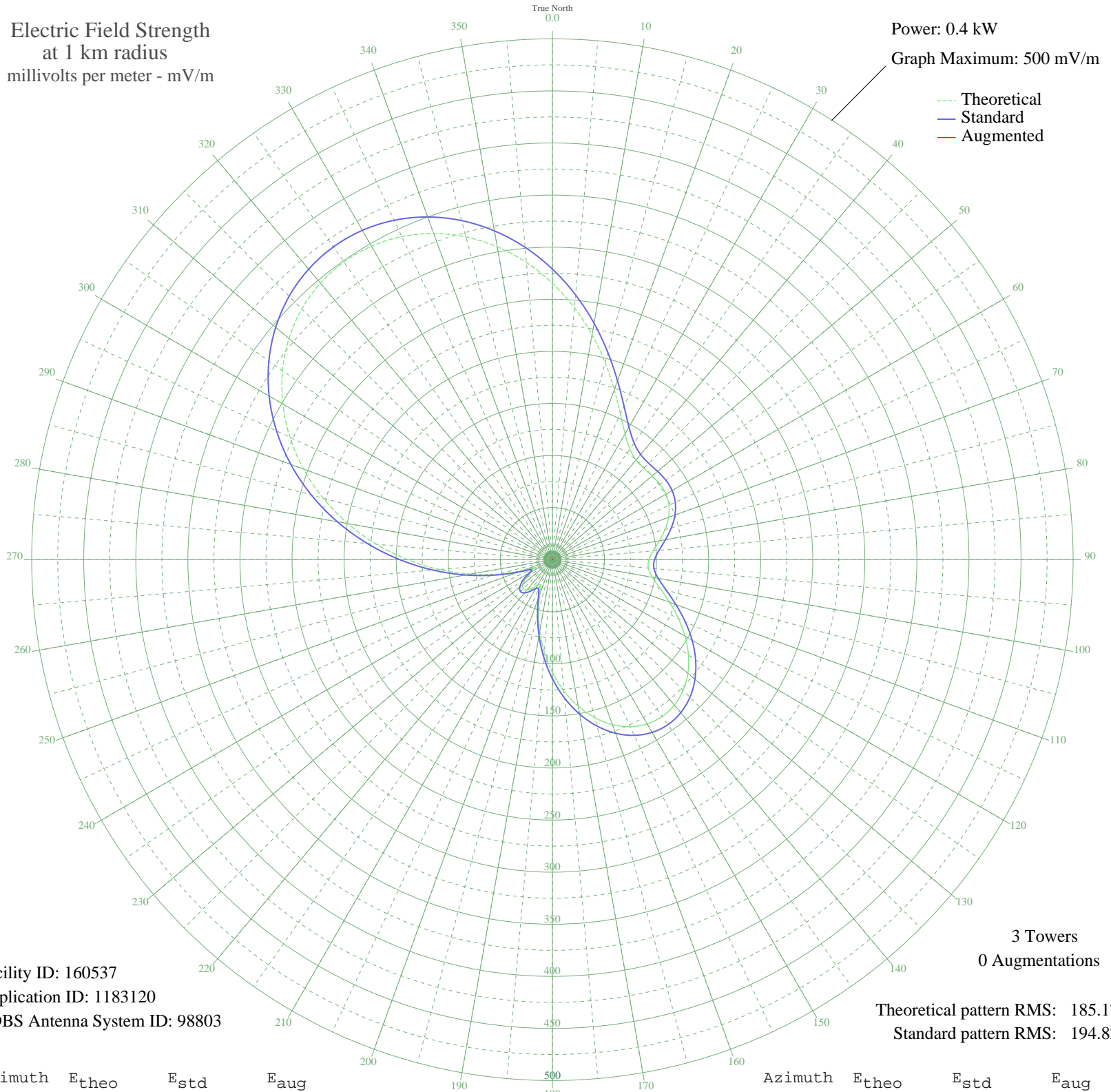


WZNH FITZWILLIAM DEPOT, NH BNP-20050118AJZ 870 kHz

Nighttime

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

Power: 0.4 kW  
Graph Maximum: 500 mV/m



Facility ID: 160537  
Application ID: 1183120  
CDBS Antenna System ID: 98803

Theoretical pattern RMS: 185.17  
Standard pattern RMS: 194.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	265.44	278.98	
5	242.73	255.16	
10	219.12	230.41	
15	195.68	205.83	
20	173.65	182.75	
25	154.48	162.67	
30	139.54	147.03	
35	129.73	136.77	
40	124.96	131.78	
45	124.03	130.81	
50	125.04	131.86	
55	126.12	132.99	
60	125.86	132.72	
65	123.45	130.20	
70	118.69	125.23	
75	111.99	118.23	
80	104.32	110.22	
85	97.22	102.82	
90	92.67	98.08	
95	92.52	97.92	
100	97.56	103.17	
105	107.15	113.17	
110	119.69	126.27	
115	133.48	140.69	
120	147.10	154.94	
125	159.46	167.88	
130	169.78	178.69	
135	177.50	186.78	
140	182.25	191.76	
145	183.78	193.36	
150	181.98	191.48	
155	176.85	186.10	
160	168.47	177.32	
165	157.05	165.36	
170	142.89	150.54	
175	126.42	133.31	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	108.20	114.27	
185	88.92	94.17	
190	69.50	74.00	
195	51.18	55.12	
200	35.99	39.73	
205	27.43	31.31	
210	27.92	31.79	
215	33.18	36.94	
220	37.89	41.64	
225	39.53	43.28	
230	37.12	40.87	
235	30.62	34.42	
240	21.48	25.69	
245	17.73	22.30	
250	30.81	34.60	
255	53.25	57.24	
260	79.86	84.75	
265	108.86	114.97	
270	139.09	146.56	
275	169.56	178.46	
280	199.41	209.74	
285	227.86	239.57	
290	254.27	267.27	
295	278.09	292.25	
300	298.88	314.06	
305	316.32	332.36	
310	330.17	346.90	
315	340.27	357.50	
320	346.54	364.07	
325	348.92	366.57	
330	347.44	365.02	
335	342.17	359.48	
340	333.20	350.07	
345	320.73	336.99	
350	305.01	320.50	
355	286.42	300.99	

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