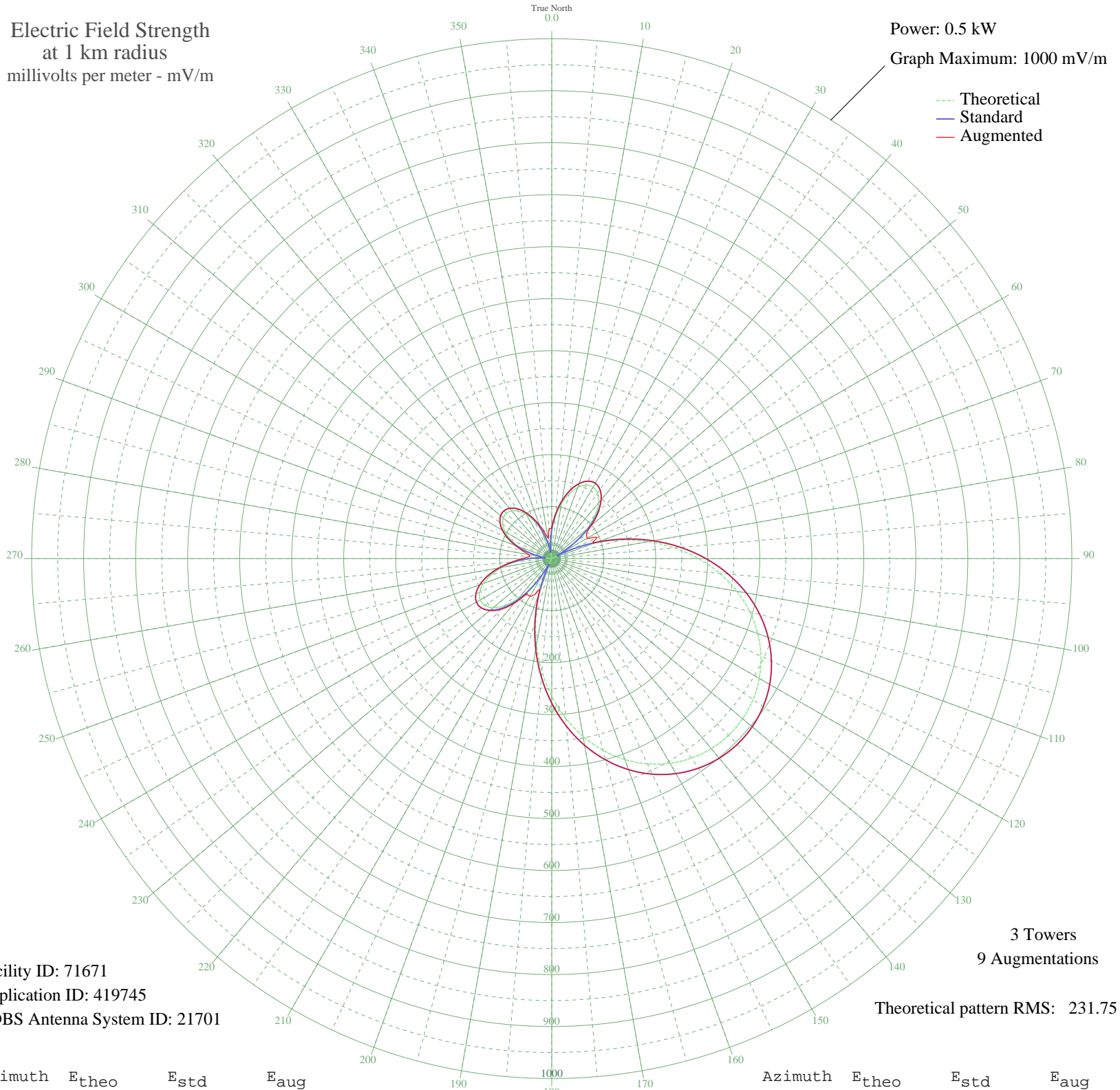


# WAJR MORGANTOWN, WV BL-12666 1440 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 1000 mV/m



Facility ID: 71671  
Application ID: 419745  
CDBS Antenna System ID: 21701

3 Towers  
9 Augmentations  
Theoretical pattern RMS: 231.75

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	52.66	56.51	61.66
5	80.98	85.82	86.62
10	106.89	112.83	112.83
15	128.94	135.89	135.89
20	145.77	153.50	153.50
25	156.12	164.34	164.34
30	159.01	167.37	167.37
35	153.76	161.87	161.87
40	140.05	147.51	147.51
45	118.00	124.45	126.88
50	88.13	93.27	99.62
55	51.35	55.16	81.22
60	8.87	14.93	78.13
65	37.90	41.47	95.71
70	87.36	92.46	92.46
75	137.94	145.30	145.30
80	188.14	197.90	197.90
85	236.63	248.73	248.73
90	282.25	296.59	296.59
95	324.10	340.51	340.51
100	361.53	379.79	379.79
105	394.09	413.96	413.96
110	421.53	442.76	442.76
115	443.74	466.07	466.07
120	460.71	483.88	483.88
125	472.47	496.23	496.23
130	479.10	503.19	503.19
135	480.63	504.79	504.79
140	477.06	501.05	501.05
145	468.39	491.94	491.94
150	454.55	477.42	477.42
155	435.49	457.41	457.41
160	411.18	431.90	431.90
165	381.67	400.93	400.93
170	347.13	364.67	364.67
175	307.86	323.46	323.46

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 <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	264.41	277.87	277.87
185	217.52	228.69	228.69
190	168.20	176.99	176.99
195	117.67	124.10	124.10
200	67.35	71.67	71.67
205	18.79	22.92	75.96
210	26.45	30.13	83.35
215	66.82	71.13	82.44
220	100.97	106.66	112.17
225	127.80	134.69	138.13
230	146.55	154.32	155.52
235	156.87	165.12	165.16
240	158.81	167.15	167.15
245	152.83	160.89	160.89
250	139.75	147.20	147.20
255	120.67	127.24	127.24
260	96.90	102.42	102.87
265	69.86	74.27	78.15
270	40.97	44.57	56.83
275	11.62	16.88	44.19
280	16.97	21.29	45.50
285	43.62	47.26	57.91
290	67.44	71.77	74.95
295	87.66	92.78	93.01
300	103.71	109.52	109.52
305	115.16	121.48	121.48
310	121.72	128.34	128.34
315	123.24	129.93	129.93
320	119.69	126.22	126.22
325	111.15	117.29	117.29
330	97.82	103.38	103.42
335	80.05	84.85	86.59
340	58.30	62.32	68.70
345	33.25	36.81	51.60
350	5.73	13.13	40.11
355	23.33	27.13	57.15