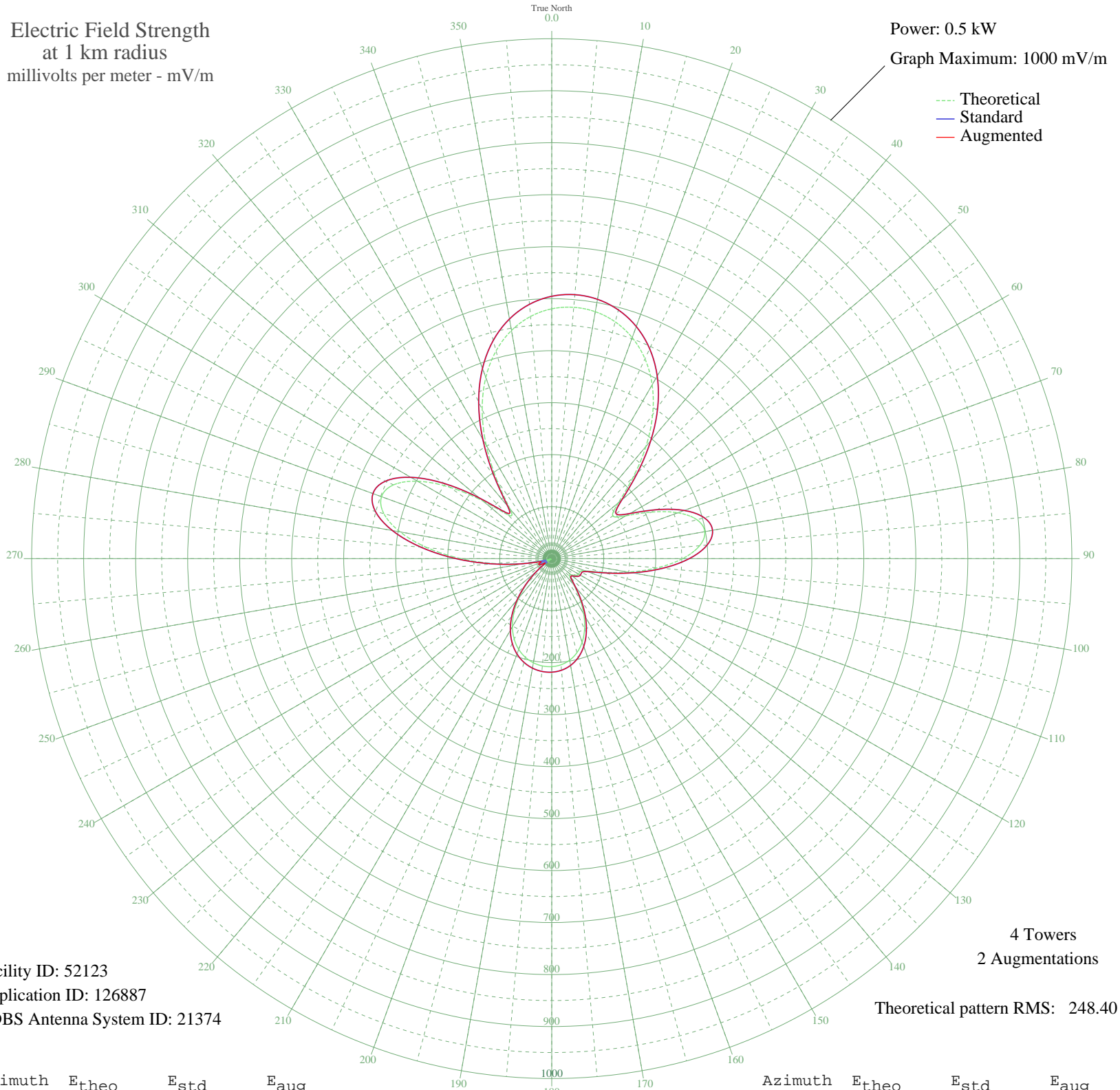


# WACK NEWARK, NY BL-19890331AF 1420 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 1000 mV/m



Facility ID: 52123  
Application ID: 126887  
CDBS Antenna System ID: 21374

4 Towers  
2 Augmentations

Theoretical pattern RMS: 248.40

Azimuth	Etheo	Estd	Eaug
0	480.51	504.65	504.65
5	485.28	509.65	509.65
10	482.30	506.53	506.53
15	471.52	495.20	495.20
20	452.40	475.13	475.13
25	424.17	445.50	445.50
30	386.15	405.60	405.60
35	338.26	355.32	355.32
40	281.82	296.10	296.10
45	221.19	232.49	232.49
50	167.37	176.06	176.06
55	143.21	150.73	150.73
60	165.01	173.58	173.58
65	211.87	222.71	222.71
70	257.88	270.98	270.98
75	289.06	303.69	303.69
80	298.81	313.93	313.93
85	285.49	299.95	299.95
90	251.64	264.44	264.44
95	203.36	213.79	213.79
100	149.41	157.23	157.23
105	100.50	106.04	106.04
110	68.64	72.83	72.83
115	59.52	63.37	63.37
120	59.73	63.59	63.59
125	55.86	59.58	59.58
130	48.19	51.68	51.68
135	48.64	52.14	52.14
140	66.42	70.52	70.52
145	94.04	99.30	99.30
150	123.14	129.72	129.72
155	149.42	157.24	157.24
160	170.96	179.82	179.82
165	187.20	196.84	196.84
170	198.33	208.51	208.51
175	204.96	215.47	215.47

Azimuth	Etheo	Estd	Eaug
180	207.73	218.37	218.37
185	207.14	217.75	217.75
190	203.40	213.82	213.82
195	196.38	206.46	206.46
200	185.69	195.25	195.25
205	170.79	179.64	179.64
210	151.21	159.12	159.12
215	126.83	133.58	133.58
220	98.13	103.57	103.57
225	66.57	70.69	70.69
230	34.67	37.89	38.40
235	6.04	12.26	16.16
240	14.96	18.90	20.77
245	23.79	27.10	27.30
250	16.63	20.38	25.06
255	8.74	13.95	22.61
260	51.80	55.39	56.40
265	109.27	115.22	115.22
270	174.88	183.92	183.92
275	240.22	252.45	252.45
280	296.13	311.11	311.11
285	334.19	351.06	351.06
290	348.31	365.88	365.88
295	335.76	352.71	352.71
300	297.76	312.83	312.83
305	239.68	251.88	251.88
310	172.27	181.19	181.19
315	119.36	125.77	125.77
320	125.17	131.85	131.85
325	183.05	192.49	192.49
330	252.22	265.04	265.04
335	316.45	332.44	332.44
340	370.72	389.40	389.40
345	413.70	434.52	434.52
350	445.68	468.08	468.08
355	467.59	491.09	491.09

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission