RADIO REPORT

FCC 47 CFR Part 15C
ISED Canada RSS-247

Digital transmission systems operating within the 2400 – 2483.5 MHz band

Report Reference No	G0M-1712-7109-TFC247BL-V02
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	A2LA Accredited Testing Laboratory, Certificate No.: 1983.01 FCC Test Firm Designation Number: DE0008 IC Testing Laboratory site: 3470A-2
Applicant	eResearchTechnology GmbH
Address	Sieboldstrasse 3 97230 Estenfeld Germany
Test Specification	According to FCC/ISED rules
Standard	47 CFR Part 15C RSS-247, Issue 2, 2017-02
Test Scope	partial compliance test
Equipment under Test (EUT):	
Product Description	Asthma Monitor AM3
Model(s)	AM3 Option BT+
Additional Model(s)	None
Brand Name(s)	None
Hardware Version(s)	1.0
Software Version(s)	9.40
FCC-ID	2AAUFAM3G03
IC	11335A-AM3G03
Contains FCC-ID	QOQBT121
Contains IC	5123A-BGTBT121
Test Result	**PASSED**

Possible test case verdicts:		
required by standard but not tested	N/T	
not required by standard	N/R	
not applicable to EUT	N/A	
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	2018-01-23	
Report:		
Compiled by	Sebastian Suckow	
Tested by (+ signature) (Responsible for Test)	Sebastian Suckow	.....
Approved by (+ signature) (Head of Lab)	Christian Weber	.....
Date of Issue	2018-03-28	
Total number of pages	87	
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 History			
Version	Issue Date	Remarks	Revised By
01	2018-02-20	Initial Release	
02	2018-03-28	Replaced document: G0M-1712-7109-TFC247BL-V01 Replaced by: G0M-1712-7109-TFC247BL-V02 Changes: Page 1: Contains IC corrected.	S. Suckow

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
EUT	Equipment Under Test
FCC	Federal Communications Commission
ISED	Innovation, Science and Economic Development Canada
RBW	Resolution bandwidth
RMS	Root mean square
VBW	Video bandwidth
V_{NOM}	Nominal supply voltage

REPORT INDEX

1 Equipment (Test Item) Under Test

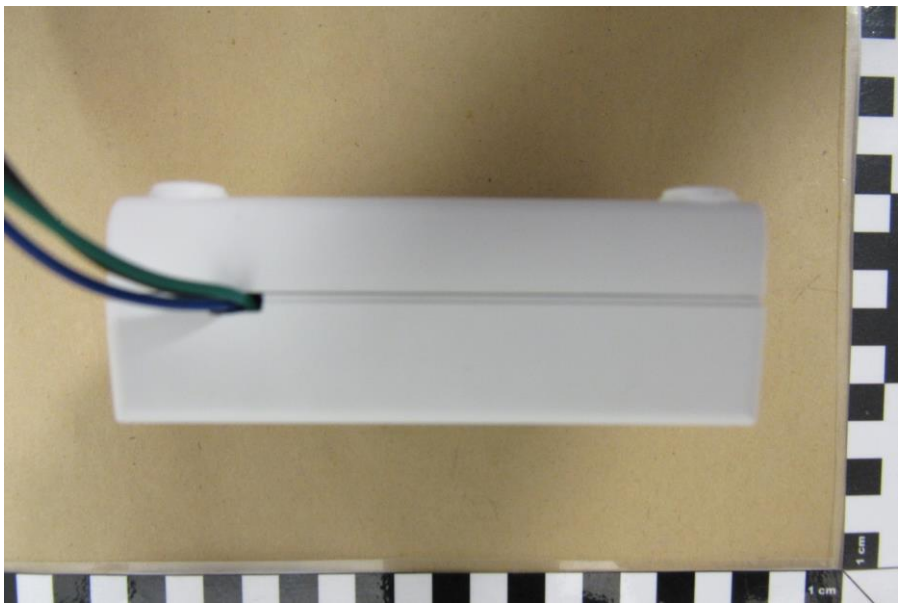
Description	Asthma Monitor AM3	
Model	AM3 Option BT+	
Additional Model(s)	None	
Brand Name(s)	None	
Serial Number(s)	None	
Hardware Version(s)	1.0	
Software Version(s)	9.40	
PMN	AM3	
HVIN	AM3 Option BT+	
FVIN	N/A	
HMN	N/A	
FCC-ID	2AAUFAM3G03	
IC	11335A-AM3G03	
Equipment type	End Product	
Radio type	Transceiver	
Assigned frequency bands	2400 - 2483.5 MHz	
Radio technology	Bluetooth LE	
Modulation	GFSK	
Number of antenna ports	1	
Radio Module	Type	BT Classic / LE Module
	Model	BT121
	Manufacturer	Silicon Labs (former BlueGiga)
	HW Version	N/A
	SW Version	N/A
	FCC-ID	QOQBT121
	IC	5123A-BGTBT121
Antenna	Type	Integrated
	Model	BT121
	Manufacturer	Silicon Labs
	Gain	1 dBi
Supply Voltage	V_{NOM}	3.7 VDC
Operating Temperature	T_{NOM}	25 °C
AC/DC-Adaptor	Model	GTM41134-0606-1.0
	Vendor	GlobTek
	Input	100 – 240 VAC
	Output	5 VDC
Manufacturer	eResearchTechnology GmbH Sieboldstrasse 3 97230 Estenfeld Germany	

1.1 Photos – Equipment External

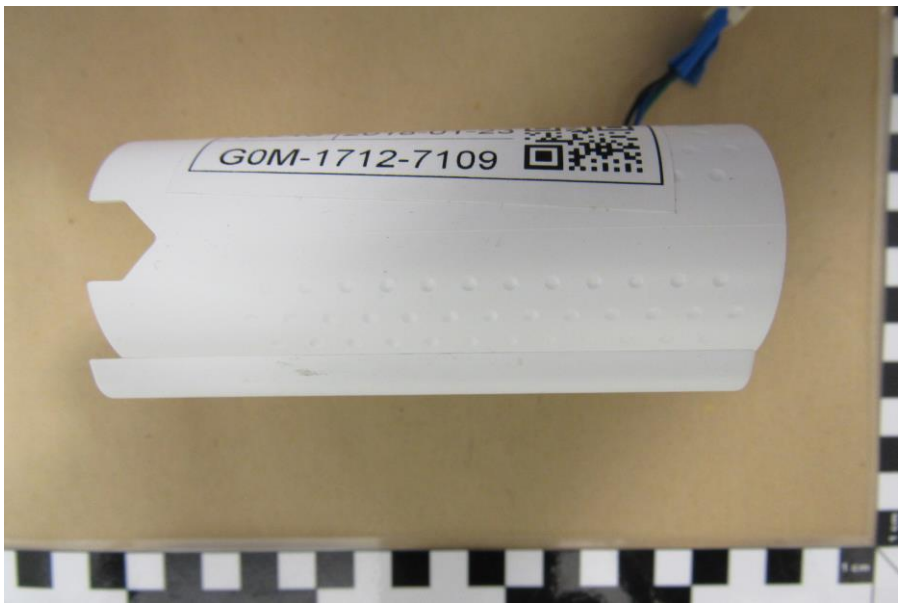
EUT FRONT

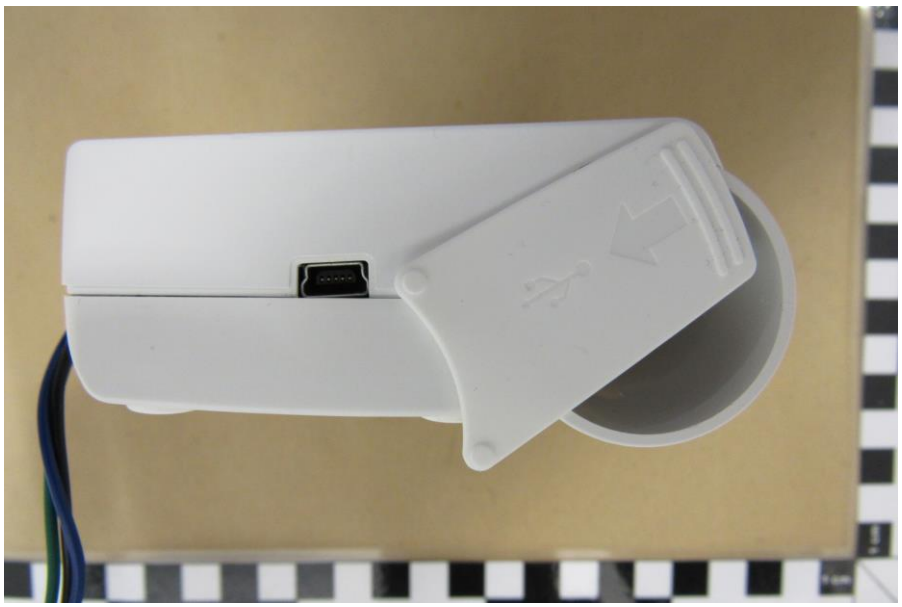

EUT BACK


EUT TOP



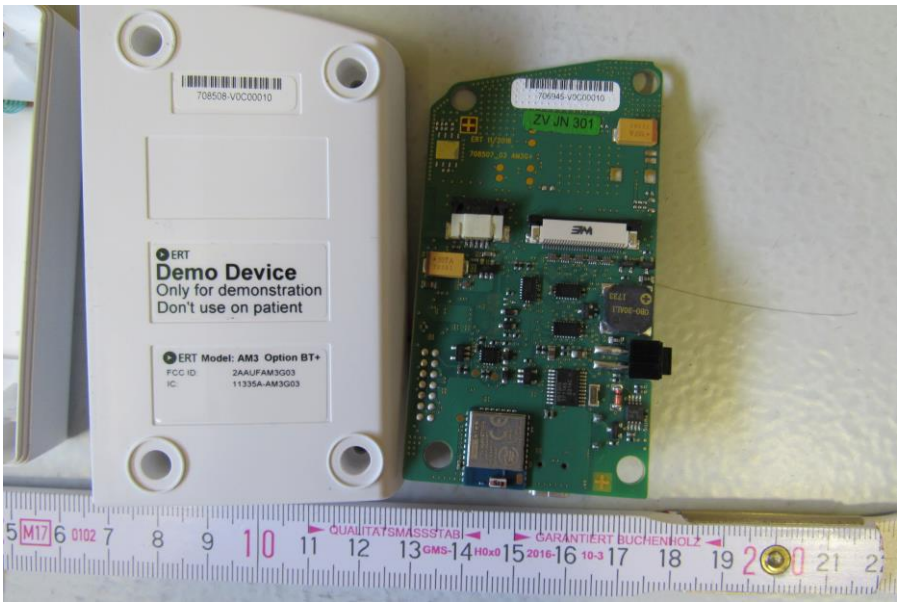
EUT BOTTOM

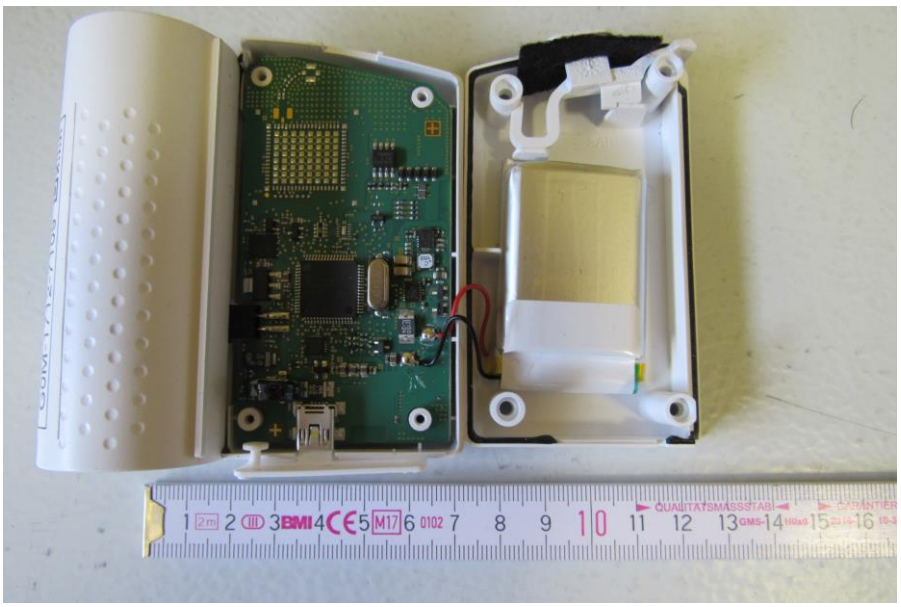


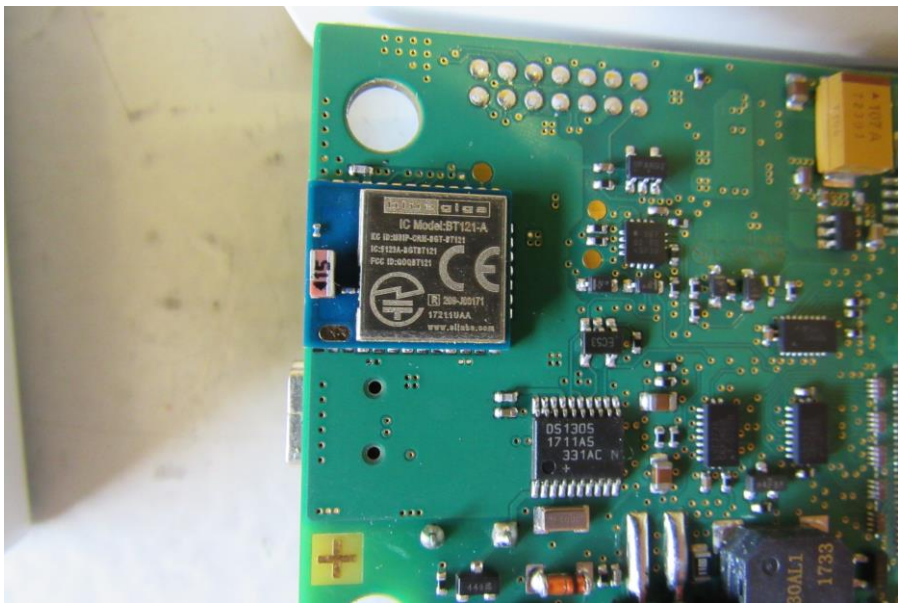
EUT LEFT


EUT RIGHT

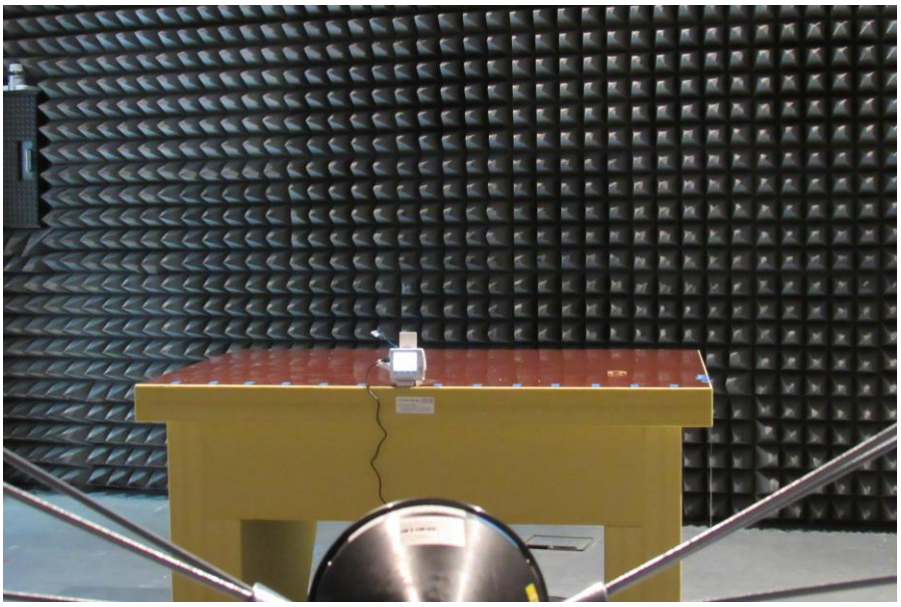

1.2 Photos – Equipment Internal

PCB bottom


PCB top


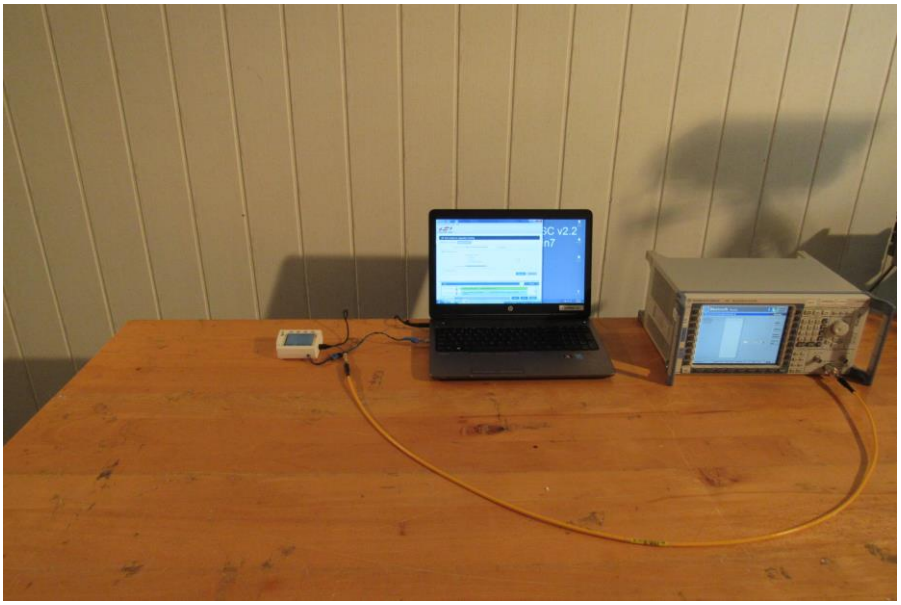
BT module


1.3 Photos – Test Setup

Test Setup Radiated


AC Powerline Test Setup 1


AC Powerline Test Setup 2



1.4 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
AE	Customer Notebook	HP	HP650G1-14	Used for EUT setup
Description:				
AE	Auxillary Equipment			
SIM	Simulator			
CBL	Connecting Cable			
Comment:				

1.5 Test Modes

Mode	Description
GFSK	Mode = Transmit Modulation = GFSK Spreading = None Duty cycle = 50%
Receive	Mode = Receive
Comment:	

1.6 Test Frequencies

Designator	Mode	Channel	Frequency [MHz]
F1	Tx / Rx	0	2402
F2	Tx / Rx	19	2440
F3	Tx / Rx	39	2480

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, ISED RSS-247				
Product Standard Reference	**Requirement**	**Reference Method**	**Result**	**Remarks**
RSS-Gen 6.6	Occupied Bandwidth	ANSI C63.10	N/R	Informational only
FCC § 15.247(a)(2) ISED RSS-247 § 5.2	6 dB Bandwidth	ANSI C63.10	N/T	
FCC § 15.247(b)(3) ISED RSS-247 § 5.4	Maximum peak conducted power	ANSI C63.10	N/T	
FCC § 15.247(e) ISED RSS-247 § 5.2	Power spectral density	ANSI C63.10	N/T	
FCC § 15.207 ISED RSS-247 § 3.1	AC power line conducted emissions	ANSI C63.10	PASS	
FCC § 15.247(d) ISED RSS-247 § 5.5	Band edge compliance	ANSI C63.10	N/T	
FCC § 15.247(d) ISED RSS-247 § 5.5	Conducted spurious emissions	ANSI C63.10	N/T	
FCC § 15.247(d) FCC § 15.209 ISED RSS-GEN § 8.9	Transmitter radiated spurious emissions	ANSI C63.10	PASS	
ISED RSS-247 § 3.1	Receiver radiated spurious emissions	ANSI C63.10	PASS	
Comment:				

Possible Test Case Verdicts	
PASS	Test object does meet the requirements
FAIL	Test object does not meet the requirements
N/T	Required by standard but not tested
N/R	Not required by standard for the test object

3 Test Conditions and Results

3.1 Test Conditions and Results - Occupied bandwidth

3.1.1 Information

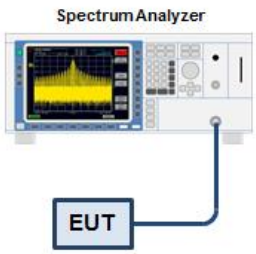
Test Information	
Reference	ISED RSS-Gen 6.6
Measurement Method	ANSI C63.10 6.9.3
Operator	Sebastian Suckow
Date	2018-02-02

3.1.2 Limits

Limits
None (Informational only)

3.1.3 Setup

Test Setup



3.1.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSU 26	EF01003	2017-07	2018-07

3.1.5 Procedure

Test Procedure

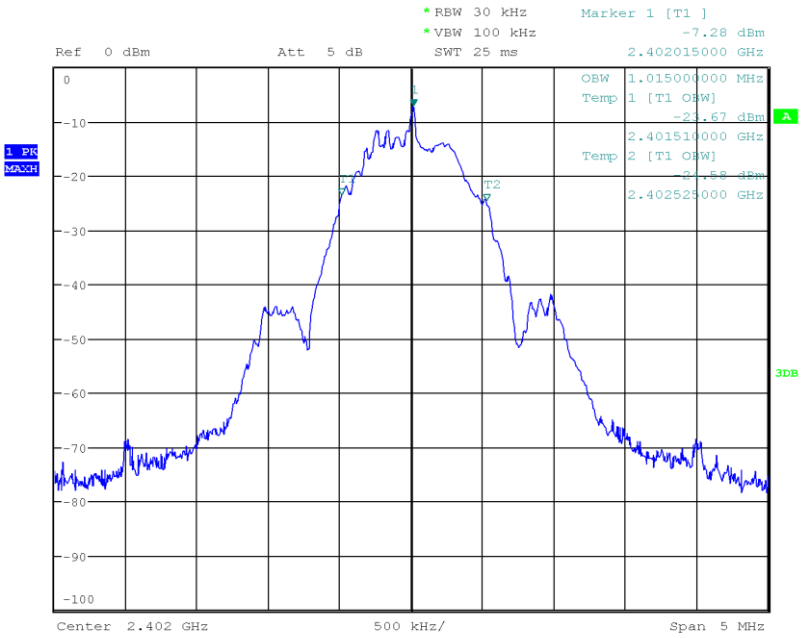
1. EUT transmitter is activated in test mode under normal conditions
2. The spectrum analyzer is set to peak detection and maximum hold with a span twice the emission spectrum
3. The resolution bandwidth is set to 1 % of the bandwidth
4. The occupied bandwidth is measured with the build-in analyzer function

3.1.6 Results

Test Results		
Mode	Frequency [MHz]	Bandwidth [MHz]
GFSK	2402	1.015
GFSK	2440	1.015
GFSK	2480	1.680

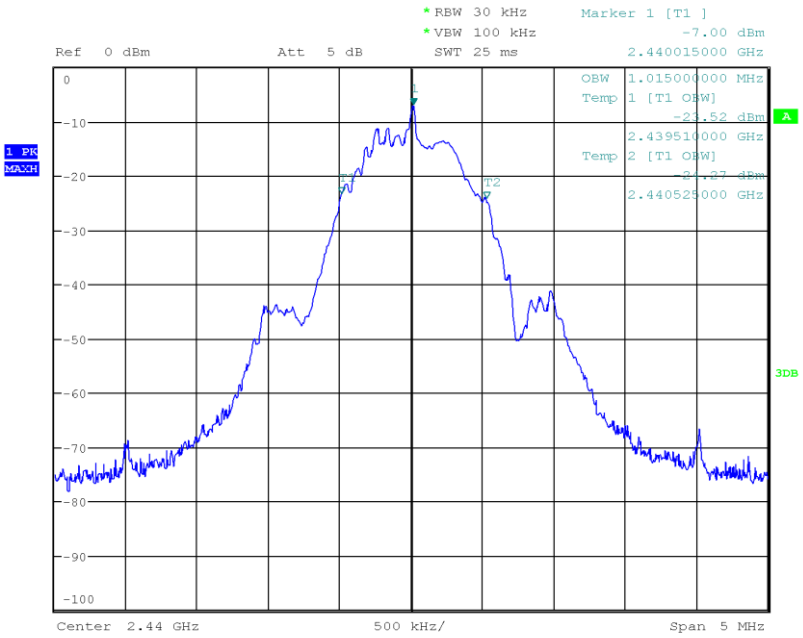
Occupied Bandwidth

Project Number:	G0M-1712-7109
Applicant:	eResearchTechnology GmbH
Model Description:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Sample ID:	16944
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 6.9.3
Operational Mode:	GFSK, Channel: 0, 2402 MHz
Operating Conditions:	Tnom/Vnom
Operator:	Sebastian Suckow
Test Site:	Eurofins Product Service GmbH
Test Date:	2018-02-02
Occupied Bandwidth [MHz]:	1.015



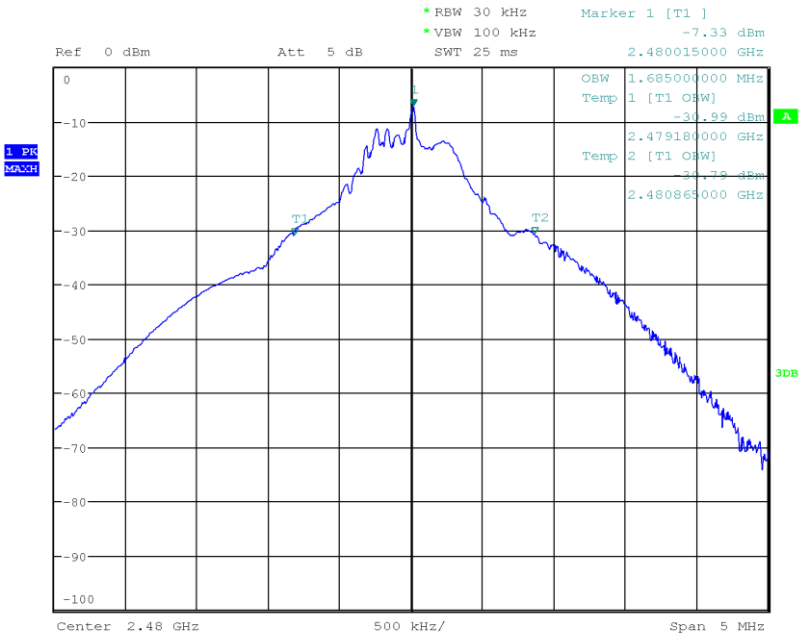
Occupied Bandwidth

Project Number:	G0M-1712-7109
Applicant:	eResearchTechnology GmbH
Model Description:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Sample ID:	16944
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 6.9.3
Operational Mode:	GFSK, Channel: 19, 2440 MHz
Operating Conditions:	Tnom/Vnom
Operator:	Sebastian Suckow
Test Site:	Eurofins Product Service GmbH
Test Date:	2018-02-02
Occupied Bandwidth [MHz]:	1.015



Occupied Bandwidth

Project Number:	G0M-1712-7109
Applicant:	eResearchTechnology GmbH
Model Description:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Sample ID:	16944
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 6.9.3
Operational Mode:	GFSK, Channel: 39, 2480 MHz
Operating Conditions:	Tnom/Vnom
Operator:	Sebastian Suckow
Test Site:	Eurofins Product Service GmbH
Test Date:	2018-02-02
Occupied Bandwidth [MHz]:	1.680



3.2 Test Conditions and Results - AC powerline conducted emissions

3.2.1 Information

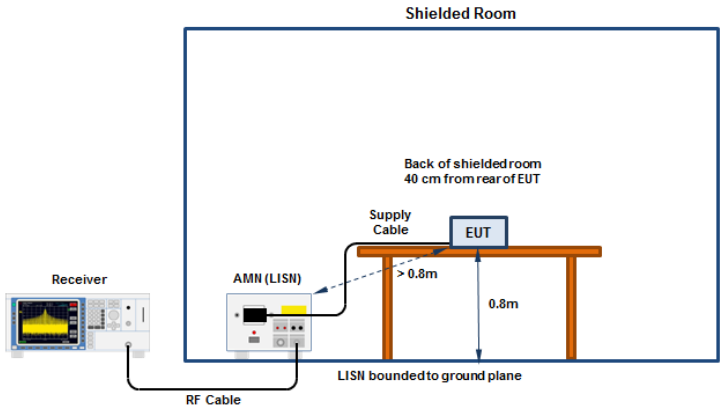
Test Information	
Reference	FCC 15.207
Measurement Method	ANSI C63.10 6.2
Operator	Sebastian Suckow
Date	2018-02-05

3.2.2 Limits

Limits		
Frequency [MHz]	Quasi-Peak [dBµV]	Average [dBµV]
0.15 - 0.5	66 - 56*	56 - 46*
0.5 - 5	56	46
5 - 30	60	50
* Limit decreases linearly with the logarithm of the frequency		

3.2.3 Setup

Test Setup



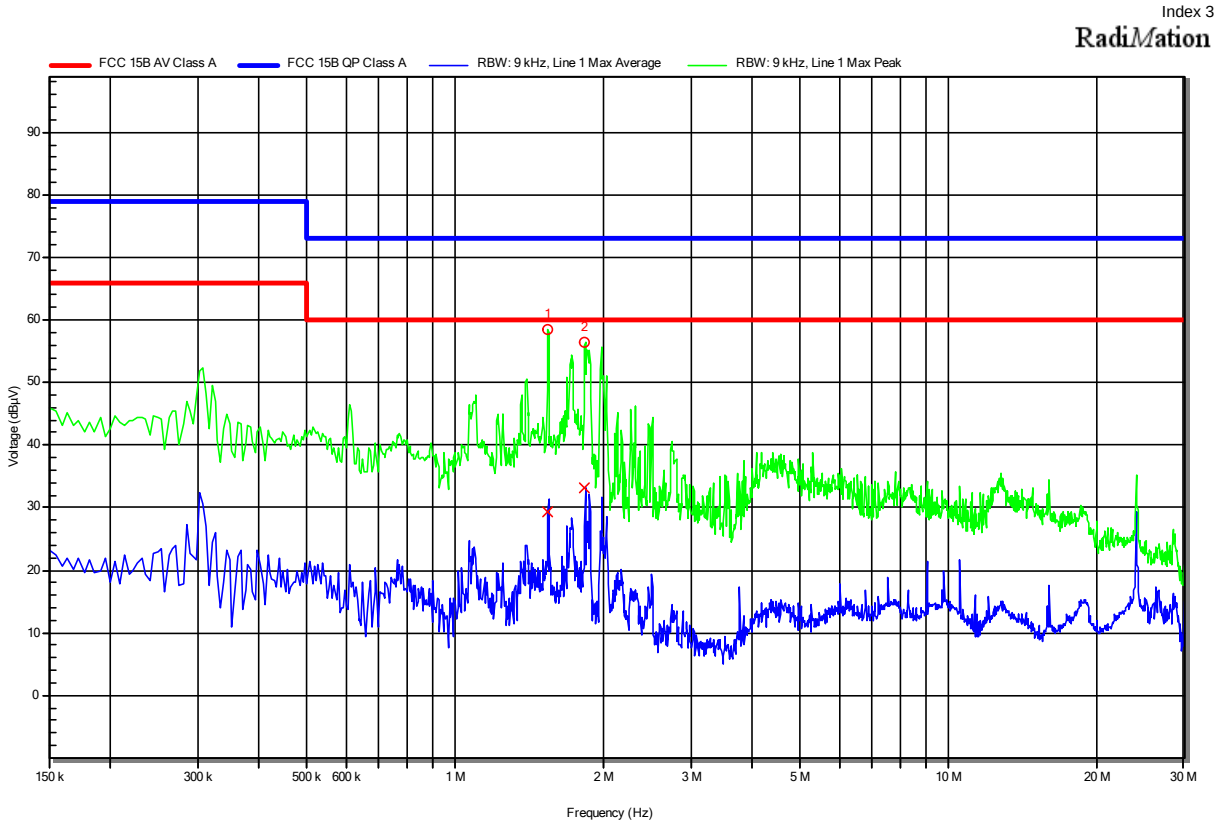
3.2.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
EMI Receiver	R&S	ESU 26	EF00241	2017-07	2019-07
LISN	R&S	ESH3-Z5	EF00036	2017-01	2019-01

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

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 23.5°C, Unom: 3.7 VDC
LISN:	ESH2-Z5 L
Mode:	BT LE 2402 MHz
Test Date:	2018-02-05
Note:	



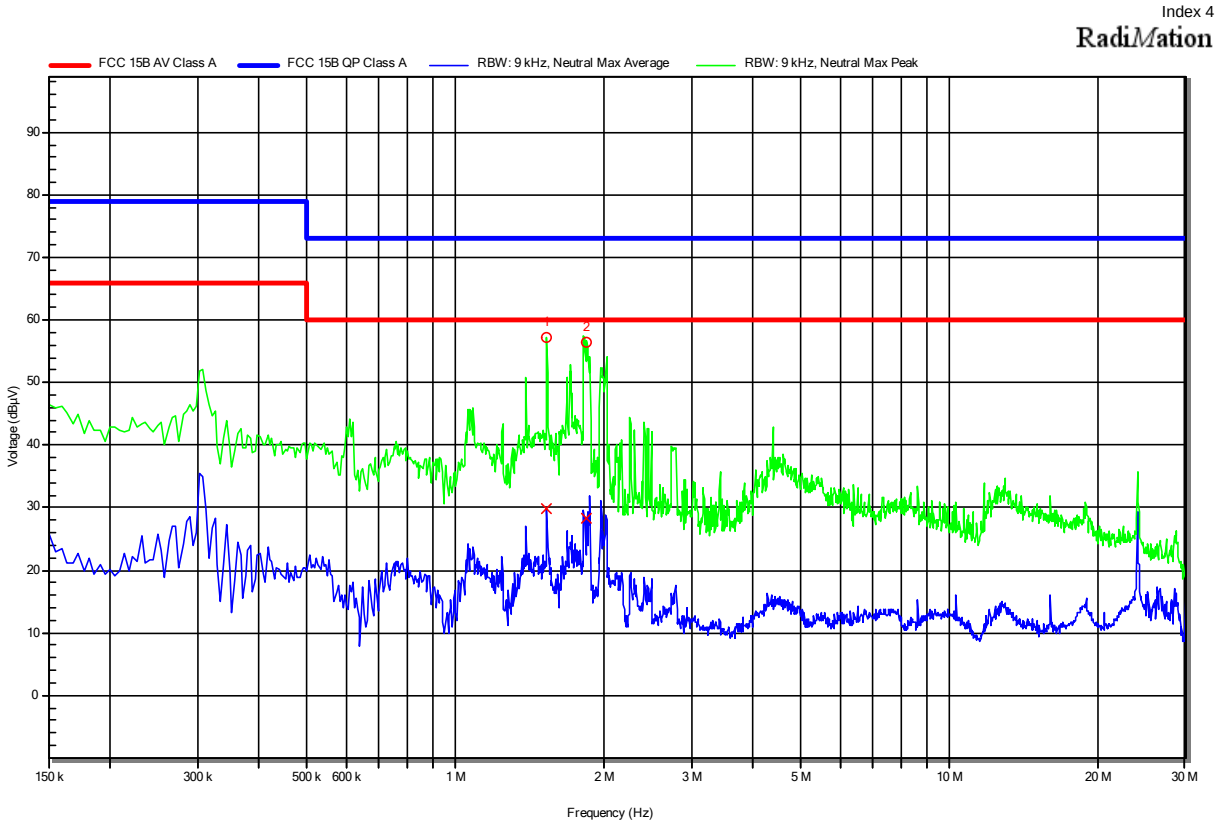
Peak Number	Frequency
1	1.54 MHz
2	1.833 MHz

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status
1	1.54 MHz	29.22 dBµV	60 dBµV	-30.78 dB	Pass
2	1.833 MHz	33.11 dBµV	60 dBµV	-26.89 dB	Pass

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

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 23.5°C, Unom: 3.7 VDC
LISN:	ESH2-Z5 N
Mode:	BT LE 2402 MHz
Test Date:	2018-02-05
Note:	



Peak Number	Frequency
1	1.531 MHz
2	1.837 MHz

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status
1	1.531 MHz	29.84 dBµV	60 dBµV	-30.16 dB	Pass
2	1.837 MHz	28.23 dBµV	60 dBµV	-31.77 dB	Pass

3.3 Test Conditions and Results - Transmitter radiated emissions

3.3.1 Information

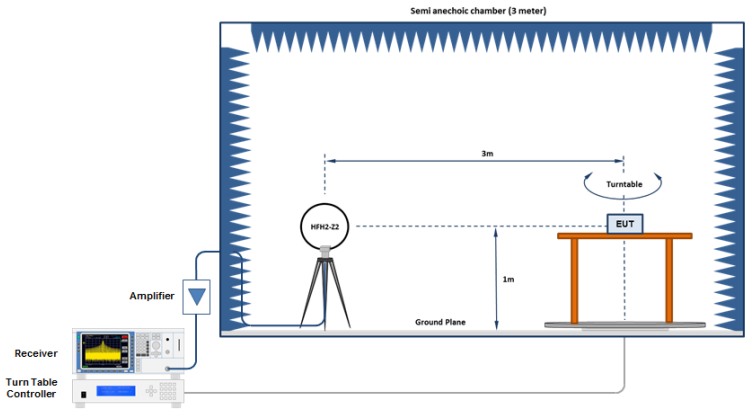
Test Information	
Reference	FCC 15.247(d) / ISED RSS-GEN 8.9
Measurement Method	ANSI C63.10 6.4, 6.5, 6.6, 11.12
Operator	Sebastian Suckow
Date	2018-01-29 – 2018-02-02

3.3.2 Limits

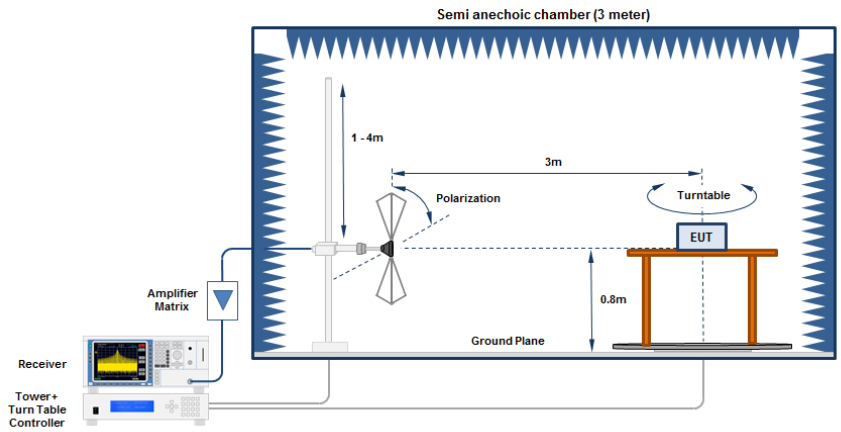
Limits			
Frequency [MHz]	Detector	Field strength [dBµV/m]	Measurement distance [m]
0.009 - 0.09	Average	2400/F[kHz]	300
0.09 - 0.110	Quasi-Peak	2400/F[kHz]	300
0.110 - 0.490	Average	2400/F[kHz]	300
0.490 - 1.705	Quasi-Peak	24000/F[kHz]	30
1.705 - 30.0	Quasi-Peak	30	30
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

3.3.3 Setup

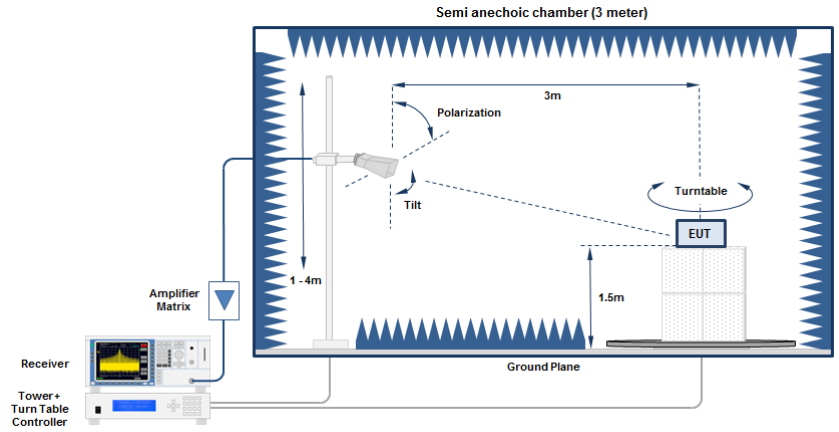
Test Setup < 30 MHz



Test Setup 30 - 1000 MHz



Test Setup > 1 GHz



3.3.4 Equipment

Test Equipment < 30 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	-	-
Loop Antenna	R&S	HFH2-Z2	EF00184	2017-12	2019-12
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2017-08	2018-08

Test Equipment 30 - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	-	-
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2017-08	2018-08
Antenna	R&S	HK 116	EF00012	2016-05	2019-05
Antenna	R&S	HL 223	EF00187	2016-05	2019-05

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	-	-
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2017-08	2018-08
Antenna	R&S	BBHA 9120D	EF01153	2017-08	2018-08
Antenna	Amplifier Research	AT4560	EF01152	2017-10	2018-10

3.3.5 Procedure

Test Procedure < 30 MHz
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground
2. EUT set to test mode
3. The EUT is rotated through 360°
4. The emissions are measured with peak detector and max hold
5. All significant emissions are measured again using the corresponding final detector

Test Procedure 30 - 1000 MHz
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground
2. EUT set to test mode
3. The receiver is set to peak detection with max hold
4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5. All significant emissions are measured again using the corresponding final detector

Test Procedure > 1 GHz
1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground
2. EUT set to test mode
3. The receiver is set to peak detection with max hold
4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5. All significant emissions are measured again using the corresponding final detector

3.3.6 Results

Test Results						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
2402	2370	53.70	pk	ver	74.00	-20.30
2402	2370	28.65	avg	ver	54.00	-25.35
2402	2371	50.57	pk	hor	74.00	-23.43
2402	2371	27.68	avg	hor	54.00	-26.32
2402	2377	51.98	pk	hor	74.00	-22.02
2402	2377	29.41	avg	hor	54.00	-24.59
2402	2377	55.41	pk	ver	74.00	-18.59
2402	2377	31.29	avg	ver	54.00	-22.71
2402	4800	43.62	pk	hor	74.00	-30.38
2440	2304	51.62	pk	ver	95.00	-43.38
2440	2304	26.14	avg	ver	54.00	-23.86
2440	2371	54.05	pk	ver	74.00	-19.95
2440	2371	28.22	avg	ver	54.00	-25.78
2440	4880	47.93	pk	hor	74.00	-26.07
2440	7320	49.24	pk	hor	74.00	-24.76
2480	2304	47.59	pk	ver	95.00	-47.41
2480	2304	25.73	avg	ver	54.00	-24.27
2480	2371	54.20	pk	ver	74.00	-19.80
2480	2371	26.64	avg	ver	54.00	-27.36
2480	2484	58.63	pk	hor	74.00	-15.37
2480	2484	42.37	avg	hor	54.00	-11.63
2480	2484	61.20	pk	ver	74.00	-12.80
2480	2484	48.32	avg	ver	54.00	-05.68
2480	2488	54.06	pk	hor	74.00	-19.94
2480	2488	48.39	avg	hor	54.00	-05.61
2480	4960	48.47	pk	hor	74.00	-25.53
2480	7440	49.27	pk	hor	74.00	-24.73

3.4 Test Conditions and Results - Receiver radiated emissions

3.4.1 Information

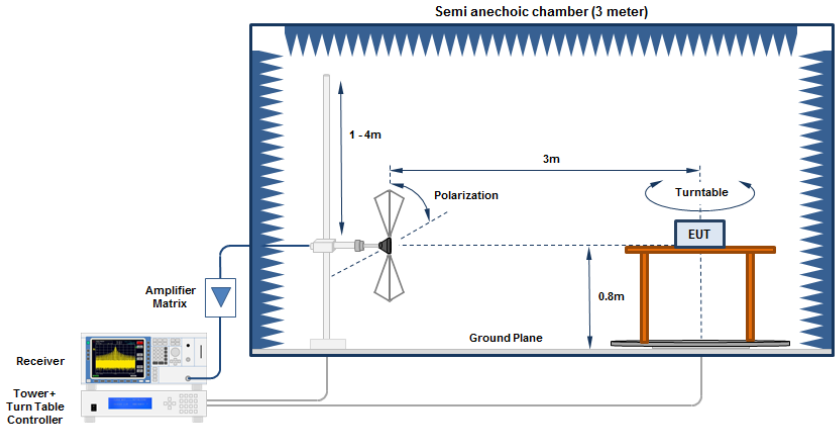
Test Information	
Reference	ISED RSS-247 3.1
Measurement Method	ANSI C63.10 6.5, 6.6, 11.12
Operator	Sebastian Suckow
Date	2018-01-29 – 2018-02-02

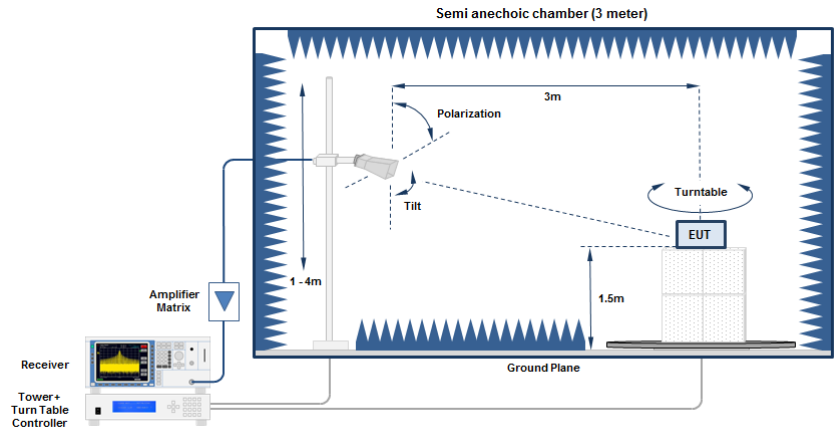
3.4.2 Limits

Limits			
Frequency [MHz]	Detector	Field strength [dBµV/m]	Measurement distance [m]
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

3.4.3 Setup

Test Setup 30 - 1000 MHz



Test Setup > 1 GHz


3.4.4 Equipment

Test Equipment 30 - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	-	-
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2017-08	2018-08
Antenna	R&S	HK 116	EF00012	2016-05	2019-05
Antenna	R&S	HL 223	EF00187	2016-05	2019-05

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	-	-
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2017-08	2018-08
Antenna	R&S	BBHA 9120D	EF01153	2017-08	2018-08
Antenna	Amplifier Research	AT4560	EF01152	2017-10	2018-10

3.4.5 Procedure

Test Procedure 30 - 1000 MHz
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground 2. EUT set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m 5. All significant emissions are measured again using the corresponding final detector

Test Procedure > 1 GHz
1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground 2. EUT set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m 5. All significant emissions are measured again using the corresponding final detector

3.4.6 Results

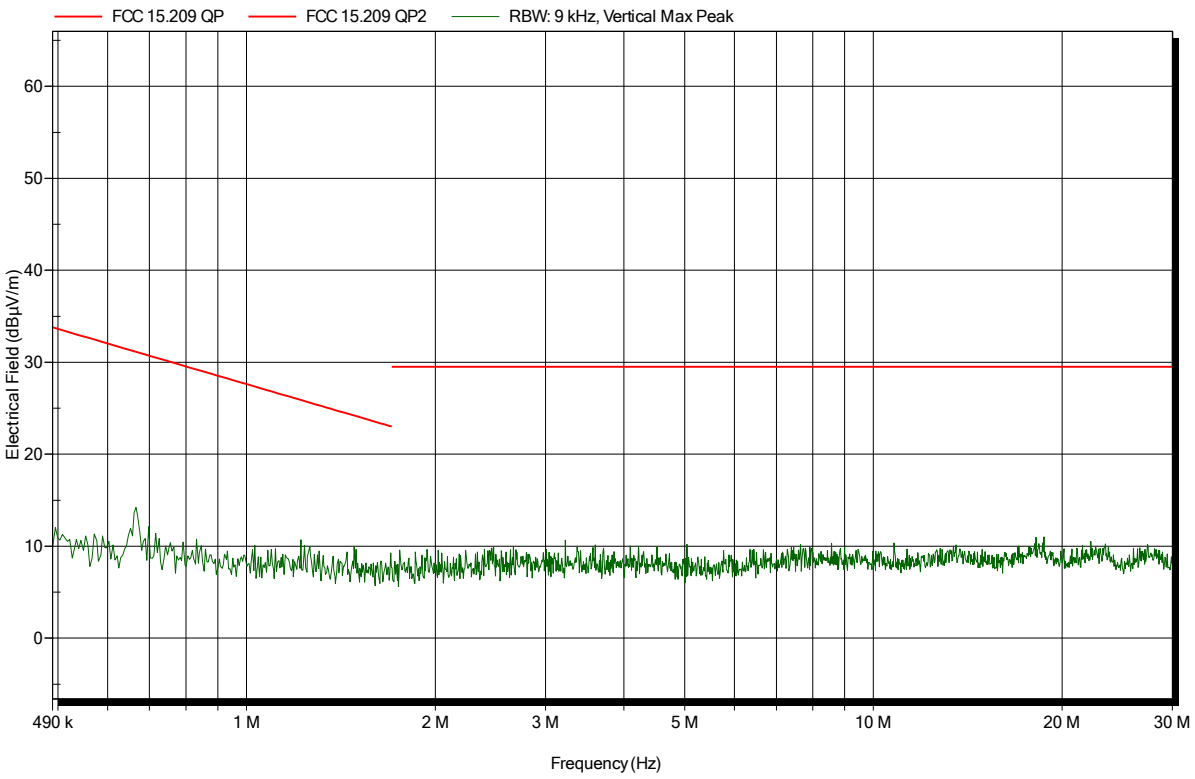
Test Results						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
2440	914.4998	33.60	pk	ver	46.00	-12.39
2440	2260	50.49	pk	ver	53.98	-03.49

ANNEX A Transmitter spurious emissions

Spurious emissions according to FCC 15.247

Project number:	G0M-1712-7109
Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 23°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HFH 2-Z2
Measurement distance:	10 m converted to 30 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-02-20
Note:	

Index 1



Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-02-02
Note:	

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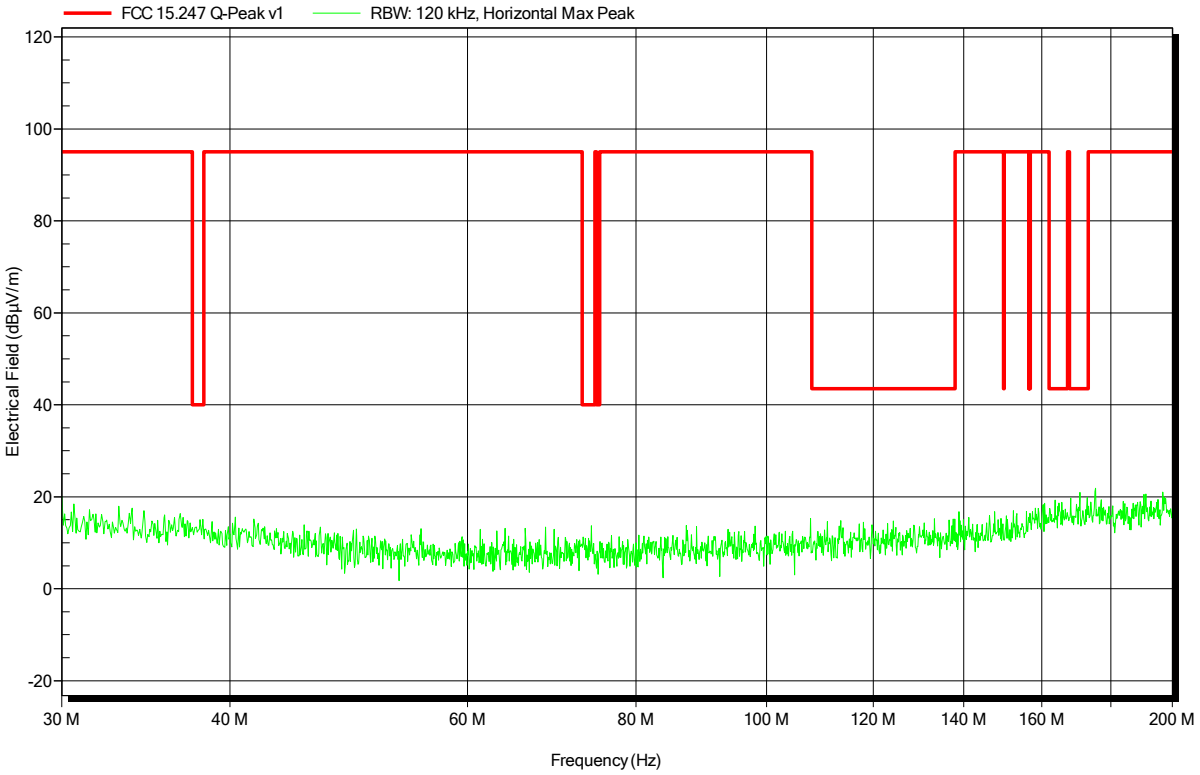

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-02-02
Note:	

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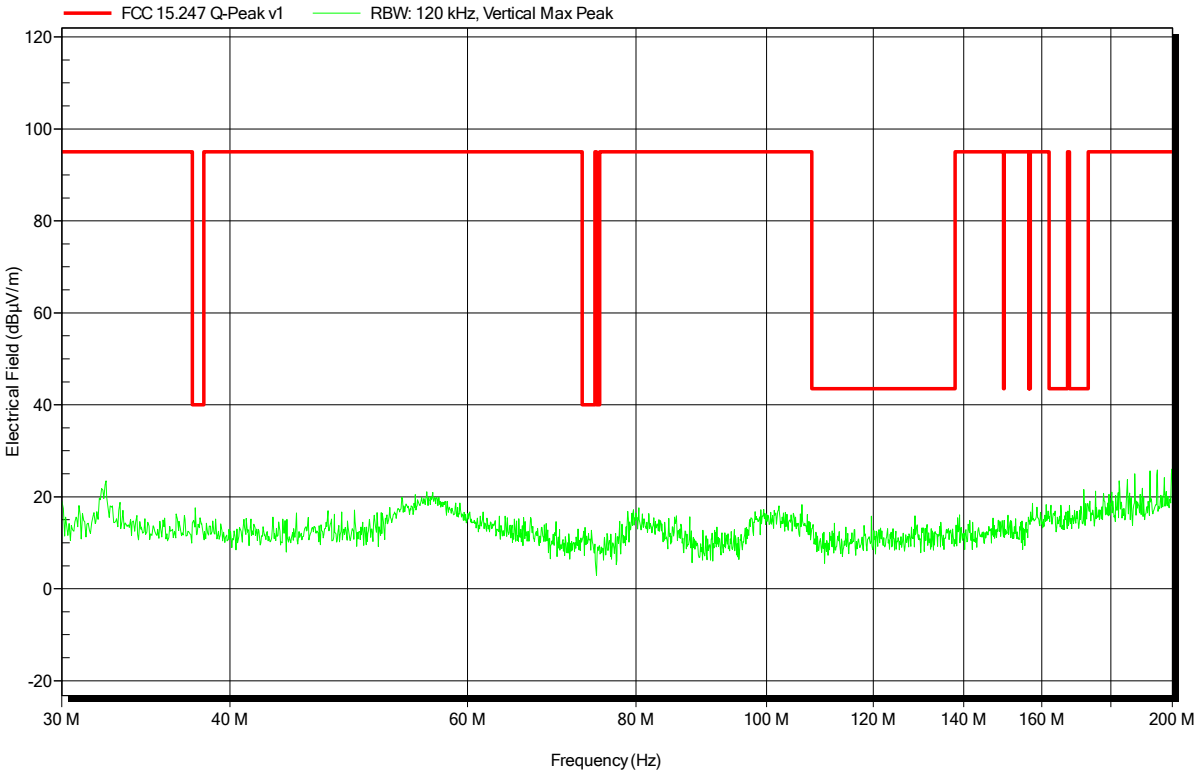
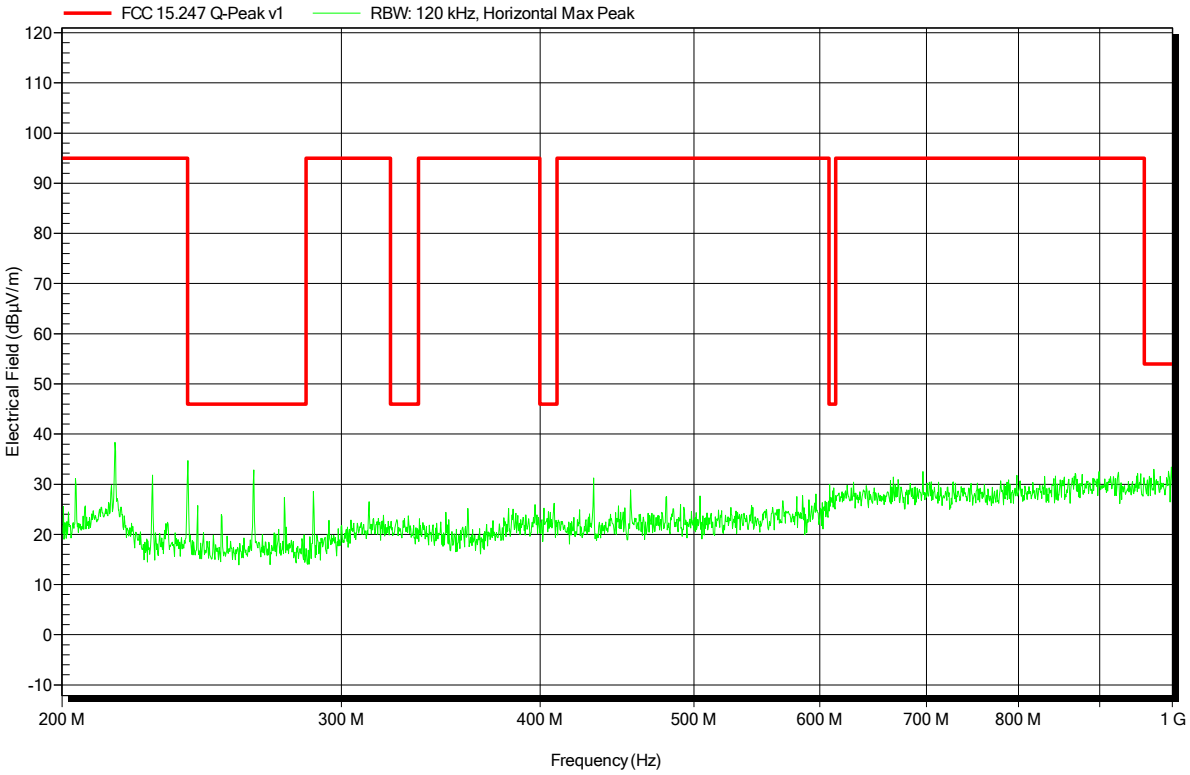


Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-02-02
Note:	

Index 2

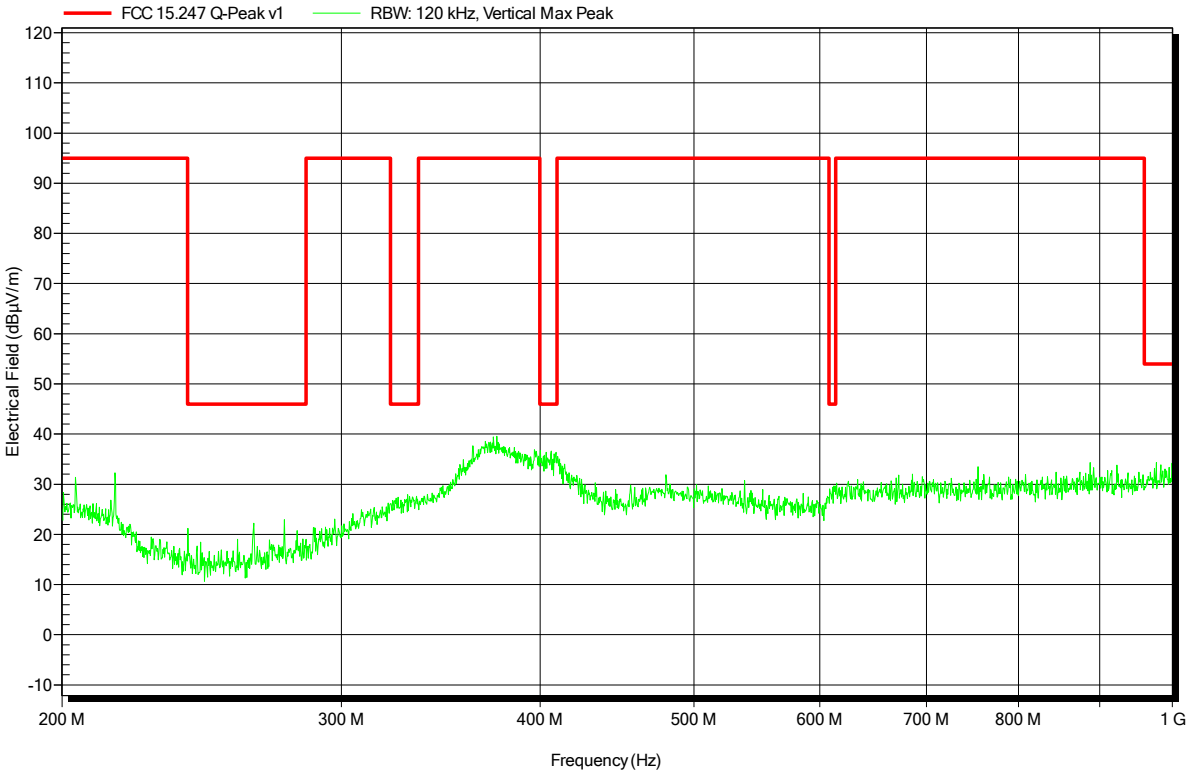


Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-02-02
Note:	

Index 3



Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	

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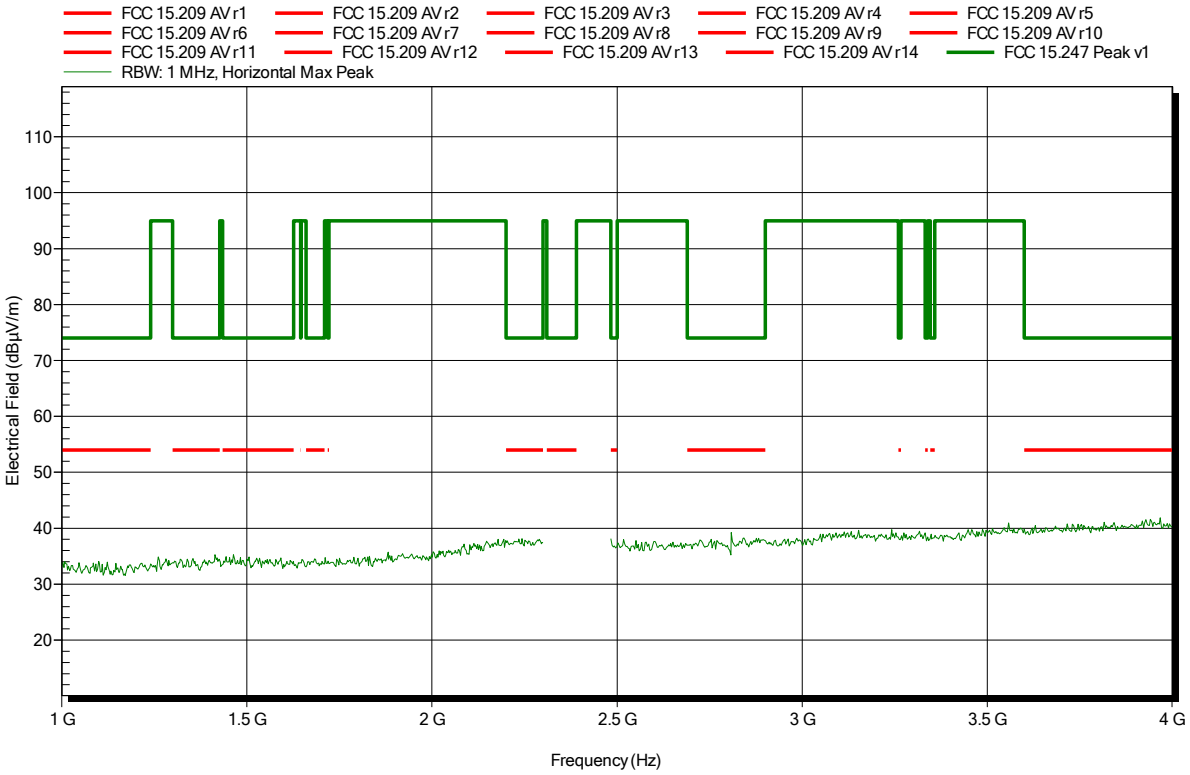

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	

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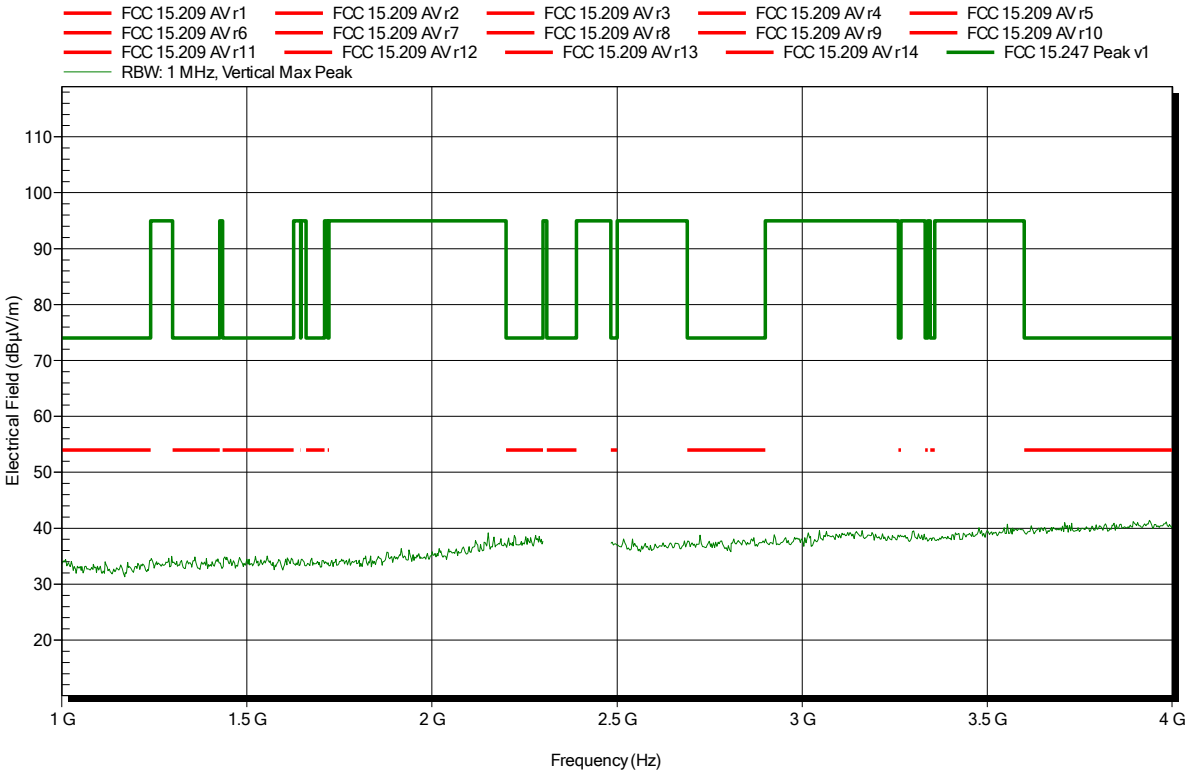

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	lower bandedge

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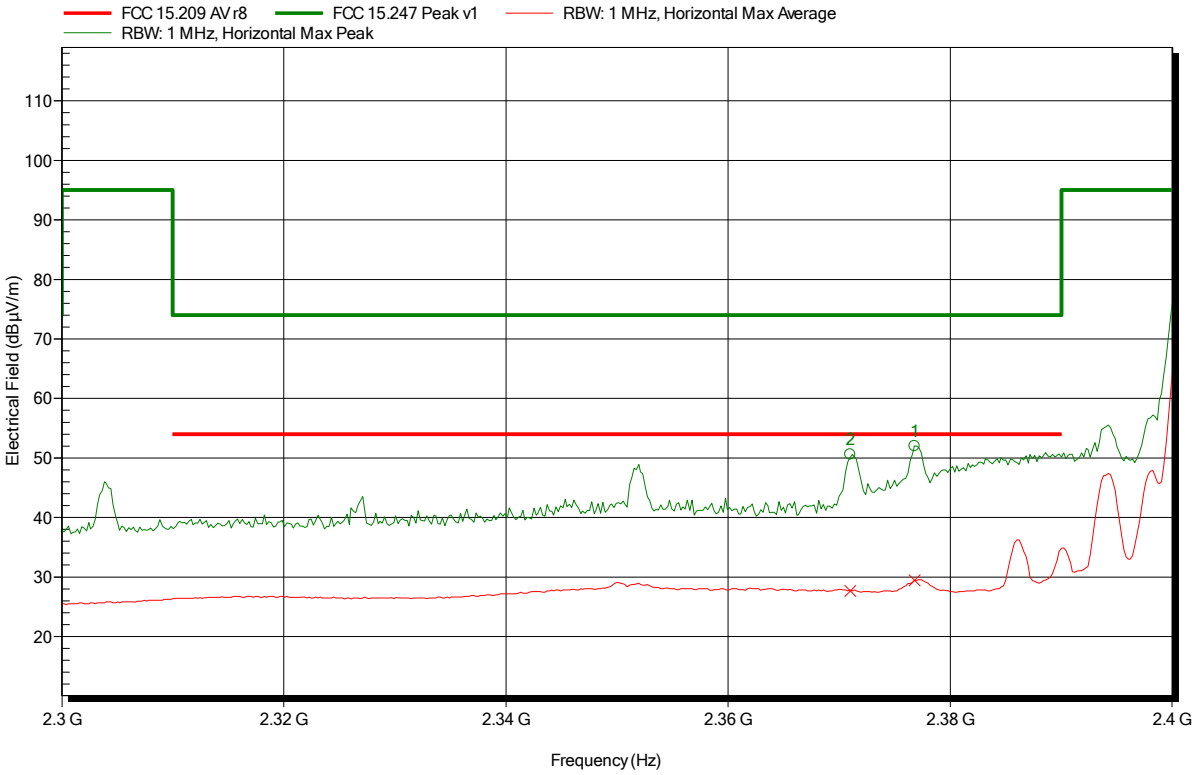

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.371 GHz	50.57 dBµV/m	74 dBµV/m	-23.43 dB	Pass
2.377 GHz	51.98 dBµV/m	74 dBµV/m	-22.02 dB	Pass

Frequency	Average	Average Limit	Average Difference	Average Status
2.371 GHz	27.68 dBµV/m	54 dBµV/m	-26.32 dB	Pass
2.377 GHz	29.41 dBµV/m	54 dBµV/m	-24.59 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	lower bandedge

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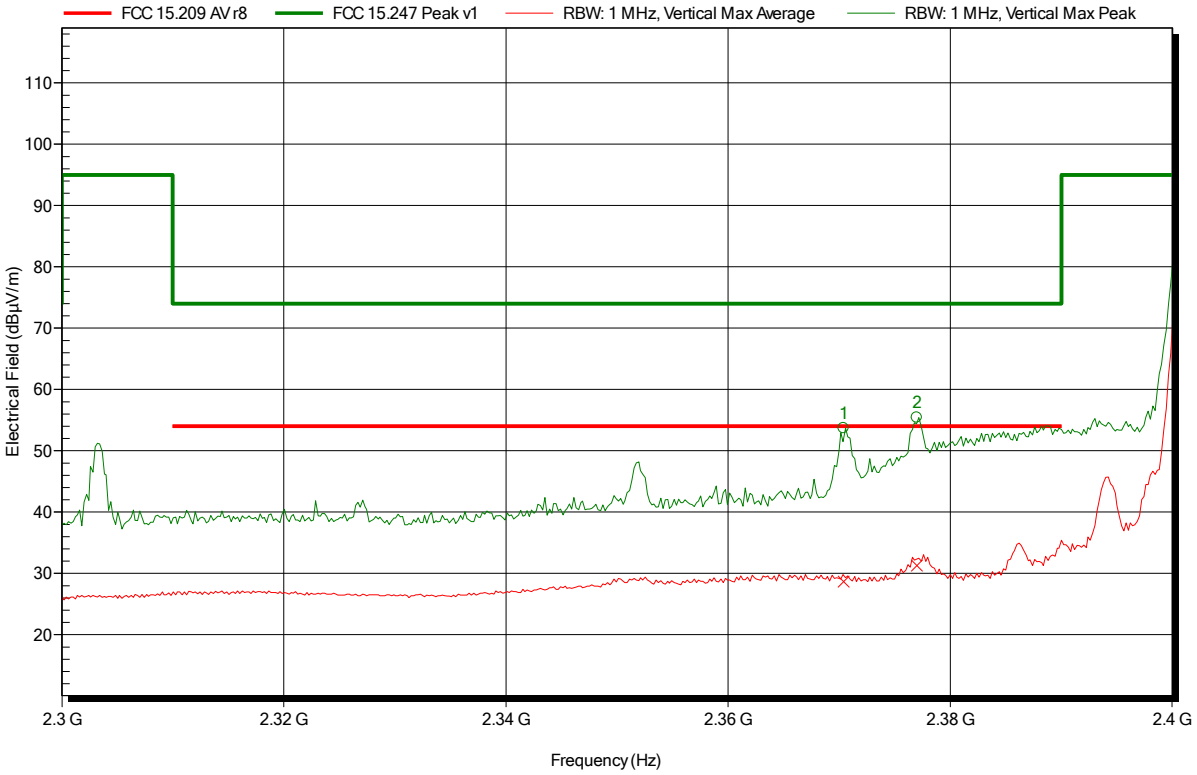

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.37 GHz	53.7 dBµV/m	74 dBµV/m	-20.3 dB	Pass
2.377 GHz	55.41 dBµV/m	74 dBµV/m	-18.59 dB	Pass

Frequency	Average	Average Limit	Average Difference	Average Status
2.37 GHz	28.65 dBµV/m	54 dBµV/m	-25.35 dB	Pass
2.377 GHz	31.29 dBµV/m	54 dBµV/m	-22.71 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	

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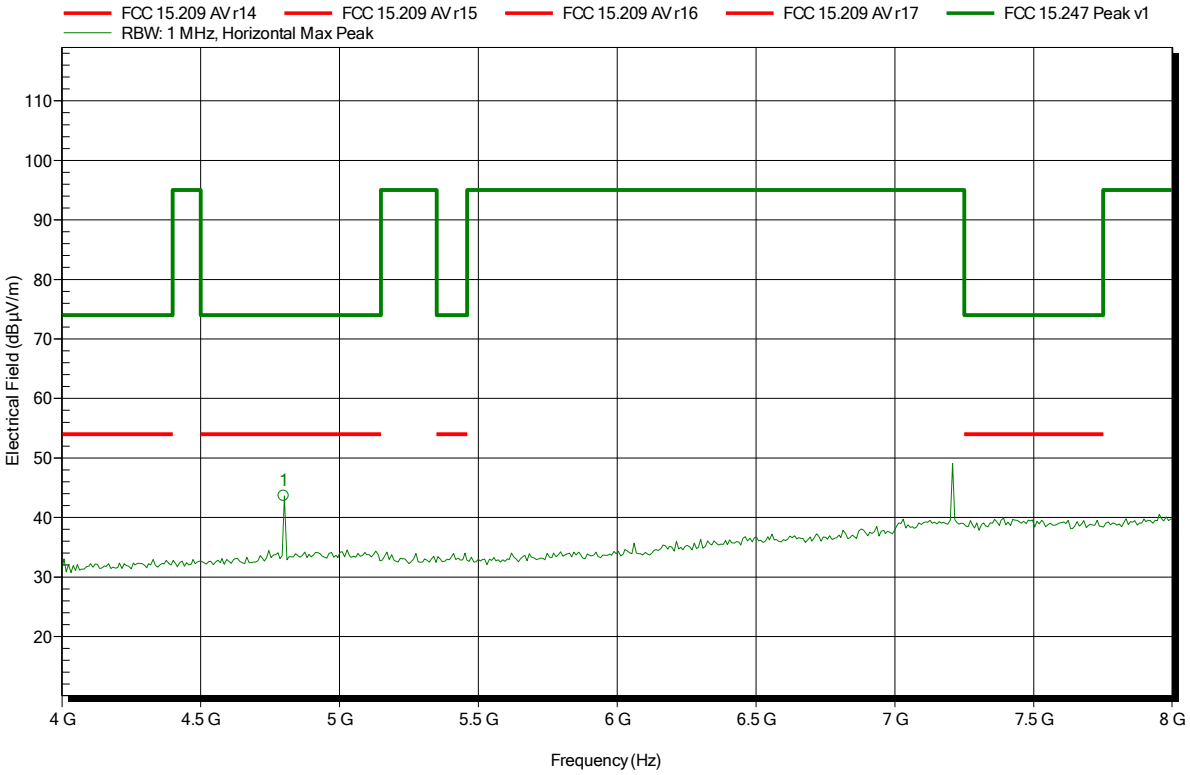

Frequency	Peak	Peak Limit	Peak Difference	Status
4.8 GHz	43.62 dBµV/m	74 dBµV/m	-30.38 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	

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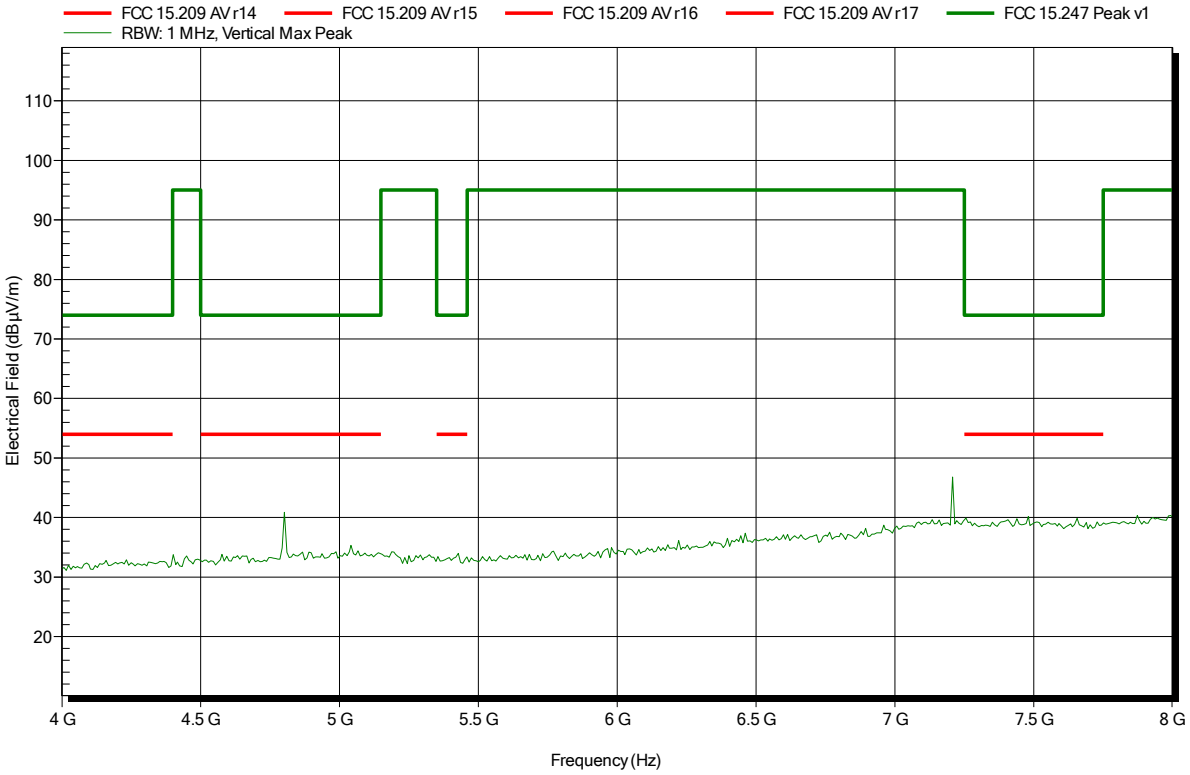

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	

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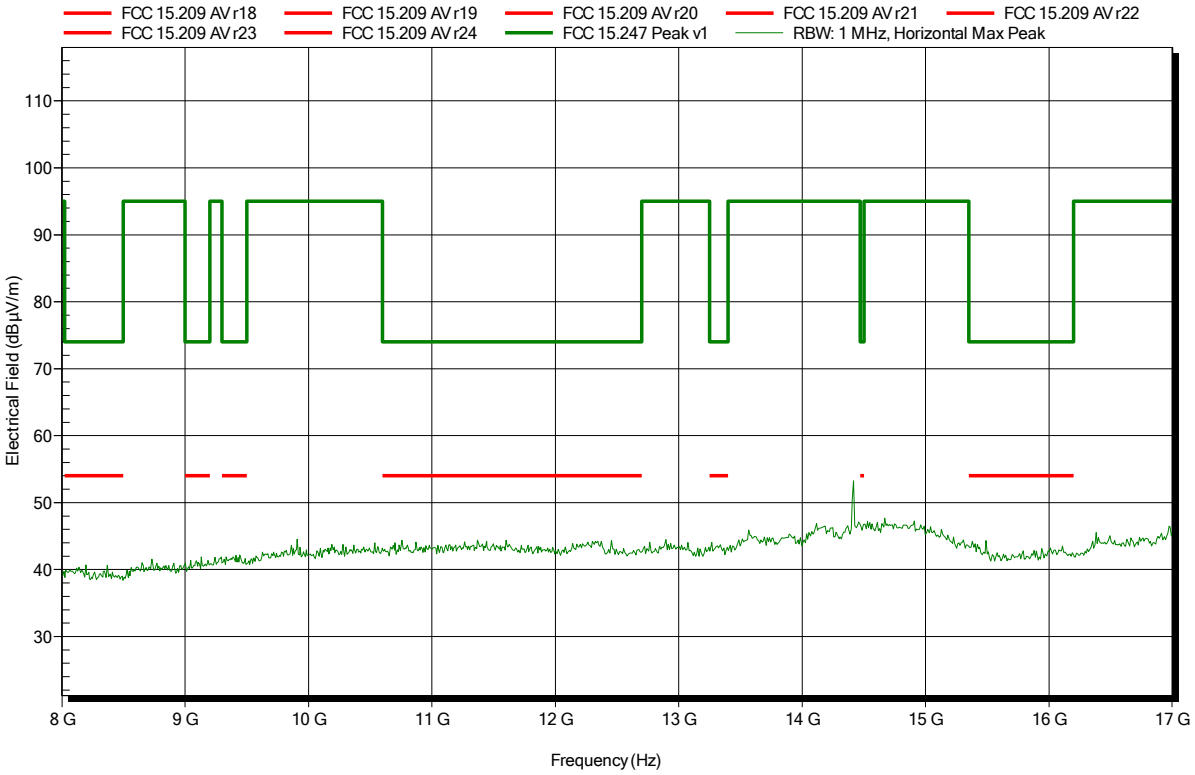

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	

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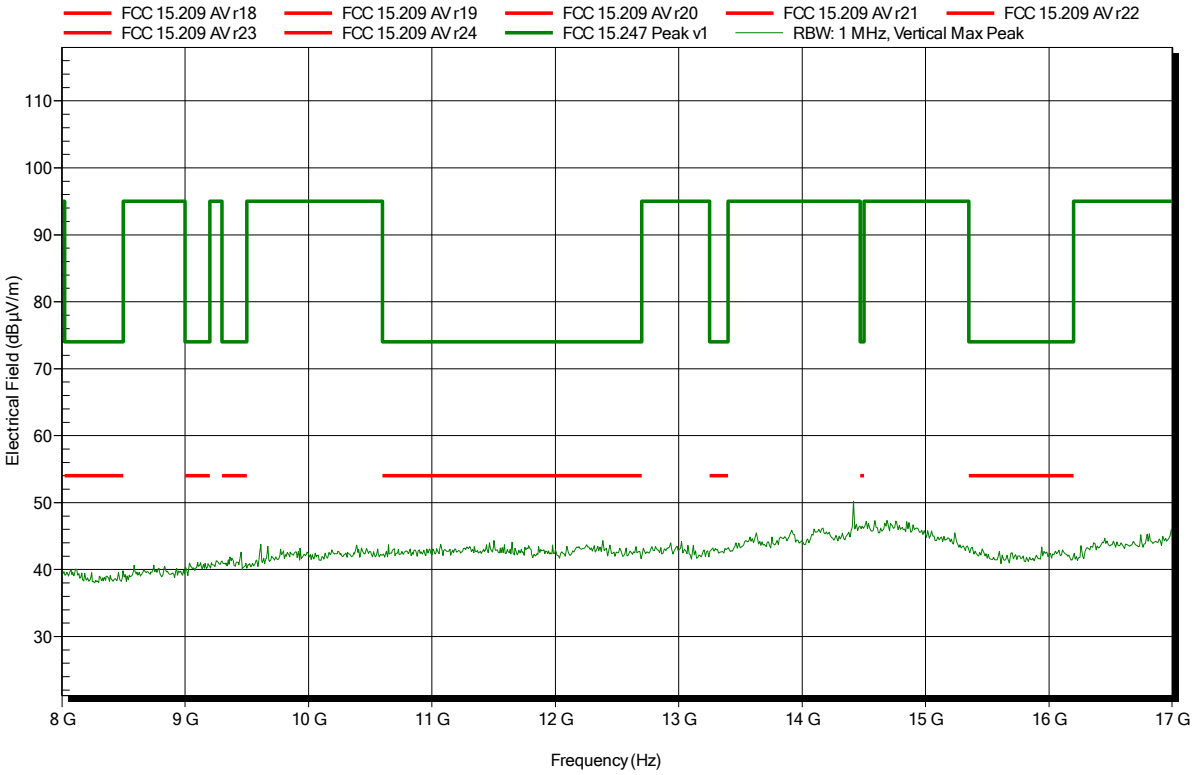

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	ATH18G40, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	

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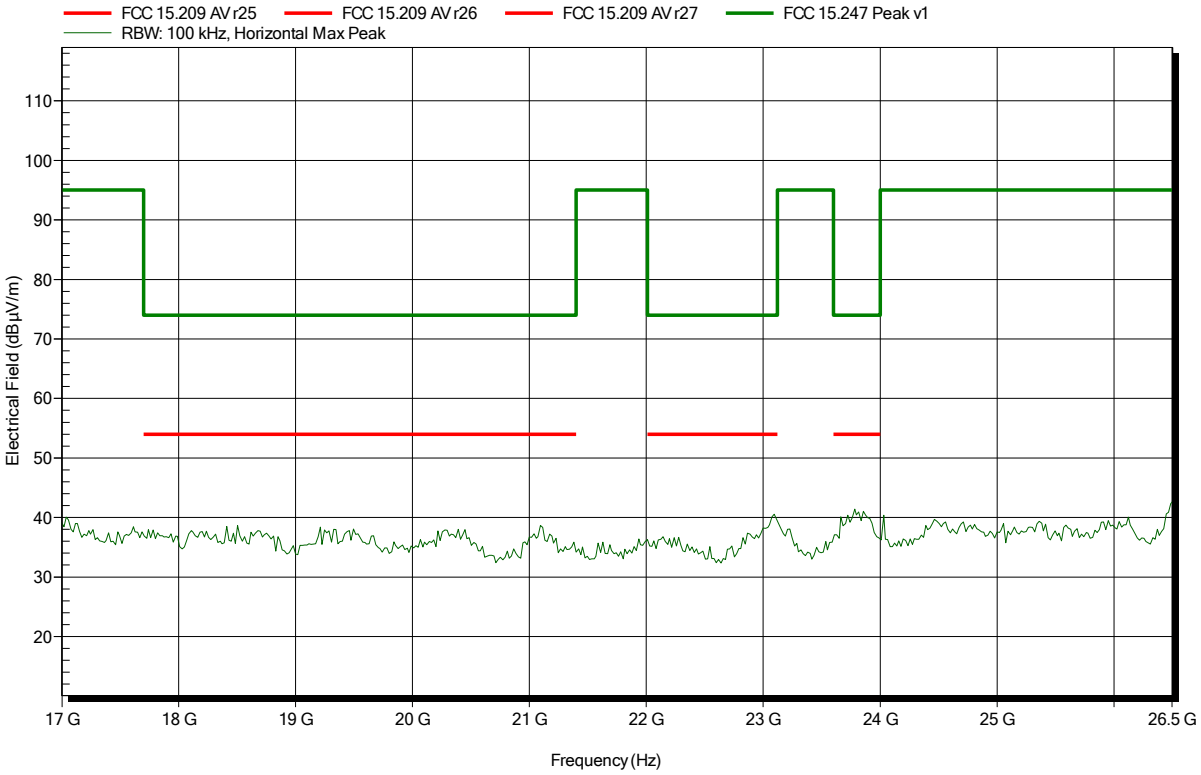

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	ATH18G40, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2402 MHz
Test Date:	2018-01-30
Note:	

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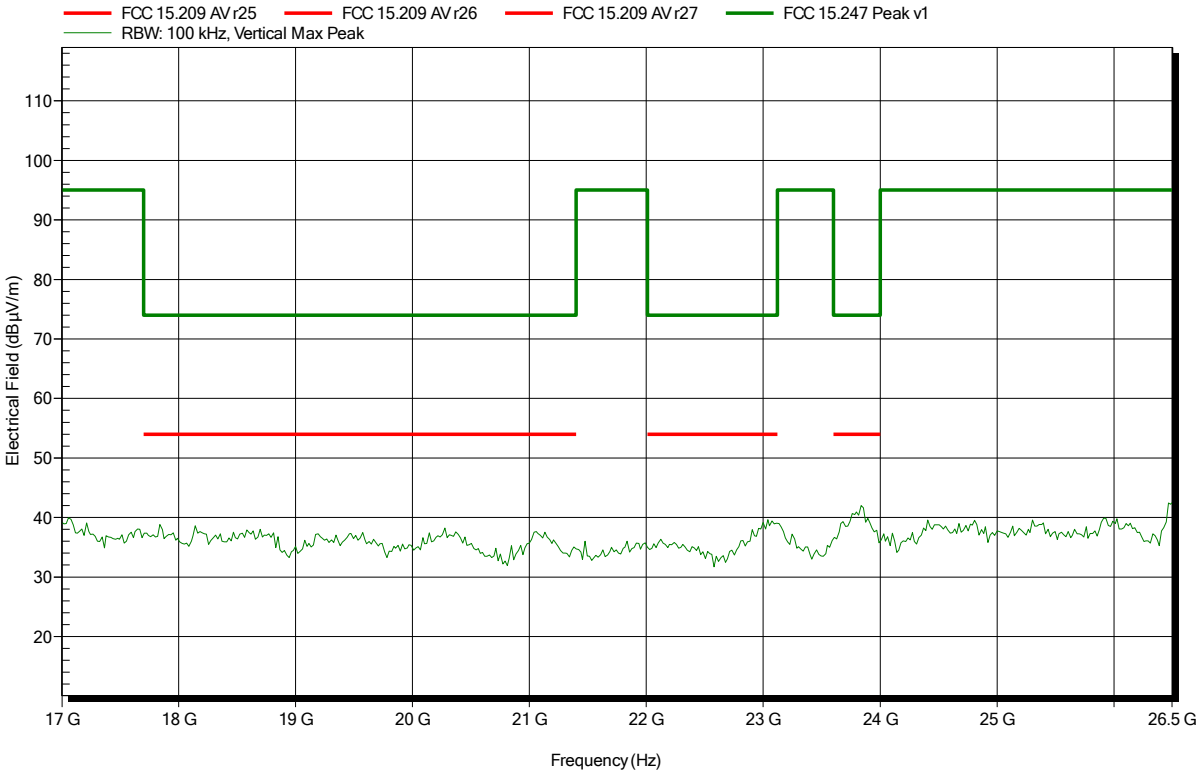
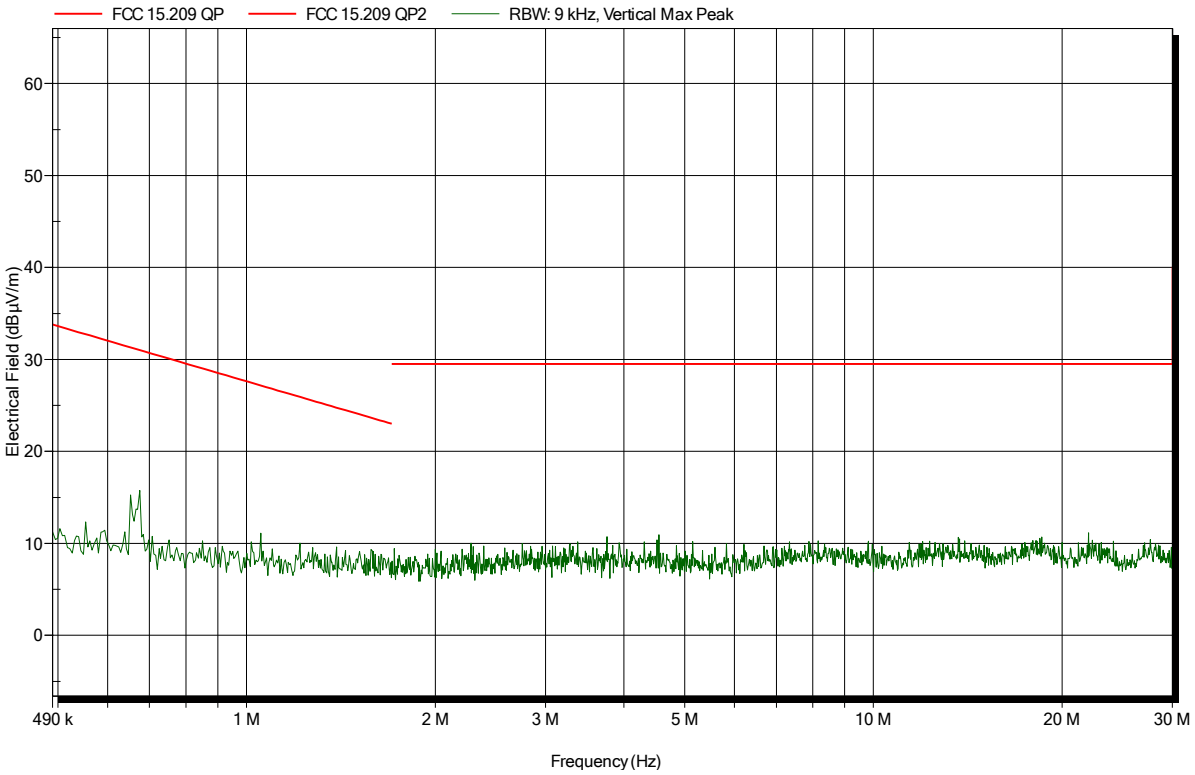


Spurious emissions according to FCC 15.247

Project number:	G0M-1712-7109
Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 23°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HFH 2-Z2
Measurement distance:	10 m converted to 30 m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-02-20
Note:	

Index 2



Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-02-02
Note:	

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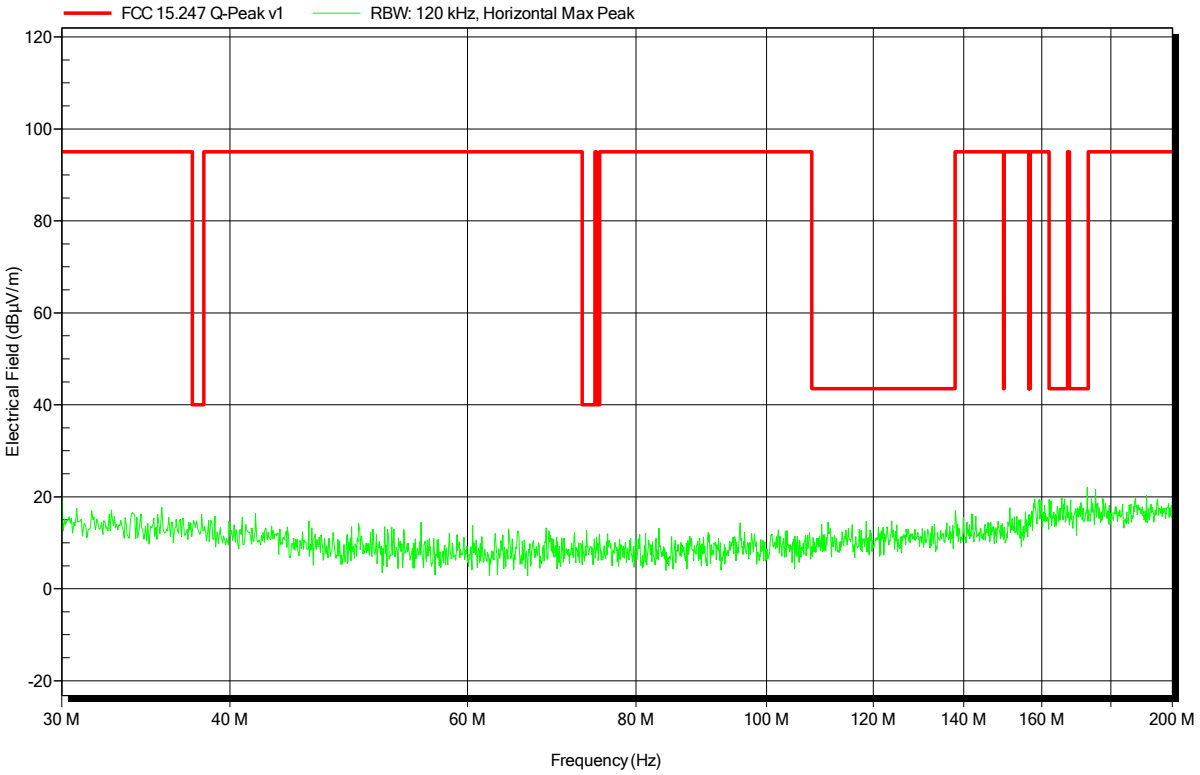

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-02-02
Note:	

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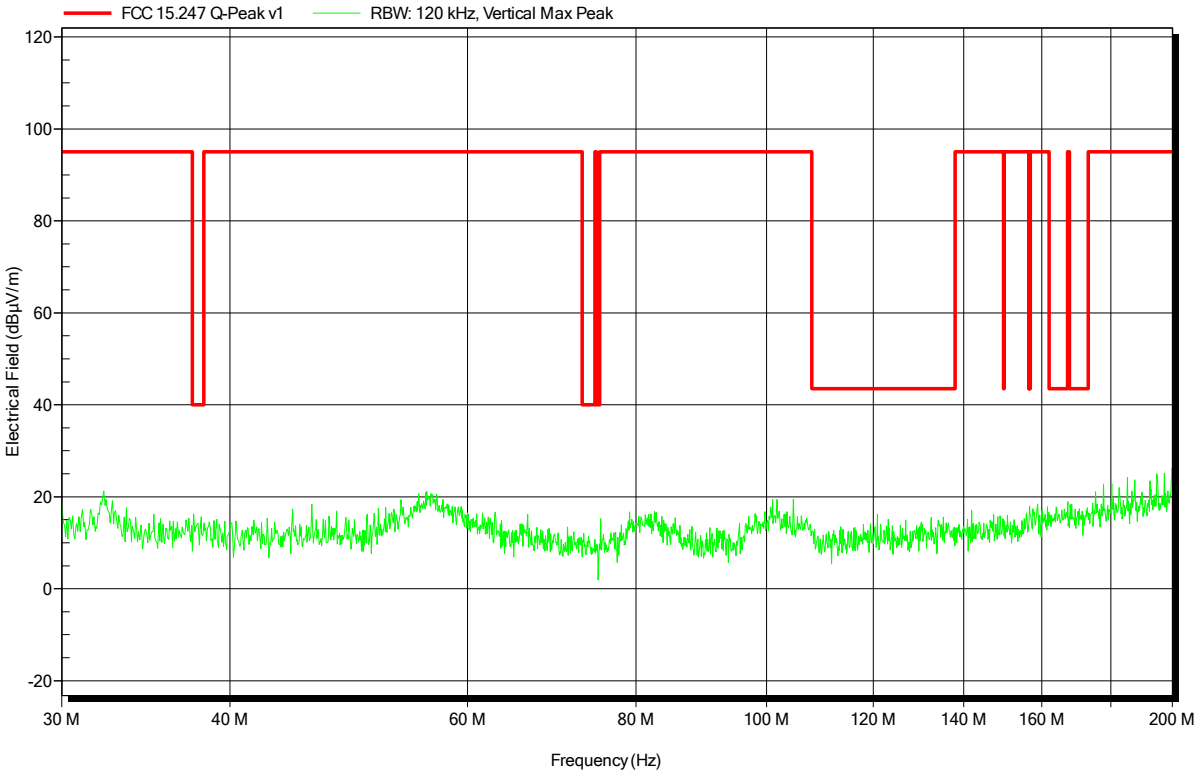
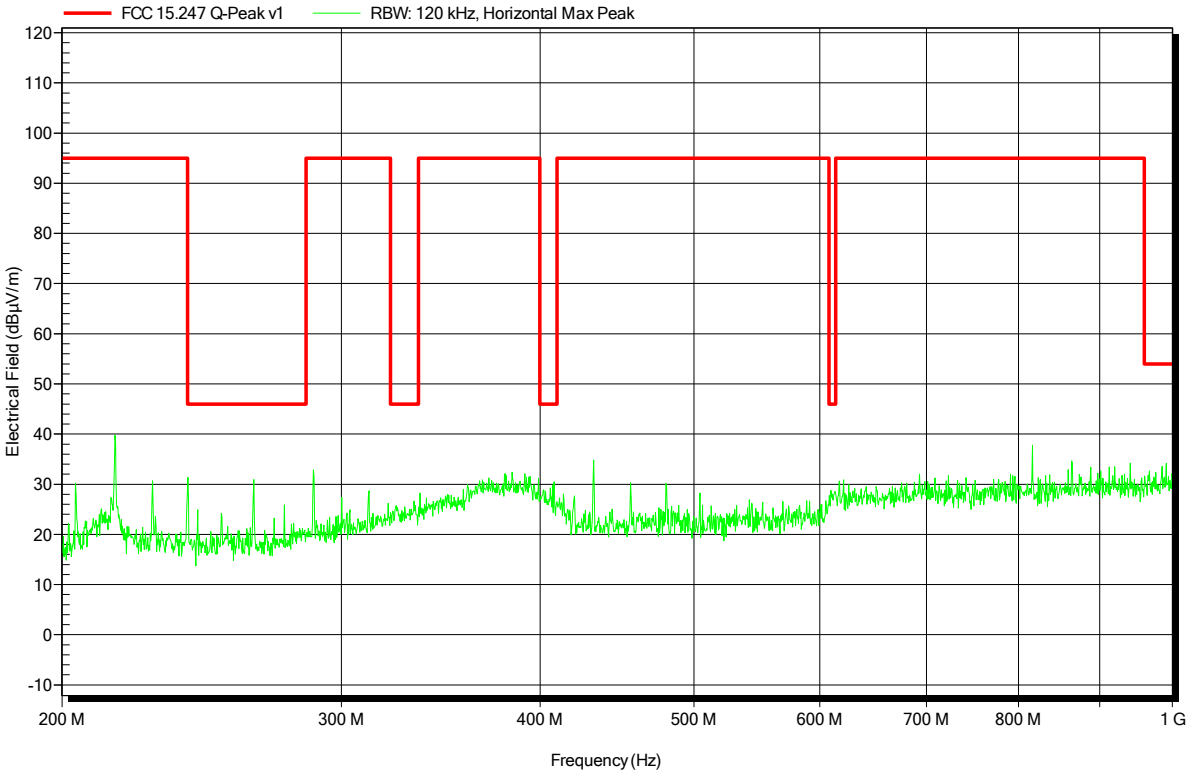


Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-02-02
Note:	

Index 6

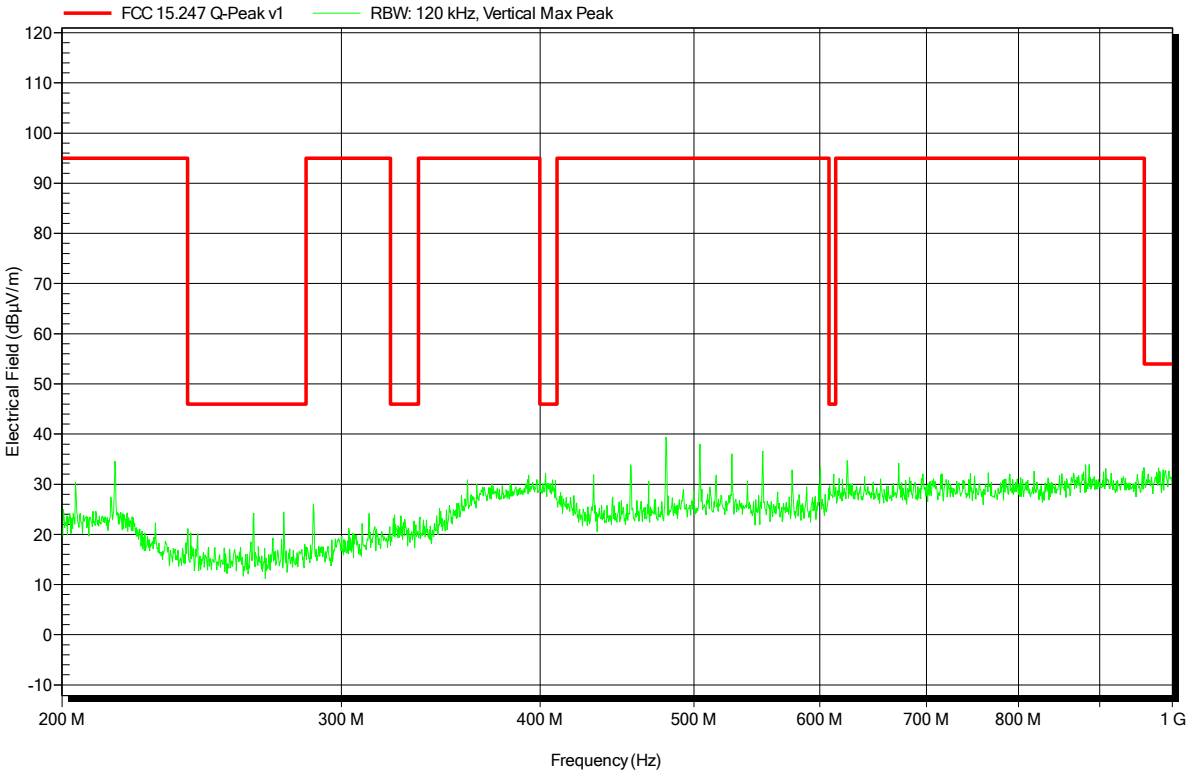


Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-02-02
Note:	

Index 5



Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-01-30
Note:	

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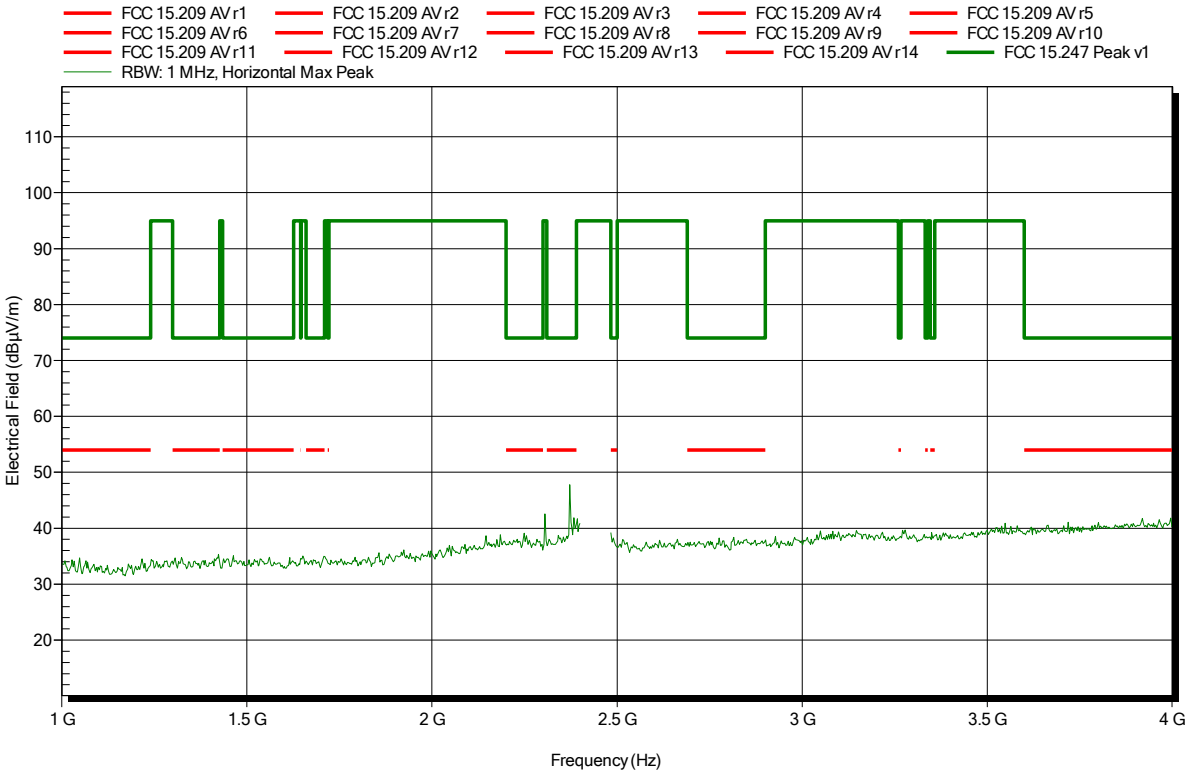

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-01-30
Note:	

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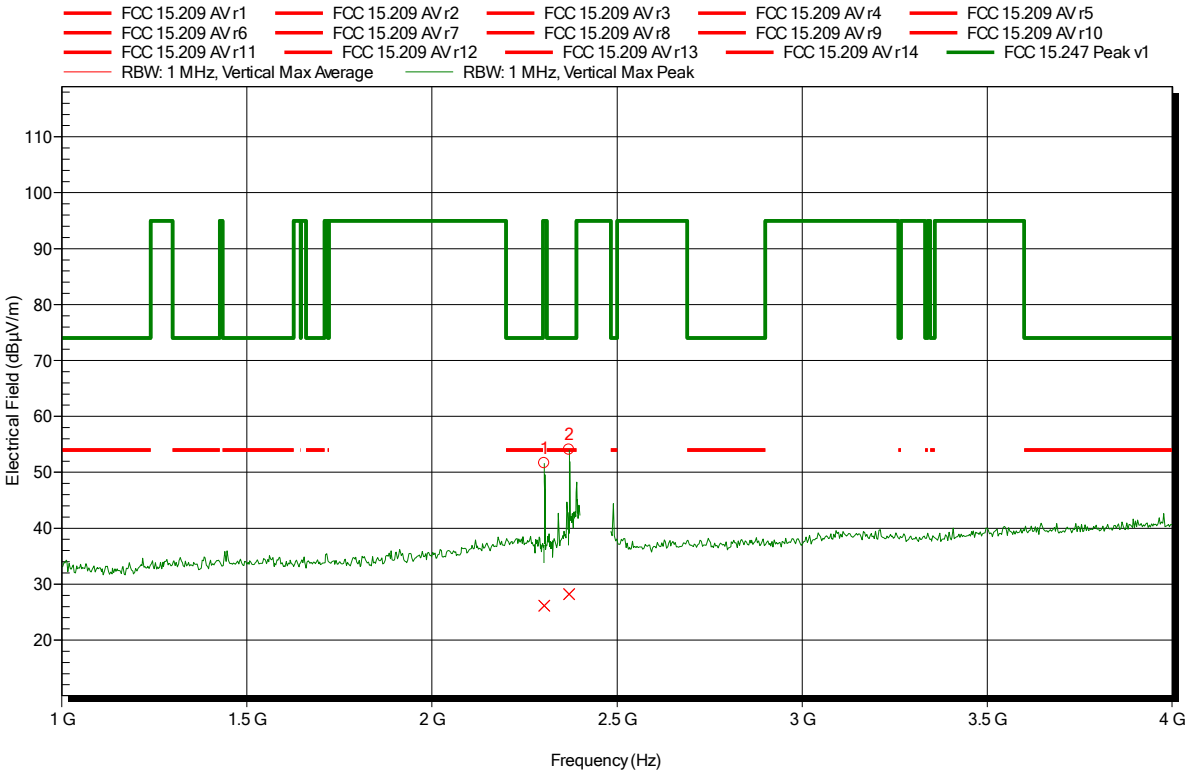

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.304 GHz	51.62 dBµV/m	95 dBµV/m	-43.38 dB	Pass
2.371 GHz	54.05 dBµV/m	74 dBµV/m	-19.95 dB	Pass

Frequency	Average	Average Limit	Average Difference	Average Status
2.304 GHz	26.14 dBµV/m	54 dBµV/m	-23.86 dB	Pass
2.371 GHz	28.22 dBµV/m	54 dBµV/m	-25.78 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-01-30
Note:	

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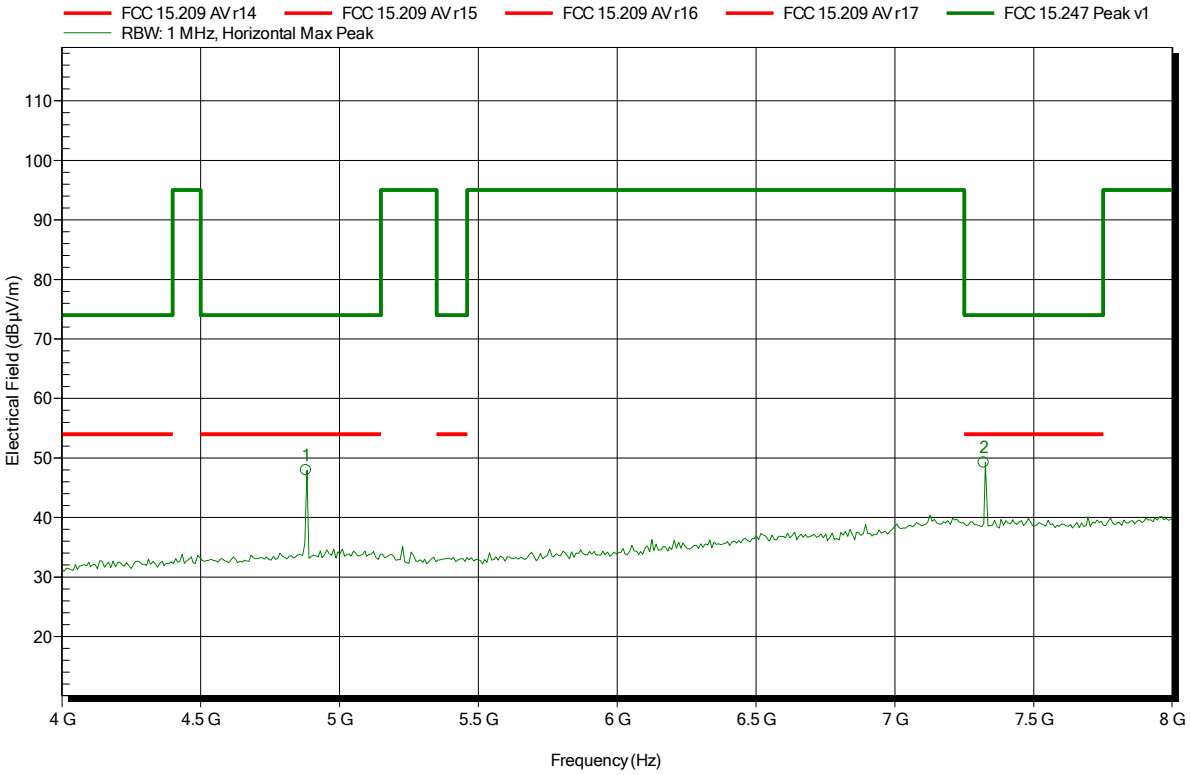

Frequency	Peak	Peak Limit	Peak Difference	Status
4.88 GHz	47.93 dBµV/m	74 dBµV/m	-26.07 dB	Pass
7.32 GHz	49.24 dBµV/m	74 dBµV/m	-24.76 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-01-30
Note:	

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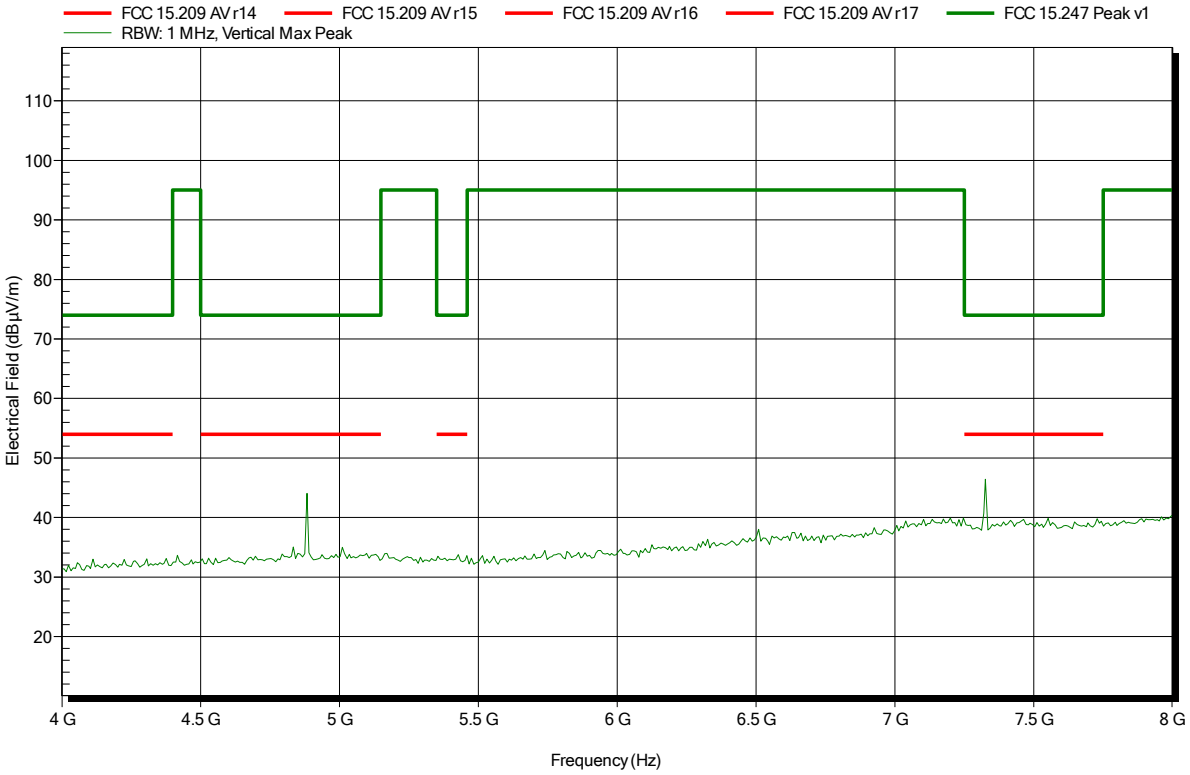

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-01-30
Note:	

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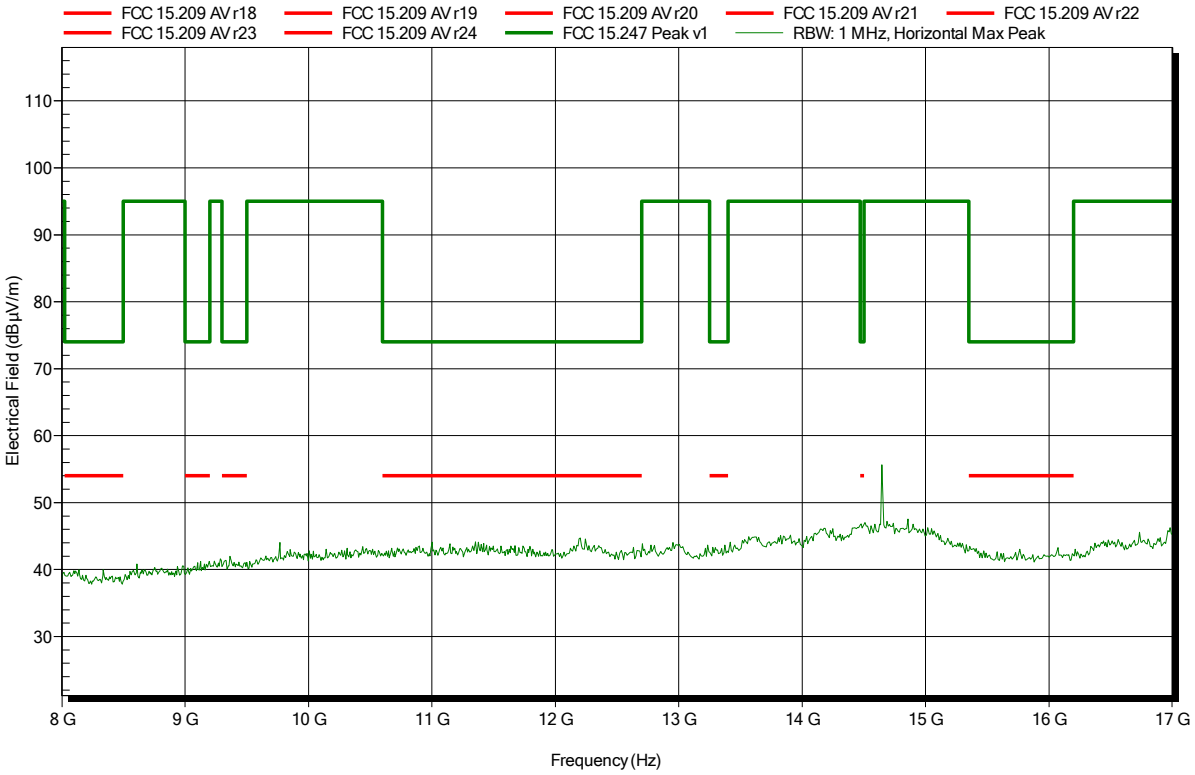

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-01-30
Note:	

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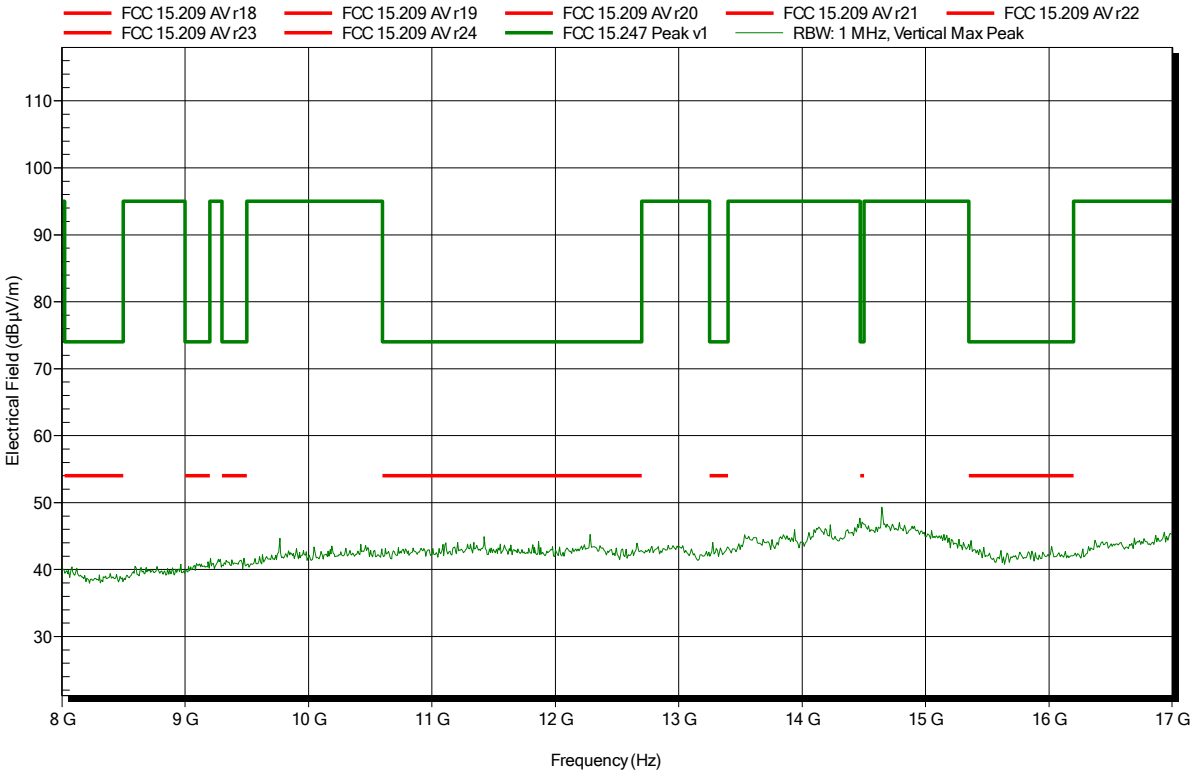

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	ATH18G40, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-01-30
Note:	

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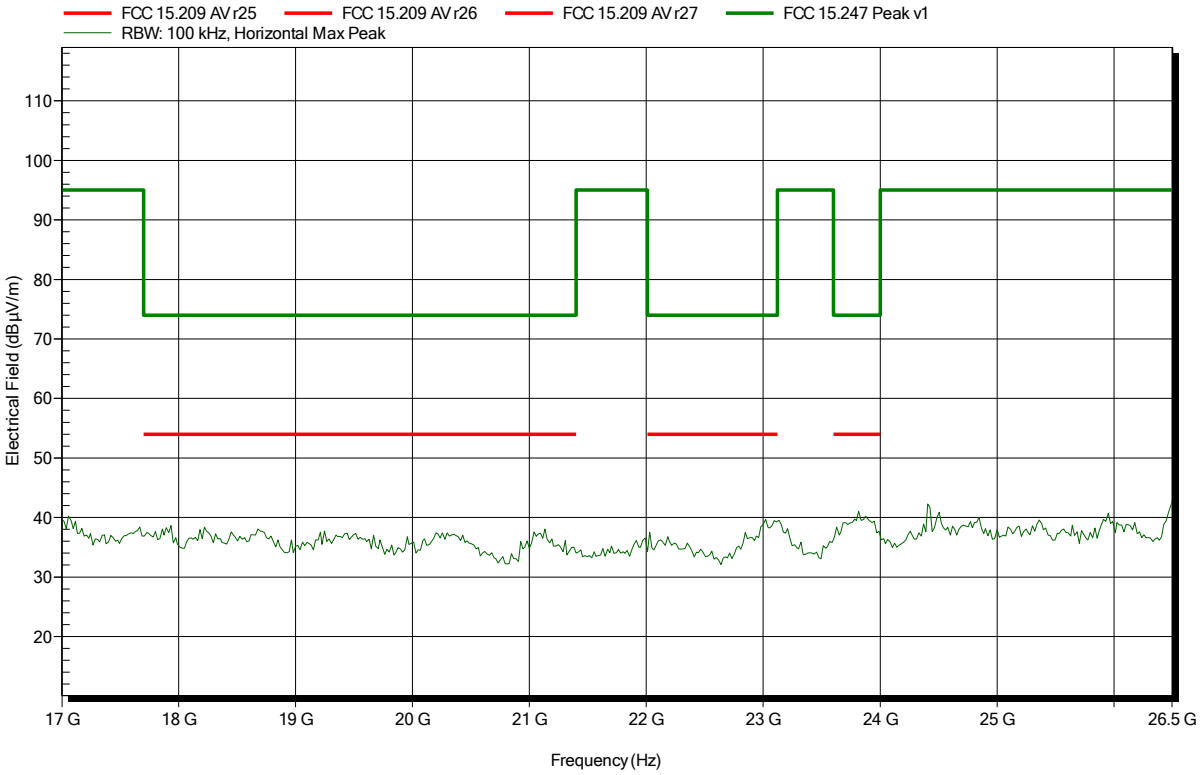

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	ATH18G40, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2441 MHz
Test Date:	2018-01-30
Note:	

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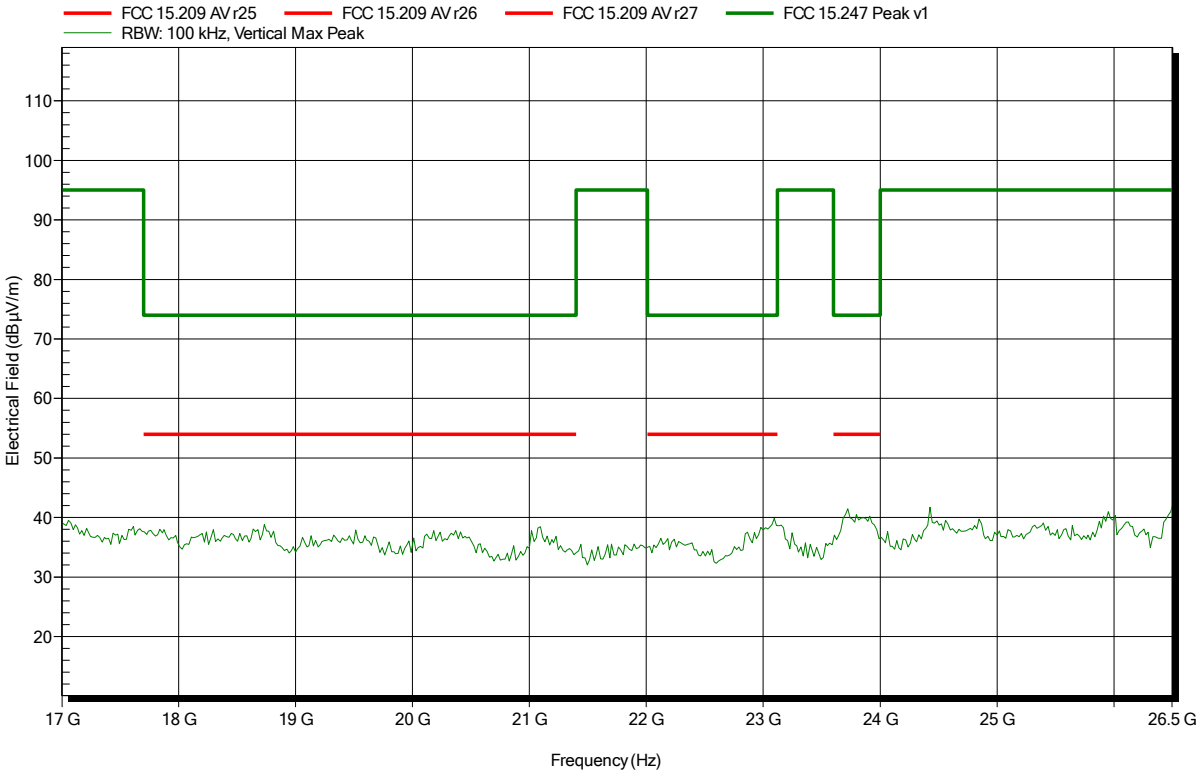
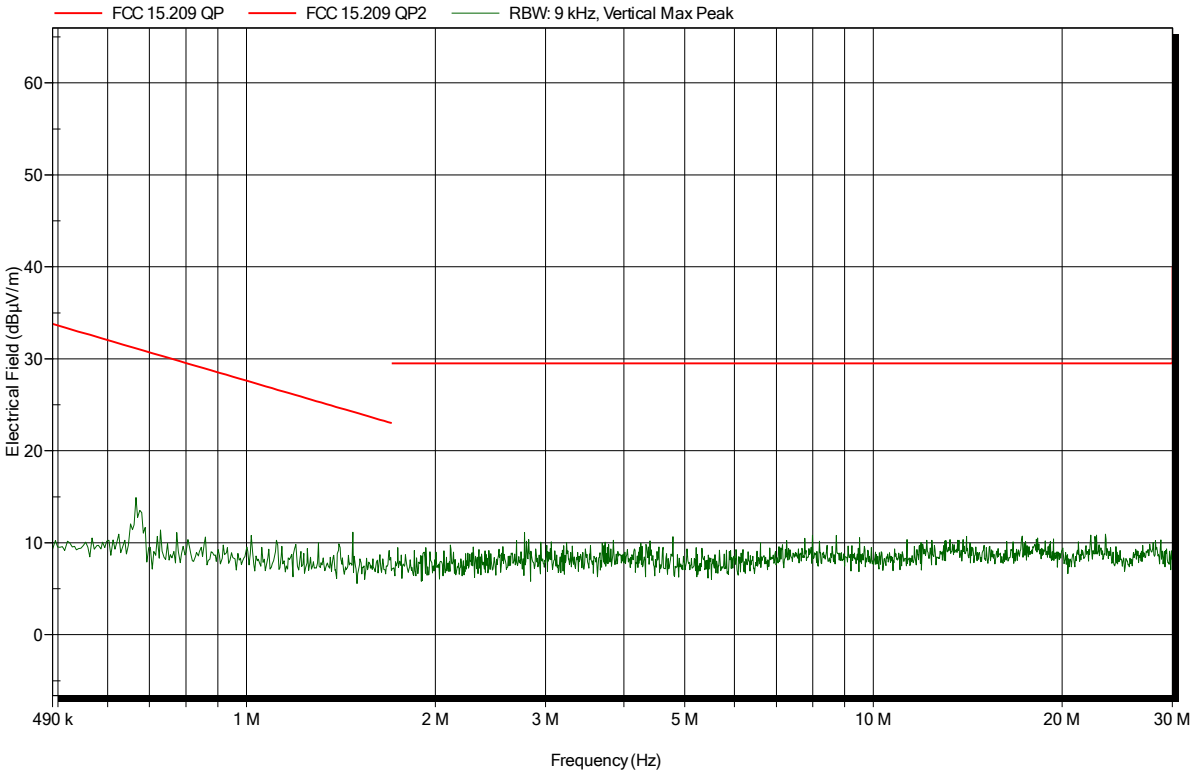


Spurious emissions according to FCC 15.247

Project number:	G0M-1712-7109
Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 23°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HFH 2-Z2
Measurement distance:	10 m converted to 30 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-02-20
Note:	

Index 3



Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-02-02
Note:	

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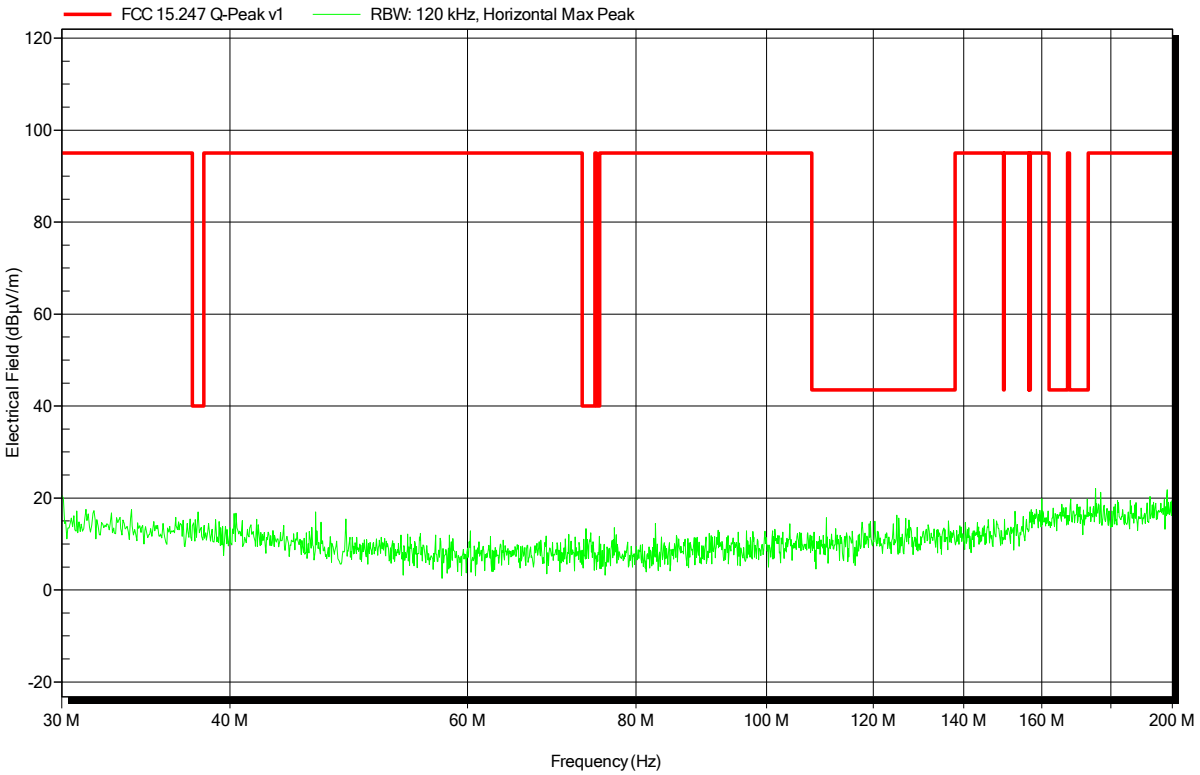

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-02-02
Note:	

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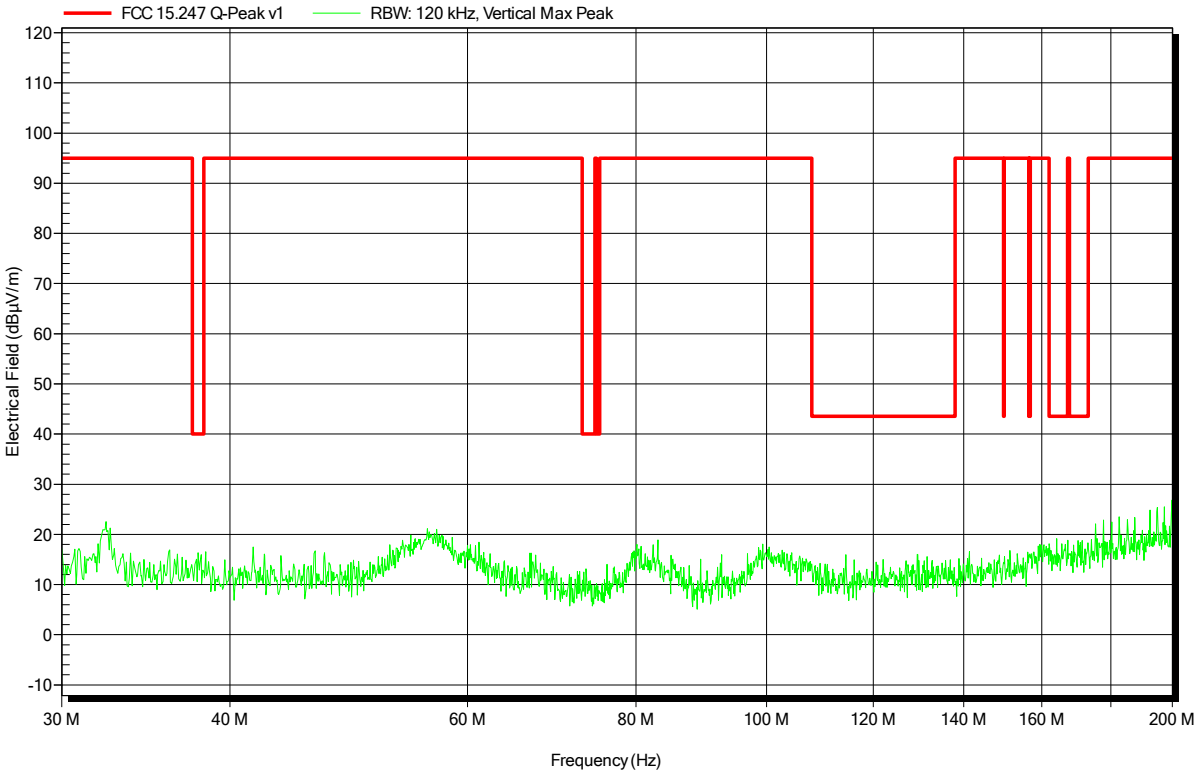

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-02-02
Note:	

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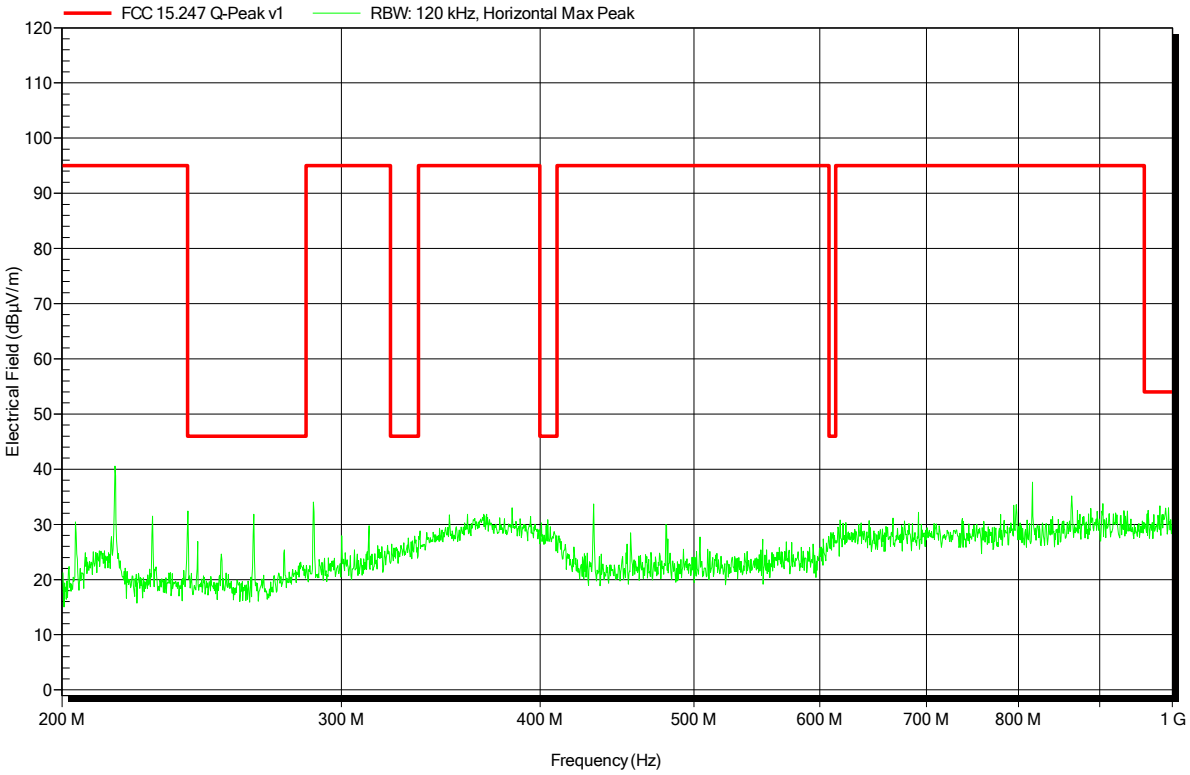

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-02-02
Note:	

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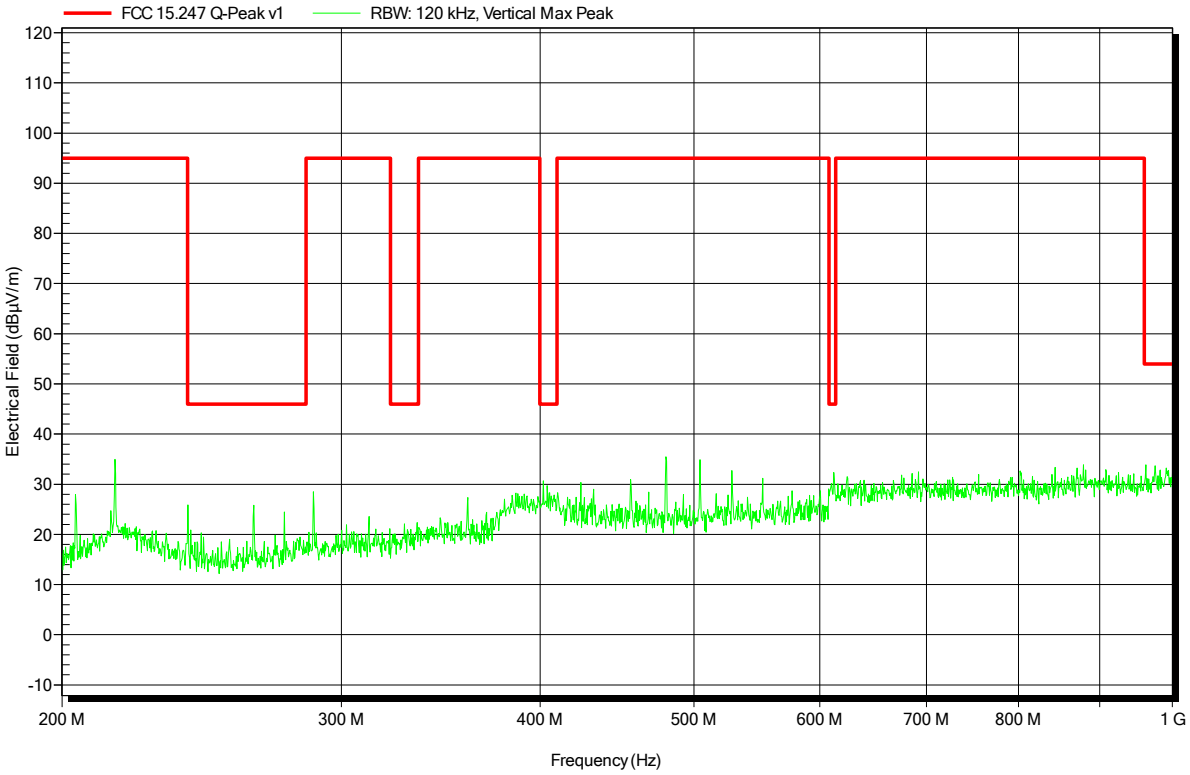

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	higher bandedge

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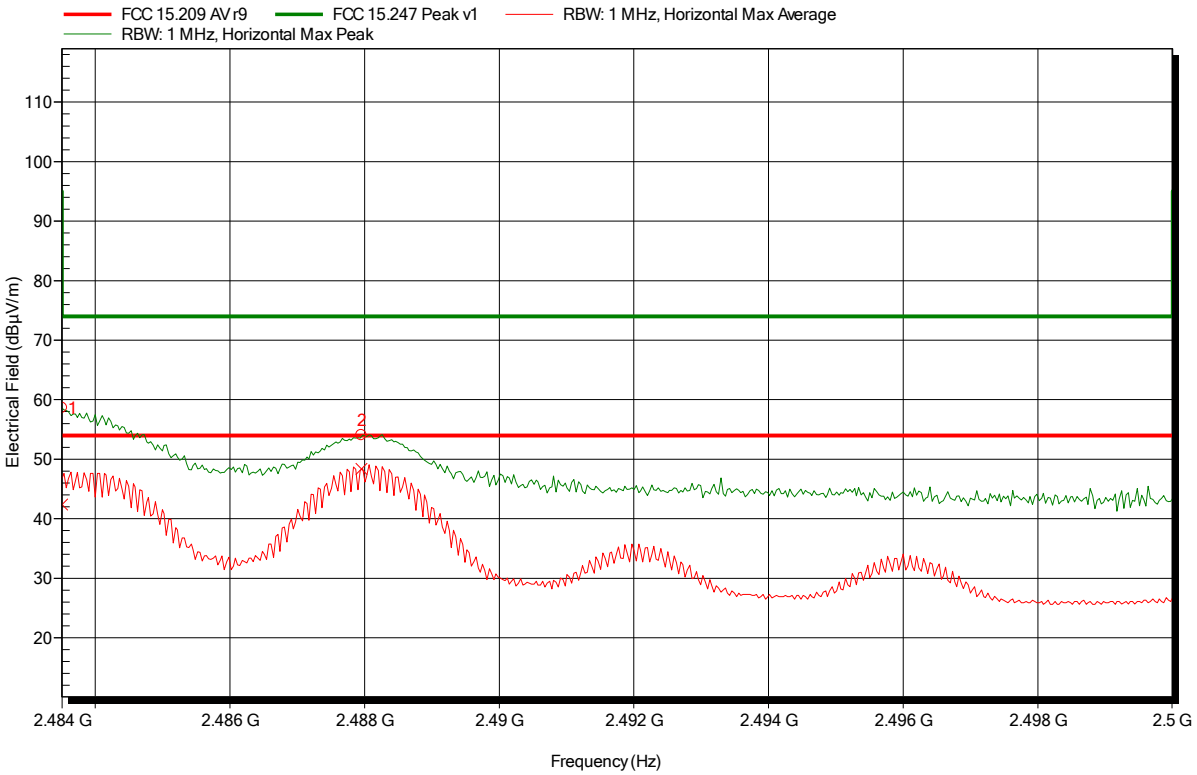

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.484 GHz	58.63 dBµV/m	74 dBµV/m	-15.37 dB	Pass
2.488 GHz	54.06 dBµV/m	74 dBµV/m	-19.94 dB	Pass

Frequency	Average	Average Limit	Average Difference	Average Status
2.484 GHz	42.37 dBµV/m	54 dBµV/m	-11.63 dB	Pass
2.488 GHz	48.39 dBµV/m	54 dBµV/m	-5.61 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	higher bandedge

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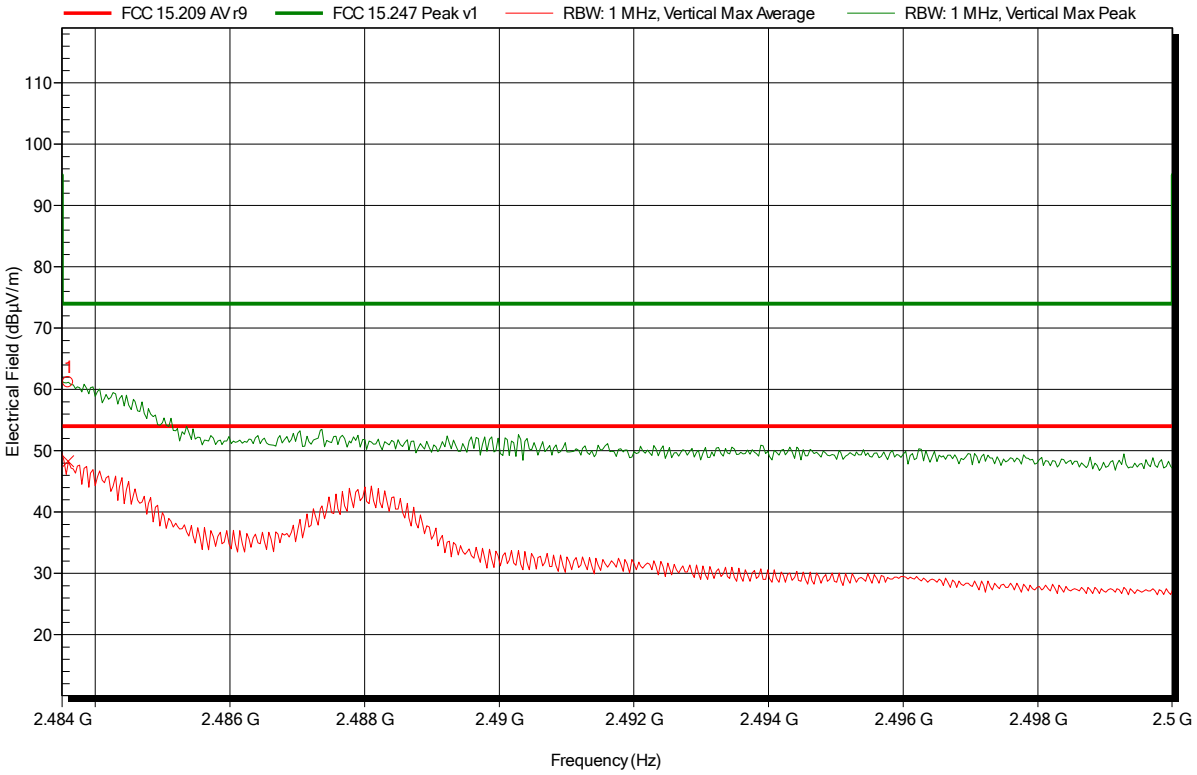

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.484 GHz	61.2 dBµV/m	74 dBµV/m	-12.8 dB	Pass

Frequency	Average	Average Limit	Average Difference	Average Status
2.484 GHz	48.32 dBµV/m	54 dBµV/m	-5.68 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	

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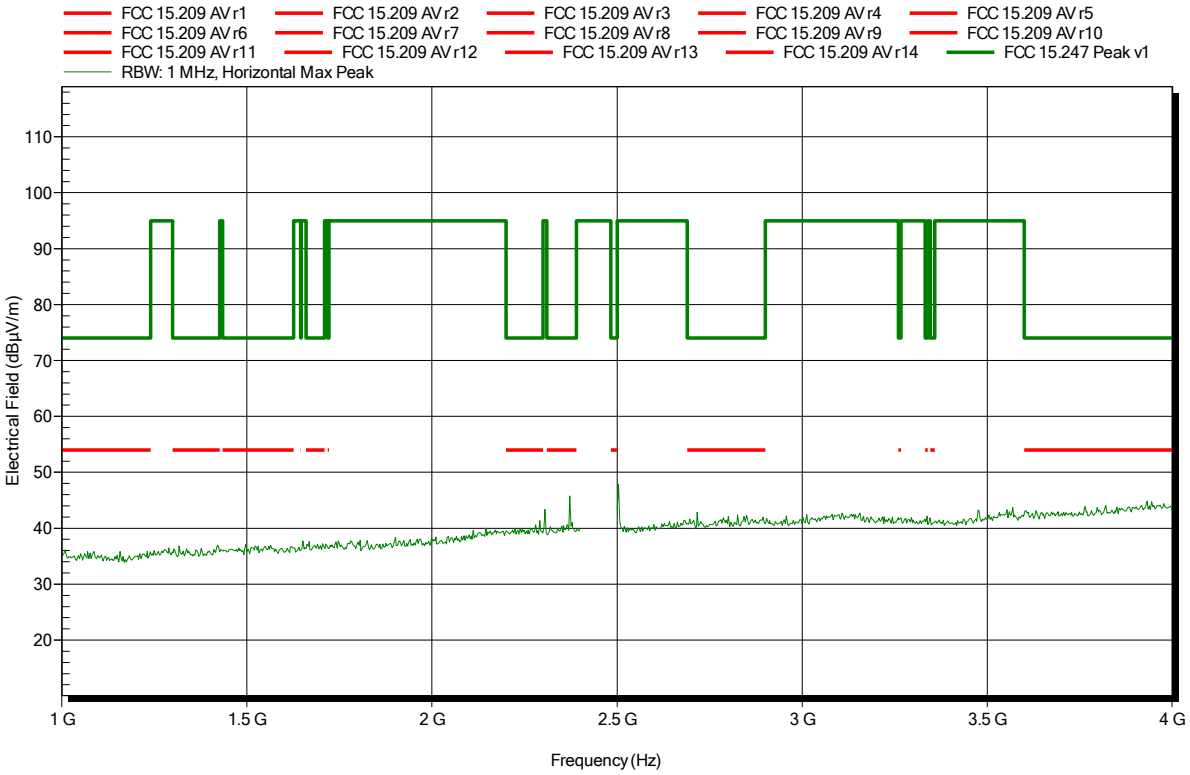

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	

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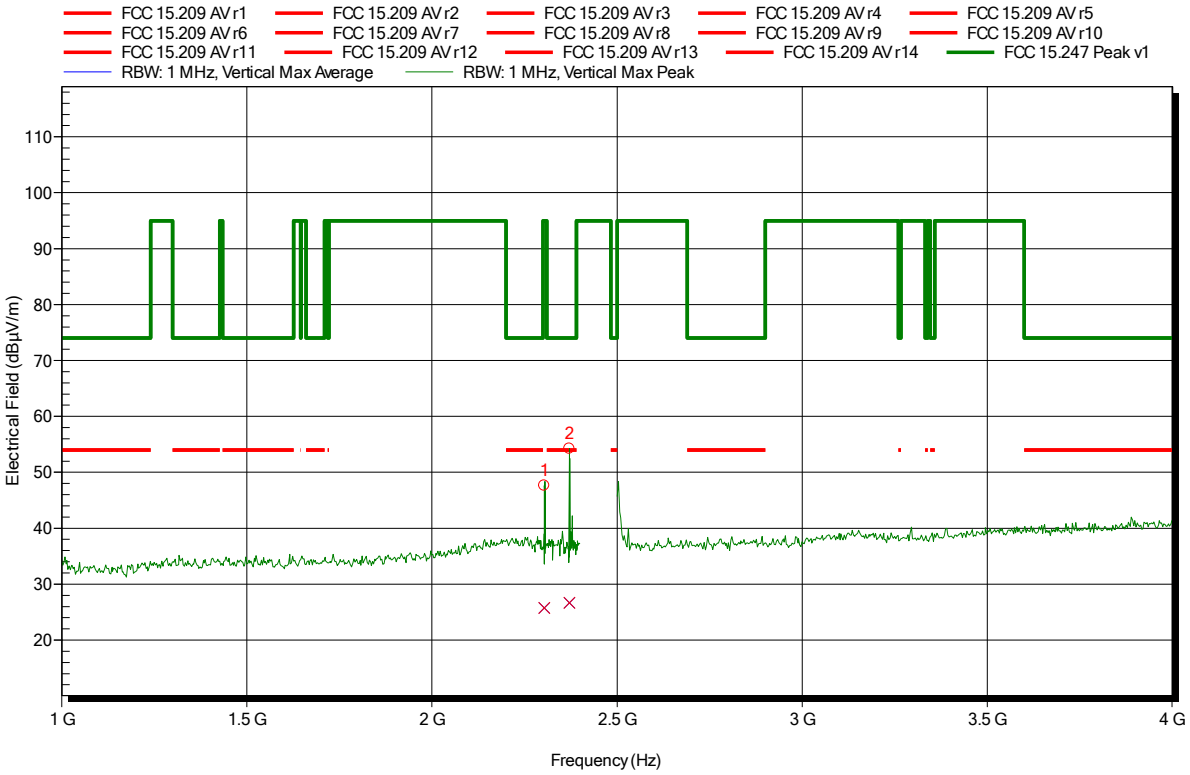

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.304 GHz	47.59 dBµV/m	95 dBµV/m	-47.41 dB	Pass
2.371 GHz	54.2 dBµV/m	74 dBµV/m	-19.8 dB	Pass

Frequency	Average	Average Limit	Average Difference	Average Status
2.304 GHz	25.73 dBµV/m	54 dBµV/m	-24.27 dB	Pass
2.371 GHz	26.64 dBµV/m	54 dBµV/m	-27.36 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	

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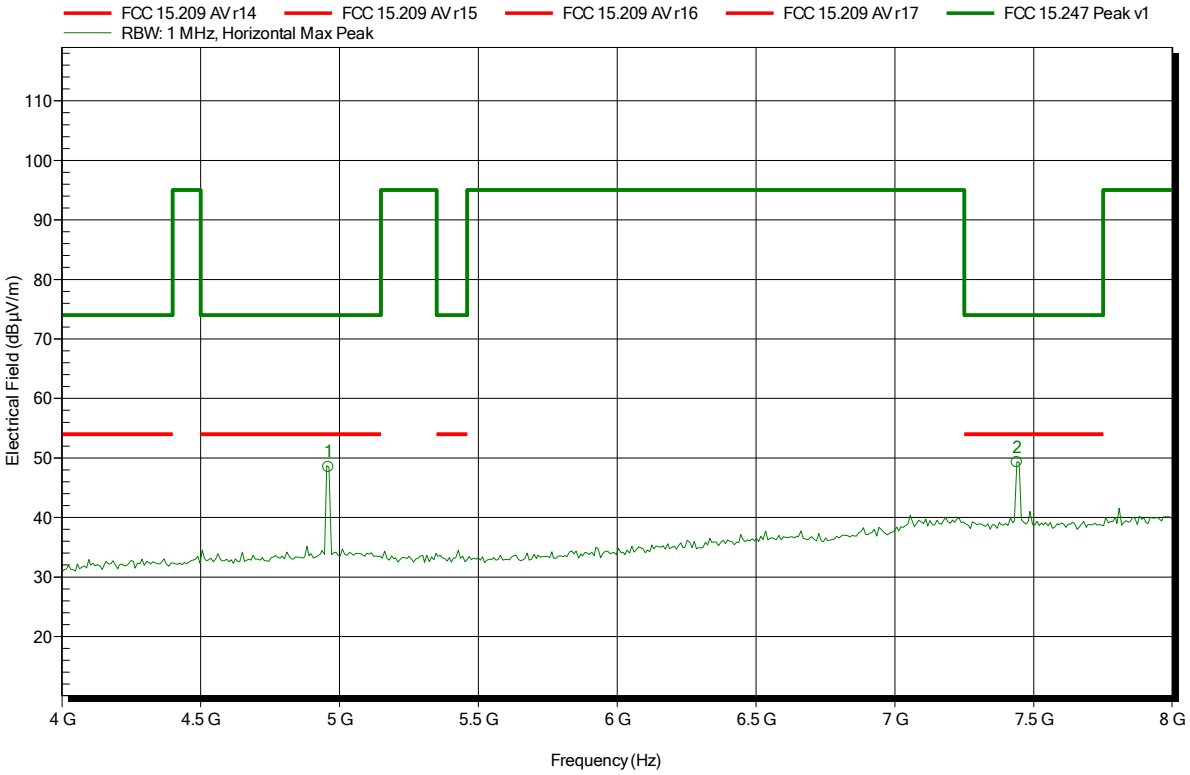

Frequency	Peak	Peak Limit	Peak Difference	Status
4.96 GHz	48.47 dBµV/m	74 dBµV/m	-25.53 dB	Pass
7.44 GHz	49.27 dBµV/m	74 dBµV/m	-24.73 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	

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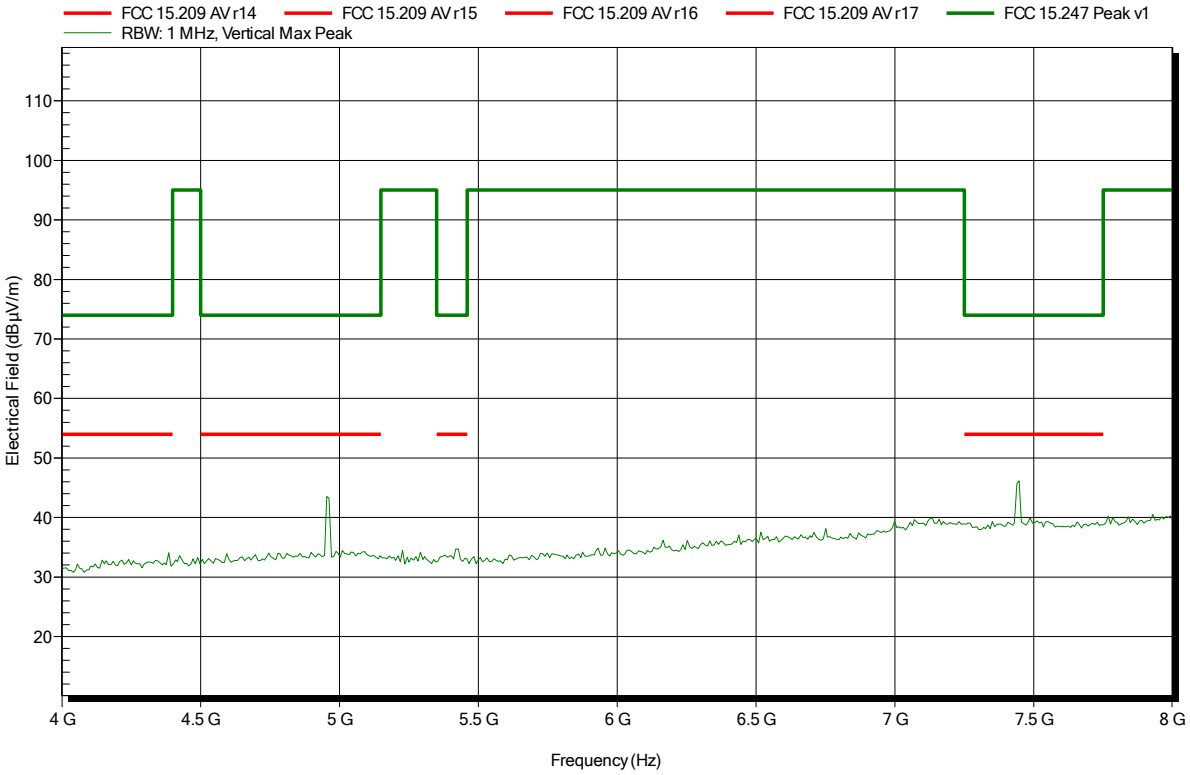

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	

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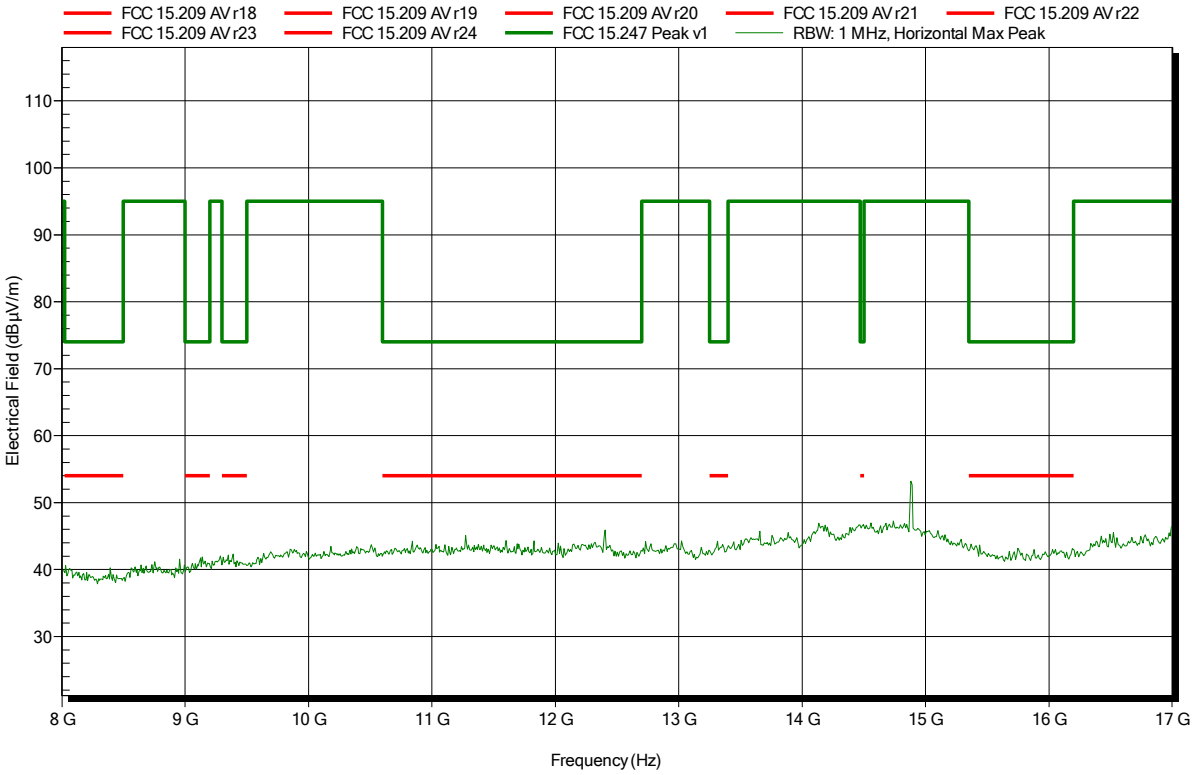

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	

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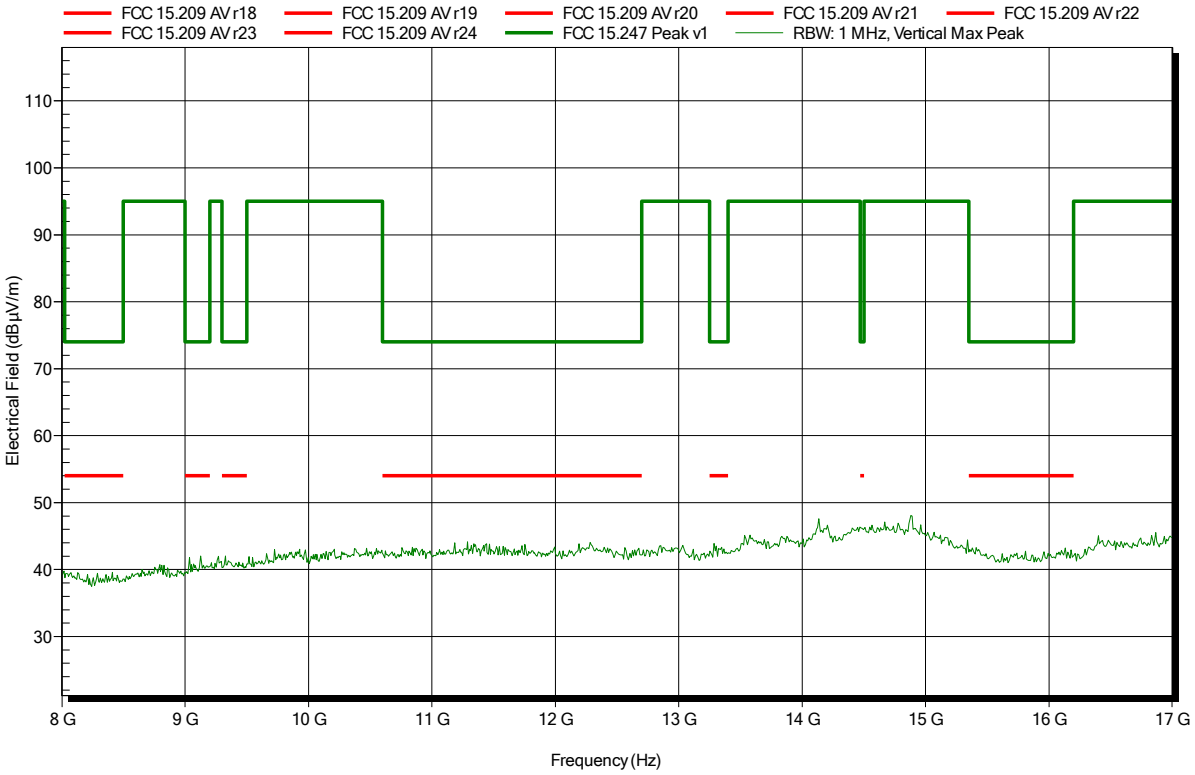

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	ATH18G40, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	

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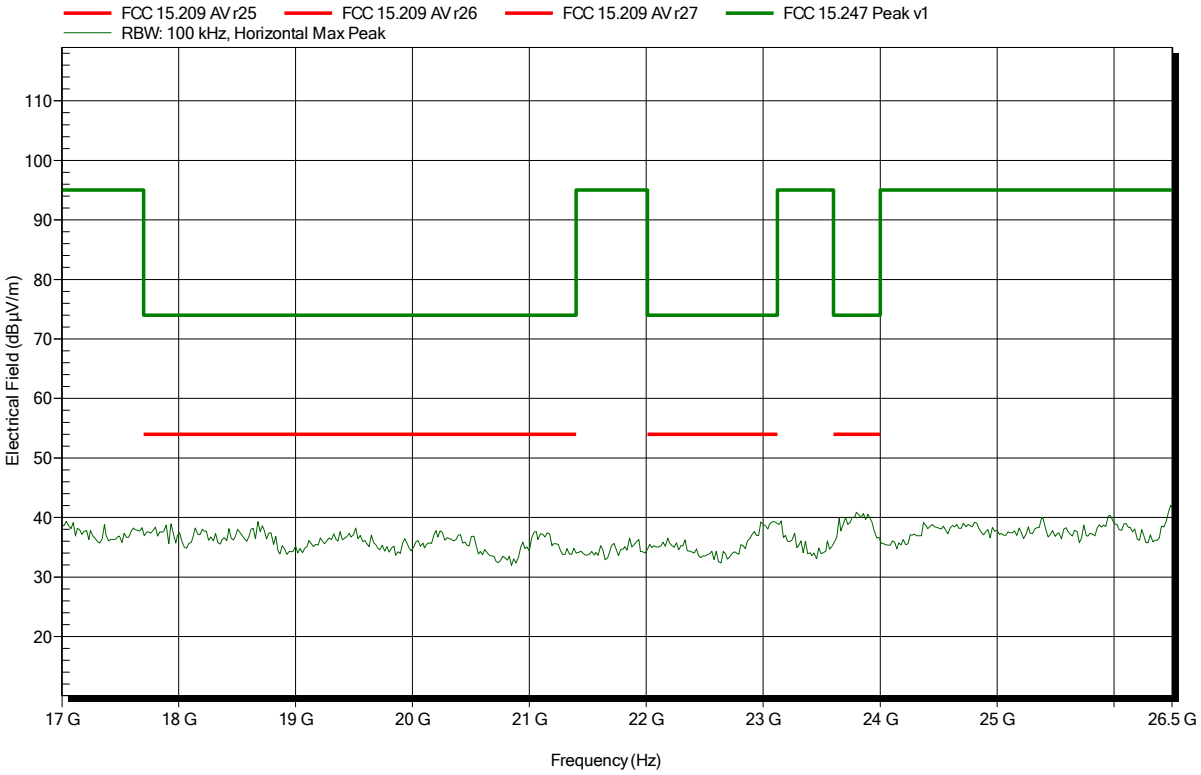

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	ATH18G40, Vertical
Measurement distance:	1 m converted to 3m
Mode:	TX; BT 3DH5 2480 MHz
Test Date:	2018-01-30
Note:	

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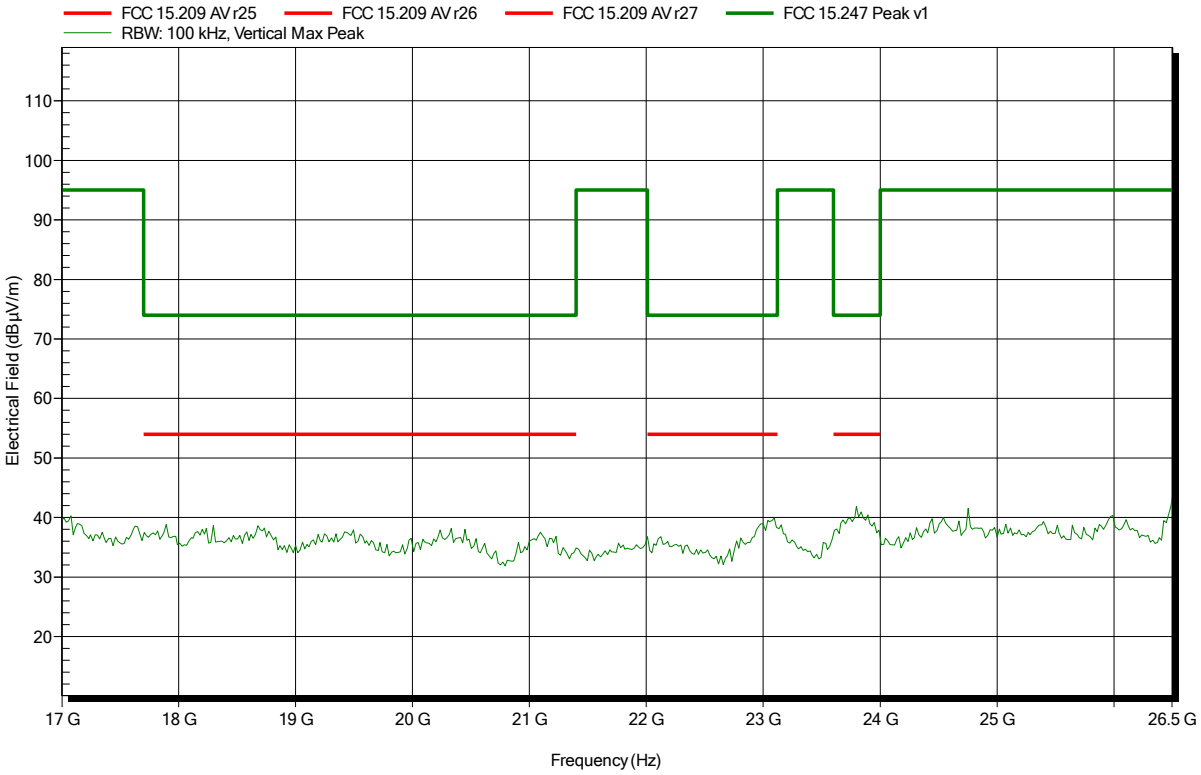

ANNEX B Receiver spurious emissions

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	RX; BTLE 2440 MHz
Test Date:	2018-02-02
Note:	

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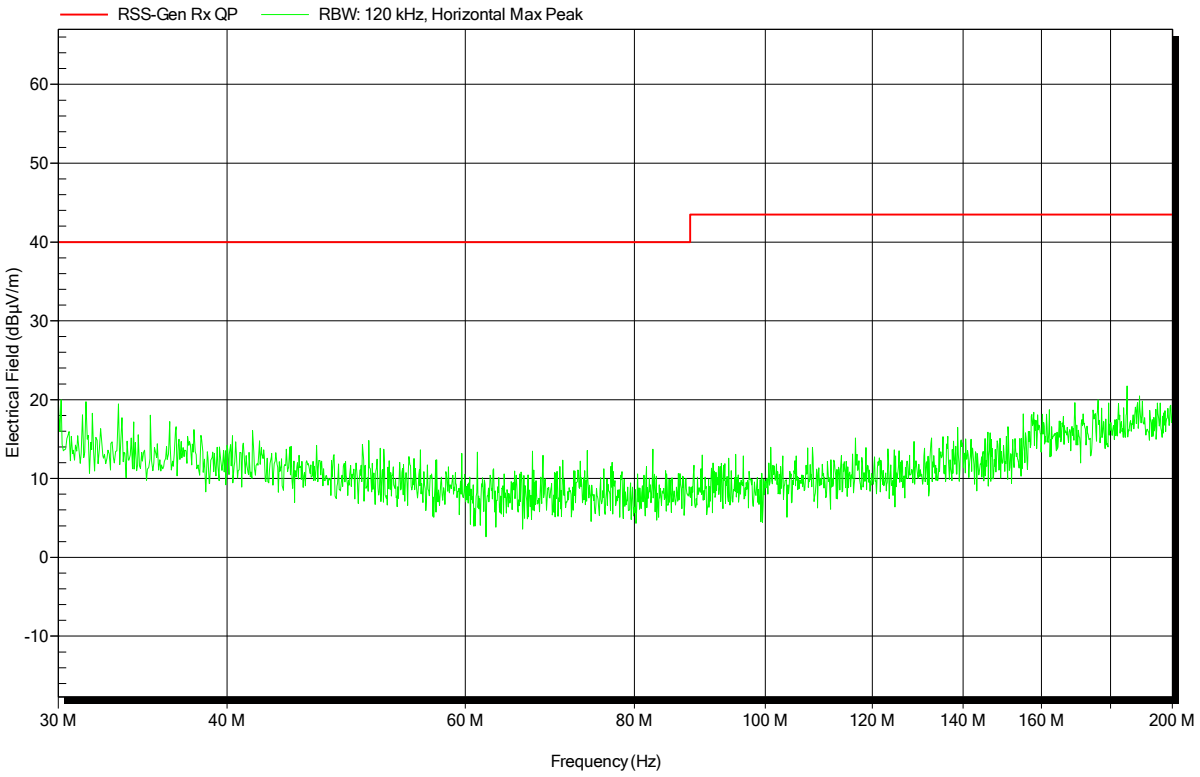

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	RX; BTLE 2440 MHz
Test Date:	2018-02-02
Note:	

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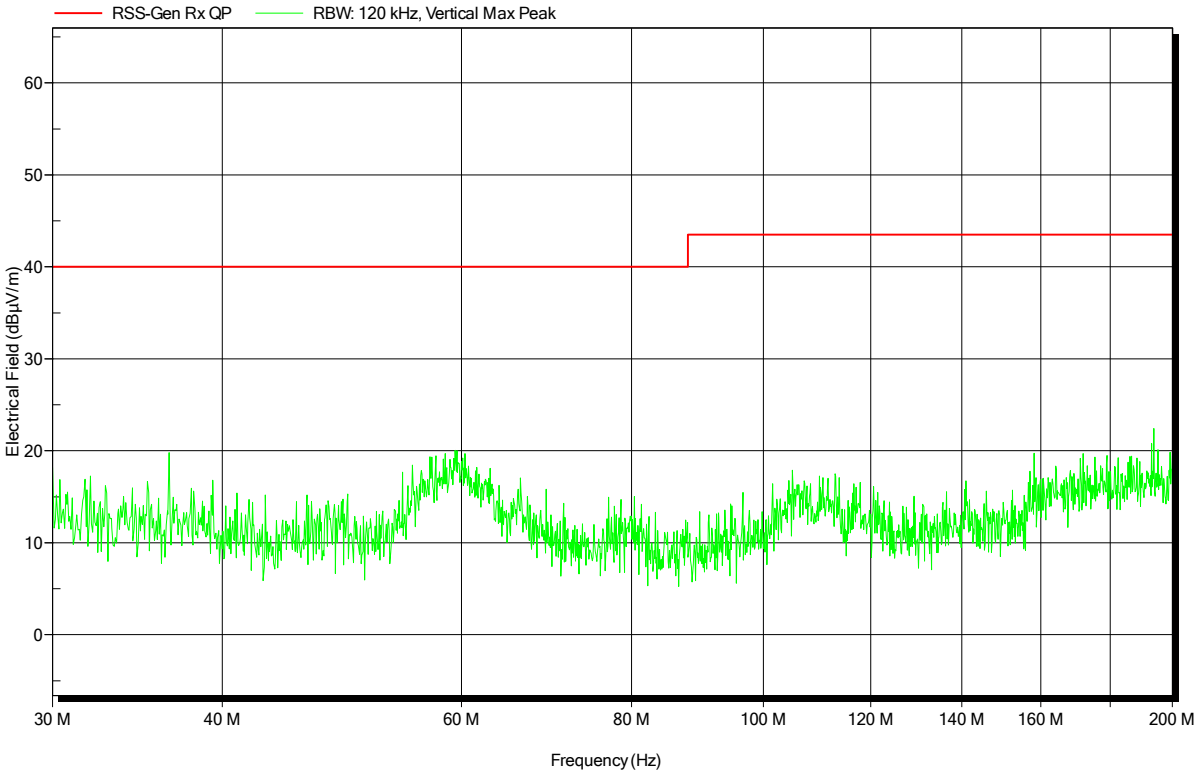

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	RX; BTLE 2440 MHz
Test Date:	2018-02-02
Note:	

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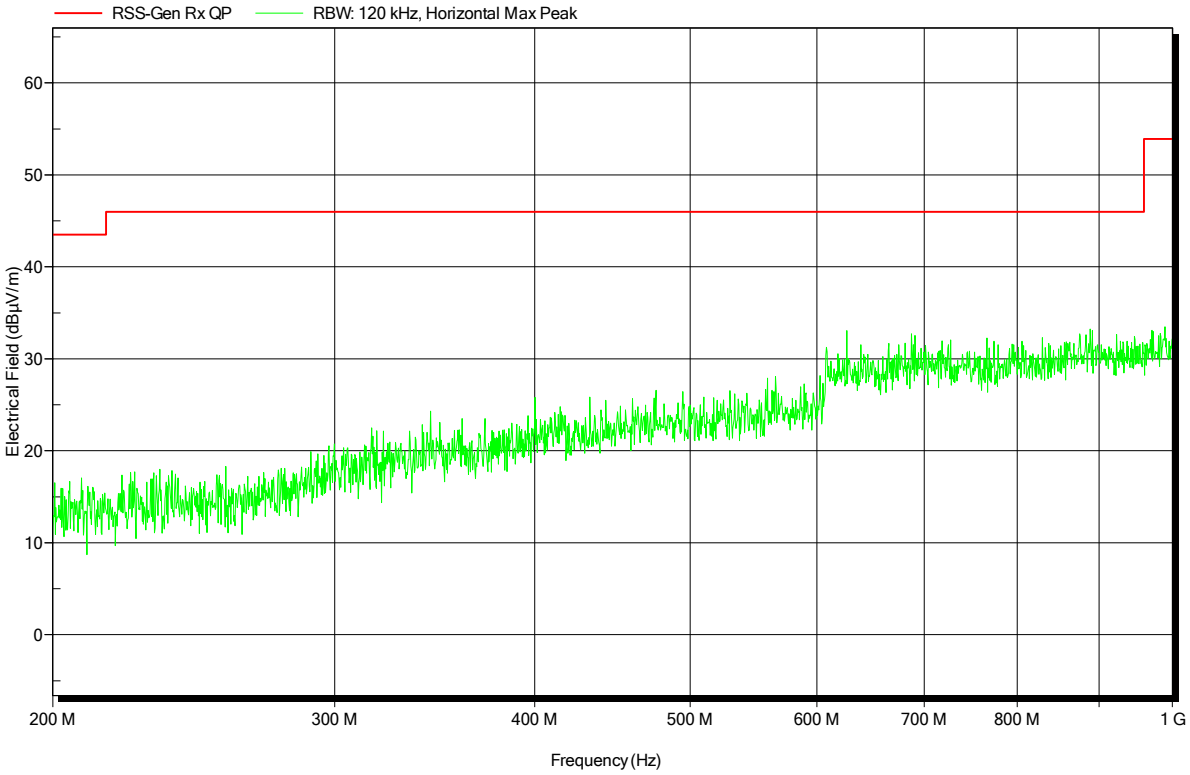

Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 24°C, Vnom: 3.7 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	RX; BTLE 2440 MHz
Test Date:	2018-02-02
Note:	

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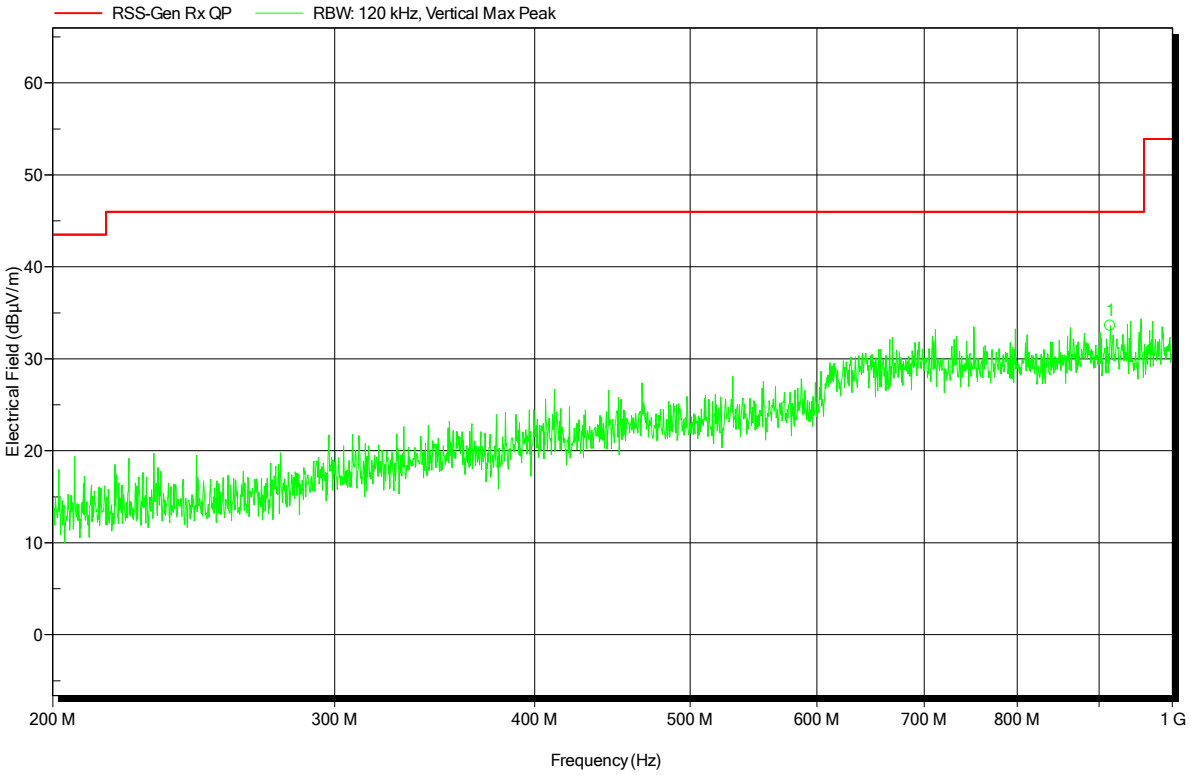

Frequency	Peak	Peak Limit	Peak Difference	Status
914.4998 MHz	33.6 dBµV/m	46 dBµV/m	-12.39 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24.7°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	RX; BT LE 2440 MHz
Test Date:	2018-01-29
Note:	

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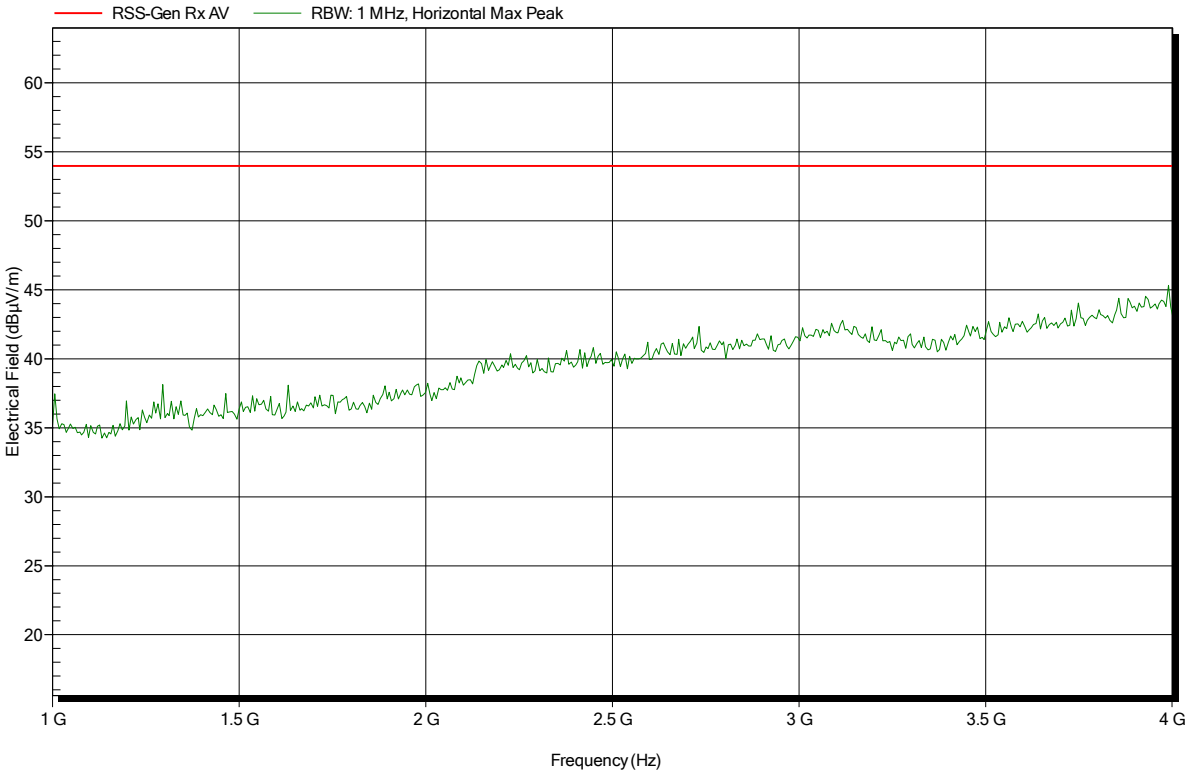

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24.7°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	RX; BT LE 2440 MHz
Test Date:	2018-01-29
Note:	

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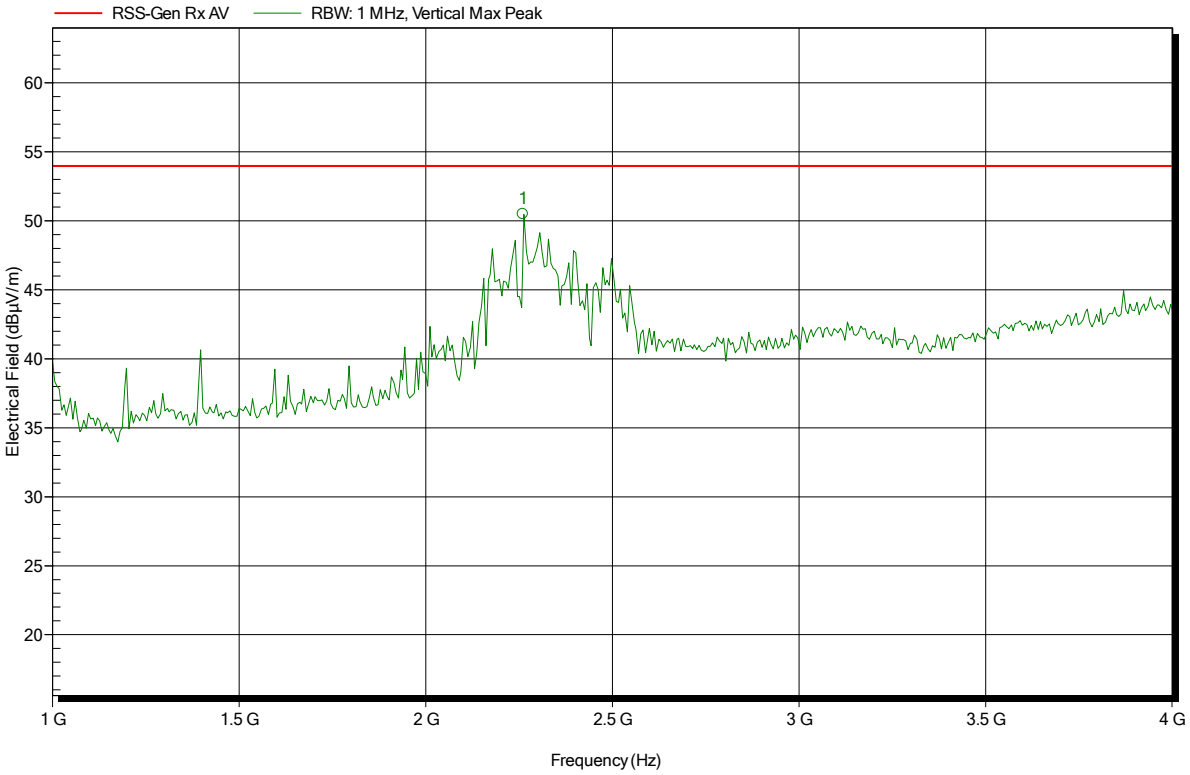

Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.26 GHz	50.49 dBµV/m	53.98 dBµV/m	-3.49 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24.7°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	RX; BT LE 2440 MHz
Test Date:	2018-01-29
Note:	

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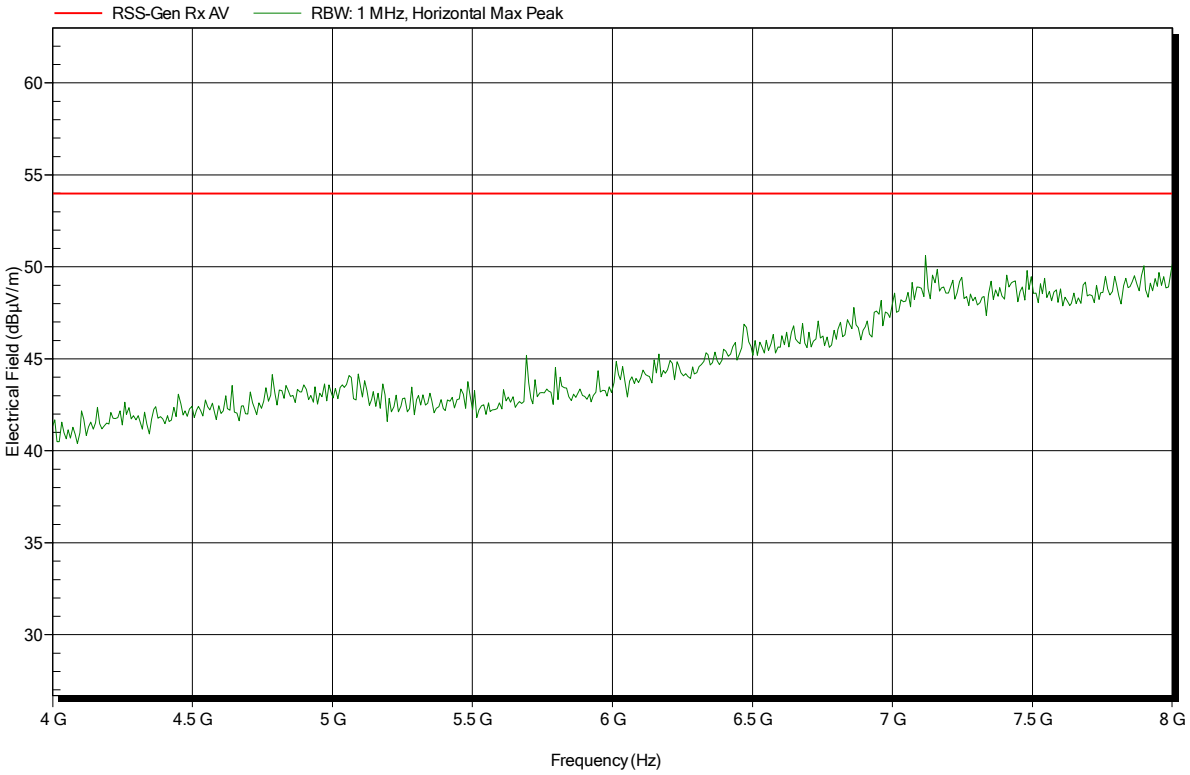

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24.7°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	RX; BT LE 2440 MHz
Test Date:	2018-01-29
Note:	

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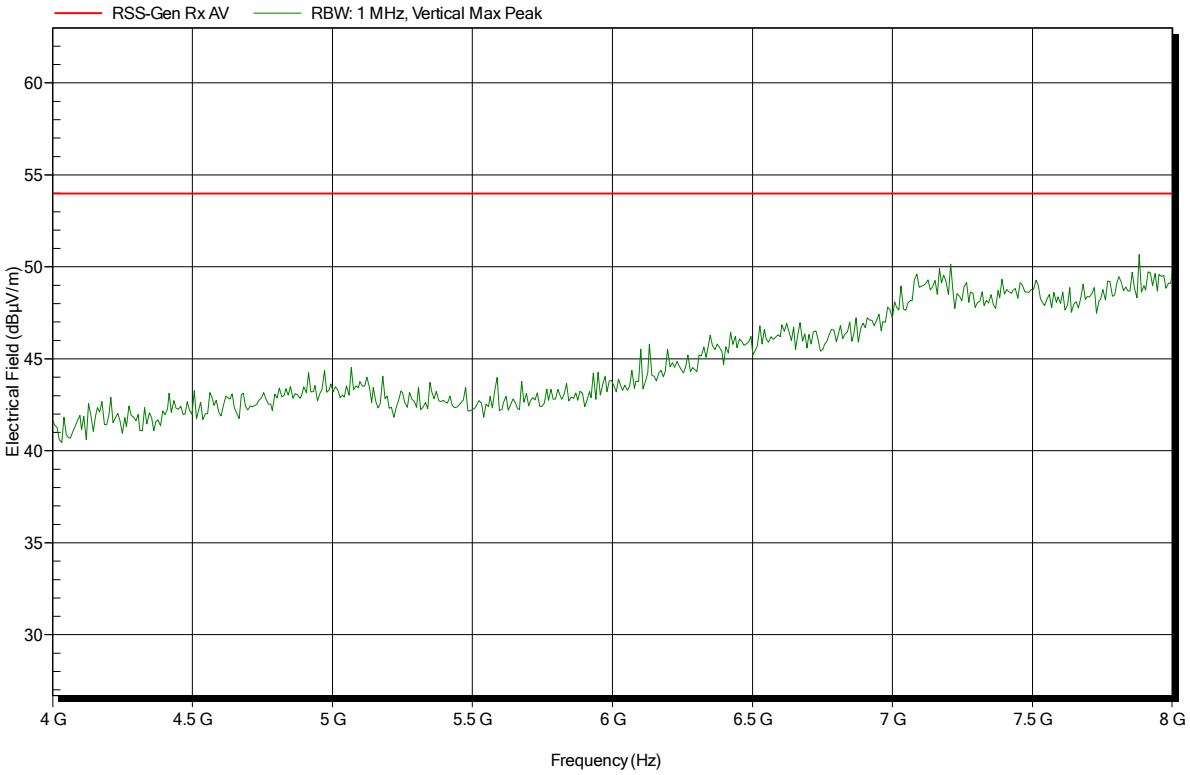

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24.7°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m converted to 3m
Mode:	RX; BT LE 2440 MHz
Test Date:	2018-01-29
Note:	

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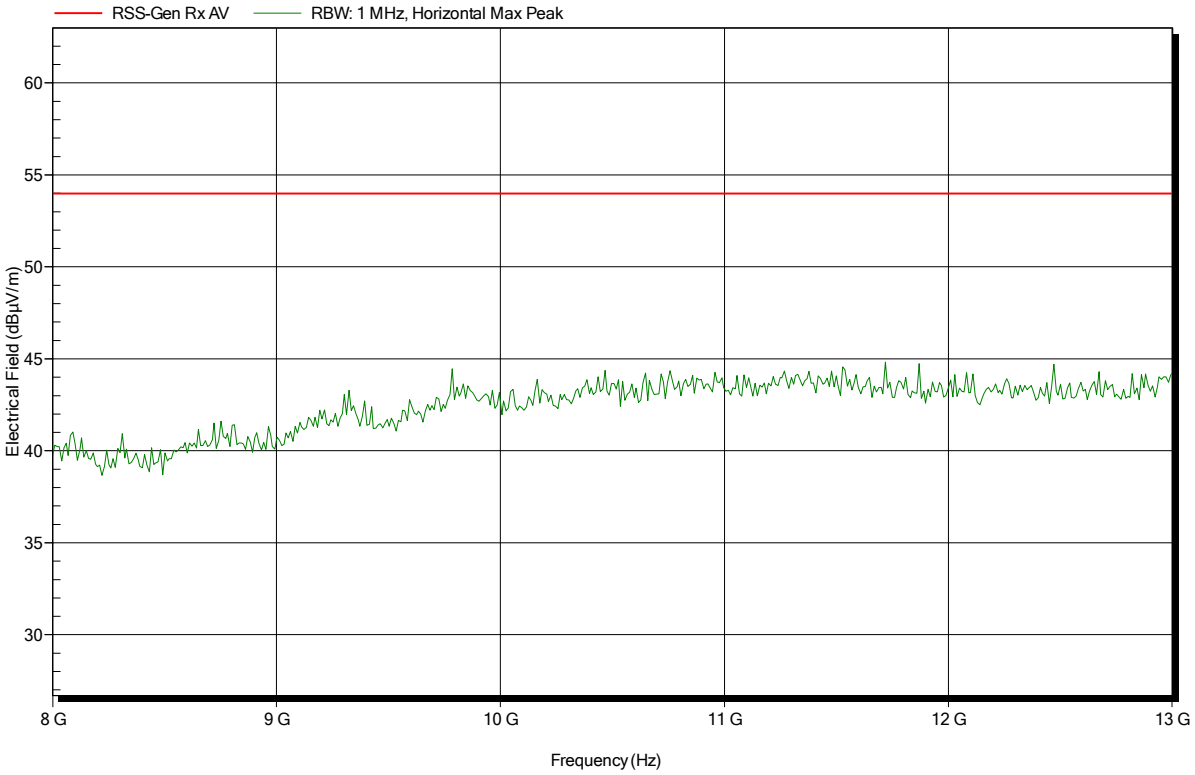

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1712-7109

Applicant:	eResearchTechnology GmbH
EUT Name:	Asthma Monitor AM3
Model:	AM3 Option BT+
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom: 24.7°C, Vnom: 3.7 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m converted to 3m
Mode:	RX; BT LE 2440 MHz
Test Date:	2018-01-29
Note:	

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