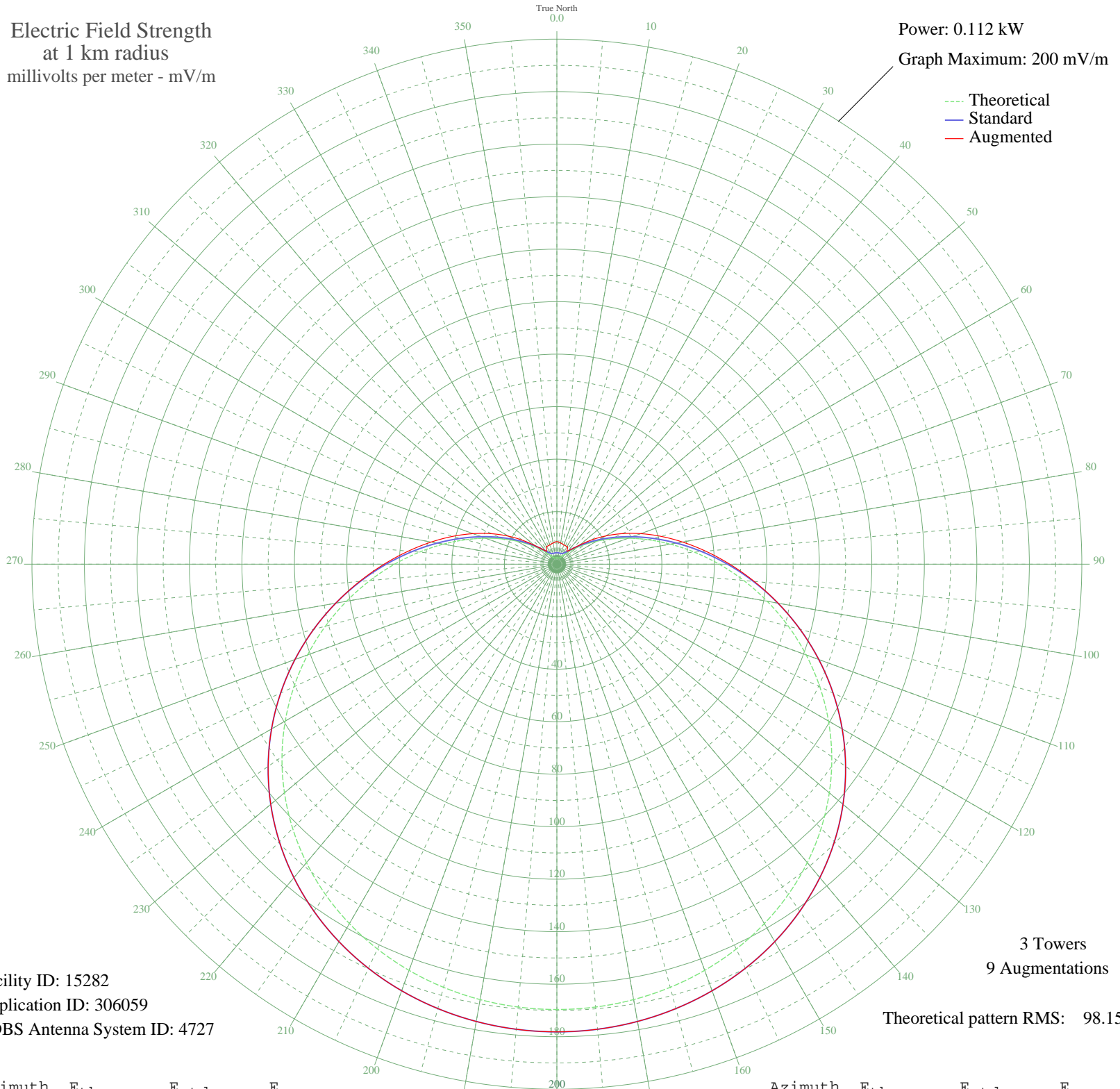


# WTIG MASSILLON, OH BL-- 990 kHz

Nighttime

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

Power: 0.112 kW  
Graph Maximum: 200 mV/m



Facility ID: 15282  
Application ID: 306059  
CDBS Antenna System ID: 4727

3 Towers  
9 Augmentations

Theoretical pattern RMS: 98.15

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2.50	4.38	8.60
5	2.48	4.37	8.41
10	2.44	4.35	8.20
15	2.41	4.33	7.99
20	2.45	4.35	7.80
25	2.65	4.48	7.74
30	3.10	4.79	7.80
35	3.92	5.41	6.94
40	5.22	6.51	6.51
45	7.12	8.26	8.26
50	9.74	10.81	11.31
55	13.17	14.26	16.00
60	17.48	18.69	21.51
65	22.73	24.12	27.53
70	28.91	30.56	34.01
75	36.00	37.96	41.00
80	43.93	46.26	48.61
85	52.59	55.33	56.90
90	61.83	65.01	65.88
95	71.49	75.14	75.49
100	81.38	85.52	85.59
105	91.31	95.94	95.94
110	101.09	106.20	106.20
115	110.53	116.11	116.11
120	119.50	125.52	125.52
125	127.85	134.29	134.29
130	135.49	142.31	142.31
135	142.36	149.52	149.52
140	148.42	155.88	155.88
145	153.66	161.38	161.38
150	158.09	166.03	166.03
155	161.74	169.86	169.86
160	164.65	172.92	172.92
165	166.87	175.24	175.24
170	168.41	176.87	176.87
175	169.33	177.83	177.83

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	169.63	178.15	178.15
185	169.33	177.83	177.83
190	168.41	176.87	176.87
195	166.87	175.24	175.24
200	164.65	172.92	172.92
205	161.74	169.86	169.86
210	158.09	166.03	166.03
215	153.66	161.38	161.38
220	148.42	155.88	155.88
225	142.36	149.52	149.52
230	135.49	142.31	142.31
235	127.85	134.29	134.29
240	119.50	125.52	125.52
245	110.53	116.11	116.11
250	101.09	106.20	106.20
255	91.31	95.94	95.94
260	81.38	85.52	85.52
265	71.49	75.14	75.44
270	61.83	65.01	65.83
275	52.59	55.33	56.86
280	43.93	46.26	48.59
285	36.00	37.96	41.00
290	28.91	30.56	33.99
295	22.73	24.12	27.45
300	17.48	18.69	21.35
305	13.17	14.26	15.77
310	9.74	10.81	11.12
315	7.12	8.26	8.26
320	5.22	6.51	6.51
325	3.92	5.41	6.94
330	3.10	4.79	7.80
335	2.65	4.48	7.74
340	2.45	4.35	7.80
345	2.41	4.33	7.99
350	2.44	4.35	8.20
355	2.48	4.37	8.41

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