eurofins | Product Service

FCC TEST REPORT

FCC 47 CFR Part 15C
Industry Canada RSS-210

Intentional radiator operating within the bands
902 – 928 MHz, 2400 – 2483.5 MHz and 5725 – 5875 MHz

Report Reference No. ..... :	G0M-1805-7424-TFC249-V01
Testing Laboratory ..... :	Eurofins Product Service GmbH
Address ..... :	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation ..... :	A2LA Accredited Testing Laboratory, Certificate No.: 1983.01 FCC Filed Test Laboratory, Reg.-No.: 96970 IC OATS Filing assigned code: 3470A-2
Applicant's name ..... :	Liftup A/S
Address ..... :	Hagensvej 21 DK- 9530 Støvring DENMARK
Test specification:	
Standard..... :	47 CFR Part 15C RSS-210, Issue 9, 2016-08 RSS-Gen, Issue 4, 2014-11 ANSI C63.10, 2013
Test scope…….. ..... :	complete Radio compliance test
Equipment under test (EUT):	
Product description	Radio module for Liftup A/S products
Model No.	MODULE1
Additional Model(s)	None
Brand Name(s)	Liftup
Hardware version	C
Firmware / Software version	0.14
	FCC-ID: 2AK8H-MODULE1 IC: 22516-MODULE1
Test result	**Passed**

Possible test case verdicts:	
- required by standard but not appl. to test object ..... :	N/A
- required by standard but not tested ..... :	N/T
- not required by standard for the test object ..... :	N/R
- test object does meet the requirement ..... :	P (Pass)
- test object does not meet the requirement ..... :	F (Fail)

Testing:		
Test Lab Temperature ..... :	20 – 23 °C	
Test Lab Humidity ..... :	32 – 38 %	
Date of receipt of test item ..... :	2018-07-02	
Date (s) of performance of tests ..... :	2018-07-09 – 2018-07-13	
Compiled by ..... :	Sebastian Suckow	
Tested by (+ signature) ..... : (Responsible for Test)	Sebastian Suckow	.....
Approved by (+ signature) ..... : (Deputy Head of Lab)	Toralf Jahn	.....
Date of issue ..... :	2018-08-17	
Total number of pages ..... :	82	

General remarks:

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

Additional comments:

Version History

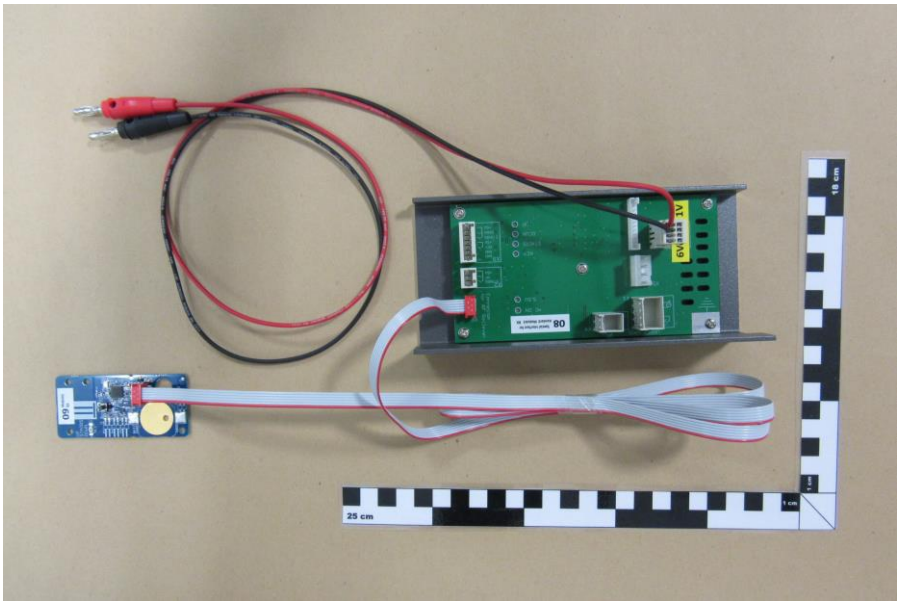
Version	Issue Date	Remarks	Revised by
01	2018-08-17	Initial Release	

REPORT INDEX

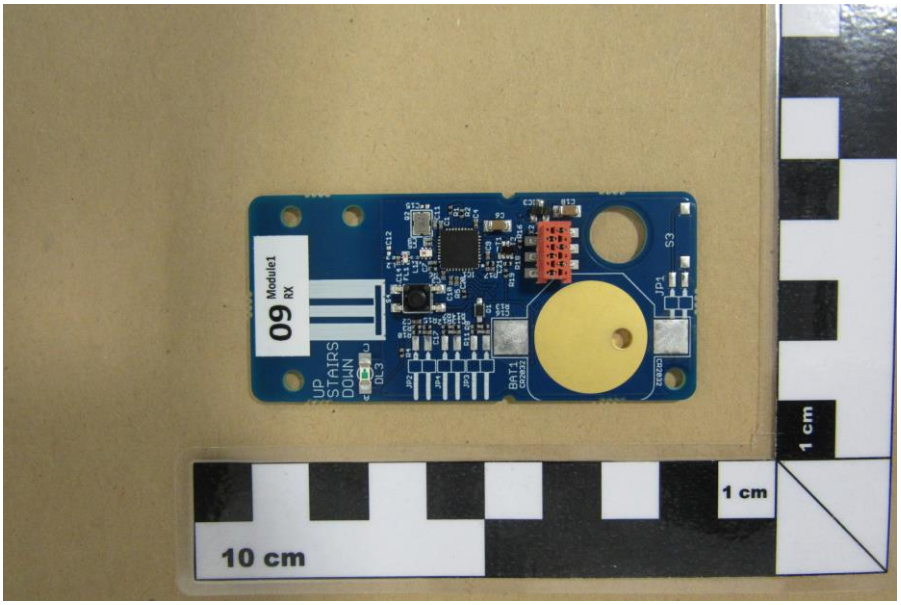
1 Equipment (Test item) Description:

Description	Radio module for Liftup A/S products	
Model	MODULE1	
Additional Model(s)	None	
Brand Name(s)	Liftup	
Serial number	None	
Hardware version	C	
Software / Firmware version	0.14	
PMN	MODULE1	
HVIN	MODULE1	
FVIN	N/A	
HMN	N/A	
FCC-ID	2AK8H-MODULE1	
IC	22516-MODULE1	
Equipment type	End product	
Radio type	Transceiver	
Radio technology	custom	
Operating frequency range	2410 - 2460 MHz	
Assigned frequency band	2400 - 2483.5 MHz	
Frequency range	F_{LOW}	2410 MHz
	F_{MID}	2435 MHz
	F_{HIGH}	2460 MHz
Spreading	None	
Modulations	GFSK	
Number of channels	3	
Channel spacing	25 MHz	
Number of antennas	1	
Antenna	Type	integrated
	Model	PCB
	Manufacturer	Liftup A/S
	Gain	0.72 dBi
Manufacturer	Liftup A/S Hagensvej 21 DK- 9530 Støvring DENMARK	
Power supply	V_{NOM}	5.6 VDC
	V_{MIN}	N/A
	V_{MIN}	N/A

1.1 Photos – Equipment External

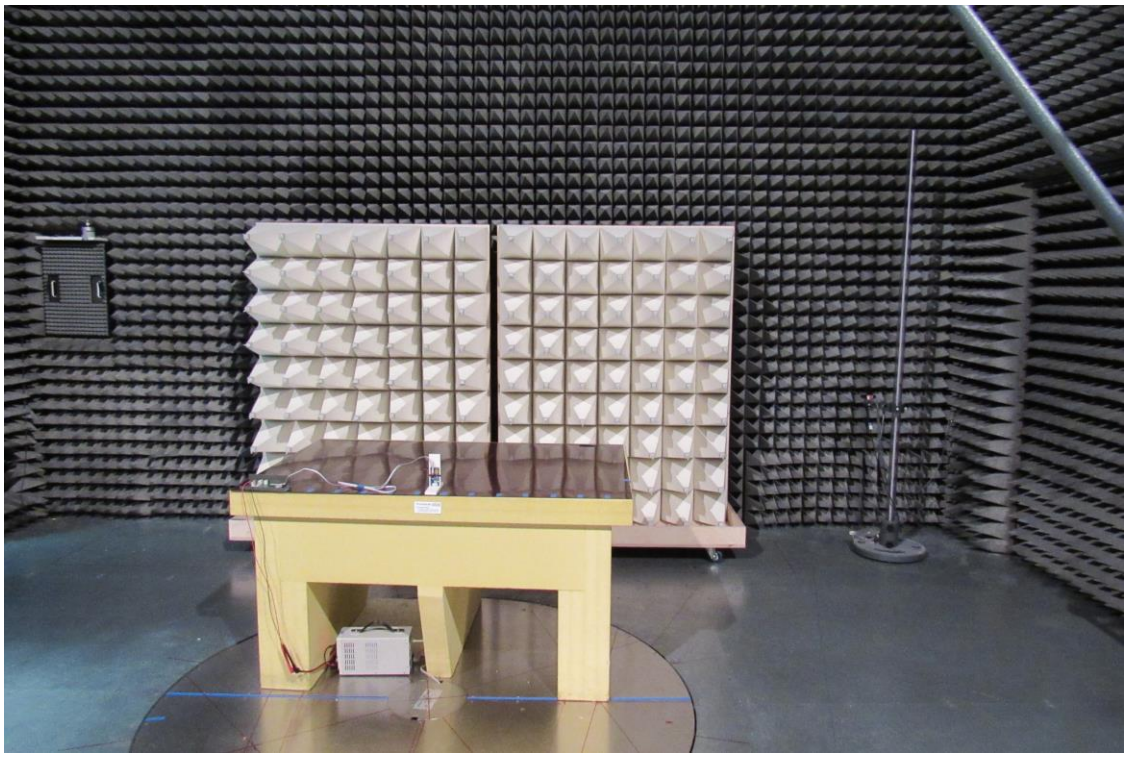
EUT complete


1.2 Photos – Equipment internal

PCB Top


PCB Bottom


1.3 Photos – Test setup

Test Setup


1.4 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments
None				

***Note:** Use the following abbreviations:

AE : Auxiliary/Associated Equipment, or

SIM : Simulator (Not Subjected to Test)

CABL : Connecting cables

1.5 Test Modes

Mode #	Description	
Transmit	General conditions:	Specially prepared test mode with 100% duty cycle.
	Radio conditions:	Mode = standalone transmit Modulation = GFSK Power level = Maximum
Receive	General conditions:	EUT powered by fully charged battery
	Radio conditions:	Mode = standalone receive Modulation = GFSK

1.6 Test Equipment Used During Testing

Measurement Software			
Description	Manufacturer	Name	Version
EMC Test Software	Dare Instruments	Radimation	2015.2.4

Occupied Bandwidth					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum analyzer	R&S	FSU 26	EF01003	2017-07	2018-07

Duty Cycle					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum analyzer	R&S	FSU 26	EF01003	2017-07	2018-07

Field strength emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Semi-anechoic chamber	Frankonia	AC 1	EF00062	-	-
MXE EMI Receiver	Keysight Technologies	N9038A-526/WXP	EF01070	2017-08	2018-08
Biconical Antenna	R&S	HK 116	EF00203	2018-06	2020-06
LPD Antenna	R&S	HL 223	EF00187	2016-05	2019-05
Horn antenna	Schwarzbeck	BBHA 9120D	EF00019	2016-09	2018-09

1.7 Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

Reading:

This is the reading obtained on the spectrum analyzer in dBµV. Any external preamplifiers used are taken into account through internal analyzer settings.

A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyzer. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

Reading on Analyzer (dBµV) + A.F. (dB) = Net field strength (dBµV/m)

Net:

This is the net field strength measurement (as shown above).

Limit:

This is the FCC Class B radiated emission limit (in units of dBµV/m). The FCC limits are given in units of µV/m. The following formula is used to convert the units of µV/m to dBµV/m:

Limit (dBµV/m) = 20*log (µV/m)

Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

Example only:

Reading	+	AF	=	Net Reading	:	Net reading - FCC limit	= Margin
21.5 dBµV	+	26 dB	=	47.5 dBµV/m	:	47.5 dBµV/m - 57.0 dBµV/m	= -9.5 dB

2 Result Summary

FCC 47 CFR Part 15C, IC RSS-210				
Product Specific Standard Section	**Requirement – Test**	**Reference Method**	**Result**	**Remarks**
RSS-Gen 6.6	Occupied Bandwidth	RSS-Gen 6.6	N/R	Informational only
FCC 15.35(c) RSS-Gen 6.10	Duty Cycle	ANSI C63.10	N/R	Informational only
FCC 15.249(a),(c),(e) RSS-210 B.10(a)	Fundamental field strength emissions	ANSI C63.10	PASS	
FCC 15.249(a),(c),(d),(e) RSS-210 B.10(b)	Emission radiated outside the specified frequency band	ANSI C63.10	PASS	
RSS-Gen 7.1	Receiver radiated spurious emissions	ANSI C63.10	PASS	
FCC § 15.207 RSS-Gen 8.8	AC power line conducted emissions	ANSI C63.10	PASS	
Remarks:				

3 Test Conditions and Results

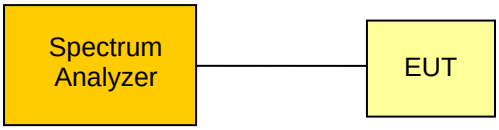
3.1 Test Conditions and Results – Occupied Bandwidth

Occupied Bandwidth acc. to IC RSS-Gen	**Verdict: N/R**
Test according to measurement reference	Reference Method
	RSS-Gen 6.6
Test frequency range	Tested frequencies
	F_{LOW}, F_{MID}, F_{HIGH}
EUT test mode	Transmit

Limits

None (Informational only)

Test setup



Test procedure

1. EUT set to test mode (Communication tester is used if needed)
2. Span set to at least twice the emission spectrum
3. Resolution bandwidth set to 1 % of span
4. Occupied Bandwidth (99 %) measurement with spectrum analyzer built in measurement function

Test results

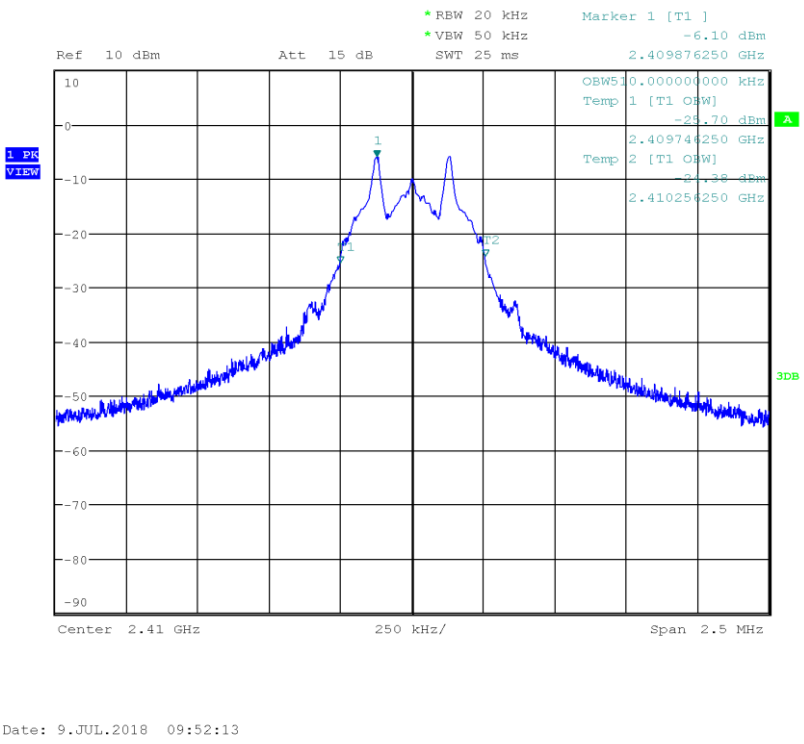
Channel	Frequency [MHz]	Occupied Bandwidth [kHz]
F_{LOW}	2410	510
F_{MID}	2435	504
F_{HIGH}	2460	509

Comments:

Occupied Bandwidth - F_{LOW}

Occupied Bandwidth acc. to ISED RSS-Gen 6.6

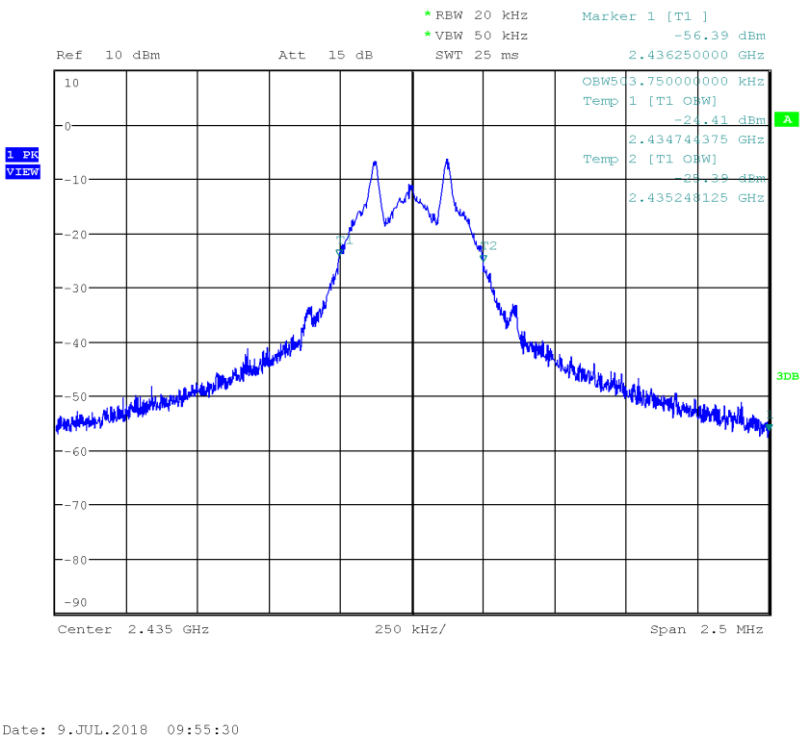
Project Number:	G0M-1805-7423
Applicant:	Liftup A/S
Model Description:	Radio module for Liftup A/S products
Model:	MODULE1
Test Sample ID:	19142
Operator:	S. Suckow
Test Site:	Eurofins Product Service GmbH
Test Date:	2018-07-09
Operating Conditions:	Tnom/Vnom
Mode:	TX 2410 MHz GFSK



Occupied Bandwidth - F_{MID}

Occupied Bandwidth acc. to ISED RSS-Gen 6.6

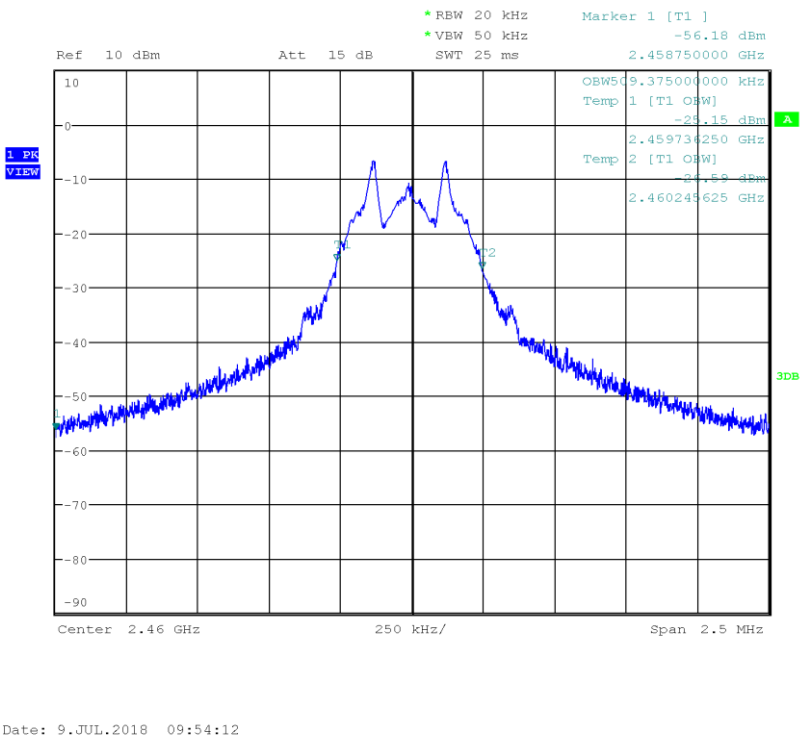
Project Number:	G0M-1805-7423
Applicant:	Liftup A/S
Model Description:	Radio module for Liftup A/S products
Model:	MODULE1
Test Sample ID:	19142
Operator:	S. Suckow
Test Site:	Eurofins Product Service GmbH
Test Date:	2018-07-09
Operating Conditions:	Tnom/Vnom
Mode:	TX 2435 MHz GFSK



Occupied Bandwidth - F_{HIGH}

Occupied Bandwidth acc. to ISED RSS-Gen 6.6

Project Number:	G0M-1805-7423
Applicant:	Liftup A/S
Model Description:	Radio module for Liftup A/S products
Model:	MODULE1
Test Sample ID:	19142
Operator:	S. Suckow
Test Site:	Eurofins Product Service GmbH
Test Date:	2018-07-09
Operating Conditions:	Tnom/Vnom
Mode:	TX 2460 MHz GFSK



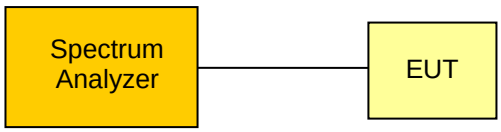
3.2 Test Conditions and Results – Duty Cycle

Duty cycle acc. to FCC 47 CFR 15.35(c) / ISED RSS-Gen 6.10	**Verdict: N/R**
Test according referenced standards	Reference Method
	FCC 15.35(c) / ISED RSS-Gen 6.10
Test according to measurement reference	Reference Method
	non specific
Test frequency range	Tested frequencies
	F_{HIGH}
EUT test mode	Transmit

Limits

None (only for peak to average correction, 20dB max)

Test setup



Test procedure

1. EUT set to test mode
2. Center frequency is set to test frequency
3. Span it set to zero span
4. Resolution bandwidth is set large enough to accurately capture transmission bursts
5. Total transmission time is measured

Test results

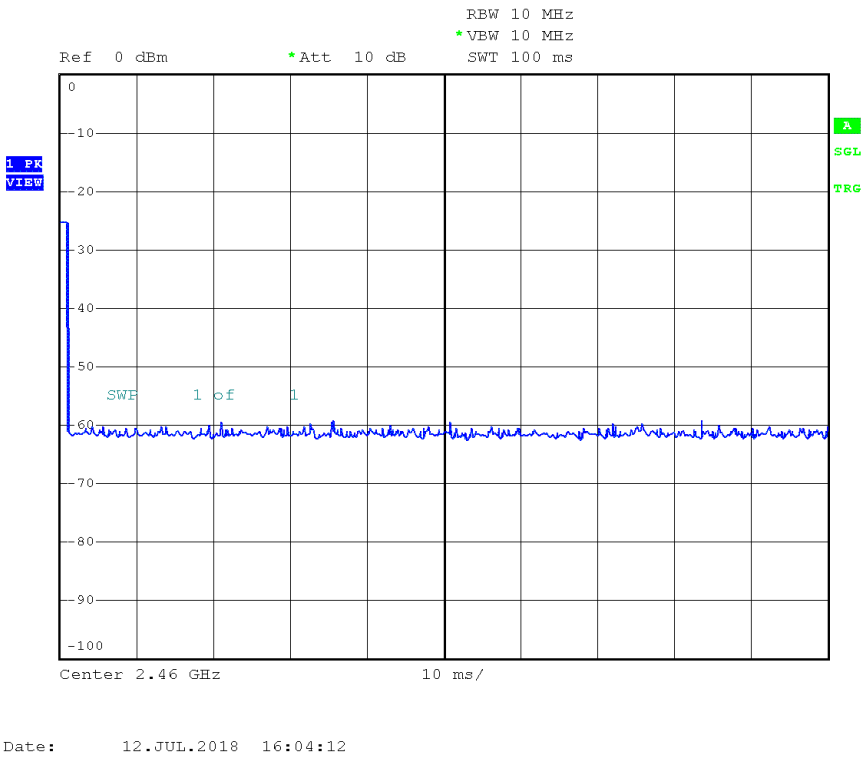
Channel	Frequency [MHz]	Duty Cycle [% @ 100ms]	Duty Cycle correction [dB]
F_{HIGH}	2460	1	40 -> 20

Comments: Duty cycle correction is used if pulsed operation is employed and field strength limits are expressed in terms of average value.

Duty Cycle – F_{HIGH}

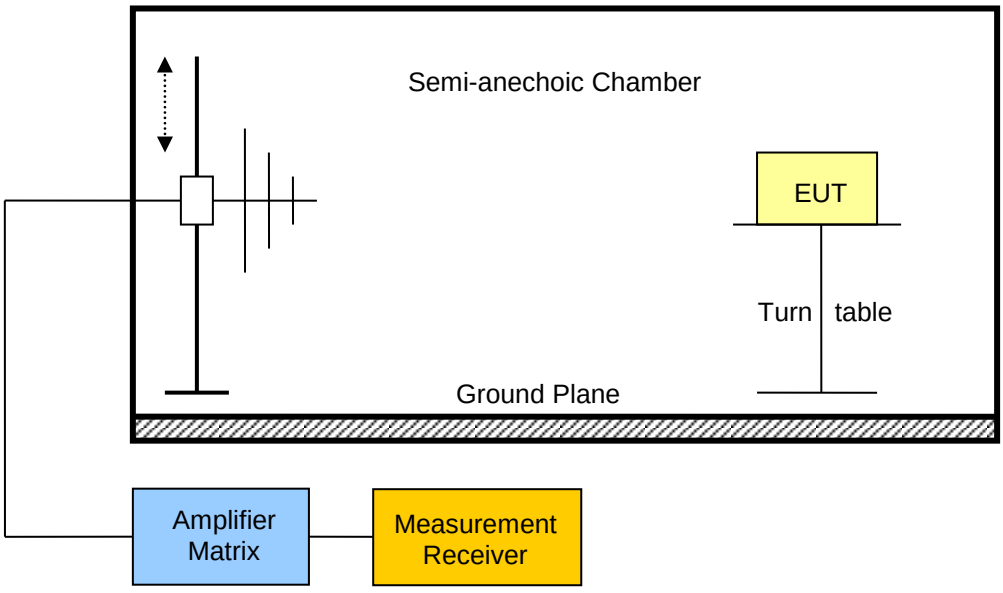
Duty Cycle

Project Number:	G0M-1805-7423
Applicant:	Liftup A/S
Model Description:	Radio module for Liftup A/S products
Model:	MODULE1
Test Sample ID:	16140
Reference Standards:	ANSI C63.10:2013
Reference Method:	ANSI C63.10:2013, Section 7.5
Operating Frequency:	2460 MHz
Operating Conditions:	Tnom/Vnom
Operator:	S. Suckow
Test Site:	Eurofins Product Service GmbH
Test Date:	2018-07-12
Duty Cycle Period:	100
Maximum Duty Cycle:	0.01
Maximum Duty Cycle [%]:	1
Duty Cycle Correction [dB]:	-40.00



3.3 Test Conditions and Results – Fundamental field strength emissions

Field strength emissions acc. to FCC 47 CFR 15.249 / IC RSS-210				**Verdict: N/R**
Test according referenced standards		Reference Method		
		FCC 15.249(a),(c),(e) / IC RSS-210 B.10(a)		
Test according to measurement reference		Reference Method		
		ANSI C63.10		
Test frequency range		Tested frequencies		
		F_{LOW}, F_{MID}, F_{HIGH}		
EUT test mode		Transmit		
Limits				
Frequency range [MHz]	Detector	Limit [mV/m]	Limit [dBµV/m]	Limit Distance [m]
902 – 928	Quasi-Peak	50	94	3
2400 – 2483.5	Average	50	94	3
5725 - 5875	Average	50	94	3
FCC 15.249(e) : for frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. Below 1GHz a CISPR quasi-peak detector is used.				
Test setup				



Test procedure
1. EUT set to test mode 2. Span it set according to measurement range 3. Below 1 GHz the resolution bandwidth is set according to CISPR 16 to 120 kHz with peak/quasi-peak detector. 4. Above 1 GHz the resolution bandwidth is set to 1 MHz with peak/average detector. Pulsed emissions are averaged over 100 ms with duty cycle correction. 5. Markers are set to maximum emission levels

Test results pulsed emissions > 1 GHz

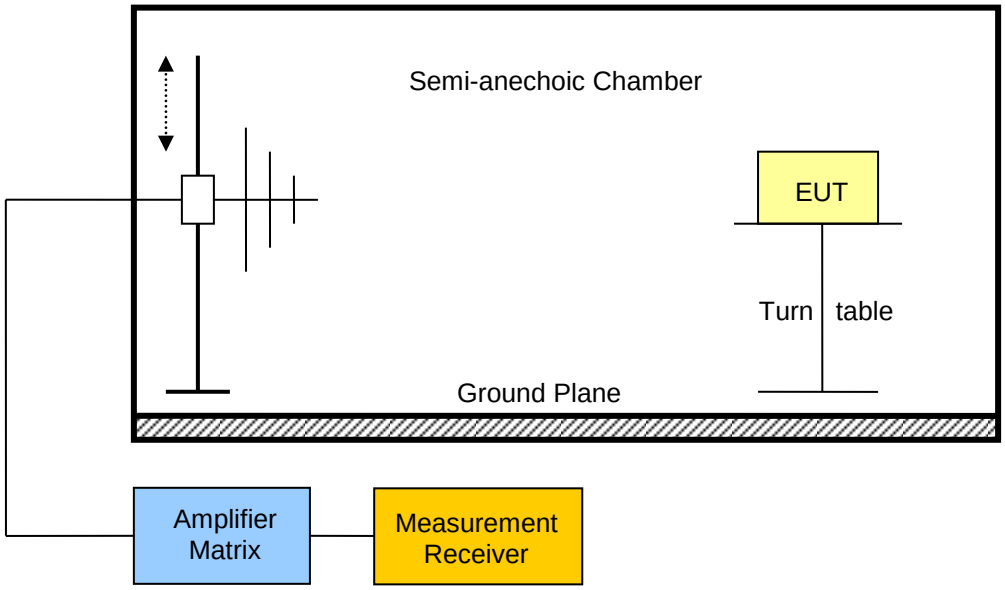
Channel	Frequency [MHz]	Pol.	Peak Level [dBµV/m]	Duty Cycle Correct. [dB]	Average Level [dBµV/m]	Average Limit [dBµV/m]	Limit distance [m]*	Margin [dB]
F_{LOW}	2410	hor	86.41	20	66.41	94	3	-27.59
F_{LOW}	2410	ver	98.07	20	78.07	94	3	-15.93
F_{MID}	2435	hor	90.49	20	70.49	94	3	-23.51
F_{MID}	2435	ver	96.60	20	76.60	94	3	-17.40
F_{HIGH}	2460	hor	90.64	20	70.64	94	3	-23.36
F_{HIGH}	2460	ver	96.32	20	76.32	94	3	-17.68

Comments: * Physical distance between EUT and measurement antenna.

3.4 Test Conditions and Results – Emissions radiated outside the specified frequency band

Radiated out-of-band band emissions acc. to FCC 47 CFR 15.249 / IC RSS-210				**Verdict: PASS**
Test according referenced standards	Reference Method			
	FCC 15.249(a),(c),(d),(e) / IC RSS-210 B.10(b)			
Test according to measurement reference	Reference Method			
	ANSI C63.10			
Test frequency range	Tested frequencies			
	30 MHz – 10th harmonic			
EUT test mode	Transmit			
Limits - Harmonics				
The field strength of harmonic emissions, measured at 3 m, shall not exceed 500 µV/m (54 dBµV/m).				
Limits - General				
Frequency range [MHz]	Detector	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]
30 – 88	Quasi-Peak	100	40	3
88 – 216	Quasi-Peak	150	43.5	3
216 – 960	Quasi-Peak	200	46	3
960 – 1000	Quasi-Peak	500	54	3
> 1000	Average	500	54	3
For frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. Except the higher order harmonics, emission radiated outside the specified frequency band shall be attenuated by at least 50 dB below the level of the fundamental or to the general field strength limits listed in 15.209 / RSS-Gen, whichever is less stringent.				

Test setup



Test procedure

1. EUT set to test mode
2. Span it set according to measurement range
3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz
4. Markers are set to maximum emission levels

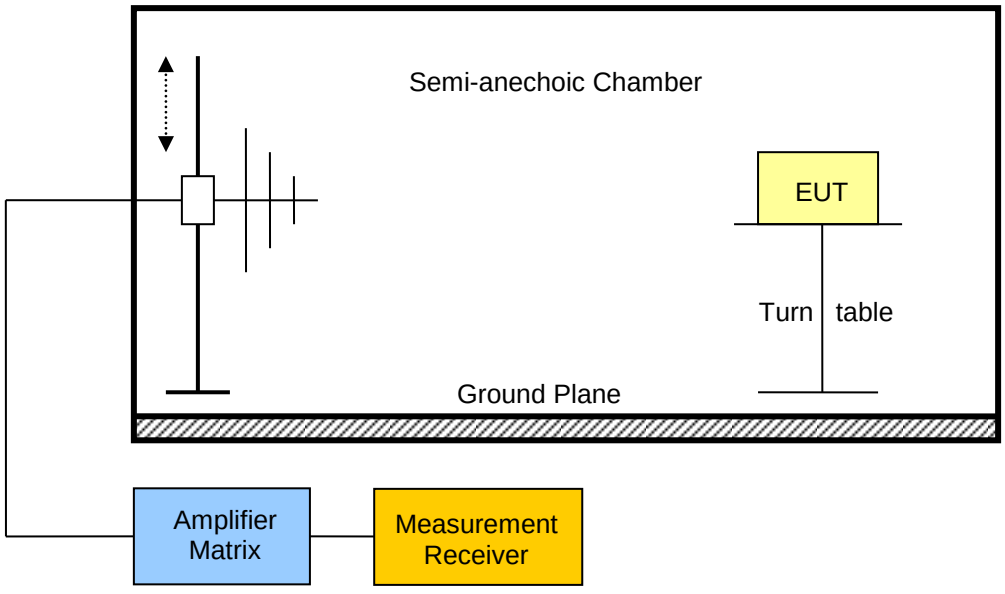
Test results

Channel	Frequency [MHz]	Emission [MHz]	Level [dBµV/m]	Detector	Pol.	Limit [dBµV/m]	Margin [dB]
F_{LOW}	2410	4819	41.37	pk	hor	74.00	-32.63
F_{MID}	2435	4867	41.52	pk	hor	74.00	-32.48
F_{HIGH}	2460	4919	42.09	pk	hor	74.00	-31.91

Comments: * Physical distance between EUT and measurement antenna.

3.5 Test Conditions and Results – Receiver radiated emissions

Receiver radiated emissions acc. to IC RSS-210				**Verdict: PASS**
Test according referenced standards	Reference Method			
	RSS-Gen 7.1			
Test according to measurement reference	Reference Method			
	ANSI C63.10			
Test frequency range	Tested frequencies			
	30 MHz – 5th Harmonic			
EUT test mode	Receive			
Limits				
Frequency range [MHz]	Detector	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]
30 – 88	Quasi-Peak	100	40	3
88 – 216	Quasi-Peak	150	43.5	3
216 – 960	Quasi-Peak	200	46	3
960 – 1000	Quasi-Peak	500	54	3
> 1000	Average	500	54	3
Test setup				



Test procedure
1. EUT set to receive mode (Communication tester is used if needed) 2. Span it set according to measurement range 3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz 4. Markers are set to peak emission levels

Test results

Channel	Frequency [MHz]	Emission [MHz]	Level [dBµV/m]	Detector	Pol.	Limit [dBµV/m]	Margin [dB]
F_{MID}	2435	36.0049	37.30	qpk	ver	40.00	-02.70

The stated emission level corresponds to ambient noise floor. No real spurious emission has been measured.

3.6 Test Conditions and Results – AC power line conducted emissions

Power line conducted emissions acc. to FCC 47 CFR 15.207 / IC RSS-Gen				**Verdict: PASS**
Test according referenced standards	Reference Method			
	ANSI C63.10			
Fully configured sample scanned over the following frequency range	Frequency range			
	0.15 MHz to 30 MHz			
Points of Application	Application Interface			
AC Mains	LISN			
EUT test mode	AC-Powerline			
Limits and results				
Frequency [MHz]	Quasi-Peak [dBµV]	Result	Average [dBµV]	Result
0.15 to 5	66 to 56*	PASS	56 to 46*	PASS
0.5 to 5	56	PASS	46	PASS
5 to 30	60	PASS	50	PASS
Comments: * Limit decreases linearly with the logarithm of the frequency.				

Conducted Emissions

EMI voltage test in the ac-mains according to FCC part 15B

Project number: G0M-1805-7424

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Unom: 5.6 VDC
LISN:	ESH2-Z5 N
Mode:	TX FHSS 2435 MHz GFSK
Test Date:	2018-07-16
Note:	Minus

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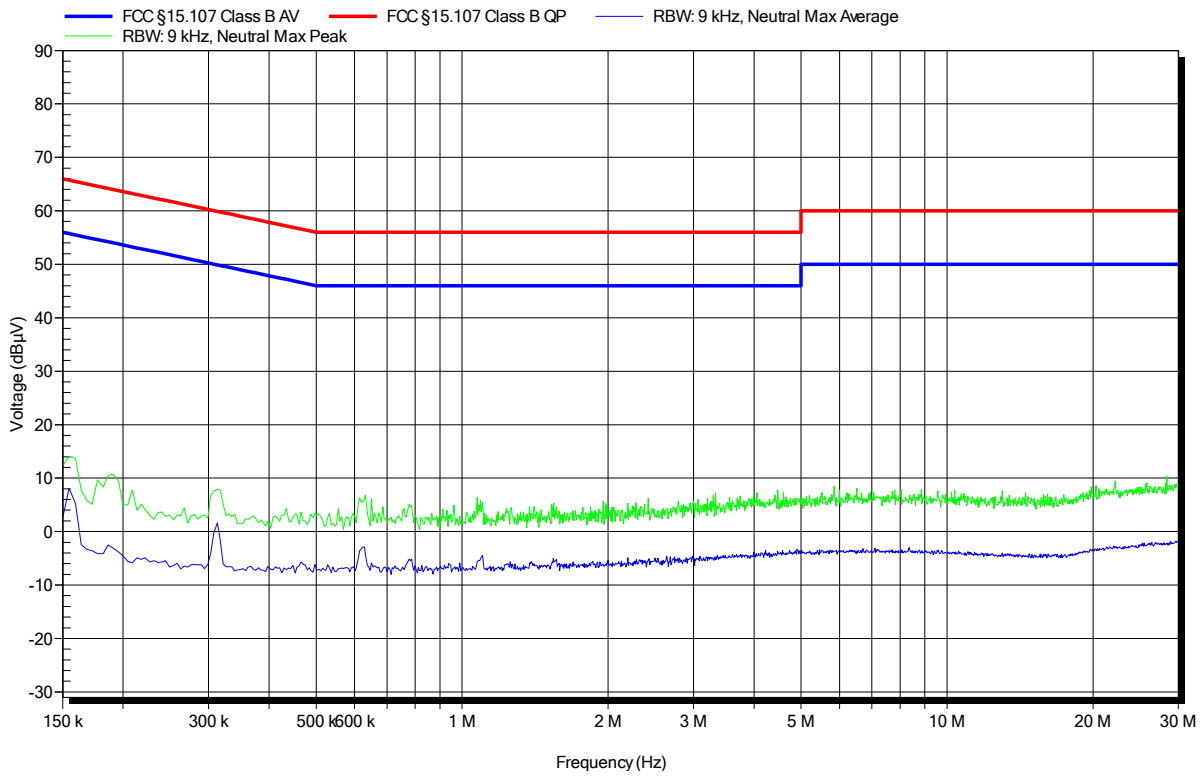

Conducted Emissions

EMI voltage test in the ac-mains according to FCC part 15B

Project number: G0M-1805-7424

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Unom: 5.6 VDC
LISN:	ESH2-Z5 L
Mode:	TX FHSS 2435 MHz GFSK
Test Date:	2018-07-16
Note:	Plus

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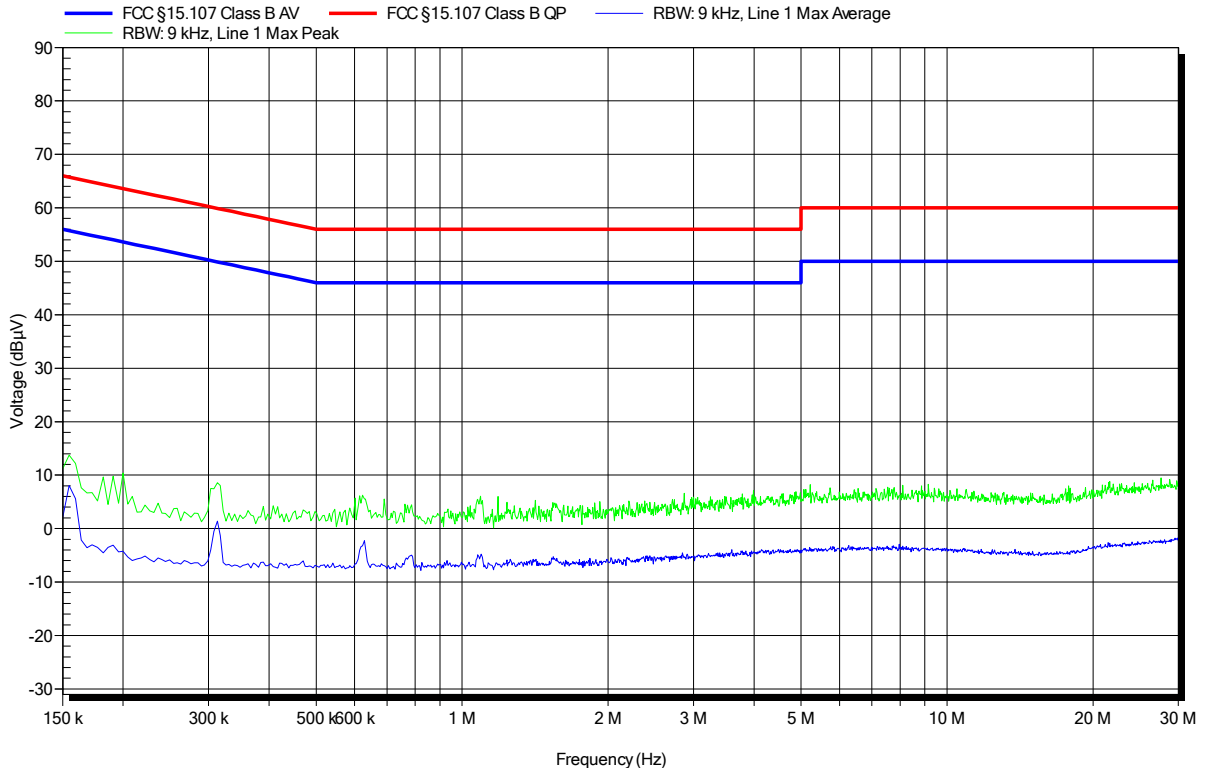

ANNEX A Transmitter radiated spurious emissions

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-13
Note:	

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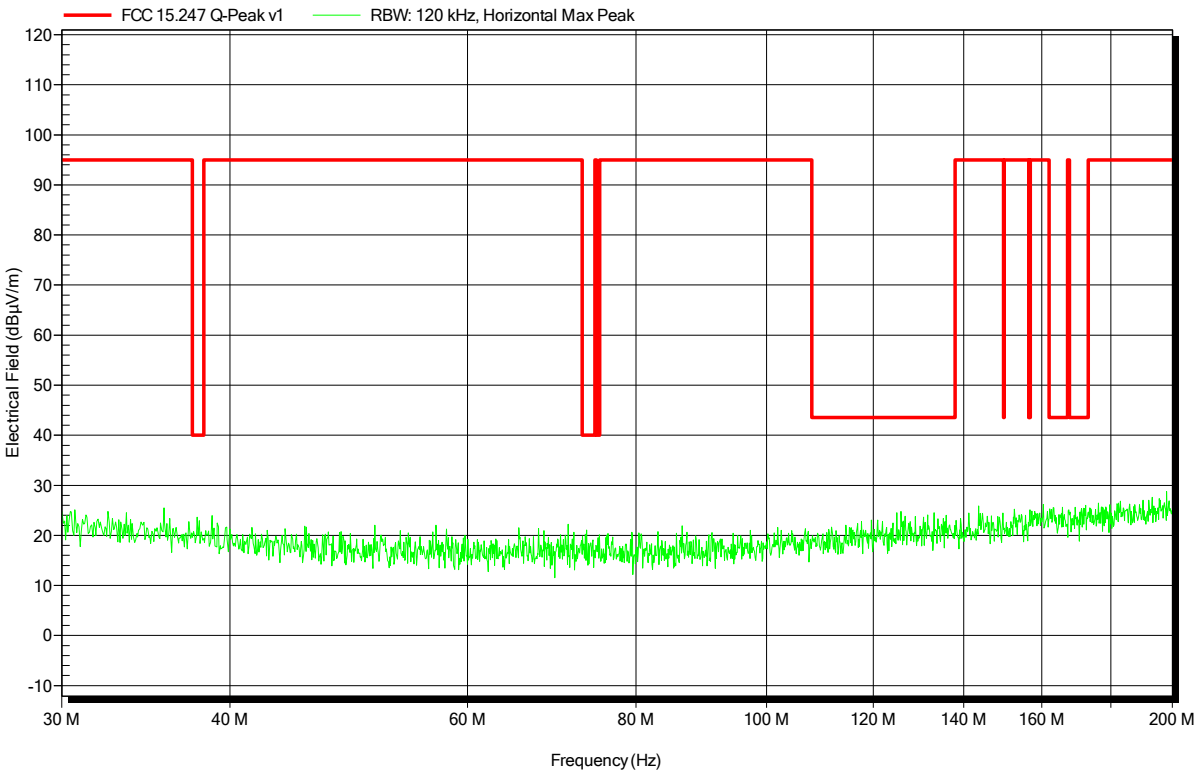

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-13
Note:	

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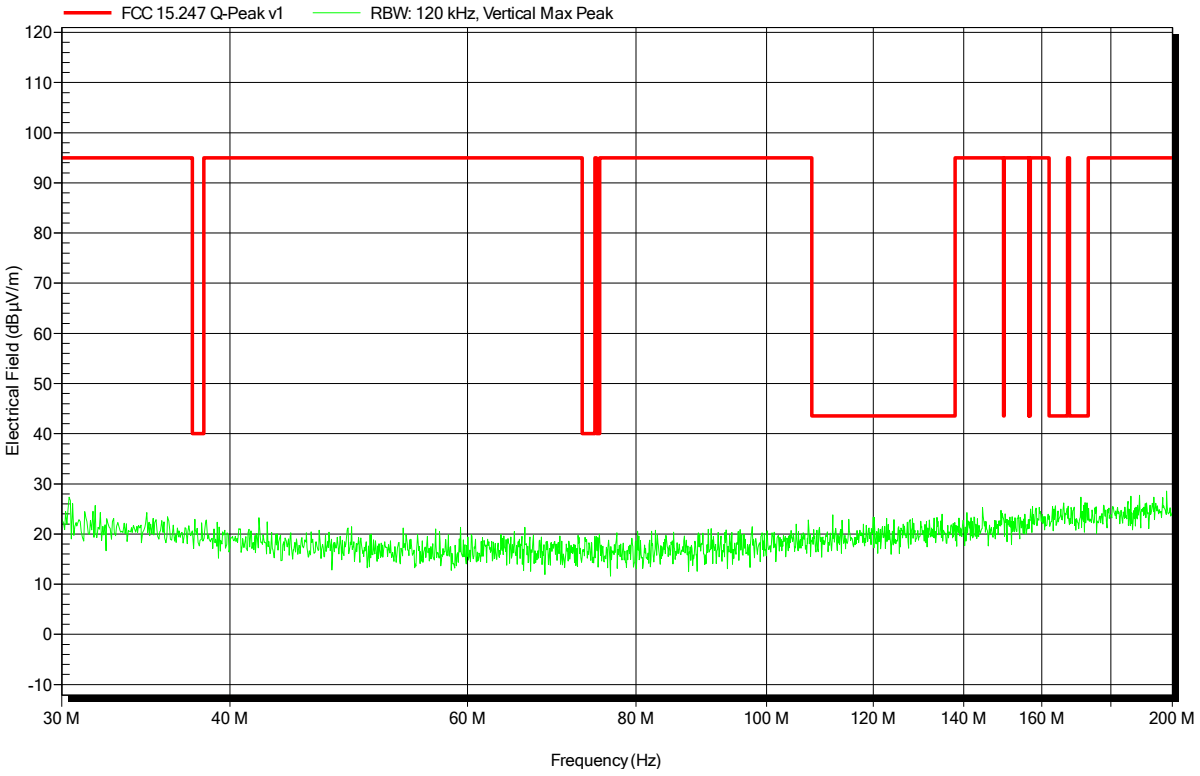

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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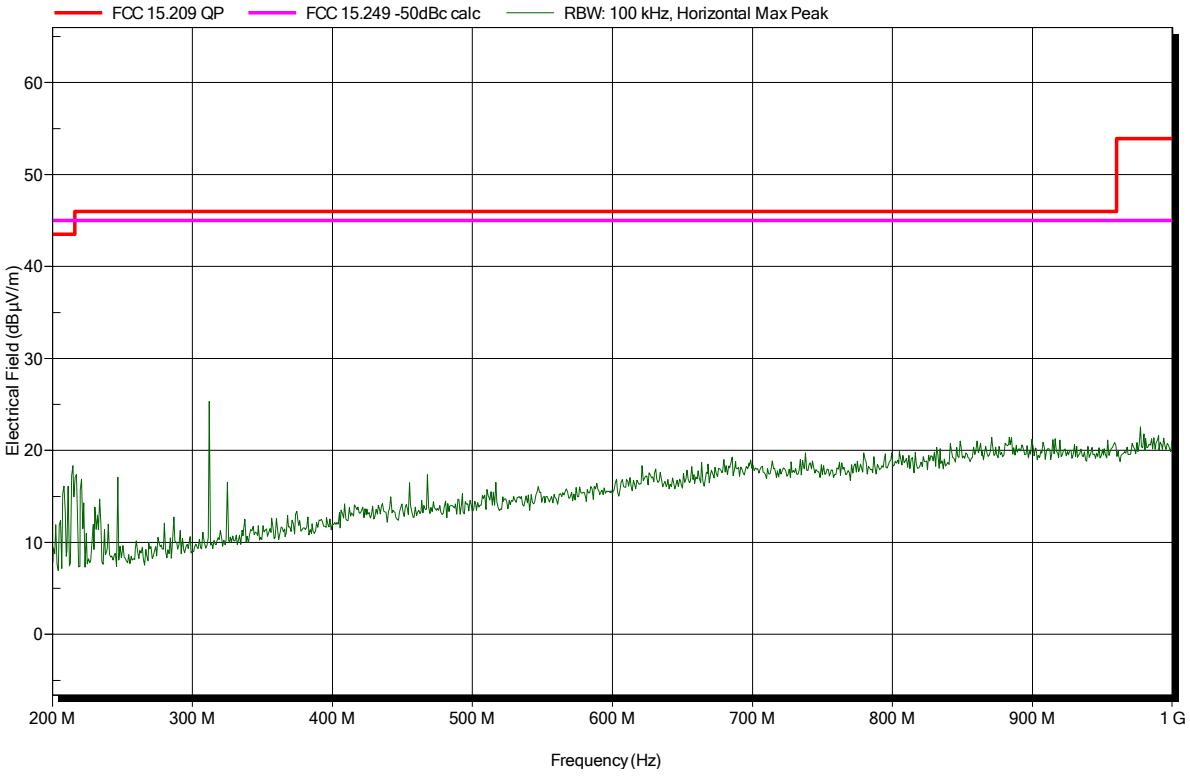

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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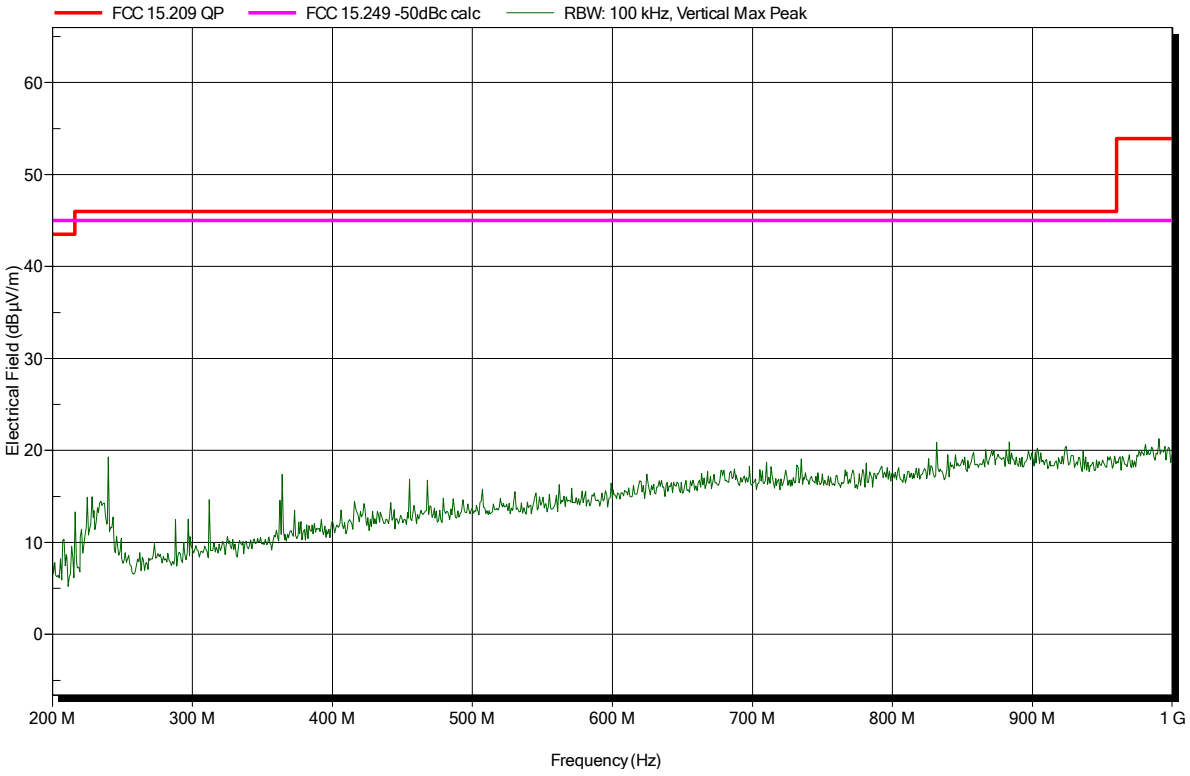

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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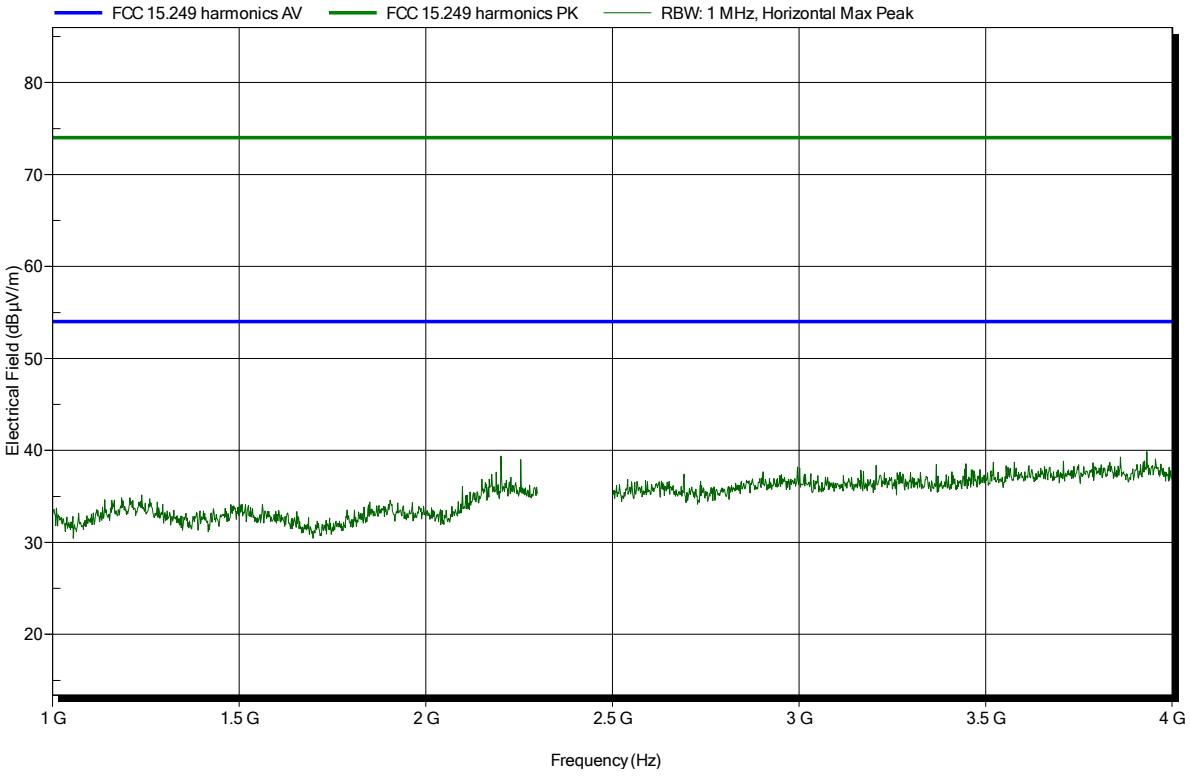

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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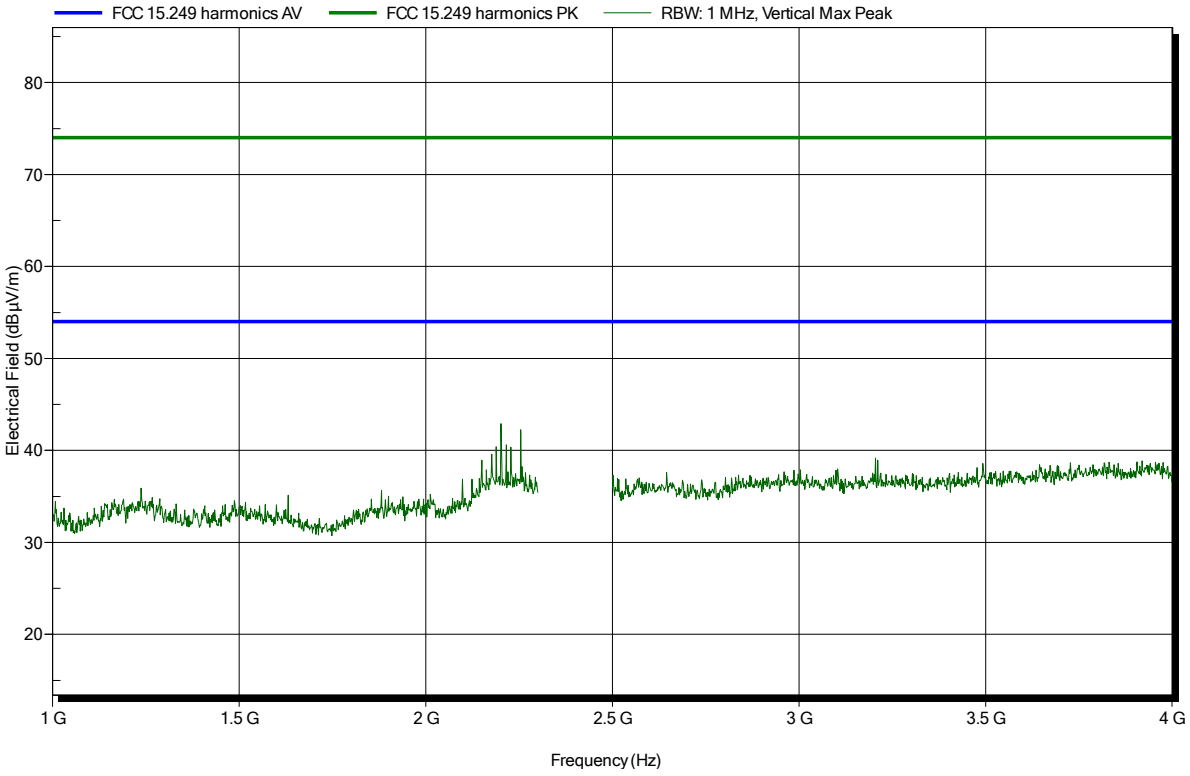

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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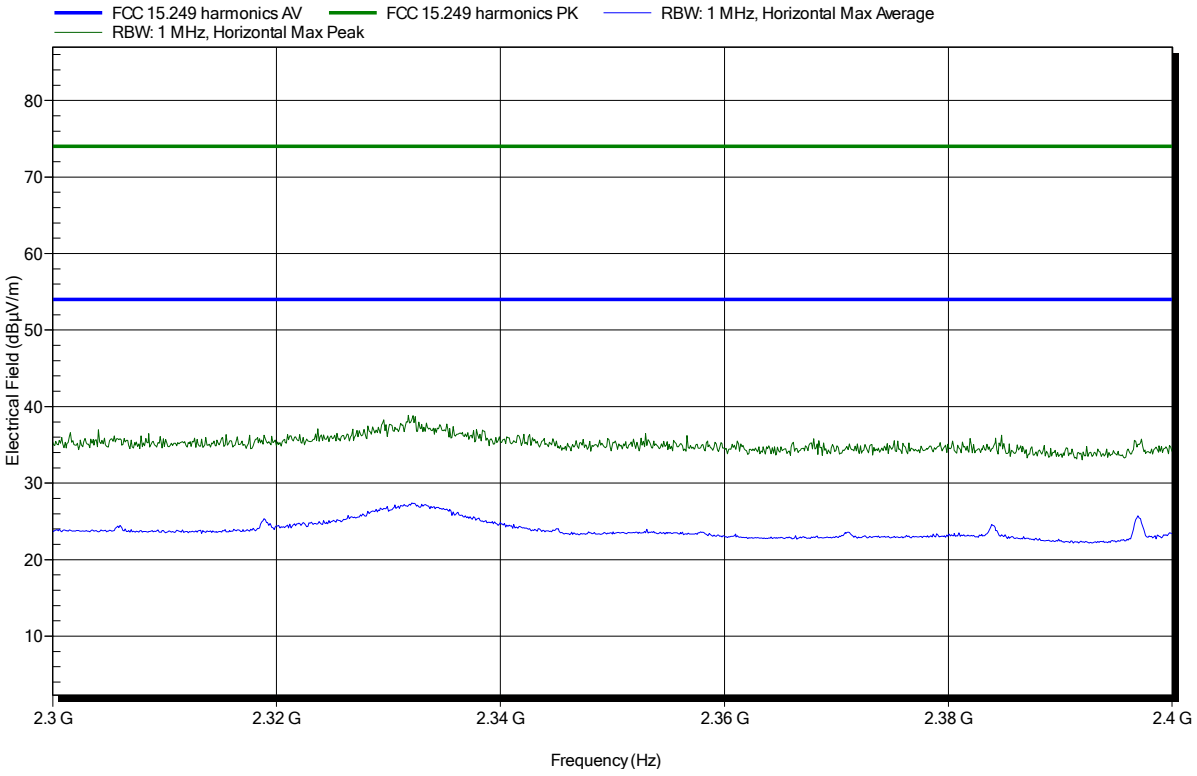

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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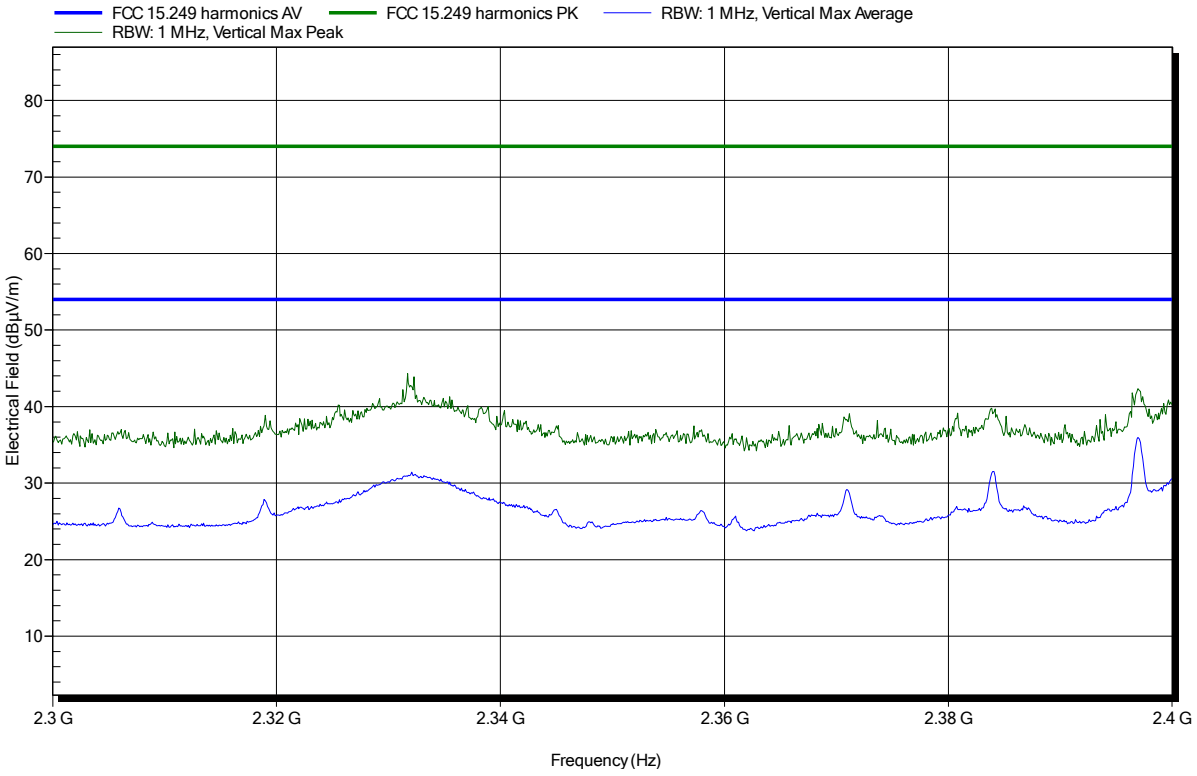

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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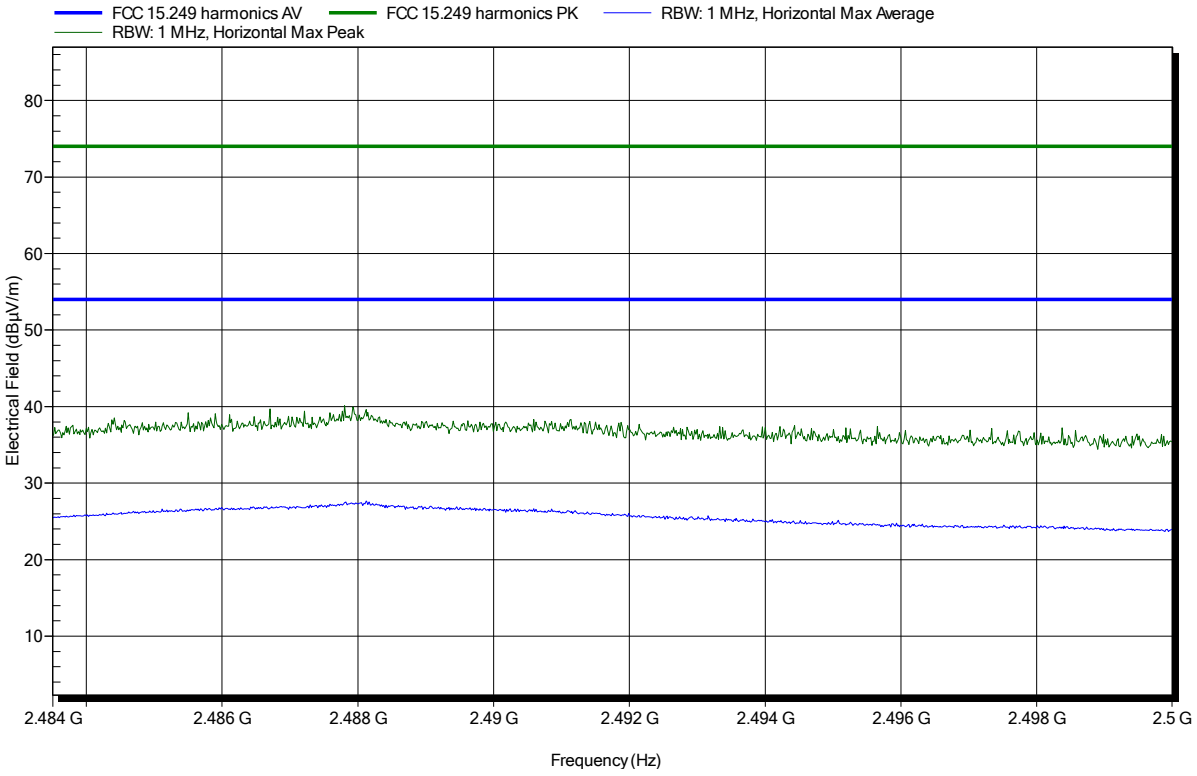

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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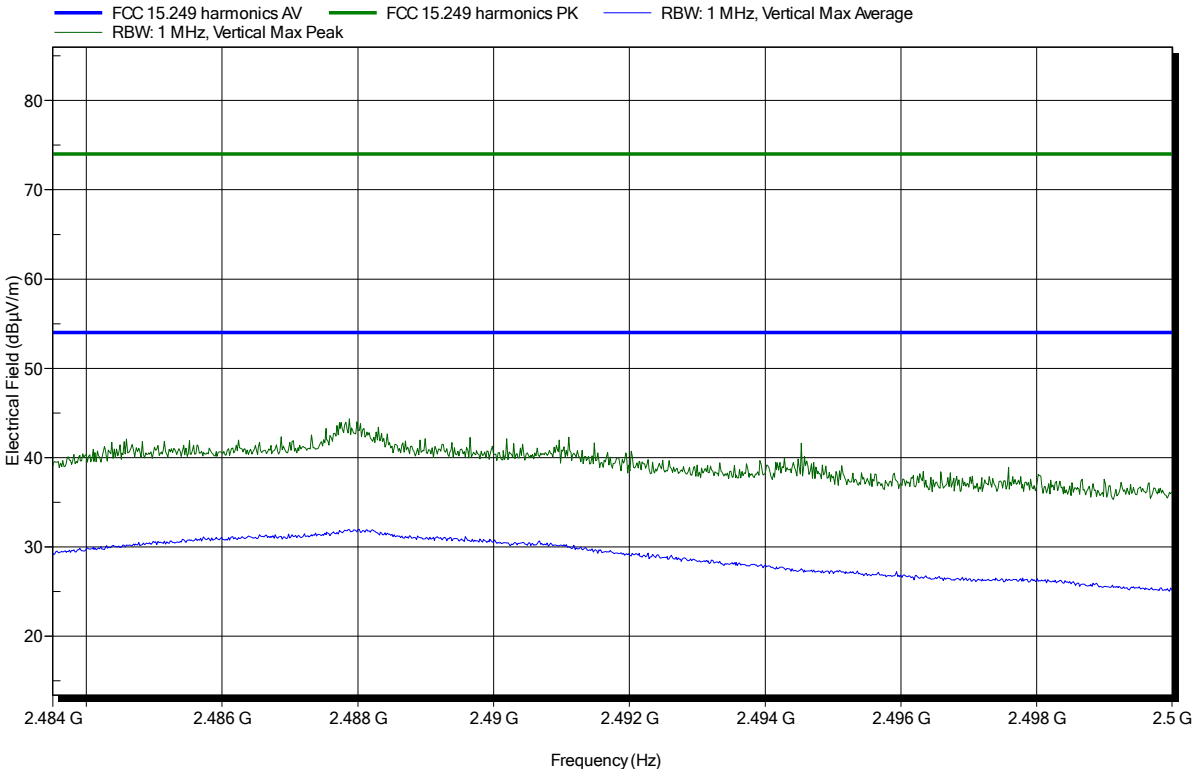

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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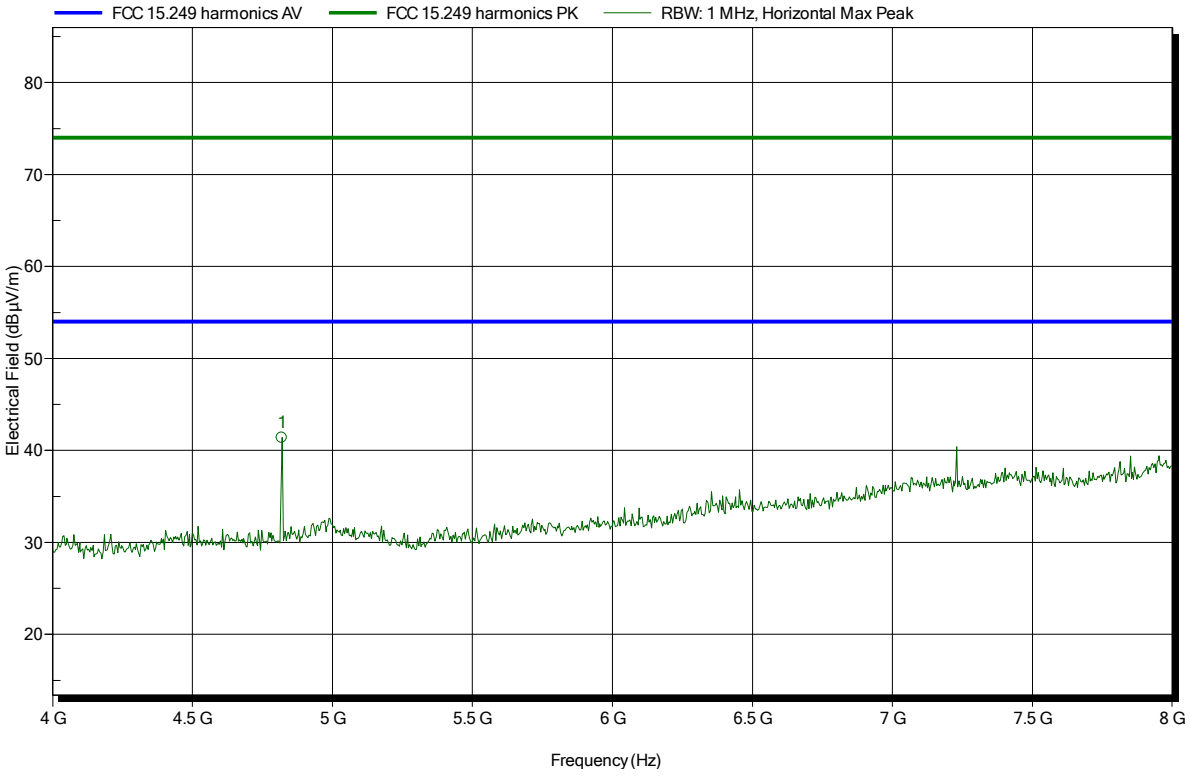

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.819 GHz	41.37 dBµV/m	74 dBµV/m	-32.63 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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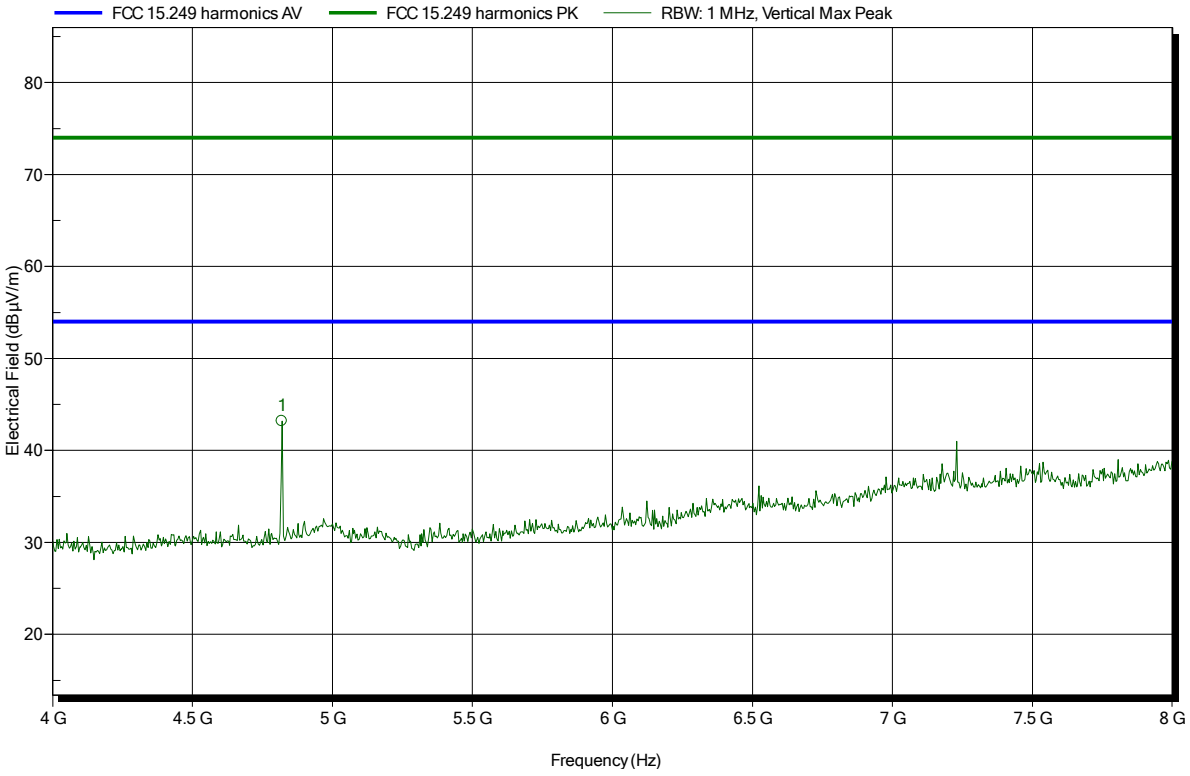

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.819 GHz	43.18 dBµV/m	74 dBµV/m	-30.82 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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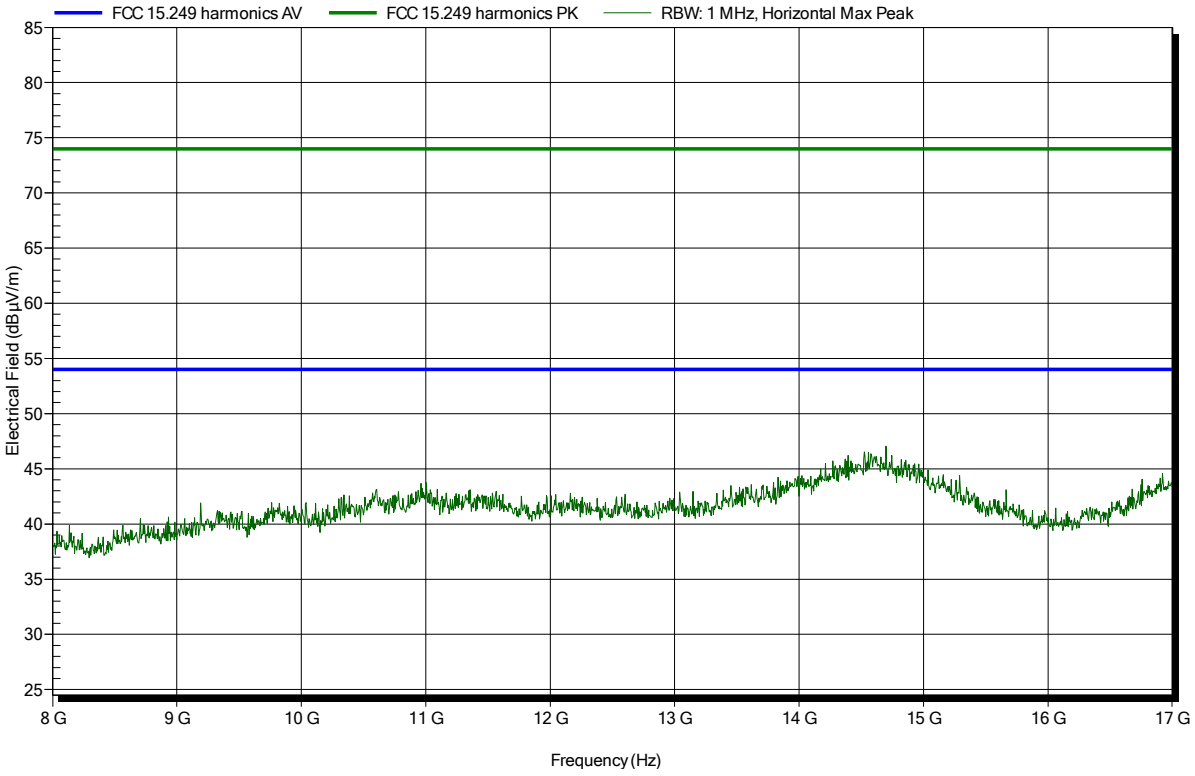

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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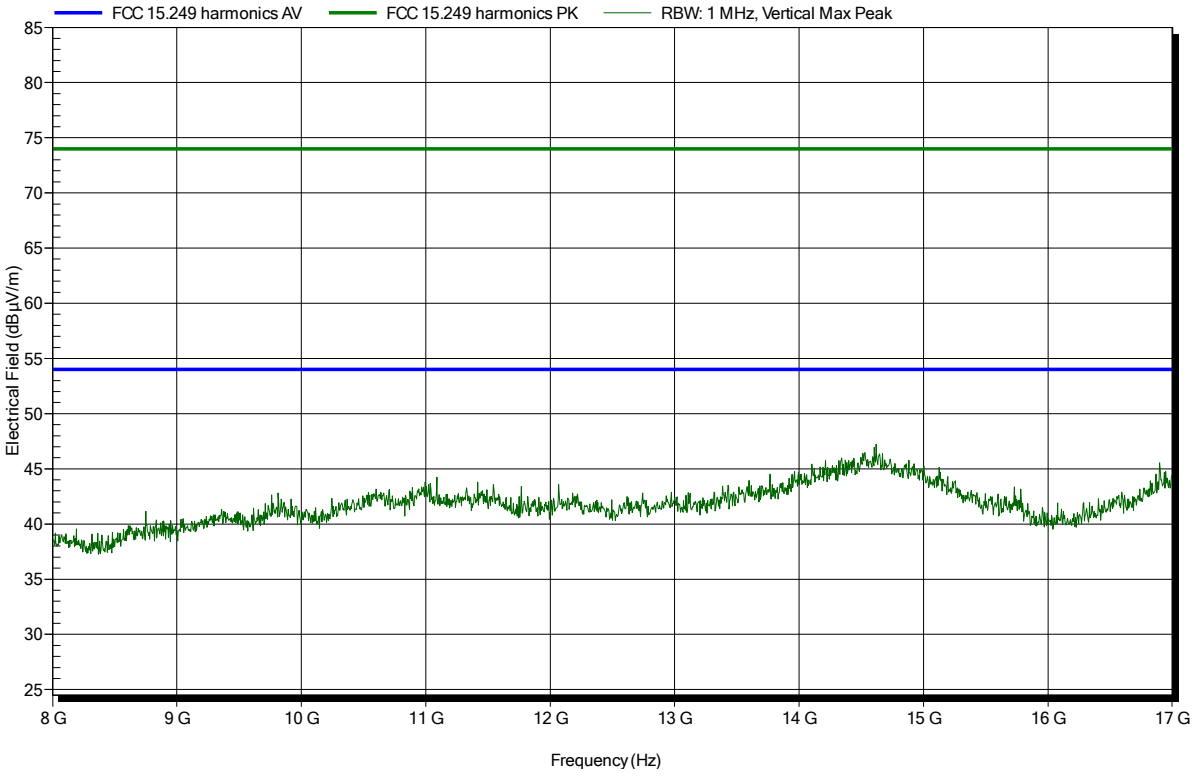

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Amplifier Research AT 4560 (old name) / ATH18G40 (new name), Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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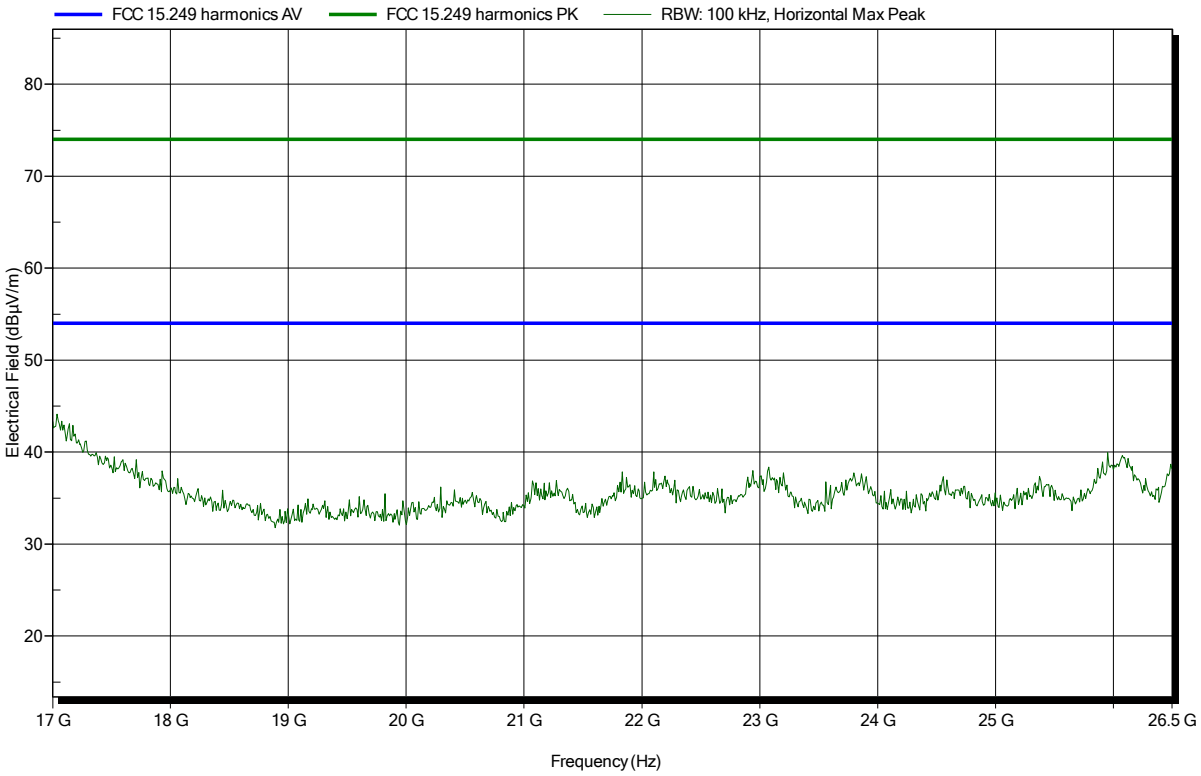

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Amplifier Research AT 4560 (old name) / ATH18G40 (new name), Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2410 MHz
Test Date:	2018-07-12
Note:	

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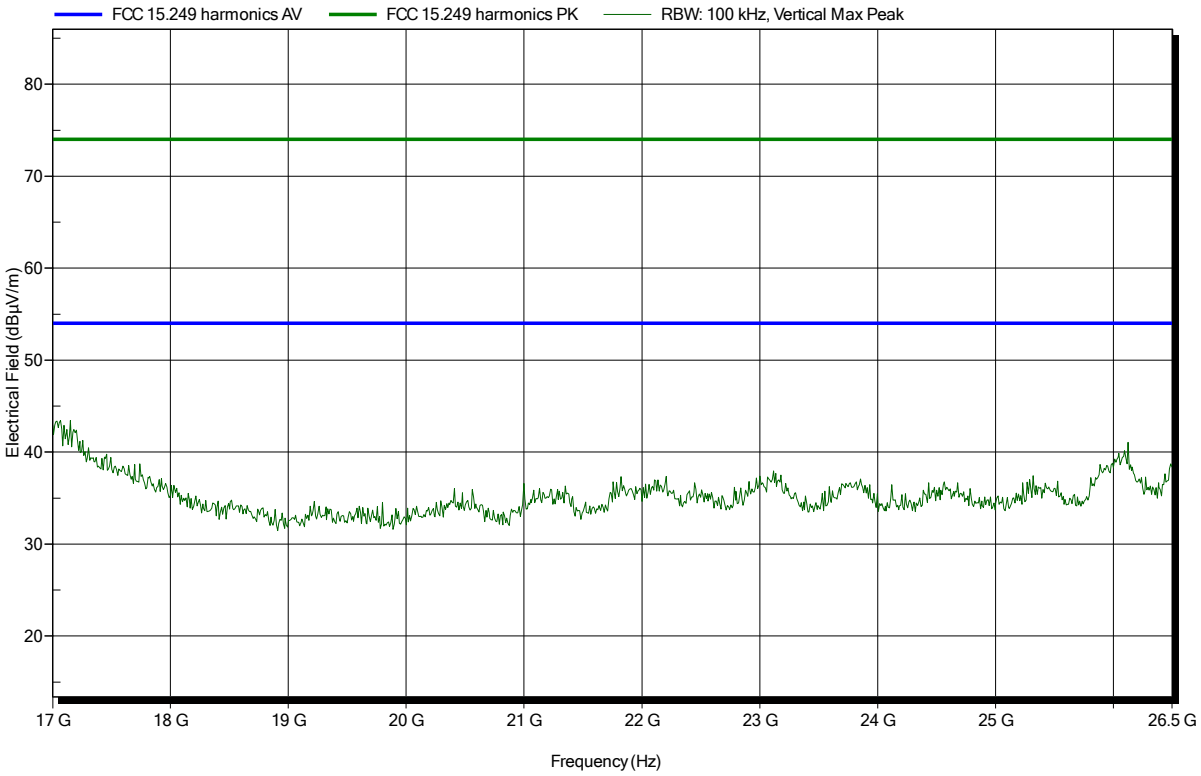

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; TX, FHSS, 2435 MHz
Test Date:	2018-07-13
Note:	

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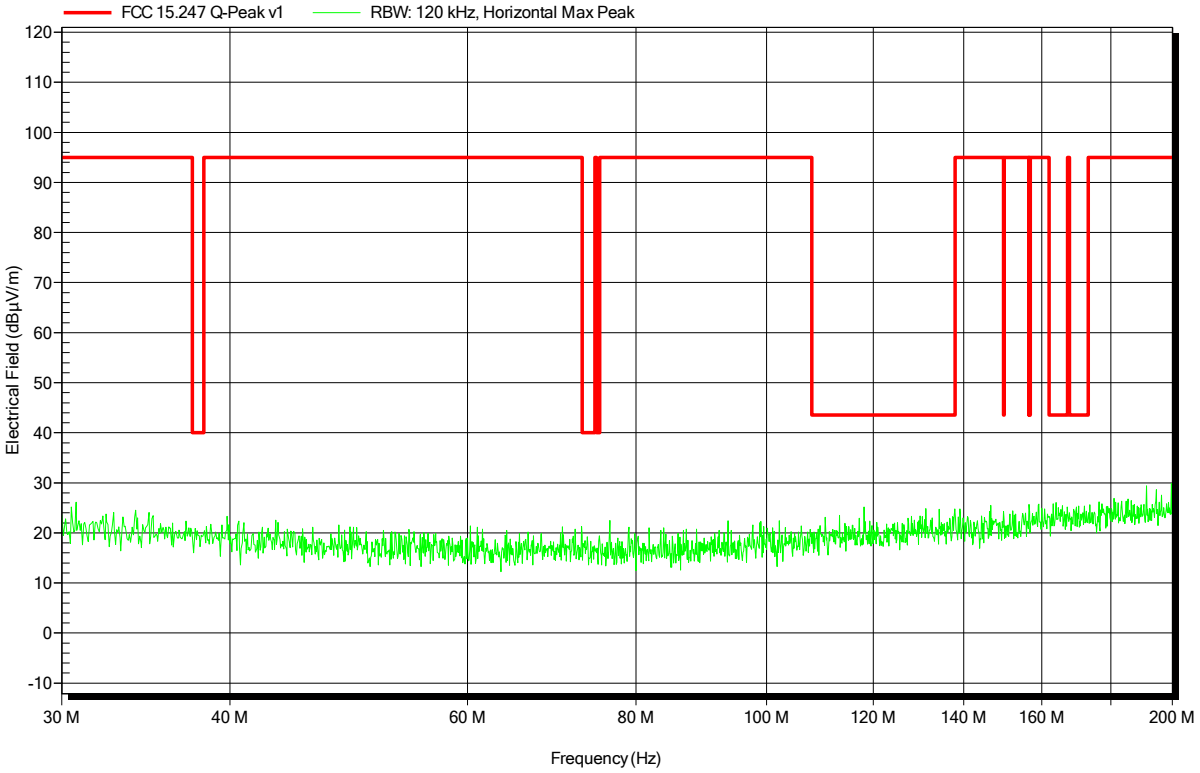

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; TX, FHSS, 2435 MHz
Test Date:	2018-07-13
Note:	

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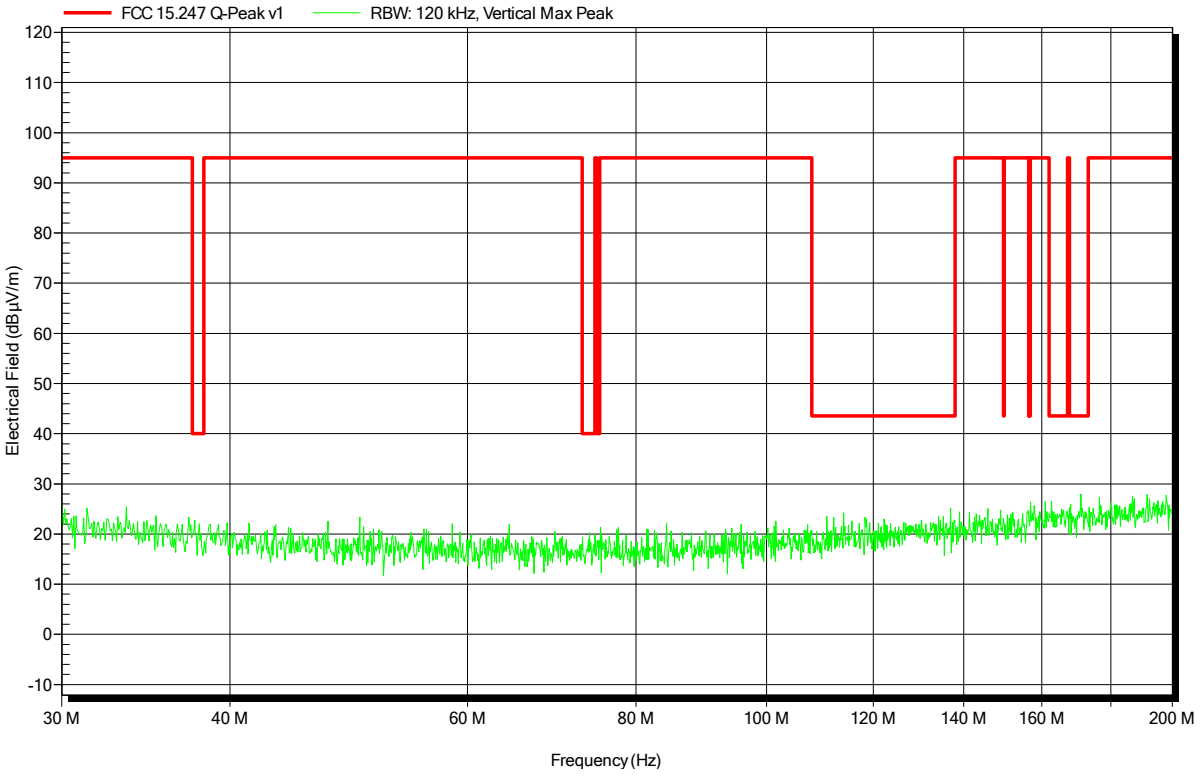

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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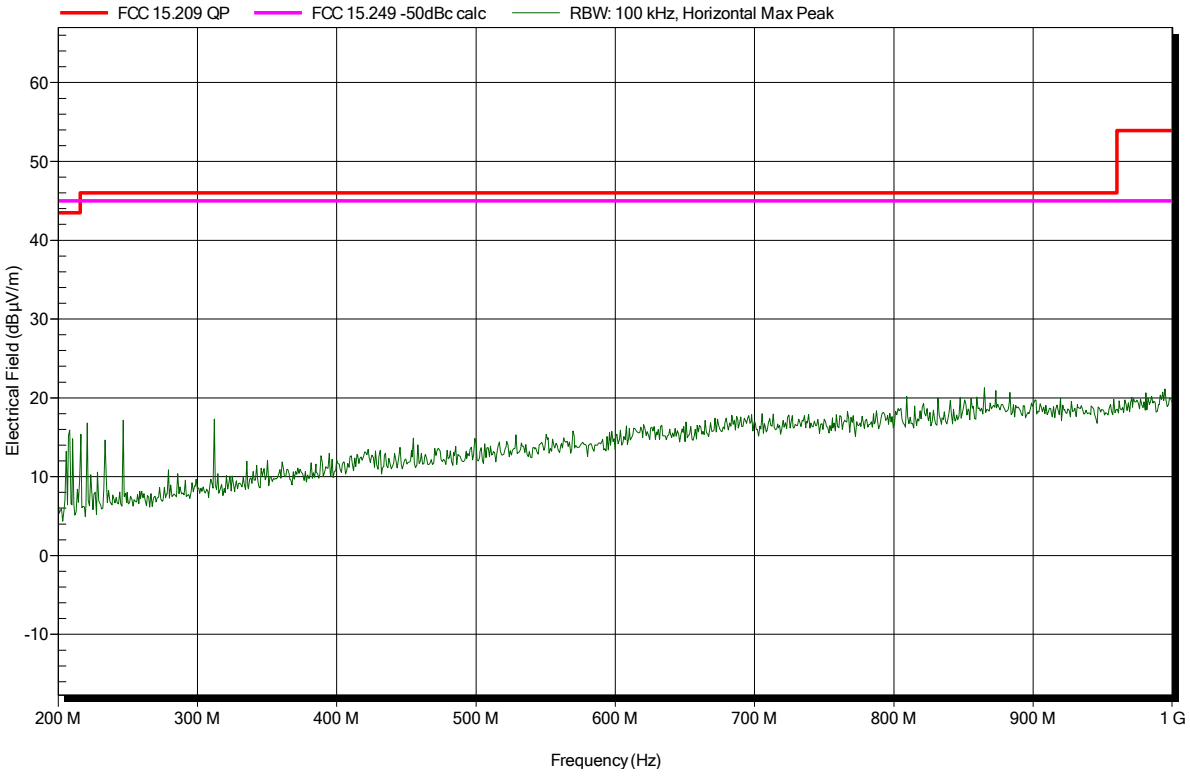

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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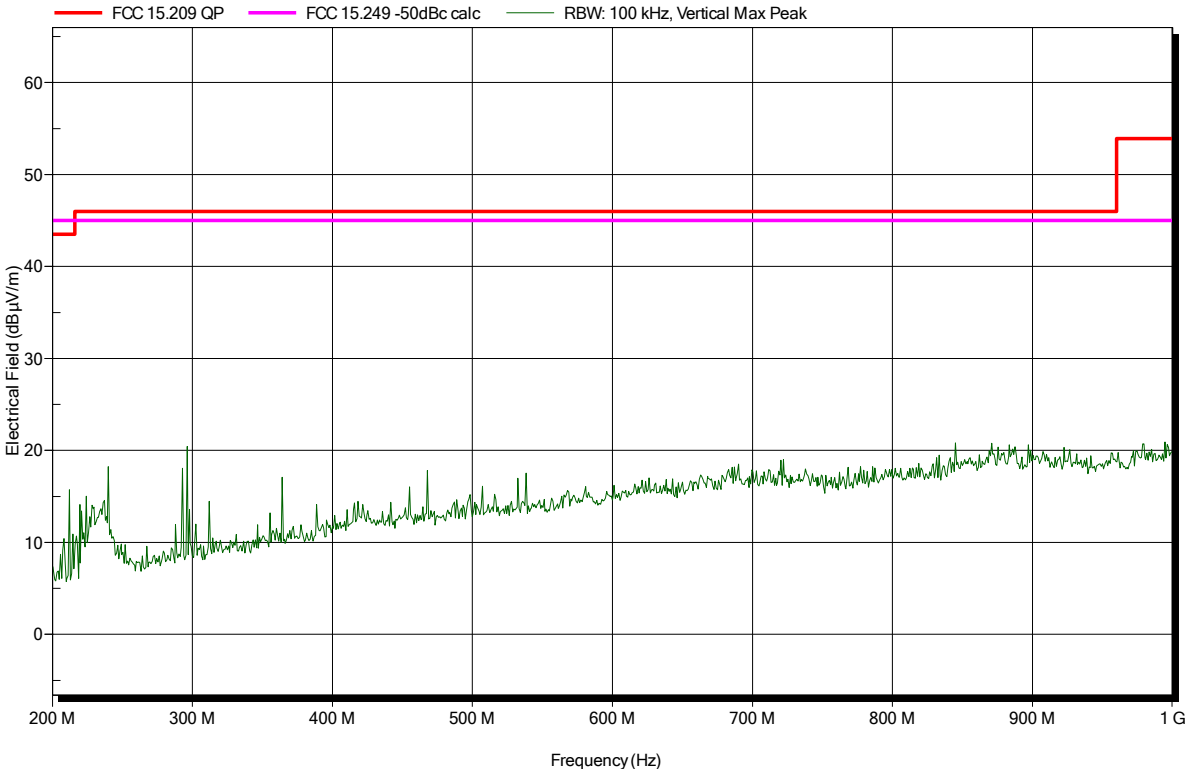

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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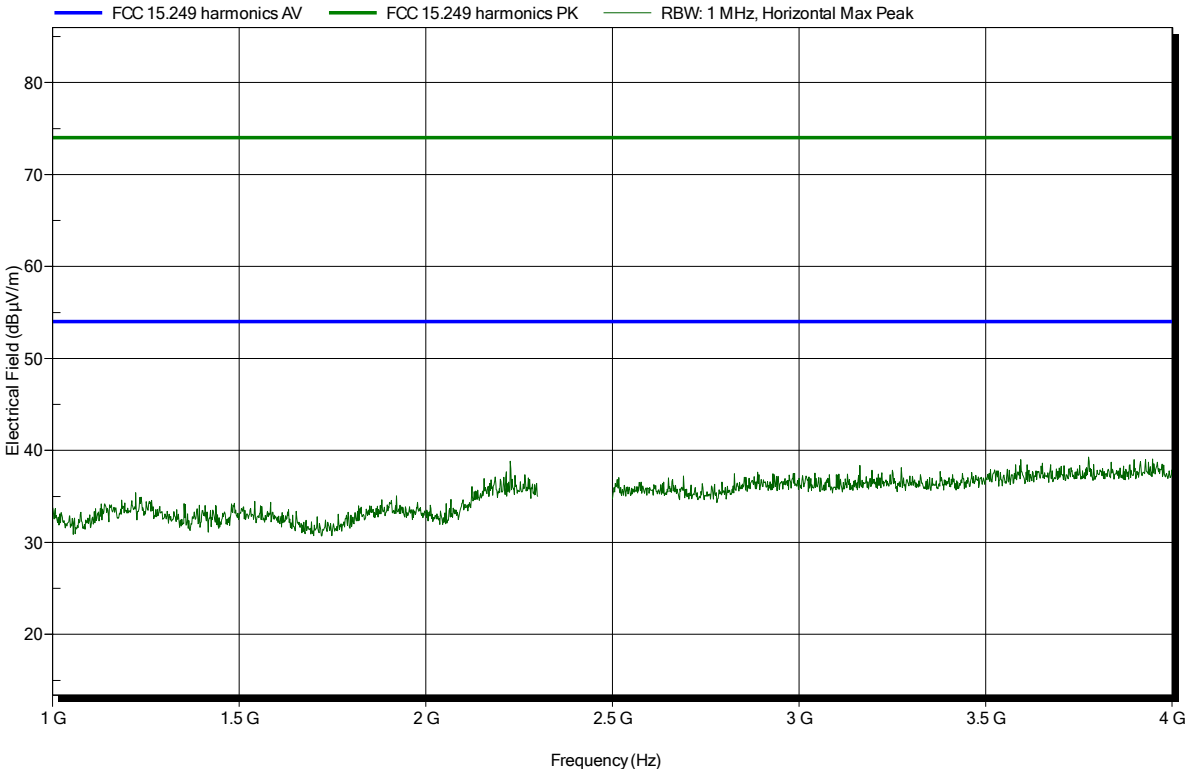

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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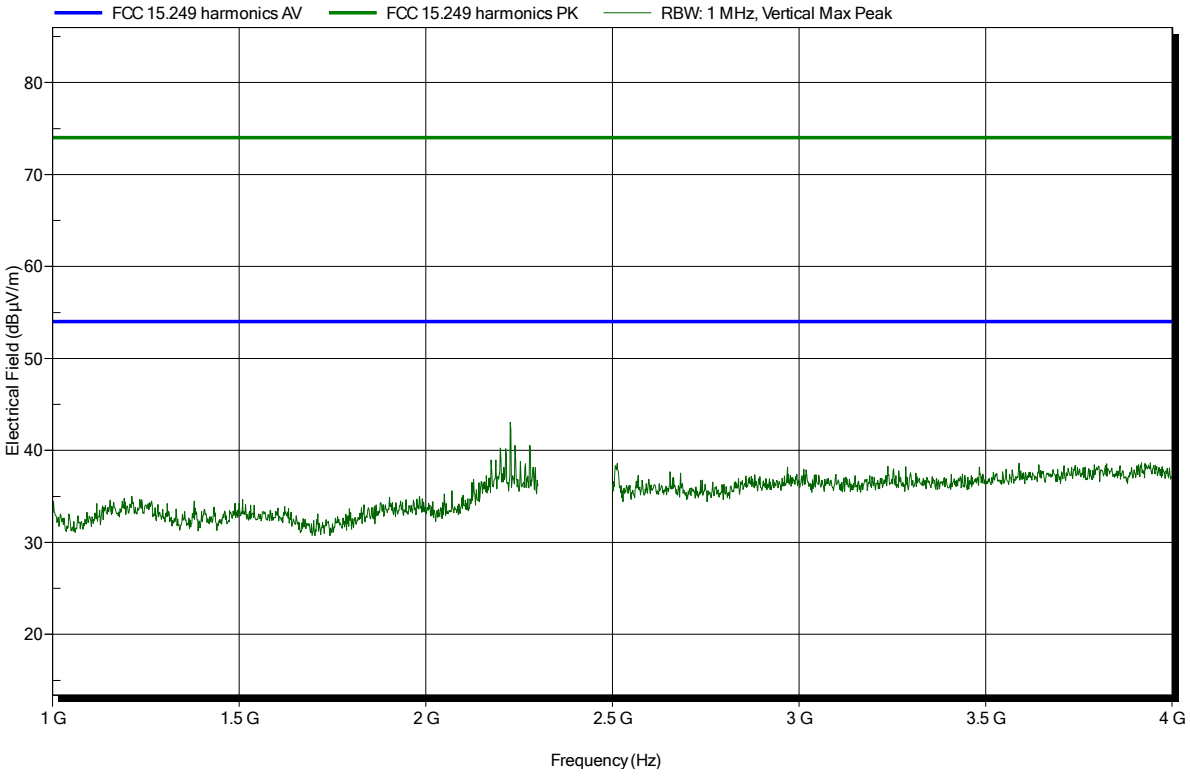

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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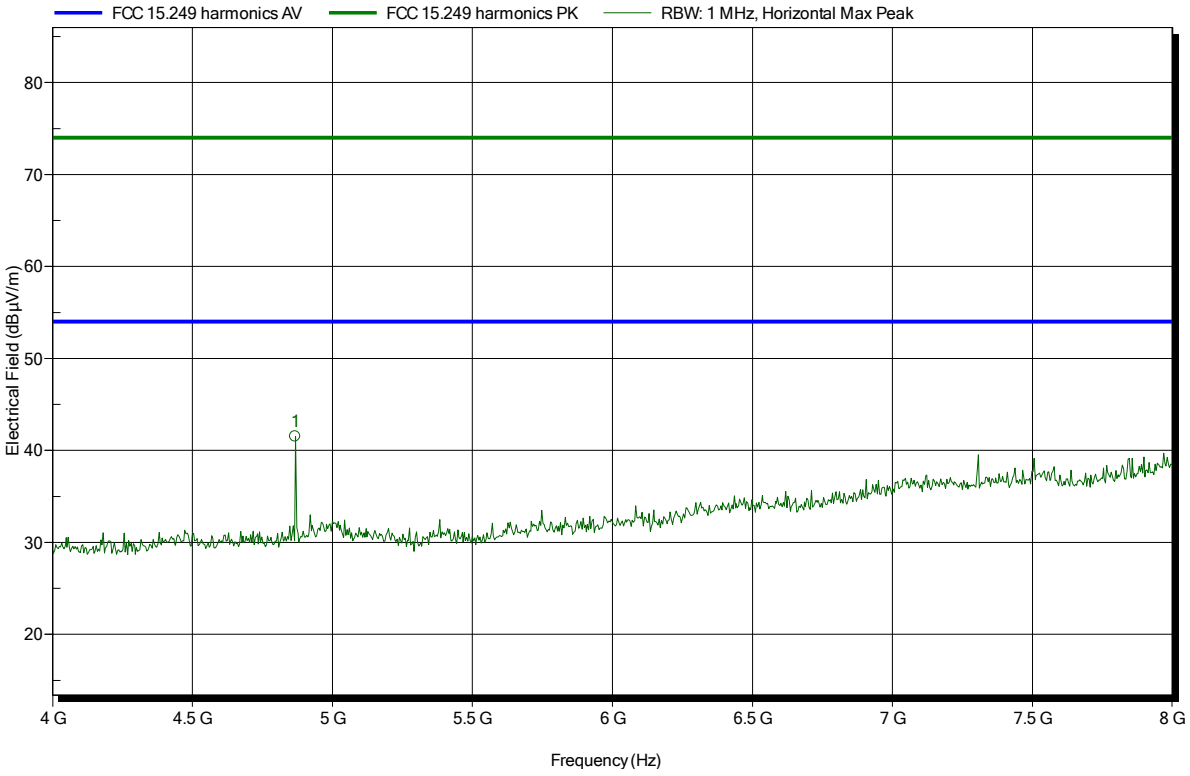

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.867 GHz	41.52 dBµV/m	74 dBµV/m	-32.48 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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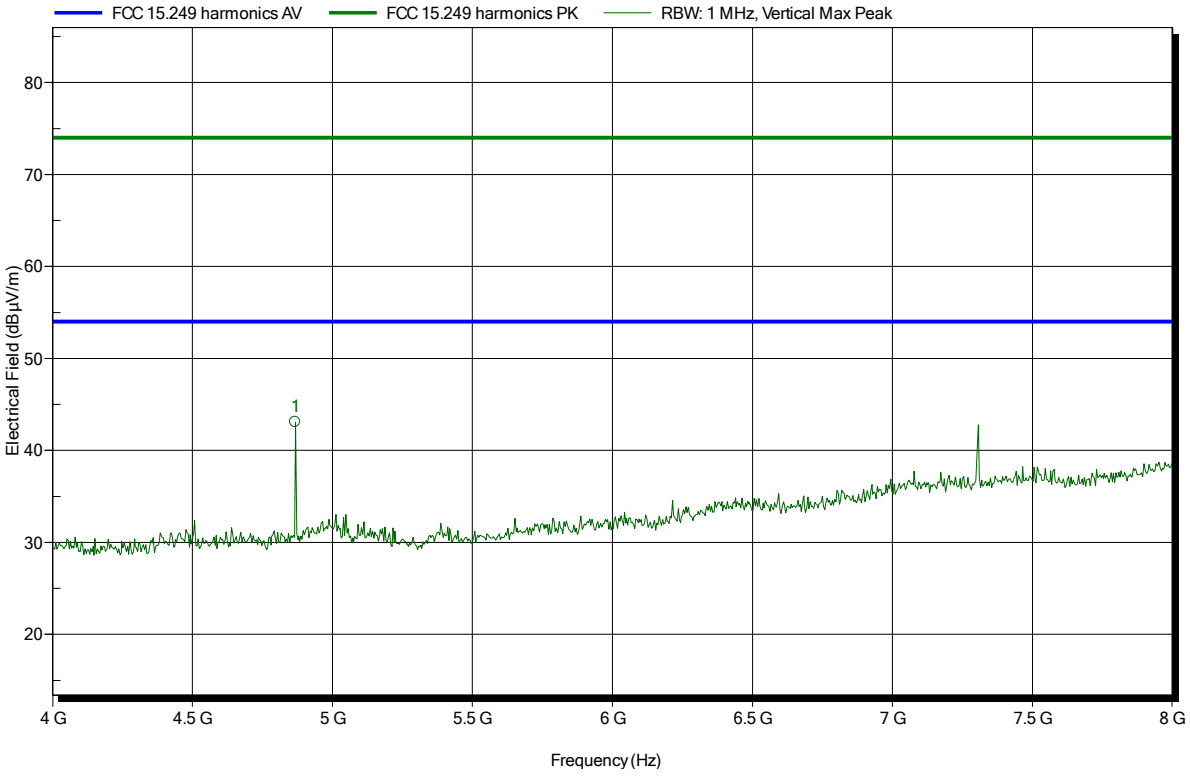

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.867 GHz	43.09 dBµV/m	74 dBµV/m	-30.91 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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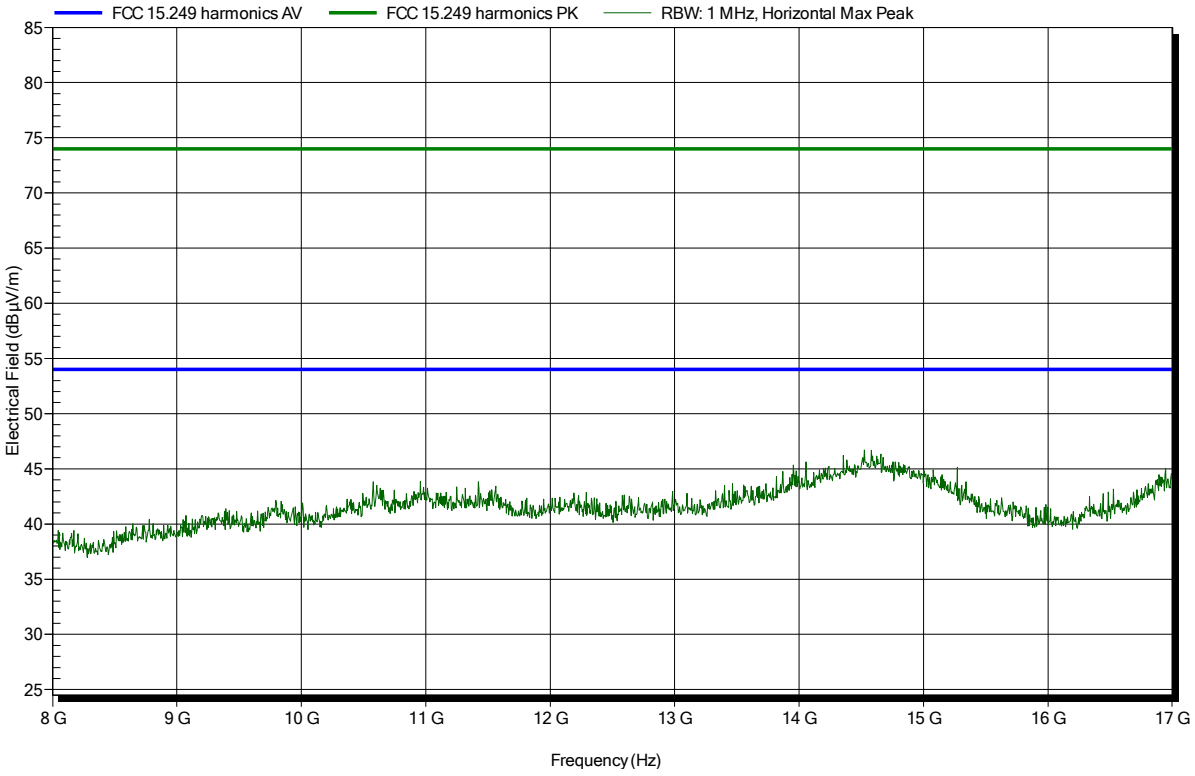

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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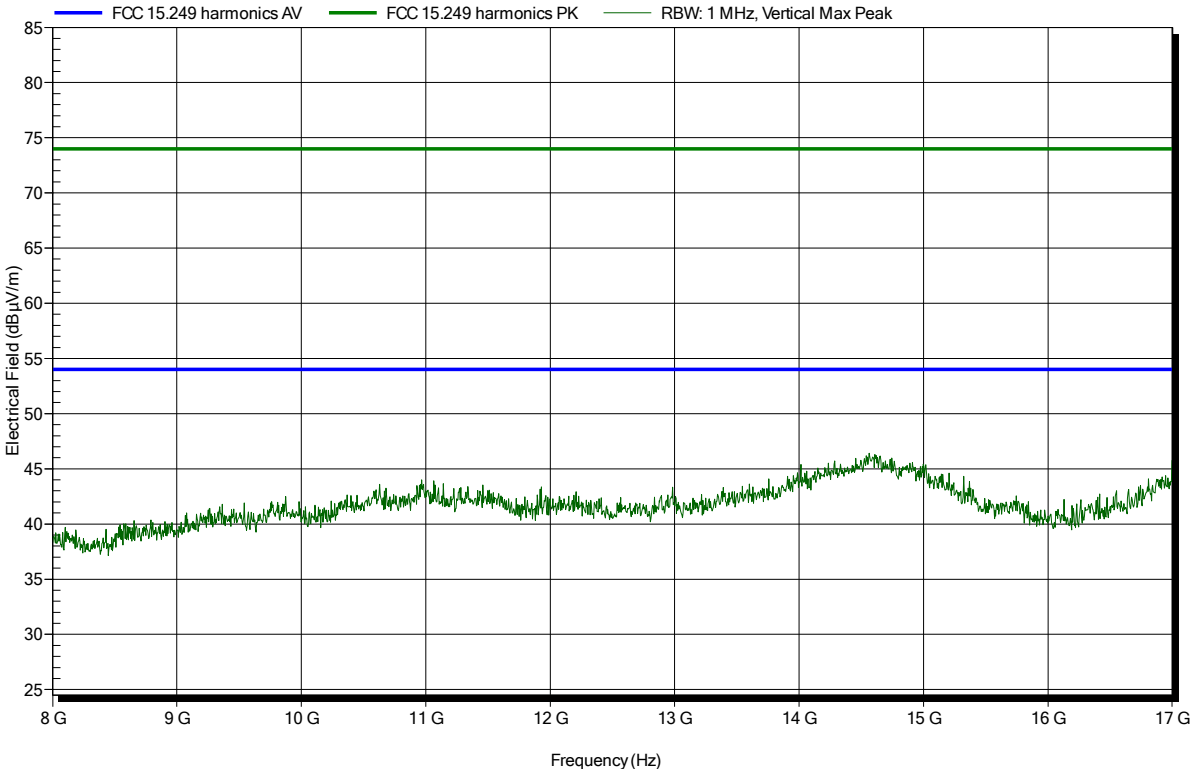

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Amplifier Research AT 4560 (old name) / ATH18G40 (new name), Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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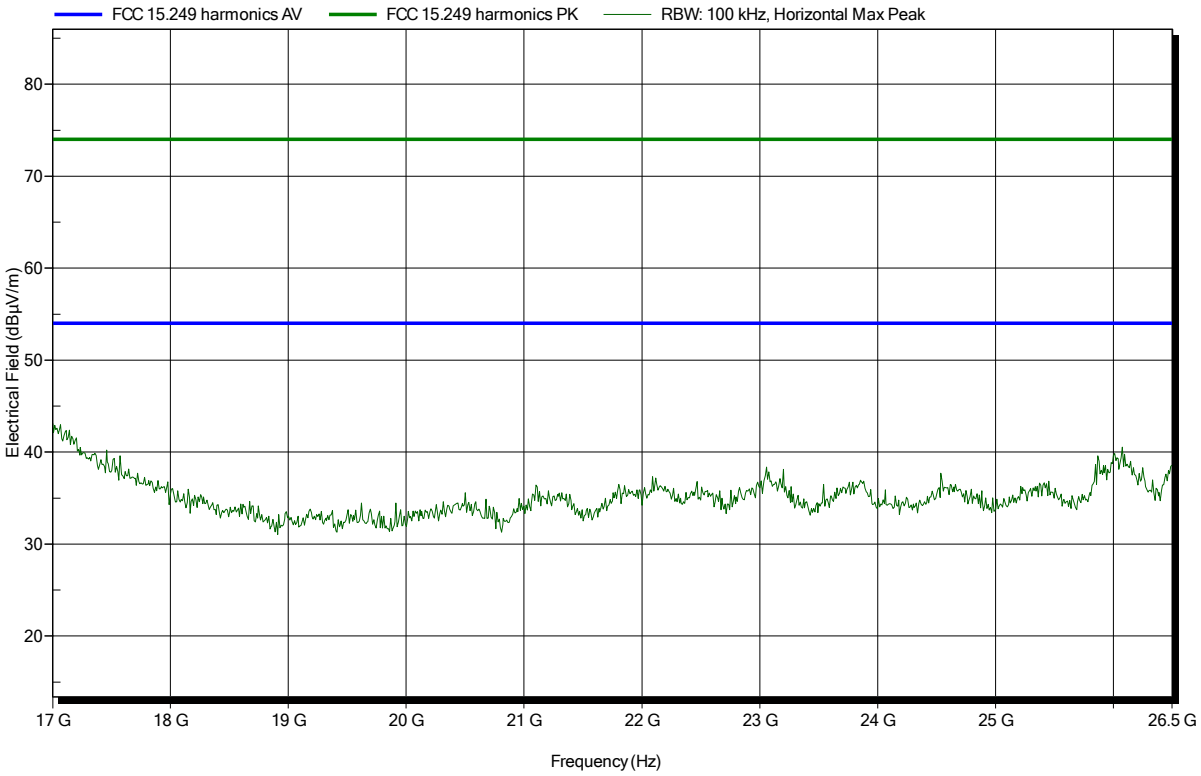

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Amplifier Research AT 4560 (old name) / ATH18G40 (new name), Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2435 MHz
Test Date:	2018-07-12
Note:	

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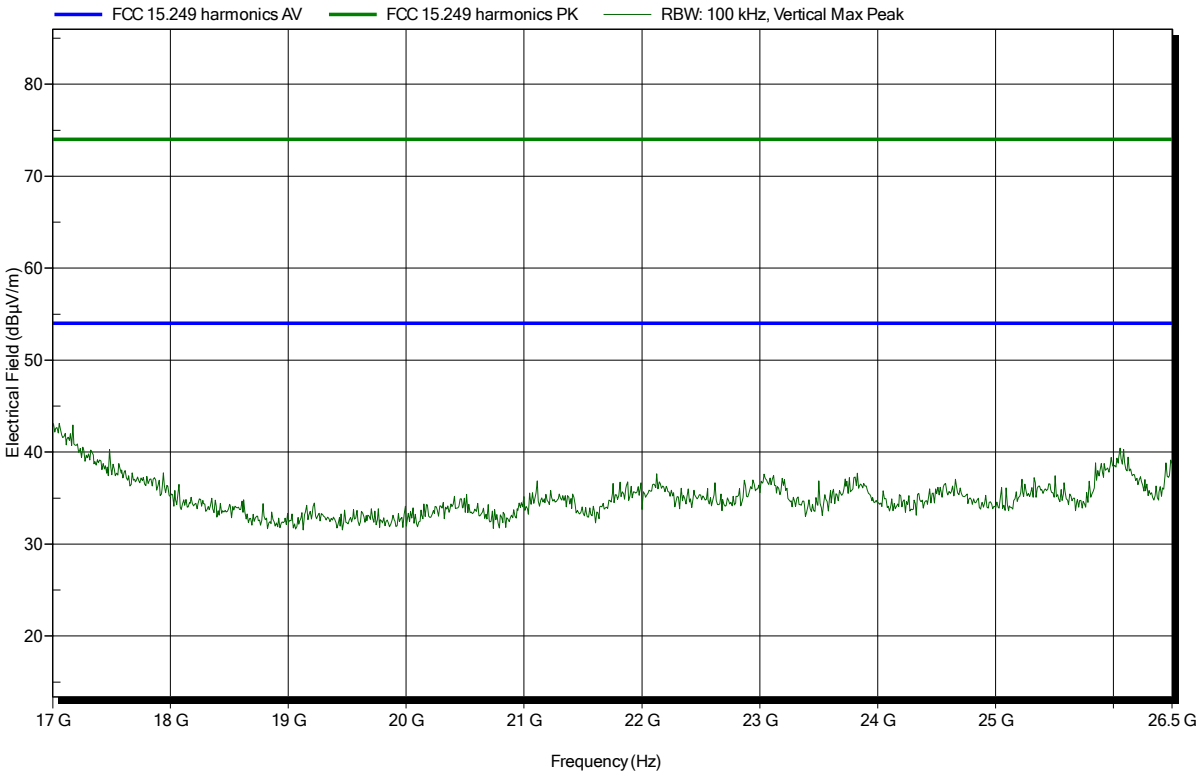

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Remote Control for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-13
Note:	

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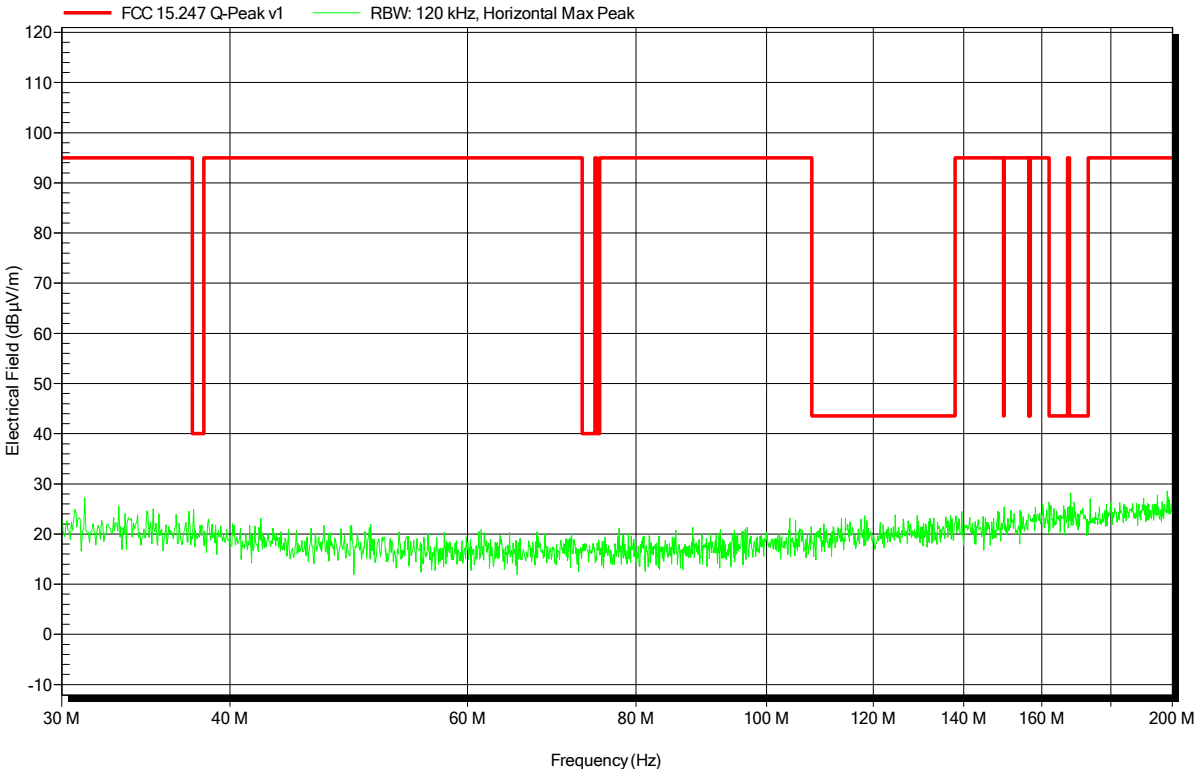

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Remote Control for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-13
Note:	

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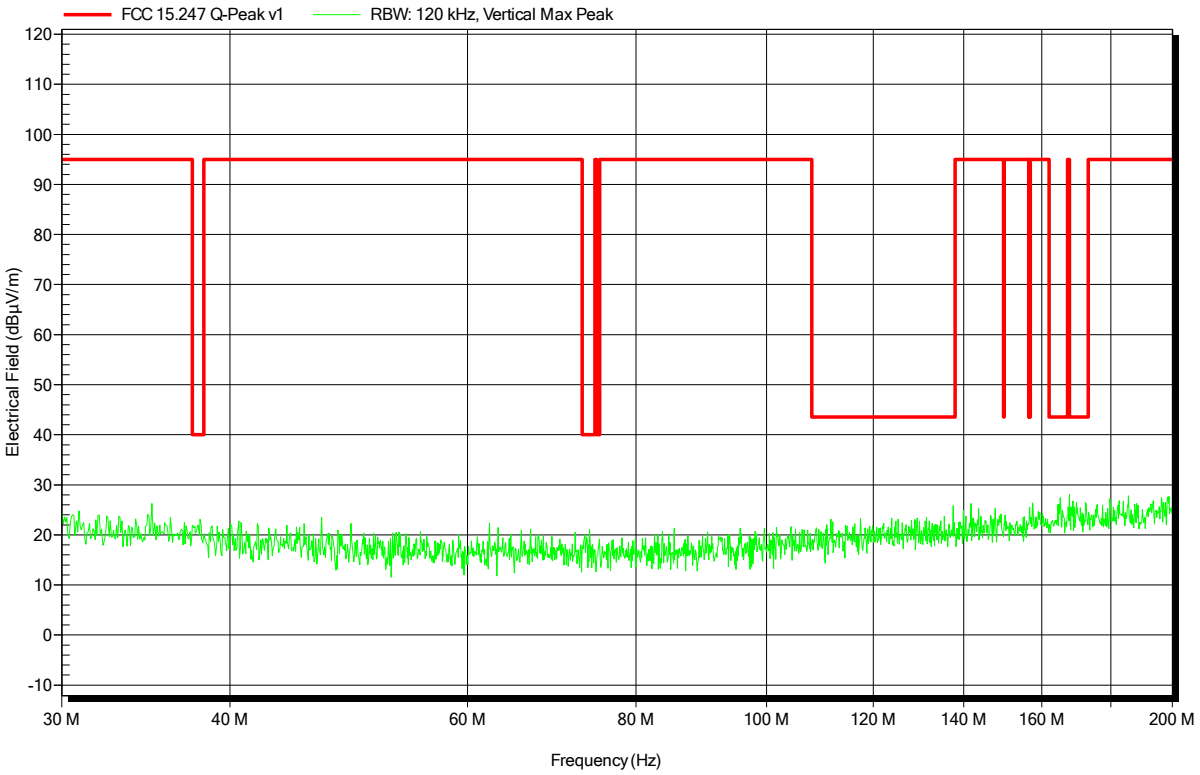

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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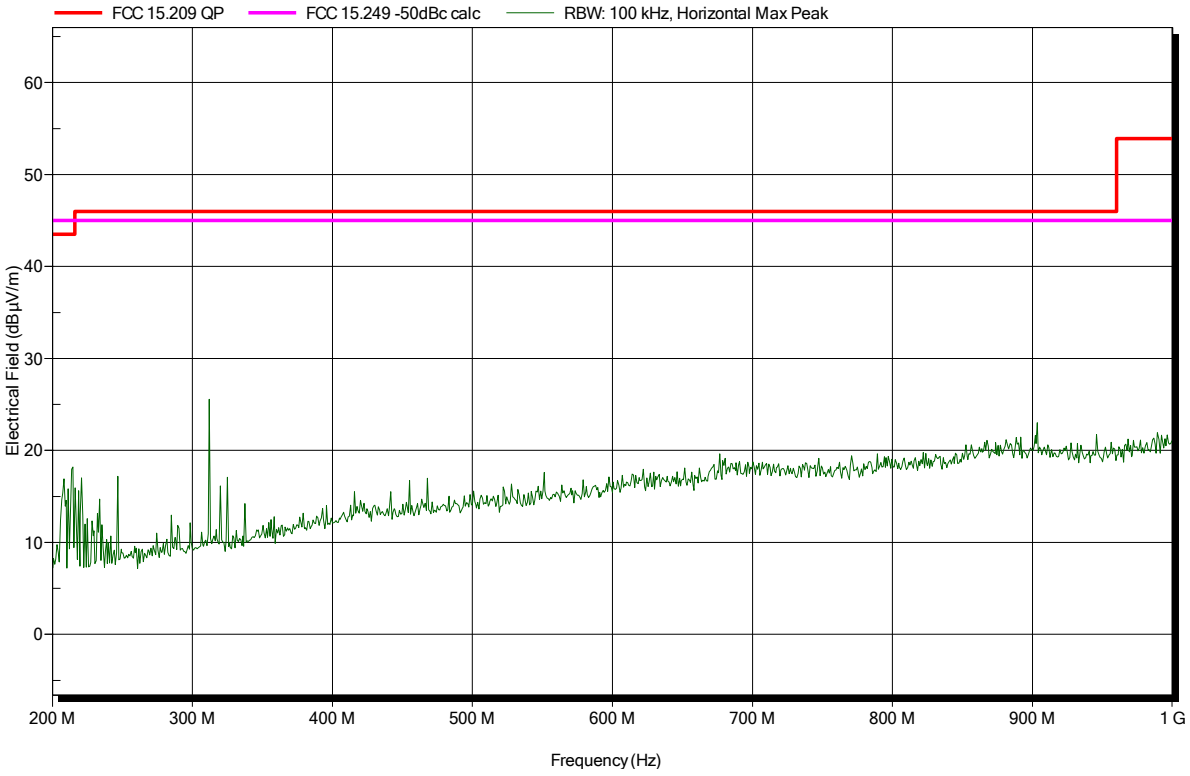

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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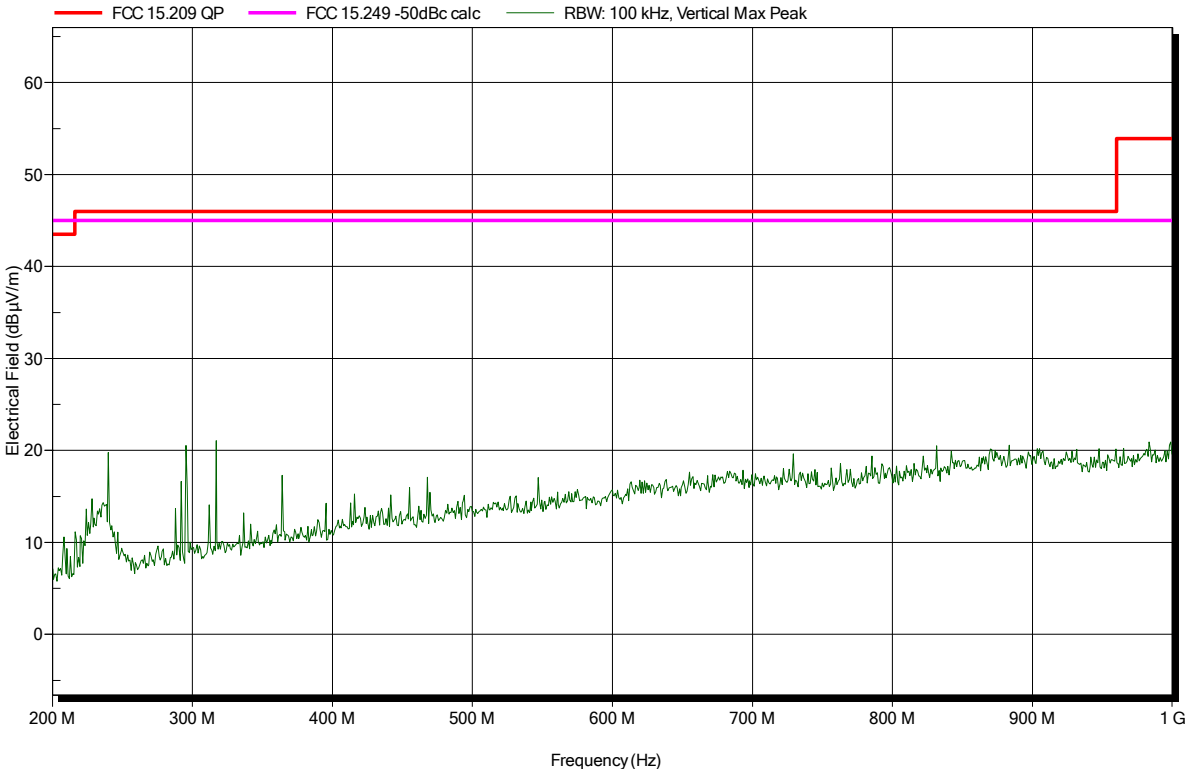

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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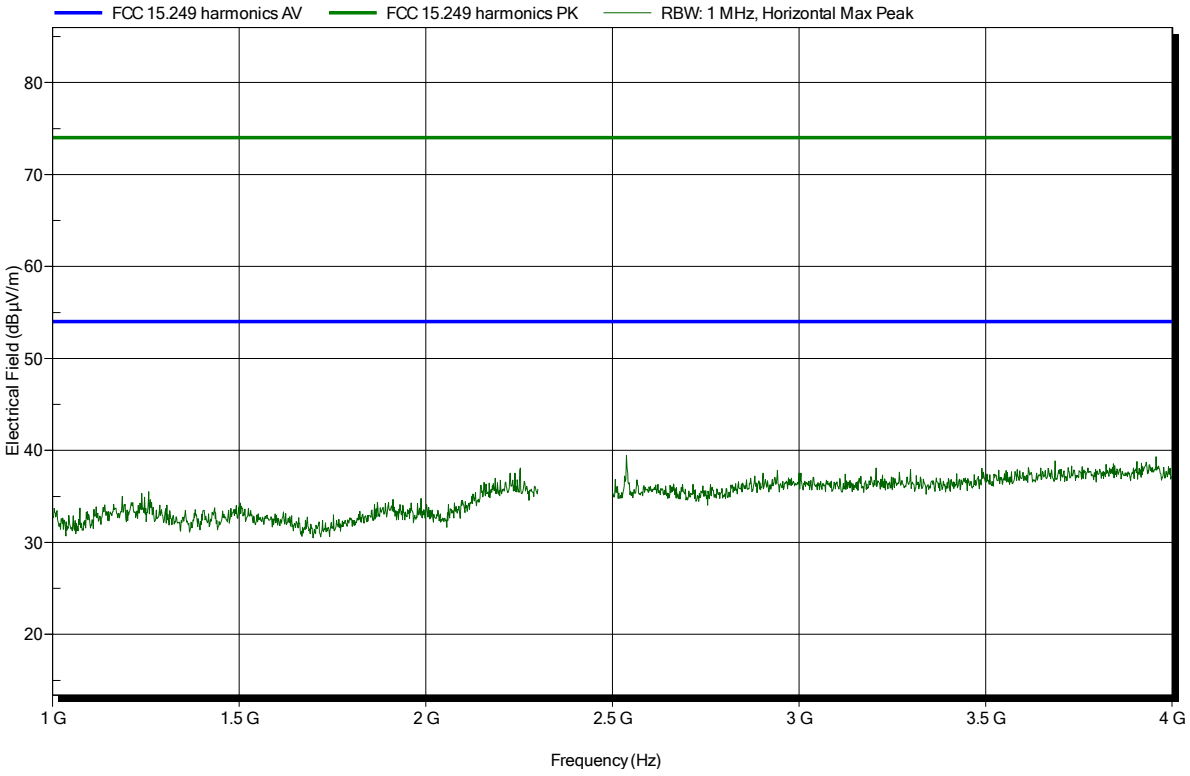

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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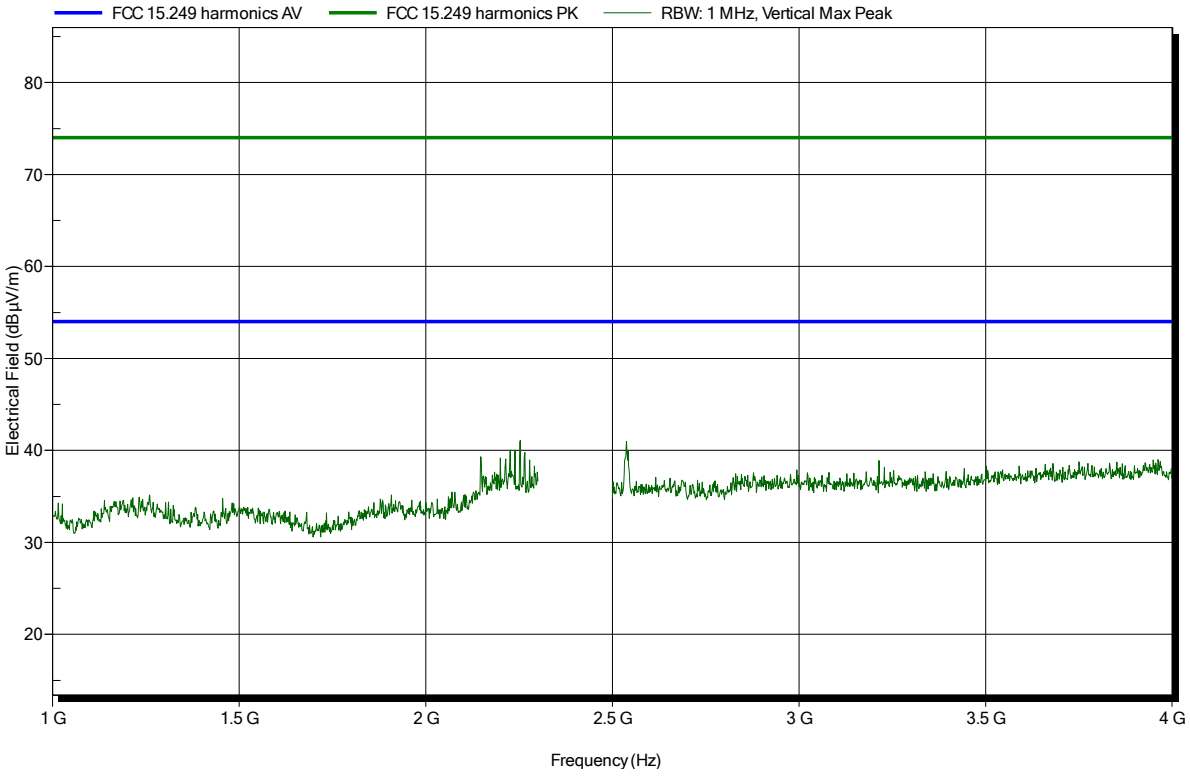

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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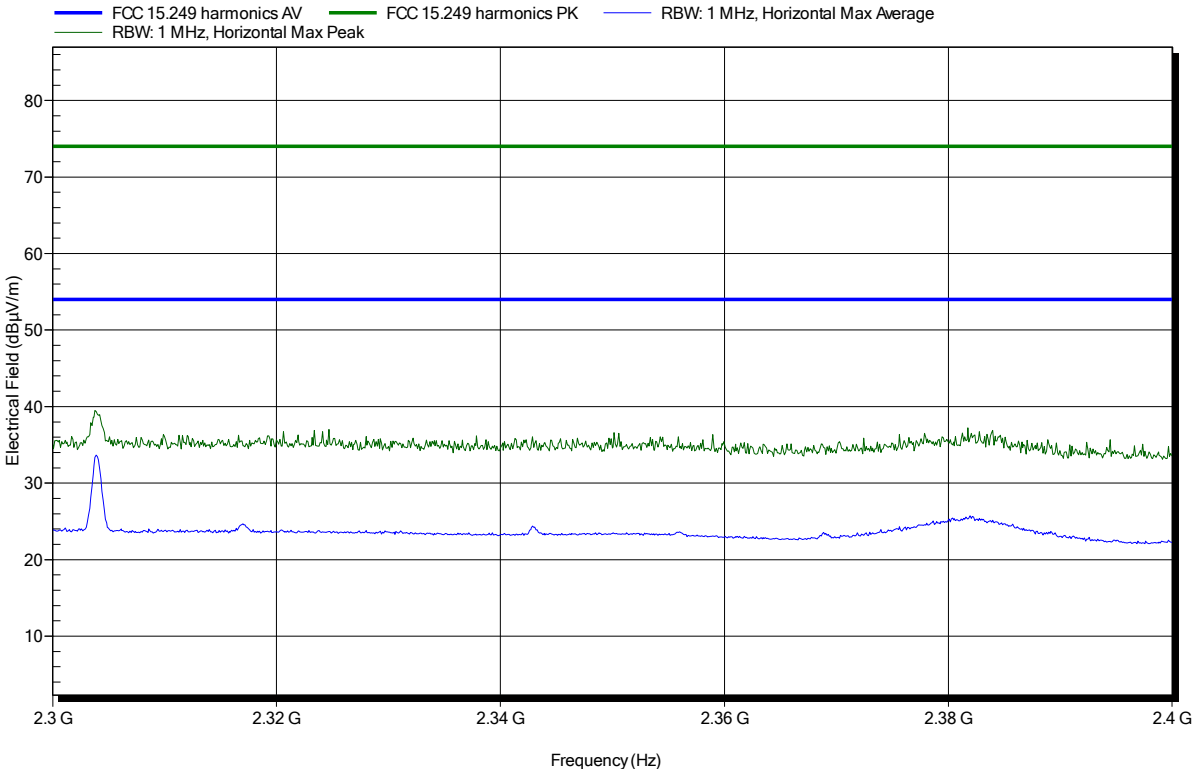

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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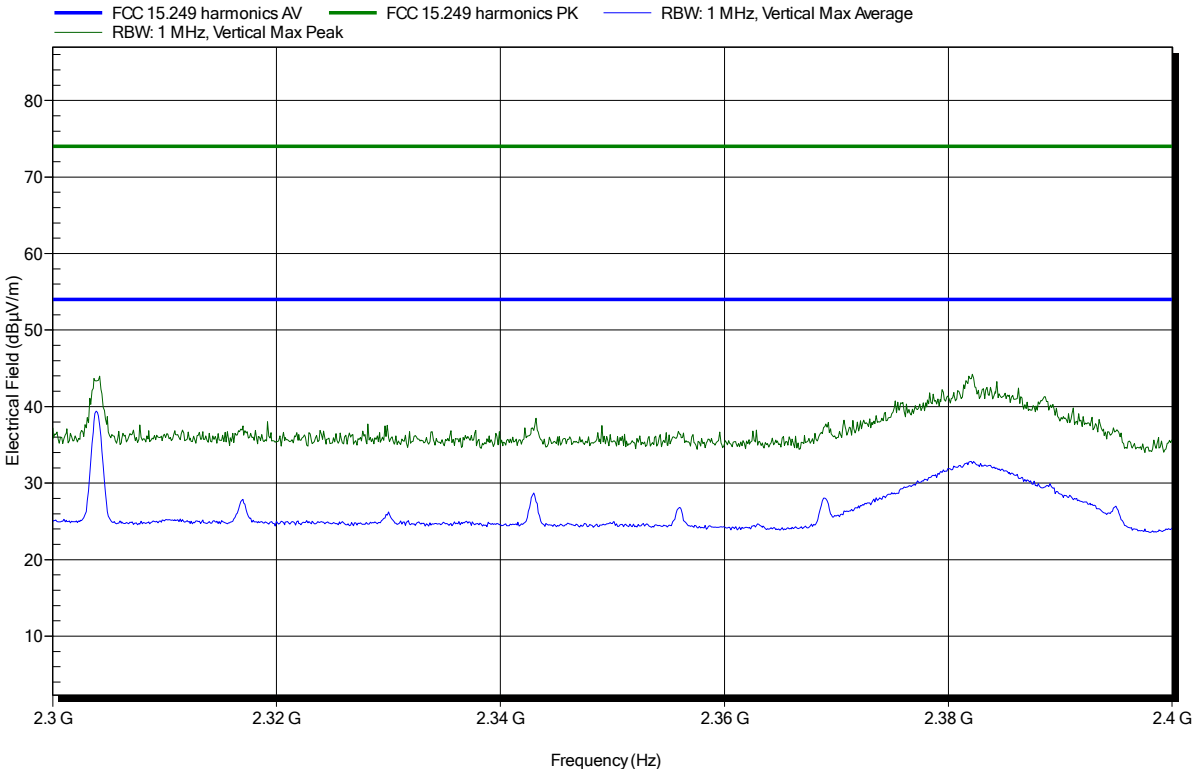

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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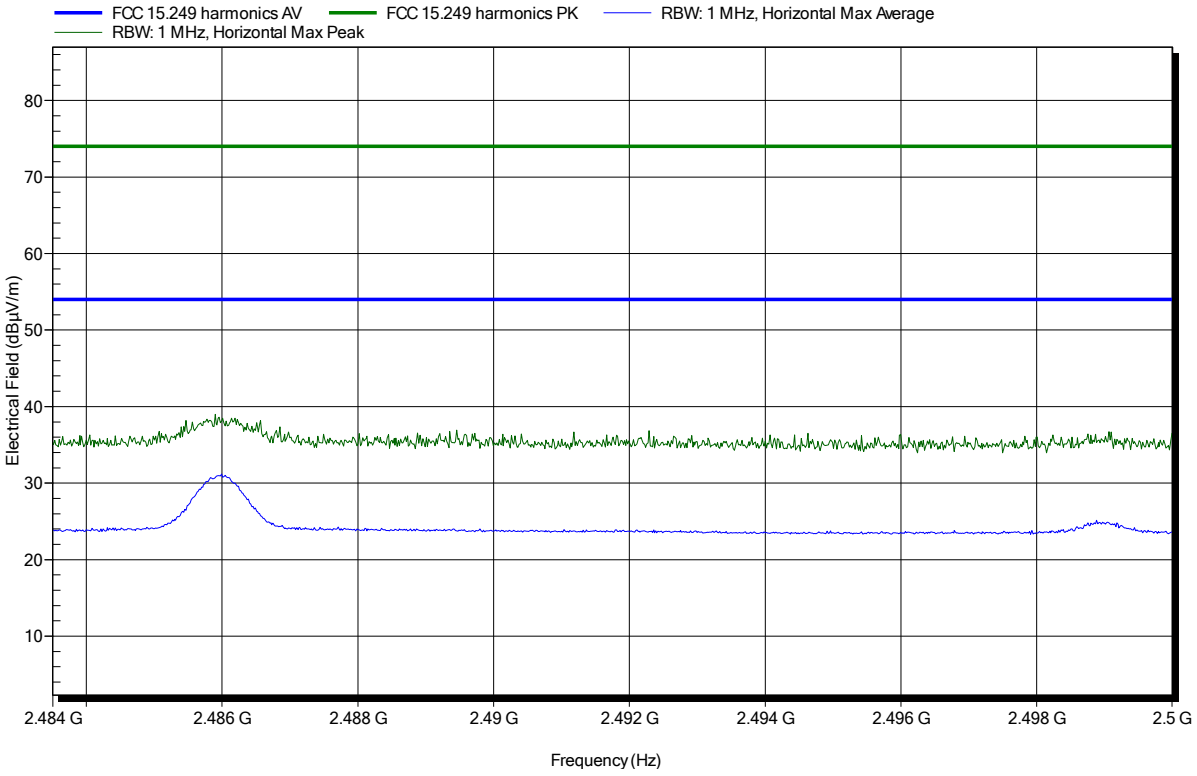

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7423
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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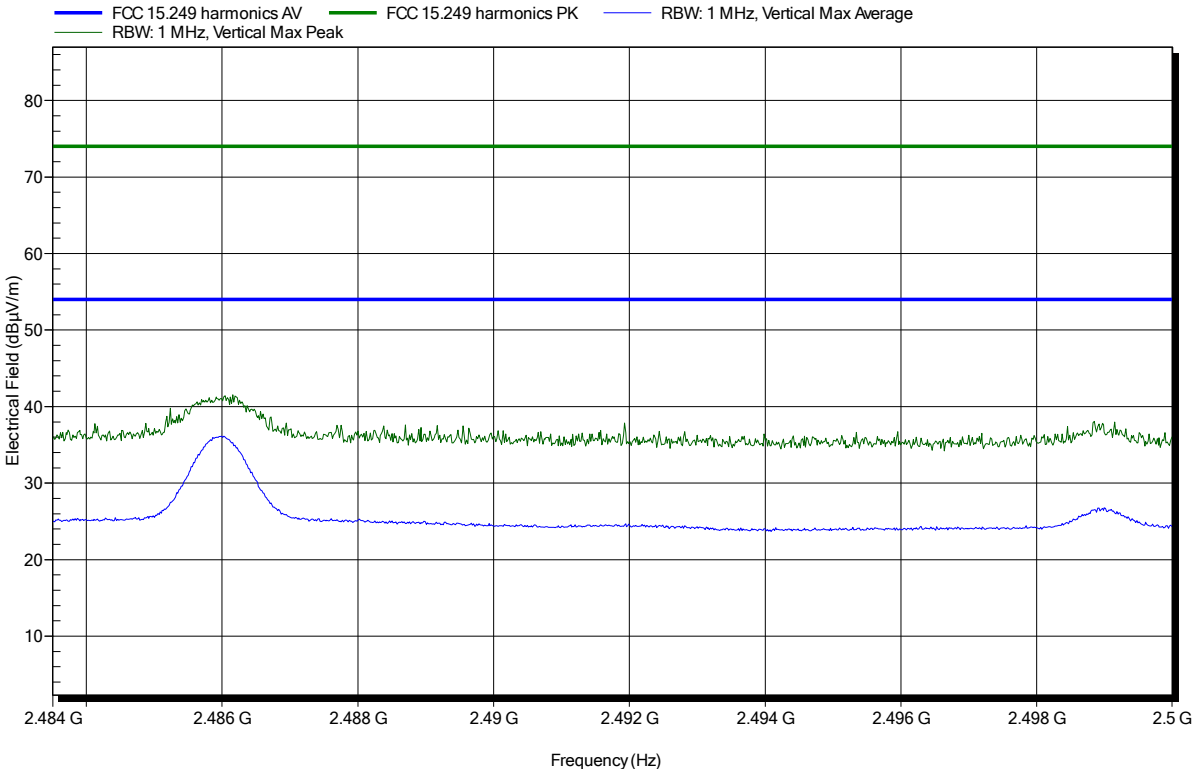

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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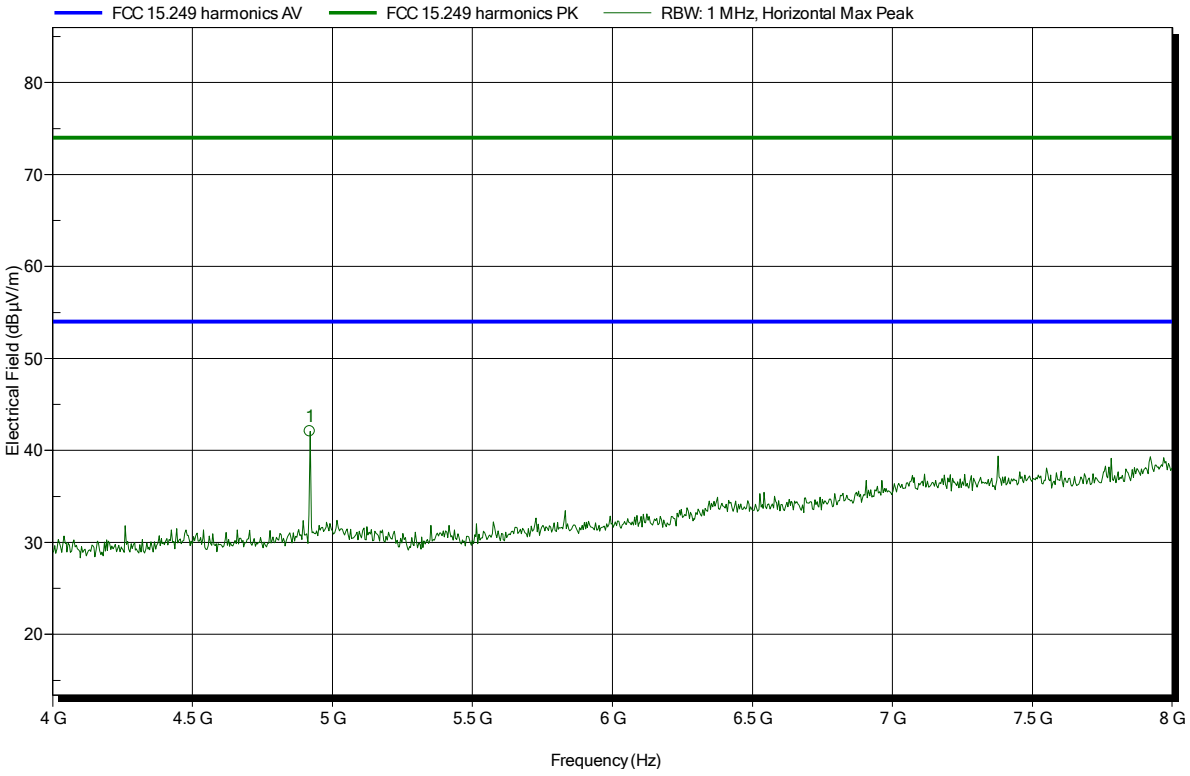

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.919 GHz	42.09 dBµV/m	74 dBµV/m	-31.91 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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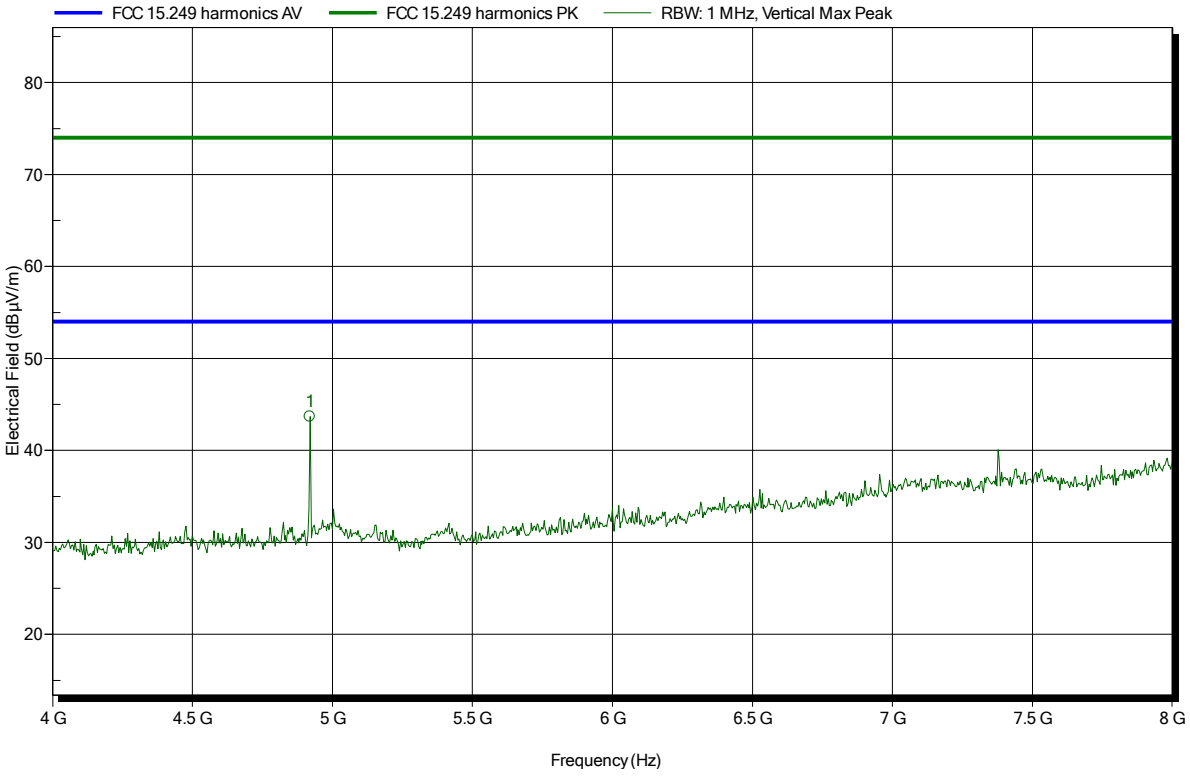

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.919 GHz	43.68 dBµV/m	74 dBµV/m	-30.32 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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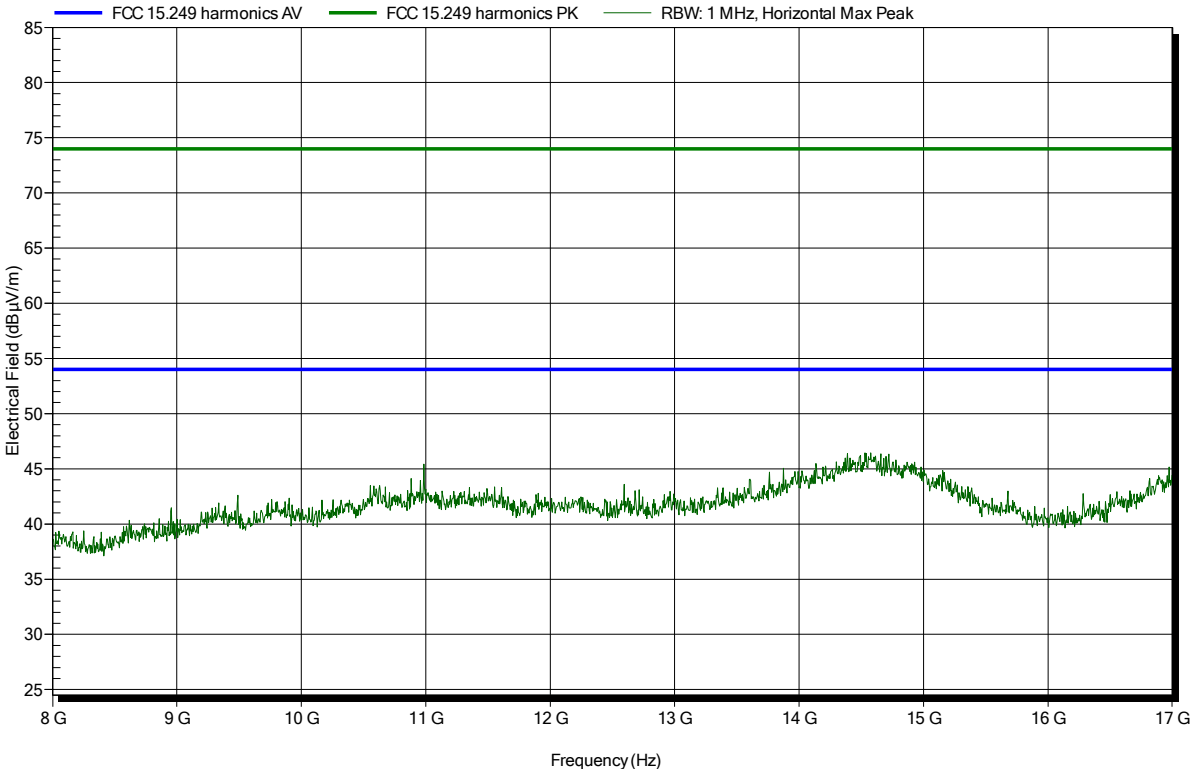

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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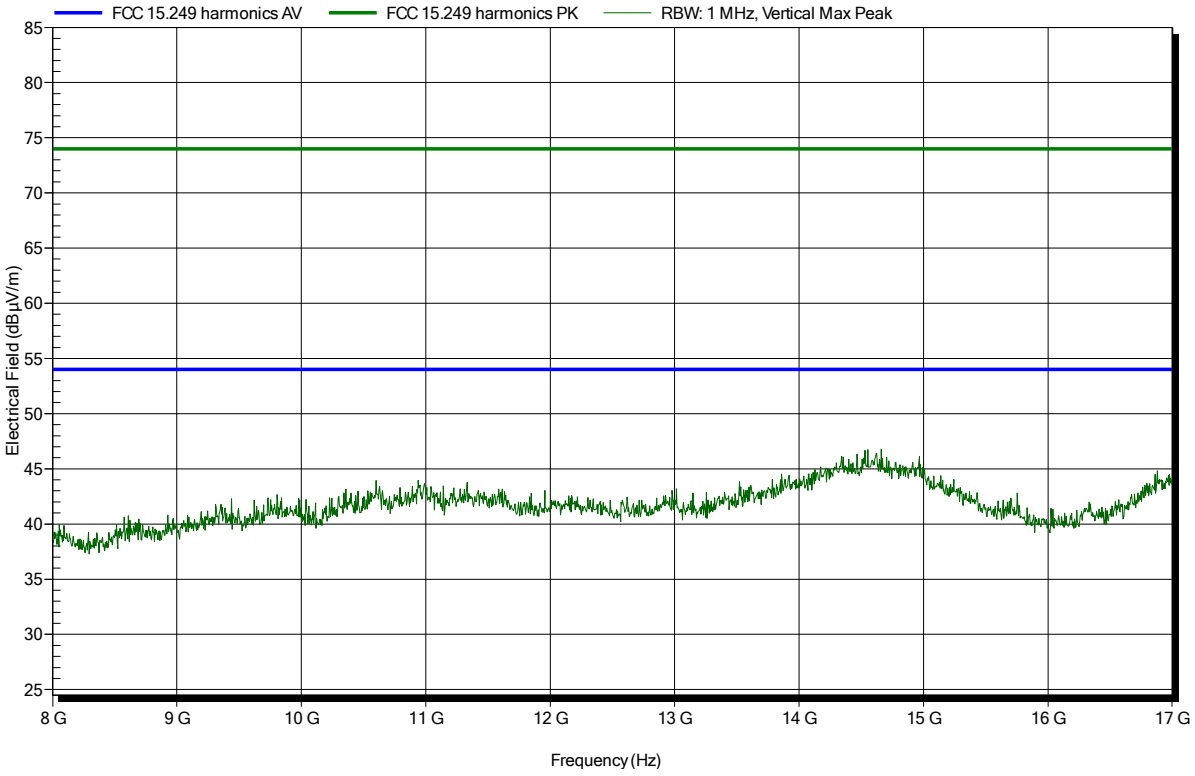

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Amplifier Research AT 4560 (old name) / ATH18G40 (new name), Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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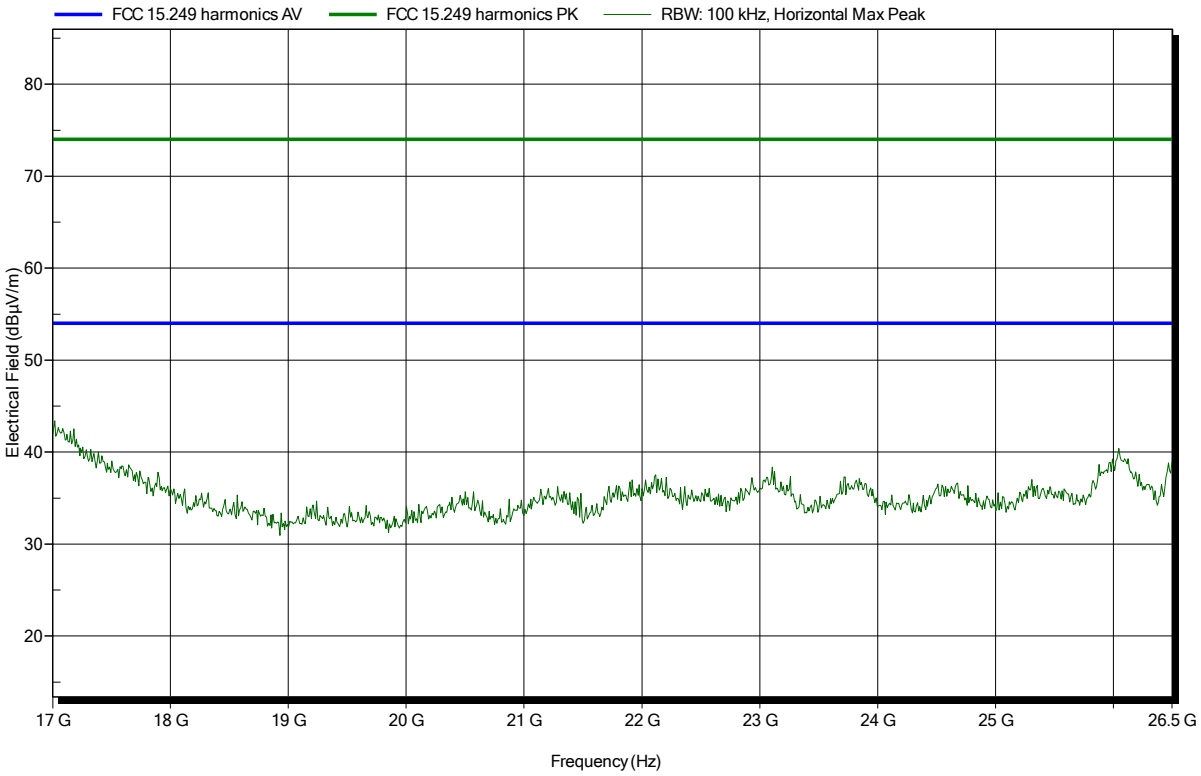

Spurious emissions according to FCC 15.249

Project number: G0M-1805-7423

Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 25°C, Vnom: 5.6 VDC
Antenna:	Amplifier Research AT 4560 (old name) / ATH18G40 (new name), Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; FHSS GFSK 2460 MHz
Test Date:	2018-07-12
Note:	

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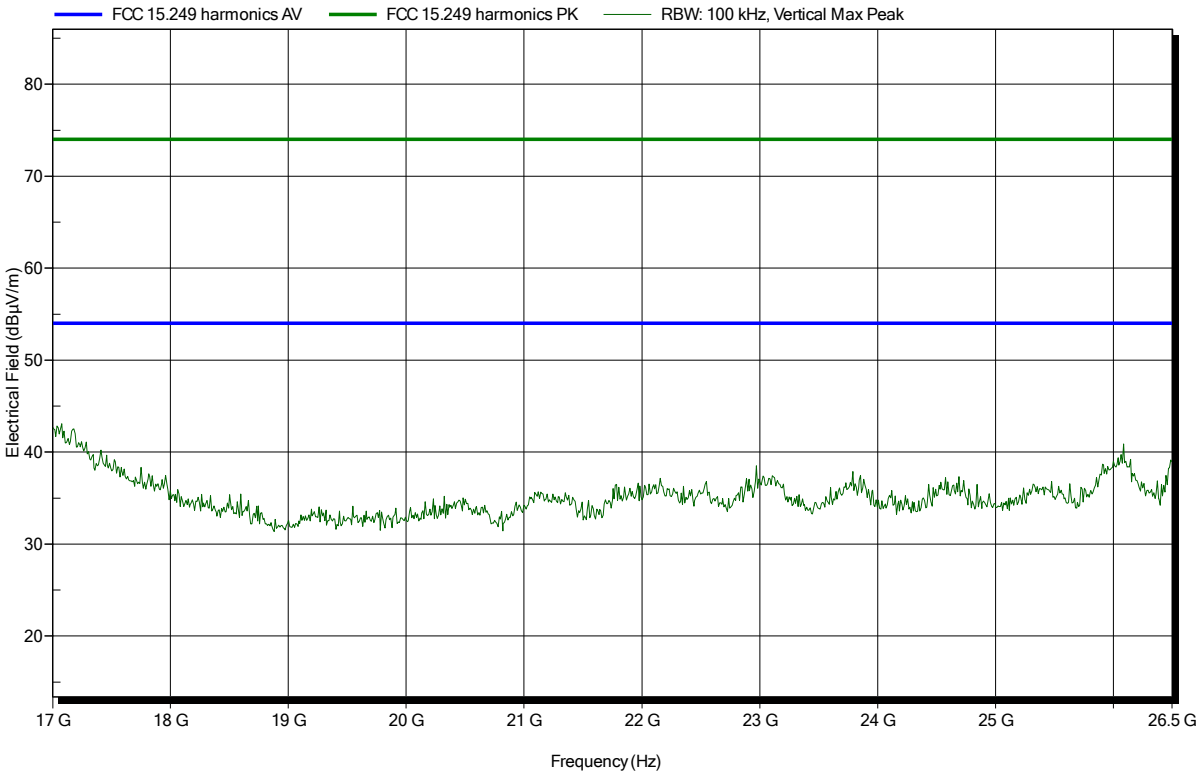

ANNEX B Receiver radiated spurious emissions

Spurious emissions according to RSS-Gen

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-13
Note:	

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Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
36.0049 MHz	37.3 dBµV/m	40 dBµV/m	-2.7 dB	Pass	0 Degree	1 m

Spurious emissions according to RSS-Gen

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-13
Note:	

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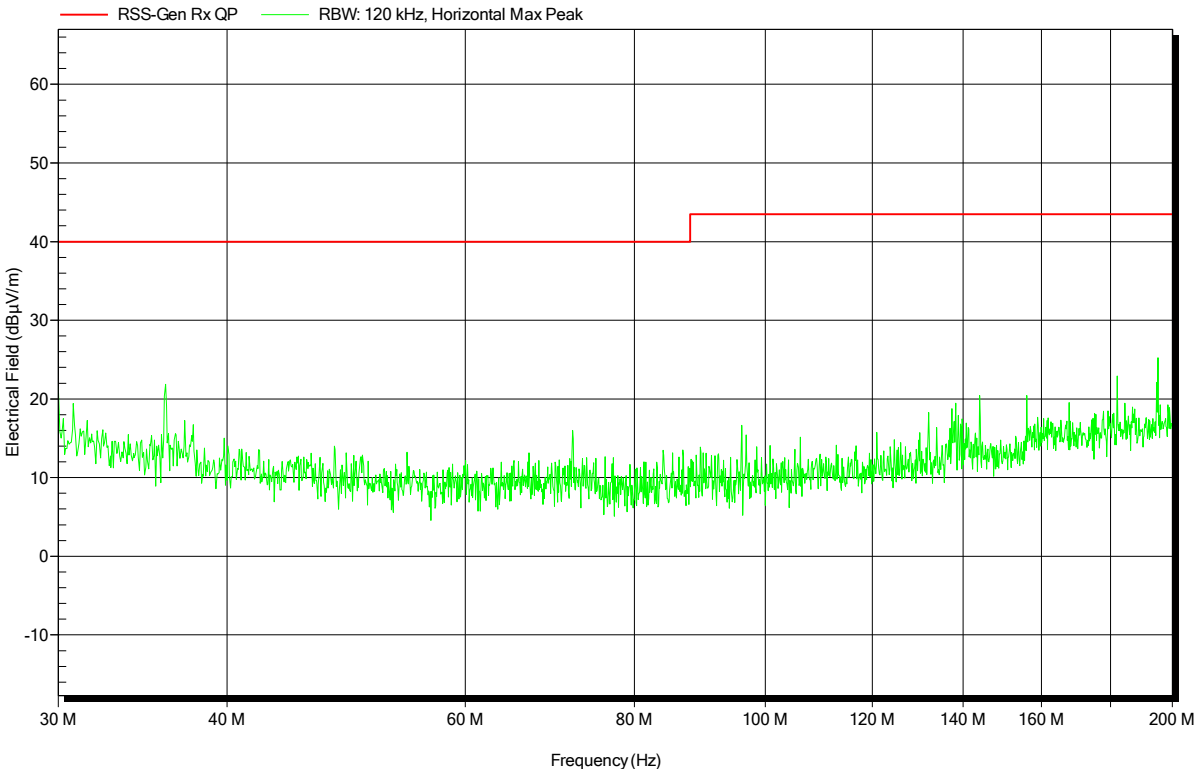
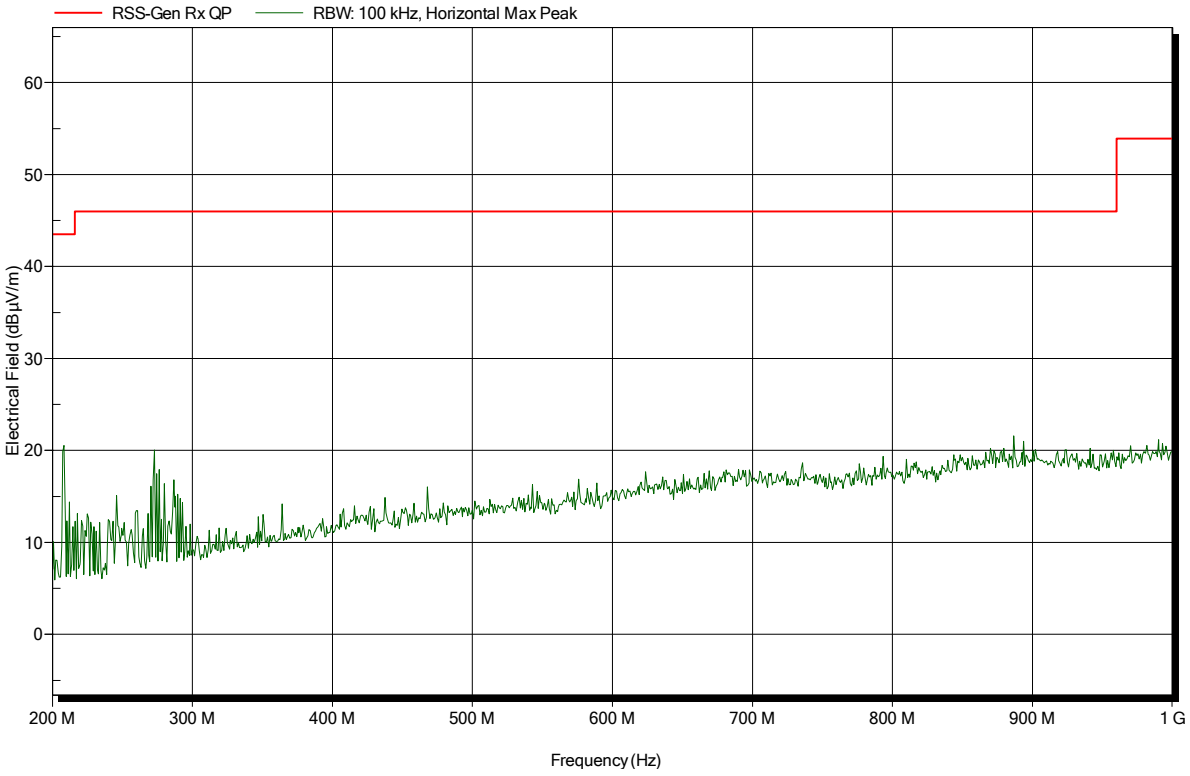


Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 26°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-12
Note:	

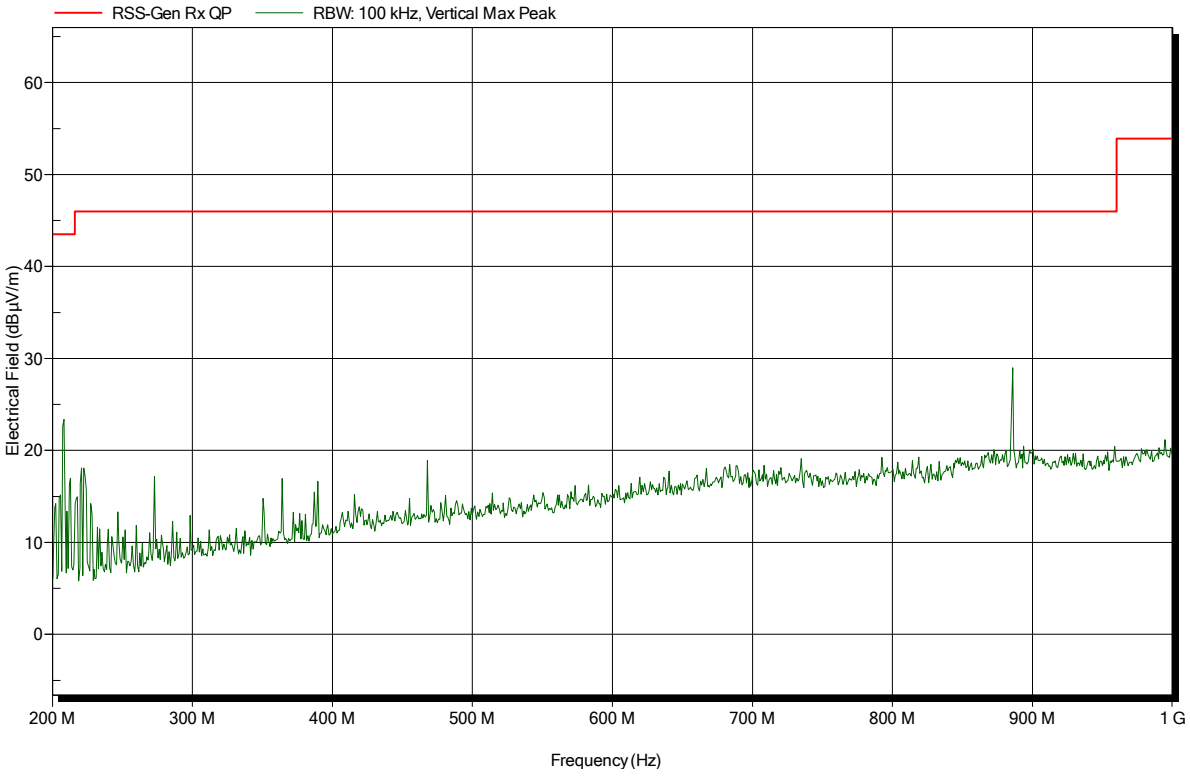
Index 2



Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 26°C, Vnom: 5.6 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-12
Note:	

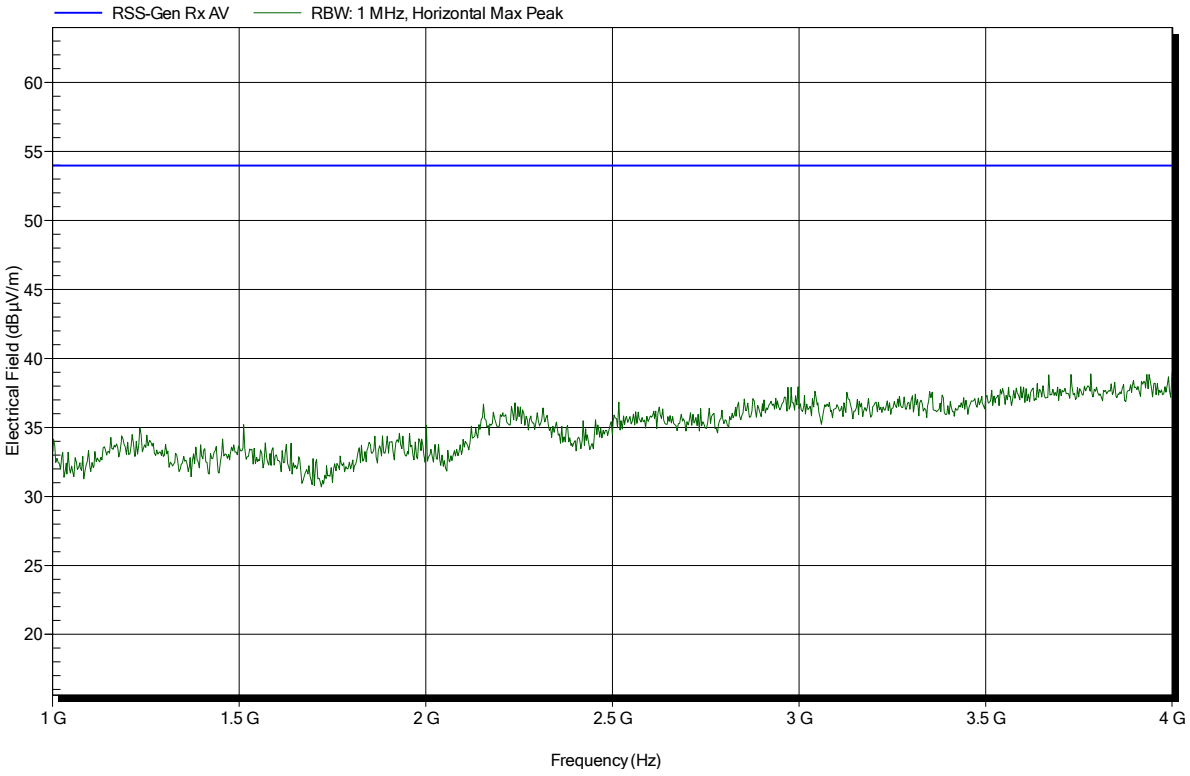
Index 1



Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 26°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-12
Note:	

Index 3



Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 26°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-12
Note:	

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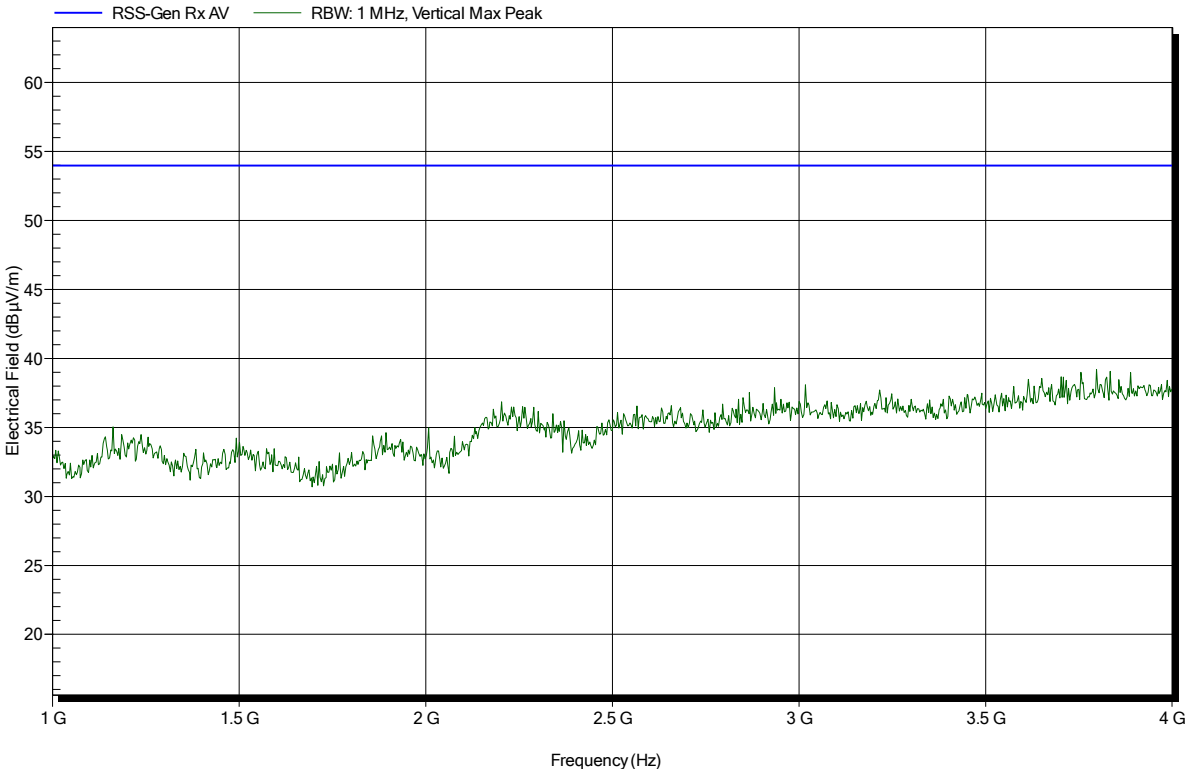

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 26°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-12
Note:	

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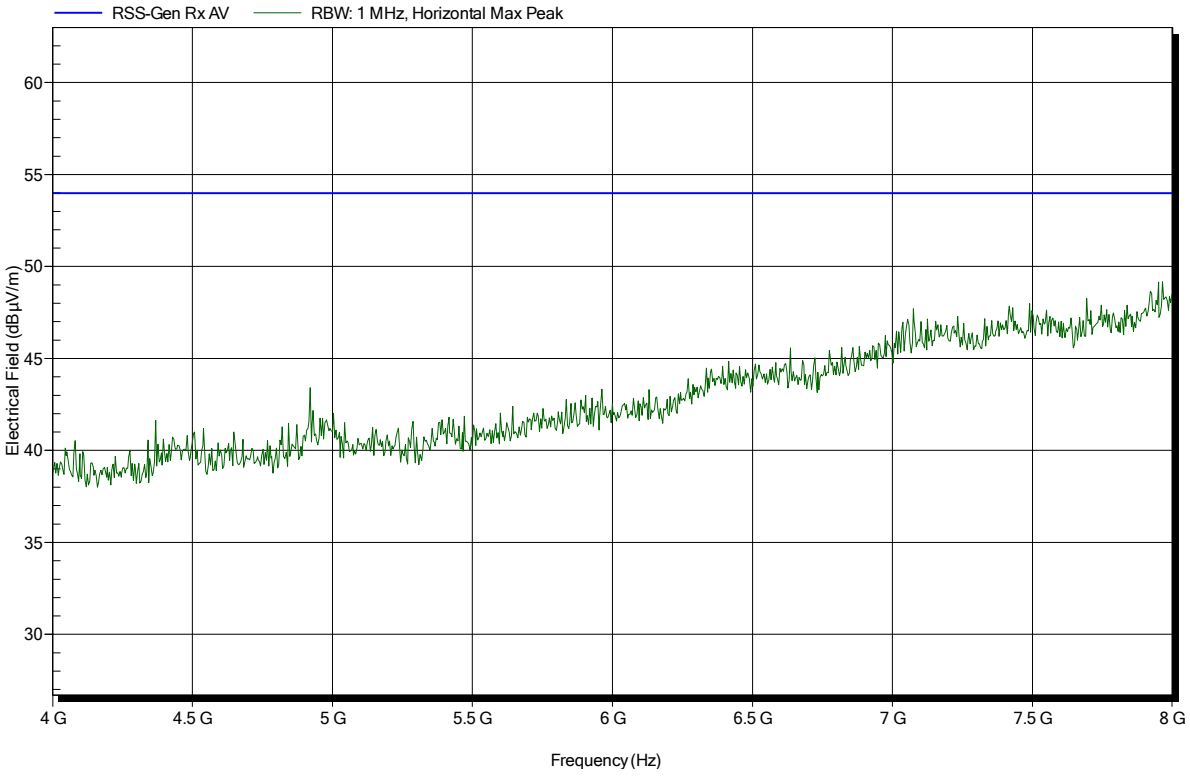
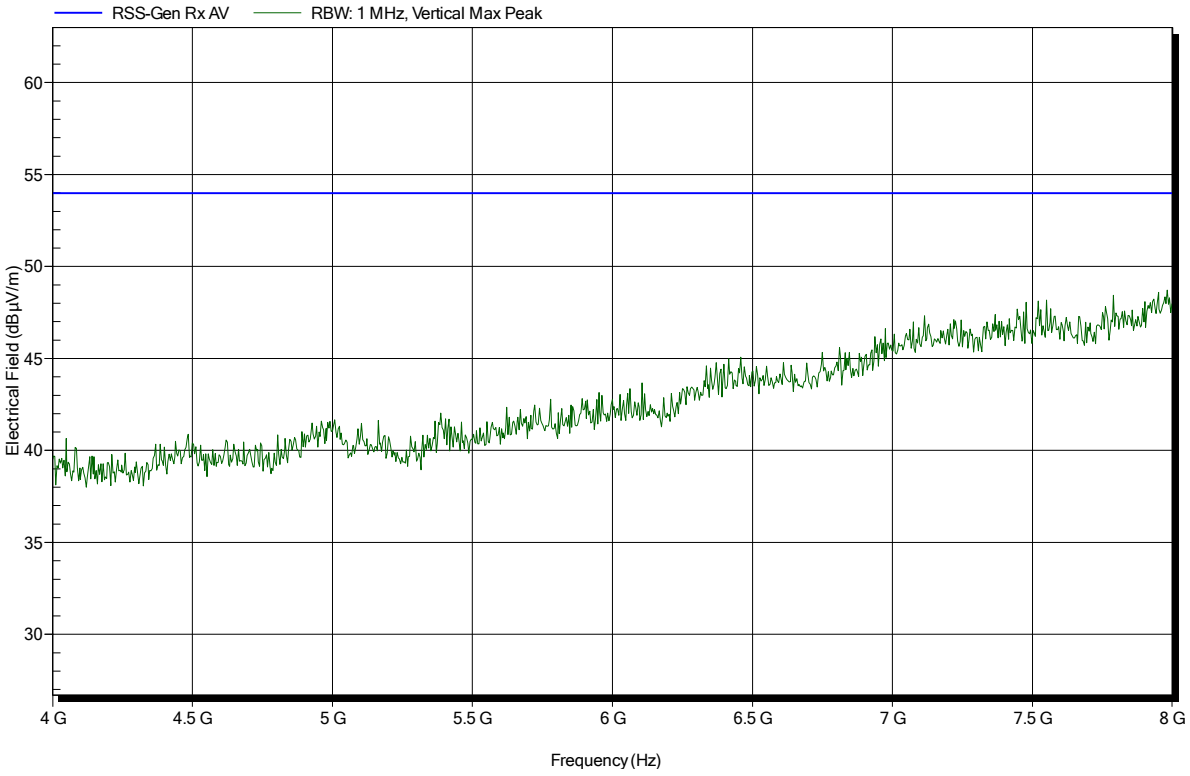


Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 26°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-12
Note:	

Index 5



Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 26°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-12
Note:	

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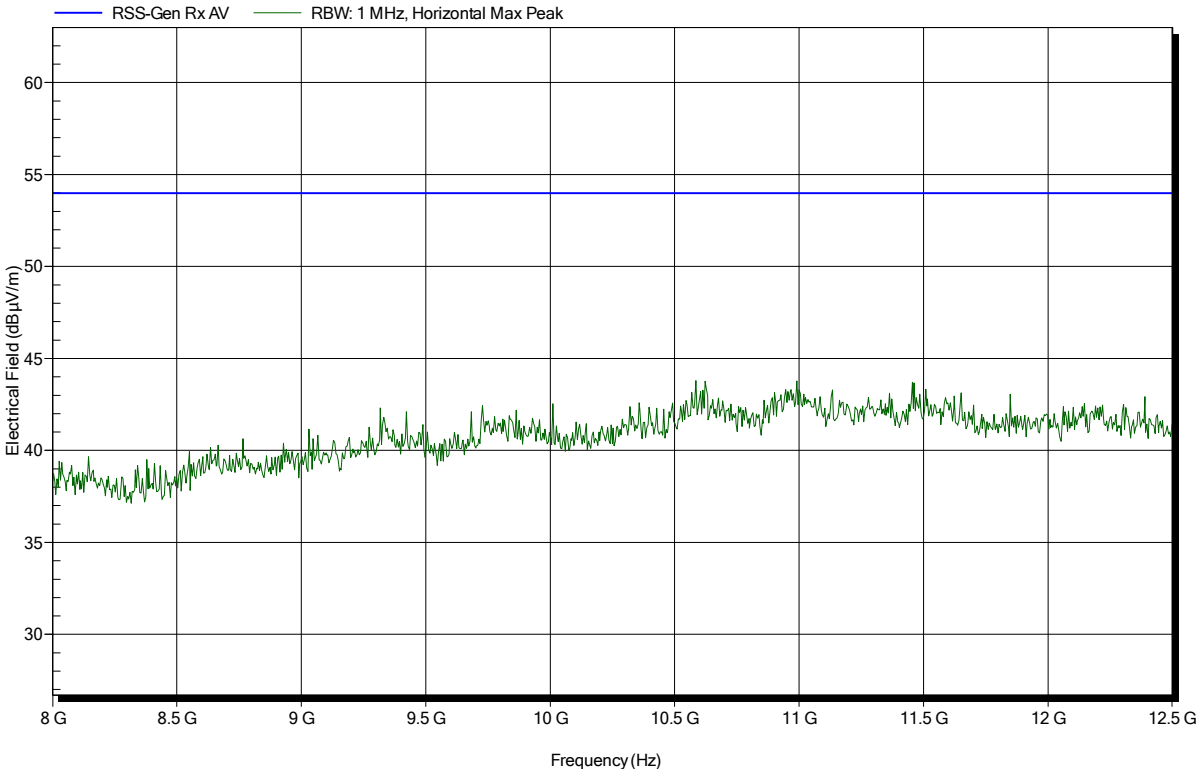

Spurious emissions according to FCC 15.249

Project number:	G0M-1805-7424
Applicant:	Liftup A/S
EUT Name:	Radio module for Liftup A/S products
Model:	MODULE1
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 26°C, Vnom: 5.6 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	RX; FHSS, 2435 MHz
Test Date:	2018-07-12
Note:	

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