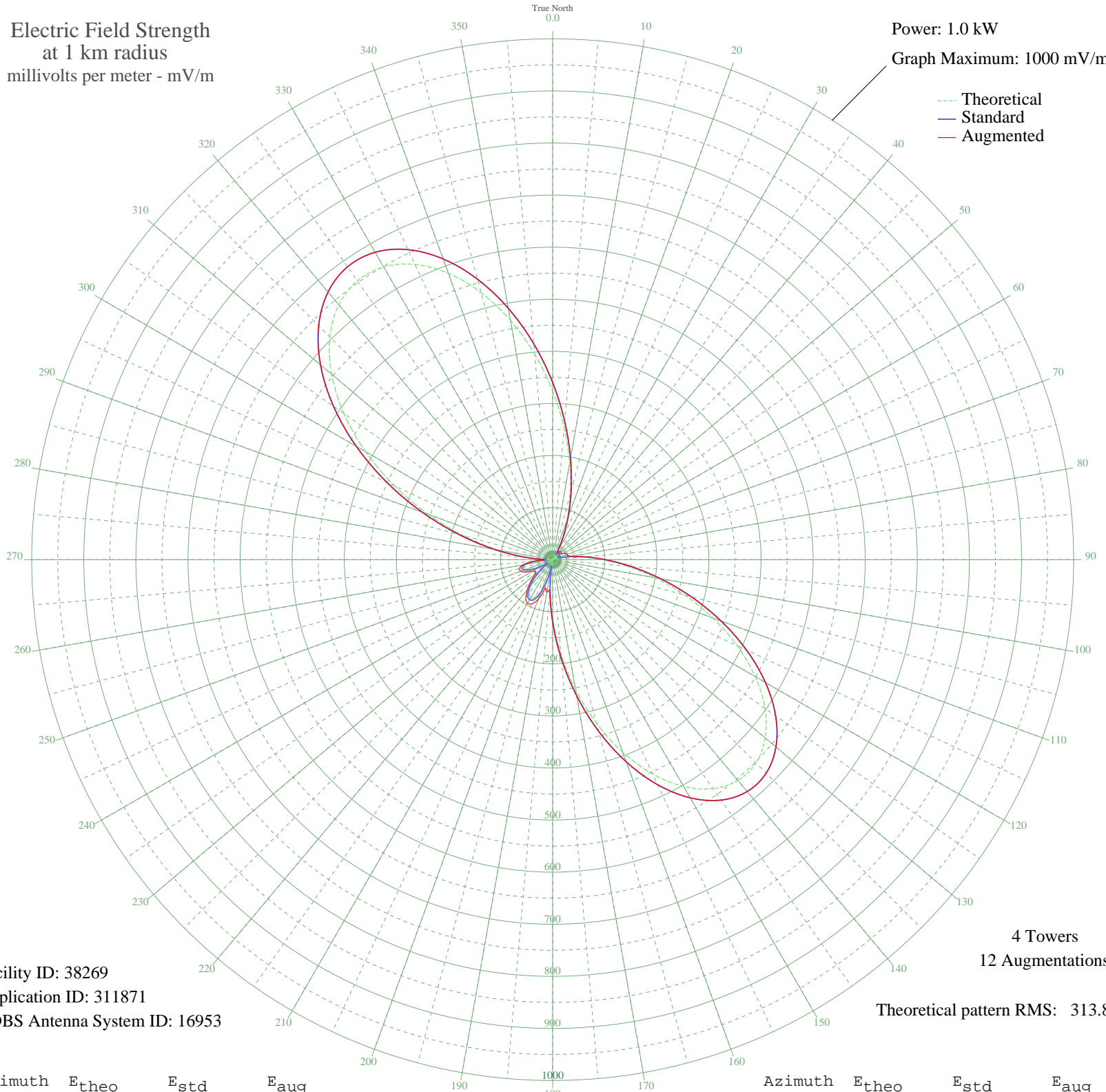


# WFBG ALTOONA, PA BL-- 1290 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 38269  
Application ID: 311871  
CDBS Antenna System ID: 16953

4 Towers  
12 Augmentations  
Theoretical pattern RMS: 313.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	323.69	340.07	340.07
5	253.16	266.06	266.06
10	187.72	197.43	197.43
15	129.90	136.87	136.87
20	81.43	86.25	86.25
25	43.21	46.78	47.17
30	15.36	19.75	22.38
35	2.70	11.75	16.90
40	12.17	17.13	20.94
45	14.72	19.21	22.57
50	12.40	17.31	20.92
55	7.52	13.87	20.15
60	2.56	11.71	23.39
65	0.01	11.40	27.76
70	2.29	11.65	29.77
75	11.57	16.65	30.30
80	29.59	33.09	38.34
85	57.51	61.45	62.34
90	95.74	101.17	101.17
95	143.77	151.39	151.39
100	200.13	210.45	210.45
105	262.39	275.75	275.75
110	327.27	343.82	343.82
115	390.87	410.58	410.58
120	448.99	471.58	471.58
125	497.50	522.50	522.50
130	532.75	559.50	559.50
135	551.92	579.62	579.62
140	553.34	581.11	581.11
145	536.63	563.58	563.58
150	502.77	528.03	528.03
155	453.94	476.77	476.77
160	393.33	413.15	413.15
165	324.82	341.25	341.25
170	252.60	265.48	265.48
175	180.82	190.20	190.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	113.24	119.44	119.44
185	53.02	56.83	64.62
190	2.55	11.71	63.81
195	36.67	40.16	58.96
200	63.97	68.13	80.47
205	79.46	84.20	93.40
210	83.91	88.83	96.56
215	78.64	83.36	89.70
220	65.41	69.62	76.05
225	46.27	49.90	59.54
230	23.50	27.18	45.54
235	0.47	11.41	39.42
240	23.10	26.80	43.96
245	41.83	45.38	55.81
250	54.14	57.98	65.01
255	57.68	61.62	66.06
260	50.40	54.13	58.18
265	30.73	34.22	36.86
270	2.24	11.64	16.09
275	48.58	52.27	52.85
280	107.39	113.33	113.33
285	176.72	185.91	185.91
290	253.64	266.57	266.57
295	334.33	351.23	351.23
300	414.38	435.25	435.25
305	489.09	513.67	513.67
310	553.91	581.72	581.72
315	604.82	635.17	635.17
320	638.70	670.74	670.74
325	653.61	686.38	686.38
330	648.93	681.47	681.47
335	625.41	656.78	656.78
340	585.04	614.39	614.39
345	530.82	557.47	557.47
350	466.47	489.92	489.92
355	396.06	416.02	416.02

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission