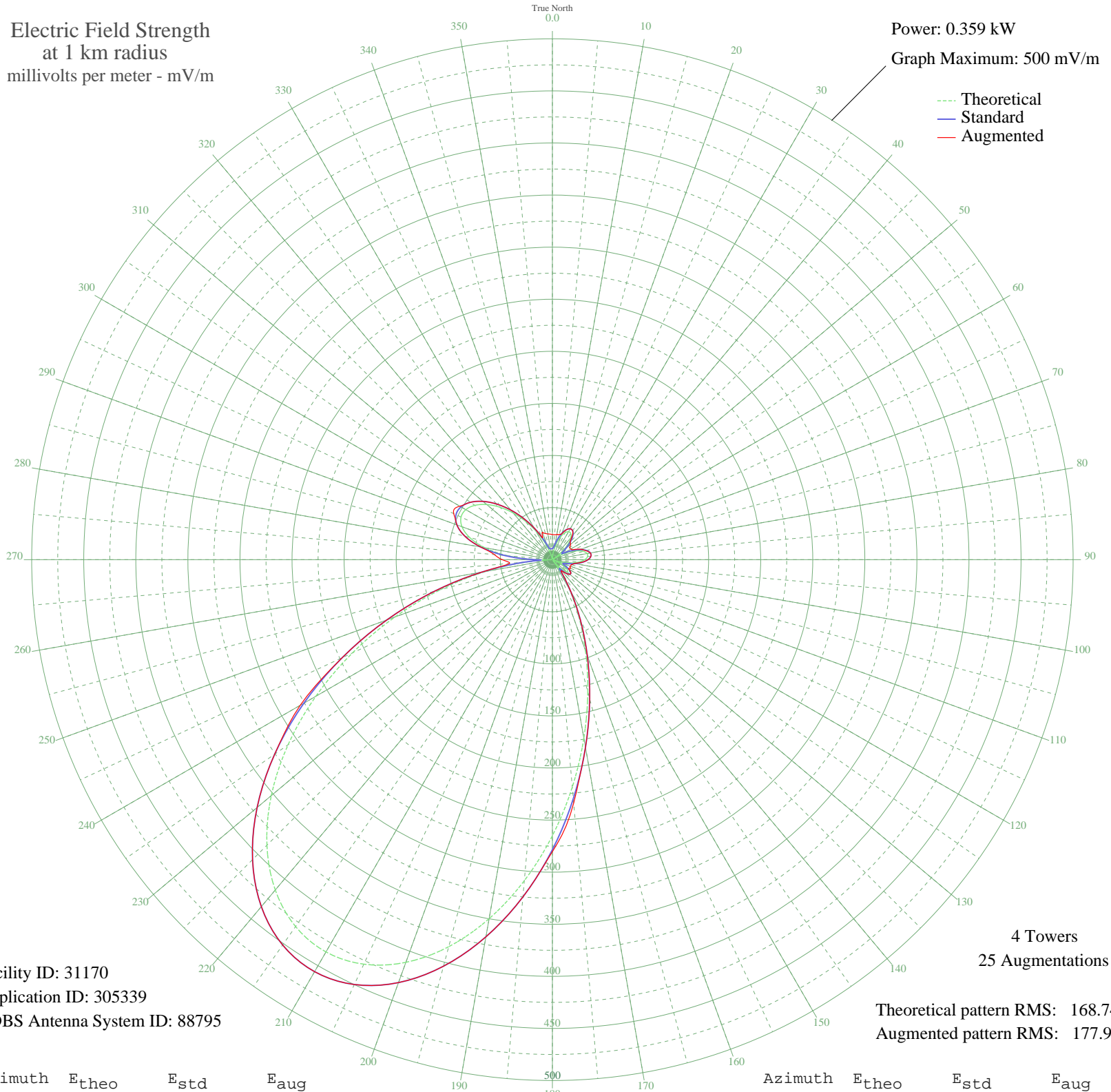


WJYM BOWLING GREEN, OH BL-- 730 kHz

Nighttime

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

Power: 0.359 kW
Graph Maximum: 500 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 31170
Application ID: 305339
CDBS Antenna System ID: 88795

4 Towers
25 Augmentations

Theoretical pattern RMS: 168.74
Augmented pattern RMS: 177.95

Azimuth	E _{theo}	E _{std}	E _{aug}
0	0.43	10.51	24.10
5	4.85	11.67	24.10
10	10.88	15.52	24.60
15	17.54	21.20	24.95
20	23.76	27.06	26.50
25	28.53	31.74	31.62
30	31.03	34.23	34.23
35	30.71	33.91	33.90
40	27.40	30.63	29.44
45	21.29	24.70	24.09
50	12.93	17.16	22.79
55	3.14	11.01	20.30
60	7.10	12.88	20.60
65	16.76	20.49	23.10
70	24.89	28.17	29.16
75	30.75	33.95	33.30
80	33.82	37.03	37.03
85	33.90	37.11	37.11
90	31.07	34.27	34.24
95	25.68	28.94	28.61
100	18.33	21.92	21.21
105	9.77	14.68	18.51
110	0.93	10.55	18.47
115	7.34	13.03	19.49
120	13.92	18.00	18.00
125	17.86	21.49	21.49
130	18.20	21.81	21.81
135	14.07	18.12	18.53
140	4.71	11.61	14.12
145	10.46	15.19	16.96
150	31.78	34.98	35.07
155	59.29	63.14	63.14
160	92.70	97.90	97.90
165	131.29	138.26	138.26
170	173.95	182.95	182.95
175	219.15	230.34	234.53

Azimuth	E _{theo}	E _{std}	E _{aug}
180	264.99	278.44	280.28
185	309.36	325.00	325.00
190	349.99	367.64	367.64
195	384.66	404.03	404.03
200	411.36	432.06	432.06
205	428.46	450.00	450.00
210	434.82	456.69	456.69
215	429.95	451.57	451.57
220	413.97	434.79	434.79
225	387.65	407.17	407.17
230	352.36	370.12	370.12
235	309.87	325.53	325.53
240	262.29	275.61	279.61
245	211.87	222.72	222.72
250	160.83	169.20	169.20
255	111.22	117.25	117.25
260	64.83	68.87	68.87
265	23.08	26.42	41.37
270	12.97	17.19	48.20
275	42.67	46.02	55.96
280	65.75	69.83	69.83
285	82.23	86.98	86.98
290	92.40	97.59	97.59
295	96.78	102.16	104.57
300	96.02	101.36	102.66
305	90.90	96.02	96.02
310	82.29	87.04	87.04
315	71.12	75.41	75.41
320	58.36	62.17	62.17
325	44.97	48.38	48.38
330	31.94	35.14	35.14
335	20.16	23.63	23.63
340	10.42	15.16	28.00
345	3.34	11.07	26.00
350	0.70	10.53	25.10
355	1.60	10.63	24.60

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission