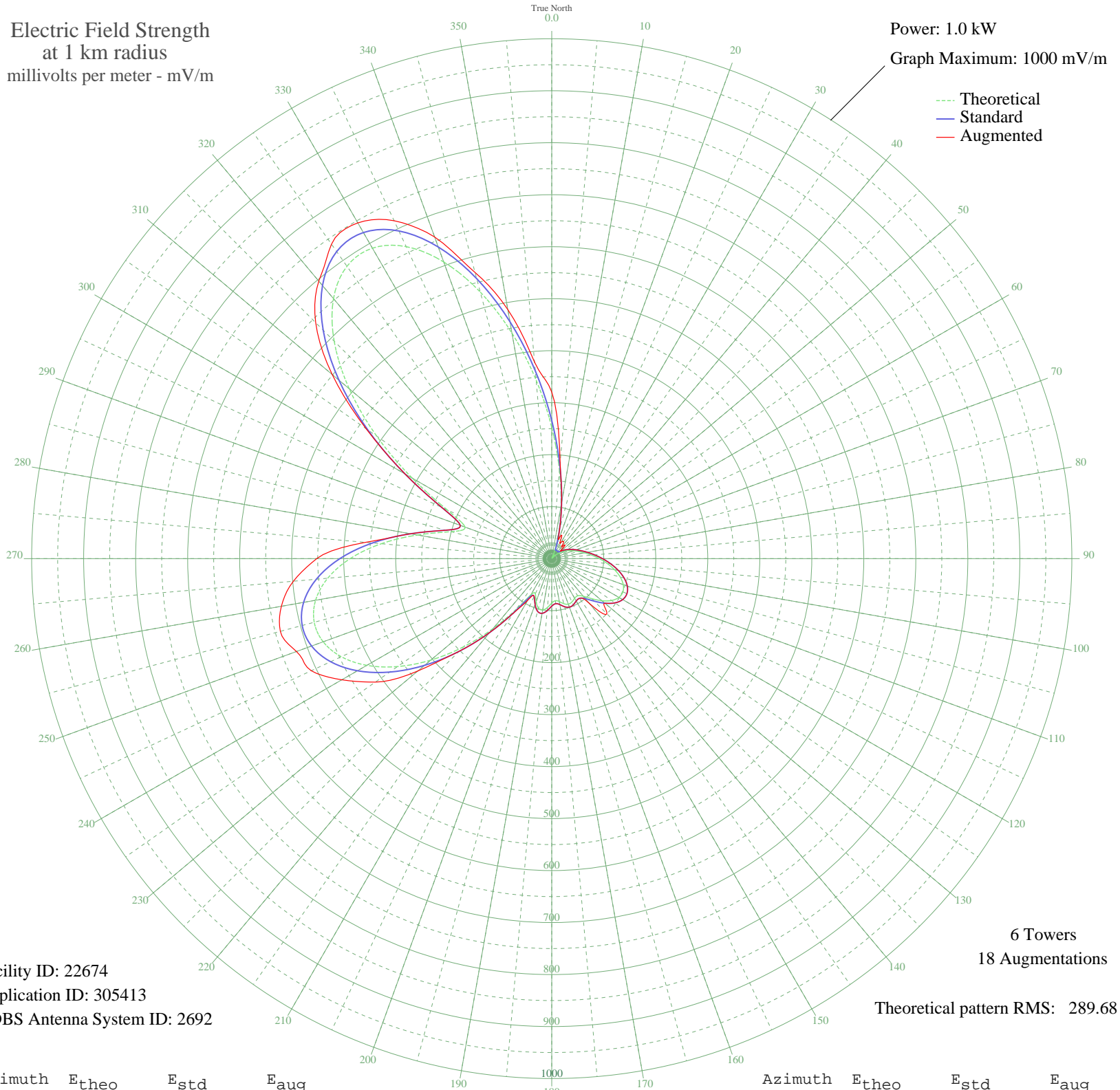


# WSGW SAGINAW, MI BL-- 790 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 22674  
Application ID: 305413  
CDBS Antenna System ID: 2692

6 Towers  
18 Augmentations  
Theoretical pattern RMS: 289.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	252.50	265.68	320.44
5	170.18	179.52	185.41
10	102.68	109.19	109.19
15	52.20	57.47	58.29
20	18.57	26.06	40.89
25	0.50	17.29	43.07
30	7.58	19.03	36.69
35	6.91	18.74	39.73
40	1.86	17.39	28.94
45	6.11	18.43	35.92
50	13.96	22.66	22.66
55	21.57	28.49	28.49
60	28.88	34.91	34.91
65	36.27	41.82	41.82
70	44.26	49.58	49.58
75	53.43	58.70	58.81
80	64.24	69.63	69.94
85	76.97	82.64	82.72
90	91.46	97.57	97.57
95	107.05	113.73	113.73
100	122.53	129.82	129.82
105	136.25	144.10	144.10
110	146.32	154.60	154.60
115	151.01	159.49	159.49
120	149.08	157.49	157.49
125	140.31	148.34	148.34
130	125.90	133.32	133.32
135	108.93	115.68	150.07
140	94.37	100.58	112.10
145	87.23	93.21	93.21
150	88.08	94.09	94.09
155	91.89	98.02	98.02
160	93.13	99.30	99.30
165	89.71	95.77	95.77
170	83.90	89.77	89.77
175	81.16	86.95	86.95

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	85.49	91.41	91.41
185	94.18	100.39	100.39
190	100.40	106.82	106.82
195	98.62	104.99	104.99
200	87.65	93.64	93.64
205	74.58	80.19	80.19
210	80.58	86.35	92.51
215	118.53	125.65	126.78
220	175.70	185.29	185.29
225	239.91	252.50	252.50
230	303.74	319.39	336.23
235	361.93	380.42	414.05
240	410.50	431.37	466.06
245	446.47	469.11	510.15
250	467.71	491.40	522.34
255	472.83	496.78	540.24
260	461.10	484.46	527.85
265	432.44	454.39	498.67
270	387.66	407.41	451.87
275	329.01	345.90	359.44
280	261.95	275.59	275.59
285	200.42	211.15	211.15
290	177.45	187.12	187.12
295	221.81	233.54	233.54
300	309.80	325.74	325.74
305	410.89	431.78	435.82
310	508.37	534.07	551.04
315	591.64	621.46	641.82
320	652.85	685.71	696.80
325	686.48	721.01	738.31
330	689.57	724.25	745.68
335	662.14	695.47	717.11
340	607.28	637.88	658.36
345	530.79	557.60	569.82
350	440.44	462.78	486.41
355	344.89	362.55	379.50