

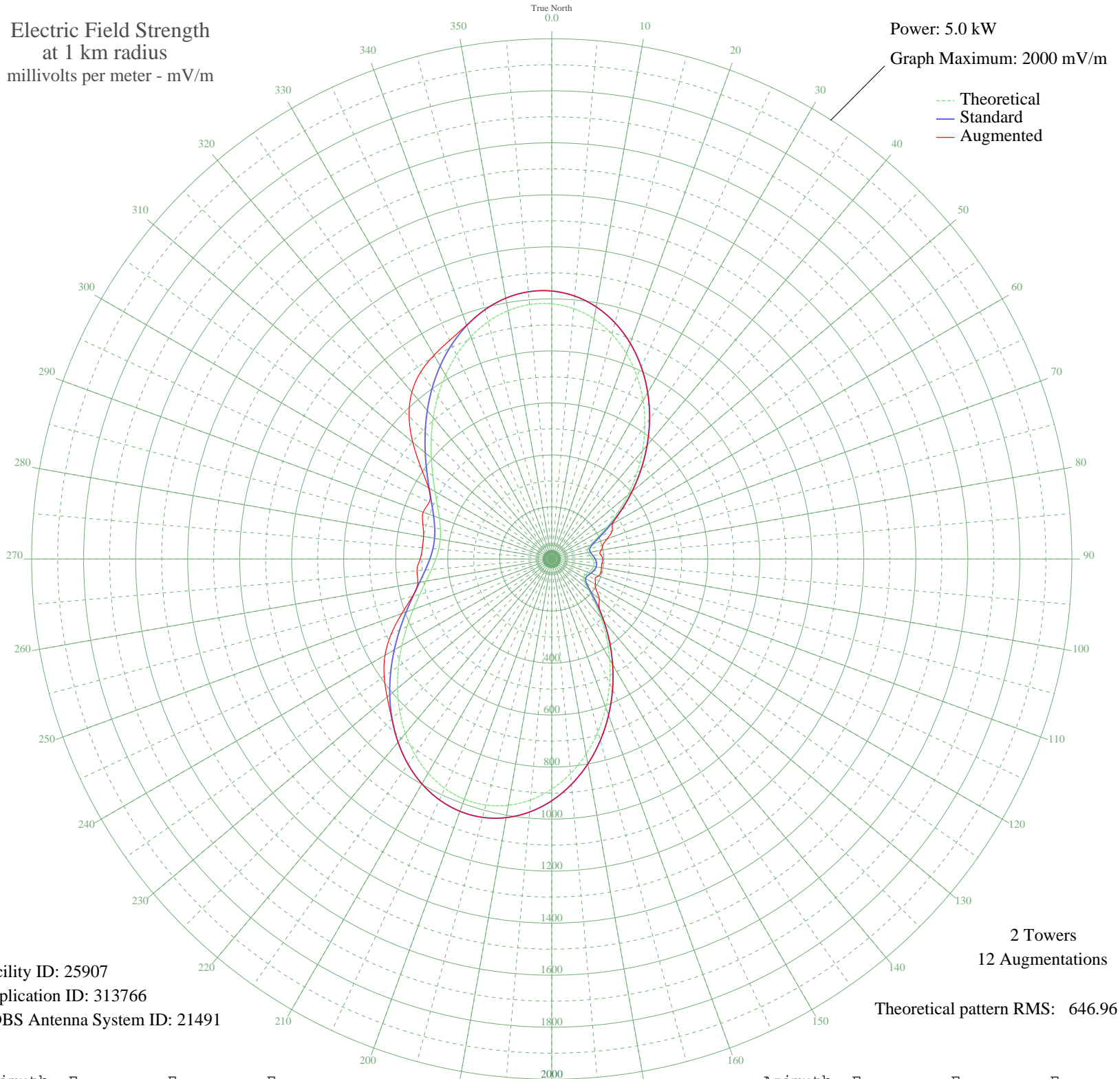
# WPNI AMHERST, MA BL-- 1430 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 25907  
Application ID: 313766  
CDBS Antenna System ID: 21491

2 Towers  
12 Augmentations  
Theoretical pattern RMS: 646.96

Azimuth	Etheo	Estd	Eaug
0	980.97	1030.28	1030.28
5	966.06	1014.64	1014.64
10	937.12	984.26	984.26
15	894.79	939.82	939.82
20	840.32	882.65	882.65
25	775.53	814.64	814.64
30	702.63	738.13	738.13
35	624.16	655.79	655.79
40	542.84	570.47	570.47
45	461.46	485.10	485.10
50	382.85	402.67	402.67
55	309.89	326.23	326.23
60	245.73	259.08	269.93
65	194.02	205.07	256.64
70	158.78	168.36	226.88
75	142.34	151.29	202.58
80	141.65	150.58	192.56
85	149.11	158.32	188.01
90	157.66	167.20	195.73
95	163.12	172.88	194.00
100	163.65	173.43	193.54
105	159.09	168.68	195.78
110	150.91	160.18	190.98
115	142.76	151.72	184.01
120	141.15	150.05	193.12
125	153.98	163.38	209.74
130	185.53	196.21	238.74
135	234.26	247.09	256.56
140	296.25	311.94	311.94
145	367.71	386.81	386.81
150	445.43	468.29	468.29
155	526.48	553.30	553.30
160	608.04	638.87	638.87
165	687.29	722.04	722.04
170	761.52	799.94	799.94
175	828.12	869.85	869.85

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	Etheo	Estd	Eaug
180	884.81	929.35	929.35
185	929.69	976.46	976.46
190	961.39	1009.73	1009.73
195	979.12	1028.34	1028.34
200	982.77	1032.17	1032.17
205	972.85	1021.77	1021.77
210	950.49	998.29	998.29
215	917.30	963.45	963.45
220	875.30	919.37	919.37
225	826.76	868.42	869.56
230	774.06	813.11	826.19
235	719.59	755.93	786.62
240	665.59	699.26	740.30
245	614.11	645.24	680.94
250	566.93	595.74	613.48
255	525.51	552.29	554.09
260	491.02	516.10	522.88
265	464.28	488.06	520.21
270	445.88	468.77	505.95
275	436.16	458.57	499.20
280	435.27	457.64	500.29
285	443.24	465.99	513.01
290	459.92	483.49	526.10
295	485.03	509.82	519.34
300	518.03	544.44	547.15
305	558.14	586.52	614.46
310	604.28	634.92	697.54
315	655.03	688.18	775.78
320	708.68	744.48	836.86
325	763.24	801.74	878.08
330	816.48	857.62	904.96
335	866.04	909.65	927.91
340	909.54	955.30	956.85
345	944.66	992.17	992.17
350	969.33	1018.07	1018.07
355	981.84	1031.20	1031.20