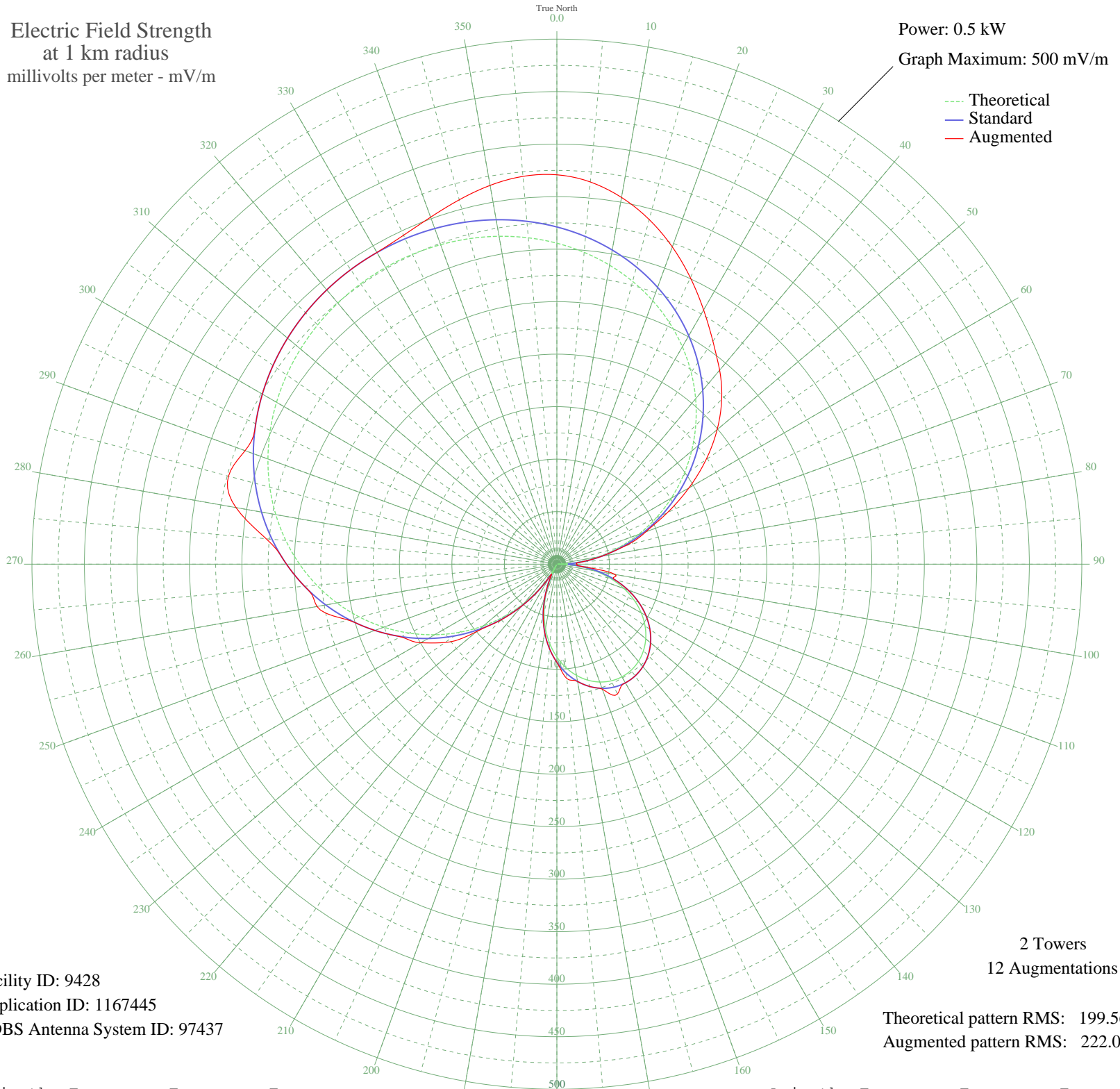


# WYBY CORTLAND, NY BML-20070105AEY 920 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 9428  
Application ID: 1167445  
CDBS Antenna System ID: 97437

2 Towers  
12 Augmentations

Theoretical pattern RMS: 199.56  
Augmented pattern RMS: 222.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	305.67	321.13	370.80
5	298.08	313.16	365.37
10	289.13	303.77	354.63
15	278.77	292.90	339.78
20	266.98	280.52	321.50
25	253.73	266.62	300.93
30	239.05	251.22	279.56
35	222.98	234.36	259.13
40	205.60	216.14	241.20
45	187.04	196.68	222.00
50	167.45	176.13	199.29
55	147.00	154.71	173.45
60	125.92	132.63	145.28
65	104.42	110.14	116.17
70	82.76	87.53	90.26
75	61.18	65.09	67.58
80	39.94	43.23	43.23
85	19.28	22.80	22.80
90	0.57	10.52	19.31
95	19.41	22.93	22.93
100	37.05	40.29	56.33
105	53.33	56.97	56.97
110	68.11	72.28	72.28
115	81.29	86.00	86.00
120	92.79	97.99	97.99
125	102.53	108.17	108.17
130	110.49	116.48	116.48
135	116.61	122.89	122.89
140	120.89	127.37	127.37
145	123.32	129.91	129.91
150	123.88	130.49	130.49
155	122.57	129.13	136.47
160	119.40	125.81	126.63
165	114.38	120.56	120.56
170	107.52	113.39	113.39
175	98.85	104.32	109.35

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	88.40	93.41	93.41
185	76.22	80.71	80.71
190	62.38	66.34	66.34
195	46.99	50.44	50.44
200	30.15	33.35	33.35
205	12.01	16.41	16.41
210	7.26	12.97	12.97
215	27.46	30.68	30.68
220	48.38	51.87	51.87
225	69.78	74.02	74.81
230	91.43	96.57	100.04
235	113.05	119.17	129.99
240	134.41	141.53	149.67
245	155.27	163.37	163.86
250	175.40	184.47	184.47
255	194.60	204.60	205.59
260	212.70	223.58	232.01
265	229.57	241.27	241.27
270	245.09	257.56	257.56
275	259.20	272.36	277.95
280	271.87	285.66	310.38
285	283.09	297.43	323.82
290	292.88	307.70	316.04
295	301.28	316.51	316.51
300	308.35	323.93	323.93
305	314.15	330.02	330.02
310	318.75	334.85	334.85
315	322.21	338.49	338.49
320	324.59	340.98	340.98
325	325.92	342.37	342.37
330	326.22	342.69	342.80
335	325.51	341.95	345.60
340	323.77	340.12	351.64
345	320.96	337.17	359.24
350	317.05	333.07	366.29
355	311.98	327.74	370.72