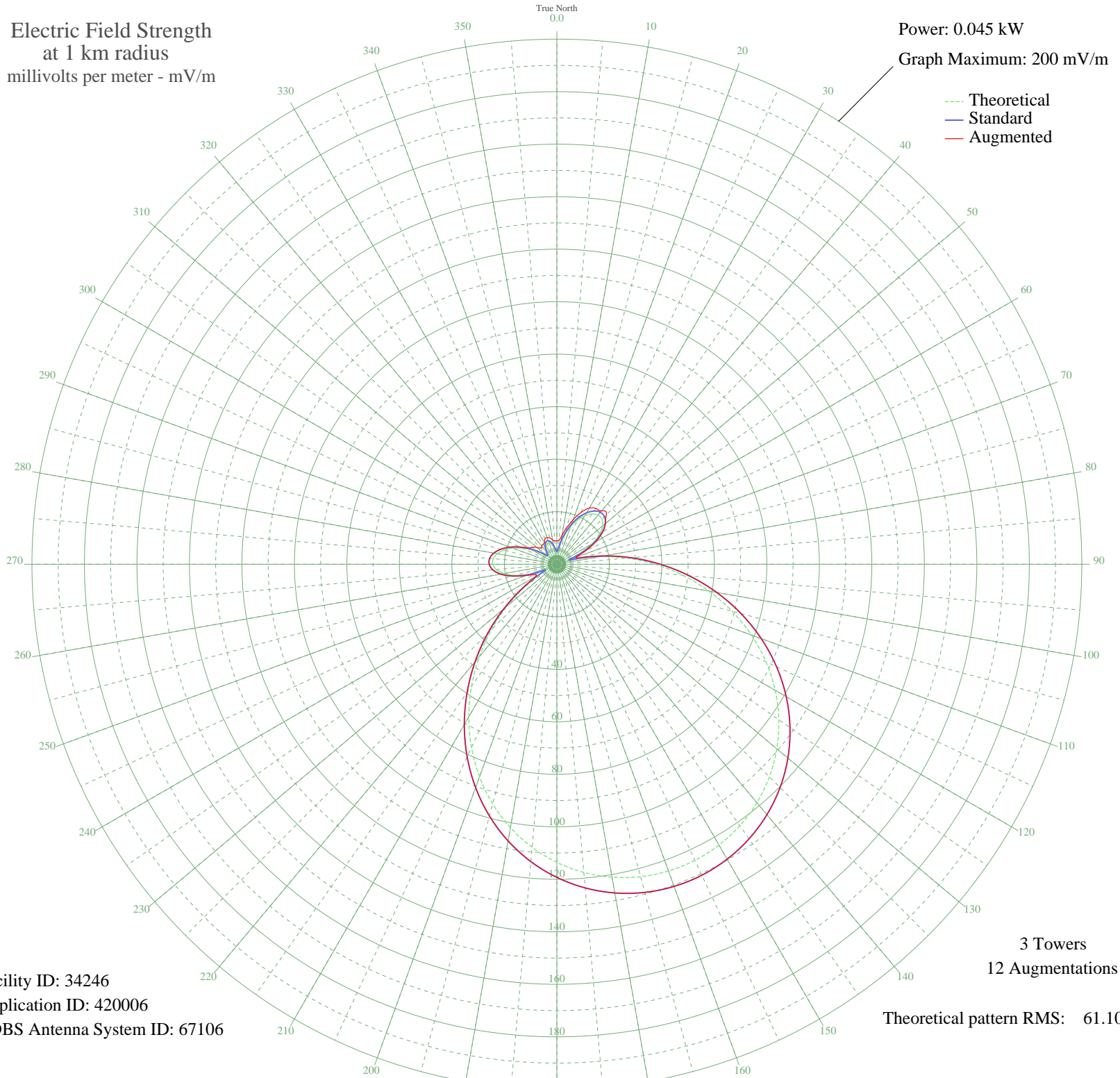


# WGVN GEORGETOWN, KY -- 1580 kHz

Nighttime

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

Power: 0.045 kW  
Graph Maximum: 200 mV/m



Facility ID: 34246  
Application ID: 420006  
CDBS Antenna System ID: 67106

3 Towers  
12 Augmentations

Theoretical pattern RMS: 61.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3.56	4.73	8.90
5	4.90	5.91	9.18
10	7.95	8.84	11.13
15	11.53	12.45	14.41
20	15.16	16.18	17.95
25	18.52	19.66	21.73
30	21.35	22.61	24.66
35	23.40	24.74	25.93
40	24.43	25.82	26.56
45	24.26	25.64	26.67
50	22.73	24.04	24.17
55	19.76	20.95	21.32
60	15.35	16.37	17.15
65	9.64	10.53	12.01
70	3.92	5.03	7.78
75	7.75	8.64	10.27
80	16.75	17.83	18.43
85	26.81	28.30	28.50
90	37.39	39.36	39.40
95	48.15	50.64	50.64
100	58.82	61.83	61.83
105	69.14	72.65	72.65
110	78.89	82.89	82.89
115	87.90	92.35	92.35
120	96.05	100.89	100.89
125	103.23	108.43	108.43
130	109.39	114.89	114.89
135	114.50	120.26	120.26
140	118.55	124.52	124.52
145	121.55	127.67	127.67
150	123.51	129.72	129.72
155	124.44	130.69	130.69
160	124.34	130.58	130.58
165	123.20	129.40	129.40
170	121.04	127.12	127.12
175	117.83	123.75	123.75

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	113.56	119.28	119.28
185	108.24	113.69	113.69
190	101.87	107.01	107.01
195	94.49	99.26	99.26
200	86.17	90.52	90.52
205	76.99	80.90	80.90
210	67.11	70.53	70.53
215	56.71	59.61	59.62
220	46.00	48.39	48.62
225	35.25	37.12	37.57
230	24.75	26.15	26.40
235	14.84	15.85	16.37
240	6.21	7.14	9.41
245	4.79	5.80	9.47
250	10.86	11.77	12.59
255	16.34	17.40	17.40
260	20.47	21.69	21.69
265	23.15	24.48	24.48
270	24.40	25.78	25.78
275	24.32	25.70	25.70
280	23.06	24.39	24.39
285	20.84	22.07	22.07
290	17.88	19.00	19.00
295	14.44	15.44	15.44
300	10.80	11.70	12.42
305	7.27	8.17	11.22
310	4.44	5.49	9.89
315	3.62	4.79	8.70
320	5.01	6.01	8.90
325	6.75	7.66	9.27
330	8.06	8.95	9.53
335	8.72	9.60	10.67
340	8.65	9.53	10.75
345	7.85	8.74	10.36
350	6.43	7.35	9.38
355	4.66	5.69	8.93