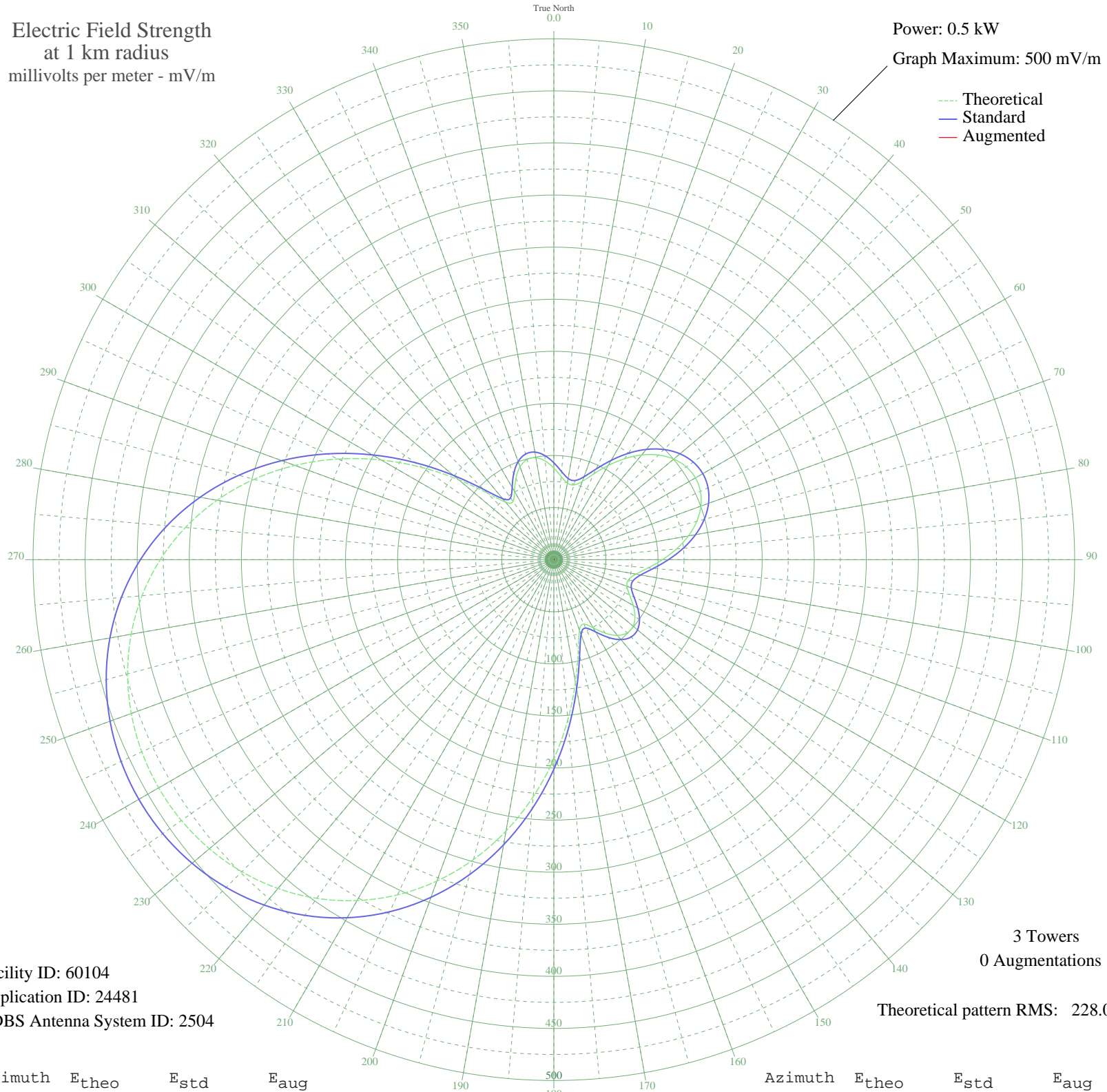


# WRNR MARTINSBURG, WV BL-19801021AF 740 kHz

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 60104  
Application ID: 24481  
CDBS Antenna System ID: 2504

3 Towers  
0 Augmentations

Theoretical pattern RMS: 228.04

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	88.01	93.00	
5	80.25	84.91	
10	74.69	79.12	
15	74.21	78.63	
20	80.01	84.67	
25	90.84	95.96	
30	104.31	110.02	
35	118.26	124.62	
40	131.19	138.15	
45	142.06	149.53	
50	150.22	158.07	
55	155.26	163.36	
60	156.96	165.14	
65	155.26	163.36	
70	150.22	158.07	
75	142.06	149.53	
80	131.19	138.15	
85	118.26	124.62	
90	104.31	110.02	
95	90.84	95.96	
100	80.01	84.67	
105	74.21	78.63	
110	74.69	79.12	
115	80.25	84.91	
120	88.01	93.00	
125	95.08	100.38	
130	99.33	104.82	
135	99.43	104.93	
140	94.87	100.17	
145	86.18	91.10	
150	75.57	80.04	
155	68.23	72.41	
160	72.02	76.34	
165	90.42	95.52	
170	119.47	125.89	
175	154.22	162.27	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	191.33	201.17	
185	228.60	240.26	
190	264.53	277.95	
195	298.02	313.09	
200	328.33	344.91	
205	355.03	372.93	
210	377.88	396.92	
215	396.87	416.84	
220	412.06	432.79	
225	423.62	444.92	
230	431.71	453.42	
235	436.50	458.44	
240	438.08	460.10	
245	436.50	458.44	
250	431.71	453.42	
255	423.62	444.92	
260	412.06	432.79	
265	396.87	416.84	
270	377.88	396.92	
275	355.03	372.93	
280	328.33	344.91	
285	298.02	313.09	
290	264.53	277.95	
295	228.60	240.26	
300	191.33	201.17	
305	154.22	162.27	
310	119.47	125.89	
315	90.42	95.52	
320	72.02	76.34	
325	68.23	72.41	
330	75.57	80.04	
335	86.18	91.10	
340	94.87	100.17	
345	99.43	104.93	
350	99.33	104.82	
355	95.08	100.38	

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