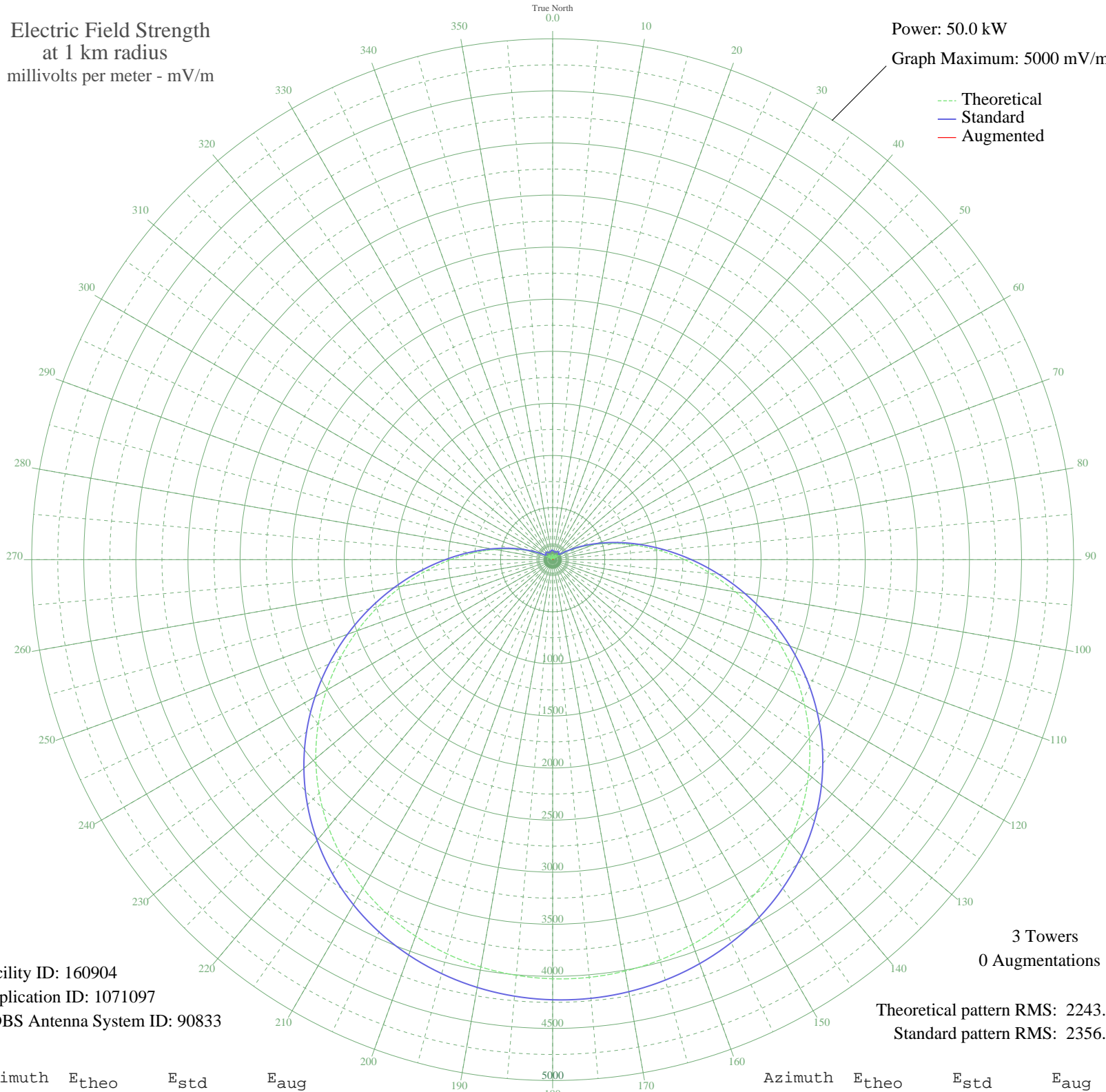


# WVVT ESSEX JUNCTION, VT BNP-20041029AIS 670 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 160904  
Application ID: 1071097  
CDBS Antenna System ID: 90833

3 Towers  
0 Augmentations

Theoretical pattern RMS: 2243.00  
Standard pattern RMS: 2356.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	49.59	90.83	
5	41.82	86.41	
10	27.86	79.96	
15	9.41	75.07	
20	12.06	75.49	
25	32.32	81.79	
30	48.62	90.25	
35	57.01	95.51	
40	53.36	93.15	
45	33.58	82.35	
50	8.39	74.94	
55	70.72	105.13	
60	160.70	184.41	
65	278.84	302.09	
70	425.69	453.13	
75	600.52	634.93	
80	801.30	844.65	
85	1024.74	1078.55	
90	1266.47	1331.87	
95	1521.27	1599.06	
100	1783.40	1874.05	
105	2046.97	2150.61	
110	2306.24	2422.70	
115	2555.95	2684.78	
120	2791.58	2932.10	
125	3009.51	3160.87	
130	3207.14	3368.32	
135	3382.82	3552.74	
140	3535.82	3713.36	
145	3666.20	3850.23	
150	3774.59	3964.02	
155	3862.00	4055.78	
160	3929.64	4126.79	
165	3978.71	4178.31	
170	4010.26	4211.43	
175	4025.03	4226.94	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	4023.39	4225.22	
185	4005.31	4206.24	
190	3970.33	4169.51	
195	3917.63	4114.19	
200	3846.14	4039.13	
205	3754.63	3943.06	
210	3641.91	3824.73	
215	3507.04	3683.15	
220	3349.48	3517.75	
225	3169.33	3328.63	
230	2967.48	3116.74	
235	2745.76	2884.01	
240	2507.00	2633.40	
245	2254.99	2368.91	
250	1994.43	2095.47	
255	1730.67	1818.73	
260	1469.53	1544.80	
265	1216.90	1279.91	
270	978.44	1030.05	
275	759.21	800.64	
280	563.40	596.23	
285	394.04	420.38	
290	252.92	275.79	
295	140.48	165.22	
300	55.99	94.84	
305	5.68	74.66	
310	39.01	84.95	
315	55.25	94.36	
320	56.16	94.95	
325	45.87	88.64	
330	28.45	80.19	
335	7.93	74.88	
340	13.33	75.72	
345	31.08	81.26	
350	43.91	87.54	
355	50.31	91.26	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission