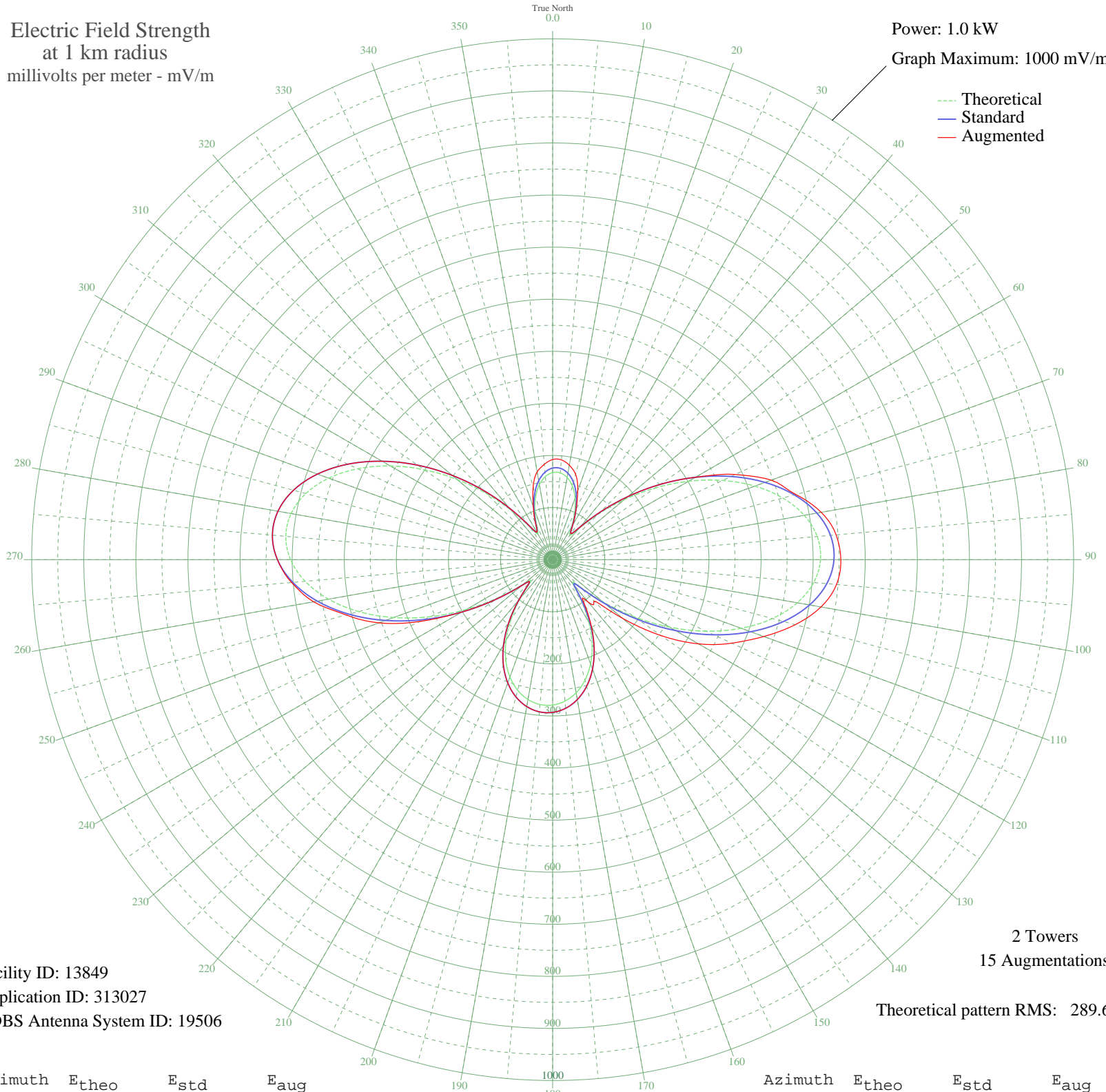


# WGAD GADSDEN, AL BL-- 1350 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 13849  
Application ID: 313027  
CDBS Antenna System ID: 19506

2 Towers  
15 Augmentations  
Theoretical pattern RMS: 289.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	167.18	175.85	192.23
5	167.18	175.85	192.33
10	160.19	168.52	184.23
15	146.31	153.98	170.01
20	125.88	132.59	140.97
25	99.99	105.51	106.22
30	72.40	76.75	77.19
35	57.18	60.95	60.95
40	77.10	81.64	81.64
45	122.77	129.33	129.33
50	179.00	188.24	188.24
55	239.64	251.85	251.85
60	301.01	316.23	316.23
65	359.85	377.99	386.93
70	413.00	433.78	446.40
75	457.43	480.42	483.44
80	490.42	515.05	523.46
85	509.82	535.41	546.18
90	514.20	540.01	553.22
95	503.04	528.30	546.93
100	476.79	500.74	523.04
105	436.80	458.76	482.22
110	385.24	404.64	431.32
115	324.91	341.32	379.38
120	259.03	272.19	323.36
125	191.20	201.04	254.36
130	125.90	132.61	175.24
135	72.34	76.68	112.35
140	60.26	64.14	106.63
145	95.44	100.76	109.09
150	139.11	146.44	148.97
155	179.09	188.34	188.52
160	212.81	223.69	223.69
165	239.63	251.83	251.83
170	259.51	272.68	272.68
175	272.61	286.43	286.43

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	279.10	293.25	293.25
185	279.10	293.25	293.25
190	272.61	286.43	286.43
195	259.51	272.68	272.68
200	239.62	251.82	251.82
205	212.81	223.69	223.69
210	179.09	188.34	188.34
215	139.11	146.44	146.44
220	95.44	100.76	100.76
225	60.26	64.14	64.14
230	72.34	76.68	76.68
235	125.90	132.61	132.61
240	191.20	201.04	201.04
245	259.03	272.19	280.62
250	324.91	341.32	354.72
255	385.24	404.64	410.36
260	436.80	458.76	465.86
265	476.79	500.74	503.11
270	503.04	528.30	528.30
275	514.20	540.01	540.01
280	509.82	535.41	535.41
285	490.42	515.05	515.05
290	457.43	480.41	480.41
295	413.00	433.78	433.78
300	359.85	377.99	377.99
305	301.01	316.23	316.23
310	239.64	251.84	251.84
315	179.00	188.24	188.24
320	122.77	129.33	129.33
325	77.10	81.63	81.63
330	57.18	60.95	60.95
335	72.40	76.75	77.93
340	99.99	105.51	108.61
345	125.88	132.59	144.72
350	146.31	153.98	171.21
355	160.19	168.52	183.73

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.

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10 Nov 2011

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission