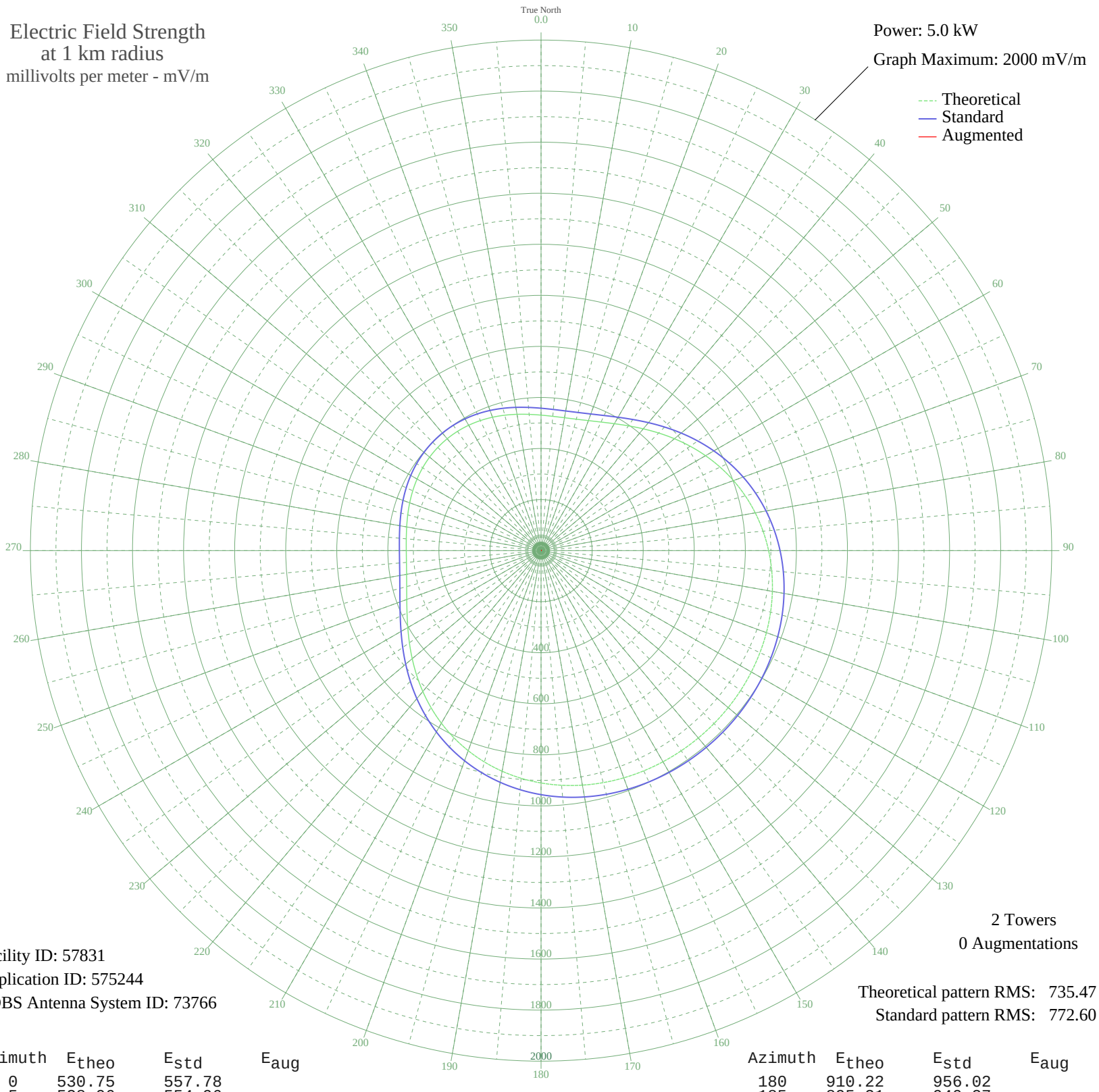
WBTK RICHMOND, VA BML-20010712AGH 1380 kHz

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

2 Towers
0 Augmentations

Facility ID: 57831
Application ID: 575244
CDBS Antenna System ID: 73766

Theoretical pattern RMS: 735.47
Standard pattern RMS: 772.60

Azimuth	E_{theo}	E_{std}	E_{aug}
0	530.75	557.78	
5	528.06	554.96	
10	528.55	555.47	
15	533.01	560.15	
20	541.98	569.56	
25	555.71	583.97	
30	574.09	603.25	
35	596.68	626.96	
40	622.78	654.34	
45	651.50	684.48	
50	681.87	716.35	
55	712.95	748.96	
60	743.82	781.36	
65	773.71	812.74	
70	801.99	842.42	
75	828.15	869.87	
80	851.85	894.75	
85	872.90	916.84	
90	891.22	936.08	
95	906.86	952.49	
100	919.93	966.21	
105	930.64	977.45	
110	939.20	986.44	
115	945.88	993.45	
120	950.89	998.71	
125	954.47	1002.47	
130	956.79	1004.90	
135	957.97	1006.15	
140	958.10	1006.28	
145	957.17	1005.31	
150	955.14	1003.17	
155	951.87	999.74	
160	947.22	994.86	
165	940.97	988.30	
170	932.88	979.81	
175	922.71	969.13	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	910.22	956.02	
185	895.21	940.27	
190	877.54	921.72	
195	857.15	900.31	
200	834.07	876.09	
205	808.48	849.22	
210	780.67	820.04	
215	751.11	789.01	
220	720.40	756.79	
225	689.30	724.15	
230	658.67	692.01	
235	629.47	661.36	
240	602.66	633.23	
245	579.15	608.56	
250	559.71	588.16	
255	544.84	572.56	
260	534.74	561.96	
265	529.23	556.19	
270	527.85	554.74	
275	529.86	556.85	
280	534.39	561.61	
285	540.55	568.06	
290	547.48	575.33	
295	554.42	582.61	
300	560.74	589.25	
305	565.96	594.72	
310	569.71	598.66	
315	571.76	600.81	
320	571.99	601.04	
325	570.37	599.35	
330	567.01	595.82	
335	562.11	590.68	
340	556.01	584.28	
345	549.17	577.10	
350	542.17	569.77	
355	535.76	563.04	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission