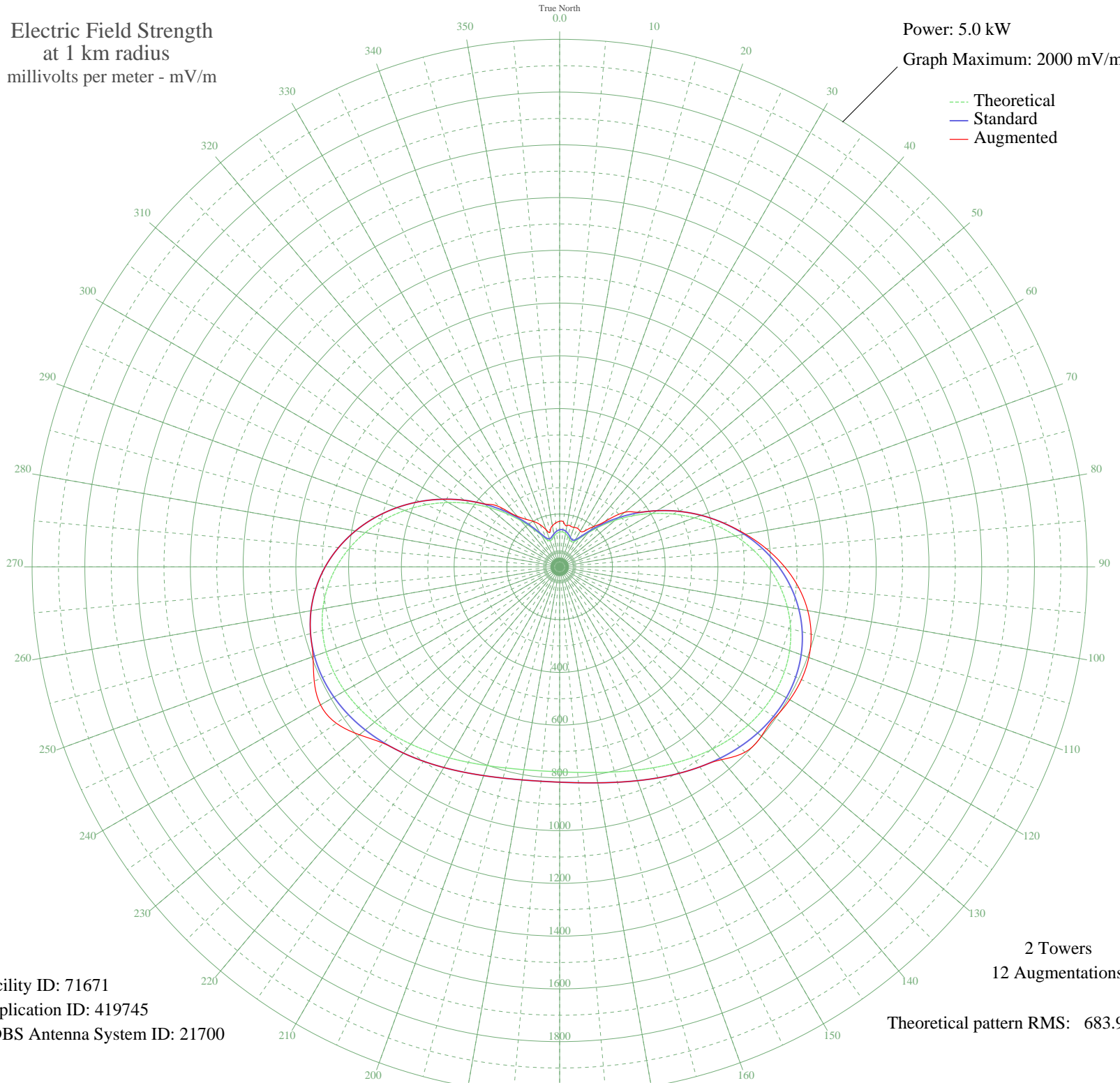


# WAJR MORGANTOWN, WV BL-12666 1440 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 71671  
Application ID: 419745  
CDBS Antenna System ID: 21700

2 Towers  
12 Augmentations  
Theoretical pattern RMS: 683.97

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	132.22	140.80	172.73
5	132.71	141.31	169.99
10	128.40	136.85	158.23
15	120.24	128.42	159.66
20	110.78	118.67	159.47
25	105.07	112.80	160.93
30	110.40	118.27	156.26
35	131.88	140.45	166.13
40	168.75	178.74	198.87
45	217.37	229.44	243.54
50	274.48	289.16	321.87
55	337.61	355.26	360.52
60	404.71	425.59	425.59
65	473.92	498.17	498.17
70	543.46	571.12	571.12
75	611.56	642.56	642.71
80	676.52	710.73	715.27
85	736.76	773.95	786.85
90	790.88	830.76	853.01
95	837.73	879.92	910.01
100	876.43	920.55	955.15
105	906.47	952.09	986.97
110	927.69	974.36	1005.36
115	940.29	987.58	1011.45
120	944.79	992.31	1007.50
125	942.02	989.40	996.44
130	933.03	979.97	998.48
135	919.07	965.31	993.73
140	901.46	946.83	954.38
145	881.58	925.95	925.95
150	860.76	904.11	904.11
155	840.28	882.61	882.61
160	821.28	862.66	862.66
165	804.74	845.31	845.31
170	791.49	831.39	831.39
175	782.14	821.58	821.58

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	777.12	816.32	816.32
185	776.66	815.83	815.83
190	780.78	820.15	820.15
195	789.29	829.09	829.09
200	801.81	842.22	842.22
205	817.75	858.95	858.95
210	836.33	878.46	878.46
215	856.60	899.74	899.74
220	877.45	921.62	921.62
225	897.62	942.80	945.66
230	915.80	961.87	990.57
235	930.60	977.41	1033.69
240	940.68	987.99	1046.83
245	944.79	992.30	1026.54
250	941.82	989.18	995.21
255	930.89	977.72	977.72
260	911.42	957.28	957.28
265	883.14	927.60	927.60
270	846.14	888.76	888.76
275	800.87	841.24	841.24
280	748.12	785.87	785.87
285	688.99	723.82	723.82
290	624.85	656.52	656.52
295	557.25	585.58	585.58
300	487.86	512.79	512.79
305	418.44	439.99	439.99
310	350.77	369.06	370.71
315	286.70	301.95	320.84
320	228.20	240.76	250.61
325	177.65	188.01	219.46
330	138.13	146.93	199.14
335	113.34	121.31	177.08
340	105.02	112.74	149.41
345	109.13	116.97	139.31
350	118.33	126.45	157.86
355	127.02	135.42	167.69