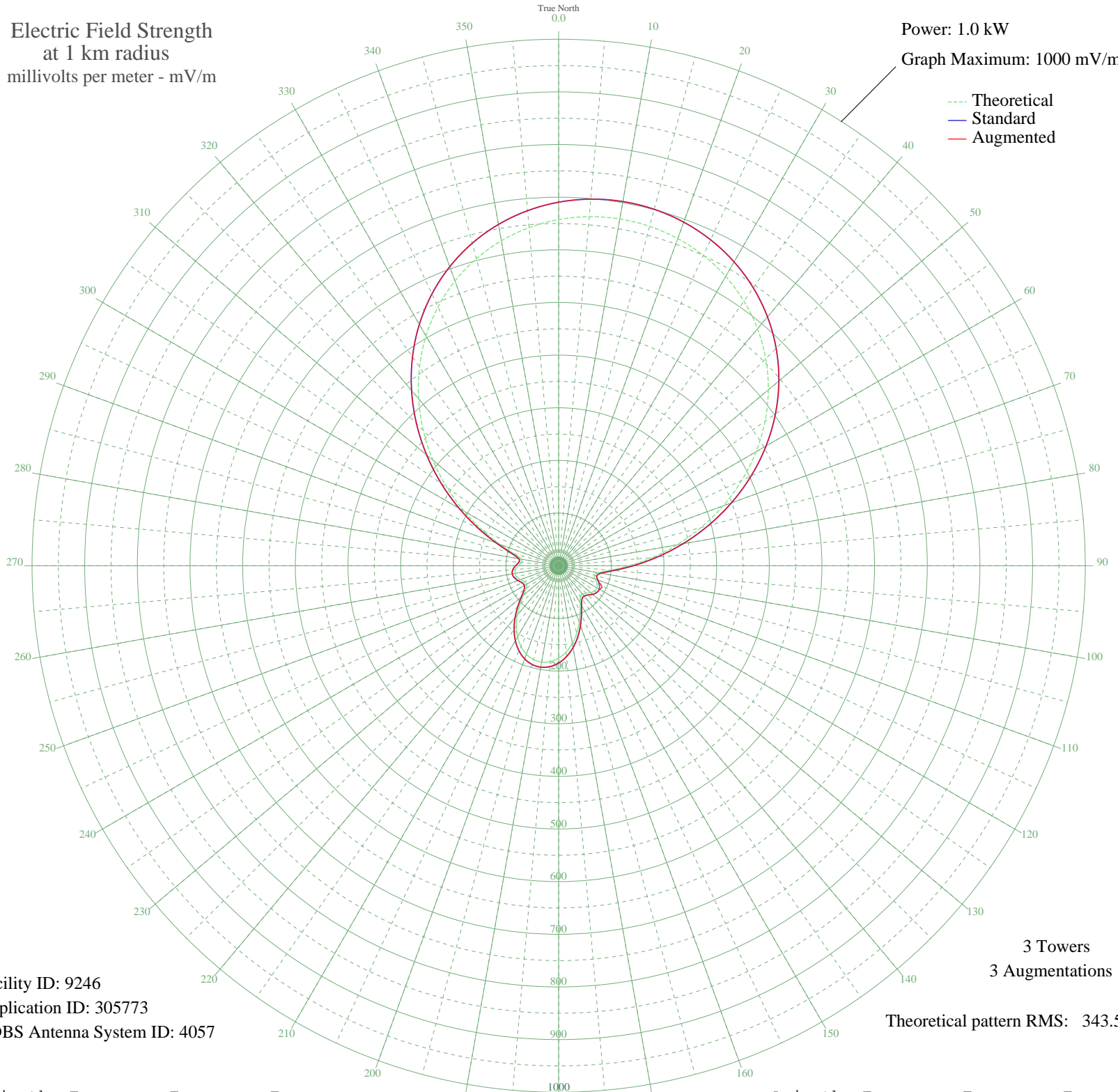


# WKHM JACKSON, MI BL-- 970 kHz

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: 9246  
Application ID: 305773  
CDBS Antenna System ID: 4057

3 Towers  
3 Augmentations

Theoretical pattern RMS: 343.59

Azimuth	Etheo	Estd	Eaug
0	657.47	690.48	690.48
5	665.50	698.92	698.92
10	668.80	702.38	702.38
15	667.39	700.90	700.90
20	661.26	694.46	694.46
25	650.33	682.99	682.99
30	634.47	666.34	666.34
35	613.54	644.37	644.37
40	587.44	616.97	616.97
45	556.13	584.10	584.10
50	519.70	545.87	545.87
55	478.45	502.57	502.57
60	432.88	454.74	454.74
65	383.78	403.22	403.22
70	332.24	349.14	349.14
75	279.63	293.95	293.95
80	227.65	239.45	239.45
85	178.34	187.79	187.79
90	134.27	141.68	141.68
95	98.87	104.77	104.77
100	76.64	81.70	81.70
105	70.06	74.91	74.91
110	74.05	79.02	79.02
115	80.25	85.44	90.25
120	83.82	89.13	89.63
125	83.28	88.58	88.58
130	79.22	84.37	84.37
135	73.72	78.68	78.68
140	70.19	75.03	75.70
145	72.32	77.23	77.30
150	81.67	86.90	86.90
155	96.65	102.46	102.46
160	114.50	121.05	121.05
165	132.80	140.15	140.15
170	149.81	157.93	157.93
175	164.31	173.10	173.10

Azimuth	Etheo	Estd	Eaug
180	175.47	184.78	184.78
185	182.74	192.39	192.39
190	185.78	195.58	195.58
195	184.47	194.21	194.21
200	178.87	188.34	188.34
205	169.21	178.23	178.23
210	155.96	164.37	164.37
215	139.84	147.50	147.50
220	121.88	128.75	128.75
225	103.60	109.69	109.69
230	87.14	92.57	92.57
235	75.22	80.23	80.23
240	70.20	75.04	75.64
245	71.85	76.75	76.75
250	77.03	82.10	82.10
255	82.00	87.24	87.24
260	84.10	89.43	89.43
265	82.14	87.39	87.39
270	76.63	81.69	81.69
275	70.90	75.76	75.76
280	72.23	77.14	77.14
285	88.15	93.62	93.62
290	118.83	125.57	125.57
295	159.92	168.50	168.50
300	207.48	218.30	218.30
305	258.66	271.96	271.96
310	311.24	327.10	327.10
315	363.39	381.82	381.82
320	413.61	434.52	434.52
325	460.70	483.94	483.94
330	503.76	529.13	529.13
335	542.16	569.44	569.44
340	575.54	604.48	604.48
345	603.73	634.07	634.07
350	626.71	658.20	658.20
355	644.58	676.96	676.96

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission