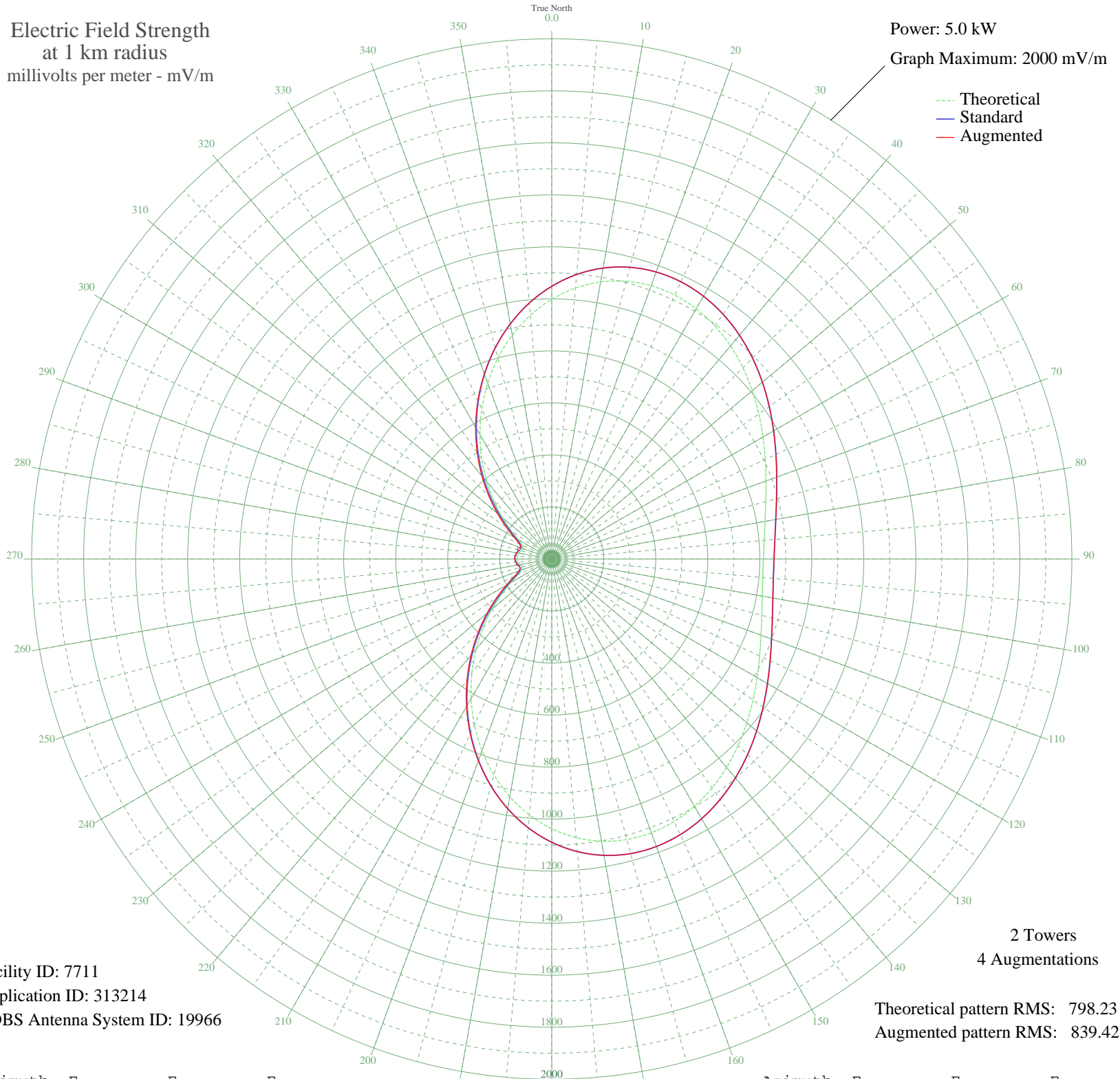


# WDRC HARTFORD, CT BS-139 1360 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 7711  
Application ID: 313214  
CDBS Antenna System ID: 19966

2 Towers  
4 Augmentations

Theoretical pattern RMS: 798.23  
Augmented pattern RMS: 839.42

Azimuth	Etheo	Estd	Eaug
0	998.26	1048.44	1048.44
5	1045.46	1097.98	1097.98
10	1081.33	1135.64	1135.64
15	1105.47	1160.98	1160.98
20	1117.99	1174.13	1174.13
25	1119.47	1175.68	1175.68
30	1110.91	1166.69	1166.69
35	1093.66	1148.58	1148.58
40	1069.35	1123.06	1123.06
45	1039.77	1092.01	1092.01
50	1006.79	1057.39	1057.39
55	972.29	1021.17	1021.17
60	938.02	985.20	985.20
65	905.63	951.20	951.20
70	876.54	920.67	920.67
75	851.97	894.88	894.88
80	832.88	874.84	874.84
85	820.00	861.32	861.32
90	813.79	854.81	854.81
95	814.49	855.53	855.53
100	822.05	863.48	863.48
105	836.22	878.35	878.35
110	856.47	899.60	899.60
115	882.04	926.43	926.43
120	911.89	957.77	957.77
125	944.78	992.29	992.29
130	979.22	1028.45	1028.45
135	1013.57	1064.51	1064.51
140	1046.01	1098.57	1098.57
145	1074.69	1128.67	1128.67
150	1097.73	1152.86	1152.86
155	1113.37	1169.27	1169.27
160	1120.02	1176.26	1176.26
165	1116.40	1172.45	1172.45
170	1101.58	1156.90	1156.90
175	1075.09	1129.09	1129.09

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	1036.91	1089.01	1089.01
185	987.53	1037.17	1037.30
190	927.91	974.59	975.12
195	859.44	902.72	903.93
200	783.85	823.38	825.53
205	703.14	738.67	741.98
210	619.46	650.86	655.50
215	535.07	562.31	568.35
220	452.20	475.39	482.80
225	373.09	392.45	401.06
230	299.99	315.87	325.32
235	235.32	248.20	257.90
240	181.93	192.46	201.47
245	143.29	152.28	159.31
250	122.34	130.59	134.51
255	117.69	125.79	126.86
260	122.42	130.67	134.98
265	129.08	137.55	137.99
270	133.09	141.70	141.70
275	132.62	141.22	141.22
280	127.86	136.29	136.29
285	121.12	129.33	135.67
290	117.60	125.70	129.81
295	125.09	133.43	137.57
300	149.67	158.90	167.28
305	191.54	202.49	213.64
310	247.45	260.88	272.91
315	314.02	330.56	341.97
320	388.51	408.61	418.43
325	468.54	492.53	500.26
330	551.89	579.96	585.47
335	636.33	668.55	672.02
340	719.59	755.93	757.74
345	799.44	839.75	840.41
350	873.76	917.75	917.84
355	940.59	987.90	987.90