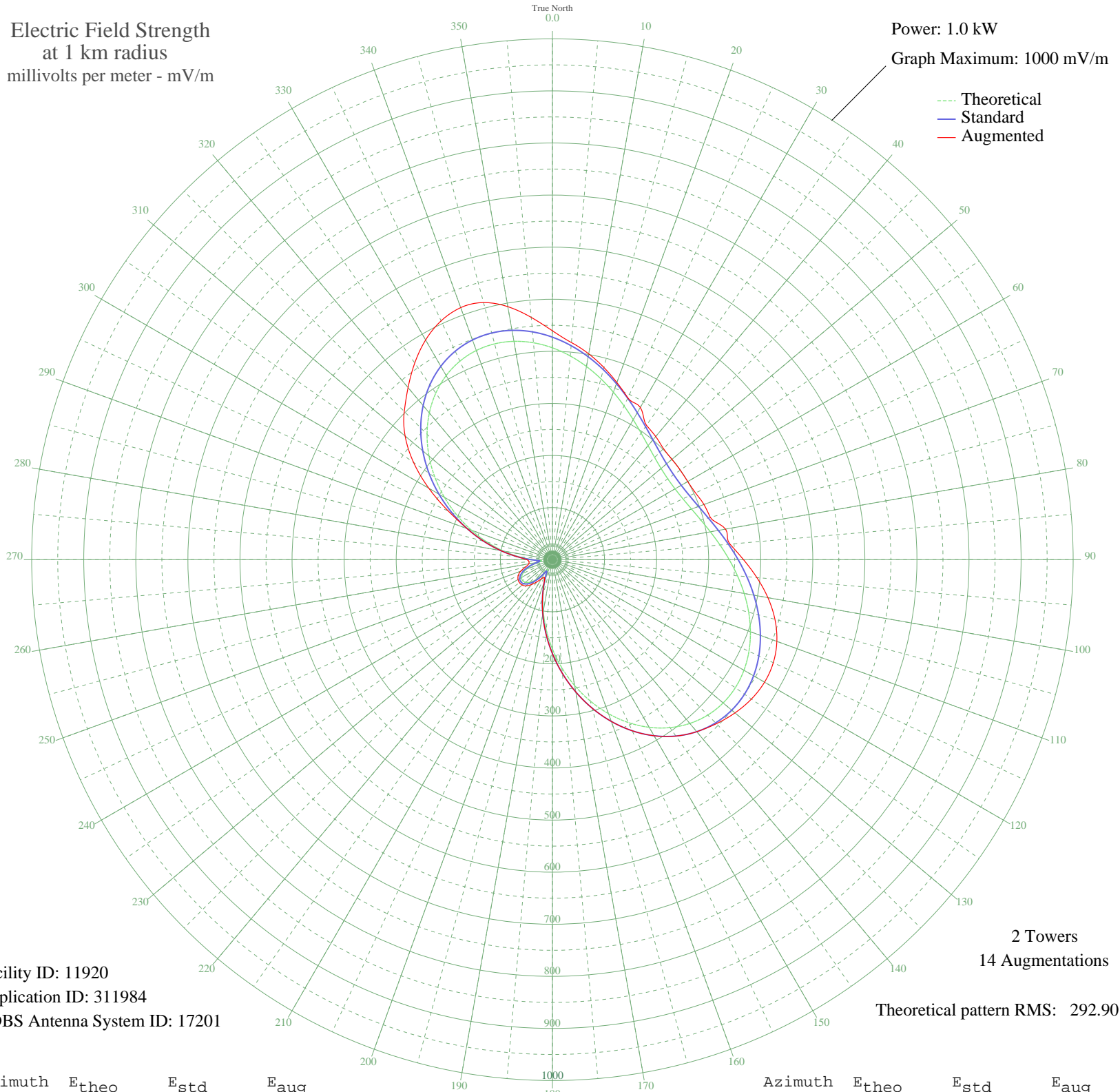


# WAVZ NEW HAVEN, CT BL-- 1300 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 11920  
Application ID: 311984  
CDBS Antenna System ID: 17201

2 Towers  
14 Augmentations  
Theoretical pattern RMS: 292.90

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	406.72	427.19	439.44
5	392.63	412.40	418.43
10	376.61	395.58	401.27
15	359.53	377.66	381.98
20	342.27	359.54	361.94
25	325.61	342.05	342.75
30	310.25	325.93	337.56
35	296.81	311.83	314.91
40	285.78	300.26	308.57
45	277.56	291.62	301.60
50	272.40	286.21	299.54
55	270.49	284.21	299.58
60	271.87	285.66	300.05
65	276.52	290.54	303.23
70	284.27	298.67	309.65
75	294.87	309.80	313.89
80	307.96	323.53	337.56
85	323.04	339.36	342.28
90	339.54	356.68	366.95
95	356.76	374.75	394.10
100	373.92	392.76	420.20
105	390.17	409.82	442.39
110	404.63	424.99	458.66
115	416.42	437.37	468.02
120	424.71	446.06	470.41
125	428.75	450.31	466.53
130	427.96	449.48	457.68
135	421.94	443.16	445.40
140	410.47	431.12	431.12
145	393.62	413.43	413.43
150	371.65	390.38	390.38
155	345.08	362.48	362.48
160	314.58	330.47	330.47
165	281.01	295.25	295.25
170	245.31	257.79	257.79
175	208.48	219.15	219.15

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	171.50	180.39	180.39
185	135.36	142.51	142.51
190	100.96	106.53	106.53
195	69.27	73.49	73.49
200	41.70	45.02	46.15
205	22.66	26.01	37.14
210	24.26	27.56	42.81
215	38.05	41.31	51.94
220	51.32	54.90	62.22
225	61.42	65.34	71.18
230	67.74	71.89	75.81
235	70.07	74.32	77.25
240	68.38	72.56	76.29
245	62.69	66.66	72.54
250	53.18	56.81	64.95
255	40.33	43.63	52.89
260	26.20	29.44	46.22
265	21.26	24.67	45.19
270	37.86	41.11	49.19
275	64.53	68.57	68.75
280	95.68	101.01	101.01
285	129.71	136.60	136.60
290	165.64	174.24	174.24
295	202.55	212.93	220.42
300	239.47	251.66	274.00
305	275.41	289.38	325.55
310	309.39	325.03	369.31
315	340.44	357.62	402.34
320	367.69	386.22	431.28
325	390.44	410.09	460.92
330	408.13	428.67	487.06
335	420.47	441.62	505.90
340	427.36	448.85	514.99
345	428.96	450.53	511.00
350	425.66	447.06	493.27
355	418.00	439.03	466.96