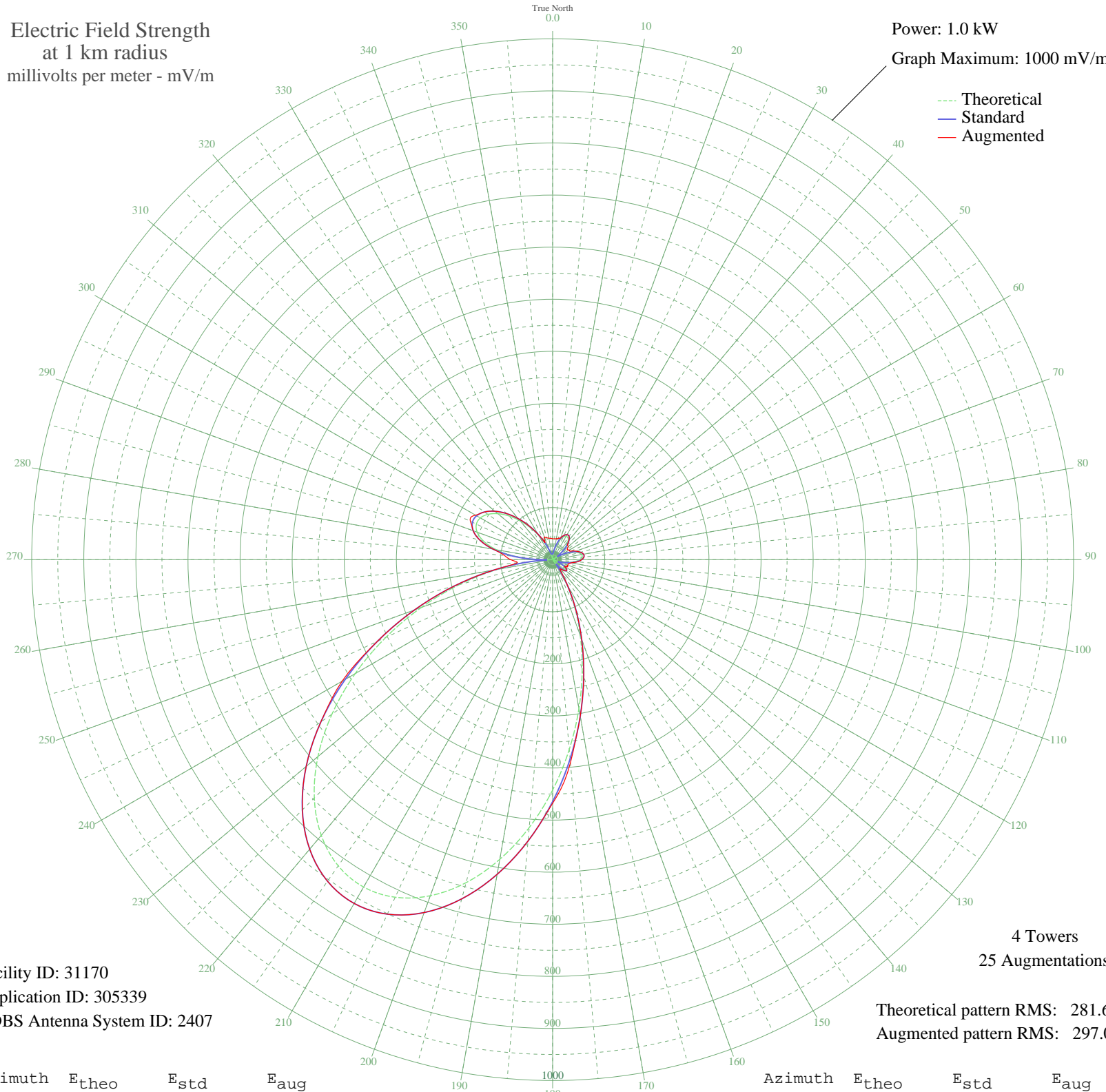


# WJYM BOWLING GREEN, OH BL-- 730 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 31170  
Application ID: 305339  
CDBS Antenna System ID: 2407

4 Towers  
25 Augmentations

Theoretical pattern RMS: 281.64  
Augmented pattern RMS: 297.02

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	0.71	10.53	40.23
5	8.10	13.51	40.23
10	18.17	21.77	41.04
15	29.27	32.48	42.18
20	39.65	42.94	44.26
25	47.62	51.09	51.37
30	51.79	55.38	55.38
35	51.26	54.84	54.84
40	45.73	49.15	48.81
45	35.53	38.76	40.09
50	21.58	24.97	39.06
55	5.24	11.86	33.80
60	11.86	16.29	37.18
65	27.97	31.19	38.62
70	41.55	44.87	47.67
75	51.32	54.90	55.52
80	56.45	60.19	60.19
85	56.58	60.33	60.33
90	51.85	55.45	55.58
95	42.86	46.22	47.73
100	30.59	33.79	35.37
105	16.31	20.09	30.86
110	1.56	10.63	30.78
115	12.25	16.61	32.45
120	23.23	26.56	26.56
125	29.81	33.01	33.01
130	30.38	33.58	33.58
135	23.48	26.80	28.28
140	7.86	13.36	23.17
145	17.46	21.12	27.58
150	53.04	56.67	57.00
155	98.96	104.44	104.44
160	154.72	162.80	162.80
165	219.14	230.34	230.34
170	290.34	305.04	305.04
175	365.77	384.20	391.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	442.29	464.53	467.68
185	516.35	542.26	542.26
190	584.16	613.45	613.45
195	642.02	674.21	674.21
200	686.59	721.00	721.00
205	715.13	750.96	750.96
210	725.75	762.11	762.11
215	717.62	753.57	753.57
220	690.94	725.56	725.56
225	647.02	679.46	679.46
230	588.11	617.60	617.60
235	517.19	543.16	543.16
240	437.79	459.80	466.71
245	353.63	371.46	371.46
250	268.44	282.05	282.05
255	185.63	195.20	195.20
260	108.20	114.10	114.10
265	38.53	41.80	68.35
270	21.65	25.04	80.47
275	71.23	75.52	92.89
280	109.74	115.71	115.71
285	137.24	144.49	144.49
290	154.23	162.28	162.28
295	161.53	169.93	174.31
300	160.26	168.60	170.94
305	151.72	159.65	159.65
310	137.35	144.60	144.60
315	118.71	125.09	125.09
320	97.40	102.81	102.81
325	75.07	79.52	79.52
330	53.31	56.95	56.95
335	33.64	36.85	36.85
340	17.39	21.06	46.67
345	5.57	12.02	43.45
350	1.17	10.57	41.84
355	2.67	10.87	41.04

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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20 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission