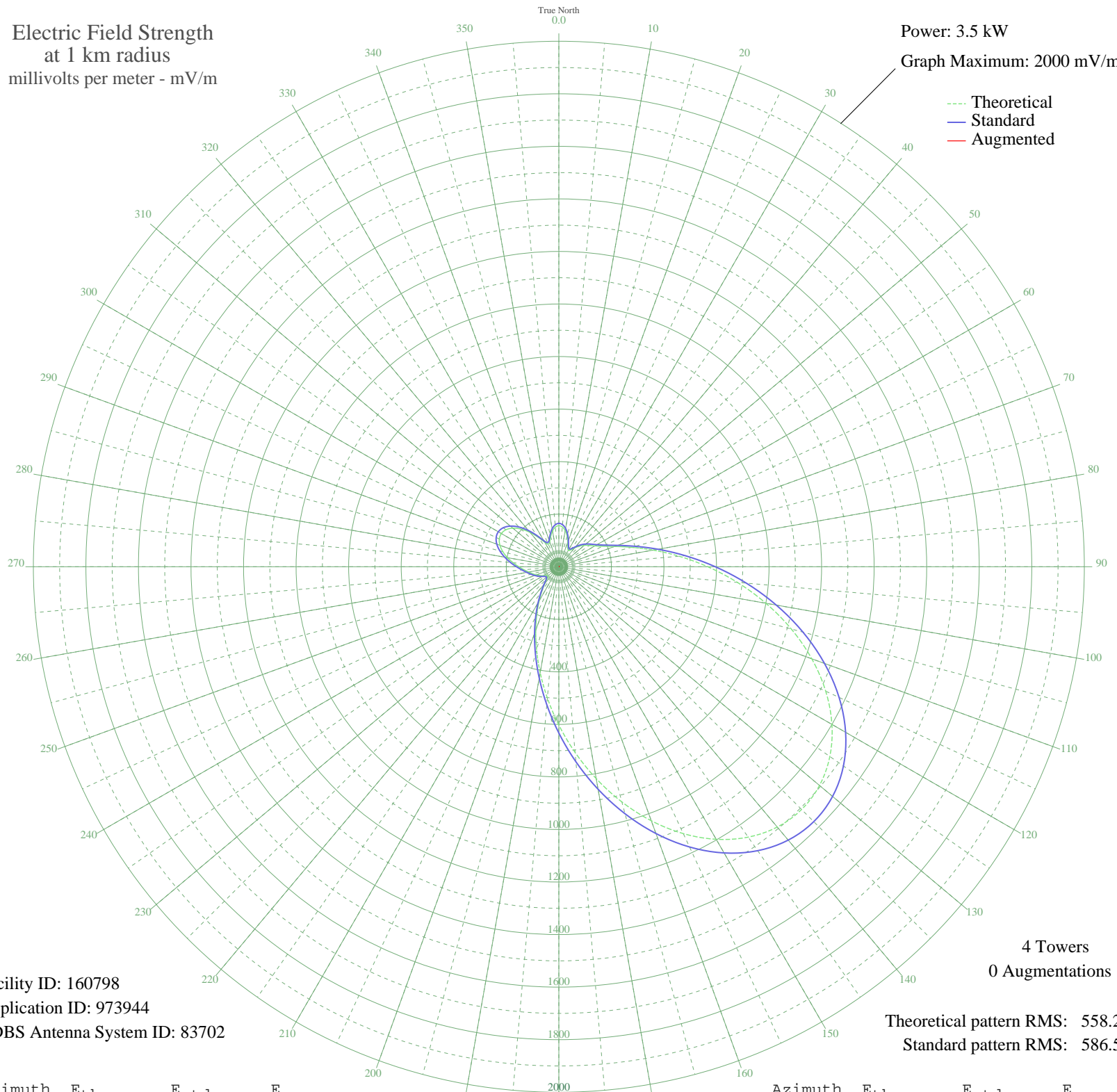


# NEW HALIFAX, VA BNP-20040130AEB 1600 kHz

Daytime

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

Power: 3.5 kW  
Graph Maximum: 2000 mV/m



Facility ID: 160798  
Application ID: 973944  
CDBS Antenna System ID: 83702

Theoretical pattern RMS: 558.20  
Standard pattern RMS: 586.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	156.19	165.17	
5	151.99	160.79	
10	139.58	147.86	
15	120.93	128.48	
20	99.41	106.22	
25	80.49	86.77	
30	71.83	77.94	
35	77.77	83.99	
40	93.17	99.78	
45	110.72	117.91	
50	126.78	134.56	
55	141.49	149.85	
60	158.52	167.60	
65	184.34	194.55	
70	225.55	237.64	
75	285.66	300.59	
80	364.48	383.21	
85	459.43	482.80	
90	566.73	595.39	
95	681.90	716.27	
100	800.04	840.27	
105	915.97	961.97	
110	1024.50	1075.90	
115	1120.69	1176.88	
120	1200.11	1260.26	
125	1259.12	1322.22	
130	1295.11	1360.00	
135	1306.59	1372.06	
140	1293.34	1358.15	
145	1256.35	1319.31	
150	1197.75	1257.79	
155	1120.65	1176.84	
160	1028.88	1080.51	
165	926.77	973.30	
170	818.79	859.96	
175	709.35	745.07	

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

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	602.44	632.86	
185	501.49	526.93	
190	409.17	430.08	
195	327.28	344.20	
200	256.71	270.26	
205	197.52	208.33	
210	149.13	157.81	
215	110.65	117.83	
220	81.56	87.86	
225	62.53	68.53	
230	55.13	61.13	
235	58.43	64.42	
240	67.78	73.83	
245	79.15	85.40	
250	90.84	97.38	
255	102.92	109.84	
260	116.45	123.84	
265	132.71	140.72	
270	152.32	161.14	
275	174.76	184.54	
280	198.30	209.14	
285	220.48	232.34	
290	238.56	251.25	
295	249.95	263.18	
300	252.65	266.01	
305	245.49	258.52	
310	228.37	240.59	
315	202.41	213.44	
320	170.18	179.76	
325	136.08	144.23	
330	107.39	114.45	
335	94.23	100.88	
340	101.20	108.06	
345	119.51	127.01	
350	138.29	146.52	
355	151.40	160.18	