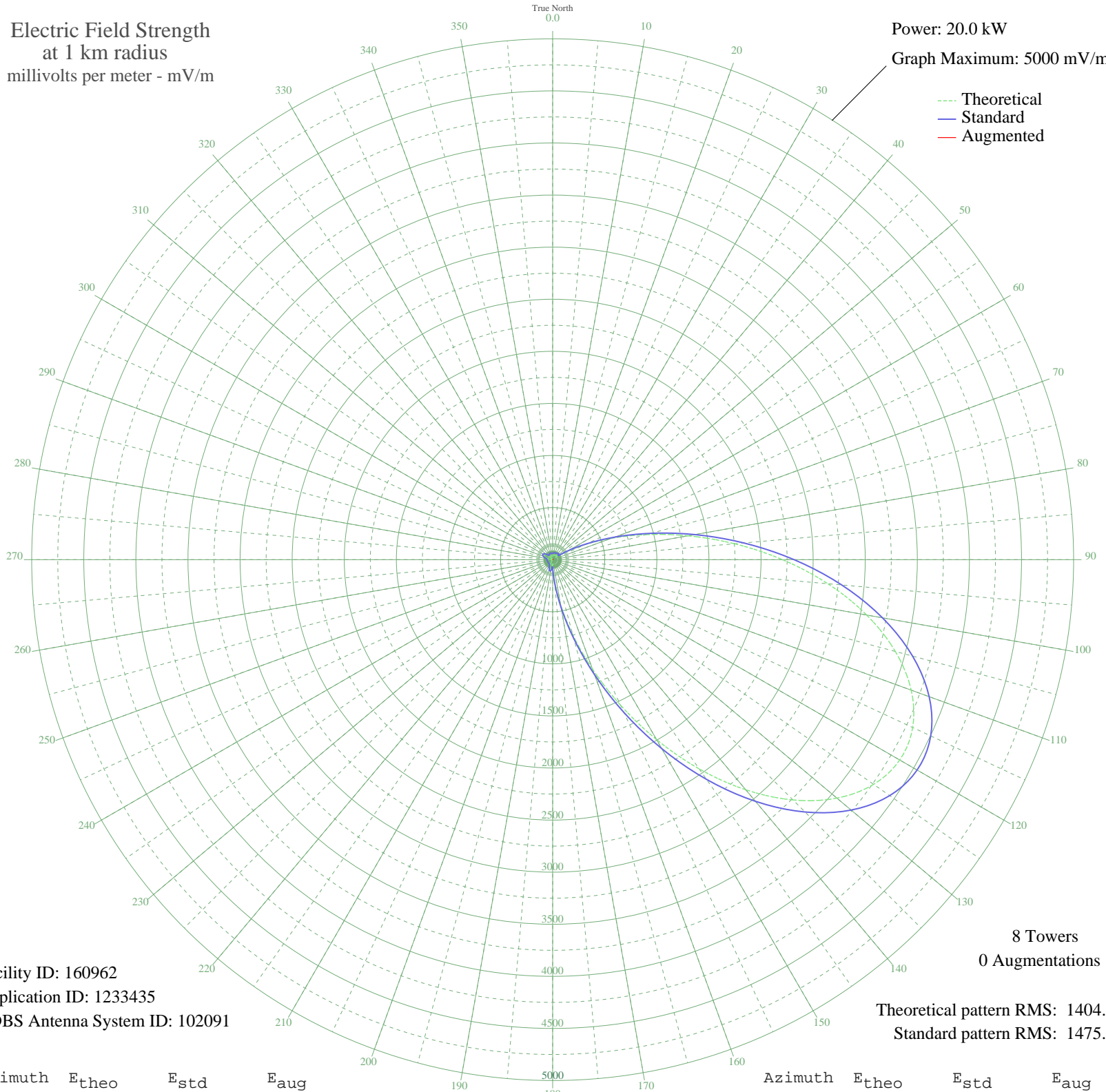


# NEW BON AIR, VA BNP-20070926ABH 1200 kHz

Nighttime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 160962  
Application ID: 1233435  
CDBS Antenna System ID: 102091

8 Towers  
0 Augmentations

Theoretical pattern RMS: 1404.73  
Standard pattern RMS: 1475.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	32.31	60.73	
5	36.43	63.24	
10	41.48	66.59	
15	46.08	69.85	
20	48.06	71.30	
25	46.46	70.12	
30	44.66	68.82	
35	49.54	72.40	
40	59.82	80.51	
45	63.03	83.17	
50	46.12	69.87	
55	46.20	69.93	
60	155.16	170.53	
65	340.19	360.74	
70	599.04	631.01	
75	928.75	976.49	
80	1319.17	1386.05	
85	1752.82	1841.15	
90	2206.17	2317.03	
95	2651.76	2784.80	
100	3060.70	3214.13	
105	3405.42	3576.04	
110	3662.06	3845.49	
115	3812.60	4003.55	
120	3846.30	4038.93	
125	3760.60	3948.95	
130	3561.30	3739.71	
135	3262.14	3425.62	
140	2883.67	3028.28	
145	2451.54	2574.61	
150	1994.28	2094.60	
155	1540.72	1618.54	
160	1117.32	1174.27	
165	745.76	784.67	
170	441.14	465.93	
175	211.38	227.59	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	62.66	82.86	
185	59.00	79.84	
190	93.20	110.07	
195	95.50	112.22	
200	77.22	95.45	
205	51.48	73.88	
210	28.50	58.59	
215	14.46	52.61	
220	8.75	51.20	
225	4.48	50.59	
230	4.38	50.58	
235	8.96	51.24	
240	10.37	51.53	
245	7.01	50.90	
250	1.48	50.39	
255	9.14	51.28	
260	15.22	52.84	
265	15.70	53.00	
270	10.24	51.50	
275	14.39	52.58	
280	34.45	62.01	
285	57.64	78.74	
290	77.79	95.96	
295	90.06	107.14	
300	91.30	108.30	
305	80.74	98.61	
310	60.12	80.76	
315	33.32	61.33	
320	5.69	50.72	
325	18.99	54.17	
330	35.58	62.71	
335	43.15	67.75	
340	42.66	67.41	
345	37.38	63.86	
350	31.98	60.54	
355	30.25	59.54	

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.

18 Apr 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission