

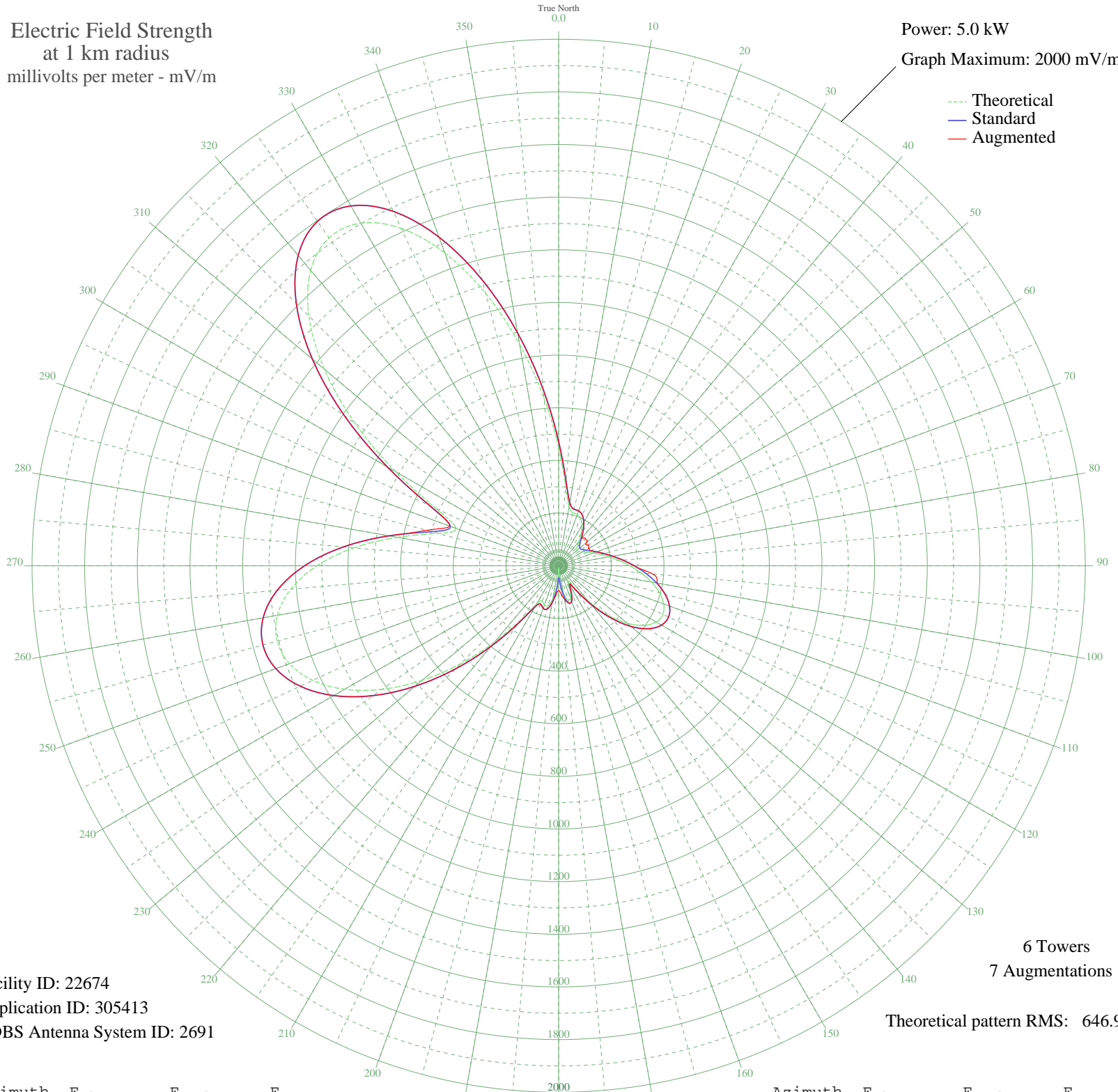
# WSGW SAGINAW, MI BL-- 790 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 22674  
Application ID: 305413  
CDBS Antenna System ID: 2691

6 Towers  
7 Augmentations

Theoretical pattern RMS: 646.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	447.36	471.69	471.69
5	304.33	322.42	322.42
10	227.68	242.89	242.89
15	208.14	222.72	222.72
20	206.95	221.50	221.50
25	198.19	212.48	212.48
30	177.05	190.80	190.80
35	148.38	161.61	161.61
40	119.82	132.93	135.64
45	98.86	112.33	143.10
50	90.39	104.17	141.05
55	93.85	107.48	138.40
60	105.07	118.38	131.97
65	120.97	134.08	134.08
70	140.75	153.89	153.89
75	164.89	178.38	178.38
80	194.28	208.47	208.47
85	229.46	244.73	244.73
90	269.96	286.69	286.69
95	313.87	332.35	358.42
100	357.68	378.01	380.51
105	396.53	418.56	418.56
110	424.76	448.05	448.05
115	436.71	460.55	460.55
120	427.70	451.13	451.13
125	395.06	417.03	417.03
130	339.11	358.64	358.64
135	263.89	280.39	280.39
140	177.87	191.63	191.63
145	97.12	110.64	110.64
150	65.88	81.41	81.41
155	100.99	114.40	114.40
160	131.09	144.18	144.18
165	133.39	146.49	146.80
170	105.80	119.09	130.27
175	54.15	71.24	107.07

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	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	13.51	45.21	94.12
185	77.15	91.68	109.50
190	128.80	141.89	143.13
195	156.90	170.24	170.24
200	158.72	172.10	172.10
205	148.04	161.25	161.25
210	167.82	181.36	181.36
215	250.90	266.92	266.92
220	378.64	399.88	399.88
225	526.51	554.50	554.50
230	677.38	712.55	712.55
235	818.20	860.18	860.18
240	938.59	986.45	986.45
245	1030.46	1082.84	1082.84
250	1087.84	1143.04	1143.04
255	1106.64	1162.77	1162.77
260	1084.54	1139.58	1139.58
265	1021.01	1072.92	1072.92
270	917.81	964.65	964.65
275	780.28	820.42	820.42
280	621.36	653.84	653.84
285	473.67	499.20	519.65
290	414.48	437.32	439.82
295	513.55	540.94	540.94
300	715.09	752.07	752.07
305	944.84	993.01	993.01
310	1162.10	1220.96	1220.96
315	1341.51	1409.23	1409.23
320	1464.93	1538.78	1538.78
325	1520.34	1596.94	1596.94
330	1502.54	1578.25	1578.25
335	1413.91	1485.23	1485.23
340	1264.46	1328.38	1328.38
345	1070.81	1125.17	1125.17
350	854.27	898.01	898.01
355	638.47	671.77	671.77