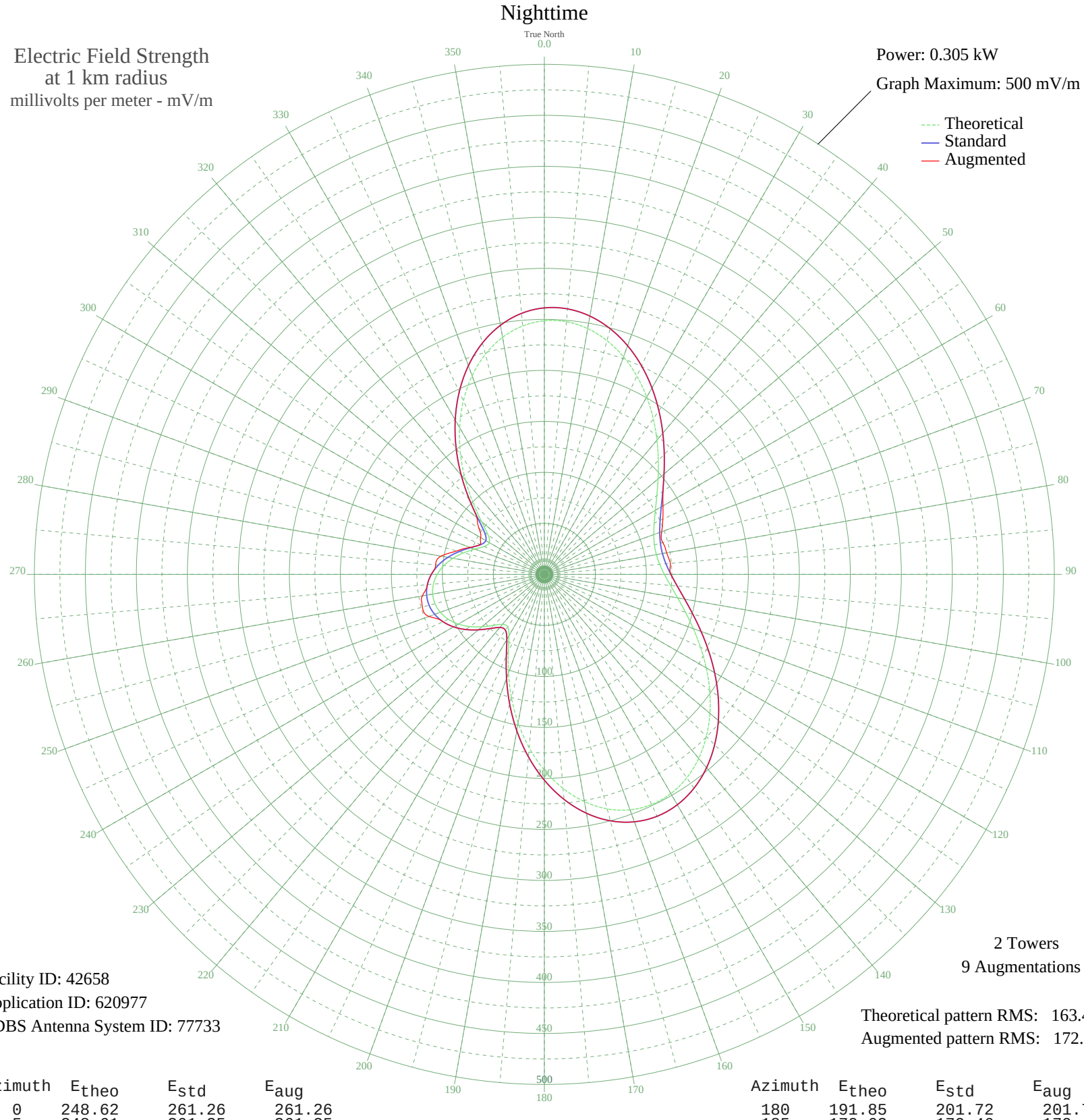
WQUN HAMDEN, CT BL-20021210ACN 1220 kHz

Nighttime

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



2 Towers
9 Augmentations

Facility ID: 42658
Application ID: 620977
CDBS Antenna System ID: 77733

Theoretical pattern RMS: 163.45
Augmented pattern RMS: 172.28

Azimuth	E_{theo}	E_{std}	E_{aug}
0	248.62	261.26	261.26
5	248.61	261.25	261.25
10	244.67	257.12	257.12
15	237.26	249.34	249.34
20	226.98	238.56	238.56
25	214.55	225.52	225.52
30	200.71	211.00	211.00
35	186.21	195.80	195.80
40	171.77	180.67	180.67
45	158.02	166.26	166.26
50	145.50	153.14	153.14
55	134.62	141.74	142.08
60	125.67	132.37	134.29
65	118.83	125.22	128.20
70	114.19	120.35	122.46
75	111.75	117.81	120.22
80	111.53	117.58	121.75
85	113.52	119.66	123.97
90	117.73	124.06	124.06
95	124.13	130.76	130.76
100	132.67	139.70	139.70
105	143.18	150.71	150.71
110	155.41	163.51	163.51
115	168.95	177.71	177.71
120	183.30	192.75	192.75
125	197.84	207.99	207.99
130	211.87	222.71	222.71
135	224.64	236.11	236.11
140	235.41	247.40	247.40
145	243.45	255.83	255.83
150	248.12	260.74	260.74
155	248.94	261.60	261.60
160	245.60	258.09	258.09
165	237.98	250.09	250.09
170	226.20	237.75	237.75
175	210.64	221.42	221.42

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.

3 Feb 2017

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	191.85	201.72	201.72
185	170.62	179.46	179.46
190	147.89	155.64	155.64
195	124.81	131.47	131.47
200	102.76	108.41	108.41
205	83.52	88.32	88.32
210	69.37	73.60	73.60
215	62.68	66.65	66.65
220	63.92	67.94	67.94
225	70.71	74.99	74.99
230	79.87	84.52	84.52
235	89.18	94.23	94.23
240	97.43	102.84	102.84
245	103.98	109.68	109.68
250	108.54	114.45	120.46
255	110.96	116.98	123.79
260	111.18	117.21	121.60
265	109.20	115.14	115.14
270	105.06	110.81	110.81
275	98.89	104.36	106.99
280	90.94	96.07	102.89
285	81.77	86.50	88.80
290	72.44	76.79	77.36
295	64.95	69.00	69.39
300	62.34	66.29	72.20
305	67.38	71.53	78.03
310	80.20	84.86	86.30
315	98.62	104.08	104.08
320	120.27	126.72	126.72
325	143.26	150.79	150.79
330	166.16	174.78	174.78
335	187.77	197.44	197.44
340	207.12	217.73	217.73
345	223.38	234.78	234.78
350	235.95	247.96	247.96
355	244.41	256.85	256.85