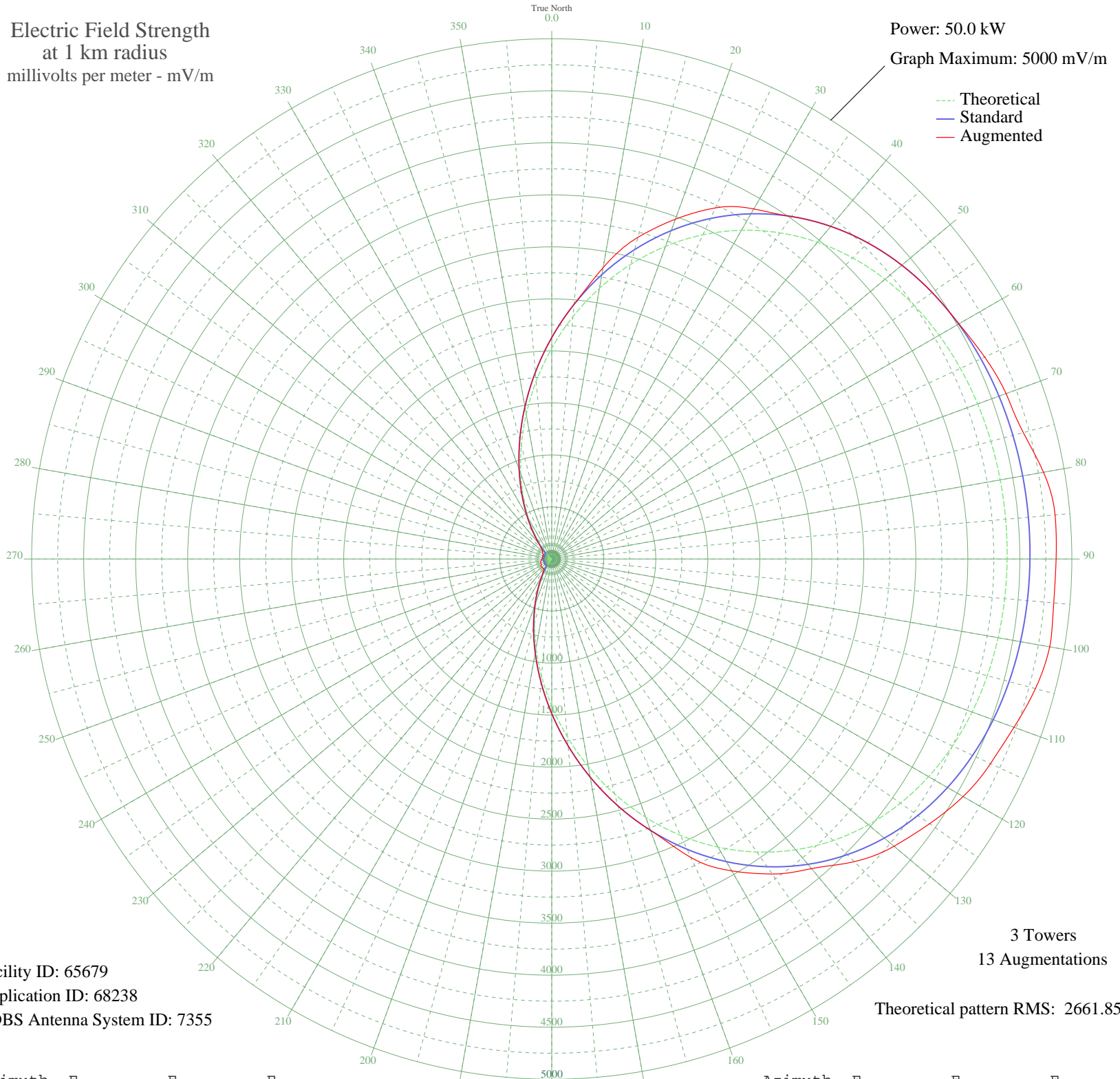


# WBAL BALTIMORE, MD BL-19840330AQ 1090 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 65679  
Application ID: 68238  
CDBS Antenna System ID: 7355

3 Towers  
13 Augmentations  
Theoretical pattern RMS: 2661.85

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2025.90	2128.49	2128.49
5	2337.88	2455.89	2455.89
10	2642.17	2775.27	2843.63
15	2931.04	3078.49	3200.82
20	3197.97	3358.68	3475.45
25	3438.00	3610.66	3723.54
30	3647.97	3831.09	3884.73
35	3826.50	4018.51	4018.51
40	3973.91	4173.26	4173.26
45	4091.91	4297.14	4297.14
50	4183.32	4393.12	4393.12
55	4251.70	4464.90	4464.90
60	4300.91	4516.57	4520.62
65	4334.86	4552.21	4592.03
70	4357.11	4575.56	4647.93
75	4370.68	4589.82	4693.52
80	4377.88	4597.37	4800.55
85	4380.12	4599.72	4857.48
90	4377.88	4597.37	4848.84
95	4370.68	4589.82	4844.62
100	4357.11	4575.56	4861.18
105	4334.86	4552.21	4814.03
110	4300.91	4516.57	4729.25
115	4251.70	4464.90	4653.90
120	4183.32	4393.12	4566.20
125	4091.91	4297.14	4435.16
130	3973.91	4173.26	4295.18
135	3826.50	4018.51	4113.73
140	3647.97	3831.09	3884.78
145	3438.00	3610.66	3696.18
150	3197.97	3358.68	3461.68
155	2931.04	3078.49	3165.97
160	2642.17	2775.27	2775.27
165	2337.88	2455.89	2455.89
170	2025.90	2128.49	2128.49
175	1714.71	1801.97	1801.97

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1412.91	1485.41	1485.41
185	1128.63	1187.39	1187.39
190	868.98	915.45	915.45
195	639.54	675.61	675.61
200	444.07	472.15	472.68
205	284.36	307.67	311.40
210	160.24	183.90	196.59
215	69.78	104.31	134.33
220	9.59	74.93	118.76
225	24.77	78.67	121.48
230	38.44	84.51	124.28
235	36.78	83.69	122.05
240	25.09	78.78	117.00
245	8.23	74.75	113.16
250	9.53	74.92	112.60
255	24.75	78.66	110.37
260	34.92	82.81	105.97
265	38.48	84.53	100.08
270	34.92	82.81	94.43
275	24.75	78.66	91.83
280	9.53	74.92	90.47
285	8.23	74.75	90.12
290	25.09	78.78	91.38
295	36.78	83.69	92.28
300	38.44	84.51	96.57
305	24.77	78.67	108.89
310	9.59	74.93	117.41
315	69.78	104.31	133.30
320	160.24	183.90	191.50
325	284.36	307.67	307.82
330	444.08	472.15	472.15
335	639.54	675.61	675.61
340	868.98	915.45	915.45
345	1128.63	1187.39	1187.39
350	1412.91	1485.41	1485.41
355	1714.71	1801.98	1801.98