

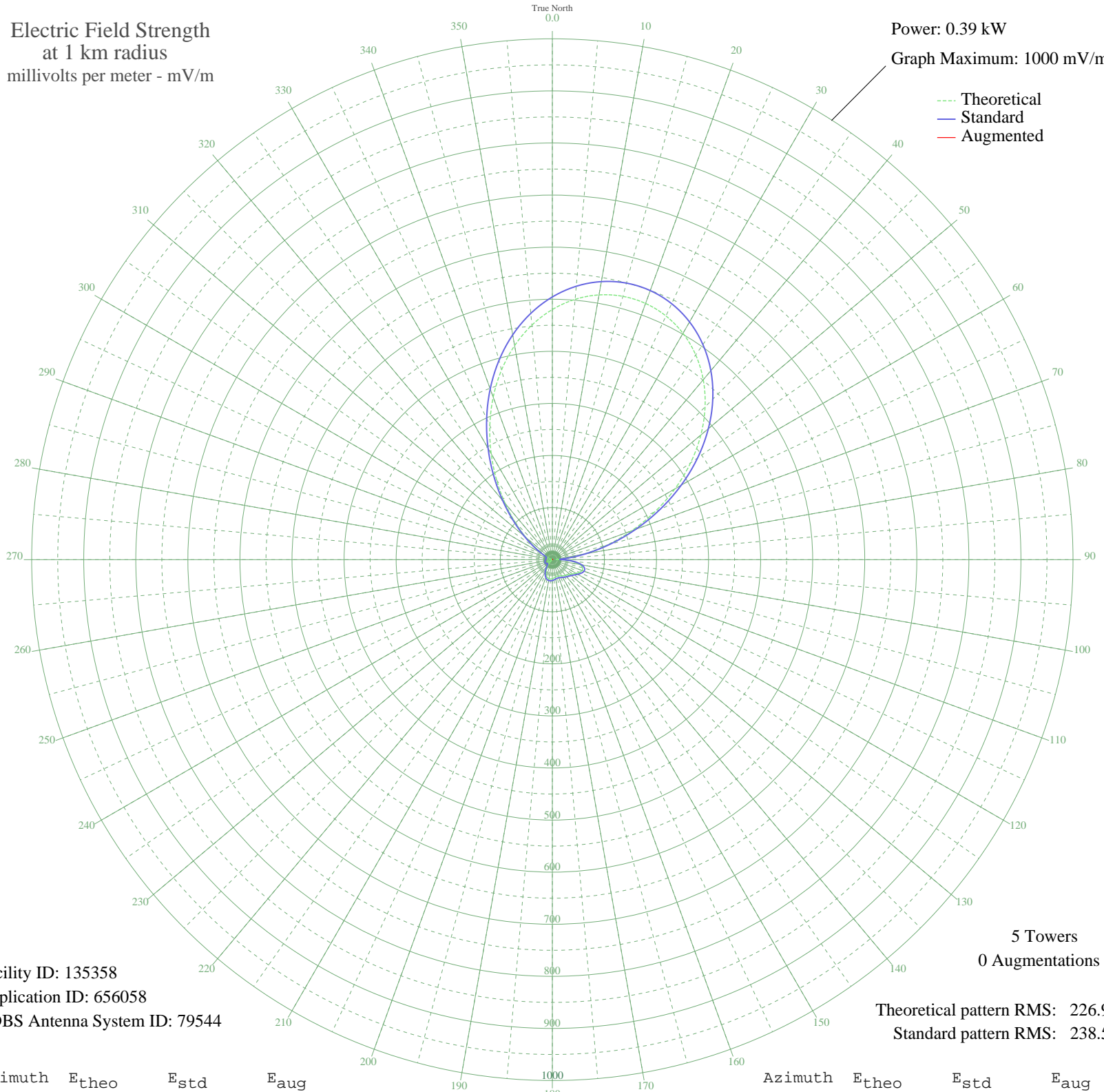
**WVOA DEWITT, NY BMP-20030804AAE 720 kHz**

**Nighttime**

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

Power: 0.39 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 135358  
Application ID: 656058  
CDBS Antenna System ID: 79544

5 Towers  
0 Augmentations

Theoretical pattern RMS: 226.96  
Standard pattern RMS: 238.58

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	480.26	504.40	
5	501.72	526.94	
10	516.15	542.08	
15	523.43	549.73	
20	523.51	549.80	
25	516.33	542.27	
30	501.84	527.06	
35	480.02	504.16	
40	450.95	473.64	
45	414.87	435.77	
50	372.32	391.10	
55	324.19	340.59	
60	271.83	285.65	
65	217.04	228.18	
70	162.00	170.48	
75	109.14	115.17	
80	60.96	65.03	
85	20.08	24.01	
90	15.47	19.89	
95	38.64	42.17	
100	53.41	57.24	
105	60.21	64.26	
110	60.79	64.86	
115	57.40	61.35	
120	52.34	56.15	
125	47.49	51.17	
130	43.80	47.41	
135	41.25	44.81	
140	39.29	42.82	
145	37.48	40.99	
150	35.72	39.22	
155	34.24	37.74	
160	33.38	36.88	
165	33.33	36.83	
170	34.06	37.56	
175	35.27	38.77	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	36.51	40.01	
185	37.28	40.79	
190	37.14	40.66	
195	35.79	39.30	
200	33.05	36.56	
205	28.93	32.48	
210	23.62	27.33	
215	17.47	21.64	
220	10.96	16.26	
225	4.71	12.50	
230	1.56	11.60	
235	5.52	12.86	
240	8.35	14.45	
245	9.67	15.32	
250	9.68	15.34	
255	8.86	14.78	
260	7.75	14.07	
265	6.76	13.50	
270	6.00	13.09	
275	5.38	12.80	
280	4.72	12.50	
285	3.39	12.02	
290	1.11	11.54	
295	7.51	13.93	
300	20.14	24.06	
305	39.55	43.09	
310	66.37	70.63	
315	100.49	106.14	
320	141.03	148.53	
325	186.48	196.14	
330	234.88	246.89	
335	284.10	298.53	
340	332.08	348.87	
345	376.97	395.99	
350	417.30	438.32	
355	451.97	474.71	

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