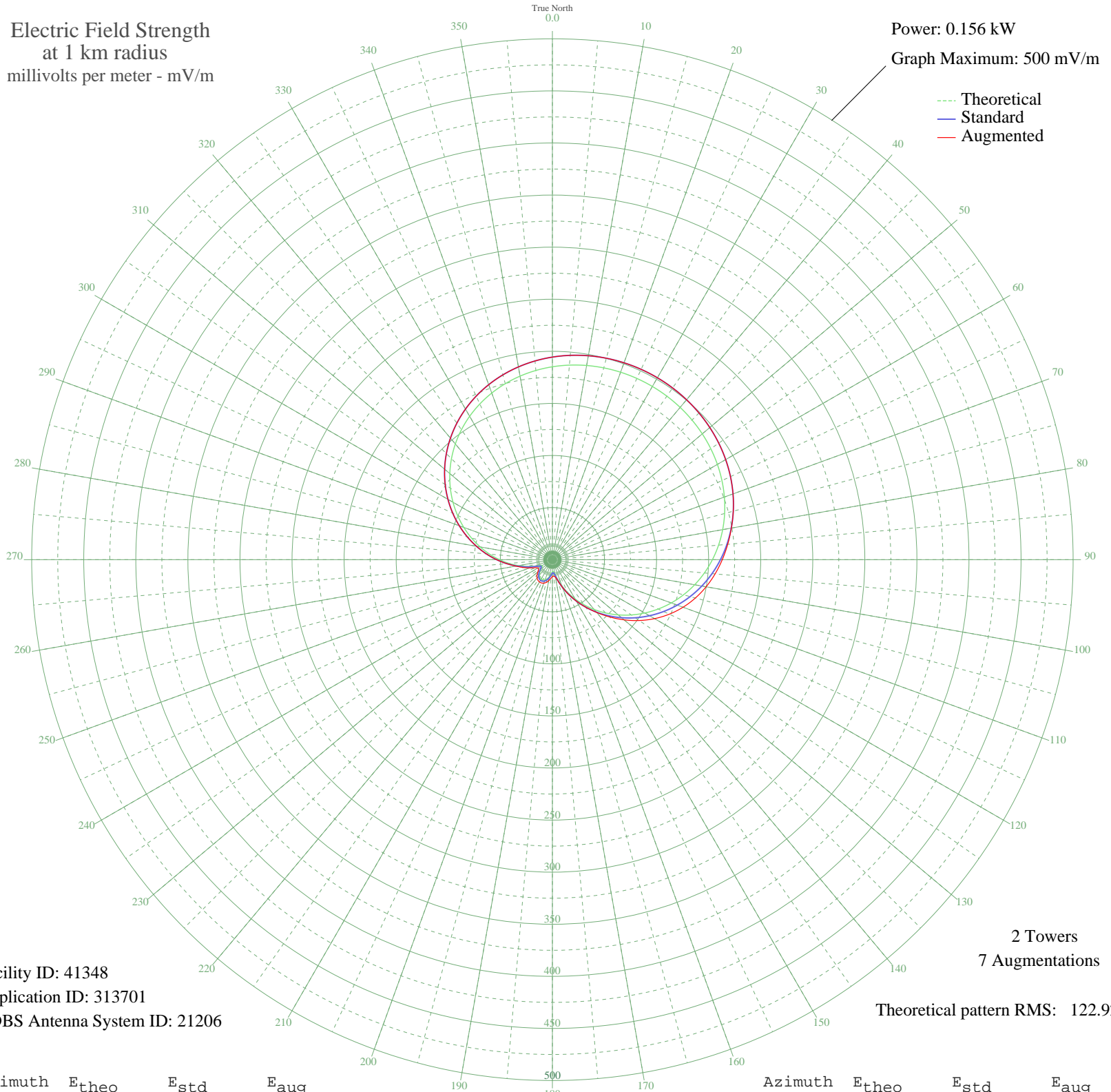


# WMSX BROCKTON, MA BL-- 1410 kHz

Nighttime

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

Power: 0.156 kW  
Graph Maximum: 500 mV/m



Facility ID: 41348  
Application ID: 313701  
CDBS Antenna System ID: 21206

2 Towers  
7 Augmentations  
Theoretical pattern RMS: 122.92

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	185.16	194.46	194.46
5	187.47	196.88	196.88
10	189.27	198.78	198.78
15	190.60	200.18	200.18
20	191.49	201.11	201.11
25	191.95	201.59	201.59
30	191.99	201.63	201.63
35	191.62	201.24	201.24
40	190.82	200.40	200.40
45	189.57	199.10	199.10
50	187.87	197.30	197.30
55	185.66	194.99	194.99
60	182.93	192.12	192.12
65	179.63	188.66	188.66
70	175.73	184.56	184.56
75	171.20	179.81	179.81
80	166.02	174.37	174.52
85	160.17	168.23	168.98
90	153.66	161.40	163.13
95	146.49	153.87	156.82
100	138.70	145.70	149.88
105	130.33	136.91	142.16
110	121.44	127.58	133.50
115	112.12	117.79	123.85
120	102.44	107.64	113.24
125	92.52	97.23	101.82
130	82.46	86.68	89.86
135	72.40	76.13	77.77
140	62.45	65.71	66.10
145	52.76	55.55	55.55
150	43.45	45.81	45.81
155	34.70	36.67	36.67
160	26.68	28.32	28.32
165	19.70	21.09	21.37
170	14.28	15.56	17.29
175	11.40	12.67	15.97

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.

14 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	11.64	12.90	16.30
185	13.83	15.10	18.15
190	16.47	17.79	20.49
195	18.80	20.17	22.57
200	20.48	21.90	23.98
205	21.39	22.84	24.69
210	21.48	22.93	24.75
215	20.73	22.16	24.18
220	19.19	20.57	22.91
225	16.98	18.30	20.89
230	14.36	15.64	18.19
235	11.98	13.24	16.39
240	11.21	12.48	15.97
245	13.47	14.74	18.30
250	18.46	19.82	23.08
255	25.19	26.77	29.00
260	33.03	34.93	35.58
265	41.65	43.93	43.93
270	50.86	53.56	53.56
275	60.49	63.65	63.65
280	70.39	74.03	74.03
285	80.45	84.57	84.57
290	90.51	95.13	95.13
295	100.47	105.57	105.57
300	110.20	115.79	115.79
305	119.61	125.66	125.66
310	128.59	135.09	135.09
315	137.07	143.99	143.99
320	144.98	152.29	152.29
325	152.28	159.95	159.95
330	158.92	166.92	166.92
335	164.90	173.20	173.20
340	170.22	178.78	178.78
345	174.88	183.67	183.67
350	178.90	187.89	187.89
355	182.32	191.48	191.48