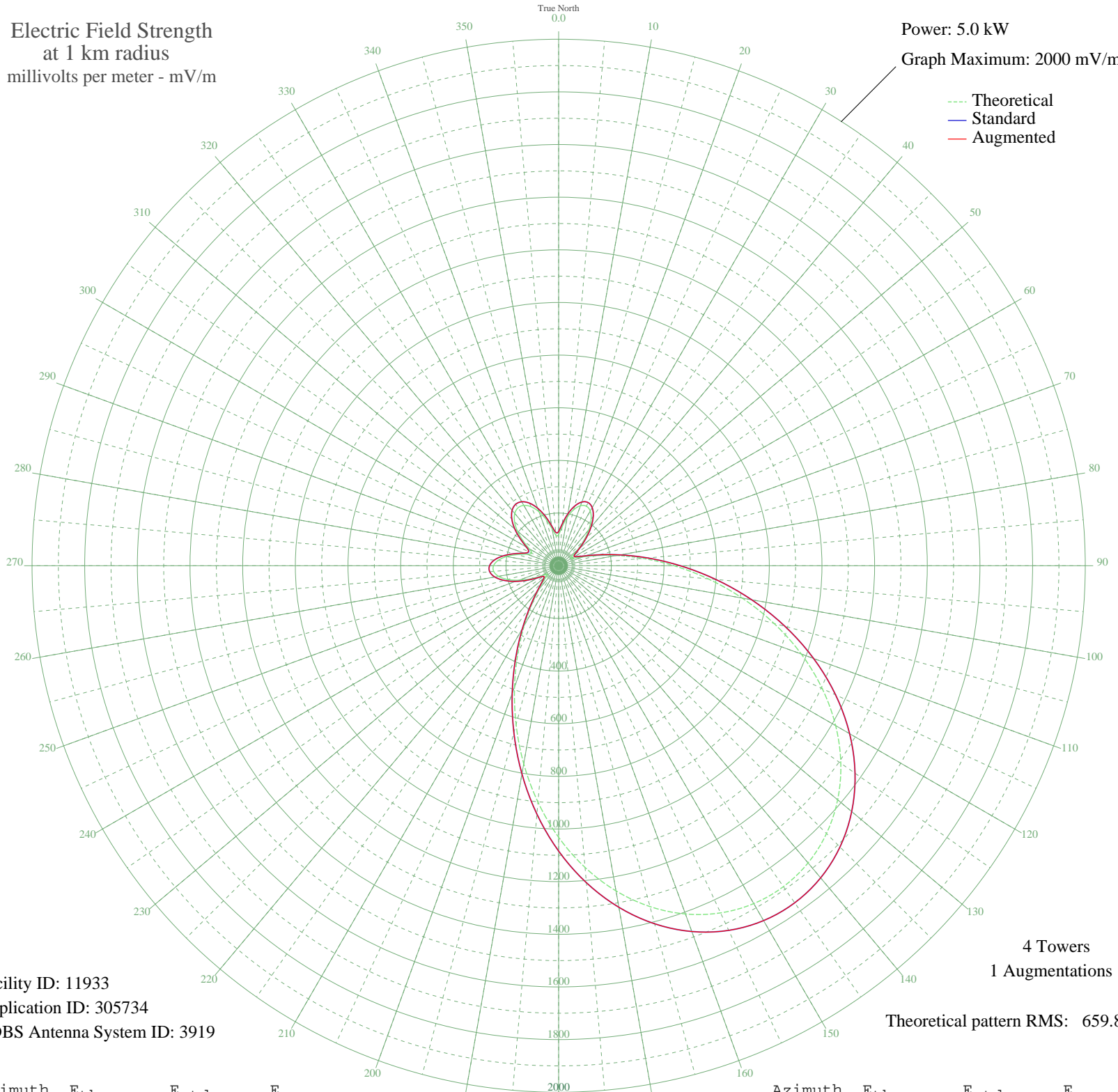


# WELI NEW HAVEN, CT BL-- 960 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 11933  
Application ID: 305734  
CDBS Antenna System ID: 3919

4 Towers  
1 Augmentations  
Theoretical pattern RMS: 659.83

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	118.44	130.11	130.11
5	148.02	160.06	160.06
10	186.33	199.35	199.35
15	220.22	234.37	234.37
20	242.53	257.51	257.51
25	249.50	264.76	264.76
30	239.93	254.81	254.81
35	214.95	228.91	228.91
40	178.00	190.77	190.77
45	134.61	146.42	146.42
50	92.42	104.30	104.30
55	61.97	75.48	75.48
60	55.14	69.39	69.39
65	69.58	82.47	82.47
70	99.02	110.78	110.78
75	148.52	160.57	160.57
80	222.73	236.98	236.98
85	320.82	339.03	339.03
90	438.44	461.95	461.95
95	569.65	599.36	599.36
100	707.94	744.32	744.32
105	846.90	890.07	890.07
110	980.75	1030.50	1030.50
115	1104.63	1160.49	1160.49
120	1214.71	1276.02	1276.02
125	1308.20	1374.14	1374.14
130	1383.21	1452.88	1452.88
135	1438.60	1511.01	1511.01
140	1473.69	1547.85	1547.85
145	1488.19	1563.07	1563.07
150	1481.97	1556.54	1556.54
155	1455.09	1528.33	1528.33
160	1407.77	1478.65	1478.65
165	1340.50	1408.04	1408.04
170	1254.22	1317.48	1317.48
175	1150.50	1208.63	1208.63

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	1031.74	1084.00	1084.00
185	901.35	947.19	947.19
190	763.78	802.88	802.88
195	624.49	656.83	656.83
200	489.66	515.56	515.56
205	365.84	386.03	386.03
210	259.30	274.93	274.93
215	175.18	187.87	187.87
220	116.03	127.69	127.69
225	79.42	91.74	91.74
230	59.01	72.81	72.81
235	56.04	70.18	70.18
240	78.10	90.49	90.49
245	117.08	128.75	128.75
250	161.03	173.36	173.36
255	201.34	214.84	214.84
260	231.64	246.21	246.21
265	247.65	262.83	262.83
270	247.28	262.45	262.45
275	230.80	245.34	245.34
280	200.91	214.39	214.39
285	163.21	175.58	175.58
290	128.04	139.77	139.77
295	112.80	124.47	127.14
300	129.22	140.97	140.97
305	165.04	177.46	177.46
310	203.90	217.48	217.48
315	236.82	251.58	251.58
320	259.22	274.86	274.86
325	268.80	284.82	284.82
330	264.67	280.52	280.52
335	247.21	262.37	262.37
340	218.10	232.18	232.18
345	180.86	193.72	193.72
350	142.31	154.24	154.24
355	115.81	127.47	127.47