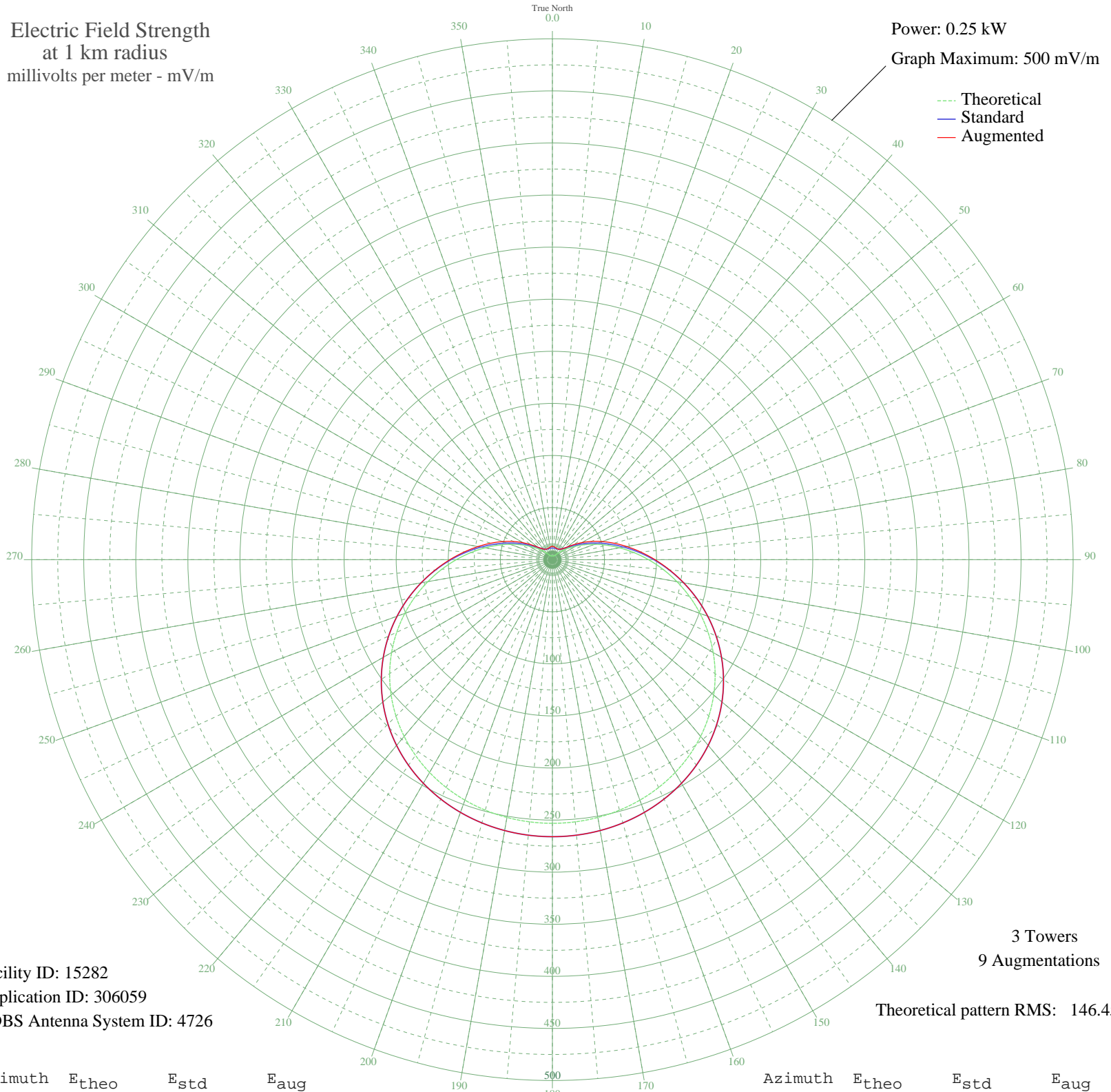


# WTIG MASSILLON, OH BL-- 990 kHz

Daytime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 15282  
Application ID: 306059  
CDBS Antenna System ID: 4726

3 Towers  
9 Augmentations  
Theoretical pattern RMS: 146.45

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3.73	11.21	12.87
5	3.70	11.20	12.56
10	3.64	11.17	12.23
15	3.59	11.16	11.90
20	3.66	11.18	11.59
25	3.95	11.29	11.51
30	4.62	11.57	11.59
35	5.84	12.16	12.17
40	7.78	13.30	13.30
45	10.62	15.32	15.32
50	14.53	18.52	19.07
55	19.64	23.15	25.19
60	26.08	29.33	32.75
65	33.91	37.12	41.33
70	43.13	46.49	50.78
75	53.71	57.37	61.16
80	65.54	69.61	72.55
85	78.46	83.05	85.01
90	92.25	97.43	98.51
95	106.66	112.48	112.92
100	121.42	127.92	128.00
105	136.23	143.43	143.43
110	150.82	158.71	158.71
115	164.92	173.48	173.48
120	178.29	187.50	187.50
125	190.75	200.57	200.57
130	202.16	212.52	212.52
135	212.40	223.27	223.27
140	221.44	232.75	232.75
145	229.26	240.95	240.95
150	235.87	247.88	247.88
155	241.32	253.60	253.60
160	245.66	258.16	258.16
165	248.96	261.62	261.62
170	251.27	264.05	264.05
175	252.64	265.48	265.48

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	253.09	265.96	265.96
185	252.64	265.48	265.48
190	251.27	264.05	264.05
195	248.96	261.62	261.62
200	245.66	258.16	258.16
205	241.32	253.60	253.60
210	235.87	247.88	247.88
215	229.26	240.95	240.95
220	221.44	232.75	232.75
225	212.40	223.27	223.27
230	202.16	212.52	212.52
235	190.75	200.57	200.57
240	178.29	187.50	187.50
245	164.92	173.48	173.48
250	150.82	158.71	158.71
255	136.23	143.43	143.43
260	121.42	127.92	127.92
265	106.66	112.48	112.86
270	92.25	97.43	98.45
275	78.46	83.05	84.97
280	65.54	69.61	72.53
285	53.71	57.37	61.16
290	43.13	46.49	50.76
295	33.91	37.12	41.23
300	26.08	29.33	32.56
305	19.64	23.15	24.91
310	14.53	18.52	18.86
315	10.62	15.32	15.32
320	7.78	13.30	13.30
325	5.84	12.16	12.17
330	4.62	11.57	11.59
335	3.95	11.29	11.51
340	3.66	11.18	11.59
345	3.59	11.16	11.90
350	3.64	11.17	12.23
355	3.70	11.20	12.56

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