

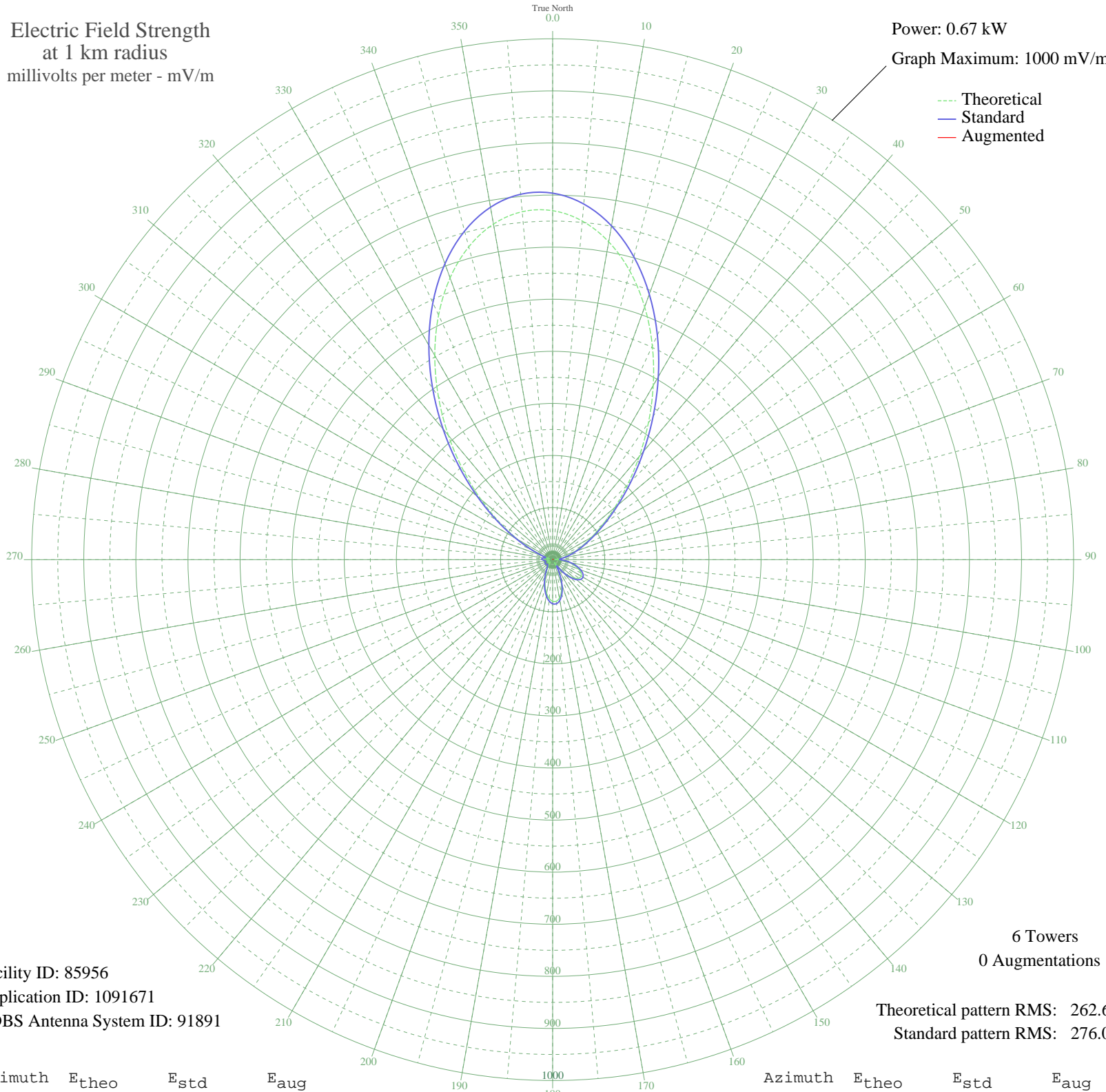
# DWQTH CLAREMONT, NH BMAP-20050118AAN 720 kHz

Nighttime

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

Power: 0.67 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 85956  
Application ID: 1091671  
CDBS Antenna System ID: 91891

6 Towers  
0 Augmentations

Theoretical pattern RMS: 262.62  
Standard pattern RMS: 276.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	670.06	703.66	
5	652.69	685.42	
10	619.68	650.77	
15	573.24	602.02	
20	516.41	542.35	
25	452.77	475.55	
30	386.16	405.63	
35	320.27	336.48	
40	258.34	271.51	
45	202.90	213.37	
50	155.54	163.73	
55	116.85	123.25	
60	86.46	91.54	
65	63.16	67.34	
70	45.17	48.85	
75	30.58	34.17	
80	17.83	22.08	
85	6.65	13.62	
90	8.86	14.94	
95	20.56	24.55	
100	32.57	36.14	
105	43.78	47.44	
110	53.25	57.13	
115	59.98	64.06	
120	63.03	67.21	
125	61.66	65.79	
130	55.48	59.42	
135	44.56	48.23	
140	29.54	33.15	
145	12.08	17.25	
150	11.42	16.75	
155	30.58	34.17	
160	48.92	52.68	
165	64.09	68.30	
170	74.71	79.31	
175	80.03	84.84	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	79.90	84.70	
185	74.82	79.43	
190	65.86	70.13	
195	54.44	58.35	
200	42.16	45.79	
205	30.51	34.10	
210	20.61	24.60	
215	13.10	18.05	
220	8.15	14.49	
225	6.12	13.35	
230	6.99	13.81	
235	9.00	15.04	
240	10.51	16.08	
245	10.64	16.18	
250	9.09	15.10	
255	6.63	13.61	
260	6.65	13.62	
265	10.69	16.21	
270	15.09	19.69	
275	17.12	21.44	
280	14.76	19.42	
285	7.44	14.06	
290	14.38	19.10	
295	40.27	43.87	
300	76.84	81.52	
305	123.49	130.19	
310	179.31	188.64	
315	242.70	255.11	
320	311.37	327.15	
325	382.41	401.70	
330	452.51	475.28	
335	518.11	544.14	
340	575.67	604.57	
345	621.96	653.16	
350	654.26	687.07	
355	670.62	704.24	

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