

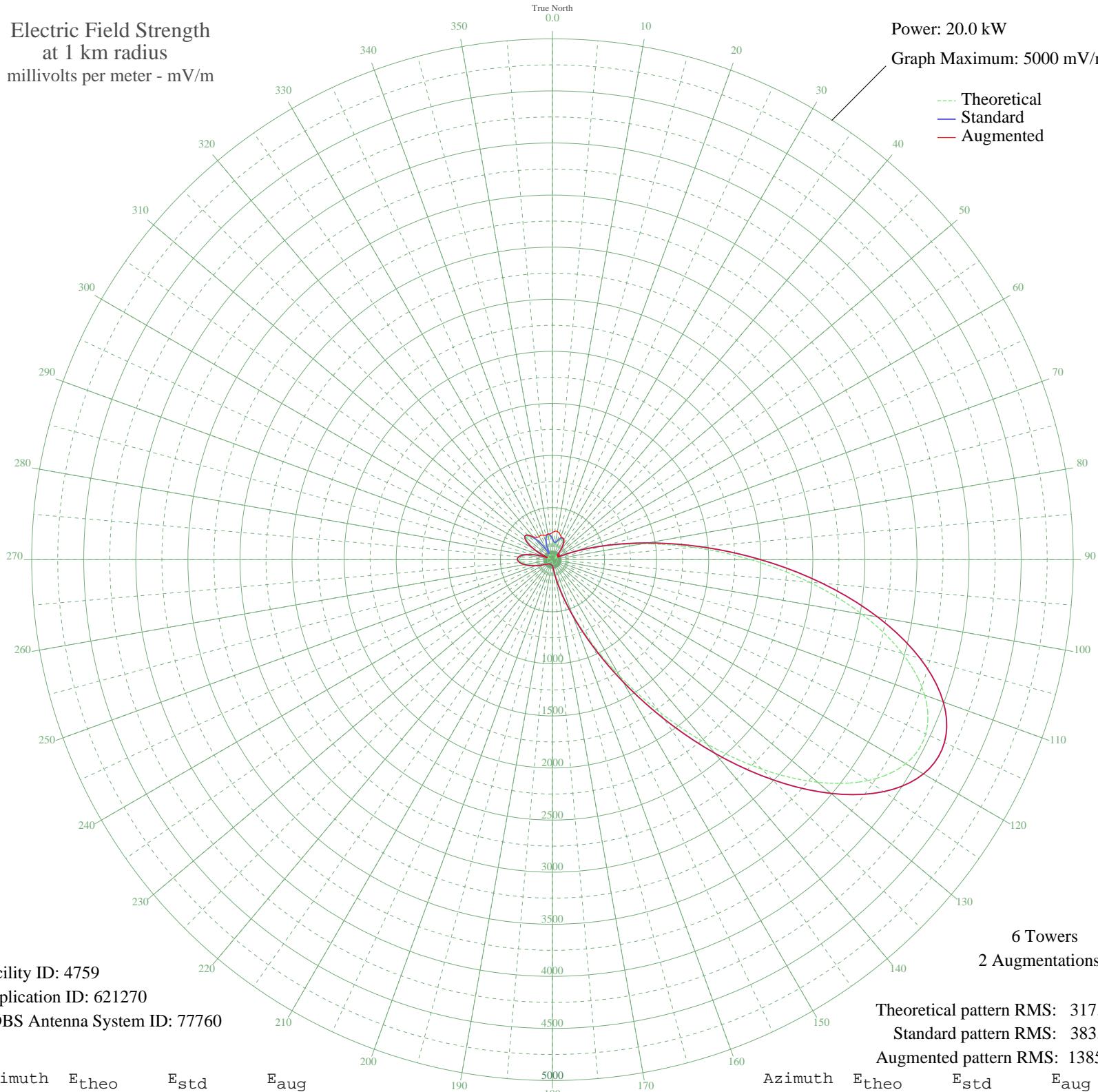
WCBM BALTIMORE, MD BL-20021210ACQ 680 kHz

Nighttime

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

Power: 20.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
--- Standard
--- Augmented



Facility ID: 4759
Application ID: 621270
CDBS Antenna System ID: 77760

Theoretical pattern RMS: 317.13
Standard pattern RMS: 383.79
Augmented pattern RMS: 1385.63

Azimuth	E _{theo}	E _{std}	E _{aug}
0	187.29	202.19	260.04
5	157.00	171.41	273.27
10	153.04	167.41	274.48
15	175.79	190.46	259.73
20	202.39	217.64	238.95
25	214.34	229.90	229.90
30	203.11	218.37	218.37
35	167.67	182.21	182.21
40	113.48	128.08	128.08
45	54.99	74.42	74.42
50	39.73	62.81	62.81
55	63.14	81.25	81.25
60	50.32	70.69	70.69
65	47.03	68.14	68.14
70	216.06	231.68	231.68
75	493.81	520.63	520.63
80	878.50	923.62	923.62
85	1357.95	1426.63	1426.63
90	1904.53	2000.31	2000.31
95	2475.99	2600.21	2600.21
100	3019.59	3170.92	3170.92
105	3479.05	3653.31	3653.31
110	3803.23	3993.67	3993.67
115	3954.85	4152.86	4152.86
120	3917.21	4113.34	4113.34
125	3697.28	3882.42	3882.42
130	3324.22	3490.74	3490.74
135	2843.82	2986.38	2986.38
140	2310.09	2426.05	2426.05
145	1776.08	1865.48	1865.48
150	1286.08	1351.20	1351.20
155	870.56	915.29	915.29
160	544.53	573.68	573.68
165	309.00	327.83	327.83
170	154.60	168.98	168.98
175	66.59	84.22	84.22

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	30.10	56.60	56.60
185	23.01	52.81	52.81
190	19.10	51.06	51.06
195	14.71	49.43	49.43
200	12.37	48.72	48.72
205	11.74	48.55	48.55
210	12.46	48.75	48.75
215	16.05	49.89	49.89
220	22.91	52.76	52.76
225	32.21	57.87	57.87
230	43.87	65.78	65.78
235	59.24	77.94	77.94
240	81.11	97.25	97.25
245	112.46	127.08	127.08
250	154.36	168.74	168.74
255	204.20	219.49	219.49
260	255.15	271.99	271.99
265	296.84	315.20	315.20
270	317.20	336.35	336.35
275	305.32	324.00	324.00
280	254.83	271.66	271.66
285	166.83	181.36	181.36
290	53.20	72.97	72.97
295	82.55	98.58	98.58
300	198.92	214.08	214.08
305	285.64	303.58	303.58
310	326.11	345.62	345.62
315	313.89	332.91	332.91
320	253.28	270.06	270.06
325	158.54	172.96	259.30
330	57.31	76.32	256.73
335	80.57	96.75	257.99
340	162.21	176.67	249.89
345	215.62	231.22	242.34
350	233.56	249.69	249.69
355	219.95	235.67	248.86