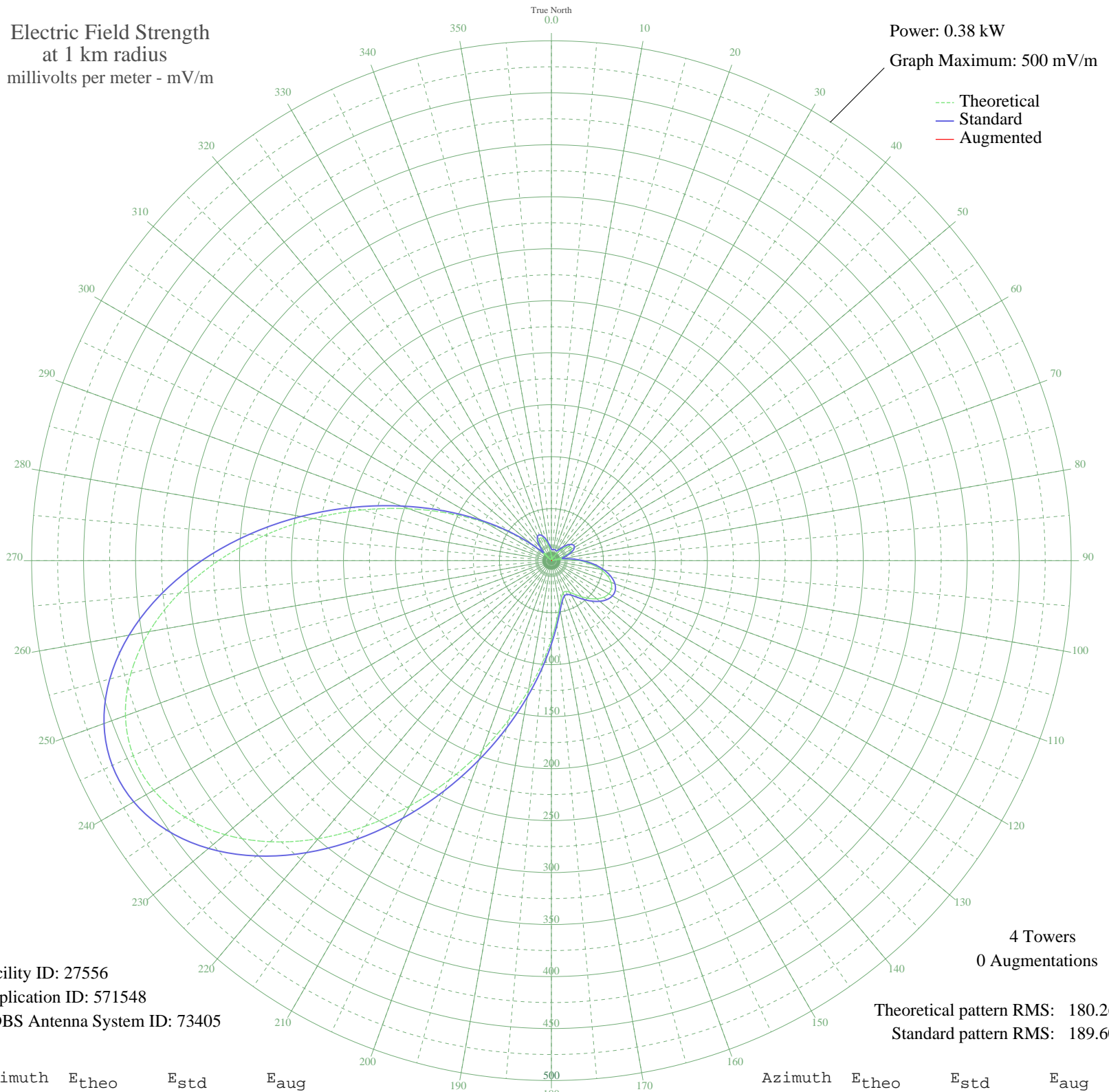


# WRYT EDWARDSVILLE, IL BML-20010530ADC 1080 kHz

## Critical Hours

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

Power: 0.38 kW  
Graph Maximum: 500 mV/m



Facility ID: 27556  
Application ID: 571548  
CDBS Antenna System ID: 73405

Theoretical pattern RMS: 180.26  
Standard pattern RMS: 189.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3.54	11.14	
5	0.34	10.51	
10	2.88	10.93	
15	3.82	11.24	
20	3.05	10.98	
25	0.68	10.52	
30	3.11	11.00	
35	7.77	13.30	
40	12.75	17.01	
45	17.36	21.04	
50	20.89	24.32	
55	22.70	26.04	
60	22.25	25.61	
65	19.24	22.77	
70	13.62	17.74	
75	5.60	12.03	
80	4.33	11.44	
85	15.50	19.36	
90	27.05	30.28	
95	38.14	41.40	
100	47.92	51.40	
105	55.73	59.45	
110	61.08	64.99	
115	63.74	67.74	
120	63.73	67.73	
125	61.32	65.24	
130	57.00	60.76	
135	51.42	55.00	
140	45.34	48.75	
145	39.61	42.90	
150	35.09	38.31	
155	32.63	35.83	
160	33.02	36.23	
165	36.99	40.24	
170	45.14	48.55	
175	57.95	61.75	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	75.71	80.19	
185	98.51	103.97	
190	126.19	132.91	
195	158.30	166.55	
200	194.11	204.09	
205	232.56	244.41	
210	272.29	286.10	
215	311.70	327.45	
220	349.01	366.61	
225	382.36	401.61	
230	409.95	430.57	
235	430.16	451.80	
240	441.72	463.93	
245	443.79	466.09	
250	436.05	457.97	
255	418.77	439.83	
260	392.77	412.55	
265	359.38	377.49	
270	320.28	336.46	
275	277.42	291.48	
280	232.81	244.67	
285	188.41	198.11	
290	145.99	153.65	
295	106.99	112.82	
300	72.50	76.84	
305	43.24	46.60	
310	19.53	23.04	
315	1.40	10.60	
320	11.49	15.99	
325	19.58	23.08	
330	23.54	26.85	
335	24.11	27.41	
340	22.09	25.46	
345	18.28	21.88	
350	13.44	17.59	
355	8.31	13.65	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission