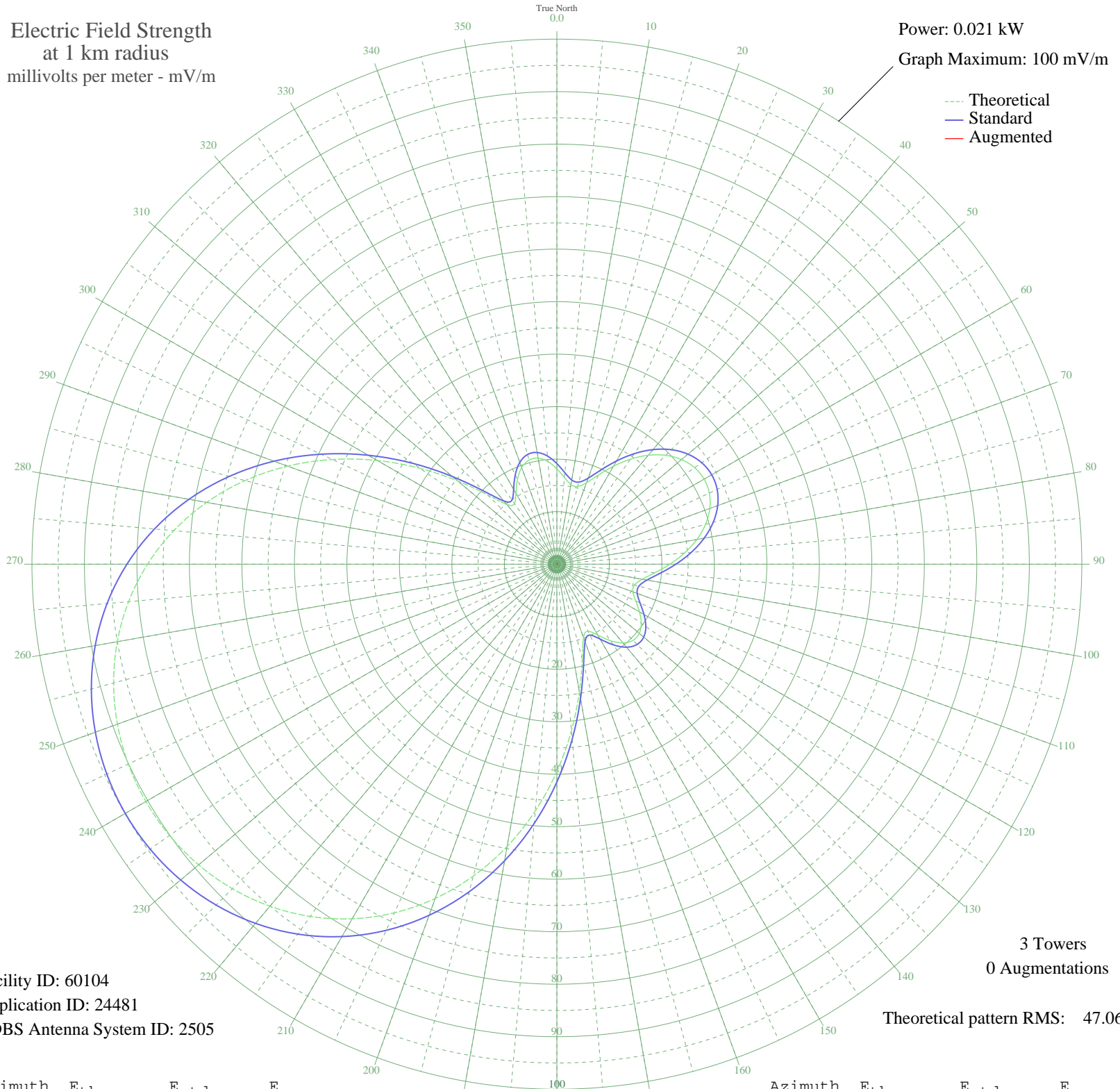


# WRNR MARTINSBURG, WV BL-19801021AF 740 kHz

Nighttime

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

Power: 0.021 kW  
Graph Maximum: 100 mV/m



Facility ID: 60104  
Application ID: 24481  
CDBS Antenna System ID: 2505

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 47.06

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	18.16	19.15	
5	16.56	17.48	
10	15.41	16.28	
15	15.31	16.18	
20	16.51	17.43	
25	18.75	19.77	
30	21.53	22.67	
35	24.41	25.69	
40	27.07	28.48	
45	29.32	30.83	
50	31.00	32.60	
55	32.04	33.69	
60	32.39	34.06	
65	32.04	33.69	
70	31.00	32.60	
75	29.32	30.83	
80	27.07	28.48	
85	24.41	25.69	
90	21.53	22.67	
95	18.75	19.77	
100	16.51	17.43	
105	15.31	16.18	
110	15.41	16.28	
115	16.56	17.48	
120	18.16	19.15	
125	19.62	20.68	
130	20.50	21.60	
135	20.52	21.62	
140	19.58	20.64	
145	17.79	18.76	
150	15.60	16.47	
155	14.08	14.89	
160	14.86	15.71	
165	18.66	19.67	
170	24.66	25.95	
175	31.83	33.47	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	39.48	41.50	
185	47.18	49.57	
190	54.59	57.35	
195	61.50	64.60	
200	67.76	71.17	
205	73.27	76.95	
210	77.98	81.90	
215	81.90	86.01	
220	85.04	89.31	
225	87.42	91.81	
230	89.09	93.56	
235	90.08	94.60	
240	90.41	94.94	
245	90.08	94.60	
250	89.09	93.56	
255	87.42	91.81	
260	85.04	89.31	
265	81.90	86.01	
270	77.98	81.90	
275	73.27	76.95	
280	67.76	71.17	
285	61.50	64.60	
290	54.59	57.35	
295	47.18	49.57	
300	39.48	41.50	
305	31.83	33.47	
310	24.66	25.95	
315	18.66	19.67	
320	14.86	15.71	
325	14.08	14.89	
330	15.60	16.47	
335	17.79	18.76	
340	19.58	20.64	
345	20.52	21.62	
350	20.50	21.60	
355	19.62	20.68	