

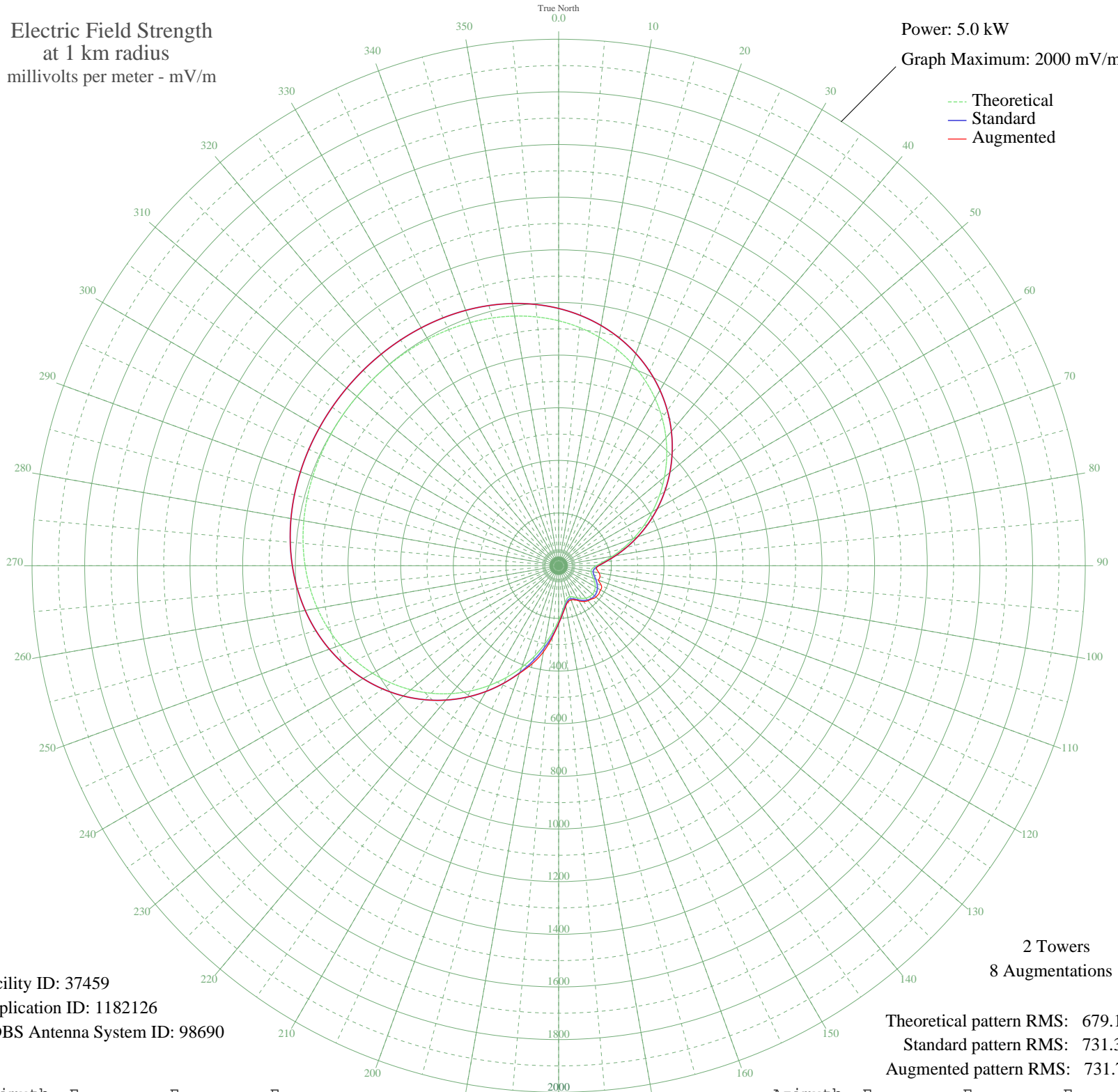
# WBCK BATTLE CREEK, MI BL-20070410AEF 930 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 37459  
Application ID: 1182126  
CDBS Antenna System ID: 98690

Theoretical pattern RMS: 679.14  
Standard pattern RMS: 731.30  
Augmented pattern RMS: 731.70

Azimuth	Etheo	Estd	Eaug
0	930.54	977.35	977.35
5	908.55	954.27	954.27
10	882.30	926.72	926.72
15	851.60	894.49	894.49
20	816.39	857.53	857.53
25	776.72	815.90	815.90
30	732.84	769.84	769.84
35	685.10	719.74	719.74
40	634.03	666.15	666.15
45	580.28	609.75	609.75
50	524.63	551.36	551.36
55	467.96	491.92	491.92
60	411.24	432.44	432.44
65	355.55	374.07	374.07
70	302.08	318.05	318.05
75	252.19	265.84	265.84
80	207.53	219.16	219.16
85	170.21	180.25	180.25
90	142.81	151.78	151.78
95	127.62	136.05	144.60
100	124.66	132.98	155.52
105	130.60	139.13	162.38
110	140.79	149.68	161.24
115	151.49	160.79	179.42
120	160.36	170.01	184.05
125	166.11	175.99	186.19
130	168.09	178.05	185.07
135	166.11	175.99	178.47
140	160.36	170.01	173.57
145	151.49	160.79	165.97
150	140.79	149.68	154.19
155	130.60	139.13	142.73
160	124.66	132.98	138.57
165	127.62	136.05	141.06
170	142.81	151.78	155.48
175	170.21	180.25	181.95

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	207.53	219.16	219.16
185	252.19	265.84	272.51
190	302.08	318.05	331.97
195	355.55	374.07	384.97
200	411.24	432.44	435.23
205	467.96	491.92	491.92
210	524.63	551.36	551.36
215	580.28	609.75	609.75
220	634.03	666.15	666.15
225	685.10	719.74	719.74
230	732.84	769.84	769.84
235	776.72	815.90	815.90
240	816.39	857.53	857.53
245	851.60	894.49	894.49
250	882.30	926.72	926.72
255	908.55	954.27	954.27
260	930.54	977.35	977.35
265	948.56	996.27	996.27
270	963.00	1011.42	1011.42
275	974.27	1023.25	1023.25
280	982.83	1032.24	1032.24
285	989.14	1038.87	1038.87
290	993.64	1043.59	1043.59
295	996.70	1046.80	1046.80
300	998.65	1048.84	1048.84
305	999.72	1049.96	1049.96
310	1000.06	1050.32	1050.32
315	999.72	1049.96	1049.96
320	998.65	1048.84	1048.84
325	996.70	1046.80	1046.80
330	993.64	1043.59	1043.59
335	989.14	1038.87	1038.87
340	982.83	1032.24	1032.24
345	974.27	1023.25	1023.25
350	962.99	1011.42	1011.42
355	948.56	996.27	996.27