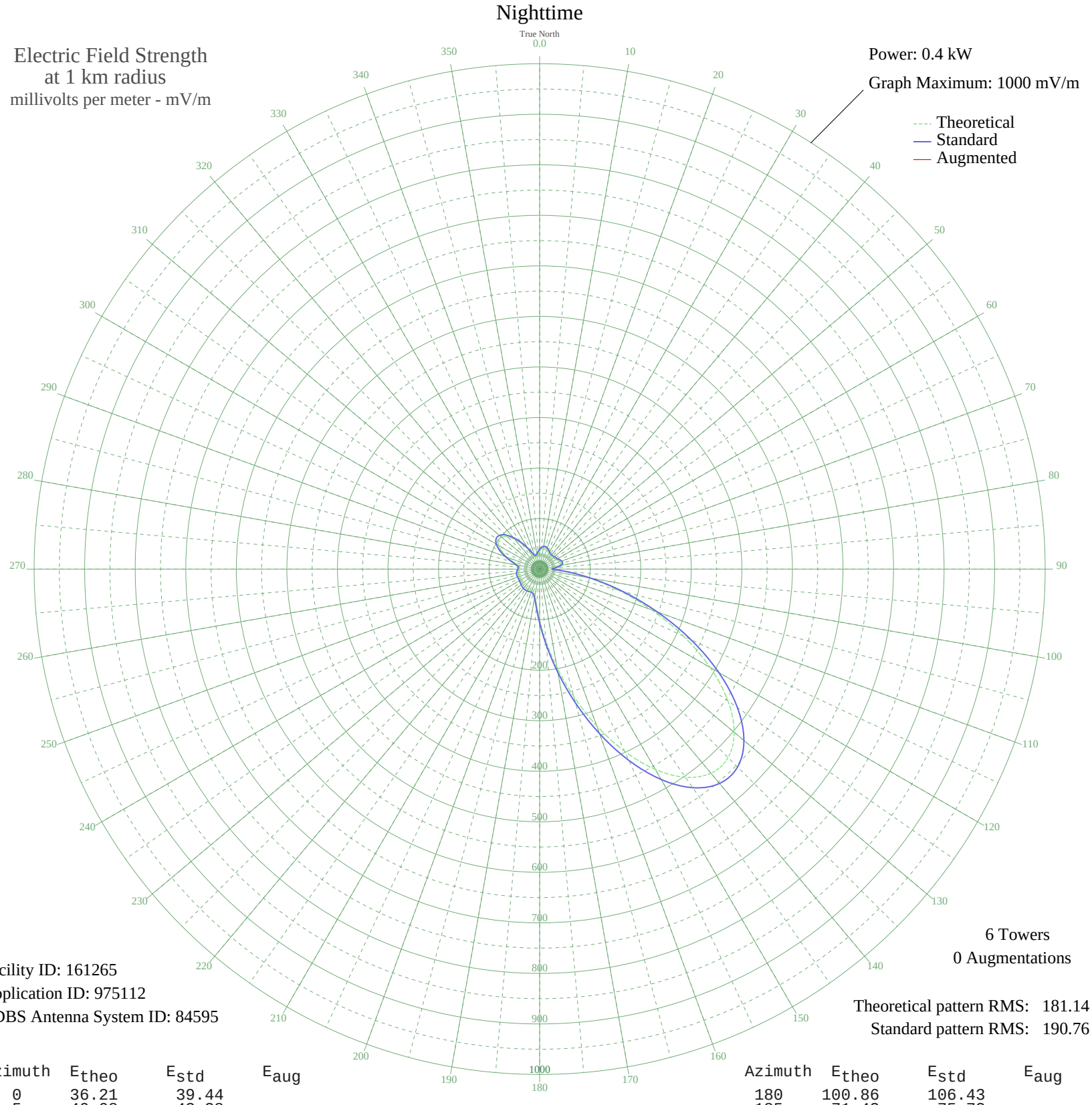
NEW CHARLOTTESVILLE, VA BNP-20040130BEW 1600 kHz

Nighttime

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



Power: 0.4 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

6 Towers
0 Augmentations

Facility ID: 161265
Application ID: 975112
CDBS Antenna System ID: 84595

Theoretical pattern RMS: 181.14
Standard pattern RMS: 190.76

Azimuth	E_{theo}	E_{std}	E_{aug}
0	36.21	39.44	
5	40.08	43.38	
10	42.41	45.75	
15	42.74	46.09	
20	41.23	44.54	
25	38.57	41.84	
30	35.83	39.06	
35	33.97	37.18	
40	33.36	36.57	
45	33.71	36.92	
50	34.54	37.76	
55	35.77	39.00	
60	37.72	40.97	
65	40.48	43.78	
70	43.20	46.56	
75	43.88	47.26	
80	39.88	43.17	
85	29.35	32.56	
90	20.74	24.18	
95	46.63	50.08	
100	96.61	101.98	
105	161.13	169.51	
110	235.55	247.55	
115	314.09	329.96	
120	389.67	409.29	
125	454.72	477.57	
130	502.30	527.51	
135	527.28	553.74	
140	527.23	553.69	
145	502.84	528.09	
150	457.74	480.74	
155	397.77	417.79	
160	329.92	346.58	
165	261.18	274.44	
170	197.50	207.64	
175	143.21	150.73	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	100.86	106.43	
185	71.43	75.73	
190	54.33	58.01	
195	46.98	50.44	
200	45.24	48.65	
205	45.65	49.06	
210	46.40	49.84	
215	46.77	50.21	
220	46.51	49.95	
225	45.69	49.11	
230	44.55	47.94	
235	43.46	46.82	
240	42.79	46.14	
245	42.73	46.08	
250	43.15	46.51	
255	43.58	46.94	
260	43.32	46.69	
265	41.95	45.28	
270	39.87	43.16	
275	39.18	42.46	
280	43.31	46.67	
285	53.66	57.31	
290	67.94	72.11	
295	82.45	87.21	
300	93.81	99.06	
305	99.53	105.04	
310	98.35	103.80	
315	90.40	95.50	
320	77.18	81.72	
325	61.21	65.12	
330	45.50	48.92	
335	33.07	36.28	
340	26.22	29.46	
345	25.09	28.36	
350	27.57	30.80	
355	31.69	34.89	

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.

02 Nov 2005

Prepared by Audio Division, Media Bureau
Federal Communications Commission