

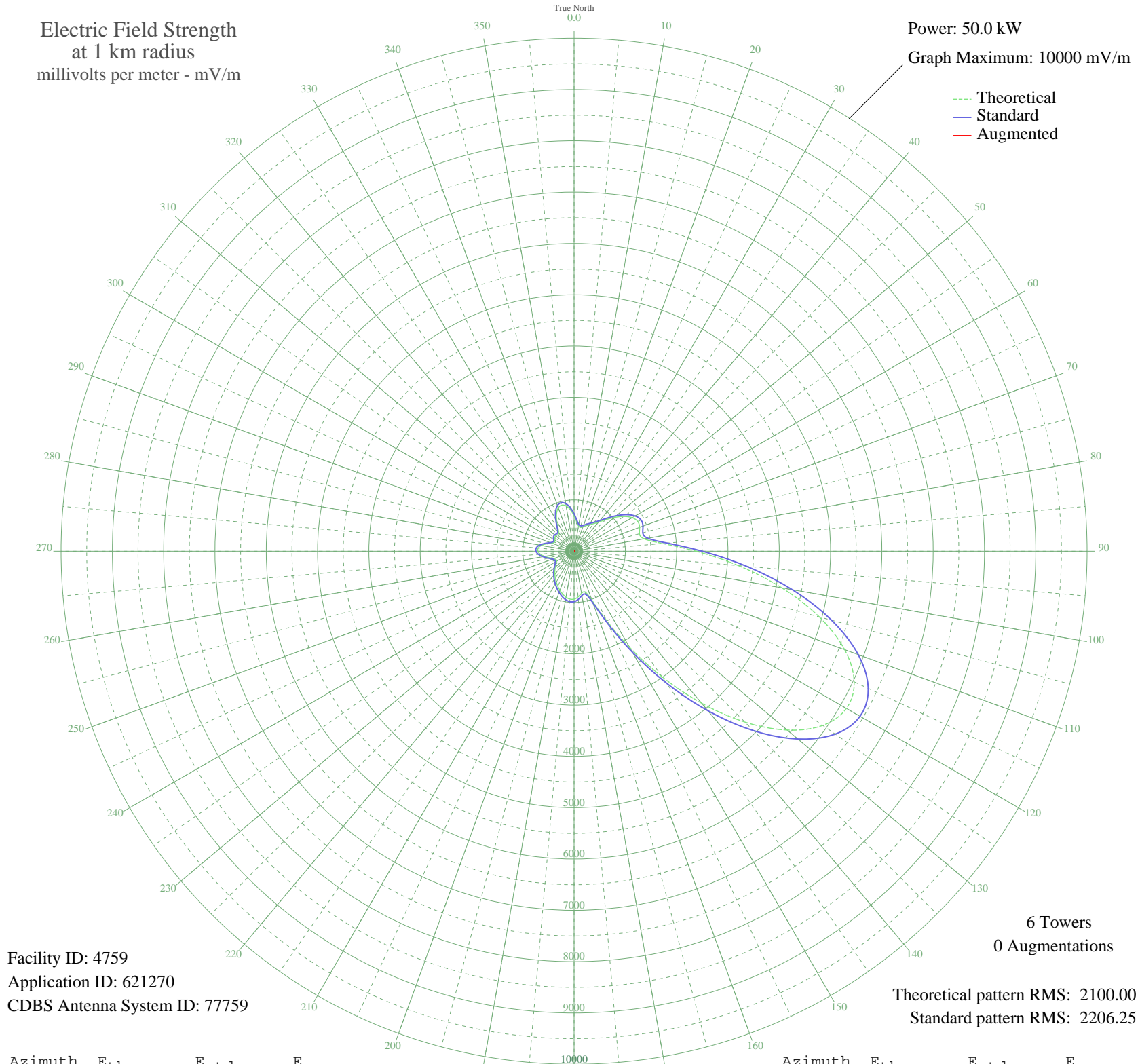
WCBM BALTIMORE, MD BL-20021210ACQ 680 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 4759  
Application ID: 621270  
CDBS Antenna System ID: 77759

6 Towers  
0 Augmentations

Theoretical pattern RMS: 2100.00  
Standard pattern RMS: 2206.25

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	689.83	728.12	
5	575.03	608.33	
10	498.29	528.45	
15	479.67	509.10	
20	505.74	536.19	
25	548.63	580.83	
30	595.30	629.46	
35	653.30	689.97	
40	740.52	781.08	
45	867.08	913.46	
50	1023.14	1076.86	
55	1181.38	1242.67	
60	1307.06	1374.42	
65	1369.51	1439.90	
70	1359.00	1428.89	
75	1318.73	1386.65	
80	1385.76	1456.94	
85	1731.84	1819.95	
90	2378.69	2498.73	
95	3216.06	3377.67	
100	4113.55	4319.86	
105	4949.14	5197.13	
110	5614.68	5895.88	
115	6025.31	6327.01	
120	6130.17	6437.11	
125	5919.32	6215.73	
130	5424.10	5695.79	
135	4710.30	4946.38	
140	3865.89	4059.86	
145	2986.63	3136.84	
150	2164.17	2273.60	
155	1481.36	1557.20	
160	1016.71	1070.12	
165	823.81	868.18	
170	832.45	877.22	
175	894.87	942.55	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	934.63	984.17	
185	937.31	986.97	
190	910.16	958.55	
195	864.45	910.71	
200	809.63	853.35	
205	751.90	792.98	
210	694.49	732.99	
215	638.47	674.50	
220	583.65	617.31	
225	529.54	560.96	
230	476.60	505.90	
235	428.08	455.57	
240	392.83	419.10	
245	386.14	412.19	
250	420.89	448.12	
255	492.82	522.76	
260	581.06	614.61	
265	659.63	696.58	
270	705.12	744.09	
275	701.71	740.53	
280	646.39	682.76	
285	554.39	586.82	
290	462.66	491.43	
295	418.64	445.80	
300	432.63	460.28	
305	460.89	489.59	
310	465.63	494.51	
315	451.43	479.78	
320	464.20	493.03	
325	545.77	577.85	
330	677.52	715.26	
335	809.02	852.71	
340	900.13	948.04	
345	929.91	979.23	
350	895.12	942.81	
355	807.31	850.92	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission