

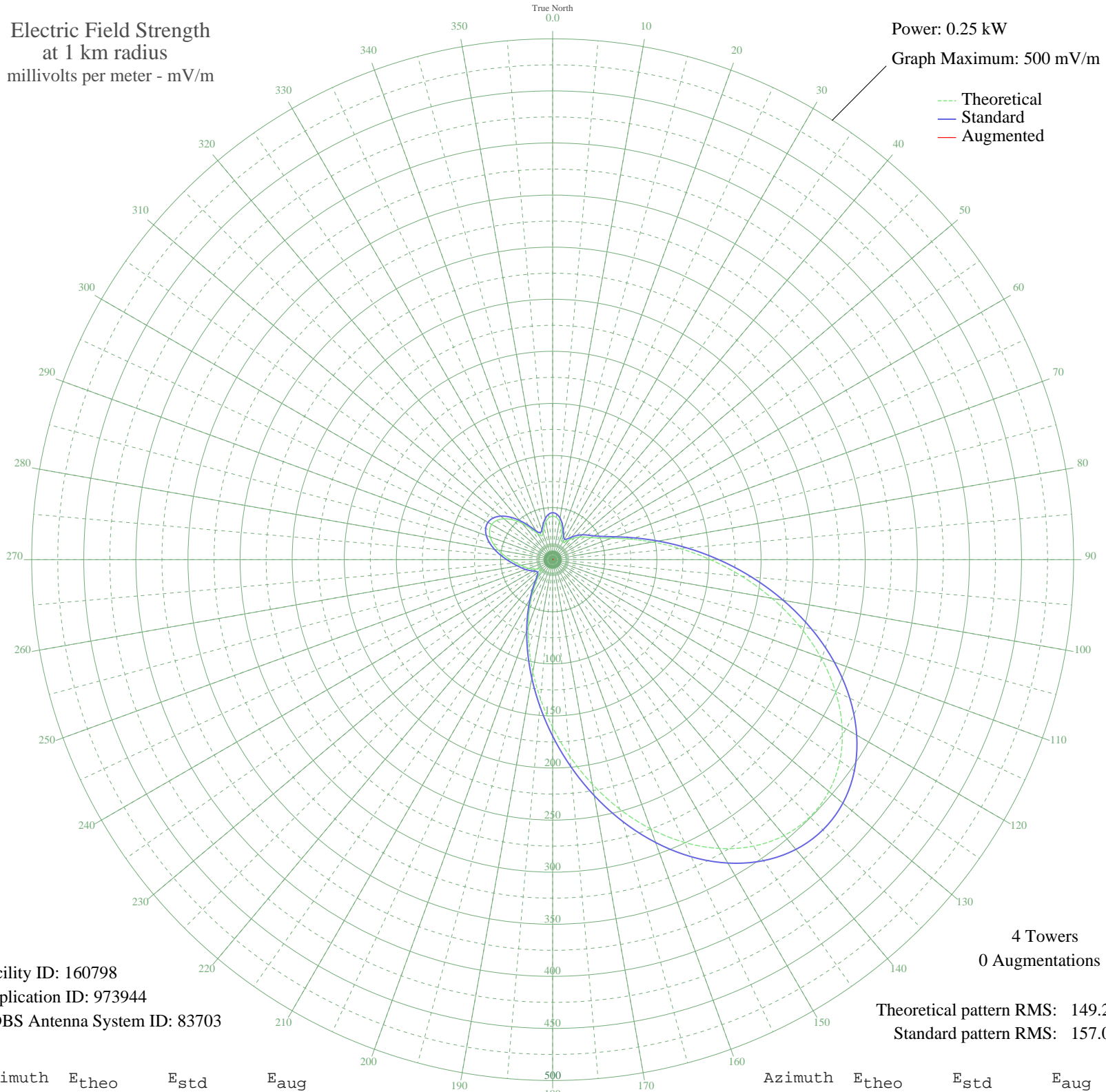
NEW HALIFAX, VA BNP-20040130AEB 1600 kHz

Nighttime

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

Power: 0.25 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 160798
Application ID: 973944
CDBS Antenna System ID: 83703

4 Towers
0 Augmentations
Theoretical pattern RMS: 149.20
Standard pattern RMS: 157.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	41.74	45.07	
5	40.62	43.93	
10	37.30	40.55	
15	32.32	35.52	
20	26.57	29.81	
25	21.51	24.91	
30	19.20	22.73	
35	20.79	24.22	
40	24.90	28.18	
45	29.59	32.80	
50	33.88	37.10	
55	37.81	41.07	
60	42.37	45.71	
65	49.27	52.79	
70	60.28	64.16	
75	76.35	80.85	
80	97.42	102.82	
85	122.79	129.36	
90	151.47	159.39	
95	182.25	191.65	
100	213.83	224.76	
105	244.81	257.27	
110	273.82	287.70	
115	299.53	314.68	
120	320.75	336.95	
125	336.53	353.51	
130	346.14	363.60	
135	349.21	366.82	
140	345.67	363.11	
145	335.78	352.73	
150	320.12	336.29	
155	299.52	314.67	
160	274.99	288.93	
165	247.70	260.29	
170	218.84	230.02	
175	189.59	199.34	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	161.01	169.39	
185	134.03	141.13	
190	109.36	115.31	
195	87.47	92.44	
200	68.61	72.80	
205	52.79	56.42	
210	39.86	43.15	
215	29.57	32.78	
220	21.80	25.18	
225	16.71	20.45	
230	14.73	18.70	
235	15.62	19.47	
240	18.12	21.73	
245	21.15	24.57	
250	24.28	27.57	
255	27.51	30.73	
260	31.12	34.33	
265	35.47	38.69	
270	40.71	44.02	
275	46.71	50.15	
280	53.00	56.63	
285	58.93	62.76	
290	63.76	67.77	
295	66.80	70.93	
300	67.53	71.68	
305	65.61	69.69	
310	61.04	64.94	
315	54.10	57.77	
320	45.48	48.90	
325	36.37	39.61	
330	28.70	31.91	
335	25.19	28.45	
340	27.05	30.28	
345	31.94	35.14	
350	36.96	40.20	
355	40.47	43.77	

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 Mar 2009

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Federal Communications Commission