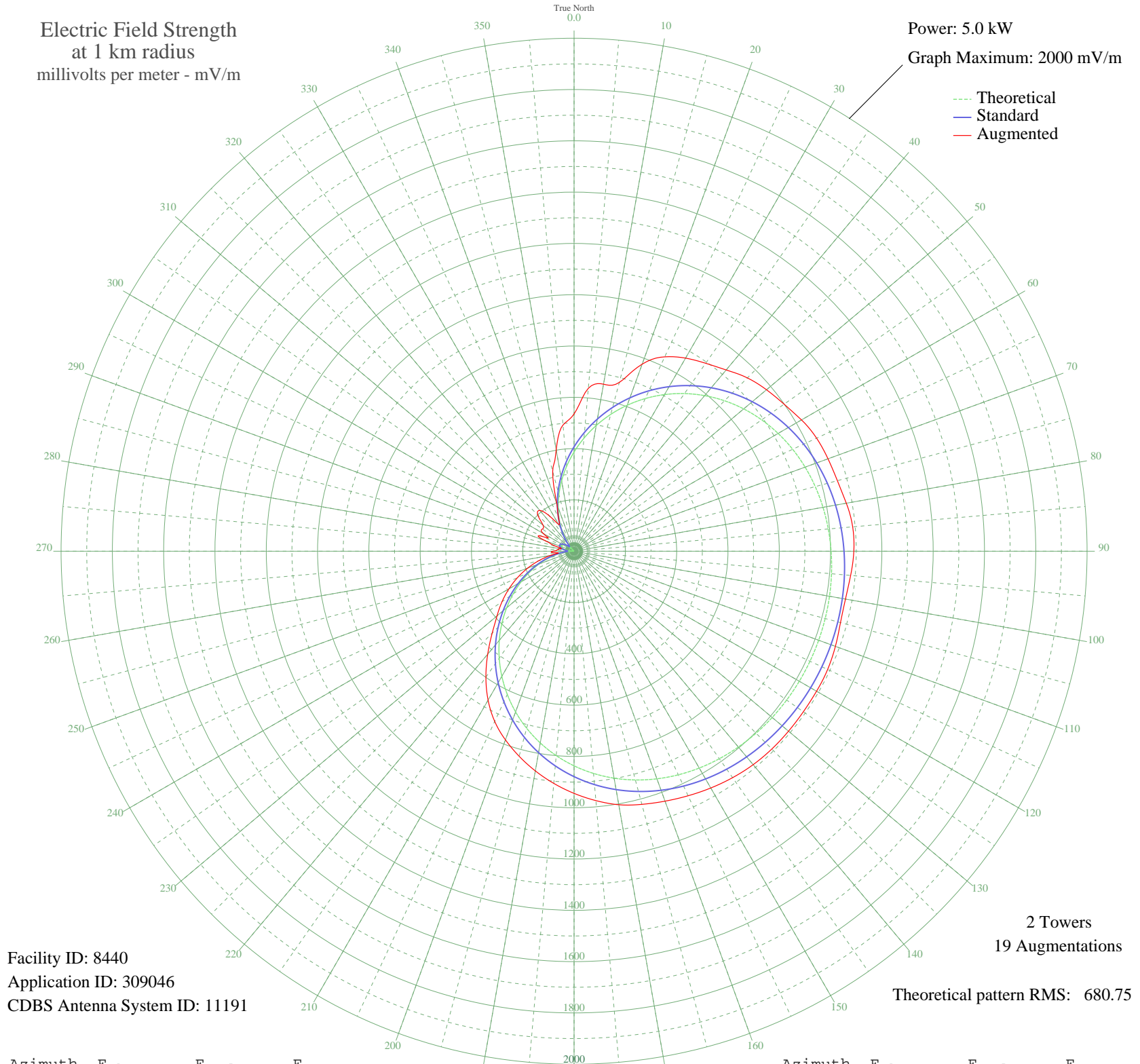


# WBMJ SAN JUAN, PR BL-- 1190 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 8440  
Application ID: 309046  
CDBS Antenna System ID: 11191

2 Towers  
19 Augmentations  
Theoretical pattern RMS: 680.75

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	386.99	407.02	535.24
5	442.36	465.07	637.53
10	497.75	523.16	661.22
15	552.40	580.50	681.31
20	605.61	636.32	776.11
25	656.71	689.95	836.13
30	705.11	740.74	869.29
35	750.30	788.17	894.54
40	791.90	831.83	922.53
45	829.63	871.43	955.56
50	863.33	906.80	979.31
55	892.95	937.89	999.54
60	918.57	964.79	1023.79
65	940.36	987.66	1043.19
70	958.56	1006.77	1053.53
75	973.49	1022.43	1062.76
80	985.47	1035.01	1077.77
85	994.89	1044.90	1090.32
90	1002.10	1052.46	1090.71
95	1007.42	1058.06	1082.37
100	1011.17	1061.98	1074.42
105	1013.56	1064.49	1075.30
110	1014.76	1065.76	1084.25
115	1014.87	1065.87	1090.75
120	1013.89	1064.84	1091.56
125	1011.75	1062.59	1091.20
130	1008.29	1058.97	1091.40
135	1003.30	1053.73	1090.39
140	996.50	1046.59	1086.24
145	987.55	1037.19	1077.66
150	976.11	1025.18	1065.88
155	961.80	1010.16	1051.93
160	944.28	991.77	1036.97
165	923.23	969.68	1021.66
170	898.39	943.60	1003.62
175	869.58	913.36	976.00

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.

13 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	836.70	878.84	944.06
185	799.77	840.08	908.57
190	758.92	797.21	869.64
195	714.42	750.51	827.50
200	666.62	700.35	782.52
205	616.02	647.25	732.12
210	563.18	591.81	670.40
215	508.76	534.71	599.34
220	453.46	476.71	523.80
225	398.03	418.59	451.40
230	343.21	361.13	392.03
235	289.73	305.12	342.68
240	238.31	251.32	293.13
245	189.59	200.45	243.07
250	144.16	153.18	192.50
255	102.54	110.20	141.85
260	65.18	72.36	92.21
265	32.46	41.39	68.70
270	4.68	23.99	81.96
275	17.92	30.09	65.21
280	35.17	43.76	58.30
285	46.92	54.58	70.76
290	53.10	60.50	119.47
295	53.66	61.04	136.11
300	48.60	56.18	139.89
305	37.96	46.26	150.75
310	21.81	32.80	157.72
315	0.26	23.48	200.06
320	26.50	36.41	207.55
325	58.26	65.52	168.50
330	94.71	102.18	120.87
335	135.51	144.21	144.21
340	180.22	190.68	195.94
345	228.33	240.89	321.86
350	279.26	294.16	401.27
355	332.38	349.79	494.07