

RADIO REPORT FCC 47 CFR Part 15C ISED Canada RSS-247 Frequency hopping systems operating within the 2400 - 2483.5 MHz band Report Reference No G0M-1712-7109-TFC247BT-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):** Asthma Monitor AM3 **Product Description** 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**

Test Report No.: G0M-1712-7109-TFC247BT-V02



Possible test case verdicts:				
required by standard but not tested		N/T	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 requirem	ent	F(FAIL)		
Testing:				
Test Lab Temperature		20 - 23 °	С	
Test Lab Humidity		32 – 38 9	%	
Date of receipt of test item		2018-01-	-29	
Report:				
Compiled by	Sebastian	Sebastian Suckow		
Tested by (+ signature) (Responsible for Test)	Sebastian	n Suckow	Surkas	
Approved by (+ signature) (Head of Lab)	Christian	Christian Weber		
Date of Issue	2018-03-2	2018-03-28		
Total number of pages	92	92		
General Remarks:				
the responsibility of the manufacturequirements detailed within this r	t reflect the resure to ensure to ensure to ensure to	sults for this pa that all producti	rticular model and serial number. It is	
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VERSION HISTORY

	Version History			
Version	Issue Date	Remarks	Revised By	
01	2018-02-21	Initial Release		
02	2018-03-28	Replaced document: G0M-1712-7109-TFC247BT-V01 Replaced by: G0M-1712-7109-TFC247BT-V02 Changes: Page 1: Contains IC corrected.	S. Suckow	



ABBREVIATIONS AND ACRONYMS

	Acronyms
Acronym	Description
BR	Bluetooth Basic Rate mode
EDR	Bluetooth Enhanced Data Rate mode
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



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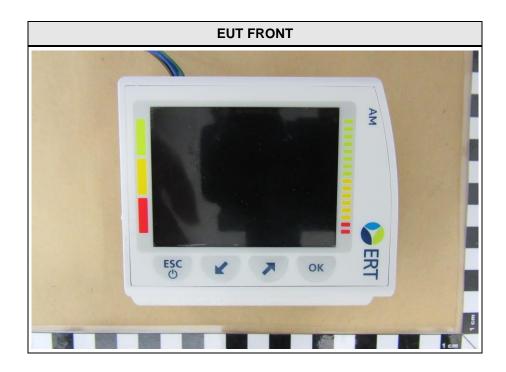


1 Equipment (Test Item) Under Test

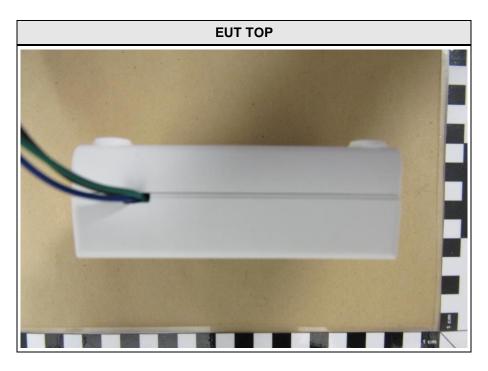
Description	Asthma Monitor A	M3		
Model	AM3 Option BT+			
Additional Model(s)	None	None		
Brand Name(s)	None			
Serial Number(s)	None			
Hardware Version(s)	1.0			
Software Version(s)	9.40			
PMN	AM3			
HVIN	AM3 Option BT+			
FVIN	N/A			
HMN	N/A			
FCC-ID	2AAUFAM3G03			
IC	11335A-AM3G03			
Equipment type	End Product			
Radio type	Transceiver			
Assigned frequency bands	2400 - 2483.5 MH	Z		
Radio technology	Bluetooth			
Modulation	GFSK, PI/4-DQPSK, 8-DPSK			
Number of antenna ports	1			
	Туре	Bluetooth Classic / LE Module		
	Model	BT121		
	Manufacturer	Silicon Labs (former Blue Giga)		
Radio Module	HW Version	N/A		
	SW Version	N/A		
	FCC-ID	QOQBT121		
	IC	5123A-BGTBT121		
	Туре	Integrated		
Antenna	Model	BT121		
, untorma	Manufacturer	Silicon Labs		
	Gain	1 dBi		
Supply Voltage	V _{NOM}	3.7 VDC		
Operating Temperature	T _{NOM}	25 °C		
	Model	GTM41134-0606-1.0		
AC/DC-Adaptor	Vendor	GlobTek		
10,50 Adaptor	Input	100 – 240 VAC		
	Output	5 VDC		
Manufacturer	eResearchTechnology GmbH Sieboldstrasse 3 97230 Estenfeld Germany			

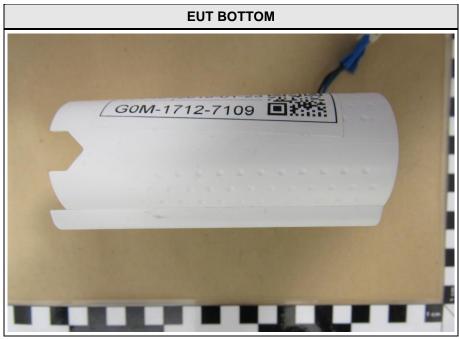


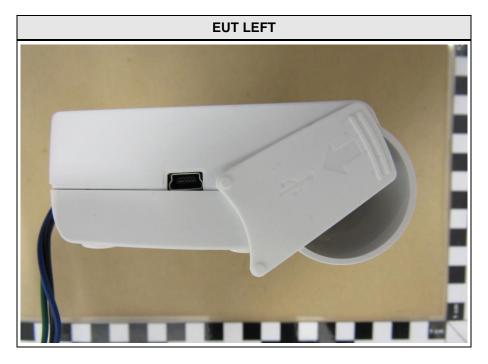
1.1 Photos – Equipment External

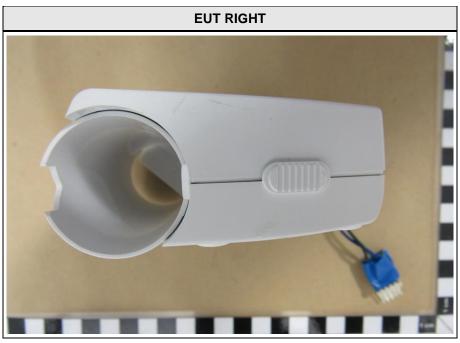






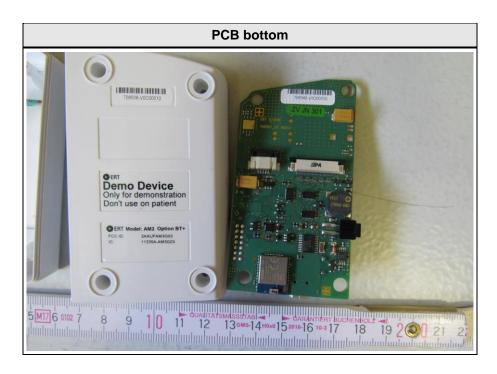


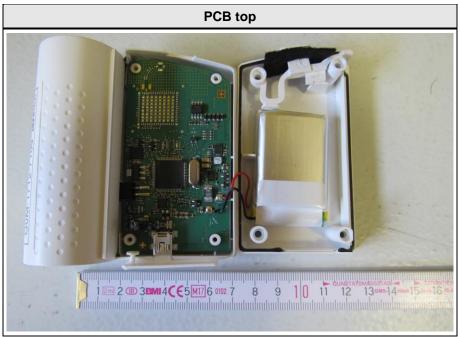




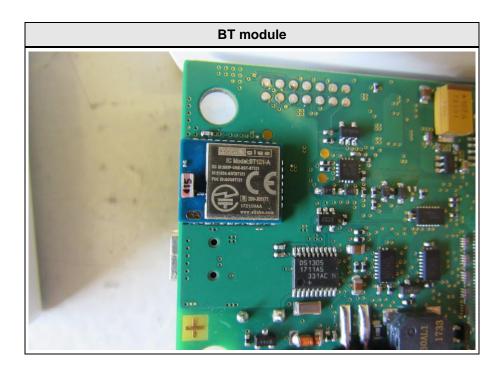


1.2 Photos – Equipment Internal



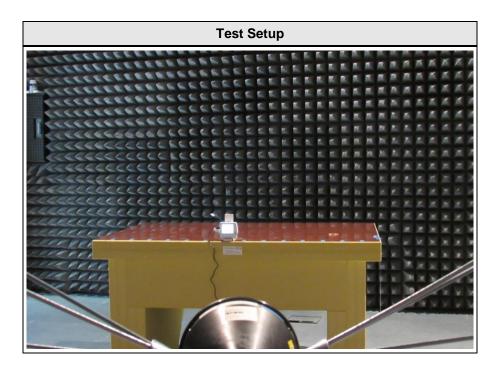


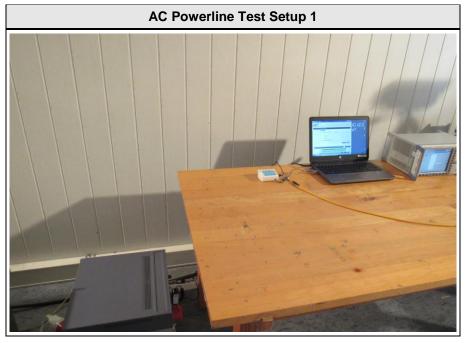




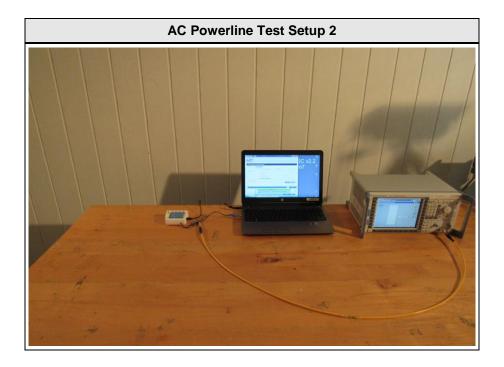


1.3 Photos – Test Setup











1.4 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
SIM	Communication Tester	R&S	CBT	
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
DH5 Single	Mode = Transmit Modulation = GFSK Spreading = None Packet type = DH5 Duty cycle = 78%
2-DH5 Single	Mode = Transmit Modulation = PI/4-DQPSK Spreading = None Packet type = 2-DH5 Duty cycle = 78%
3-DH5 Single	Mode = Transmit Modulation = 8-DPSK Spreading = None Packet type = 3-DH5 Duty cycle = 78%
Receive	Mode = Receive
Comment:	



1.6 Test Frequencies

Designator	Mode	Channel	Frequency [MHz]
F1	Tx / Rx	0	2402
F2	Tx / Rx	39	2441
F4	Tx / Rx	78	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 ($dB\mu V$) + A.F. (dB) = Net field strength ($dB\mu V/m$)

Net:

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

Limit:

This is the FCC Class B radiated emission limit (in units of $dB\mu V/m$). The FCC limits are given in units of $\mu V/m$. The following formula is used to convert the units of $\mu V/m$ to $dB\mu V/m$:

Limit (dB μ V/m) = 20*log (μ V/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 dB μ V + 26 dB = 47.5 dB μ V/m : 47.5 dB μ V/m - 57.0 dB μ V/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)(1) ISED RSS-247 § 5.1	20 dB Bandwidth	ANSI C63.10	N/T	
FCC § 15.247(a)(1)(iii) ISED RSS-247 § 5.1	Number of hopping frequencies	ANSI C63.10	N/T	
FCC § 15.247(a)(1) ISED RSS-247 § 5.1	Frequency hopping channel separation	ANSI C63.10	N/T	
FCC § 15.247(a)(1)(iii) ISED RSS-247 § 5.1	Time of occupancy (Dwell time)	ANSI C63.10	N/T	
FCC § 15.247(b)(1) ISED RSS-247 § 5.4	Maximum peak conducted power	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

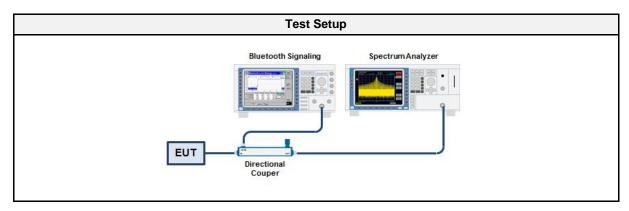
3.1.1 Information

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



3.1.4 Equipment

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

3.1.5 Procedure

Test Procedure

- 1. EUT transmitter is activated in test mode under normal conditions
- 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]					
DH5	2402	0.845					
DH5	2441	0.845					
DH5	2480	0.840					
2-DH5	2402	1.205					
2-DH5	2441	1.200					
2-DH5	2480	1.225					
3-DH5	2402	1.200					
3-DH5	2441	1.195					
3-DH5	2480	1.220					



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

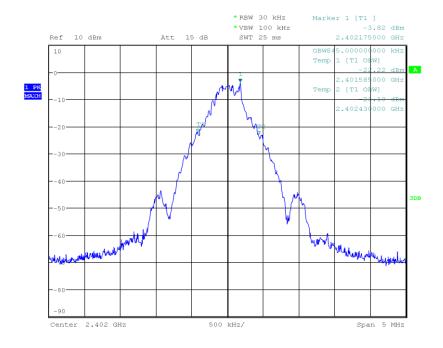
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: DH5, Channel: 0, 2402 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 0.845



Date: 2.FEB.2018 17:21:48



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

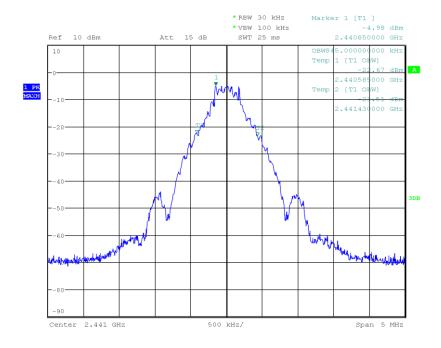
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: DH5, Channel: 39, 2441 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 0.845



Date: 2.FEB.2018 17:22:38



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

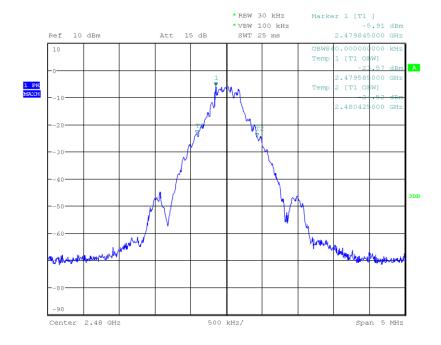
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: DH5, Channel: 78, 2480 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 0.840



Date: 2.FEB.2018 17:24:49



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

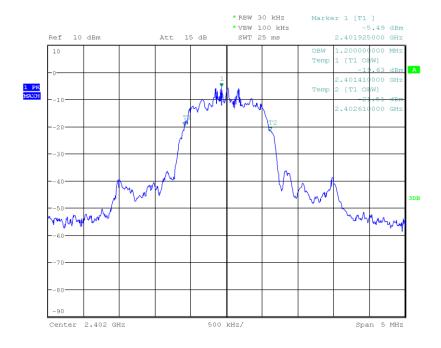
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: 2-DH5, Channel: 0, 2402 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 1.205



Date: 2.FEB.2018 17:25:50



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

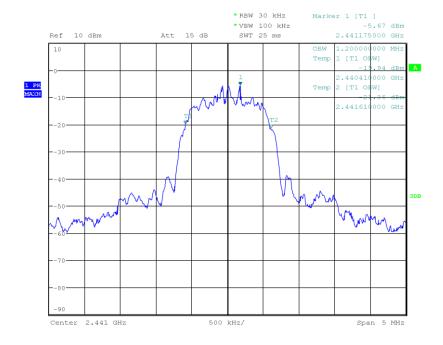
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: 2-DH5, Channel: 39, 2441 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 1.200



Date: 2.FEB.2018 17:26:38



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

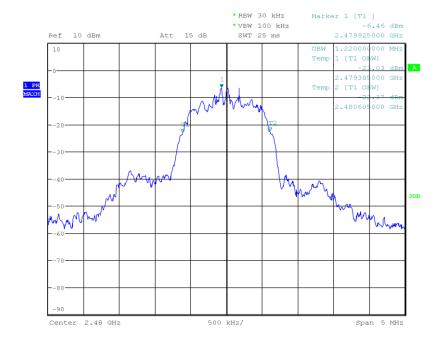
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: 2-DH5, Channel: 78, 2480 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 1.225



Date: 2.FEB.2018 17:27:31



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

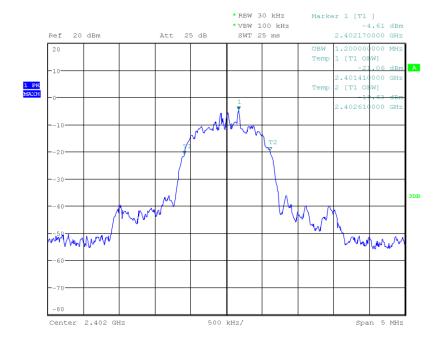
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: 3-DH5, Channel: 0, 2402 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 1.200



Date: 2.FEB.2018 17:28:31



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

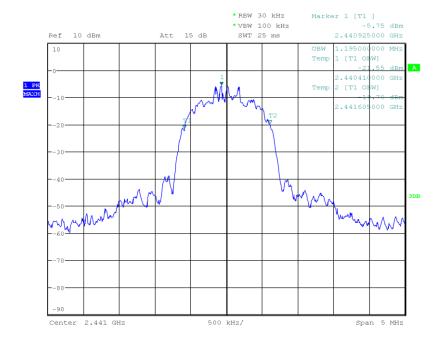
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: 3-DH5, Channel: 39, 2441 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 1.195



Date: 2.FEB.2018 17:29:30



Project Number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

Model Description: Asthma Monitor AM3
Model: AM3 Option BT+

Test Sample ID: 16944

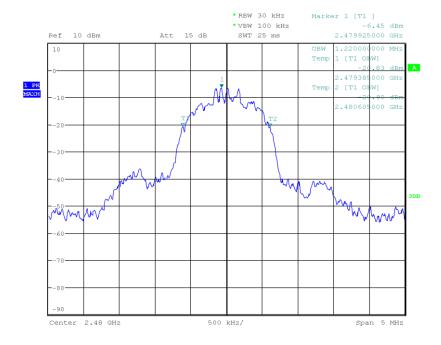
Reference Standards: FCC 15.247, RSS-247

Reference Method: ANSI C63.10:2013, Section 6.9.3 Operational Mode: 3-DH5, Channel: 78, 2480 MHz

Operating Conditions: Tnom/Vnom Operator: S. Suckow

Test Site: Eurofins Product Service GmbH

Test Date: 2018-02-02 Occupied Bandwidth [MHz]: 1.220



Date: 2.FEB.2018 17:30:43



3.2 Test Conditions and Results - AC powerline conducted emissions

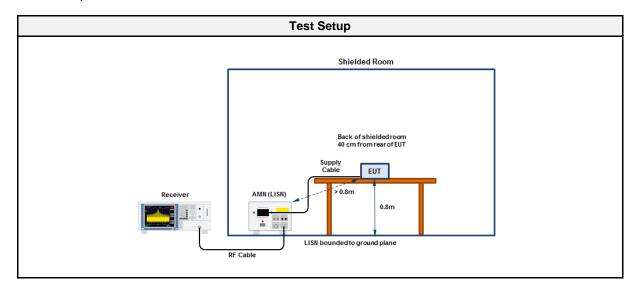
3.2.1 Information

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 log	* Limit decreases linearly with the logarithm of the frequency						

3.2.3 Setup



3.2.4 Equipment

Test Equipment						
Description Manufacturer Model Identifier Cal. Date Cal						
EMI Receiver	R&S	ESU 26	EF00241	2017-07	2019-07	
LISN	R&S	ESH2-Z5	EF00182	2017-01	2019-01	

Test Report No.: G0M-1712-7109-TFC247BT-V02



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

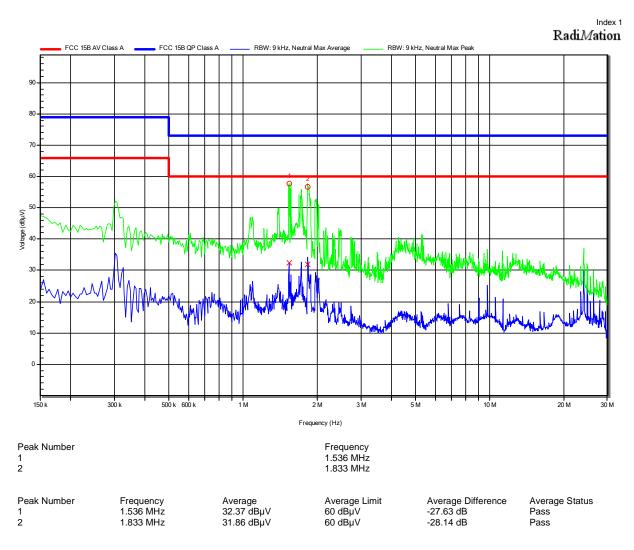
Test Conditions: Tnom: 23.5°C, Unom: 3.7 VDC

LISN: ESH2-Z5 N

Mode: BT 3DH5 2402 MHz

Test Date: 2018-02-05

Note:





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

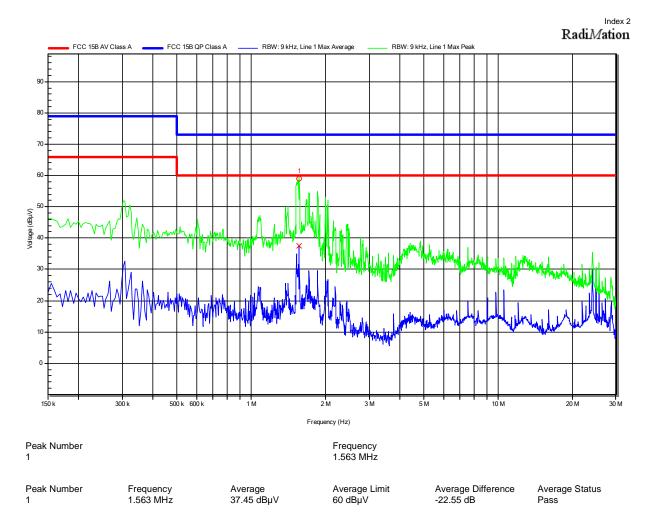
Test Conditions: Tnom: 23.5°C, Unom: 3.7 VDC

LISN: ESH2-Z5 L

Mode: BT 3DH5 2402 MHz

Test Date: 2018-02-05

Note:





3.3 Test Conditions and Results - Transmitter radiated emissions

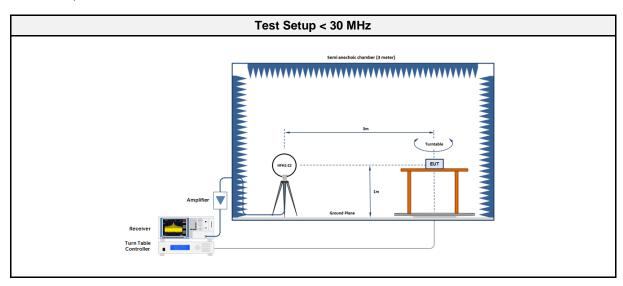
3.3.1 Information

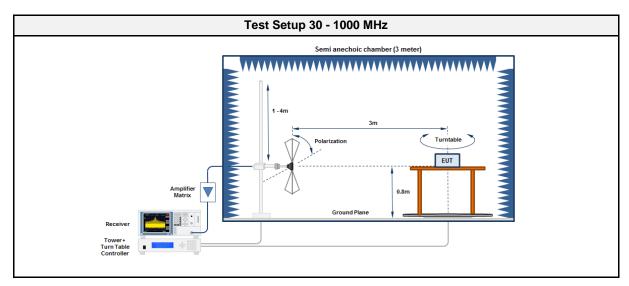
Test Information				
Reference	FCC 15.247(d) / ISED RSS-GEN 8.9			
Measurement Method	ANSI C63.10 6.4, 6.5, 6.6			
Operator	Sebastian Suckow			
Date	2018-01-29 – 2018-02-20			

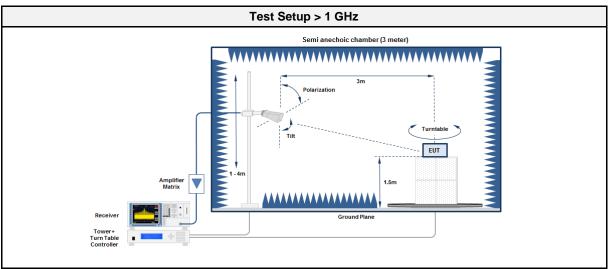
3.3.2 Limits

	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







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 Report No.: G0M-1712-7109-TFC247BT-V02



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	
2441	2304	51.62	pk	ver	95.00	-43.38	
2441	2304	26.14	avg	ver	54.00	-23.86	
2441	2371	54.05	pk	ver	74.00	-19.95	
2441	2371	28.22	avg	ver	54.00	-25.78	
2441	4880	47.93	pk	hor	74.00	-26.07	
2441	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

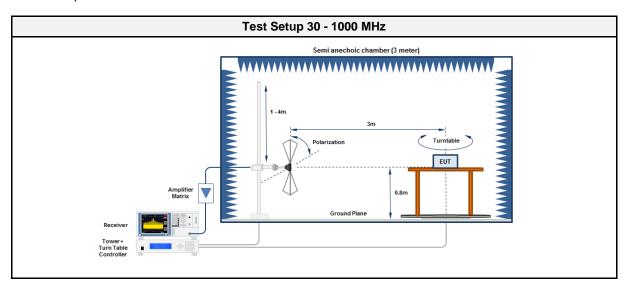
3.4.1 Information

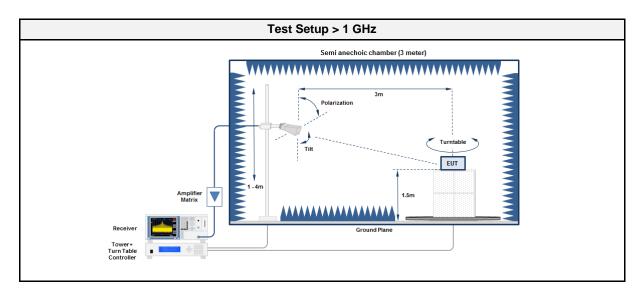
Test Information				
Reference ISED RSS-247 3.1				
Measurement Method ANSI C63.10 6.5, 6.6				
Operator	Sebastian Suckow			
Date	2018-01-29 – 2018-02-02			

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





3.4.4 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	Antenna R&S		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						
Anechoic Chamber	Frankonia	AC1	EF00062	-	-		
Measurement Receiver Agilent		N9038A- 526/WXP	EF01070	2017-08	2018-08		
Antenna	Antenna R&S		EF01153	2017-08	2018-08		
Antenna	Antenna Amplifier Research		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]
2402 - 2480	7936	49.96	pk	ver	53.98	-04.02



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:

Antenna:

Measurement distance:

Mode:

Tnom: 23°C, Vnom: 3.7 VDC

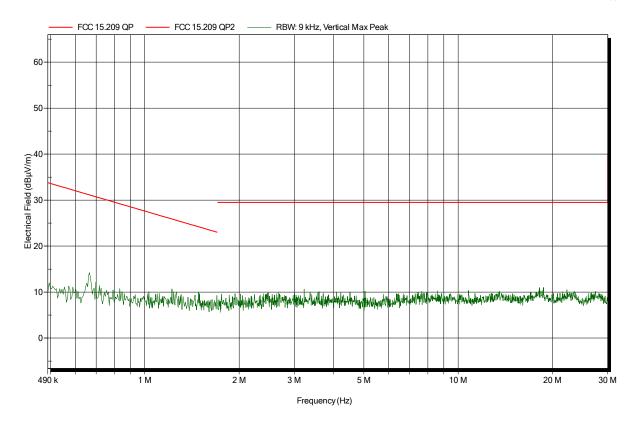
Rohde & Schwarz HFH 2-Z2

10 m converted to 30 m

TX; BT 3DH5 2402 MHz

Test Date: 2018-02-20

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

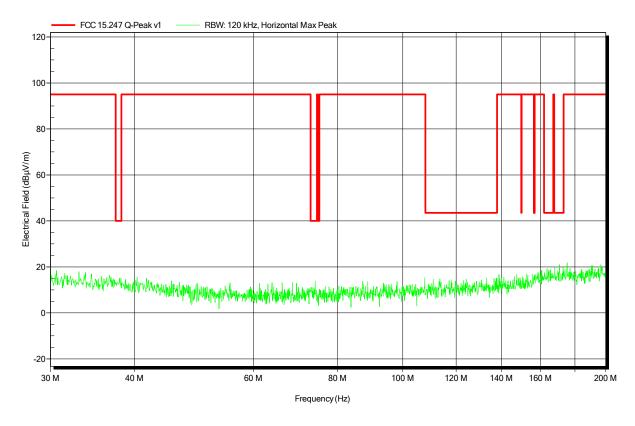
Antenna: Rohde & Schwarz HK 116, Horizontal

Measurement distance:

Mode: TX; BT 3DH5 2402 MHz

2018-02-02 Test Date:

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

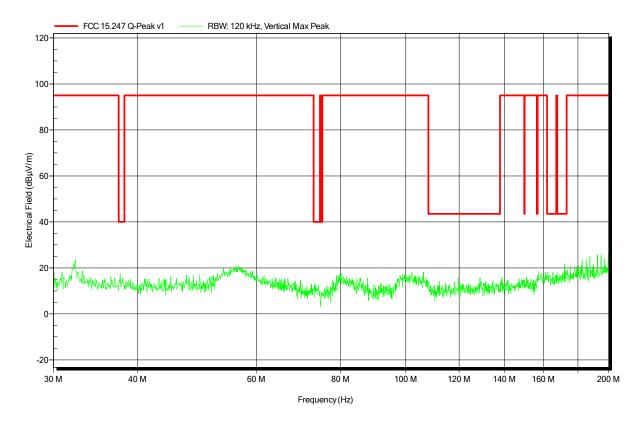
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC Antenna: Rohde & Schwarz HK 116, Vertical

Measurement distance:

TX; BT 3DH5 2402 MHz Mode:

2018-02-02 Test Date:

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

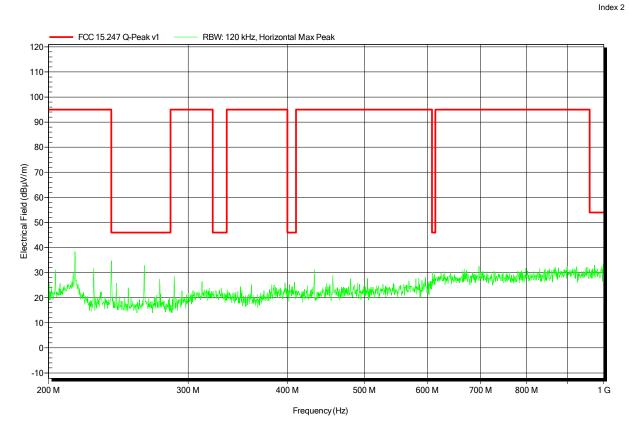
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Rohde & Schwarz HL 223, Horizontal

Measurement distance:

TX; BT 3DH5 2402 MHz Mode:

2018-02-02 Test Date:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

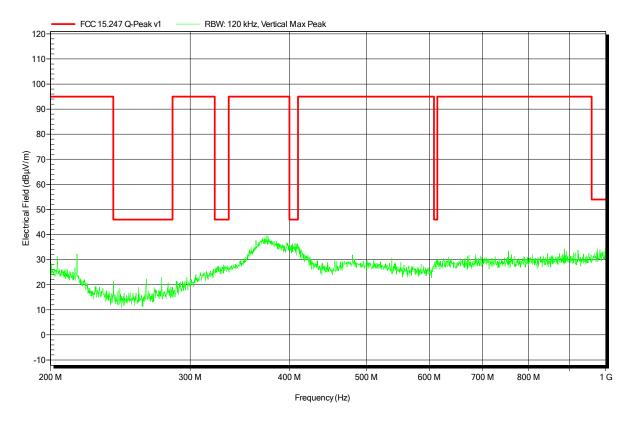
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC Antenna: Rohde & Schwarz HL 223, Vertical

Measurement distance:

TX; BT 3DH5 2402 MHz Mode:

2018-02-02 Test Date:

Note:





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

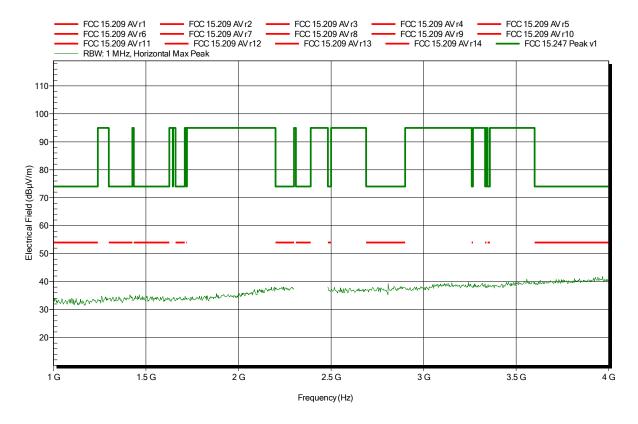
Antenna: Schwarzbeck BBHA 9120D, Horizontal

Measurement distance: 3 m

Mode: TX; BT 3DH5 2402 MHz

Test Date: 2018-01-30

Note:





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

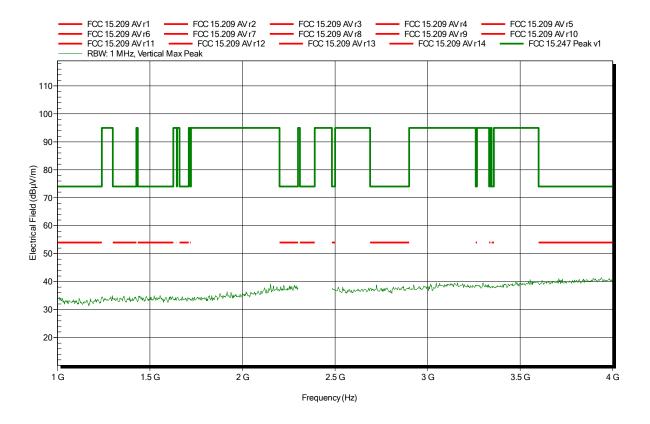
Antenna: Schwarzbeck BBHA 9120D, Vertical

Measurement distance: 3 m

Mode: TX; BT 3DH5 2402 MHz

Test Date: 2018-01-30

Note:





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





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

2.37 GHz

2.377 GHz

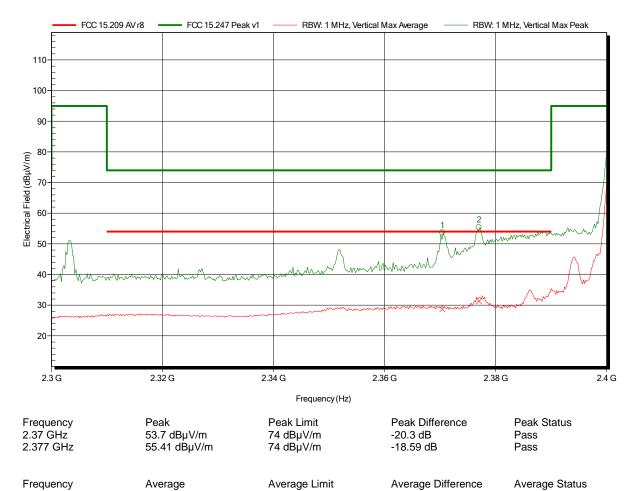
Mode: TX; BT 3DH5 2402 MHz

28.65 dBµV/m

31.29 dBµV/m

Test Date: 2018-01-30 Note: lower bandedge

Index 11



 $54~dB\bar{\mu}V/m$

54 dBµV/m

-25.35 dB

-22.71 dB

Pass

Pass



Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

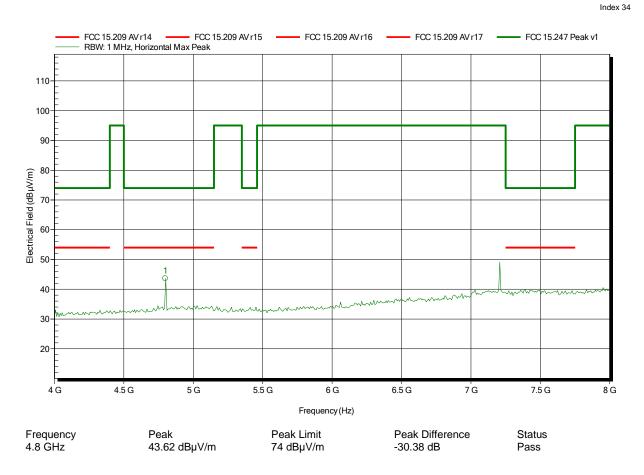
Operator: Sebastian Suckow

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





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

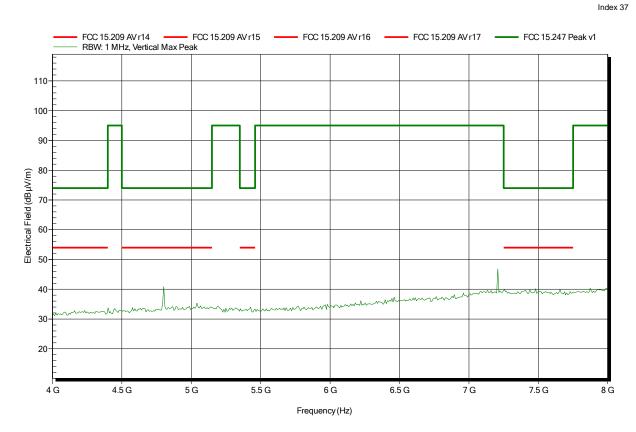
Operator: Sebastian Suckow

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





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

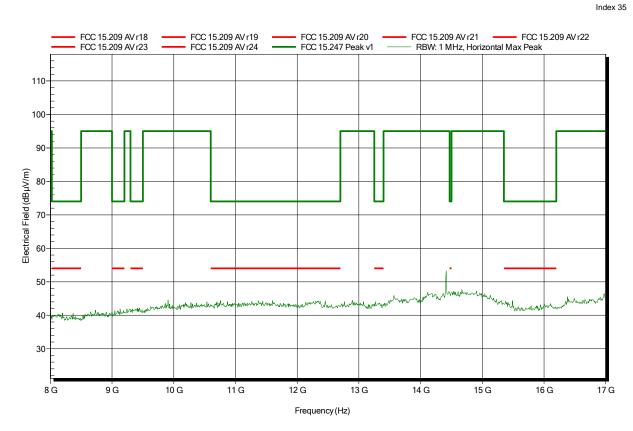
Operator: Sebastian Suckow

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





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

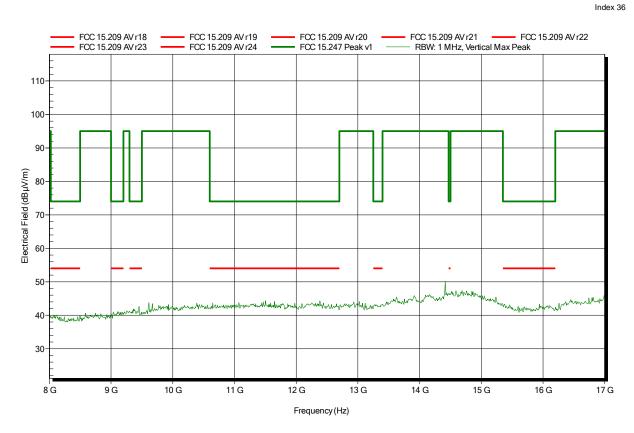
Operator: Sebastian Suckow

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





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:

Antenna:

Measurement distance:

Mode:

Tnom: 24°C, Vnom: 3.7 VDC

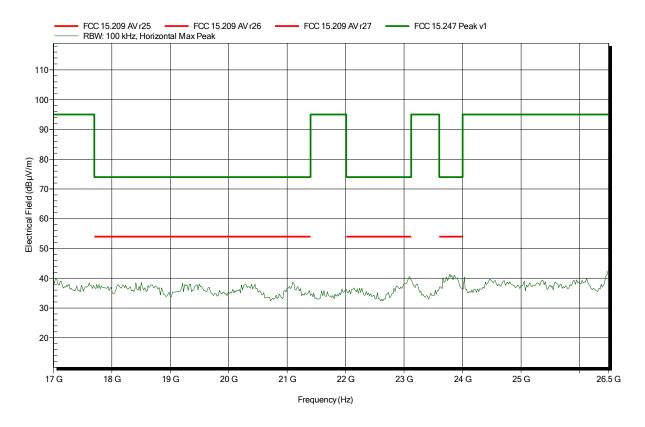
ATH18G40, Horizontal

1 m converted to 3m

TX; BT 3DH5 2402 MHz

Test Date: 2018-01-30

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

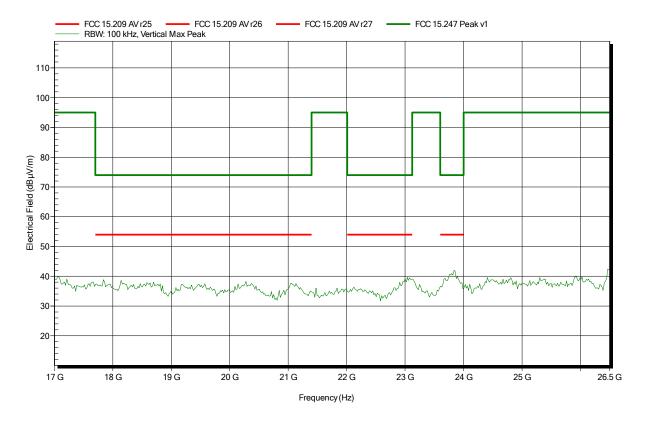
Operator: Sebastian Suckow

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:





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:

Antenna:

Measurement distance:

Mode:

Tnom: 23°C, Vnom: 3.7 VDC

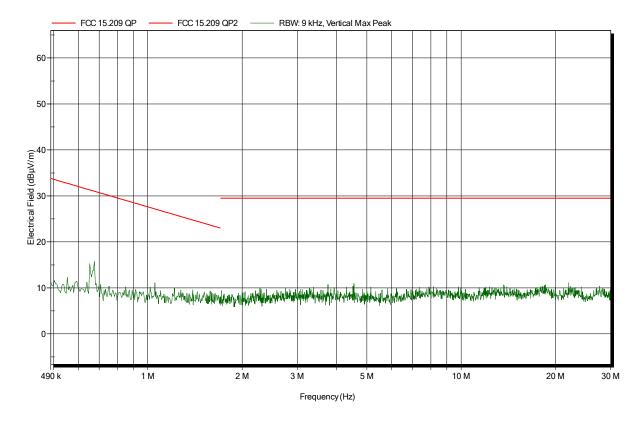
Rohde & Schwarz HFH 2-Z2

10 m converted to 30 m

TX; BT 3DH5 2441 MHz

Test Date: 2018-02-20

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

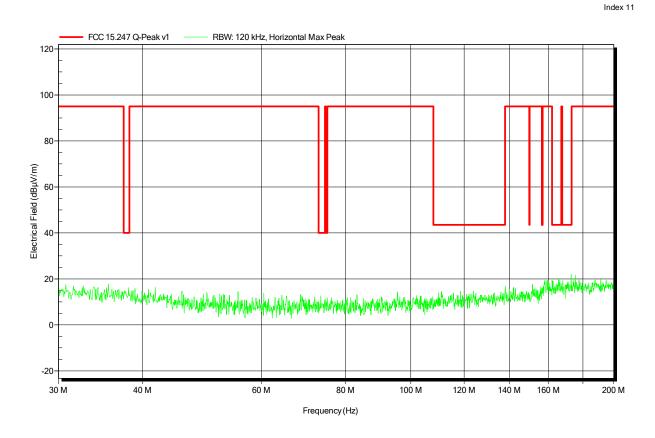
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Rohde & Schwarz HK 116, Horizontal

Measurement distance:

Mode: TX; BT 3DH5 2441 MHz

2018-02-02 Test Date:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

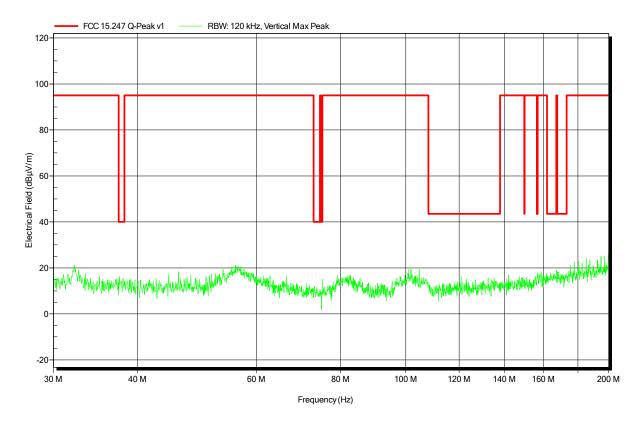
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC Antenna: Rohde & Schwarz HK 116, Vertical

Measurement distance:

TX; BT 3DH5 2441 MHz Mode:

2018-02-02 Test Date:

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

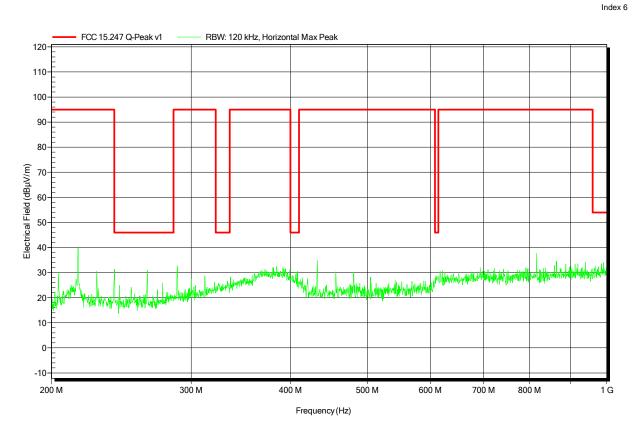
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Rohde & Schwarz HL 223, Horizontal

Measurement distance:

TX; BT 3DH5 2441 MHz Mode:

2018-02-02 Test Date:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

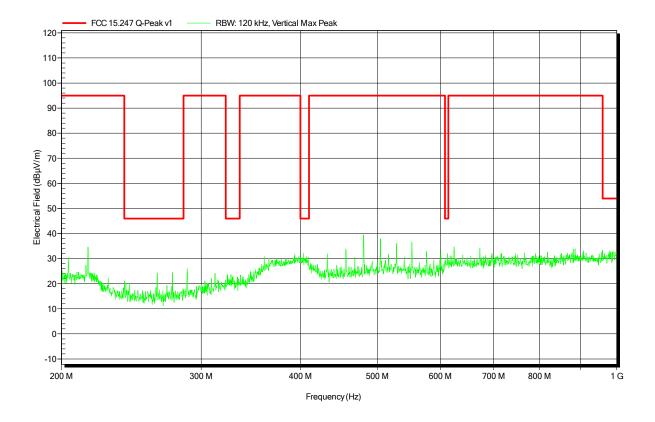
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC Antenna: Rohde & Schwarz HL 223, Vertical

Measurement distance:

TX; BT 3DH5 2441 MHz Mode:

2018-02-02 Test Date:

Note:





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

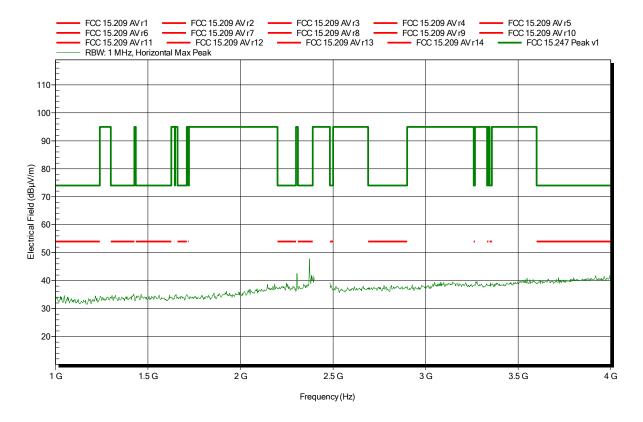
Antenna: Schwarzbeck BBHA 9120D, Horizontal

Measurement distance: 3 m

Mode: TX; BT 3DH5 2441 MHz

Test Date: 2018-01-30

Note:





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

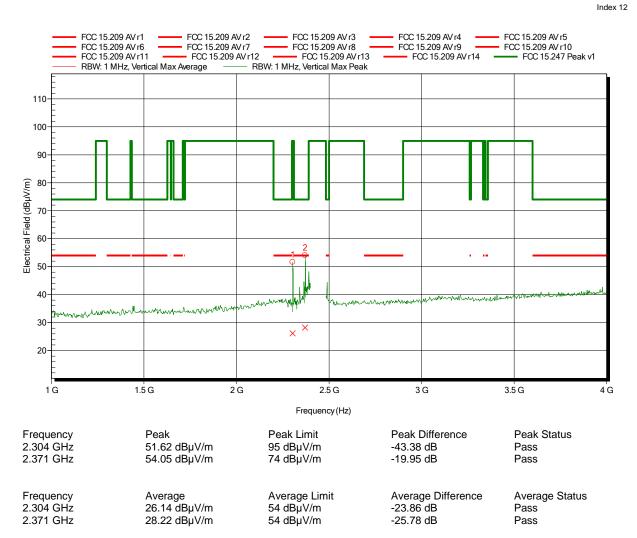
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Schwarzbeck BBHA 9120D, Vertical

Measurement distance: 3 m

Mode: TX; BT 3DH5 2441 MHz

Test Date: 2018-01-30





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

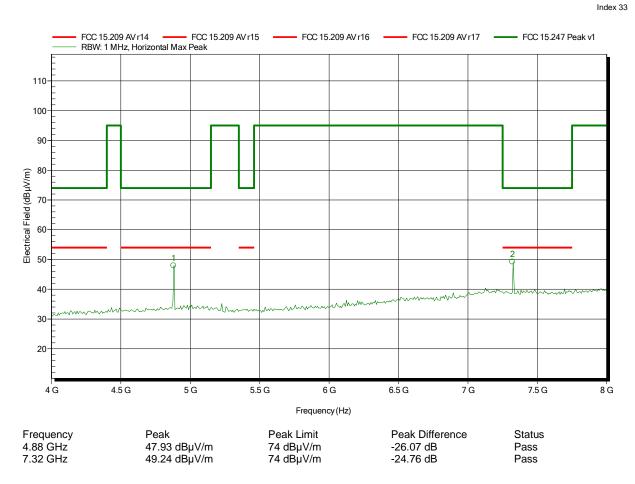
Operator: Sebastian Suckow

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





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

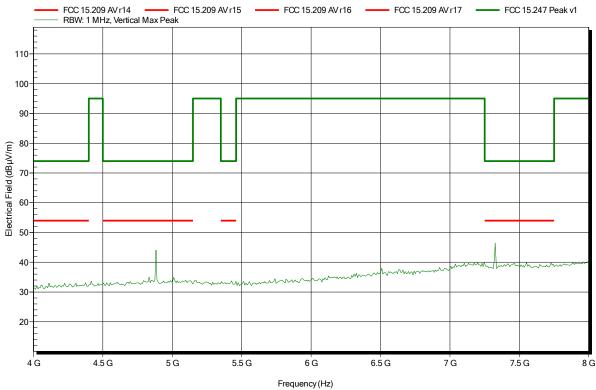
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Schwarzbeck BBHA 9120D, Vertical

Measurement distance: 1 m converted to 3m Mode: TX; BT 3DH5 2441 MHz

Test Date: 2018-01-30







Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

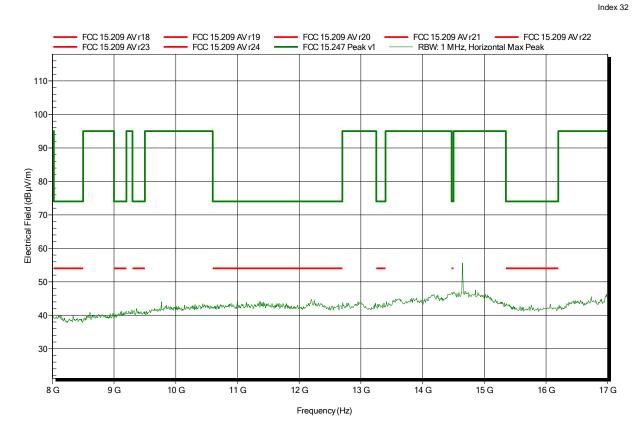
Operator: Sebastian Suckow

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





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

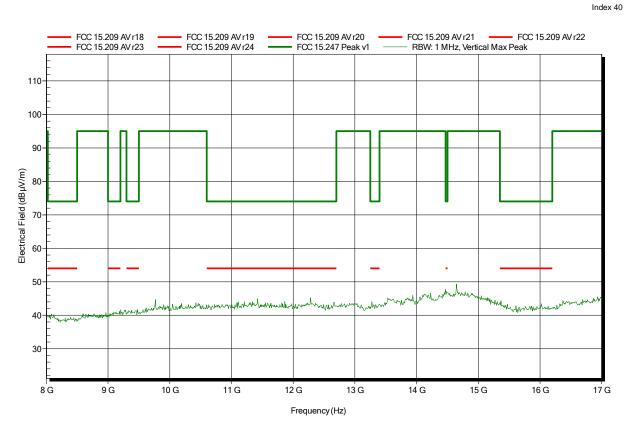
Operator: Sebastian Suckow

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





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:

Antenna:

Measurement distance:

Mode:

Tnom: 24°C, Vnom: 3.7 VDC

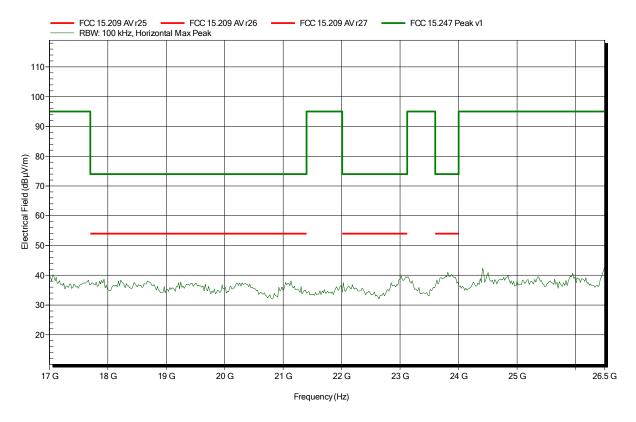
ATH18G40, Horizontal

1 m converted to 3m

TX; BT 3DH5 2441 MHz

Test Date: 2018-01-30

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

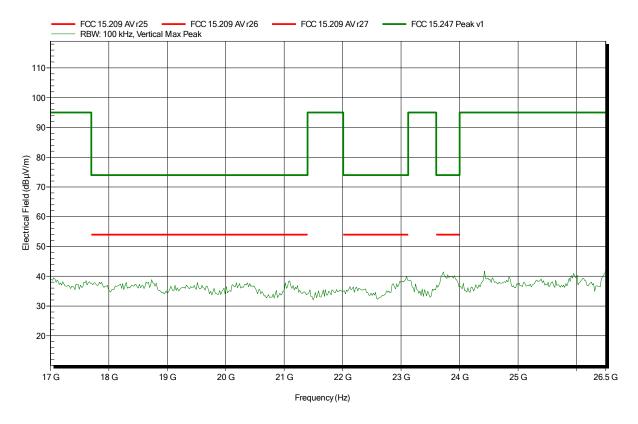
Operator: Sebastian Suckow

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:





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:

Antenna:

Measurement distance:

Mode:

Tnom: 23°C, Vnom: 3.7 VDC

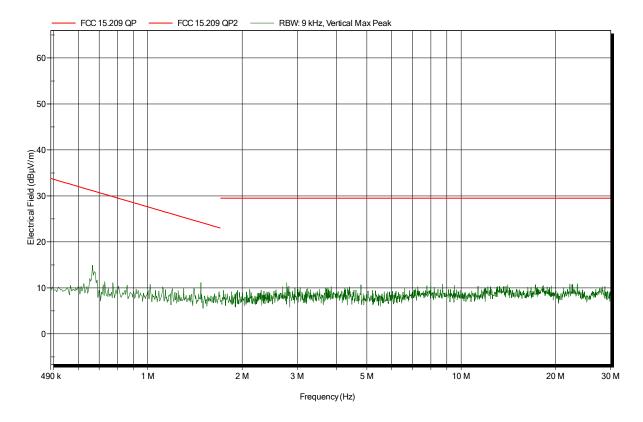
Rohde & Schwarz HFH 2-Z2

10 m converted to 30 m

TX; BT 3DH5 2480 MHz

Test Date: 2018-02-20

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

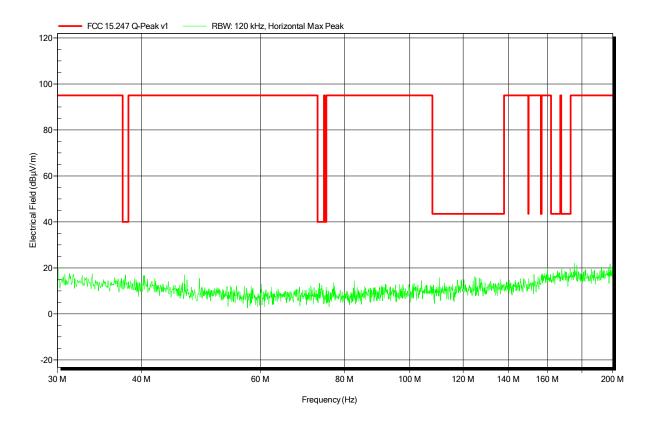
Antenna: Rohde & Schwarz HK 116, Horizontal

Measurement distance:

Mode: TX; BT 3DH5 2480 MHz

2018-02-02 Test Date:

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

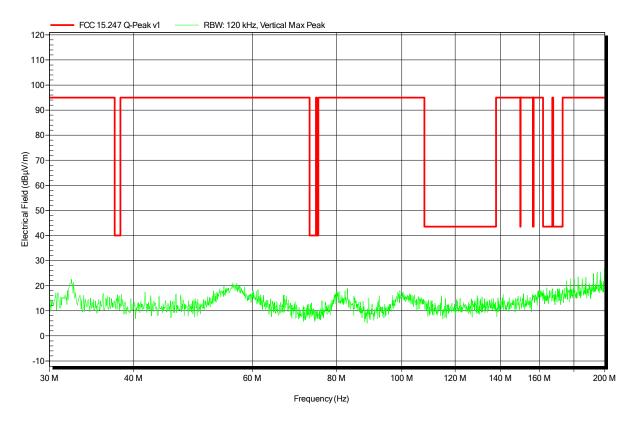
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC Antenna: Rohde & Schwarz HK 116, Vertical

Measurement distance:

TX; BT 3DH5 2480 MHz Mode:

2018-02-02 Test Date:

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

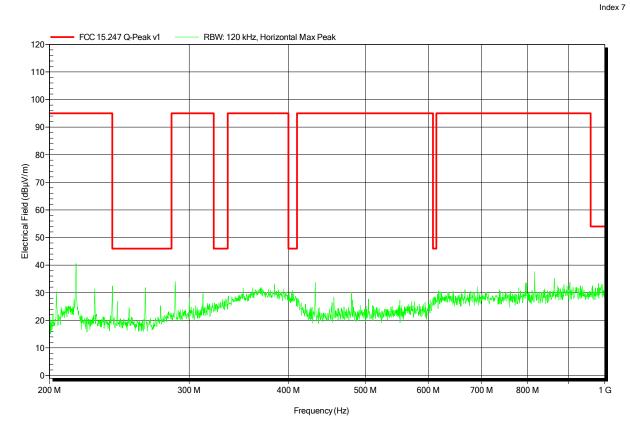
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Rohde & Schwarz HL 223, Horizontal

Measurement distance:

TX; BT 3DH5 2480 MHz Mode:

2018-02-02 Test Date:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

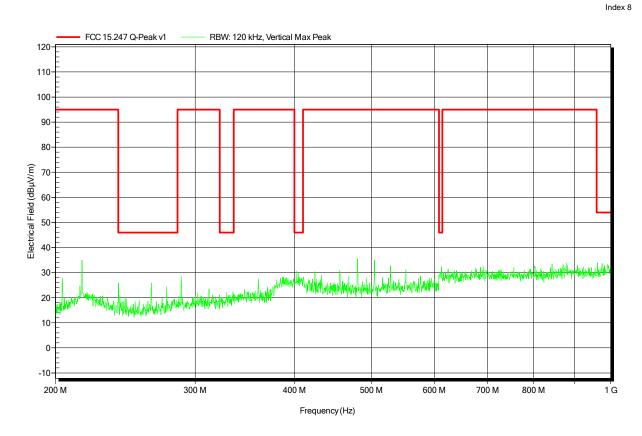
Operator: Mr. Suckow

Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC Antenna: Rohde & Schwarz HL 223, Vertical

Measurement distance:

TX; BT 3DH5 2480 MHz Mode:

2018-02-02 Test Date:





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

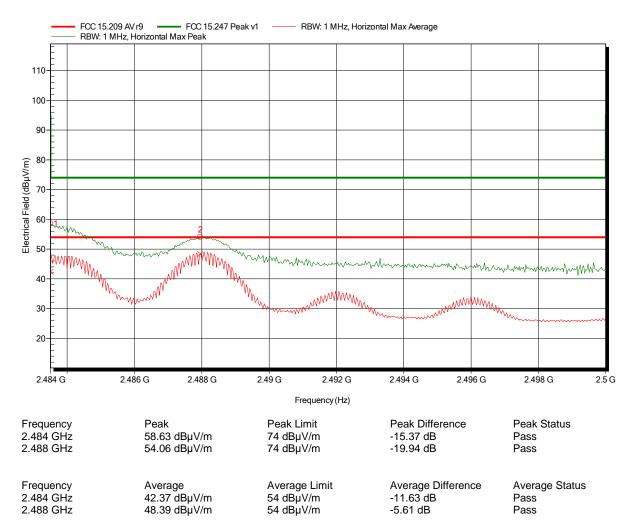
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Schwarzbeck BBHA 9120D, Horizontal

Measurement distance: 3 m

Mode: TX; BT 3DH5 2480 MHz

Test Date: 2018-01-30 Note: higher bandedge





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

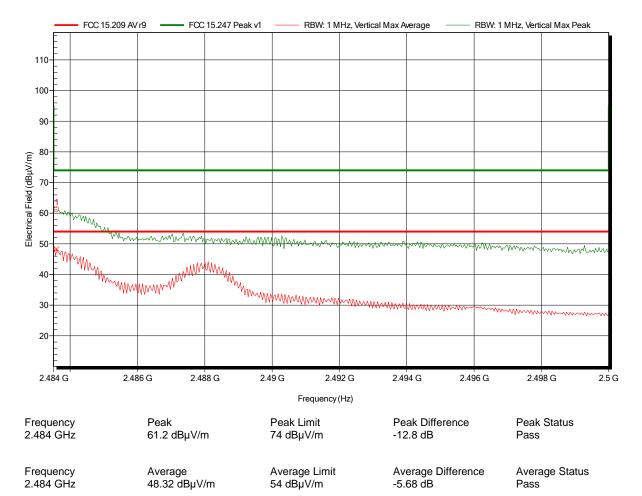
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Schwarzbeck BBHA 9120D, Vertical

Measurement distance: 3 m

Mode: TX; BT 3DH5 2480 MHz

Test Date: 2018-01-30 Note: higher bandedge





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

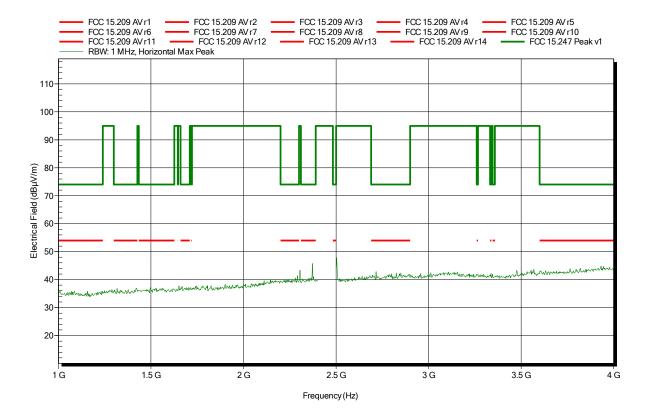
Antenna: Schwarzbeck BBHA 9120D, Horizontal

Measurement distance: 3 m

Mode: TX; BT 3DH5 2480 MHz

Test Date: 2018-01-30

Note:





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

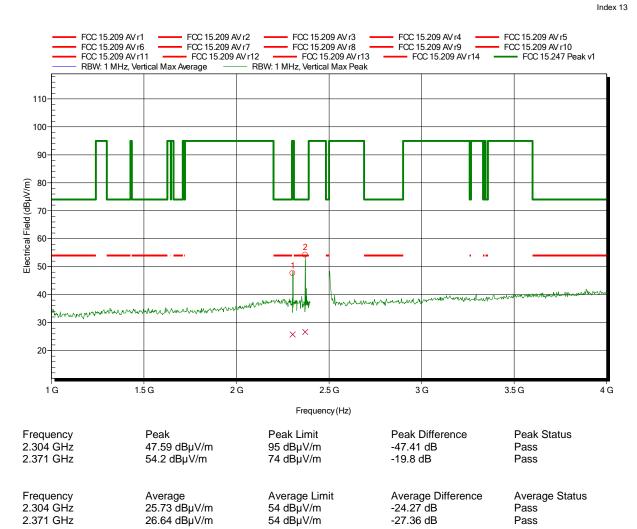
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Schwarzbeck BBHA 9120D, Vertical

Measurement distance: 3 m

Mode: TX; BT 3DH5 2480 MHz

Test Date: 2018-01-30





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

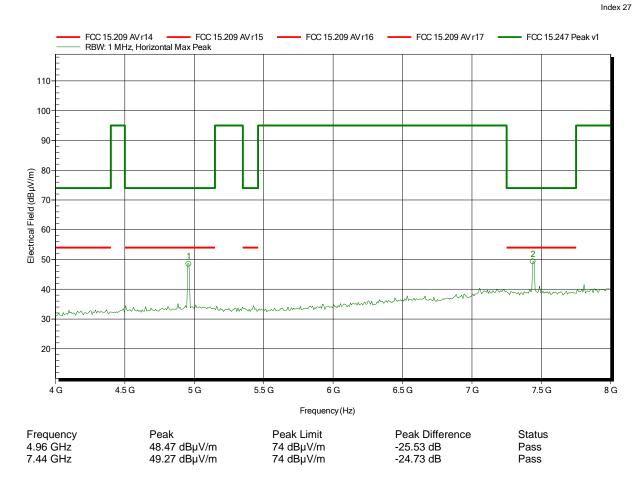
Operator: Sebastian Suckow

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





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

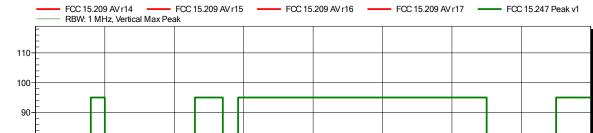
Test Date: 2018-01-30

Note:

4.5 G

4 G

5 G





6.5 G

7 G

7.5 G

8 G

5.5 G



Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

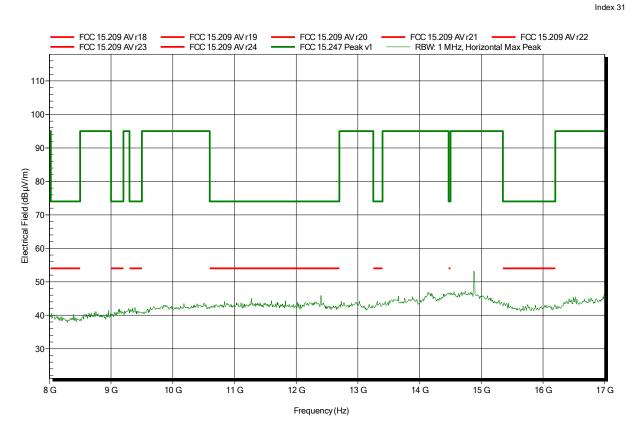
Operator: Sebastian Suckow

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





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

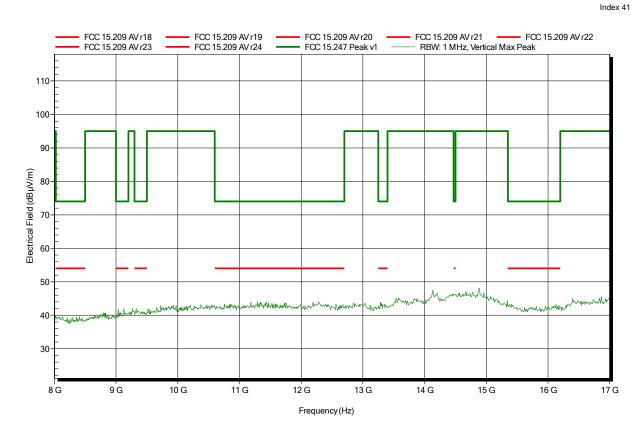
Operator: Sebastian Suckow

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





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:

Antenna:

Measurement distance:

Mode:

Tnom: 24°C, Vnom: 3.7 VDC

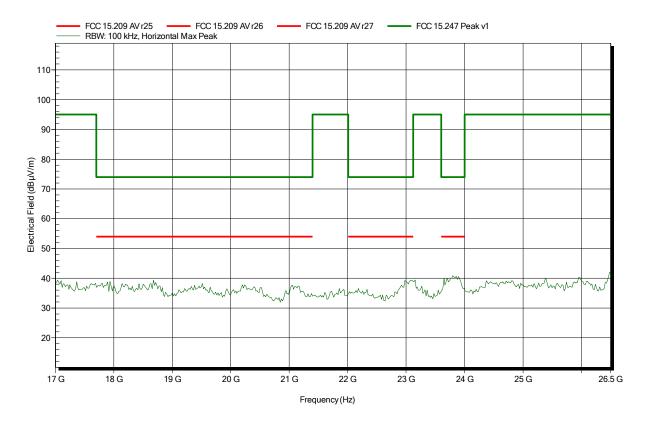
ATH18G40, Horizontal

1 m converted to 3m

TX; BT 3DH5 2480 MHz

Test Date: 2018-01-30

Note:





Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3
Model: AM3 Option BT+

Test Site: Eurofins Product Service GmbH

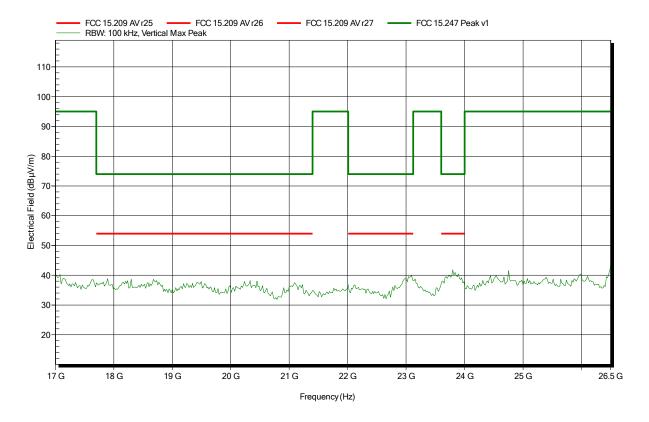
Operator: Sebastian Suckow

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:





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

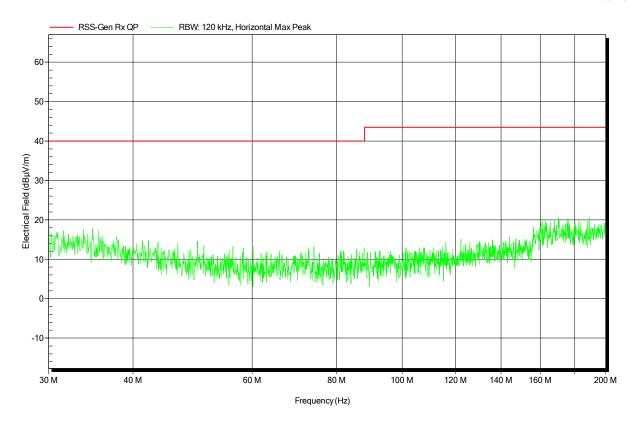
Antenna: Rohde & Schwarz HK 116, Horizontal

Measurement distance: 3 m

Mode: RX; BT Scan Mode

Test Date: 2018-02-02

Note:





Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

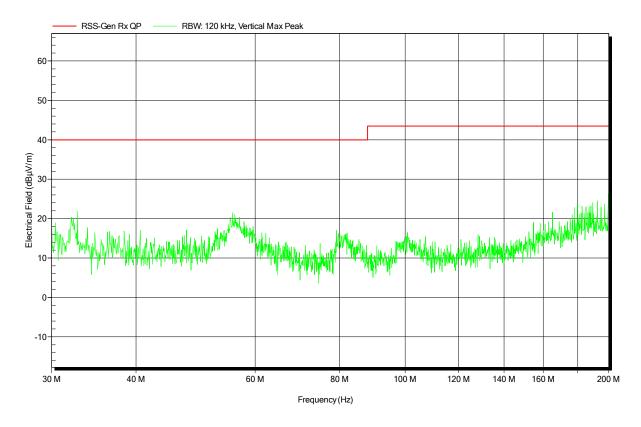
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC Antenna: Rohde & Schwarz HK 116, Vertical

Measurement distance:

Mode: RX; BT Scan Mode

2018-02-02 Test Date:

Note:





Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

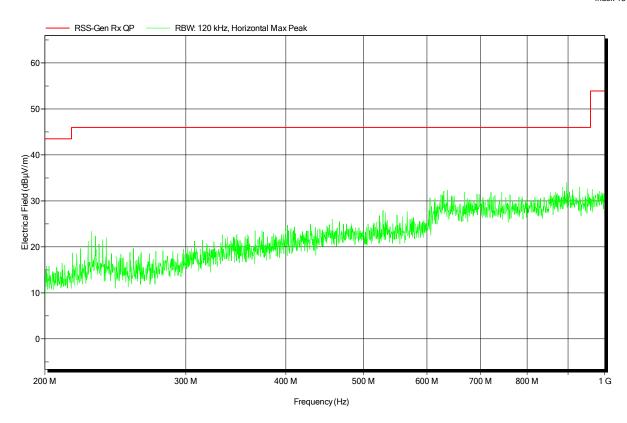
Antenna: Rohde & Schwarz HL 223, Horizontal

Measurement distance:

Mode: RX; BT Scan Mode

2018-02-02 Test Date:

Note:





Spurious emissions according to FCC 15.247

Project number: G0M-1712-7109

Applicant: eResearchTechnology GmbH

EUT Name: Asthma Monitor AM3 Model:

AM3 Option BT+ Eurofins Product Service GmbH Test Site:

Operator: Mr. Suckow

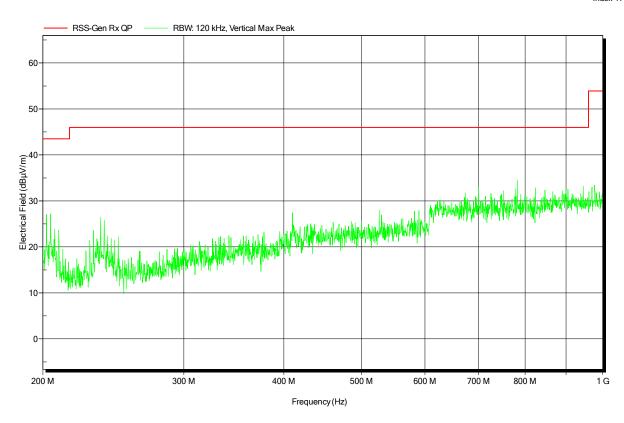
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC Antenna: Rohde & Schwarz HL 223, Vertical

Measurement distance:

Mode: RX; BT Scan Mode

2018-02-02 Test Date:

Note:





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

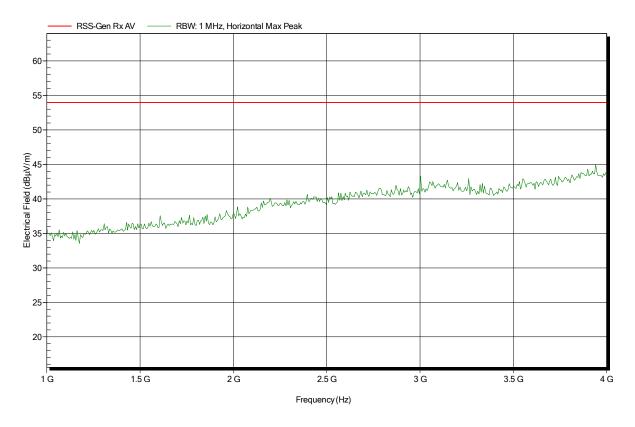
Antenna: Schwarzbeck BBHA 9120D, Horizontal

Measurement distance: 3 m

Mode: RX; BT Scan Mode

Test Date: 2018-01-30

Note:





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

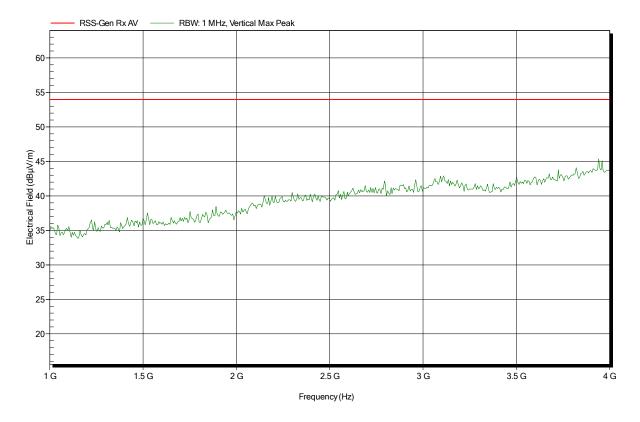
Antenna: Schwarzbeck BBHA 9120D, Vertical

Measurement distance: 3 m

Mode: RX; BT Scan Mode

Test Date: 2018-01-30

Note:





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

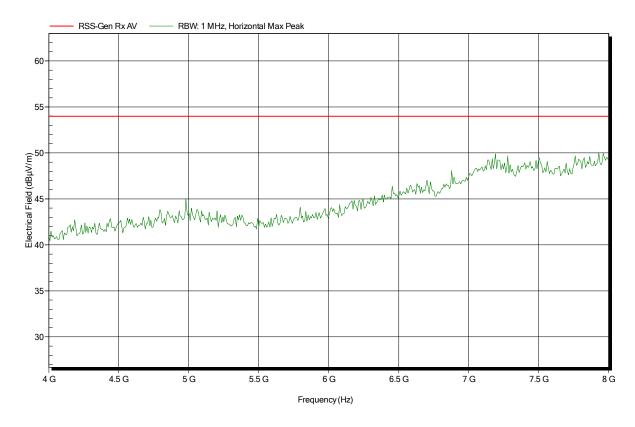
Antenna: Schwarzbeck BBHA 9120D, Horizontal

Measurement distance: 3 m

Mode: RX; BT Scan Mode

Test Date: 2018-01-30

Note:





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

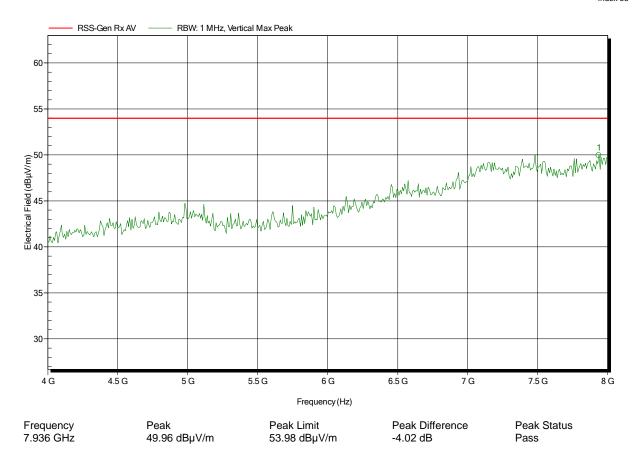
Antenna: Schwarzbeck BBHA 9120D, Vertical

Measurement distance: 3 m

Mode: RX; BT Scan Mode

Test Date: 2018-01-30

Note:





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

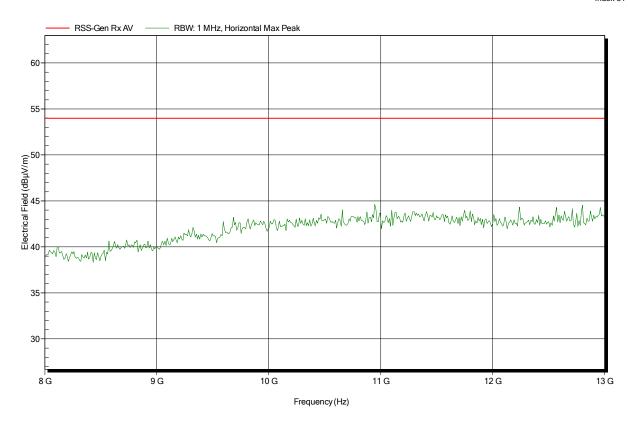
Test Conditions: Tnom: 24°C, Vnom: 3.7 VDC

Antenna: Schwarzbeck BBHA 9120D, Horizontal

Measurement distance: 1 m converted to 3m Mode: RX; BT Scan Mode

Test Date: 2018-01-30

Note:





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: RX; BT Scan Mode

Test Date: 2018-01-30

Note:

