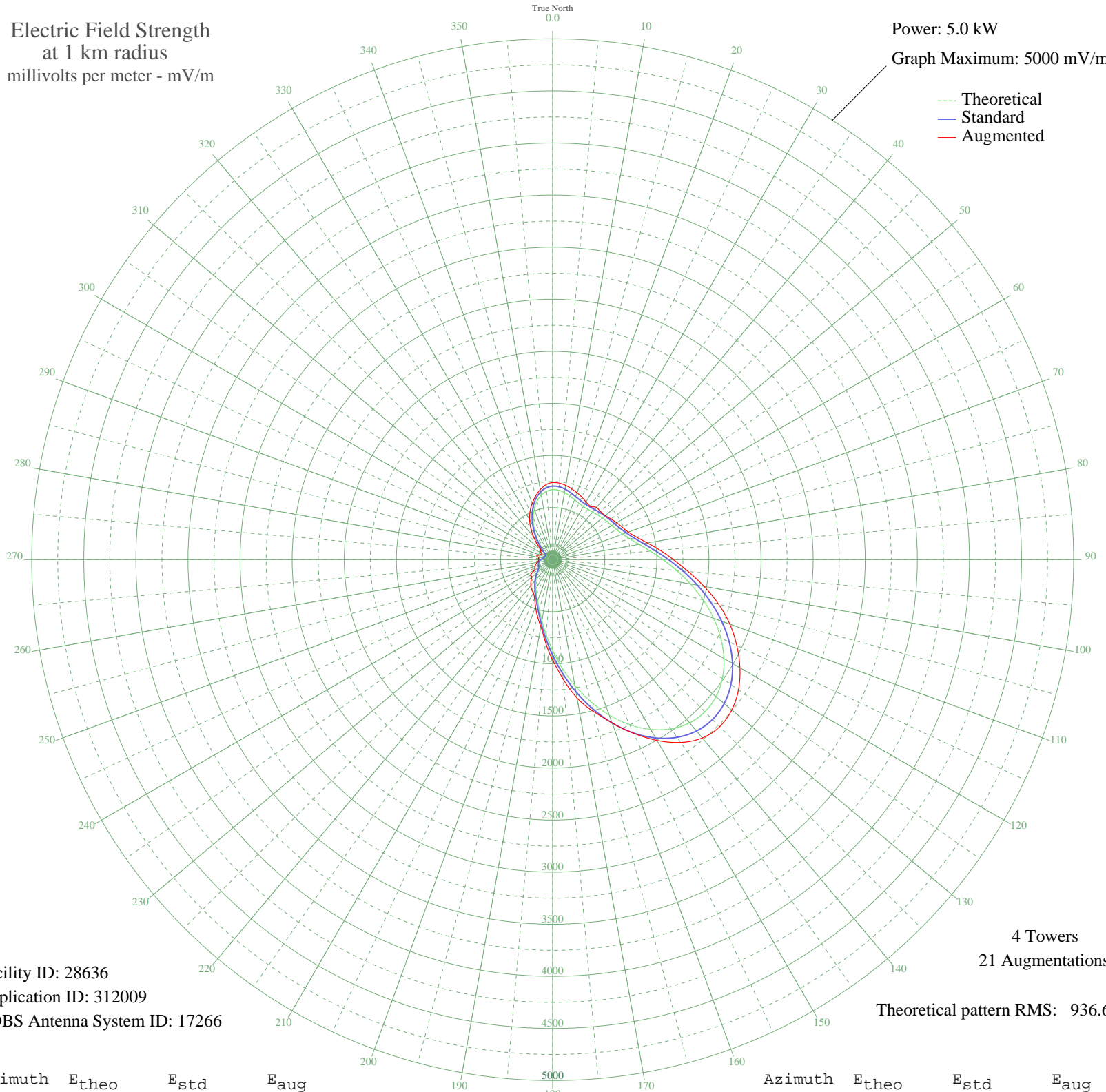


# WJZ BALTIMORE, MD BL-- 1300 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 28636  
Application ID: 312009  
CDBS Antenna System ID: 17266

4 Towers  
21 Augmentations

Theoretical pattern RMS: 936.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	671.63	705.83	740.14
5	668.49	702.53	737.33
10	653.95	687.28	723.65
15	633.43	665.76	704.09
20	612.75	644.06	683.97
25	596.92	627.46	662.53
30	589.03	619.18	640.22
35	589.56	619.74	625.97
40	596.86	627.39	655.00
45	608.33	639.43	651.78
50	621.86	653.62	657.42
55	636.84	669.33	681.91
60	654.76	688.13	708.90
65	679.25	713.82	737.24
70	715.48	751.83	772.94
75	768.93	807.91	834.32
80	843.69	886.36	923.32
85	941.23	988.72	1034.76
90	1060.02	1113.41	1159.81
95	1196.03	1256.17	1306.29
100	1343.42	1410.89	1475.50
105	1495.18	1570.21	1648.66
110	1643.57	1726.00	1809.62
115	1780.56	1869.82	1949.81
120	1898.14	1993.27	2075.52
125	1988.88	2088.53	2177.44
130	2046.39	2148.91	2244.19
135	2065.90	2169.40	2267.23
140	2044.73	2147.16	2234.63
145	1982.65	2081.99	2142.29
150	1882.10	1976.42	2003.69
155	1748.07	1835.71	1839.28
160	1587.82	1667.47	1667.47
165	1410.26	1481.06	1508.06
170	1225.28	1286.88	1348.13
175	1042.88	1095.42	1150.96

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	872.34	916.43	963.31
185	721.36	758.00	793.73
190	595.19	625.65	652.35
195	495.70	521.31	563.27
200	420.79	442.81	480.99
205	364.92	384.29	410.54
210	321.08	338.41	369.86
215	283.30	298.92	350.53
220	248.18	262.25	326.70
225	215.04	227.71	295.18
230	185.31	196.79	259.27
235	161.49	172.10	260.74
240	145.62	155.71	199.99
245	137.56	147.41	190.81
250	134.43	144.19	180.87
255	132.17	141.87	166.81
260	127.53	137.10	150.93
265	118.93	128.30	137.76
270	106.66	115.80	133.37
275	92.67	101.66	135.20
280	80.16	89.17	140.05
285	72.18	81.31	157.11
290	69.12	78.32	133.10
295	68.29	77.52	120.90
300	68.14	77.37	120.70
305	73.80	82.90	147.96
310	96.44	105.45	142.41
315	141.13	151.09	204.22
320	204.21	216.44	283.24
325	279.72	295.18	365.05
330	361.40	380.62	442.57
335	442.89	465.96	513.08
340	518.03	544.72	574.55
345	581.46	611.25	631.28
350	629.25	661.36	683.43
355	659.29	692.88	722.79