

EMC TEST REPORT

FCC 47 CFR Part 15B
Industry Canada ICES-003

Electromagnetic compatibility - Unintentional radiators

Report Reference No. : G0M-1607-5773-EF0115B-V01

Testing Laboratory : Eurofins Product Service GmbH

Address : Storkower Str. 38c
15526 Reichenwalde
Germany

Accreditation :



A2LA Accredited Testing Laboratory, Certificate No.: 1983.01
FCC Filed Test Laboratory, Reg.-No.: 96970
IC OATS Filing assigned code: 3470A

Applicant's name : FALCOM GmbH

Address : Gewerbering 6
98704 Langewiesen
GERMANY

Test specification:

Standard..... : 47 CFR Part 15 Subpart B
ICES-003, Issue 6:2016
ANSI C63.4:2014

Equipment under test (EUT):

Product description	UMTS/GSM/GPS/LTE-Device	
Model No.	FOX3-4G-NA	
Additional Models	None	
Hardware version	P281_Rev03c	
Firmware / Software version	3.0.4	
	FCC-ID: QIXFOX3-4G-NA	IC: 5383A-FOX34GNA
Test result	Passed	

Test Report No.: G0M-1607-5773-EF0115B-V01

Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Possible test case verdicts:

- not applicable to test object: N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

Testing:

Date of receipt of test item: 2016-10-07

Date (s) of performance of tests: 2016-10-12 - 2016-10-24

Compiled by: Marco Belz

Tested by (+ signature).....: Andreas Pflug/Marco Belz

Approved by (+ signature): Jens Marquardt
Deputy Head of Lab

Date of issue: 2017-03-02

Total number of pages.....: 32

A. Pflug / M. Belz

Jens Marquardt

General remarks:

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

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

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

Additional comments:

Version History

Version	Issue Date	Remarks	Revised by
V01	2017-03-02	Initial Release	

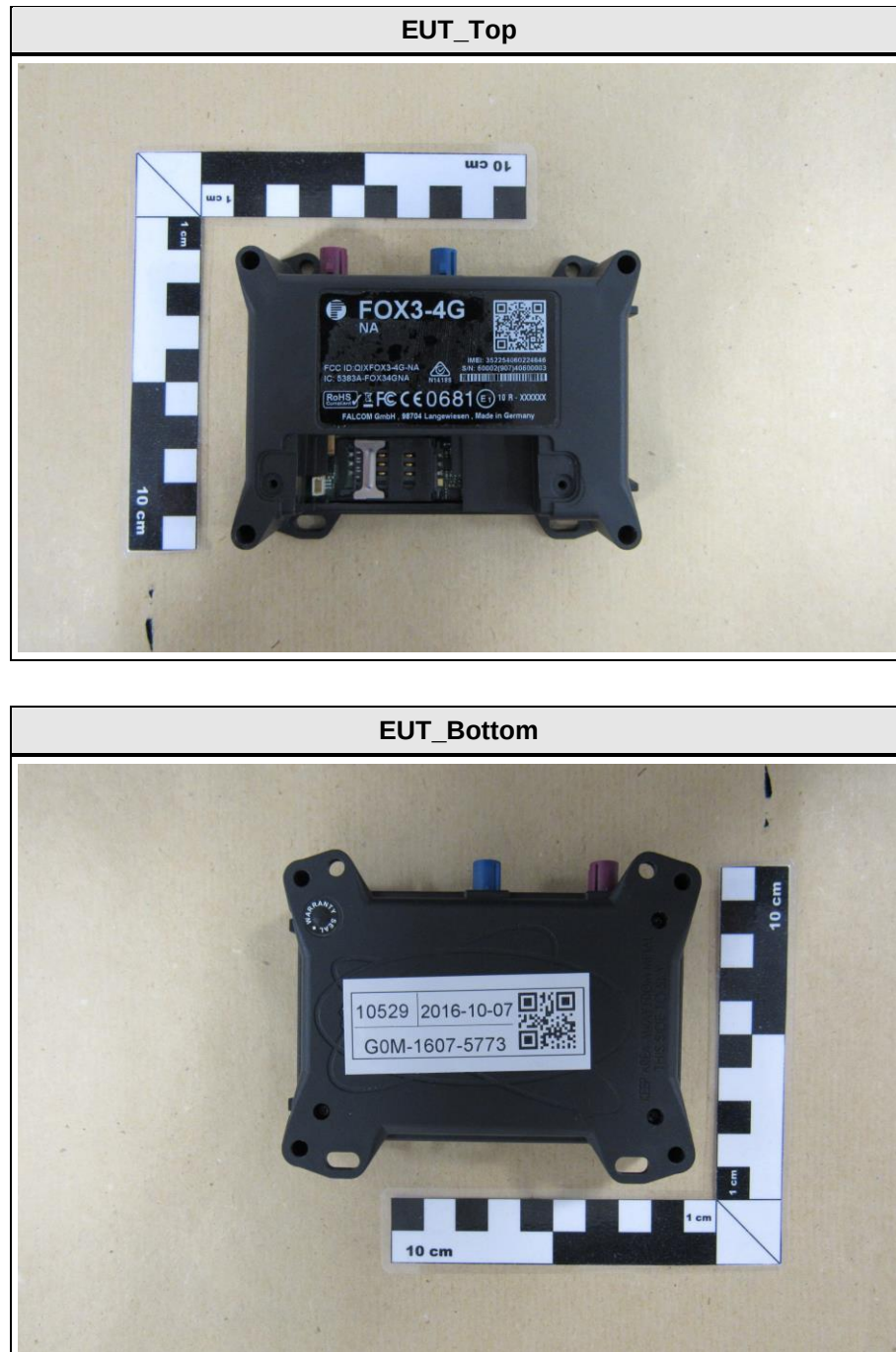
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1 Equipment (Test item) Description

Description	UMTS/GSM/GPS/LTE-Device	
Model	FOX3-4G-NA	
Additional Models	None	
Serial number	None	
Hardware version	P281_Rev03c	
Software / Firmware version	3.0.4	
FCC-ID	QIXFOX3-4G-NA	
IC	5383A-FOX34GNA	
Power supply	12 VDC /24 VDC vehicular battery	
AC/DC-Adaptor	None	
Radio module	Type	3G/4G module
	Model	TOBY-L200
	Manufacturer	UBlox
	HW Version	192CA0
	SW Version	15.90
	FCC-ID	XPYTOBYL200
	IC	8595A-TOBYL200
Manufacturer	FALCOM GmbH Gewerbering 6 98704 Langewiesen GERMANY	
Highest emission frequency	Fmax [MHz] = 2100	
Device classification	Class B	
Equipment type	Tabletop	
Number of tested samples	1	

1.1 Photos – Equipment external



Test Report No.: G0M-1607-5773-EF0115B-V01

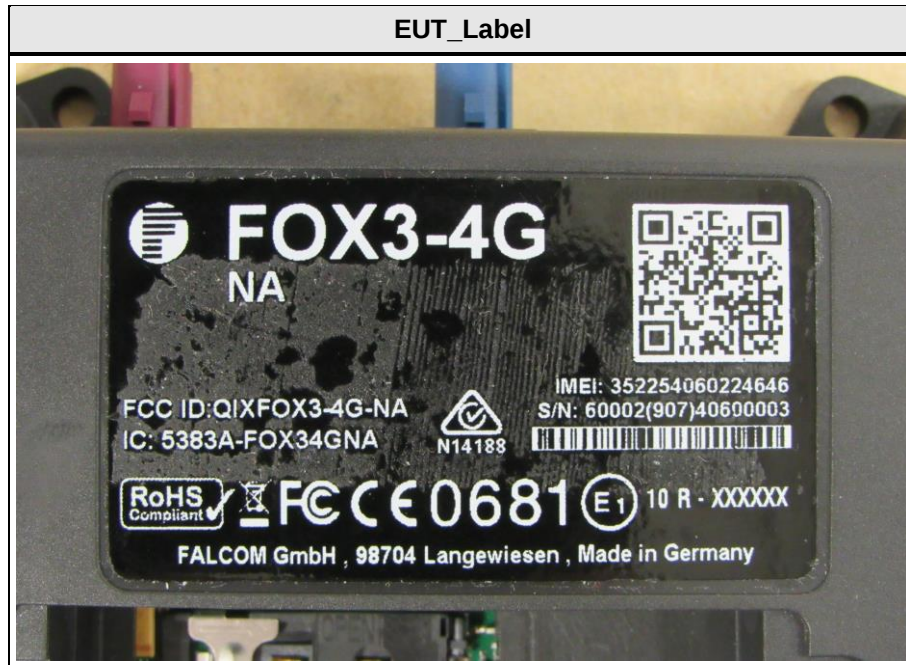
Eurofins Product Service GmbH
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EUT_Ports

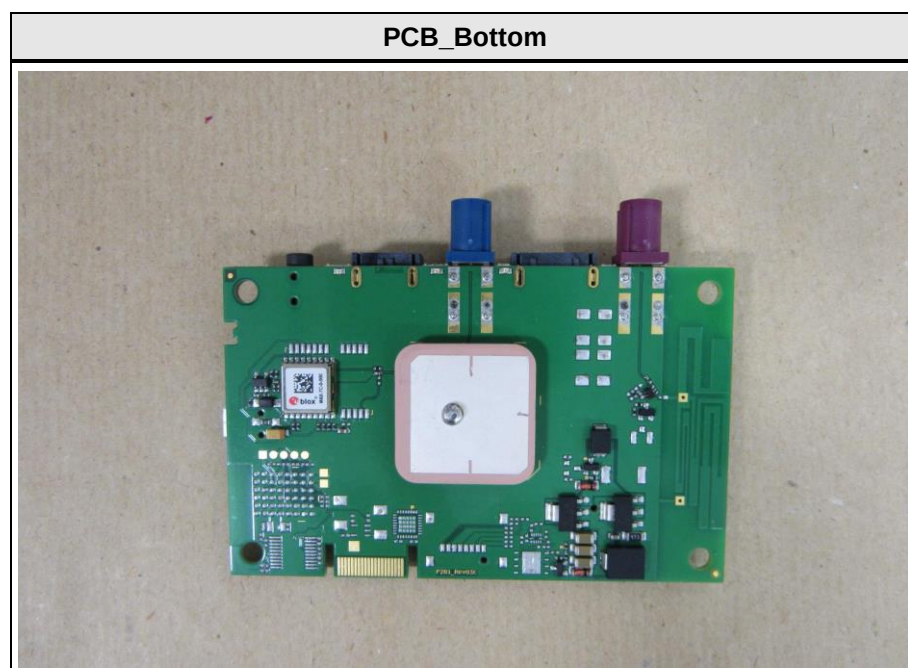
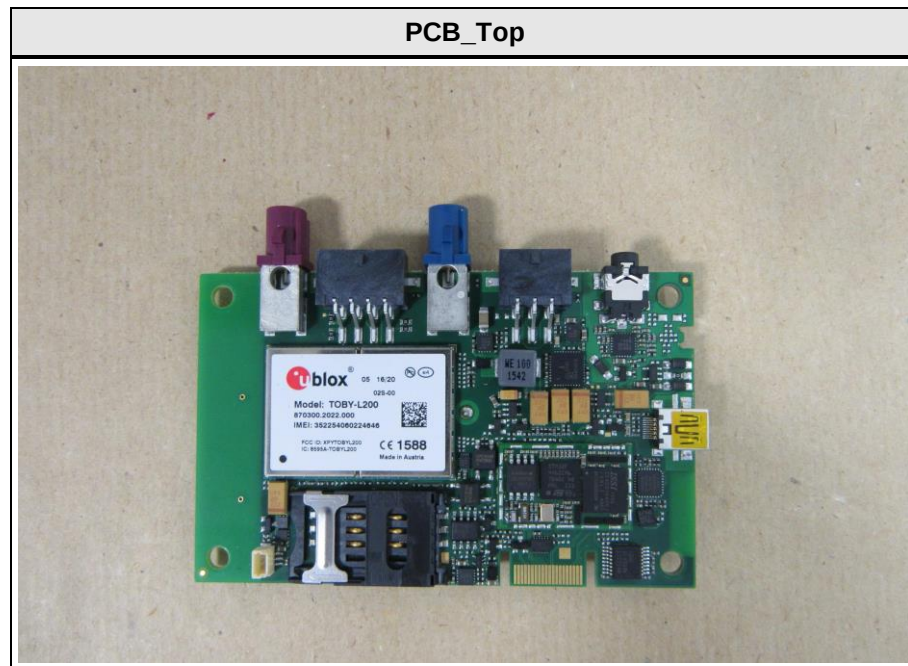


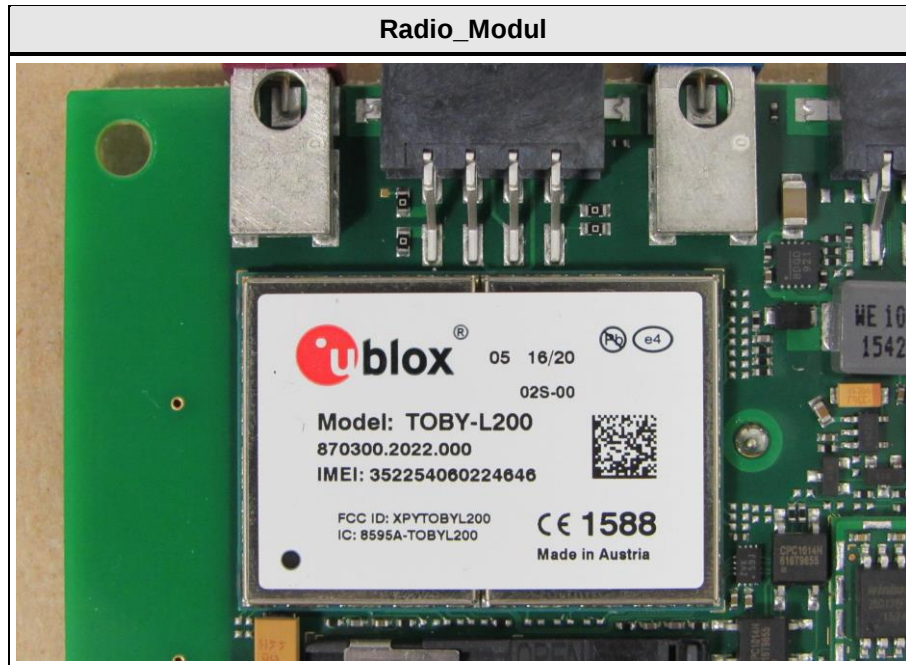
EUT_Side



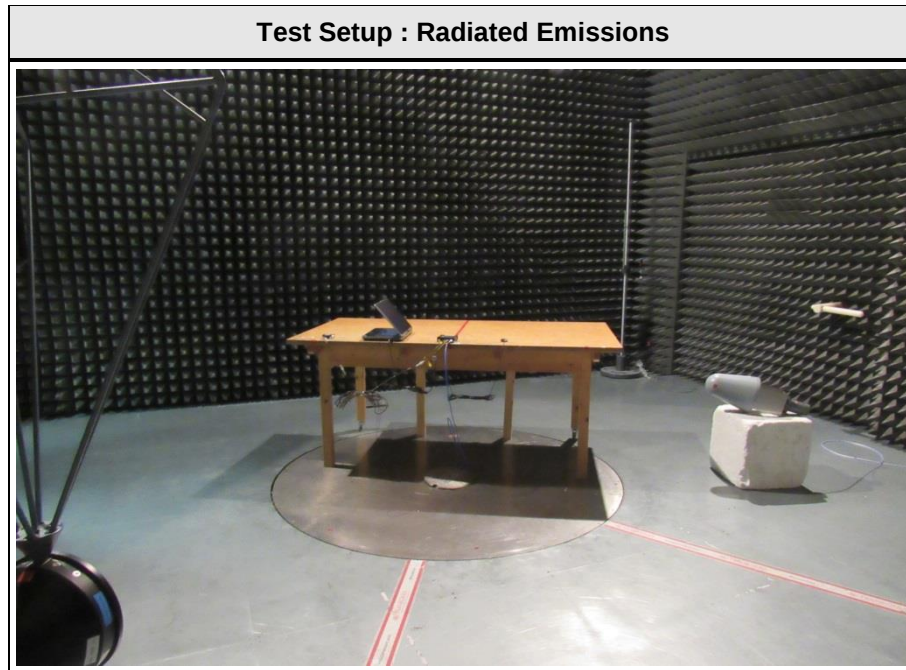


1.2 Photos – Equipment internal





1.3 Photos – Test setup



1.4 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments (e.g. serial no.)
AE	Laptop	DELL	Latitude E6420	4250209
AE	Terminal	Falcom	STEPP III CH-B1	303051112380008
AE	Adapter	Delock	USB to serial	61856
AE	Communication Tester	Rohde & Schwarz	CMU200	EF00304

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

AE : Auxiliary/Associated Equipment, or

SIM : Simulator (Not Subjected to Test)

CABL : Connecting cables

1.5 Input / Output Ports

Port #	Name	Type*	Max. Cable Length	Cable Shielded	Comments (e.g. Cat. of Cable)
1	Power	DC	2 m	No	
2	Antenna GSM	I/O	> 3m	No	
3	Antenna GPS	I/O	> 3m	No	
4	RS 232	I/O	2 m	No	Service only
5	CAN	I/O	2 m	No	
6	USB	I/O	n/a	n/a	Service only
7	Molex 6 pin	I/O	n/a	n/a	Not tested
8	Audio Interface	I/O	n/a	n/a	Not tested

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

AC : AC power port

DC : DC power port

N/E : Non electrical

I/O : Signal input or output port

TP : Telecommunication port

1.6 Operating Modes and Configurations

Mode #	Description
1	GSM, RS 232 and GPS active
2	UMTS, RS 232 and GPS active
3	LTE, RS 232 and GPS active

Configuration #	EUT Configuration
1	Connection to R&S CMU 200 established; RS 232 Communication to Notebook; GPS reception;

1.7 Test Equipment Used During Testing

Measurement Software			
Description	Manufacturer	Name	Version
EMC Test Software	Dare Instruments	Radimation	2014.1.15

Radiated emissions – 3m Chamber					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Biconical Antenna	R&S	HK 116	EF00012	2016-05	2019-05
LPD-Antenne	R&S	HL 223	EF00187	2016-05	2019-05
Horn antenna	Schwarzbeck	BBHA 9120D	EF00018	2016-09	2019-09
EMI Test Receiver	R&S	ESU26	EF00887	2017-01	2018-01

Radiated emissions – 10m Chamber					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Biconical Antenna	R&S	HK 116	EF00012	2016-05	2019-05
LPD-Antenne	R&S	HL 223	EF00187	2016-05	2019-05
Horn antenna	Schwarzbeck	BBHA 9120D	EF00018	2016-09	2019-09
EMI Test Receiver	Keysight	N9038A-526	EF01070	2016-08	2017-08
RF Cable	Huber & Suhner	Sucoflex 106	-	System Cal.	System Cal
RF Cable	Huber & Suhner	Multiflex 141	-	System Cal.	System Cal

1.8 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:

$$\text{Reading on Analyzer (dB}\mu\text{V)} + \text{A.F. (dB)} = \text{Net field strength (dB}\mu\text{V/m)}$$

Net:

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

Limit:

This is the FCC Class B radiated emission limit (in units of 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:

$$\text{Limit (dB}\mu\text{V/m)} = 20 * \log (\mu\text{V/m})$$

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 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 15B, Industry Canada ICES-003				
Product Specific Standard	Requirement – Test	Reference Method	Result	Remarks
47 CFR 15.109 ICES-003 Item 6.2	Radiated emissions	ANSI C 63.4	PASS	
47 CFR 15.107 ICES-003 Item 6.1	AC power line conducted emissions	ANSI C63.4	N/A	
Remarks:				

3 Test Conditions and Results

3.1 Test Conditions and Results – Radiated emissions

Radiated emissions acc. FCC 47 CFR 15.109 / ICES-003				Verdict: PASS		
Laboratory Parameters:		Required prior to the test		During the test		
Ambient Temperature		15 to 35 °C		23 °C		
Relative Humidity		30 to 60 %		38 %		
Test according referenced standards		Reference Method				
		ANSI C63.4				
Sample is tested with respect to the requirements of the equipment class		Equipment class				
		Class B				
Test frequency range determined from highest emission frequency		Highest emission frequency				
		Fmax [MHz] = 2100				
Fully configured sample scanned over the following frequency range		Frequency range				
		30 MHz to 15 GHz				
Operating mode		1 / 2 / 3				
Configuration		1				
Limits and results Class B						
Frequency [MHz]	Quasi-Peak [dBµV/m]	Result	Average [dBµV/m]	Result	Peak [dBµV/m]	Result
30 – 88	40	PASS	-		-	-
88 – 216	43.5	PASS	-		-	-
216 – 960	46	PASS	-		-	-
960 – 1000	54	PASS	-		-	-
> 1000	-	-	54	PASS	74	PASS
Comments:						

Test Procedure:

The test site is in accordance with ANSI C63-4:2014 requirements and is listed by FCC.
The measurement procedure is as follows:

Exploratory measurement:

- The EUT was placed on a non-conductive table at a height of 0.8m.
- The EUT and support equipment, if needed, were set up to simulate typical usage.
- Cables, of type and length specified by the manufacturer, were connected to at least one port of each type and were terminated by a device or simulating load of actual usage.
- The antenna was placed at a distance of 3 or 10 m.
- The received signal was monitored at the measurement receiver.
 - Cables not bundled were manipulated within the range of likely arrangements to produce the highest emission amplitude
 - To maximize the suspected emissions the EUT is rotated 360 degrees. If the signal exceeds the previous amplitude, go back to the corresponding azimuth and manipulate the cables again for maximizing the emissions if possible.
 - Move the antenna from 1 to 4m to maximize the suspected highest amplitude signal.
- This procedure has to be performed in both antenna polarizations, horizontal and vertical.
- The arrangement of the equipment with the maximum emission level is shown on the setup picture at item 1.3.

Final measurement:

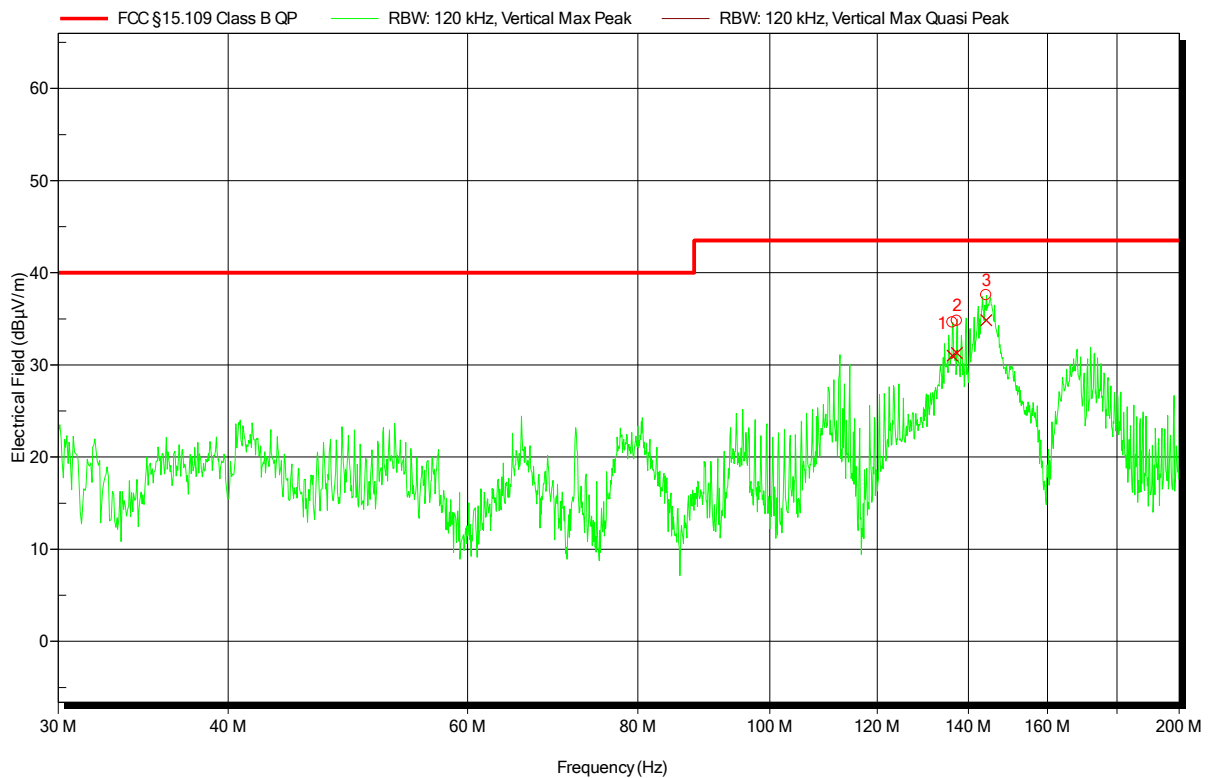
- The EUT was placed on a 0.8 m non-conductive table at a 3 m distance from the receive antenna. The antenna output was connected to the measurement receiver
- A biconical antenna was used for the frequency range 30 – 200 MHz, a logarithmic periodical antenna was used for the frequency range from 200 – 1000 MHz. Above one 1 GHz a Double Ridged Broadband Horn antenna was used. The antenna was placed on an adjustable height antenna mast
- The EUT and cable arrangement were based on the exploratory measurement results
- Emissions were maximized at each frequency by rotating the EUT and adjusting the receive antenna height and polarization. The maximum values were recorded.
- The test data of the worst-case conditions were recorded and shown on the next pages.

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
 EUT Name: smart tracking / data logging device
 Model: FOX3-4G-NA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement distance: 3m
 Mode: GSM 900; GPS u. RS232 active,
 Test Date: 2016-10-12
 Note:

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Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	136.266 MHz	31.01 dBµV/m	43.52 dBµV/m	-12.51 dB	Pass	360 Degree	1 m
2	137.298 MHz	31.28 dBµV/m	43.52 dBµV/m	-12.25 dB	Pass	360 Degree	1 m
3	144.24 MHz	34.86 dBµV/m	43.52 dBµV/m	-8.66 dB	Pass	360 Degree	1 m

Test Report No.: G0M-1607-5773-EF0115B-V01

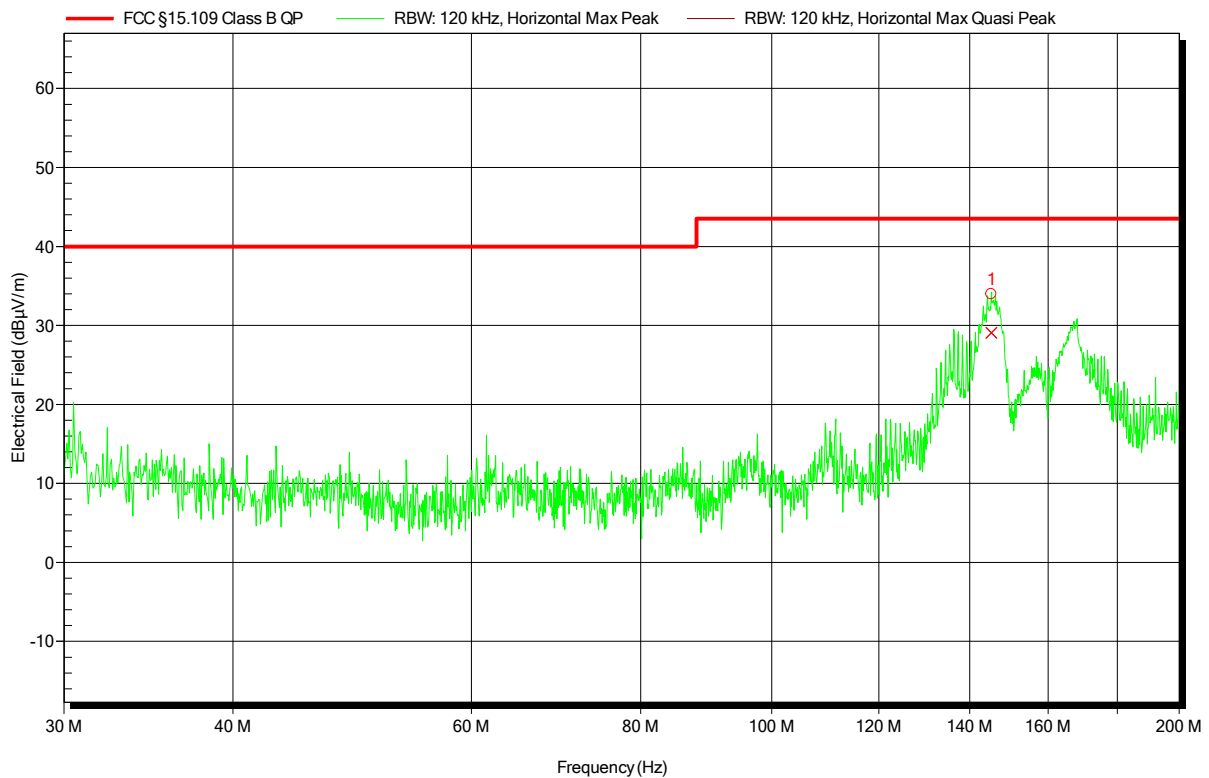
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
EUT Name: smart tracking / data logging device
Model: FOX3-4G-NA
Test Site: Eurofins Product Service GmbH
Operator: Mr. Belz
Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
Antenna: Rohde & Schwarz HK 116, Horizontal
Measurement distance: 3m
Mode: GSM 900; GPS u. RS232 active,
Test Date: 2016-10-12
Note:

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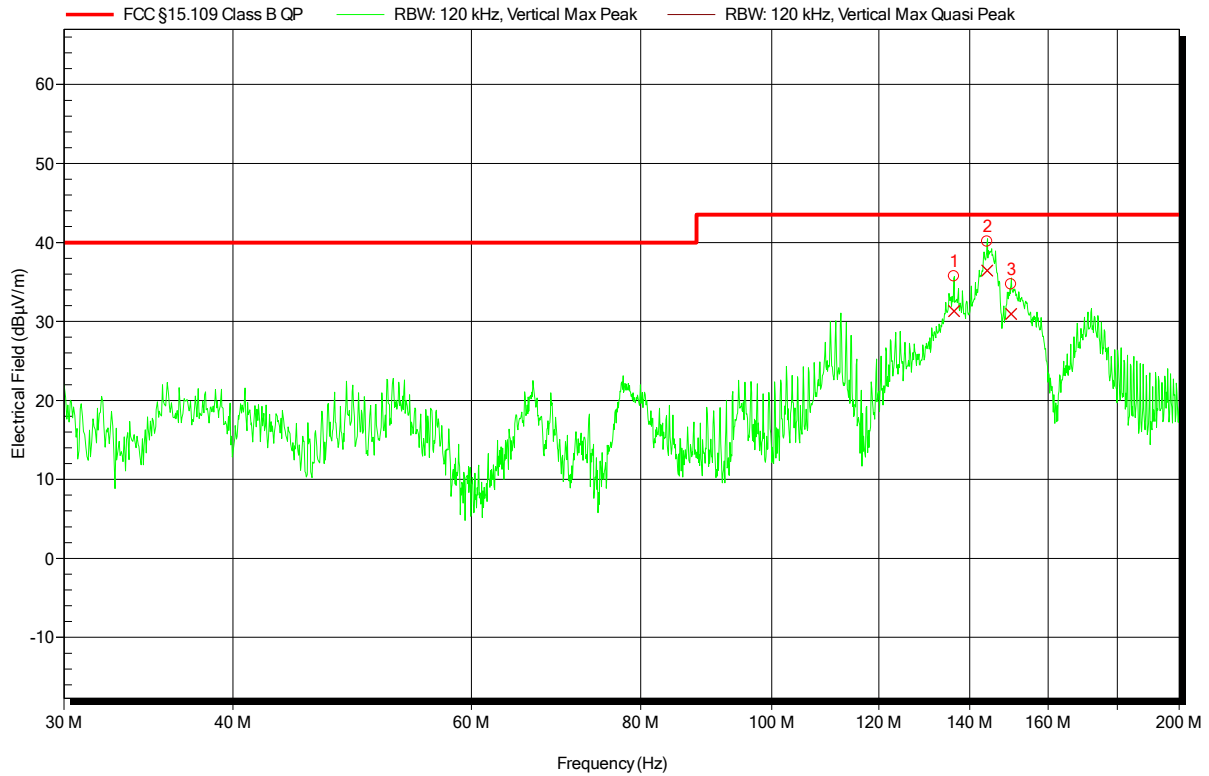
Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	145.26 MHz	29.09 dBµV/m	43.52 dBµV/m	-14.44 dB	Pass	120 Degree	1.21 m

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
 EUT Name: smart tracking / data logging device
 Model: FOX3-4G-NA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement distance: 3m
 Mode: UMTS; GPS u. RS232 active,
 Test Date: 2016-10-12
 Note:

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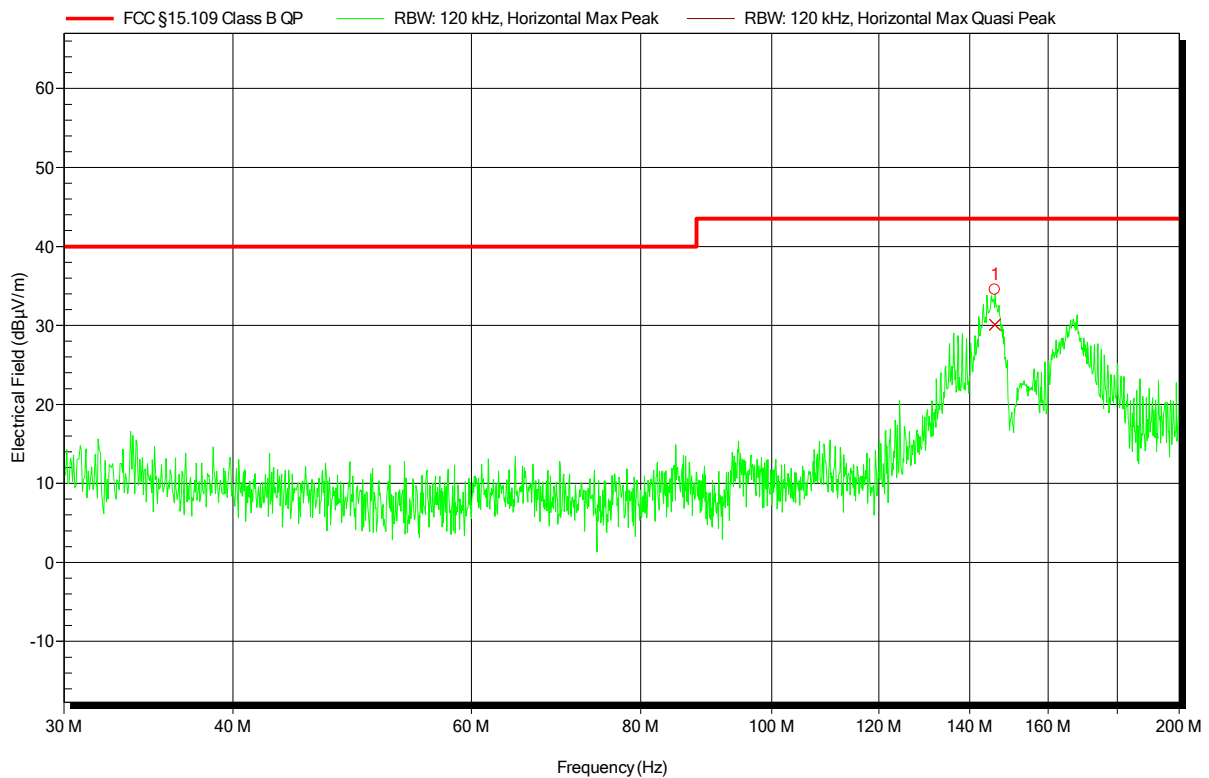
Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	136.326 MHz	31.3 dBμV/m	43.52 dBμV/m	-12.22 dB	Pass	360 Degree	1 m
2	144.24 MHz	36.44 dBμV/m	43.52 dBμV/m	-7.09 dB	Pass	360 Degree	1 m
3	150.24 MHz	30.92 dBμV/m	43.52 dBμV/m	-12.6 dB	Pass	360 Degree	1 m

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
 EUT Name: smart tracking / data logging device
 Model: FOX3-4G-NA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: Rohde & Schwarz HK 116, Horizontal
 Measurement distance: 3m
 Mode: UMTS; GPS u. RS232 active,
 Test Date: 2016-10-12
 Note:

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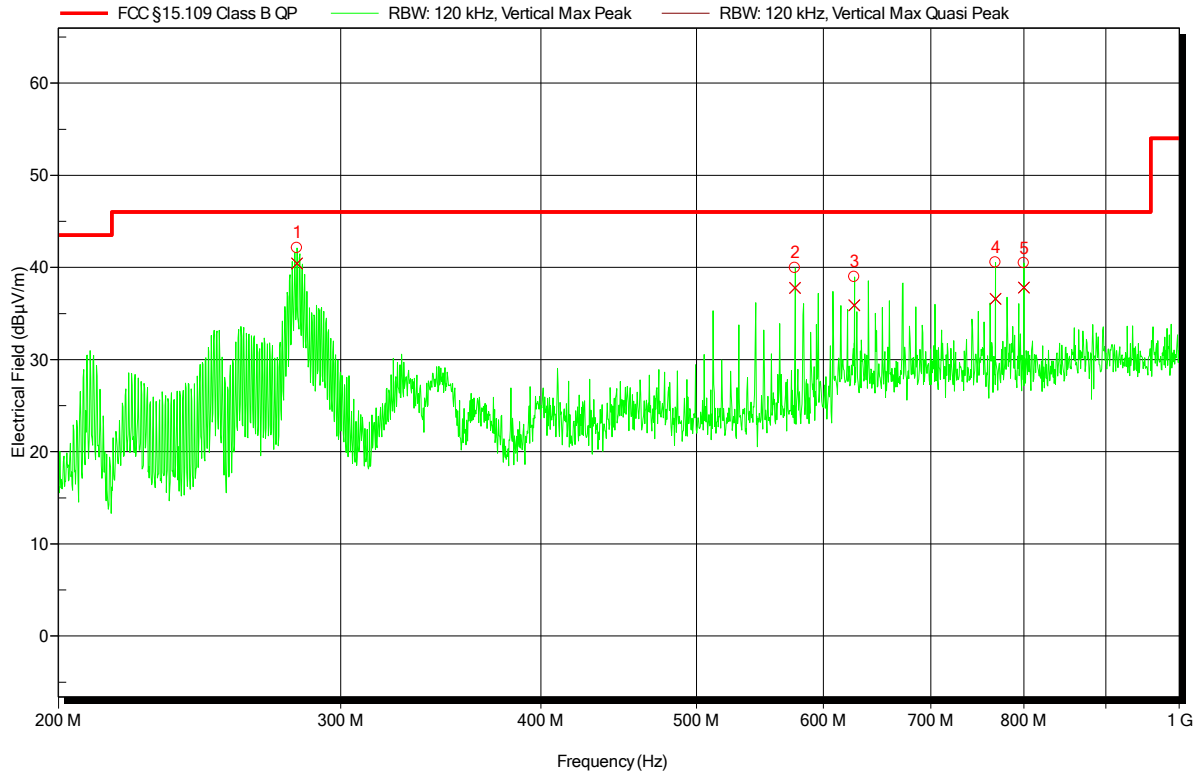
Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	146.16 MHz	30.09 dBµV/m	43.52 dBµV/m	-13.43 dB	Pass	120 Degree	1.21 m

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
 EUT Name: smart tracking / data logging device
 Model: FOX3-4G-NA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3m
 Mode: LTE; GPS u. RS232 active,
 Test Date: 2016-10-12
 Note:

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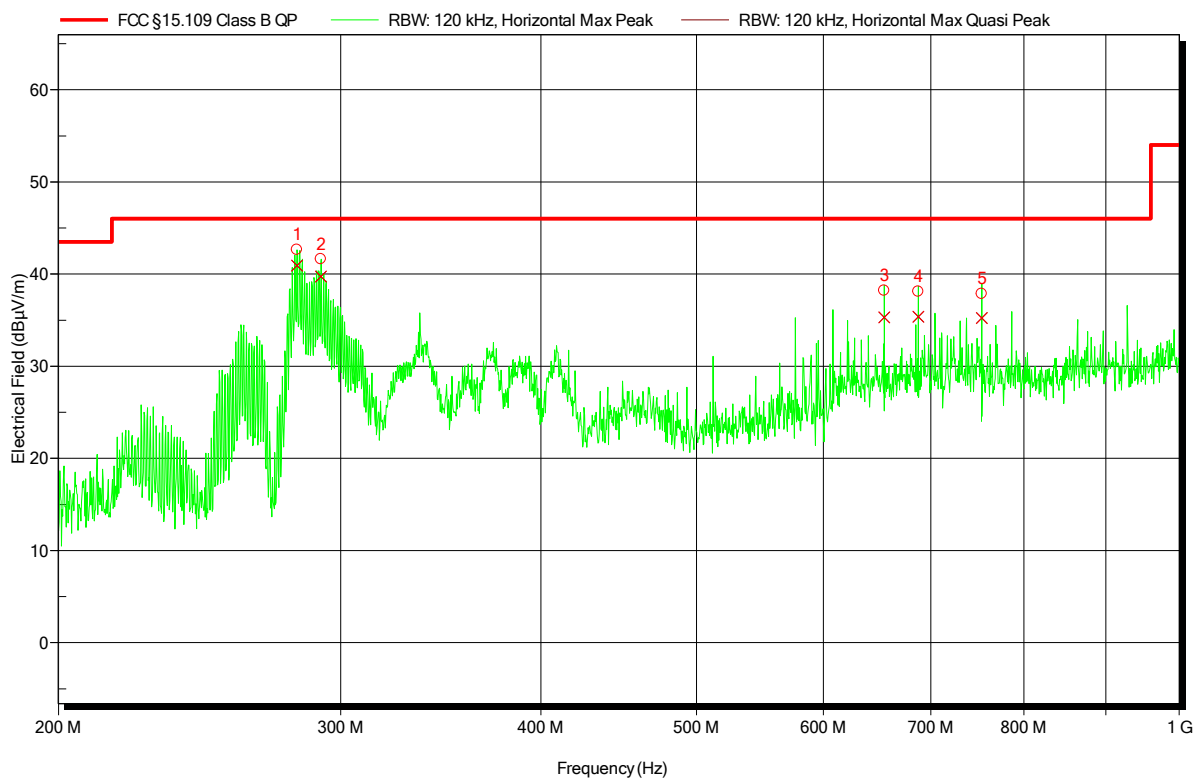
Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	281.81 MHz	40.43 dBµV/m	46.02 dBµV/m	-5.59 dB	Pass	26 Degree	1 m
2	575.99 MHz	37.8 dBµV/m	46.02 dBµV/m	-8.22 dB	Pass	26 Degree	1 m
3	627.212 MHz	35.9 dBµV/m	46.02 dBµV/m	-10.12 dB	Pass	26 Degree	1 m
4	767.99 MHz	36.59 dBµV/m	46.02 dBµV/m	-9.43 dB	Pass	26 Degree	1 m
5	799.994 MHz	37.83 dBµV/m	46.02 dBµV/m	-8.19 dB	Pass	26 Degree	1 m

Spurious emissions under normal conditions according to FCC Part 15b

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 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3m
 Mode: LTE; GPS u. RS232 active,
 Test Date: 2016-10-12
 Note:

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Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	281.822 MHz	40.92 dBµV/m	46.02 dBµV/m	-5.1 dB	Pass	130 Degree	1.15 m
2	291.734 MHz	39.73 dBµV/m	46.02 dBµV/m	-6.29 dB	Pass	130 Degree	1.15 m
3	654.77 MHz	35.31 dBµV/m	46.02 dBµV/m	-10.71 dB	Pass	130 Degree	1.15 m
4	687.494 MHz	35.38 dBµV/m	46.02 dBµV/m	-10.64 dB	Pass	130 Degree	1.15 m
5	752.978 MHz	35.22 dBµV/m	46.02 dBµV/m	-10.8 dB	Pass	130 Degree	1.15 m

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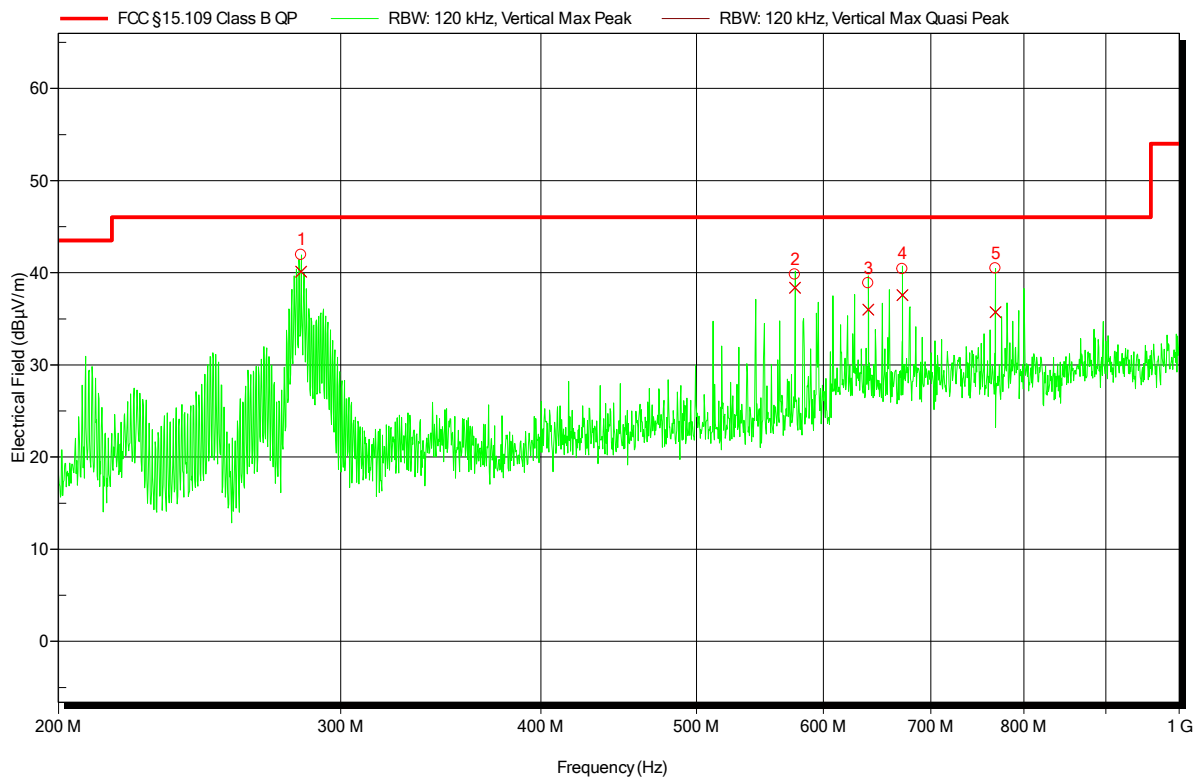
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Antenna: Rohde & Schwarz HL 223, Vertical
Measurement distance: 3m
Mode: UMTS; GPS u. RS232 active,
Test Date: 2016-10-12
Note:

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Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	283.556 MHz	40.13 dBµV/m	46.02 dBµV/m	-5.89 dB	Pass	26 Degree	1 m
2	575.99 MHz	38.36 dBµV/m	46.02 dBµV/m	-7.66 dB	Pass	26 Degree	1 m
3	640.004 MHz	36 dBµV/m	46.02 dBµV/m	-10.02 dB	Pass	26 Degree	1 m
4	671.984 MHz	37.58 dBµV/m	46.02 dBµV/m	-8.44 dB	Pass	26 Degree	1 m
5	767.978 MHz	35.74 dBµV/m	46.02 dBµV/m	-10.28 dB	Pass	26 Degree	1 m

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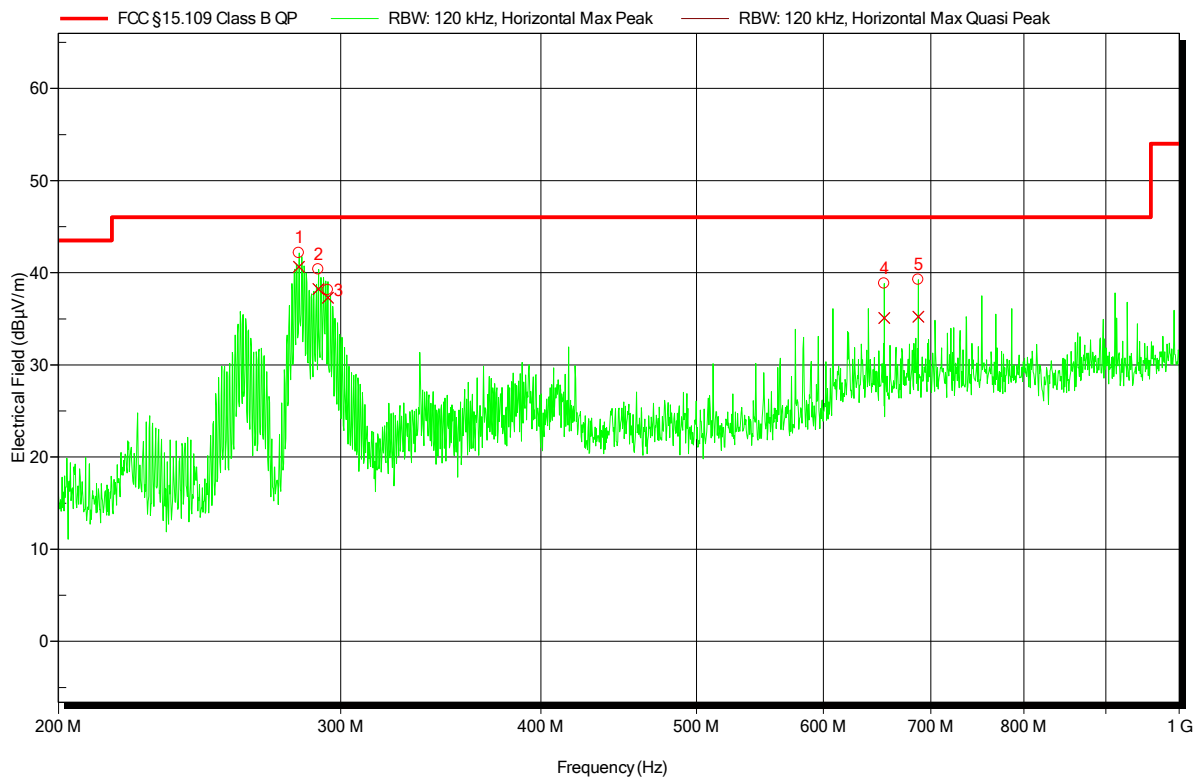
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 Note:

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Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	282.65 MHz	40.64 dBµV/m	46.02 dBµV/m	-5.38 dB	Pass	130 Degree	1.1 m
2	290.606 MHz	38.23 dBµV/m	46.02 dBµV/m	-7.79 dB	Pass	130 Degree	1.1 m
3	294.56 MHz	37.29 dBµV/m	46.02 dBµV/m	-8.73 dB	Pass	130 Degree	1.1 m
4	654.764 MHz	35.09 dBµV/m	46.02 dBµV/m	-10.93 dB	Pass	130 Degree	1.1 m
5	687.488 MHz	35.22 dBµV/m	46.02 dBµV/m	-10.8 dB	Pass	130 Degree	1.1 m

Test Report No.: G0M-1607-5773-EF0115B-V01

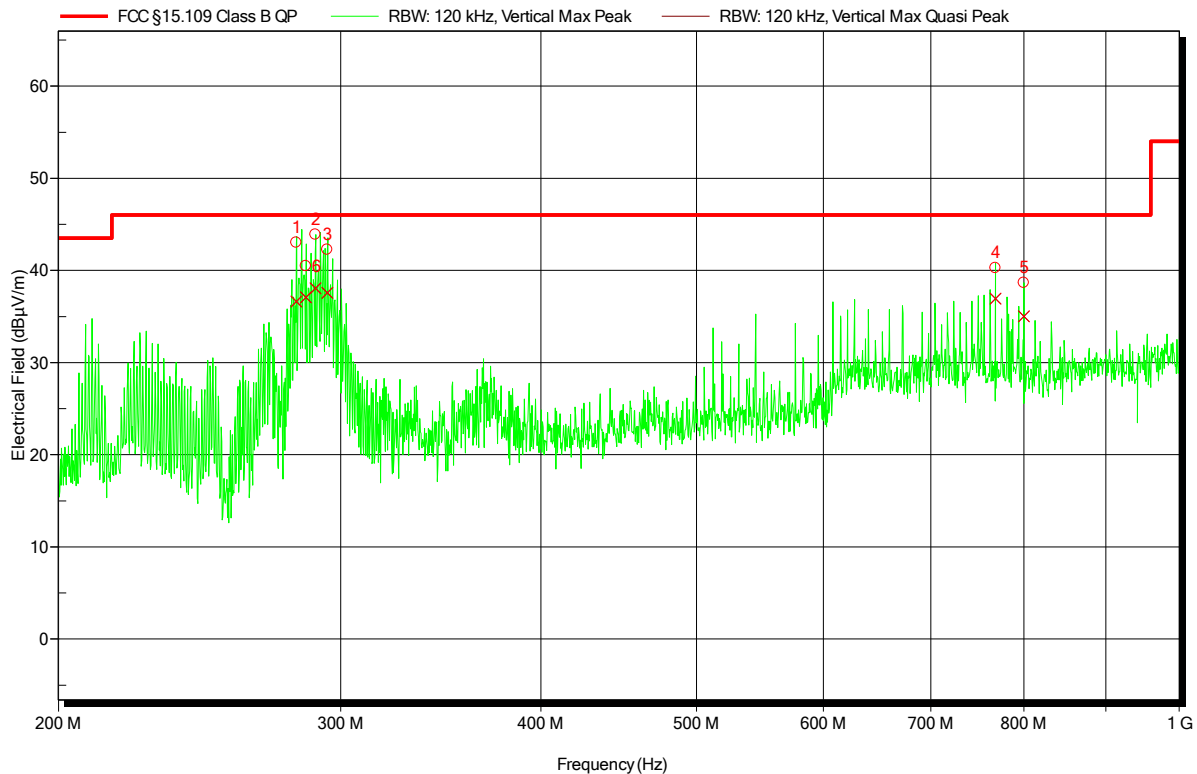
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Note:

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Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	281.552 MHz	36.62 dBµV/m	46.02 dBµV/m	-9.41 dB	Pass	360 Degree	1 m
2	289.472 MHz	38.05 dBµV/m	46.02 dBµV/m	-7.97 dB	Pass	360 Degree	1 m
3	294.38 MHz	37.56 dBµV/m	46.02 dBµV/m	-8.46 dB	Pass	360 Degree	1 m
4	767.99 MHz	36.94 dBµV/m	46.02 dBµV/m	-9.08 dB	Pass	360 Degree	1 m
5	799.982 MHz	35.03 dBµV/m	46.02 dBµV/m	-10.99 dB	Pass	360 Degree	1 m
6	285.44 MHz	37.1 dBµV/m	46.02 dBµV/m	-8.92 dB	Pass	360 Degree	1 m

Test Report No.: G0M-1607-5773-EF0115B-V01

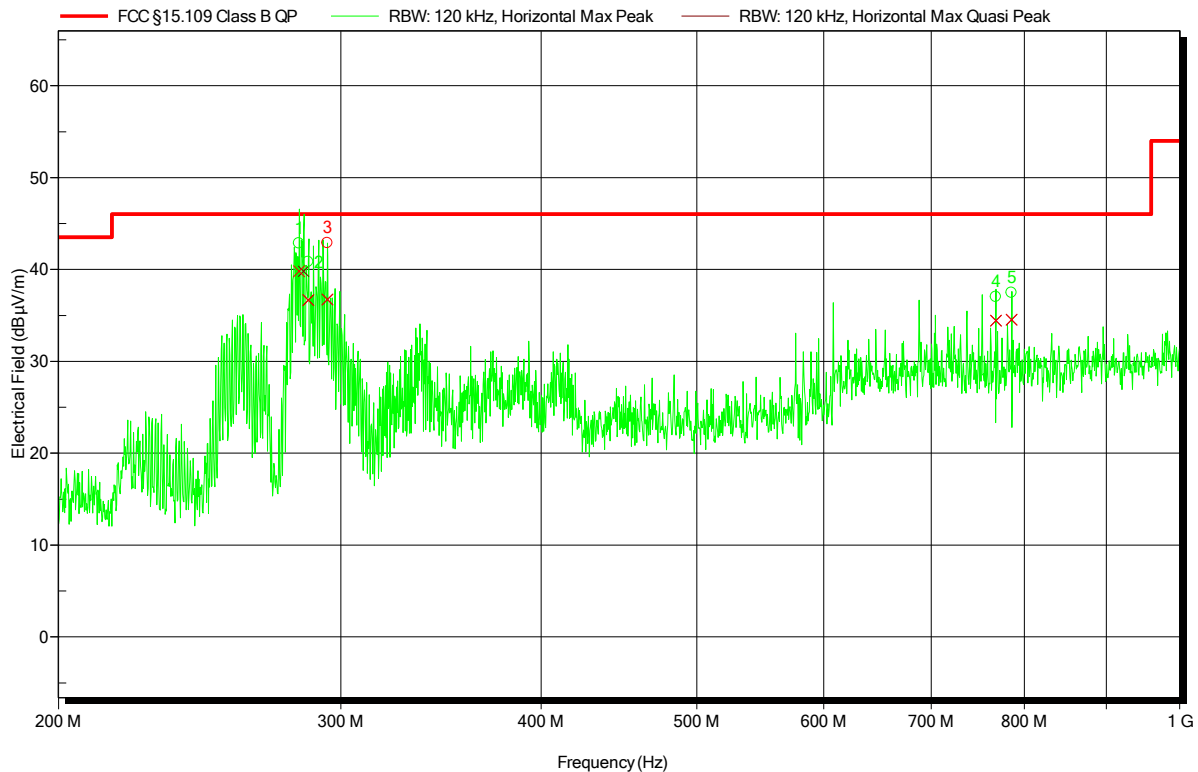
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
 EUT Name: smart tracking / data logging device
 Model: FOX3-4G-NA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3m
 Mode: GSM; GPS u. RS232 active,
 Test Date: 2016-10-12
 Note: PASS
 T135A110

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Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	282.58 MHz	39.82 dBμV/m	46.02 dBμV/m	-6.2 dB	Pass	135 Degree	1.1 m
2	286.4 MHz	36.65 dBμV/m	46.02 dBμV/m	-9.37 dB	Pass	135 Degree	1.1 m
3	294.375 MHz	36.73 dBμV/m	46.02 dBμV/m	-9.29 dB	Pass	135 Degree	1.1 m
4	767.99 MHz	34.44 dBμV/m	46.02 dBμV/m	-11.58 dB	Pass	135 Degree	1.1 m
5	785.702 MHz	34.53 dBμV/m	46.02 dBμV/m	-11.49 dB	Pass	135 Degree	1.1 m

Test Report No.: G0M-1607-5773-EF0115B-V01

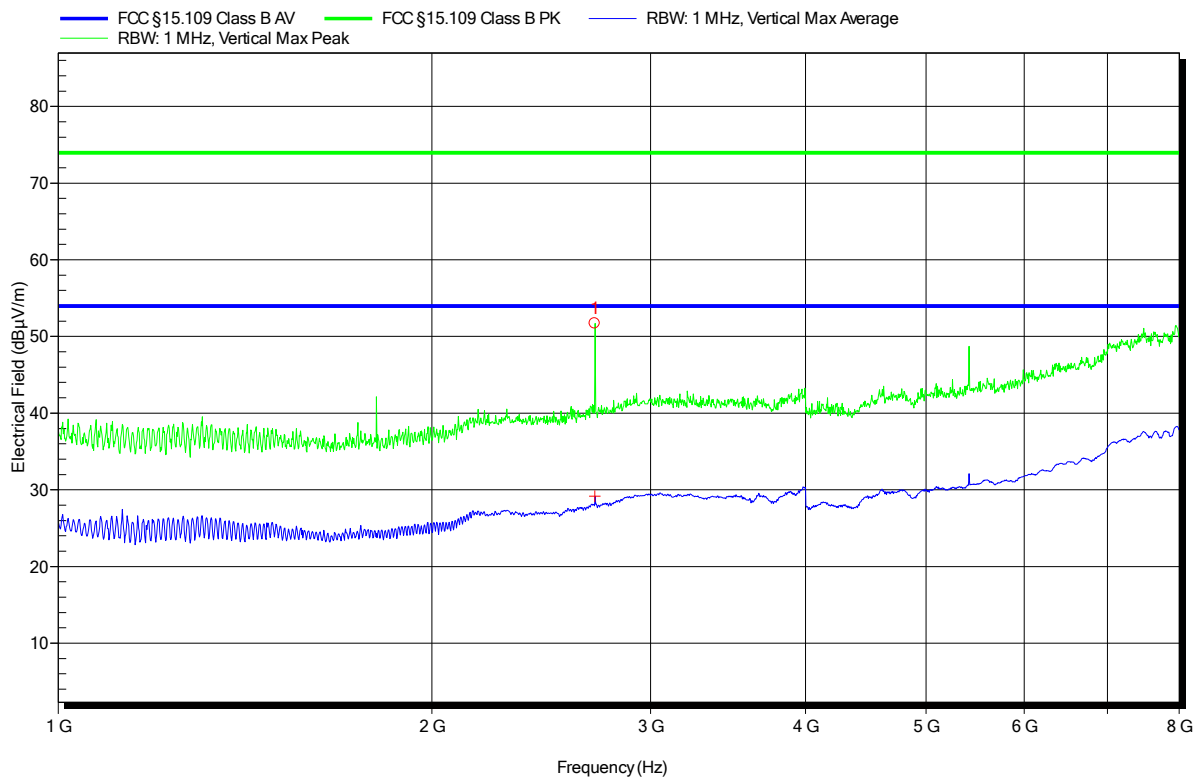
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
 EUT Name: smart tracking / data logging device
 Model: FOX3-4G-NA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3m
 Mode: GSM; GPS u. RS232 active,
 Test Date: 2016-10-12
 Note: Peak 1 = GSM Harm.

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Peak Number	Frequency	Peak	Angle	Height
1	2.707 GHz	51.7 dBμV/m	180 Degree	1 m

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	Angle	Height
1	2.707 GHz	29.17 dBμV/m	53.98 dBμV/m	-24.81 dB	Pass	180 Degree	1 m

Test Report No.: G0M-1607-5773-EF0115B-V01

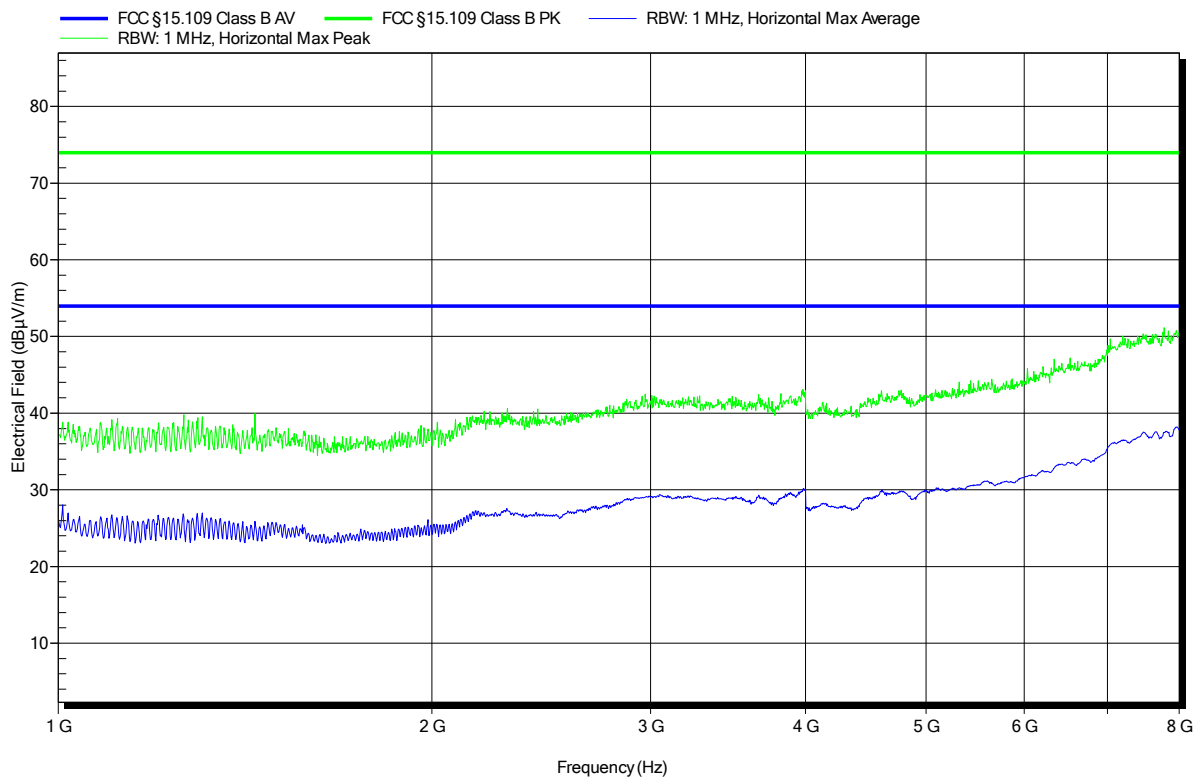
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
 EUT Name: smart tracking / data logging device
 Model: FOX3-4G-NA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3m
 Mode: GSM; GPS u. RS232 active,
 Test Date: 2016-10-12
 Note:

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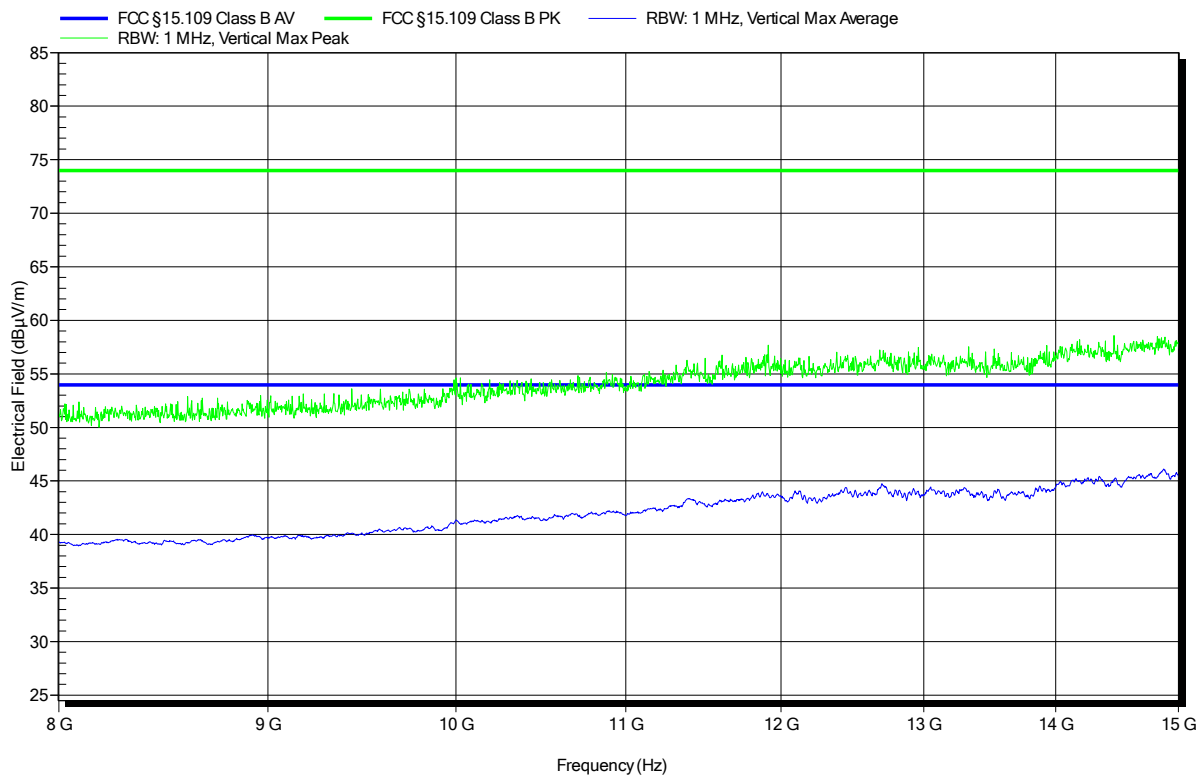


Radiated emissions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant:	FALCOM GmbH
EUT Name:	smart tracking / data logging device
Model:	FOX3-4G-NA
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Belz
Test Conditions:	Tnom: 22°C, Unom: 12 VDC vehicular use
Antenna:	ETS-Lindgren 3117, Vertical
Measurement distance:	3 m
Mode:	GSM; GPS u. RS232 active,
Test Date:	2016-10-24
Note:	

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Radiated emissions according to FCC Part 15b

Project number: G0M-1607-5773

Applicant: FALCOM GmbH
 EUT Name: smart tracking / data logging device
 Model: FOX3-4G-NA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Belz
 Test Conditions: Tnom: 22°C, Unom: 12 VDC vehicular use
 Antenna: ETS-Lindgren 3117, Horizontal
 Measurement distance: 3 m
 Mode: GSM; GPS u. RS232 active,
 Test Date: 2016-10-24
 Note:

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