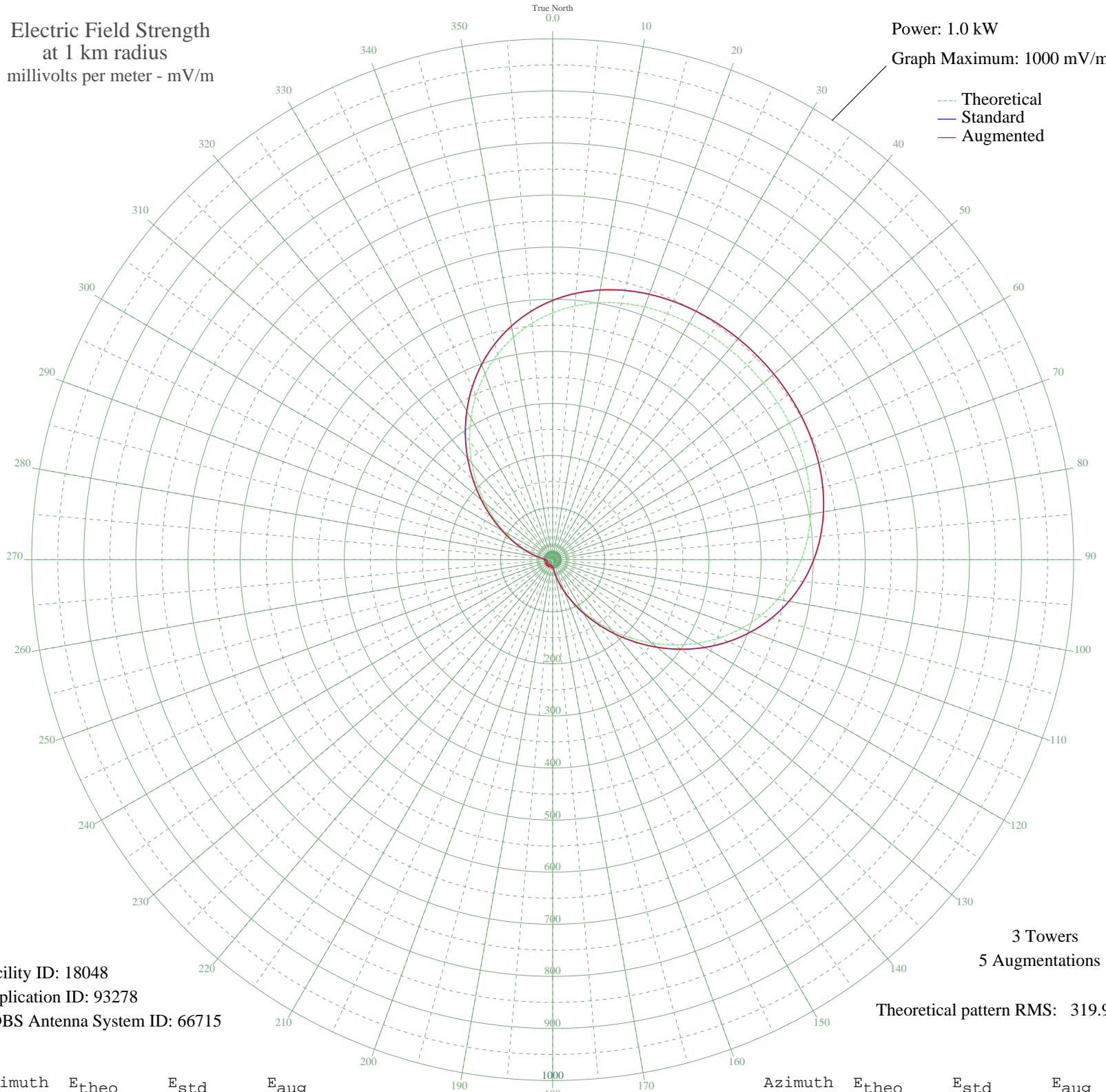


# WHCU ITHACA, NY BL-19861014AI 870 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 18048  
Application ID: 93278  
CDBS Antenna System ID: 66715

3 Towers  
5 Augmentations

Theoretical pattern RMS: 319.92

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	473.94	497.75	497.75
5	488.84	513.39	513.39
10	500.61	525.75	525.75
15	509.64	535.23	535.23
20	516.33	542.25	542.25
25	521.11	547.27	547.27
30	524.37	550.69	550.69
35	526.46	552.88	552.88
40	527.62	554.10	554.10
45	528.03	554.53	554.53
50	527.76	554.25	554.25
55	526.76	553.19	553.19
60	524.87	551.22	551.22
65	521.87	548.07	548.07
70	517.43	543.40	543.40
75	511.15	536.81	536.81
80	502.63	527.86	527.86
85	491.43	516.11	516.11
90	477.18	501.15	501.15
95	459.58	482.67	482.67
100	438.44	460.48	460.48
105	413.73	434.54	434.54
110	385.61	405.03	405.03
115	354.43	372.30	372.30
120	320.73	336.93	336.93
125	285.25	299.69	299.69
130	248.82	261.47	261.47
135	212.40	223.27	223.27
140	176.95	186.09	186.09
145	143.37	150.91	150.91
150	112.49	118.58	118.58
155	84.95	89.81	89.81
160	61.19	65.11	65.11
165	41.47	44.79	44.79
170	25.79	29.05	29.05
175	13.99	18.06	18.06

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.

20 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	5.74	12.10	14.46
185	0.99	10.55	16.09
190	2.49	10.82	14.24
195	3.29	11.05	11.09
200	2.82	10.91	10.91
205	1.65	10.64	13.70
210	0.73	10.53	16.11
215	1.62	10.64	13.69
220	2.55	10.84	13.28
225	2.94	10.94	16.08
230	2.68	10.87	14.11
235	1.84	10.68	12.89
240	0.81	10.53	16.00
245	1.39	10.60	14.48
250	2.63	10.86	11.02
255	3.28	11.05	11.05
260	2.77	10.90	13.47
265	0.94	10.55	16.08
270	4.48	11.51	14.77
275	12.07	16.46	16.48
280	23.13	26.46	26.46
285	38.01	41.27	41.27
290	56.92	60.69	60.69
295	79.88	84.53	84.53
300	106.70	112.52	112.52
305	136.96	144.19	144.19
310	170.05	178.86	178.86
315	205.20	215.72	215.72
320	241.51	253.80	253.80
325	278.01	292.10	292.10
330	313.75	329.61	329.61
335	347.87	365.41	365.41
340	379.60	398.72	398.72
345	408.37	428.92	428.92
350	433.78	455.59	455.59
355	455.64	478.53	478.53