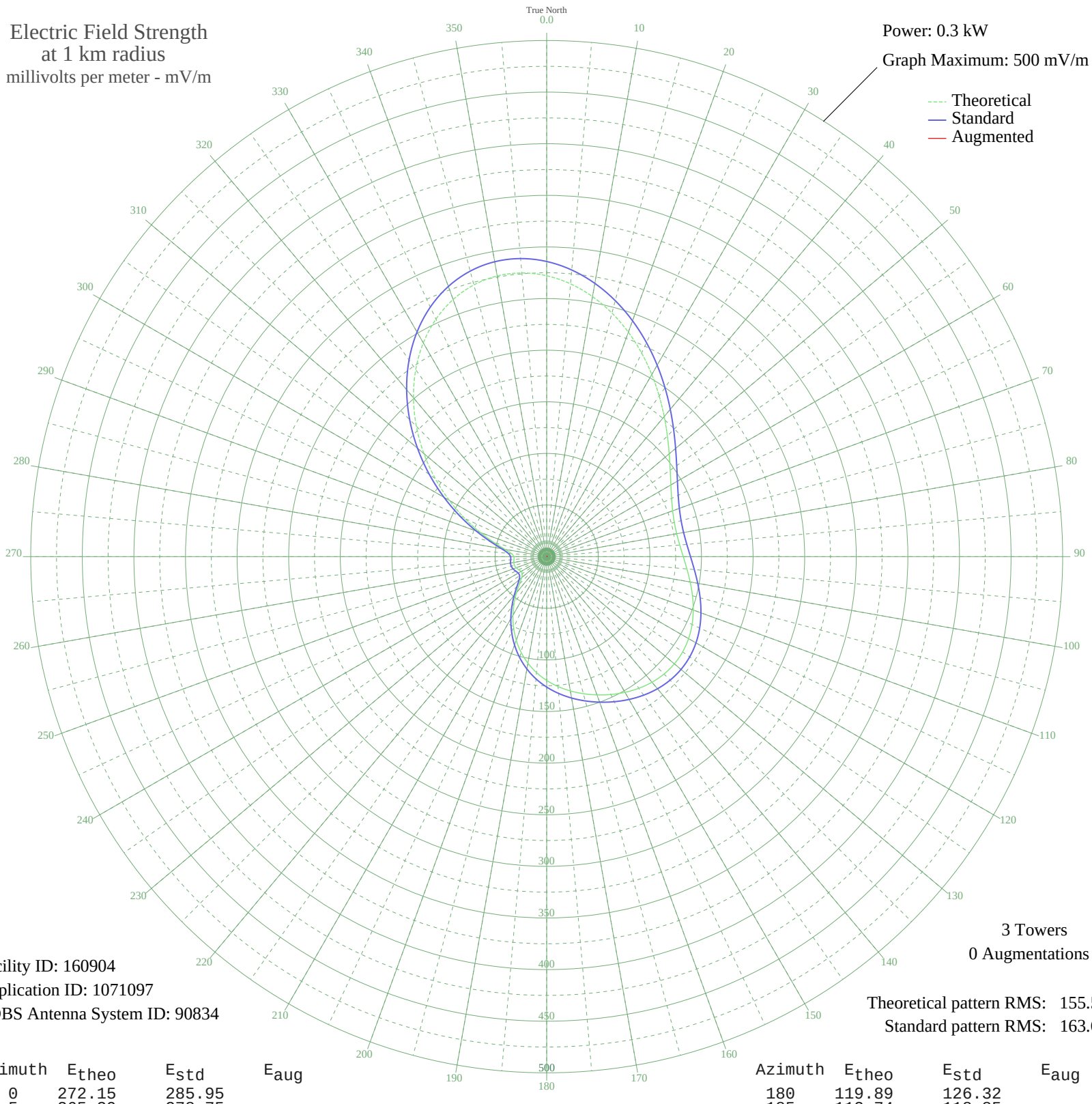
WVVT ESSEX JUNCTION, VT BNP-20041029AIS 670 kHz

Nighttime

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



Power: 0.3 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

Facility ID: 160904
Application ID: 1071097
CDBS Antenna System ID: 90834

3 Towers
0 Augmentations

Theoretical pattern RMS: 155.50
Standard pattern RMS: 163.60

Azimuth	E_{theo}	E_{std}	E_{aug}
0	272.15	285.95	
5	265.29	278.75	
10	255.82	268.82	
15	244.32	256.75	
20	231.40	243.19	
25	217.67	228.79	
30	203.72	214.16	
35	190.07	199.85	
40	177.18	186.33	
45	165.40	173.98	
50	154.99	163.08	
55	146.15	153.81	
60	138.98	146.30	
65	133.56	140.63	
70	129.92	136.81	
75	128.06	134.87	
80	127.93	134.74	
85	129.44	136.31	
90	132.36	139.38	
95	136.41	143.61	
100	141.19	148.62	
105	146.27	153.94	
110	151.17	159.08	
115	155.47	163.58	
120	158.78	167.05	
125	160.85	169.22	
130	161.52	169.92	
135	160.79	169.15	
140	158.77	167.04	
145	155.67	163.79	
150	151.77	159.70	
155	147.31	155.03	
160	142.50	149.99	
165	137.43	144.68	
170	132.06	139.06	
175	126.27	133.00	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	119.89	126.32	
185	112.74	118.85	
190	104.73	110.47	
195	95.84	101.17	
200	86.15	91.07	
205	75.89	80.37	
210	65.38	69.45	
215	55.06	58.76	
220	45.50	48.92	
225	37.43	40.68	
230	31.68	34.88	
235	28.83	32.04	
240	28.62	31.83	
245	29.91	33.12	
250	31.43	34.64	
255	32.35	35.56	
260	32.37	35.57	
265	31.80	35.01	
270	31.78	34.99	
275	34.27	37.48	
280	41.09	44.40	
285	52.73	56.35	
290	68.53	72.72	
295	87.56	92.54	
300	108.93	114.86	
305	131.79	138.78	
310	155.29	163.39	
315	178.58	187.80	
320	200.82	211.12	
325	221.23	232.53	
330	239.11	251.29	
335	253.88	266.79	
340	265.12	278.57	
345	272.55	286.37	
350	276.10	290.10	
355	275.88	289.87	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission