

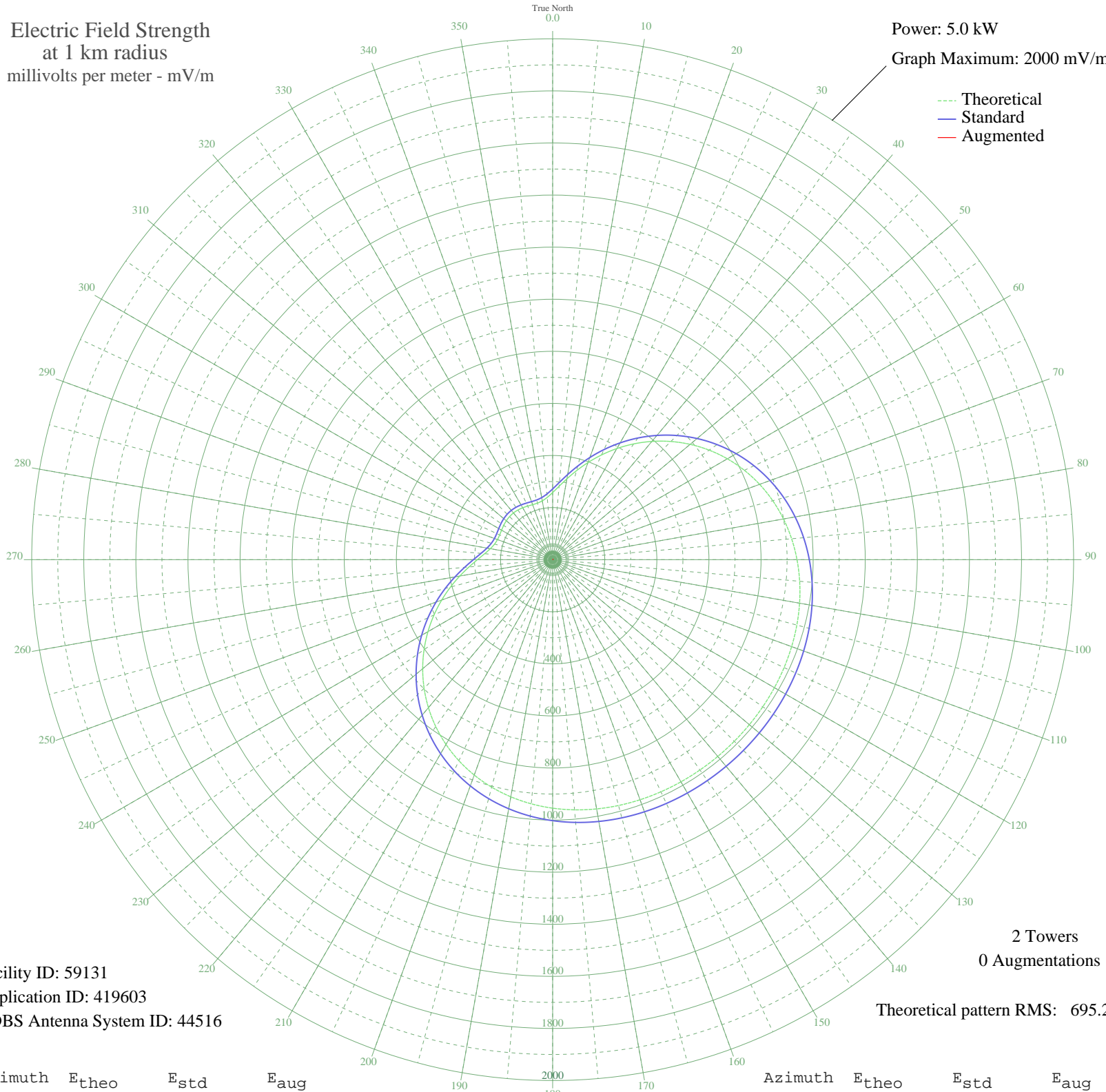
WGCL BLOOMINGTON, IN BL-14503 1370 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 59131
Application ID: 419603
CDBS Antenna System ID: 44516

2 Towers
0 Augmentations

Theoretical pattern RMS: 695.24

Azimuth	E _{theo}	E _{std}	E _{aug}
0	257.67	271.57	
5	282.92	297.99	
10	315.24	331.83	
15	353.62	372.04	
20	396.83	417.33	
25	443.57	466.34	
30	492.57	517.74	
35	542.65	570.27	
40	592.71	622.79	
45	641.74	674.24	
50	688.87	723.70	
55	733.35	770.37	
60	774.56	813.63	
65	812.05	852.98	
70	845.51	888.10	
75	874.79	918.83	
80	899.89	945.17	
85	920.92	967.25	
90	938.14	985.33	
95	951.87	999.74	
100	962.52	1010.92	
105	970.52	1019.32	
110	976.33	1025.41	
115	980.37	1029.66	
120	983.07	1032.49	
125	984.77	1034.28	
130	985.75	1035.30	
135	986.21	1035.78	
140	986.24	1035.82	
145	985.88	1035.44	
150	985.02	1034.53	
155	983.48	1032.92	
160	981.01	1030.33	
165	977.26	1026.39	
170	971.84	1020.71	
175	964.32	1012.81	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	954.24	1002.22	
185	941.15	988.49	
190	924.66	971.18	
195	904.41	949.92	
200	880.14	924.45	
205	851.70	894.60	
210	819.07	860.35	
215	782.37	821.82	
220	741.87	779.32	
225	698.00	733.28	
230	651.35	684.32	
235	602.63	633.20	
240	552.70	580.81	
245	502.54	528.19	
250	453.23	476.47	
255	405.93	426.88	
260	361.91	380.73	
265	322.46	339.40	
270	288.85	304.20	
275	262.12	276.22	
280	242.88	256.10	
285	230.98	243.66	
290	225.41	237.84	
295	224.51	236.90	
300	226.42	238.90	
305	229.43	242.05	
310	232.23	244.97	
315	233.94	246.75	
320	234.10	246.92	
325	232.68	245.44	
330	230.05	242.69	
335	226.98	239.49	
340	224.73	237.13	
345	224.91	237.32	
350	229.40	242.02	
355	239.93	253.02	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission