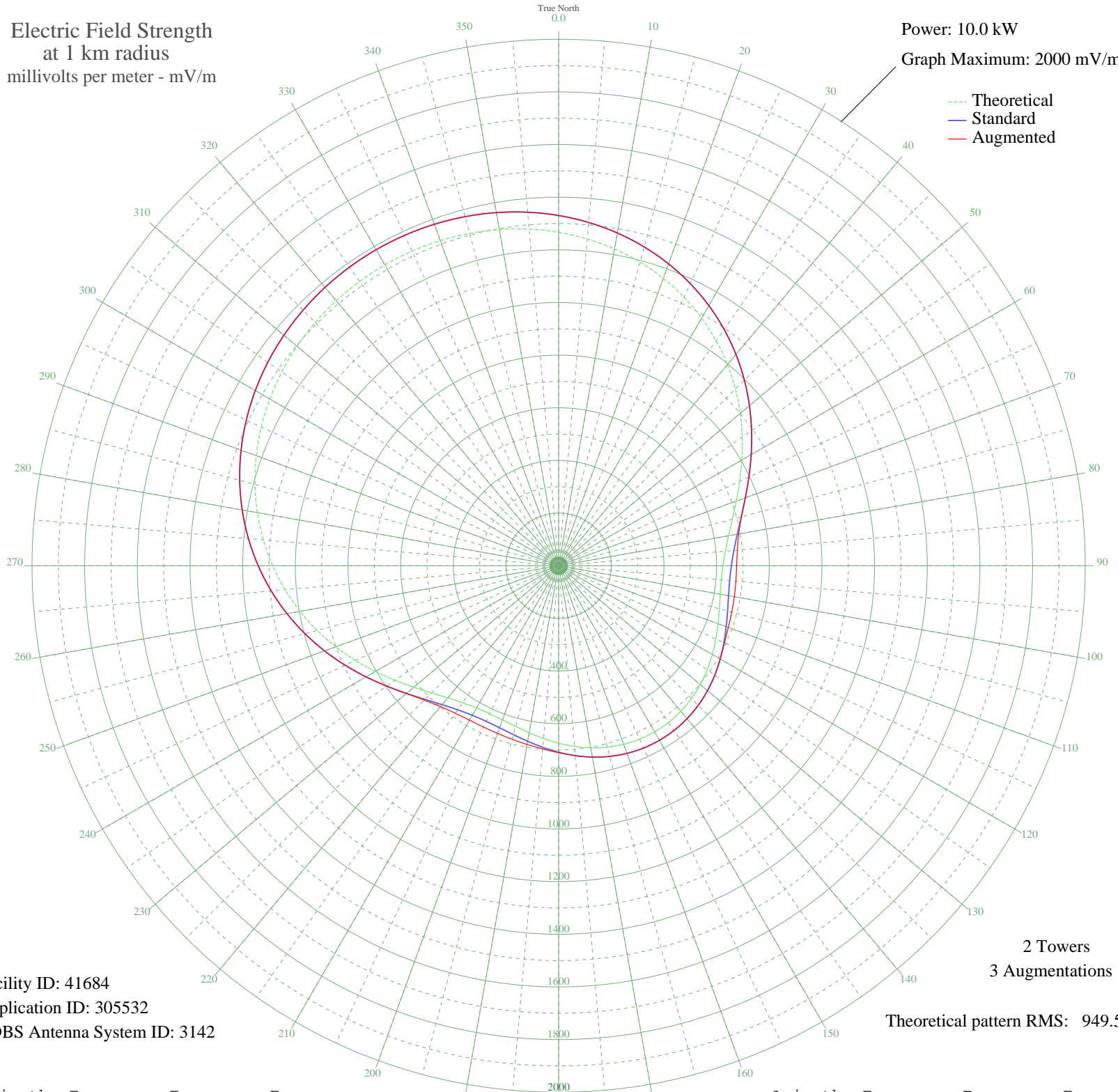


# WKAR EAST LANSING, MI BL-- 870 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 41684  
Application ID: 305532  
CDBS Antenna System ID: 3142

2 Towers  
3 Augmentations

Theoretical pattern RMS: 949.51

Azimuth	Etheo	Estd	Eaug
0	1266.63	1330.38	1330.38
5	1246.21	1308.94	1308.94
10	1221.99	1283.52	1283.52
15	1193.87	1254.00	1254.00
20	1161.79	1220.33	1220.33
25	1125.82	1182.57	1182.57
30	1086.14	1140.93	1140.93
35	1043.13	1095.79	1095.79
40	997.30	1047.69	1047.69
45	949.38	997.41	997.41
50	900.32	945.92	945.92
55	851.25	894.43	894.43
60	803.49	844.32	844.32
65	758.52	797.14	797.14
70	717.88	754.50	754.50
75	683.06	717.98	718.81
80	655.32	688.89	694.59
85	635.53	668.13	681.35
90	623.94	655.98	676.21
95	620.18	652.03	675.71
100	623.25	655.26	677.36
105	631.76	664.18	680.41
110	644.09	677.11	685.69
115	658.64	692.37	694.72
120	673.96	708.43	708.43
125	688.80	724.01	724.01
130	702.18	738.04	738.04
135	713.31	749.71	749.71
140	721.64	758.45	758.45
145	726.78	763.84	763.84
150	728.52	765.67	765.67
155	726.78	763.84	763.86
160	721.64	758.45	758.51
165	713.31	749.71	749.84
170	702.18	738.04	738.21
175	688.80	724.01	724.20

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

Azimuth	Etheo	Estd	Eaug
180	673.96	708.43	710.21
185	658.64	692.37	698.53
190	644.09	677.11	689.36
195	631.76	664.18	682.50
200	623.25	655.26	677.85
205	620.18	652.03	675.74
210	623.94	655.98	677.25
215	635.53	668.13	684.12
220	655.32	688.89	698.43
225	683.06	717.98	721.84
230	717.88	754.50	755.05
235	758.52	797.14	797.14
240	803.49	844.32	844.32
245	851.25	894.43	894.43
250	900.32	945.92	945.92
255	949.38	997.41	997.41
260	997.30	1047.69	1047.69
265	1043.13	1095.79	1095.79
270	1086.14	1140.93	1140.93
275	1125.82	1182.57	1182.57
280	1161.79	1220.33	1220.33
285	1193.87	1254.00	1254.00
290	1221.99	1283.52	1283.52
295	1246.21	1308.94	1308.94
300	1266.63	1330.38	1330.38
305	1283.44	1348.02	1348.02
310	1296.83	1362.08	1362.08
315	1307.01	1372.76	1372.76
320	1314.13	1380.24	1380.24
325	1318.35	1384.66	1384.66
330	1319.74	1386.13	1386.13
335	1318.35	1384.66	1384.66
340	1314.13	1380.24	1380.24
345	1307.01	1372.76	1372.76
350	1296.83	1362.08	1362.08
355	1283.44	1348.02	1348.02