

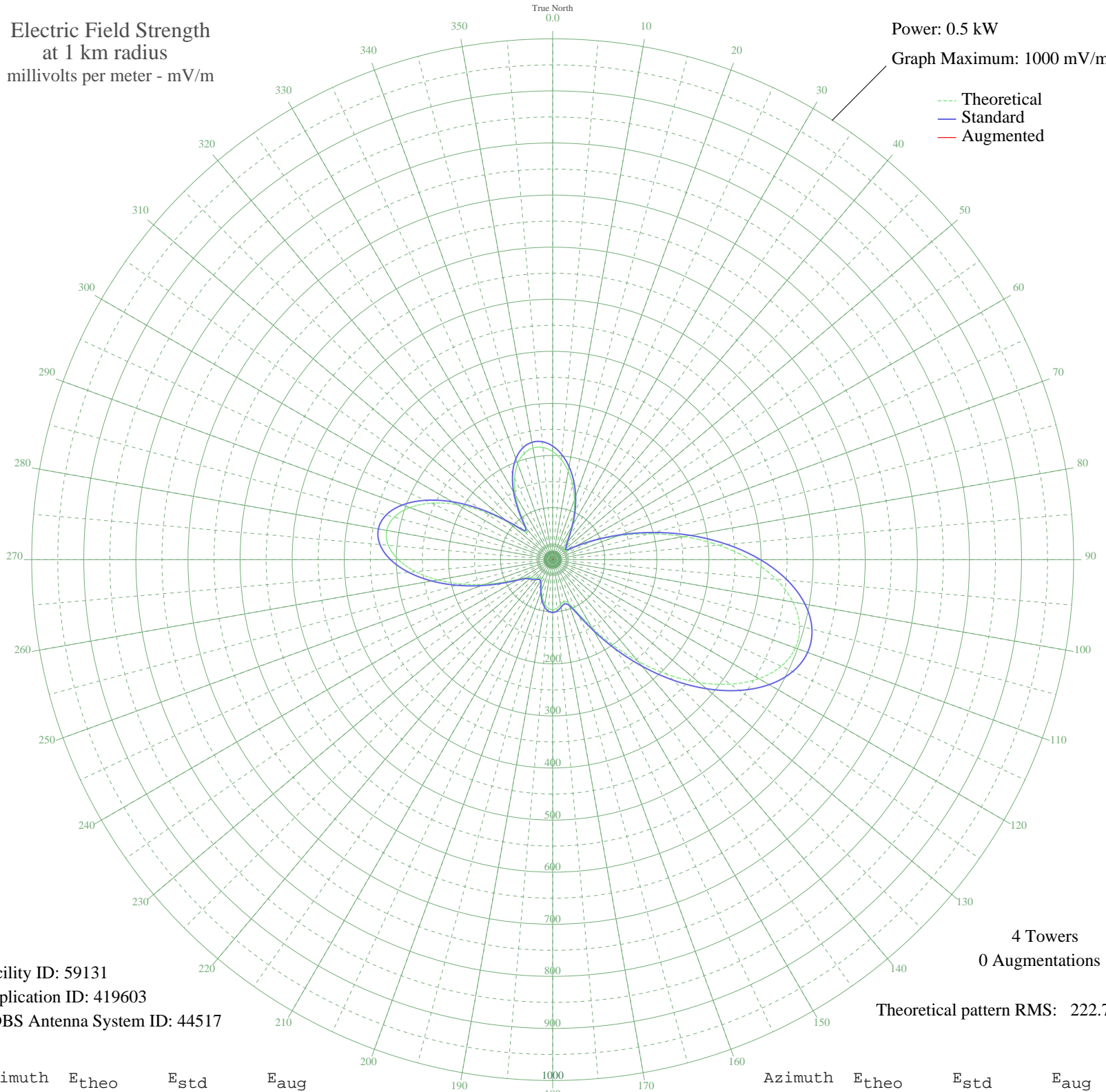
# WGCL BLOOMINGTON, IN BL-14503 1370 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 59131  
Application ID: 419603  
CDBS Antenna System ID: 44517

4 Towers  
0 Augmentations

Theoretical pattern RMS: 222.73

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	207.53	218.15	
5	192.52	202.42	
10	172.37	181.29	
15	148.42	156.19	
20	122.31	128.85	
25	96.04	101.38	
30	72.03	76.35	
35	53.01	56.64	
40	40.90	44.21	
45	34.26	37.48	
50	29.50	32.70	
55	29.80	33.01	
60	47.59	51.06	
65	83.69	88.50	
70	133.08	140.13	
75	191.75	201.61	
80	255.54	268.52	
85	319.81	335.96	
90	379.67	398.79	
95	430.50	452.15	
100	468.42	491.95	
105	490.67	515.31	
110	495.88	520.78	
115	484.15	508.47	
120	456.93	479.89	
125	416.78	437.74	
130	367.03	385.53	
135	311.48	327.23	
140	254.08	266.99	
145	198.79	209.00	
150	149.73	157.57	
155	111.50	117.55	
160	88.98	94.02	
165	83.31	88.10	
170	87.70	92.69	
175	93.60	98.84	

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.

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	96.21	101.57	
185	93.88	99.13	
190	86.64	91.57	
195	75.55	80.02	
200	62.57	66.53	
205	50.61	54.17	
210	43.38	46.75	
215	42.88	46.23	
220	46.54	49.99	
225	50.49	54.05	
230	53.76	57.42	
235	59.77	63.63	
240	74.64	79.07	
245	101.47	107.06	
250	138.25	145.55	
255	180.77	190.10	
260	224.34	235.79	
265	264.26	277.67	
270	296.25	311.24	
275	316.76	332.77	
280	323.38	339.71	
285	315.05	330.97	
290	292.20	306.99	
295	256.62	269.66	
300	211.39	222.20	
305	160.82	169.18	
310	111.42	117.46	
315	76.37	80.87	
320	77.46	82.01	
325	107.34	113.19	
330	142.35	149.84	
335	173.01	181.96	
340	196.27	206.35	
345	211.18	221.99	
350	217.70	228.82	
355	216.23	227.29	

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission