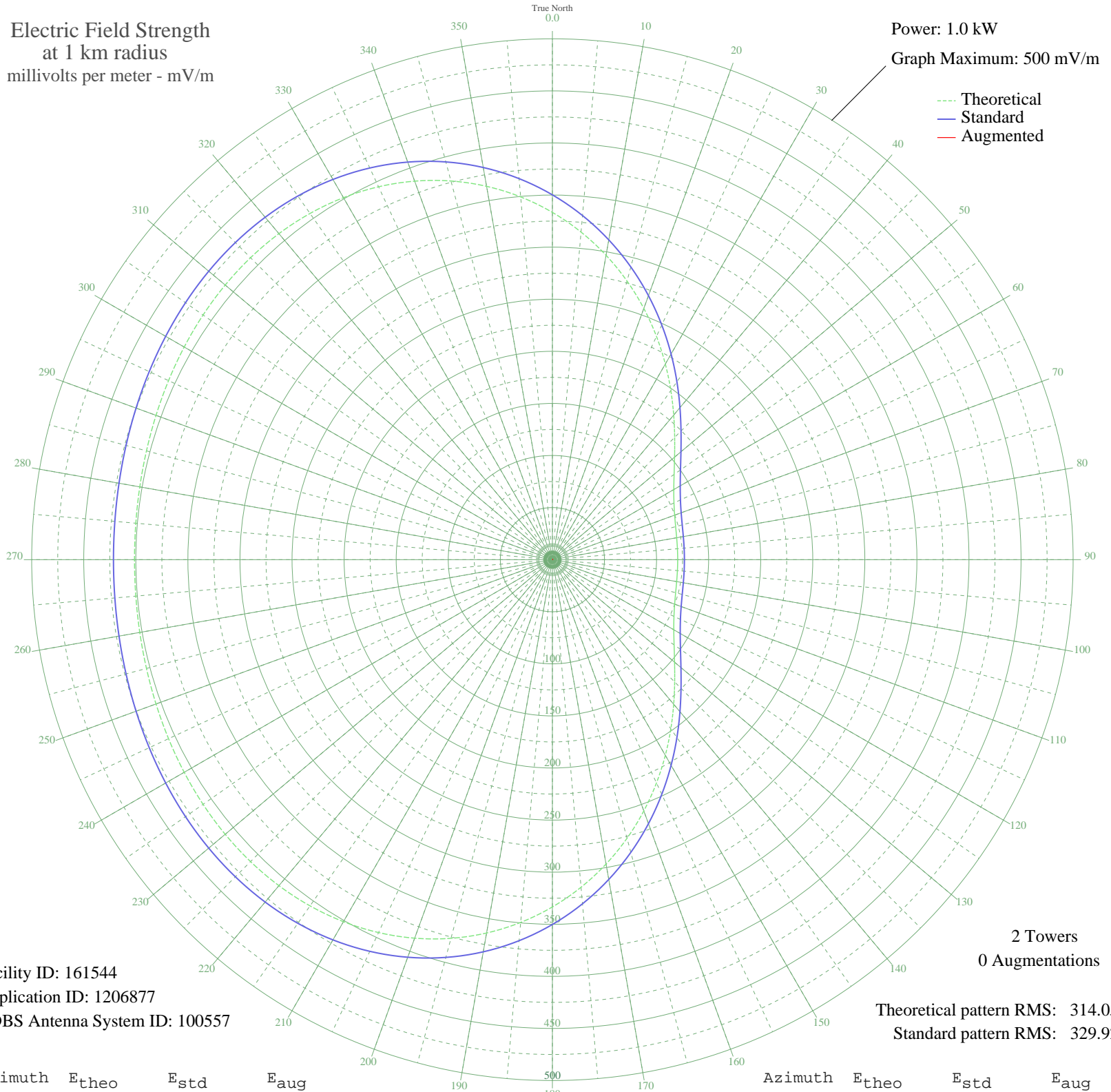


# NEW MIDDLETOWN, NY BNP-20070926ARD 1400 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 161544  
Application ID: 1206877  
CDBS Antenna System ID: 100557

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 314.05  
Standard pattern RMS: 329.92

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	333.39	350.21	
5	315.66	331.61	
10	296.70	311.71	
15	276.89	290.92	
20	256.66	269.70	
25	236.49	248.53	
30	216.86	227.94	
35	198.27	208.45	
40	181.19	190.54	
45	166.04	174.65	
50	153.13	161.13	
55	142.65	150.15	
60	134.60	141.72	
65	128.80	135.65	
70	124.91	131.58	
75	122.51	129.06	
80	121.15	127.65	
85	120.50	126.96	
90	120.31	126.76	
95	120.50	126.96	
100	121.15	127.65	
105	122.51	129.06	
110	124.91	131.58	
115	128.80	135.65	
120	134.60	141.72	
125	142.65	150.15	
130	153.13	161.13	
135	166.04	174.65	
140	181.19	190.54	
145	198.27	208.45	
150	216.86	227.94	
155	236.49	248.53	
160	256.66	269.70	
165	276.89	290.92	
170	296.70	311.71	
175	315.66	331.61	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	333.39	350.21	
185	349.56	367.19	
190	363.93	382.27	
195	376.33	395.29	
200	386.68	406.15	
205	394.97	414.85	
210	401.28	421.47	
215	405.73	426.15	
220	408.53	429.08	
225	409.91	430.53	
230	410.13	430.77	
235	409.49	430.09	
240	408.25	428.79	
245	406.68	427.15	
250	405.04	425.42	
255	403.53	423.83	
260	402.32	422.57	
265	401.54	421.75	
270	401.28	421.47	
275	401.54	421.75	
280	402.32	422.57	
285	403.53	423.83	
290	405.04	425.42	
295	406.68	427.15	
300	408.25	428.79	
305	409.49	430.09	
310	410.13	430.77	
315	409.91	430.53	
320	408.53	429.08	
325	405.73	426.15	
330	401.28	421.47	
335	394.97	414.85	
340	386.68	406.15	
345	376.33	395.29	
350	363.93	382.27	
355	349.56	367.19	

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.

04 May 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission