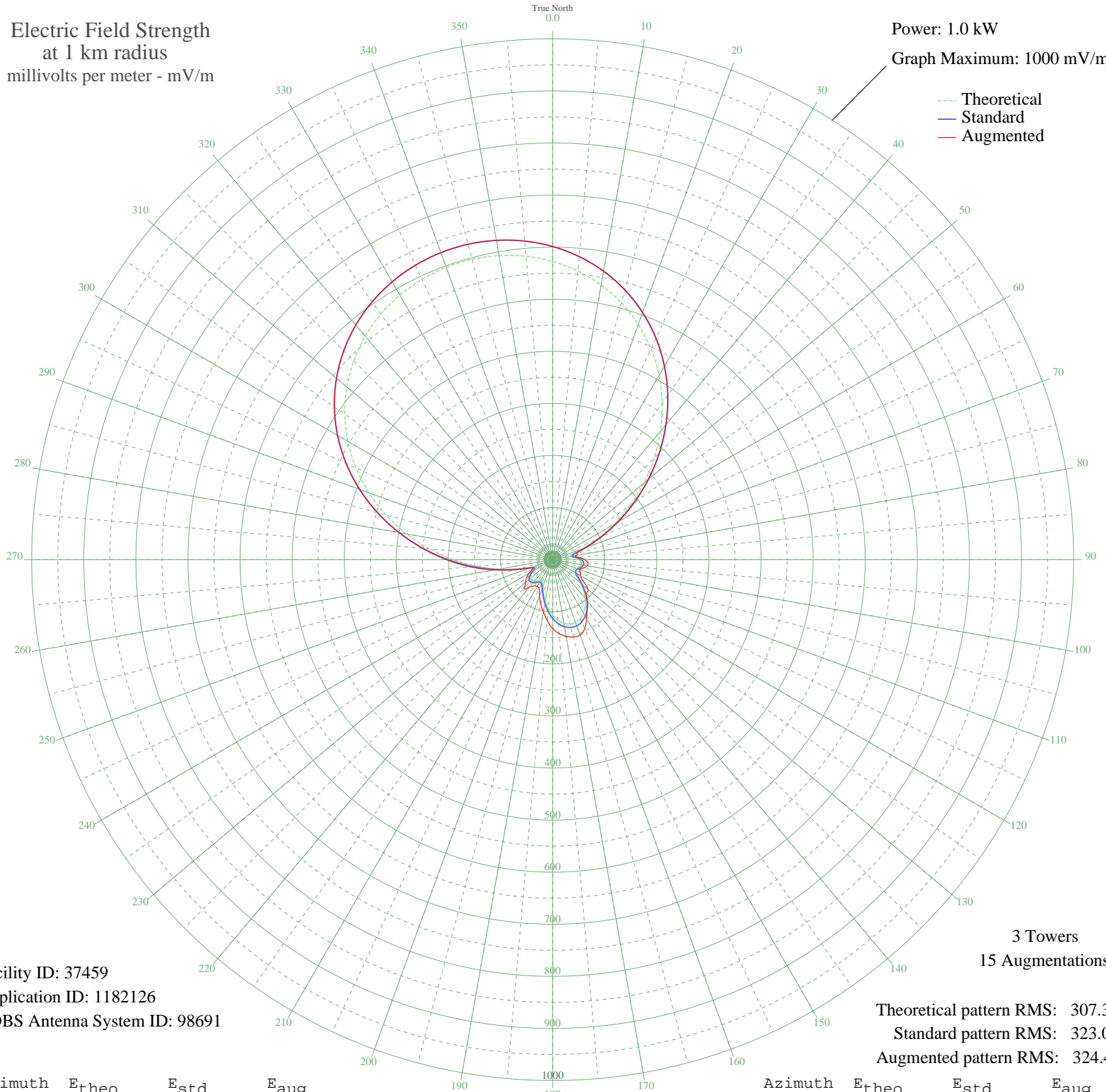


# WBCK BATTLE CREEK, MI BL-20070410AEF 930 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 37459  
Application ID: 1182126  
CDBS Antenna System ID: 98691

3 Towers  
15 Augmentations

Theoretical pattern RMS: 307.38  
Standard pattern RMS: 323.00  
Augmented pattern RMS: 324.40

Azimuth	Etheo	Estd	Eaug
0	572.50	601.24	601.24
5	556.19	584.12	584.12
10	535.53	562.43	562.43
15	510.38	536.03	536.03
20	480.73	504.91	504.91
25	446.67	469.15	469.15
30	408.48	429.07	429.07
35	366.67	385.19	385.19
40	321.97	338.28	338.28
45	275.35	289.36	289.36
50	227.99	239.69	239.69
55	181.29	190.73	190.73
60	136.80	144.14	144.14
65	96.31	101.83	101.89
70	62.26	66.47	66.72
75	39.36	43.03	47.01
80	34.74	38.40	46.24
85	42.85	46.56	50.09
90	51.38	55.27	61.49
95	55.97	59.98	67.71
100	56.09	60.10	67.57
105	52.75	56.67	61.99
110	48.07	51.88	54.56
115	45.37	49.12	59.12
120	48.02	51.83	61.91
125	56.73	60.76	71.27
130	69.36	73.81	88.51
135	83.42	88.41	91.28
140	97.06	102.62	103.61
145	109.06	115.14	116.37
150	118.59	125.10	130.20
155	125.10	131.90	145.66
160	128.25	135.20	154.13
165	127.90	134.83	153.76
170	124.06	130.81	149.55
175	116.91	123.34	142.51

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	106.84	112.82	132.52
185	94.43	99.88	117.71
190	80.59	85.47	101.88
195	66.65	71.00	88.65
200	54.58	58.55	73.57
205	46.97	50.76	61.64
210	45.57	49.33	59.34
215	48.97	52.80	61.61
220	53.61	57.55	67.57
225	56.39	60.41	78.03
230	55.42	59.41	67.59
235	49.93	53.78	61.26
240	40.92	44.61	52.64
245	34.17	37.83	42.91
250	42.67	46.38	46.82
255	68.39	72.80	74.01
260	103.98	109.84	114.41
265	145.44	153.18	158.87
270	190.51	200.39	204.54
275	237.46	249.62	251.28
280	284.77	299.25	299.38
285	331.10	347.86	347.86
290	375.29	394.24	394.24
295	416.43	437.41	437.41
300	453.82	476.66	476.66
305	487.02	511.51	511.51
310	515.77	541.69	541.69
315	540.01	567.14	567.14
320	559.80	587.91	587.91
325	575.25	604.13	604.13
330	586.55	616.00	616.00
335	593.86	623.66	623.66
340	597.28	627.26	627.26
345	596.90	626.86	626.86
350	592.71	622.46	622.46
355	584.62	613.97	613.97