

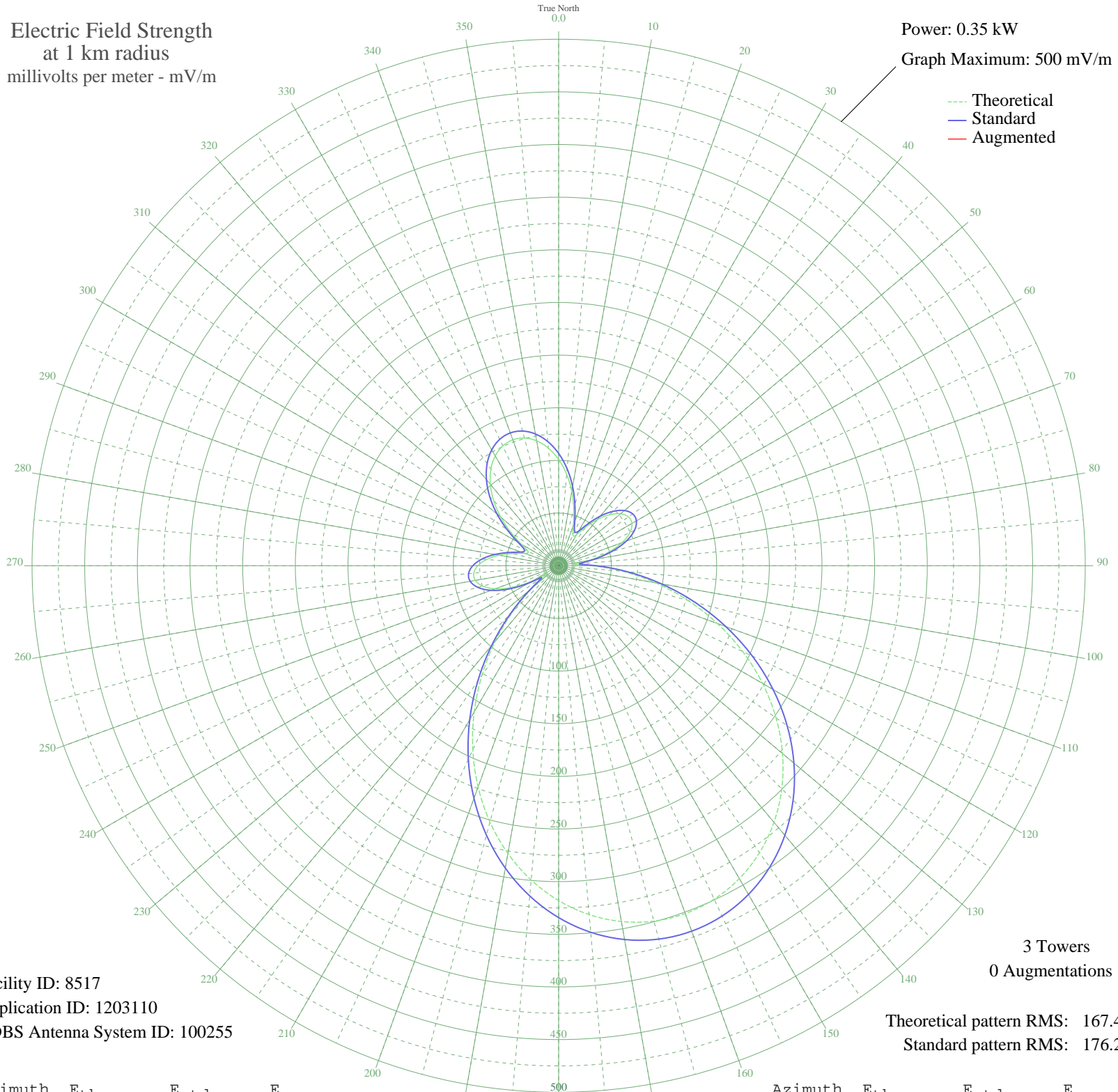
WFNW NAUGATUCK, CT BP-20070403ABW 1380 kHz

Nighttime

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

Power: 0.35 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 8517
Application ID: 1203110
CDBS Antenna System ID: 100255

3 Towers
0 Augmentations

Theoretical pattern RMS: 167.40
Standard pattern RMS: 176.20

Azimuth	E _{theo}	E _{std}	E _{aug}
0	100.88	106.65	
5	87.18	92.38	
10	71.71	76.32	
15	55.56	59.65	
20	40.82	44.63	
25	31.95	35.78	
30	34.21	38.01	
35	44.75	48.61	
40	57.33	61.46	
45	68.55	73.05	
50	76.74	81.53	
55	80.88	85.83	
60	80.32	85.25	
65	74.70	79.42	
70	63.96	68.30	
75	48.39	52.30	
80	29.09	32.98	
85	14.28	19.48	
90	31.72	35.55	
95	61.23	65.48	
100	93.56	99.02	
105	126.97	133.90	
110	160.37	168.85	
115	192.84	202.86	
120	223.60	235.11	
125	251.98	264.87	
130	277.45	291.59	
135	299.57	314.80	
140	318.03	334.16	
145	332.59	349.44	
150	343.08	360.45	
155	349.42	367.10	
160	351.53	369.32	
165	349.42	367.10	
170	343.08	360.45	
175	332.59	349.44	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	318.03	334.16	
185	299.57	314.80	
190	277.45	291.59	
195	251.98	264.87	
200	223.60	235.11	
205	192.84	202.86	
210	160.37	168.85	
215	126.97	133.90	
220	93.56	99.02	
225	61.23	65.48	
230	31.72	35.55	
235	14.28	19.48	
240	29.09	32.98	
245	48.39	52.30	
250	63.96	68.30	
255	74.70	79.42	
260	80.32	85.25	
265	80.88	85.83	
270	76.74	81.53	
275	68.55	73.05	
280	57.33	61.46	
285	44.75	48.61	
290	34.21	38.01	
295	31.95	35.78	
300	40.82	44.63	
305	55.56	59.65	
310	71.71	76.32	
315	87.18	92.38	
320	100.88	106.65	
325	112.12	118.38	
330	120.44	127.07	
335	125.54	132.40	
340	127.26	134.20	
345	125.54	132.40	
350	120.44	127.07	
355	112.12	118.38	

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