

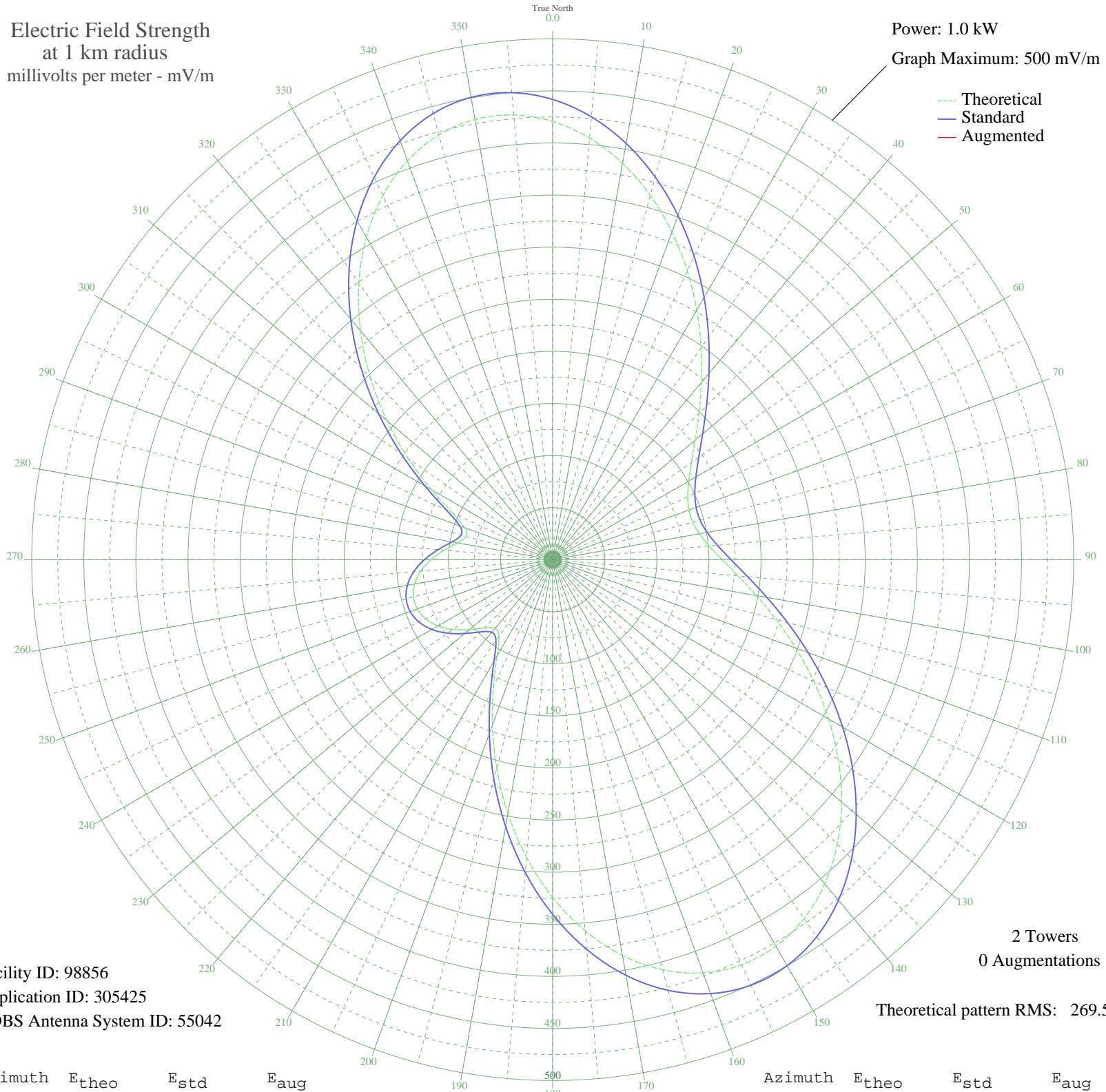
CFAN NEWCASTLE, NB Canada -- 790 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 98856  
Application ID: 305425  
CDBS Antenna System ID: 55042

2 Towers  
0 Augmentations

Theoretical pattern RMS: 269.57

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	420.65	441.81	
5	406.26	426.71	
10	386.33	405.78	
15	362.05	380.30	
20	334.77	351.66	
25	305.85	321.31	
30	276.63	290.65	
35	248.33	260.95	
40	222.02	233.36	
45	198.59	208.78	
50	178.69	187.92	
55	162.72	171.18	
60	150.85	158.74	
65	143.05	150.57	
70	139.20	146.53	
75	139.20	146.53	
80	143.05	150.57	
85	150.85	158.73	
90	162.72	171.17	
95	178.69	187.92	
100	198.59	208.78	
105	222.02	233.36	
110	248.32	260.95	
115	276.63	290.65	
120	305.85	321.31	
125	334.77	351.66	
130	362.05	380.30	
135	386.33	405.78	
140	406.26	426.71	
145	420.65	441.81	
150	428.50	450.05	
155	429.10	450.67	
160	422.08	443.31	
165	407.48	427.98	
170	385.72	405.14	
175	357.58	375.61	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	324.19	340.57	
185	286.95	301.48	
190	247.43	260.01	
195	207.42	218.05	
200	168.91	177.67	
205	134.28	141.38	
210	106.63	112.46	
215	89.79	94.86	
220	86.07	90.98	
225	92.85	98.06	
230	104.53	110.26	
235	116.75	123.03	
240	127.11	133.88	
245	134.46	141.57	
250	138.24	145.53	
255	138.24	145.53	
260	134.46	141.57	
265	127.11	133.88	
270	116.75	123.03	
275	104.53	110.26	
280	92.85	98.06	
285	86.07	90.98	
290	89.79	94.86	
295	106.63	112.46	
300	134.28	141.38	
305	168.91	177.67	
310	207.42	218.05	
315	247.43	260.01	
320	286.95	301.48	
325	324.19	340.57	
330	357.58	375.61	
335	385.72	405.14	
340	407.48	427.98	
345	422.08	443.31	
350	429.10	450.67	
355	428.50	450.05	

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