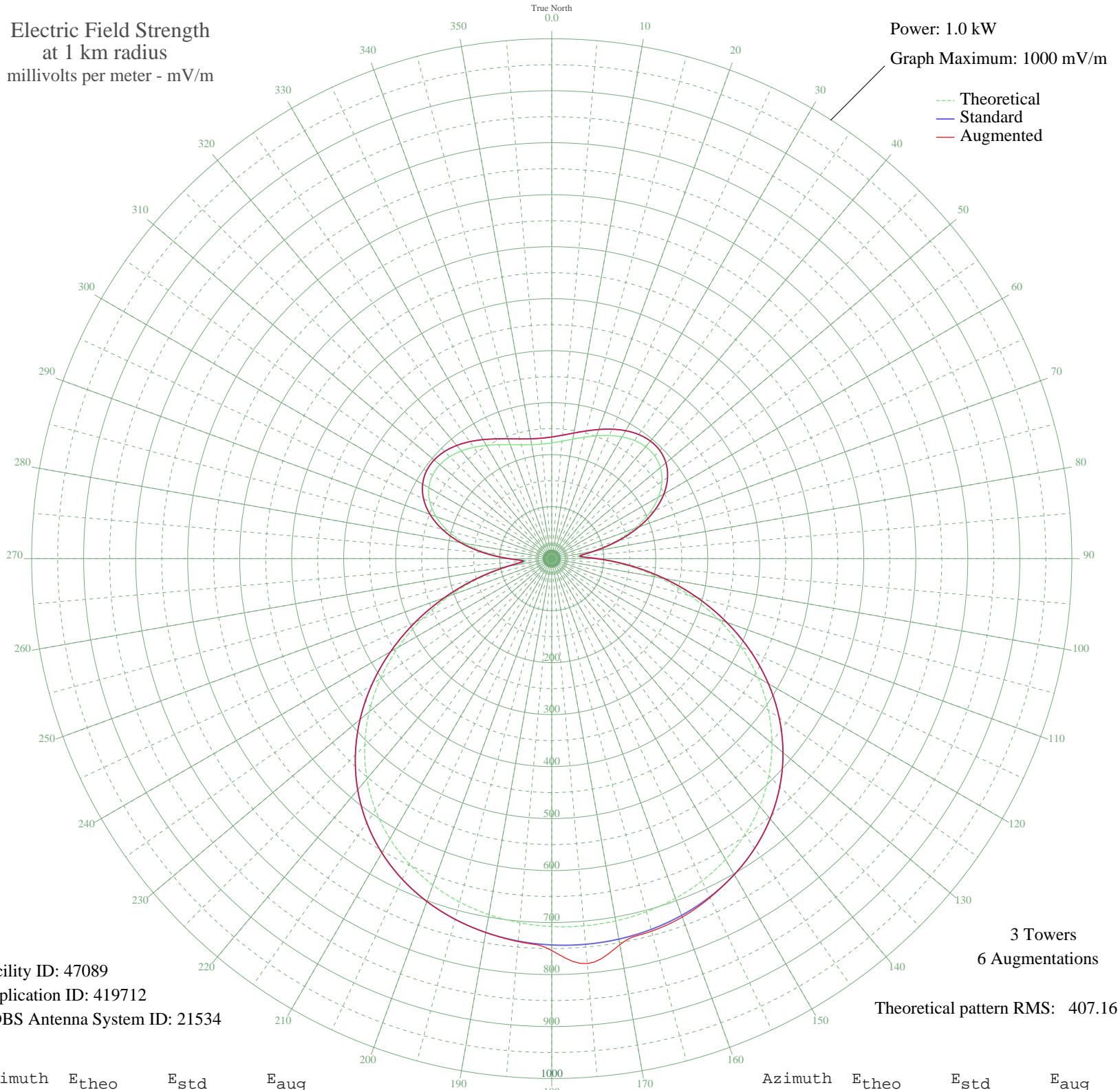


# WVAM ALTOONA, PA BL-13621 1430 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 47089  
Application ID: 419712  
CDBS Antenna System ID: 21534

3 Towers  
6 Augmentations  
Theoretical pattern RMS: 407.16

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	222.59	234.02	234.02
5	226.75	238.38	238.38
10	233.34	245.28	245.28
15	241.82	254.18	254.18
20	251.47	264.30	264.30
25	261.36	274.68	274.68
30	270.40	284.16	284.16
35	277.35	291.45	291.45
40	280.91	295.19	295.19
45	279.78	294.00	294.00
50	272.71	286.59	286.59
55	258.68	271.86	271.86
60	236.91	249.03	249.03
65	207.06	217.73	217.73
70	169.35	178.20	178.20
75	124.95	131.72	131.72
80	77.94	82.67	82.67
85	49.59	53.37	54.72
90	82.41	87.32	87.32
95	142.82	150.42	150.42
100	209.00	219.76	219.76
105	275.77	289.80	289.80
110	340.61	357.84	357.84
115	401.79	422.04	422.04
120	458.02	481.07	481.07
125	508.47	534.02	534.02
130	552.67	580.42	580.42
135	590.49	620.12	620.12
140	622.09	653.29	653.29
145	647.83	680.33	680.33
150	668.24	701.75	701.75
155	683.89	718.18	719.55
160	695.35	730.21	733.73
165	703.13	738.38	741.86
170	707.63	743.11	753.90
175	709.10	744.65	781.84

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.

04 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	707.63	743.11	753.90
185	703.13	738.38	739.53
190	695.35	730.21	730.21
195	683.89	718.18	718.18
200	668.24	701.75	701.75
205	647.83	680.33	680.33
210	622.09	653.30	653.30
215	590.49	620.12	620.12
220	552.67	580.42	580.42
225	508.47	534.03	534.03
230	458.02	481.07	481.08
235	401.79	422.04	422.07
240	340.62	357.84	357.90
245	275.77	289.80	289.91
250	209.00	219.76	219.95
255	142.82	150.42	150.75
260	82.41	87.32	87.94
265	49.59	53.37	55.72
270	77.94	82.67	83.32
275	124.95	131.72	132.09
280	169.35	178.20	178.44
285	207.06	217.73	217.88
290	236.91	249.03	249.13
295	258.68	271.86	271.92
300	272.71	286.59	286.61
305	279.78	294.00	294.00
310	280.91	295.19	295.19
315	277.35	291.45	291.45
320	270.40	284.16	284.16
325	261.36	274.68	274.68
330	251.47	264.30	264.30
335	241.82	254.18	254.18
340	233.34	245.28	245.28
345	226.75	238.38	238.38
350	222.59	234.02	234.02
355	221.17	232.53	232.53