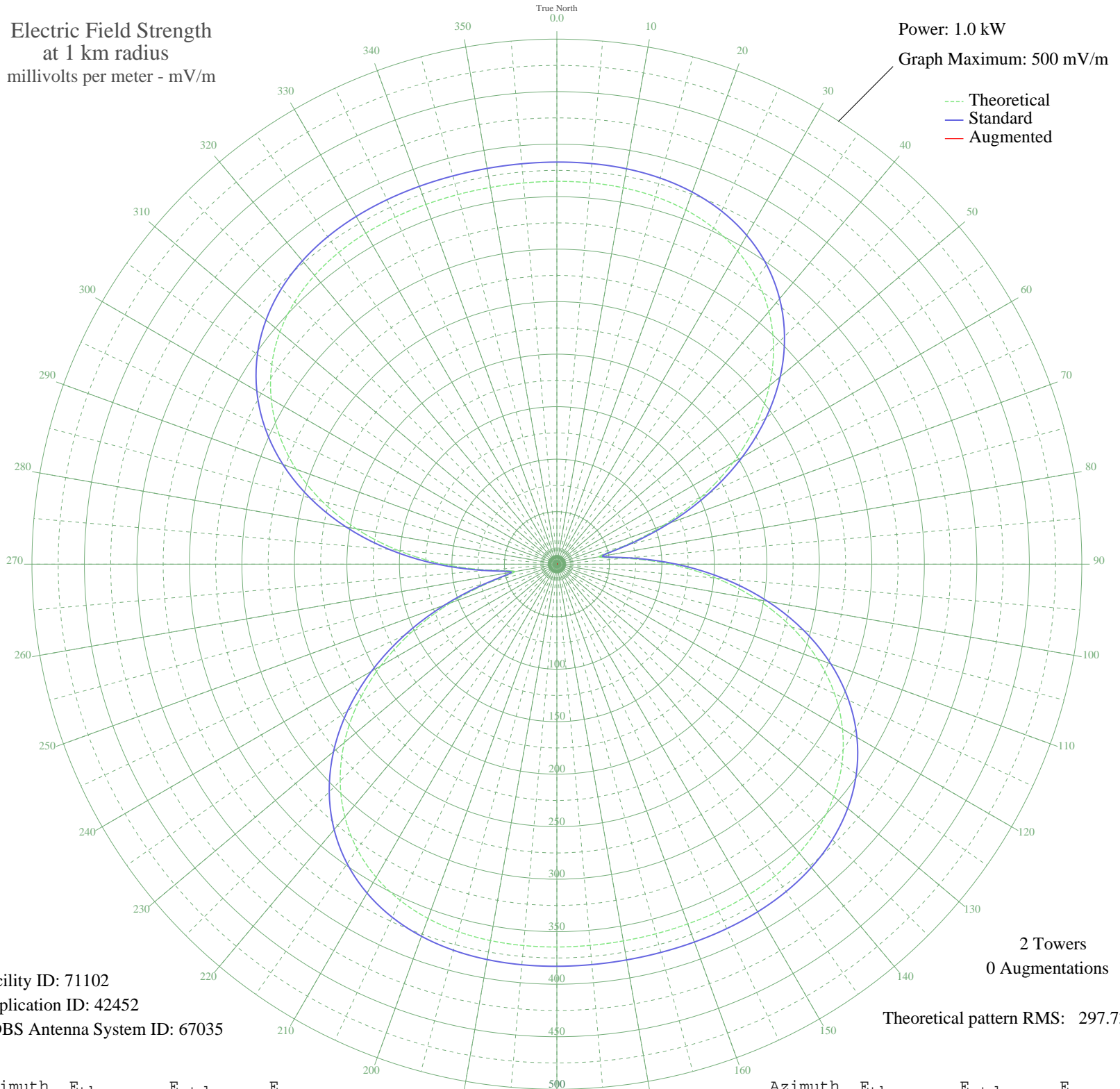


# WATR WATERBURY, CT BL-19820511AM 1320 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 71102  
Application ID: 42452  
CDBS Antenna System ID: 67035

2 Towers  
0 Augmentations

Theoretical pattern RMS: 297.73

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	364.55	382.93	
5	364.55	382.92	
10	363.99	382.34	
15	362.35	380.62	
20	359.00	377.10	
25	353.23	371.04	
30	344.30	361.66	
35	331.49	348.22	
40	314.17	330.04	
45	291.87	306.64	
50	264.31	277.73	
55	231.53	243.33	
60	193.88	203.84	
65	152.15	160.10	
70	107.88	113.76	
75	64.88	68.93	
80	40.51	43.81	
85	64.88	68.93	
90	107.88	113.76	
95	152.15	160.10	
100	193.88	203.84	
105	231.53	243.33	
110	264.31	277.73	
115	291.87	306.64	
120	314.17	330.04	
125	331.49	348.22	
130	344.30	361.66	
135	353.23	371.04	
140	359.00	377.10	
145	362.35	380.62	
150	363.99	382.34	
155	364.55	382.92	
160	364.55	382.93	
165	364.40	382.76	
170	364.32	382.68	
175	364.40	382.76	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	364.55	382.93	
185	364.55	382.92	
190	363.99	382.34	
195	362.35	380.62	
200	359.00	377.10	
205	353.23	371.04	
210	344.30	361.66	
215	331.49	348.22	
220	314.17	330.04	
225	291.87	306.64	
230	264.31	277.73	
235	231.53	243.33	
240	193.88	203.84	
245	152.15	160.10	
250	107.88	113.76	
255	64.88	68.93	
260	40.51	43.81	
265	64.88	68.93	
270	107.88	113.76	
275	152.15	160.10	
280	193.88	203.84	
285	231.53	243.33	
290	264.31	277.73	
295	291.87	306.64	
300	314.17	330.04	
305	331.49	348.22	
310	344.30	361.66	
315	353.23	371.04	
320	359.00	377.10	
325	362.35	380.62	
330	363.99	382.34	
335	364.55	382.92	
340	364.55	382.93	
345	364.40	382.76	
350	364.32	382.68	
355	364.40	382.76	

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