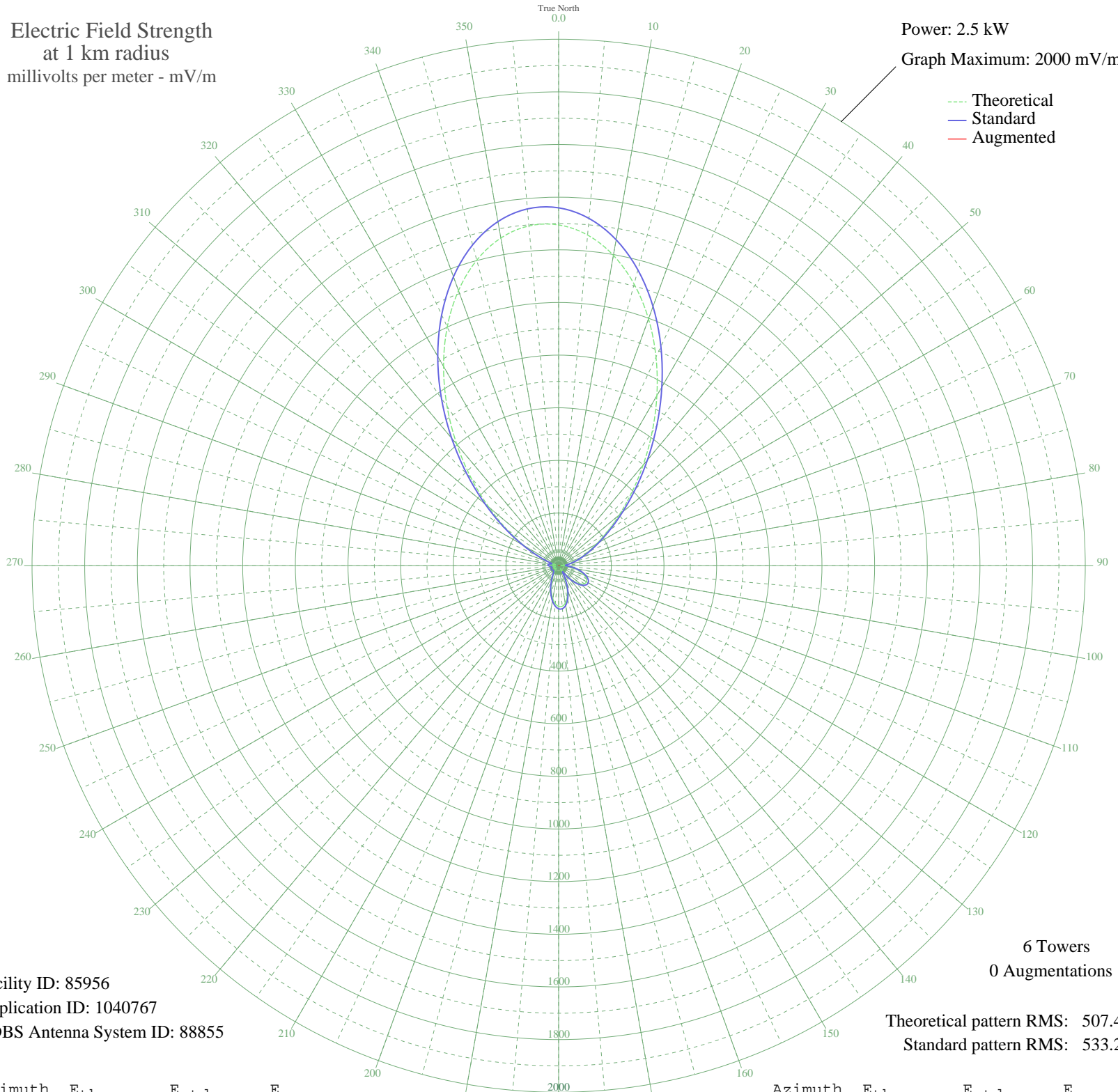


# WQTH CLAREMONT, NH BMAP-20050118AAN 720 kHz

Nighttime

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

Power: 2.5 kW  
Graph Maximum: 2000 mV/m



Facility ID: 85956  
Application ID: 1040767  
CDBS Antenna System ID: 88855

6 Towers  
0 Augmentations

Theoretical pattern RMS: 507.40  
Standard pattern RMS: 533.25

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1294.63	1359.55	
5	1261.06	1324.31	
10	1197.29	1257.36	
15	1107.56	1163.16	
20	997.75	1047.88	
25	874.80	918.82	
30	746.10	783.73	
35	618.79	650.12	
40	499.15	524.59	
45	392.03	412.25	
50	300.51	316.34	
55	225.76	238.13	
60	167.06	176.86	
65	122.04	130.12	
70	87.27	94.38	
75	59.07	66.02	
80	34.46	42.66	
85	12.86	26.32	
90	17.11	28.87	
95	39.72	47.44	
100	62.93	69.83	
105	84.59	91.65	
110	102.89	110.38	
115	115.90	123.77	
120	121.79	129.86	
125	119.14	127.12	
130	107.20	114.80	
135	86.10	93.19	
140	57.07	64.04	
145	23.33	33.33	
150	22.06	32.36	
155	59.08	66.02	
160	94.52	101.79	
165	123.82	131.96	
170	144.35	153.24	
175	154.62	163.92	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	154.37	163.65	
185	144.56	153.46	
190	127.24	135.50	
195	105.19	112.73	
200	81.46	88.47	
205	58.95	65.89	
210	39.83	47.53	
215	25.30	34.88	
220	15.75	28.00	
225	11.82	25.78	
230	13.51	26.68	
235	17.38	29.05	
240	20.31	31.07	
245	20.57	31.26	
250	17.56	29.17	
255	12.81	26.30	
260	12.84	26.31	
265	20.66	31.32	
270	29.15	38.05	
275	33.07	41.43	
280	28.53	37.52	
285	14.37	27.17	
290	27.78	36.90	
295	77.80	84.76	
300	148.46	157.51	
305	238.59	251.53	
310	346.45	364.47	
315	468.93	492.90	
320	601.60	632.08	
325	738.86	776.13	
330	874.29	918.29	
335	1001.04	1051.33	
340	1112.26	1168.10	
345	1201.70	1261.98	
350	1264.09	1327.49	
355	1295.70	1360.67	

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.

04 Aug 2005

Prepared by Audio Division, Media Bureau  
Federal Communications Commission