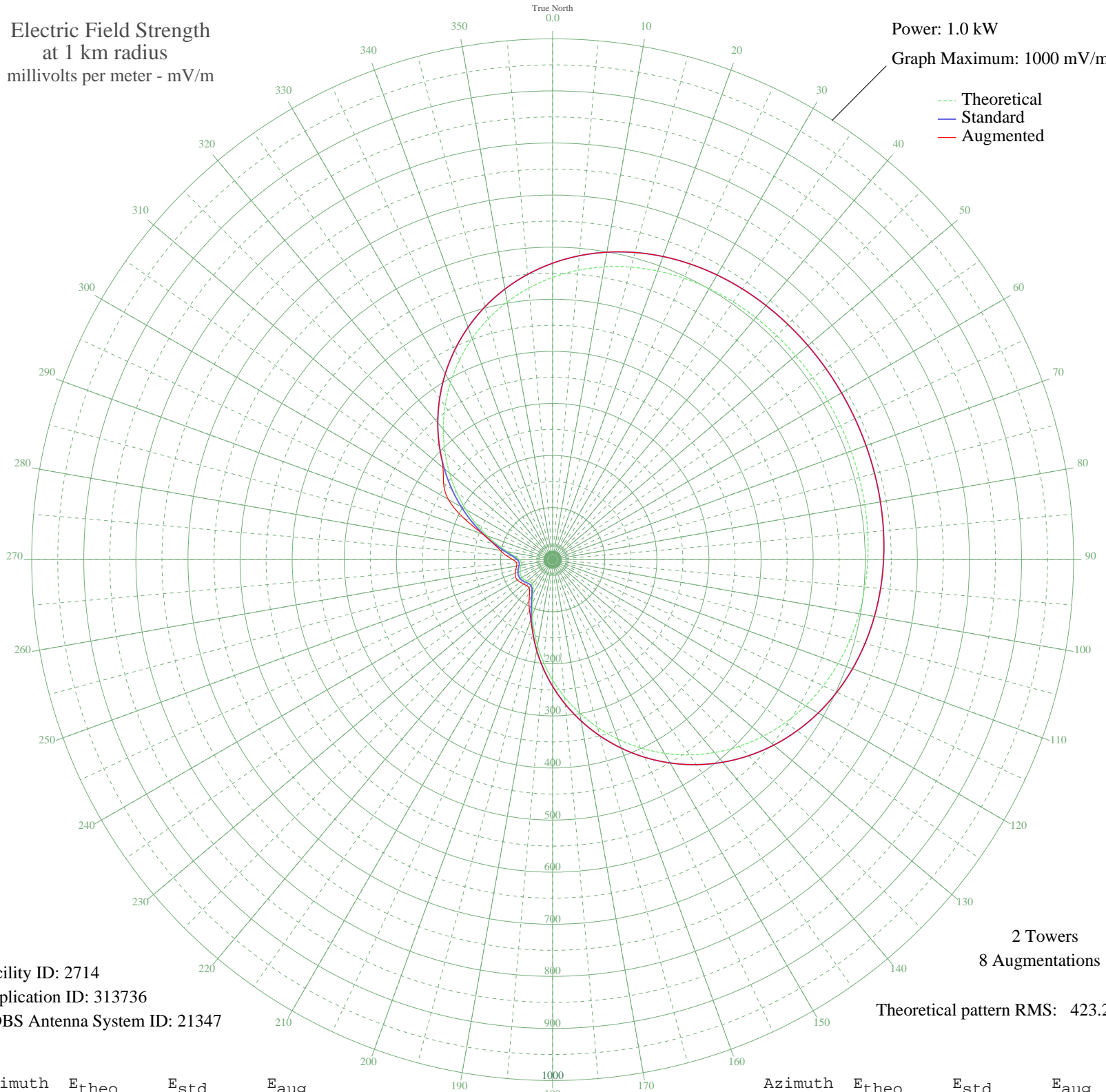


# WBEC PITTSFIELD, MA BL-- 1420 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 2714  
Application ID: 313736  
CDBS Antenna System ID: 21347

2 Towers  
8 Augmentations

Theoretical pattern RMS: 423.26

Azimuth	Etheo	Estd	Eaug
0	542.01	569.22	569.22
5	557.72	585.71	585.71
10	570.79	599.44	599.44
15	581.40	610.58	610.58
20	589.79	619.38	619.38
25	596.21	626.12	626.12
30	600.96	631.11	631.11
35	604.35	634.66	634.66
40	606.65	637.08	637.08
45	608.14	638.65	638.65
50	609.04	639.59	639.59
55	609.54	640.12	640.12
60	609.77	640.36	640.36
65	609.78	640.38	640.38
70	609.60	640.19	640.19
75	609.17	639.73	639.73
80	608.36	638.88	638.88
85	607.00	637.46	637.46
90	604.88	635.23	635.23
95	601.74	631.93	631.93
100	597.28	627.25	627.25
105	591.22	620.88	620.88
110	583.25	612.52	612.52
115	573.10	601.87	601.87
120	560.54	588.67	588.67
125	545.37	572.75	572.75
130	527.47	553.96	553.96
135	506.80	532.27	532.27
140	483.41	507.71	507.71
145	457.42	480.43	480.43
150	429.07	450.67	450.67
155	398.66	418.75	418.75
160	366.58	385.08	385.08
165	333.29	350.14	350.14
170	299.29	314.46	314.46
175	265.14	278.63	278.63

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	231.41	243.25	243.25
185	198.72	208.96	208.96
190	167.68	176.44	176.44
195	138.99	146.38	146.46
200	113.41	119.62	122.68
205	91.85	97.11	105.50
210	75.39	79.98	90.61
215	65.00	69.19	77.01
220	60.70	64.75	70.52
225	60.98	65.04	70.52
230	63.49	67.63	72.69
235	66.22	70.46	75.51
240	67.95	72.25	78.27
245	68.12	72.43	78.59
250	66.67	70.93	76.14
255	64.07	68.23	73.18
260	61.38	65.45	70.30
265	60.46	64.50	69.40
270	63.68	67.83	76.32
275	72.81	77.29	89.36
280	88.11	93.22	101.96
285	108.74	114.74	116.83
290	133.60	140.74	141.50
295	161.73	170.20	187.91
300	192.36	202.30	231.06
305	224.77	236.29	255.62
310	258.34	271.50	274.90
315	292.45	307.29	307.29
320	326.53	343.04	343.04
325	360.00	378.17	378.17
330	392.36	412.14	412.14
335	423.14	444.45	444.45
340	451.94	474.67	474.67
345	478.42	502.47	502.47
350	502.34	527.58	527.58
355	523.56	549.85	549.85