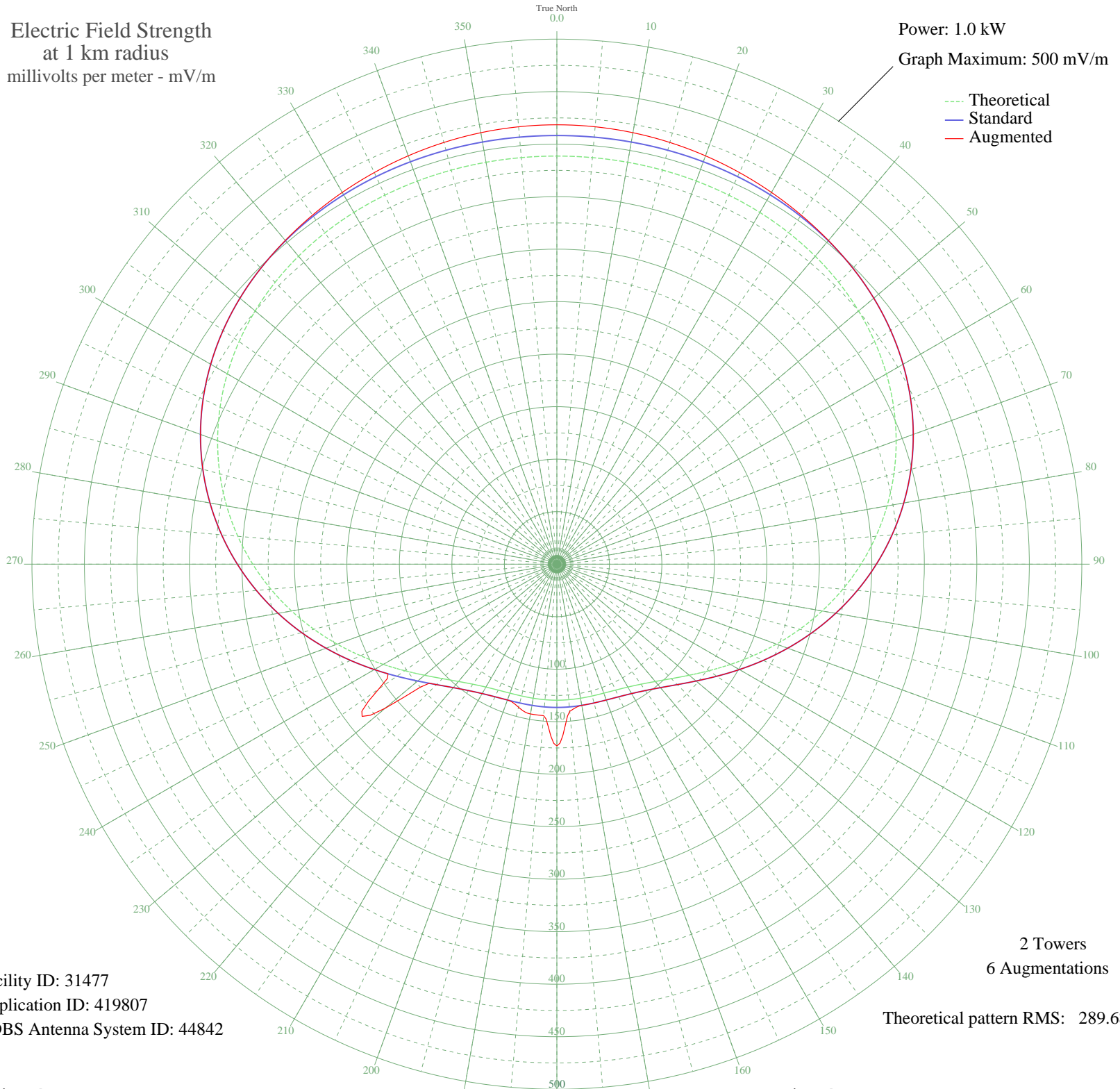


WIOS TAWAS CITY-EAST TAWA, MI BL-- 1480 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 500 mV/m



Facility ID: 31477
Application ID: 419807
CDBS Antenna System ID: 44842

2 Towers
6 Augmentations

Theoretical pattern RMS: 289.68

Azimuth	E _{theo}	E _{std}	E _{aug}
0	388.65	408.21	418.43
5	388.64	408.21	418.12
10	388.62	408.19	417.22
15	388.52	408.08	415.77
20	388.26	407.81	413.84
25	387.71	407.23	411.49
30	386.74	406.21	408.80
35	385.17	404.56	405.78
40	382.84	402.12	402.43
45	379.56	398.68	398.68
50	375.17	394.07	394.07
55	369.51	388.13	388.13
60	362.47	380.74	380.74
65	353.95	371.79	371.79
70	343.90	361.25	361.25
75	332.36	349.13	349.13
80	319.37	335.51	335.51
85	305.08	320.51	320.51
90	289.68	304.35	304.35
95	273.41	287.27	287.27
100	256.57	269.61	269.61
105	239.52	251.71	251.71
110	222.62	233.98	233.98
115	206.28	216.85	216.85
120	190.91	200.73	200.73
125	176.88	186.02	186.02
130	164.55	173.10	173.10
135	154.15	162.20	162.20
140	145.83	153.48	153.48
145	139.55	146.90	146.90
150	135.14	142.29	142.29
155	132.32	139.33	139.33
160	130.71	137.64	137.64
165	129.92	136.82	136.82
170	129.62	136.51	136.51
175	129.55	136.44	140.70

Azimuth	E _{theo}	E _{std}	E _{aug}
180	129.55	136.43	173.12
185	129.55	136.44	144.81
190	129.62	136.51	144.84
195	129.92	136.82	141.04
200	130.71	137.64	137.64
205	132.32	139.33	139.33
210	135.14	142.29	142.29
215	139.55	146.90	146.90
220	145.83	153.48	153.48
225	154.15	162.20	162.20
230	164.55	173.10	213.30
235	176.88	186.02	206.89
240	190.91	200.73	200.73
245	206.28	216.85	216.85
250	222.62	233.98	233.98
255	239.52	251.71	251.71
260	256.57	269.61	269.61
265	273.41	287.27	287.27
270	289.68	304.35	304.35
275	305.08	320.51	320.51
280	319.37	335.51	335.51
285	332.36	349.13	349.13
290	343.90	361.25	361.25
295	353.95	371.79	371.79
300	362.47	380.74	380.74
305	369.51	388.13	388.13
310	375.17	394.07	394.07
315	379.56	398.68	398.68
320	382.84	402.12	402.43
325	385.17	404.56	405.78
330	386.74	406.21	408.80
335	387.71	407.23	411.49
340	388.26	407.81	413.84
345	388.52	408.08	415.77
350	388.62	408.19	417.22
355	388.64	408.21	418.12

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission