



EUROFINS ETS PRODUCT SERVICE GMBH

TEST - REPORT

**FCC RULES PART 15 / SUBPART B
IC RSS-GEN ISSUE 2**

FCC ID: SGH1409G

Test report no.:

G0M20807-1919-E-18



Certificate #1983.01



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

Phone +49-33631-888 00
Fax +49-33631-888 660

TABLE OF CONTENTS

1	General Information	2
1.1	Notes	2
1.2	Tester	4
1.3	Testing laboratory	5
1.3.1	Location	5
1.3.2	Details of accreditation status	5
1.3.3	Test location, where different	5
1.4	Details of applicant	6
1.5	Application details	6
1.6	Test item	6
1.6.1	Description of test item	6
1.6.2	Manufacturer (if different from applicant in point 1.4)	7
1.6.3	Frequency behavior	7
1.7	Test standards	7
2	Technical test	8
2.1	Summary of test results	8
2.2	Test environment	8
2.3	Test equipment utilized	9
2.4	Test results	10
2.4.1	Conducted Emission	11
2.4.2	Spurious Emission	12
2.5	Test protocols	13
3	Normative references	17
Annex A	Pictures	11 pages
Annex B	Diagrams radiated and conducted emission	12 pages
Annex C	Diagrams Receiver radiated emission	10 pages

1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The tests were carried out and passed in accordance to the standards:

FCC part 15 : August 2006
IC RSS-Gen Issue 2

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification (only telecommunication products).

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.6.

The test report may only be reproduced or published in full.

Reproduction or publication of extracts from the report requires the prior written approval of the Eurofins ETS Product Service GmbH.

Important Notes:

Proper labeling is required for each device. Devices shall be labeled in accordance with labeling requirements pursuant to section 15.19 and section 2.1074 of the FCC rules.

Devices subject to a Declaration of Conformity shall be uniquely identified by the responsible party.

This identification shall not be of a format which could be confused with the FCC Identifier required on certified, notified type accepted or type approved equipment.

The responsible party shall maintain adequate identification records to facilitate positive identification for each device.

The user manual or instruction manual shall included also a warning statement that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Reference Section 15.21

Furthermore information to the user regarding to the interference potential of the device and about simple measures that can be taken to correct interference is required.

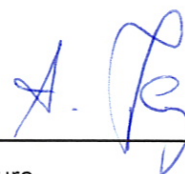
Reference Section 15.105

The responsible party must warrant that each unit of equipment marketed under a Declaration of Conformity is identical to the unit tested and found acceptable with the standards and that the records maintained by the responsible party continue to reflect the equipment being produced under the Declaration of Conformity within the variation that can be expected due to quantity production and testing on a statistical basis.

1.2 Operator

27.08.2008

A. Pflug



Date

Eurofins-Lab.

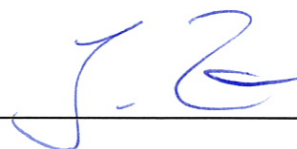
Name

Signature

Technical responsibility for area of testing:

27.08.2008

J. Zimmermann



Date

Eurofins

Name

Signature

1.3 Testing laboratory

1.3.1 Location

EUROFINS ETS PRODUCT SERVICE GMBH
STORKOWER STR. 38c
D- 15526 REICHENWALDE B. BERLIN
GERMANY
Telephone: + 49 33631 888-00
Telefax: + 49 33631 888-660

1.3.2 Details of accreditation status

DAR ACCREDITED TESTING LABORATORY

DAR-REGISTRATION NUMBER: DAT-P-268/08

RECOGNIZED NOTIFIED BODY EMC

REGISTRATION NUMBER: BNetzA-bS EMV-07/61

RECOGNIZED NOTIFIED BODY R&TTE

REGISTRATION NUMBER: BNetzA-bS-02/51-53

FCC FILED TEST LABORATORY

REG.-No. 96970

A2LA ACCREDITED TESTING LABORATORY

CERTIFICATE No. 1983.01

BLUETOOTH QUALIFICATION TEST FACILITY (BQTF)

ACCREDITED BY BLUETOOTH QUALIFICATION REVIEW BOARD

INDUSTRY CANADA FILED TEST LABORATORY

REG. No. IC 3470

1.3.3 Test location, where different

Name	: ./.
Street	: ./.
Town	: ./.
Country	: ./.
Telephone	: ./.
Fax	: ./.
Teletex	: ./.

1.4 Details of applicant

Name : LinTech GmbH
Street : Friedrich-Engels-Straße 35
Town : 13156 Berlin
Country : Germany
Telephone : +49.3054947261
Fax : +49 30 54 94 72 44

Contact : Frau Susanne Meinel
E-mail : sam@lintech.de

1.5 Application details

Date of receipt of application : 30.07.2008
Date of receipt of test item : 30.07.2008
Date of test : 31.07.2008 – 14.08.2008

1.6 Test item

1.6.1 Description of test item

Type of product : Bluetooth serial port adaptor
Type identification : 1409_G
Serial number : without
Photos : Please find in Appendix.
Power supply : 3.7V DC; 120 V AC/DC Adapter

1.6.2 Manufacturer (if different from applicant in point 1.4)

Name : LinTech GmbH
Street : Friedrich-Engels-Straße 35
Town : 13156 Berlin
Country : Germany

Contact : Frau Susanne Meinel
Phone : +49.3054947261

1.6.3 Frequency behavior

Highest clock Frequency	< 200 MHz
-------------------------	-----------

1.7 Test standards

FCC part 15:
IC RSS-Gen issue 2:

August 2006
June 2007

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.



or

The deviations as specified in 2.4 were ascertained in the course of the tests performed.



2.2 Test environment

Temperature : 18 ... 25 °C

Relative humidity content : 20 ... 75 %

Air pressure : 860 ... 1030 hPa

Details of power supply : 3.7 V DC; 120 V AC/DC Adapter

Other parameters : ./.

2.3 Test equipment utilized

No.	Test equipment	Type	Manufacturer
ETS 0012	Biconical Antenna	HK 116	R & S
ETS 0013	LPD Antenna	HL 223	R & S
ETS 0014	Log Periodical Antenna	HL 025	R & S
ETS 0038	RF amplifier	150L	Amplifier Research
ETS 0032	Controller	HD 050	Heinrich Deisel
ETS 0039	Absorbing clamp	MDS 21	R & S
ETS 0040	Artificial Mains Network	ESH3-Z5	R & S
ETS 0041	T-Artificial Mains Network	ESH3-Z4	R & S
ETS 0042	Artificial Mains	ESH3-Z6	R & S
ETS 0045	Vehicle LISN	NNBM 8126D	Schwarzbeck
ETS 0052	Audio analyzer	UPA 4	R & S
ETS 0056	Ultra Compact Simulator	UCS 500 M4	EM Test
ETS 0057	Motor Variac	MV 2616	EM Test
ETS 0058	Capacitive coupling clamp	E 502 B	Keytek/ EMC
ETS 0059	Kikusui amplifier	PCR 2000L	Keytek/ EMC
ETS 0064	CDN IEC 61000-4-6		Keytek/ EMC
ETS 0066	EM Injection Clamp		FCC/ EMC
ETS 0071	Video camera system	KMB012	Kocom
ETS 0072	Interphone system	JS-1400	Jiuh Sheng
ETS 0076	Feeding bridge A	SBA 1000	ESP
ETS 0085	Shielded room	SR 1	Frankonia
ETS 0086	Semi-Anechoic chamber	AC 1	Frankonia
ETS 0088	Color TV pattern Generator	PM 5518-TX VPS	Philips
ETS 0092	Power Amplifier	150W1000	AR Amplifier Research
ETS 0102	CDN	M3-801/6	MEB
ETS 0103	Magnetic field test set	MF1000	EMC-Partner
ETS 0148	RF Current Probe	F-65	FCC
ETS 0155	Signal Generator	SMG	R & S
ETS 0157	TV and Sat-Signalgenerator	VTG 700	Grundig
ETS 0178	Open area test side	10m	ETS
ETS 0233	Direction coupler	RK 100	MEB
ETS 0276	Audio Analyzer	UPL 16	R & S
ETS 0282	RF bridge 75 Ohm	86207 A	HP
ETS 0287	EMI Test receiver	ESHS10	R & S
ETS 0288	Artificial mains	ESH2-Z5	R & S
ETS 0292	RF Generator	SMHU	R & S
ETS 0294	Biconical antenna	HK 116	R & S
ETS 0295	LPD antenna	HL 223	R & S
ETS 0300	RF amplifier	75 A 250	Ar
ETS 0310	Anechoic chamber	AC 3	Frankonia
ETS 0348	RF Millivolt meter	URV 55	R & S
ETS 0401	MPEG2 Generator	DVG	R & S
ETS 0402	TV Messenger	SFQ	R & S
ETS 0409	Stripline	DC220	Schwarzbeck
ETS 0416	Power Supply	EX752M	TTi
ETS 0428	4-WIRE ISN with B1	ENY41	R & S
ETS 0448	RF Power Amplifier	AR 60S1G3	AR Amplifier Research
ETS 0472	Antenna	BTA-H	Frankonia
ETS 0474	EMI Test Receiver	ESCS 30	R&S
ETS 0476	EMI Test Receiver	ESCS 30	R&S
ETS 0484	Radio Communication Tester	CMU 200	R&S

2.4 Test results

☒ 1st test

☐ test after modification

☐ production test

Test Emission / Immunity			Done	Test passed	Test failed
<i>Transmitter Parameter</i>					
Conducted Emission	FCC part 15.107	RSS-Gen 7.2.2	☒	☒	☐
Radiated Emission	FCC part 15.109	RSS-Gen 7.2.3	☒	☒	☐
<i>Receiver Parameter</i>					
Radiated emissions	15.107	Gen 7.2.3	☒	☒	☐

2.4.1 Conducted Emission

2.4.1.1 Test Equipment

- a) Artificial mains (ESH3-Z5)
For your reference please find it in our test equipment list at page 10 to 19 as number: **40**.
- b) Artificial mains (ESH3-Z4)
For your reference please find it in our test equipment list at page 10 to 19 as number: **41**.
- c) EMI test receiver ESCS-30
For your reference please find it in our test equipment list at page 10 to 19 as number: **474**.
- d) Monitoring System
For your reference please find it in our test equipment list at page 10 to 19 as number: **71**.
- e) Inter phone System
For your reference please find it in our test equipment list at page 10 to 19 as number: **72**.
- f) Shielded room
For your reference please find it in our test equipment list at page 10 to 19 as number: **85**.

2.4.1.2 Test Procedures

- Test configuration

The test configuration is contained inside of a shielded chamber and corresponds to the standard ANSI C.63.4: 2003. The equipment under test is placed in the facility on a wooden table 0.8m high. The equipment under test is connected with the artificial mains network (AMN) in a distance of 0,8m and also 0,8m from other subassembly and metallic area. The measurement receiver is placed in a special room adjacent to the chamber. The observation of the equipment under test is realized by 3 video cameras and by a microphone.

- **Test parameters and marginal conditions**

The tests are carried out with nominal impedance by $50\ \Omega$ / $50\ \mu\text{H}$ of the AMN in a frequency range 150 kHz to 30 MHz. This measurement was transacted first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector,
Further information please find in test report.

2.4.2 Spurious Emission

2.4.2.1 Test Equipment

- a) Antenna (HK116)
For your reference please find it in our test equipment list at page 10 to 19 as number: **12.**
- b) Antenna (HL223)
For your reference please find it in our test equipment list at page 10 to 19 as number: **13.**
- c) Video camera system
For your reference please find it in our test equipment list at page 10 to 19 as number: **71.**
- d) Interphone System
For your reference please find it in our test equipment list at page 10 to 19 as number: **72.**
- e) Semi anechoic chamber
For your reference please find it in our test equipment list at page 10 to 19 as number: **86.**
- g) EMI test receiver ESCS-30
For your reference please find it in our test equipment list at page 10 to 19 as number: **476.**

2.4.2.2 Test Procedures

- Test configuration

The test configuration corresponds to the standard ANSI C 63.4: 2003. The equipment under test is placed on a non metallic table with 0,8 m height. The power supply and the RF connection points are close to the equipment under test at the floor inside a connection box. The cables to this connection box are shielded and below the double floor. The receiving antenna is placed in a height at 1,0 to 4,0 m, in a distance of 10 m. The measurement receiver is placed in a special room. The observation of the equipment under test is realized by 3 video cameras and by a microphone.

- **Test parameters and marginal conditions**

The test are carried out with horizontal and vertical polarization of the antenna in a frequency range of 30 MHz to 5 000 MHz. Further information please find in the test protocol.

2.5 Test protocols

Conducted Emission

Emission

Standard : FCC part 15.107; RSS-Gen 7.2.2

Reg.-no. : G0M20807-1919-E-18

Device : 1409_G

Date : 27.08.2008

Class : B

Frequency Range	Limit dB μ V		Passed	Failed	Number of rechecks
	Quasi-peak	Average			
150 kHz - 500 kHz AC	66 to 56*	56 to 46*	☒	☐	0
500 kHz - 5 MHz AC	56	46	☒	☐	0
5 MHz - 30 MHz AC	60	50	☒	☐	0

* Decreases with logarithm of the frequency

Uncertainty: $U_{\text{lab(cond)}} = 2,52 \text{ dB}$

Comment: See measurement diagrams in Annex B.

Radio Noise Field Strength

Emission

Standard : FCC part 15.109; RSS-Gen 7.2.3

Reg.-no. : G0M20807-1919-E-18

Device : 1409_G

Date : 27.08.2008

Class : B

Frequency Range Polarization	Limit $\mu\text{V/m}$	Passed	Failed	Number of rechecks
30 MHz - 88 MHz	100	☒	☐	0
88 MHz - 216 MHz	150	☒	☐	0
216 MHz - 960 MHz	200	☒	☐	0
above 960 MHz -	500	☒	☐	0

Uncertainty: $U_{\text{lab(rad)}} = 4,54 \text{ dB}$

Comment: Above 1 GHz no relevant disturbances. See measurement diagrams in Annex B

Receiver parameters

Radiated emissions

Reference

FCC	Part 15.109
IC	RSS-Gen 7.2.3

Method of measurement

The compliance of the EUT Receiver with the Limits of spurious emissions was performed according to the radiated measurement method.

The spectrum analyzer RBW was set to 100 kHz for measurements below 100 kHz and 1.0 MHz above 1.0 GHz. The measurement results are evaluated according to the procedure described in section 2.4 of this test report.

Limits

	Spurious frequency	Field strength
	MHz	microvolt/m at 3 meter
FCC & IC	30 - 88	100
	88 - 216	150
	216 - 960	200
	above 960	500

Test Results

Device Frequency 850 MHz	Frequency marker indication [MHz]	Antenna polarization	Worst case emission level [μV/m]	Compliance limit [μV/m]	Results [μV/m]
	187,395	H	47,59	150	-102,41
	183,988	V	60,39	150	-89,61
	648,898	H	94,08	200	-105,92
	648,898	V	101,86	200	-98,14
	1812,000	H	185,99	500	-314,01
	1812,000	V	284,45	500	-215,55
	7800,000	H	282,49	500	-217,51
	7960,000	V	287,41	500	-212,59
	10966,000	H	121,76	500	-378,24
	11206,000	V	139,80	500	-360,20

Comment: See measurement diagrams in Annex C

Test equipment: ETS 0014, ETS 0294, ETS 0295, ETS 0310, ETS 0416, ETS 0484

2.6 Equipment Modification

No modifications were installed by Eurofins ETS Product Service GmbH.

3 Normative references

- /1/ FCC part 15: August 2006
Radio Frequency Devices
- /2/ CISPR 22: 1997 + Corrigendum: +A1: 2000 + A2: 2003
Limits and Methods of Measurement of Radio Interference Characteristics of
Information
Technology Equipment
- /3/ ANSI C 63.4: 2003
American National Standard for Methods of Measurement of Radio-Noise Emission
from
Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
- /4/ IC RSS-Gen Issue 2 June 2007
General Requirements and Information for the Certification of Radio communication
Equipment

Annex A

Pictures

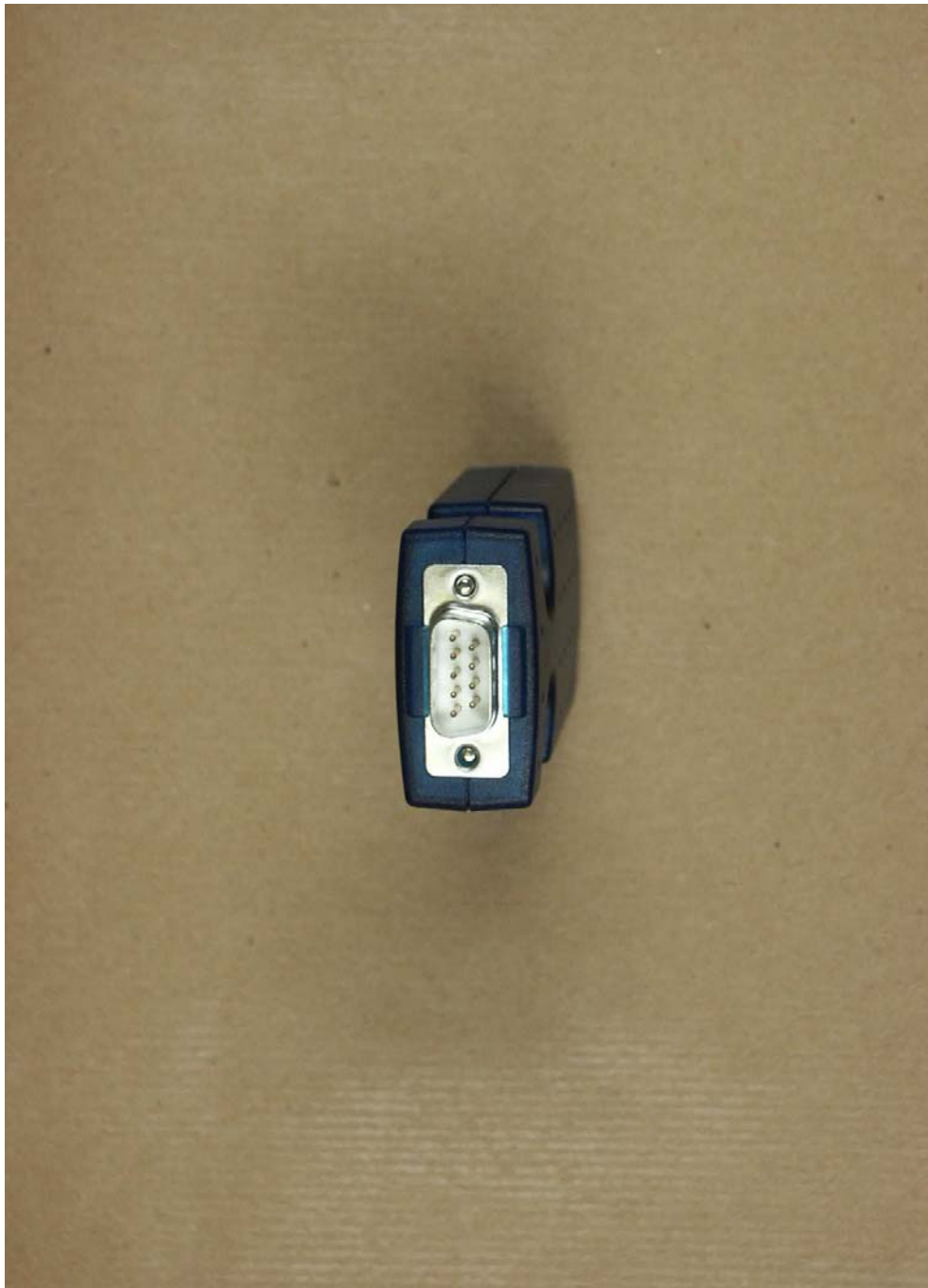




Test Report No.: G0M20807-1919-E-18

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

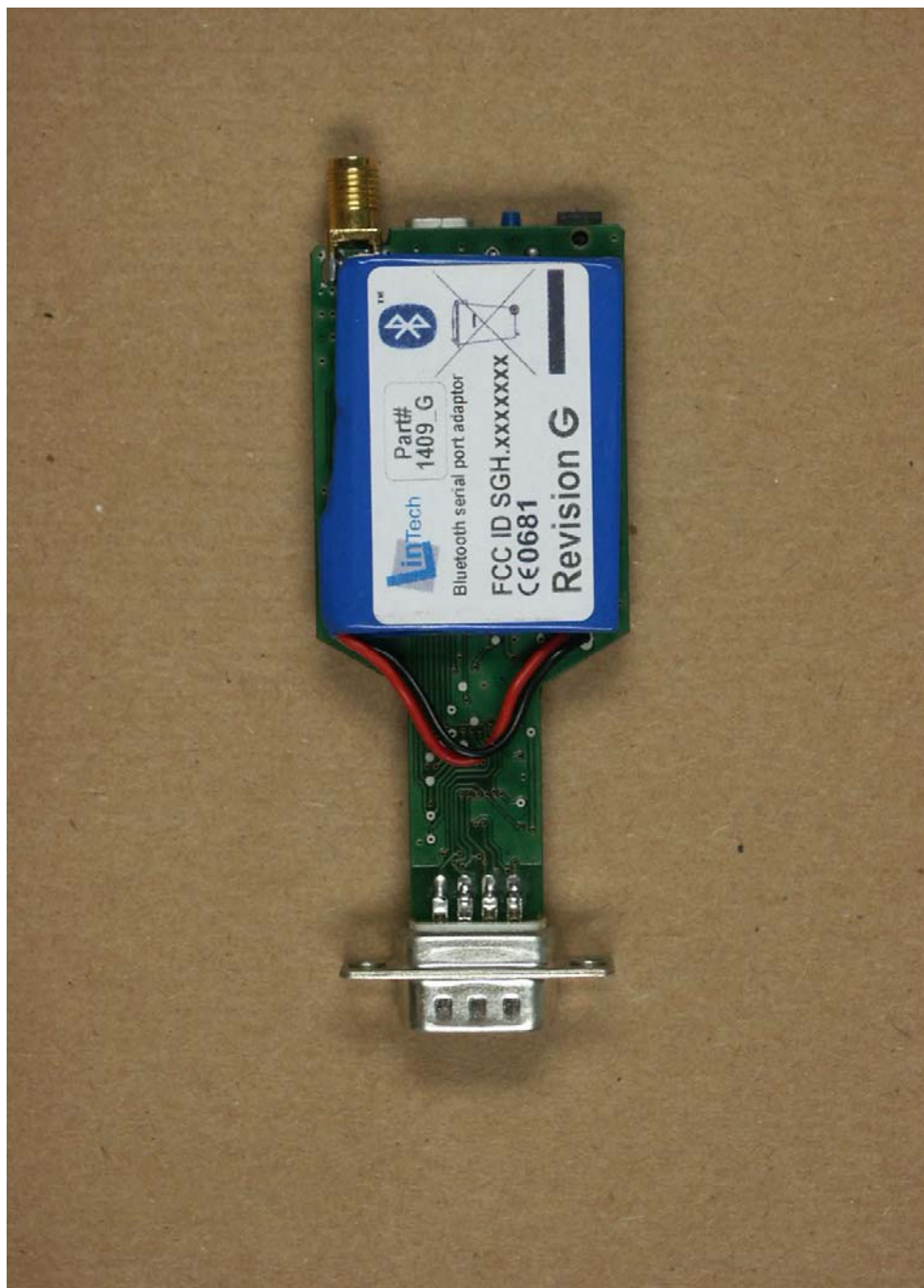


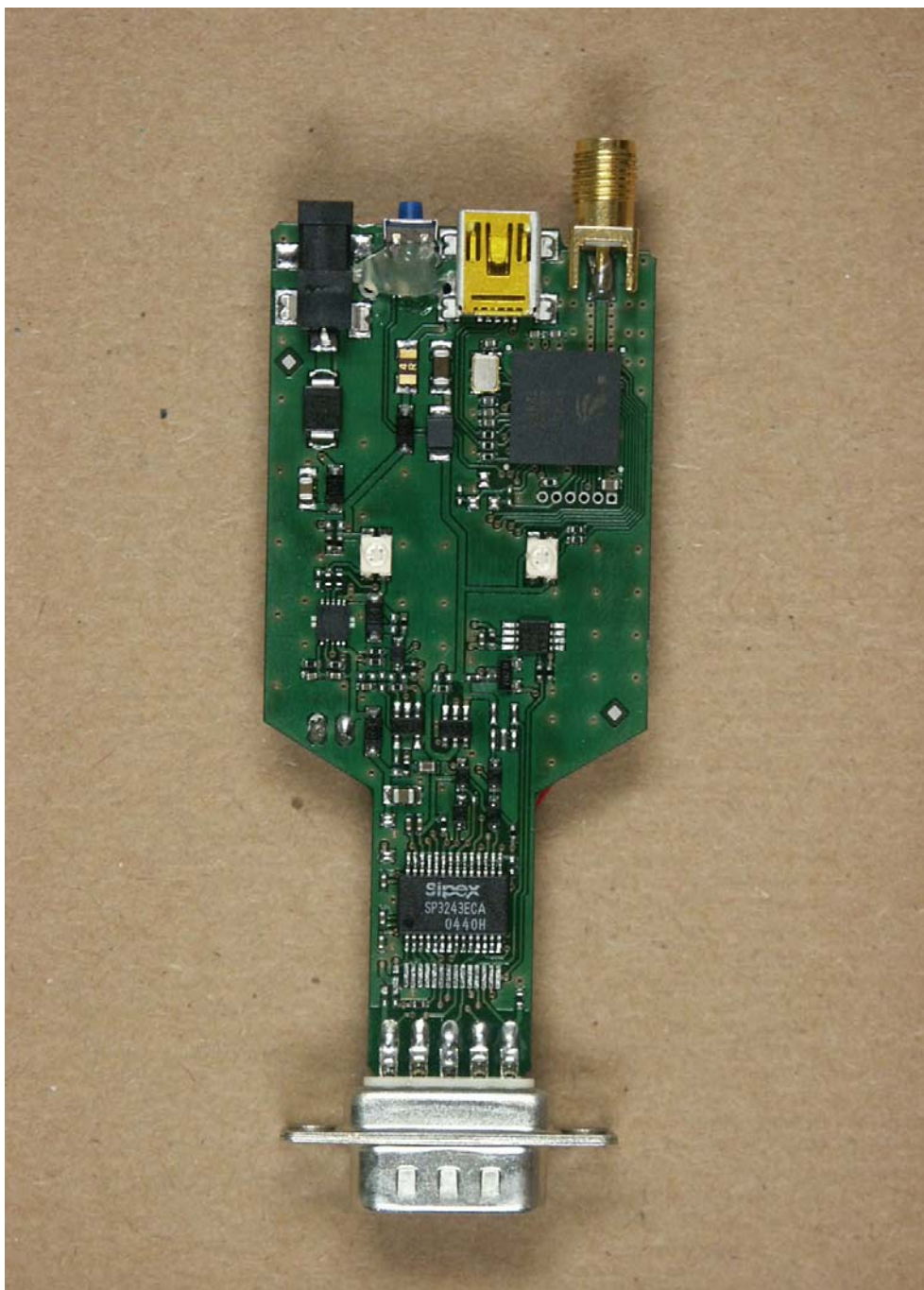


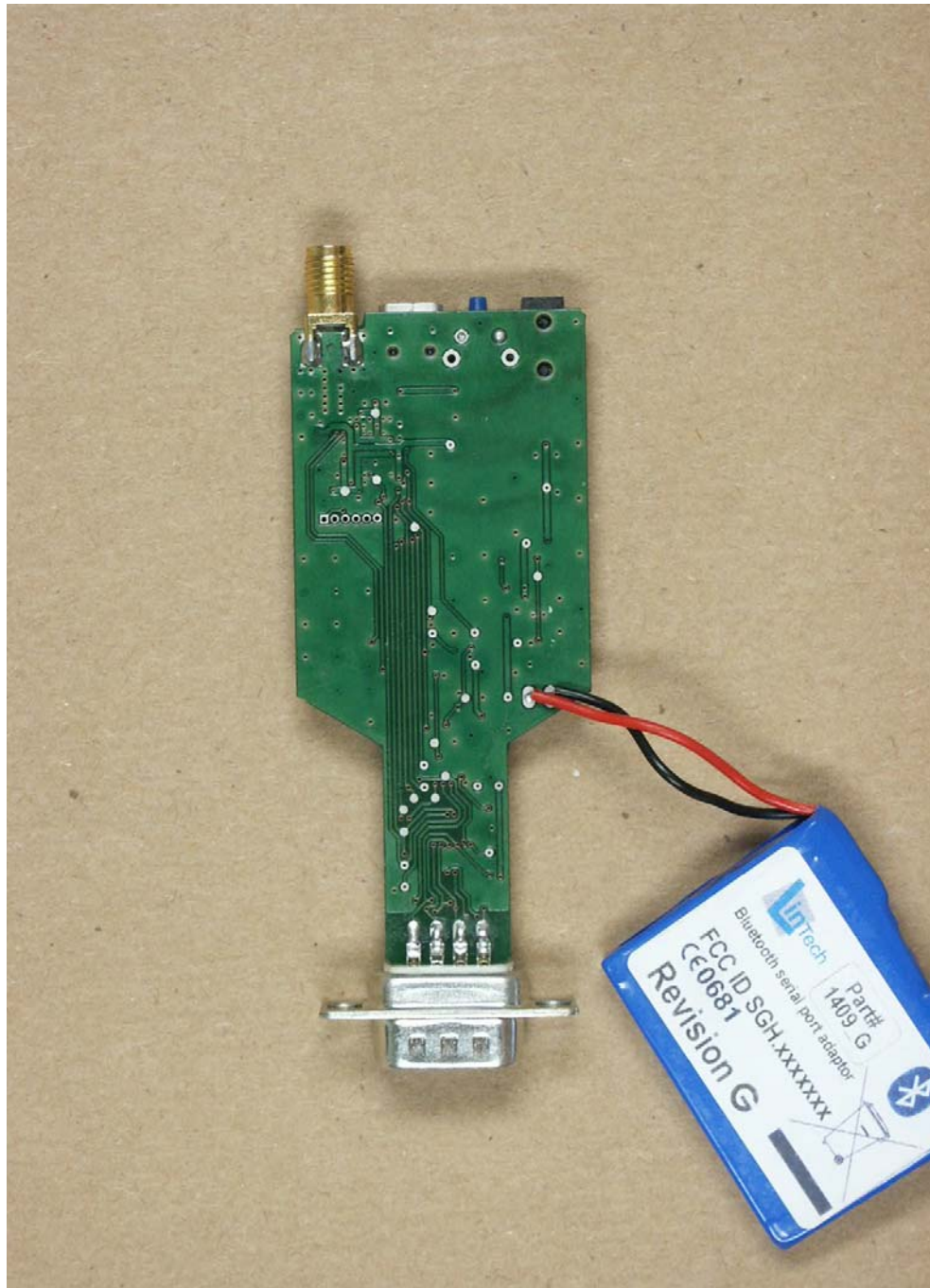
Test Report No.: G0M20807-1919-E-18

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

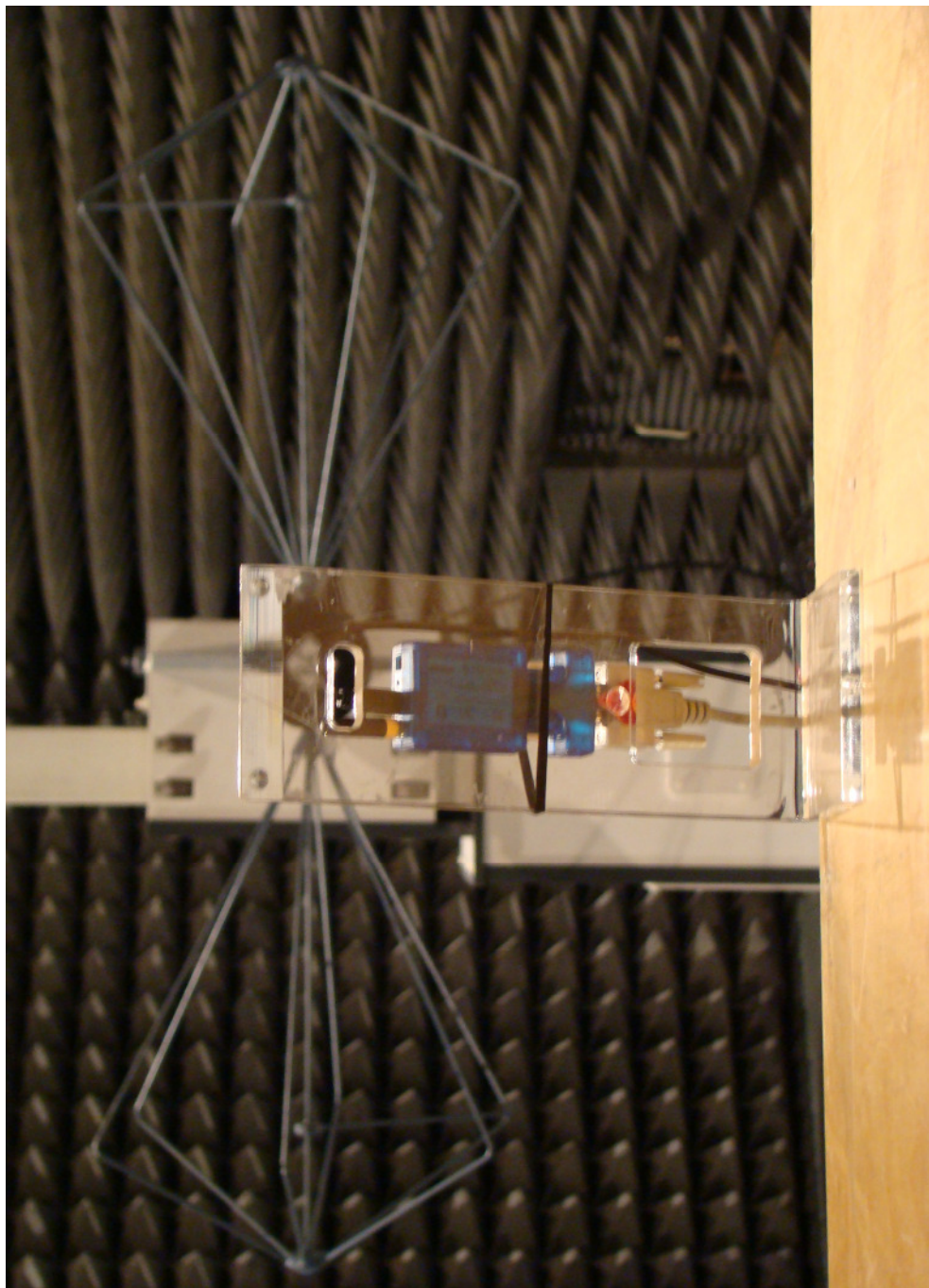












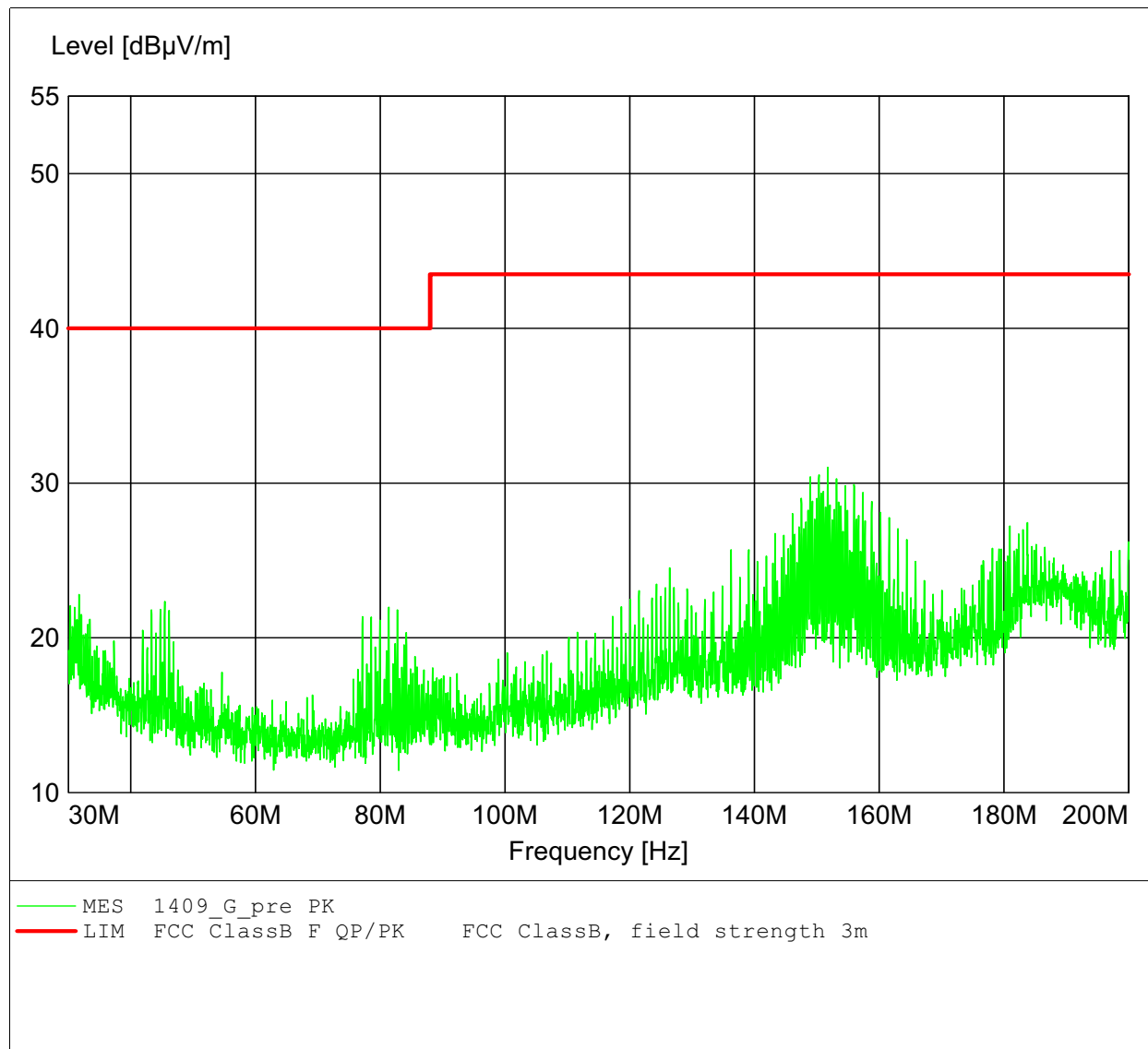


Annex B

Measurement diagrams radiated and conducted emission

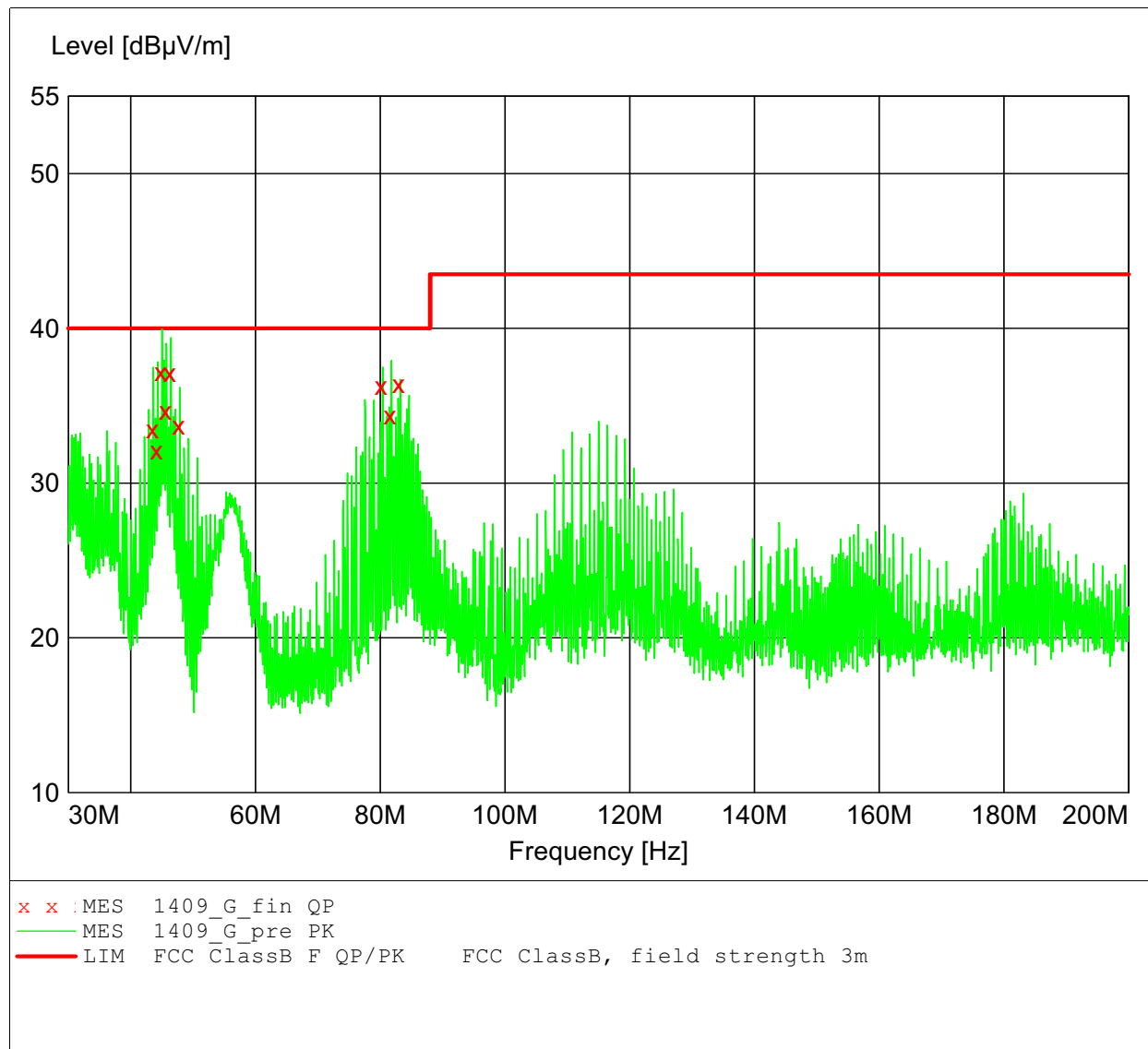
**Spurious emission under normal conditions according
to FCC part 15** **Ordernumber: GOM2807-1919**

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: 120 VAC (AC/DC-adaptor)
Test Specification: Ant: HK 116, horizontal
Comment 1: mode: charging + bluetooth
Comment 2: mode: PS -ASMANN- APS 1612T-



**Spurious emission under normal conditions according
to FCC part 15** **Ordernumber: GOM2807-1919**

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: 120 VAC (AC/DC-adapter)
Test Specification: Ant: HK 116, vertical
Comment 1: mode: charging + bluetooth
Comment 2: mode: PS -ASMANN- APS 1612T-



**Spurious emission under normal conditions according
to FCC part 15** **Ordernumber: GOM2807-1919**

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: 120 VAC (AC/DC-adapter)
Test Specification: Ant: HK 116, vertical
Comment 1: mode: charging + bluetooth
Comment 2: mode: PS -ASMANN- APS 1612T-

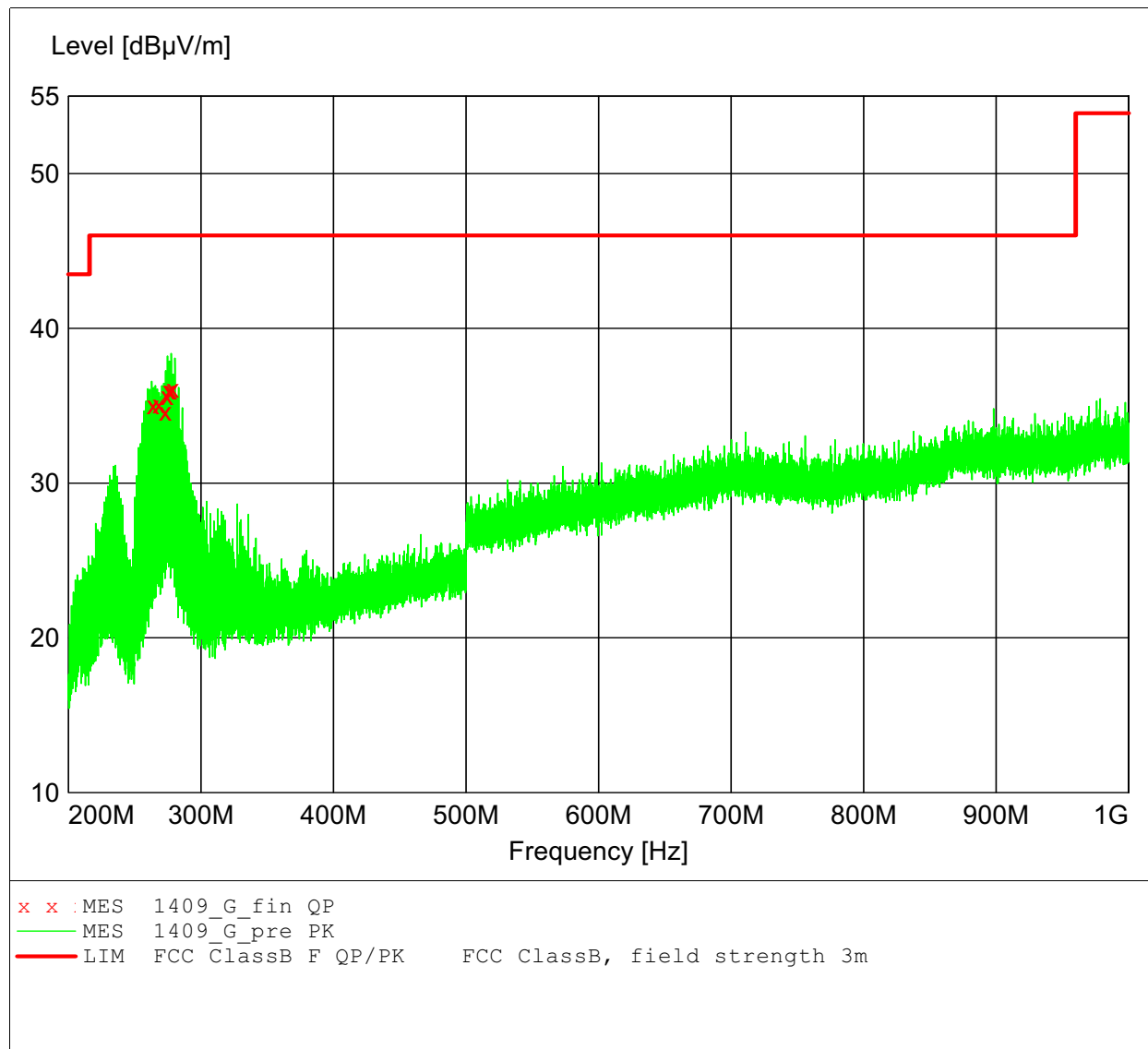
MEASUREMENT RESULT: "1409_G_fin QP"

01.08.2008 16:39

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
43.450000	33.50	14.2	40.0	6.5	0.0	0.00	---
44.150000	32.10	14.1	40.0	7.9	0.0	0.00	---
44.850000	37.20	13.9	40.0	2.2	0.0	0.00	---
45.550000	34.70	13.8	40.0	5.3	0.0	0.00	---
46.250000	37.10	13.7	40.0	2.3	0.0	0.00	---
47.650000	33.70	13.6	40.0	6.3	0.0	0.00	---
80.100000	36.30	12.4	40.0	3.7	0.0	0.00	---
81.550000	34.40	12.4	40.0	5.6	0.0	0.00	---
82.950000	36.40	12.4	40.0	3.6	0.0	0.00	---

**Spurious emission under normal conditions according
to FCC part 15** **Ordernumber: GOM2807-1919**

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: 120 VAC (AC/DC-adapter)
Test Specification: Ant: HL 223, horizontal
Comment 1: mode: charging + bluetooth
Comment 2: mode: PS -ASMANN- APS 1612T-



**Spurious emission under normal conditions according
to FCC part 15** **Ordernumber: GOM2807-1919**

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: 120 VAC (AC/DC-adapter)
Test Specification: Ant: HL 223, horizontal
Comment 1: mode: charging + bluetooth
Comment 2: mode: PS -ASMANN- APS 1612T-

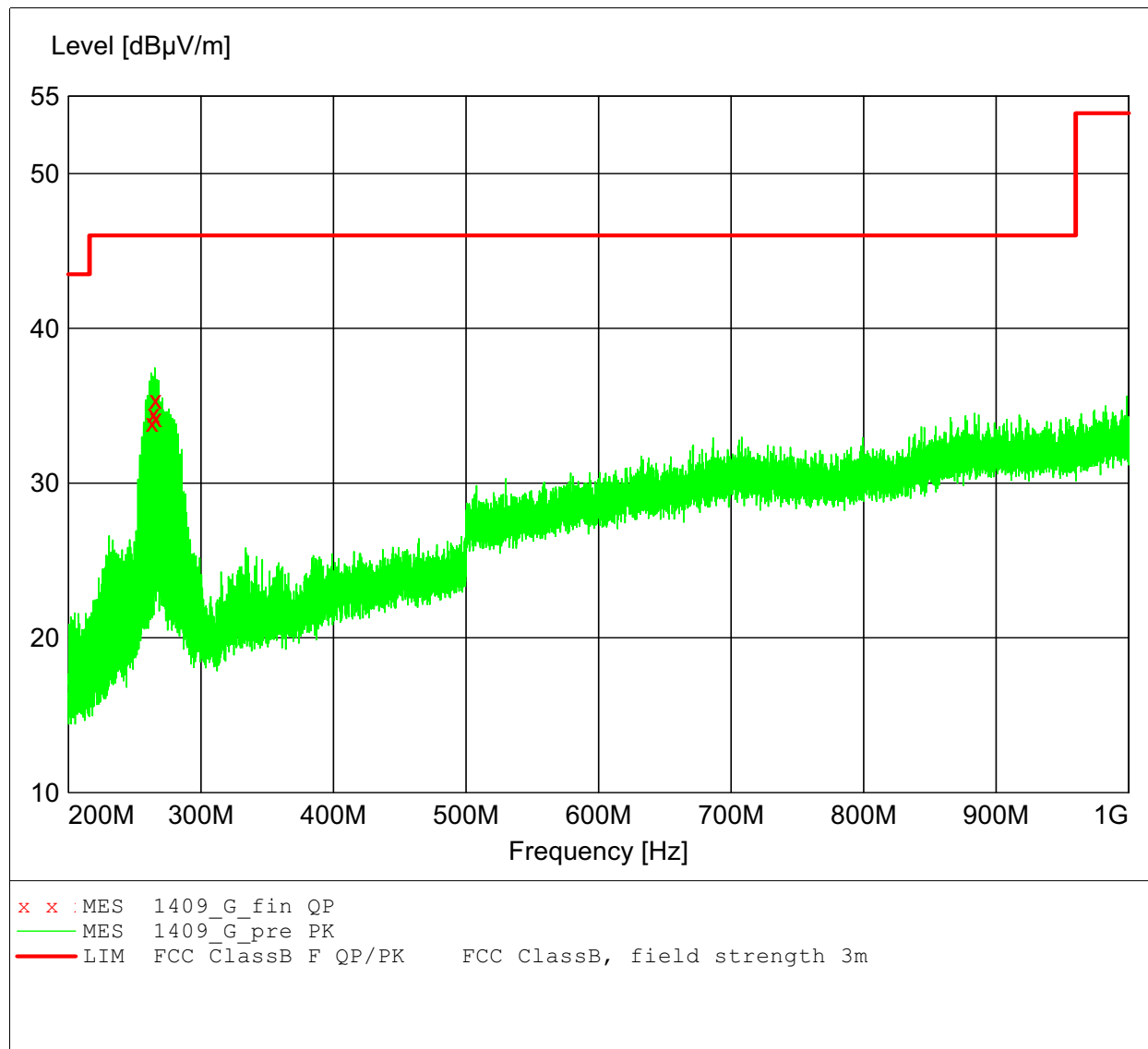
MEASUREMENT RESULT: "1409_G_fin QP"

01.08.2008 16:15

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
264.050000	35.00	16.6	46.0	11.0	0.0	0.00	---
268.250000	35.10	16.8	46.0	10.9	0.0	0.00	---
273.200000	34.60	16.9	46.0	11.4	0.0	0.00	---
274.600000	35.60	17.0	46.0	10.4	0.0	0.00	---
276.000000	36.00	17.0	46.0	10.0	0.0	0.00	---
277.400000	36.00	17.0	46.0	10.0	0.0	0.00	---
278.800000	36.10	17.1	46.0	9.9	0.0	0.00	---

**Spurious emission under normal conditions according
to FCC part 15** **Ordernumber: GOM2807-1919**

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: 120 VAC (AC/DC-adapter)
Test Specification: Ant: HL 223, vertical
Comment 1: mode: charging + bluetooth
Comment 2: mode: PS -ASMANN- APS 1612T-



**Spurious emission under normal conditions according
to FCC part 15**

Ordernumber: GOM2807-1919

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: 120 VAC (AC/DC-adaptor)
Test Specification: Ant: HL 223, vertical
Comment 1: mode: charging + bluetooth
Comment 2: mode: PS -ASMANN- APS 1612T-

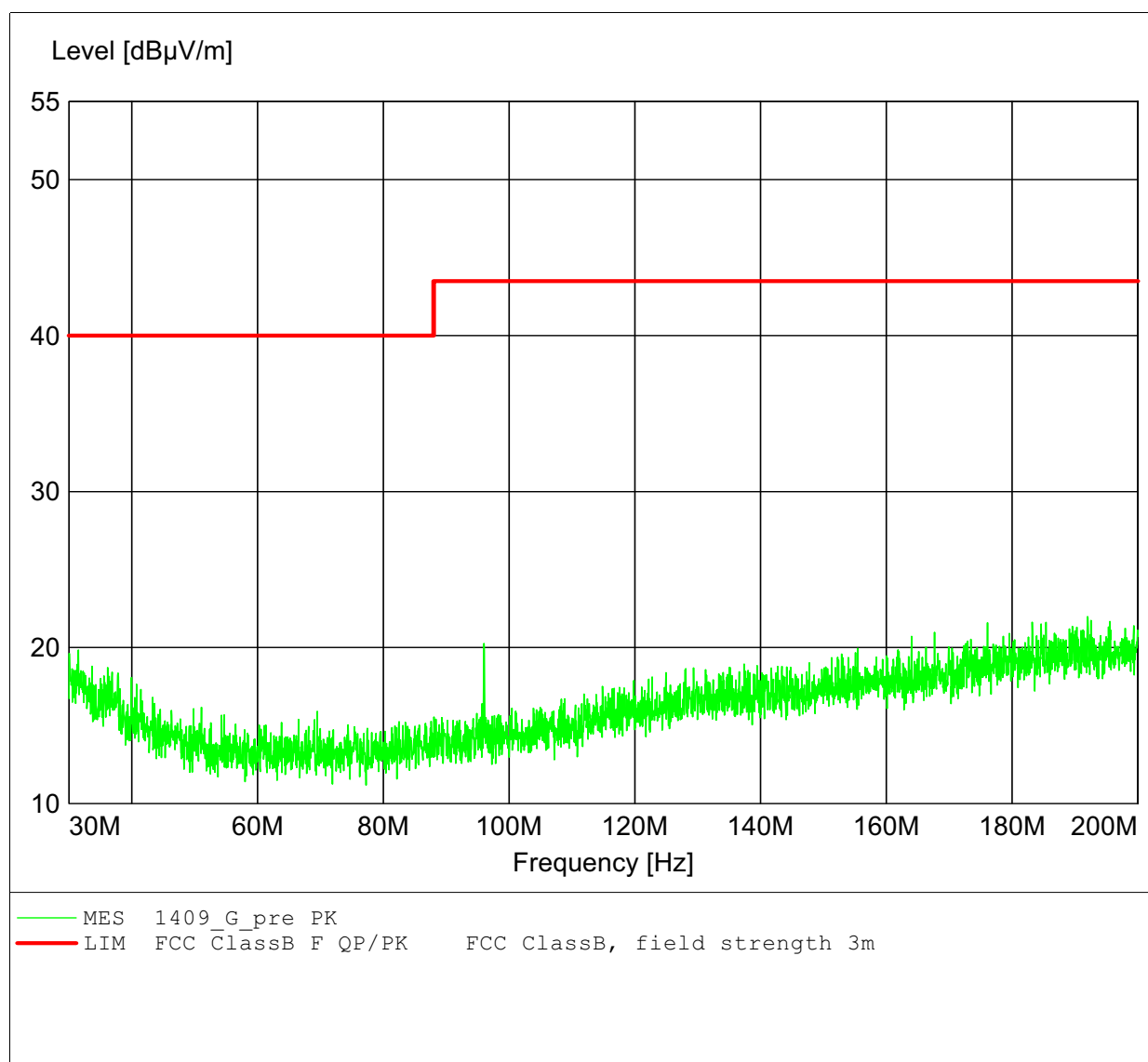
MEASUREMENT RESULT: "1409_G_fin QP"

01.08.2008 16:03

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
263.050000	33.90	16.6	46.0	12.1	0.0	0.00	---
264.450000	34.50	16.6	46.0	11.5	0.0	0.00	---
265.800000	35.40	16.7	46.0	10.6	0.0	0.00	---
265.850000	34.20	16.7	46.0	11.8	0.0	0.00	---

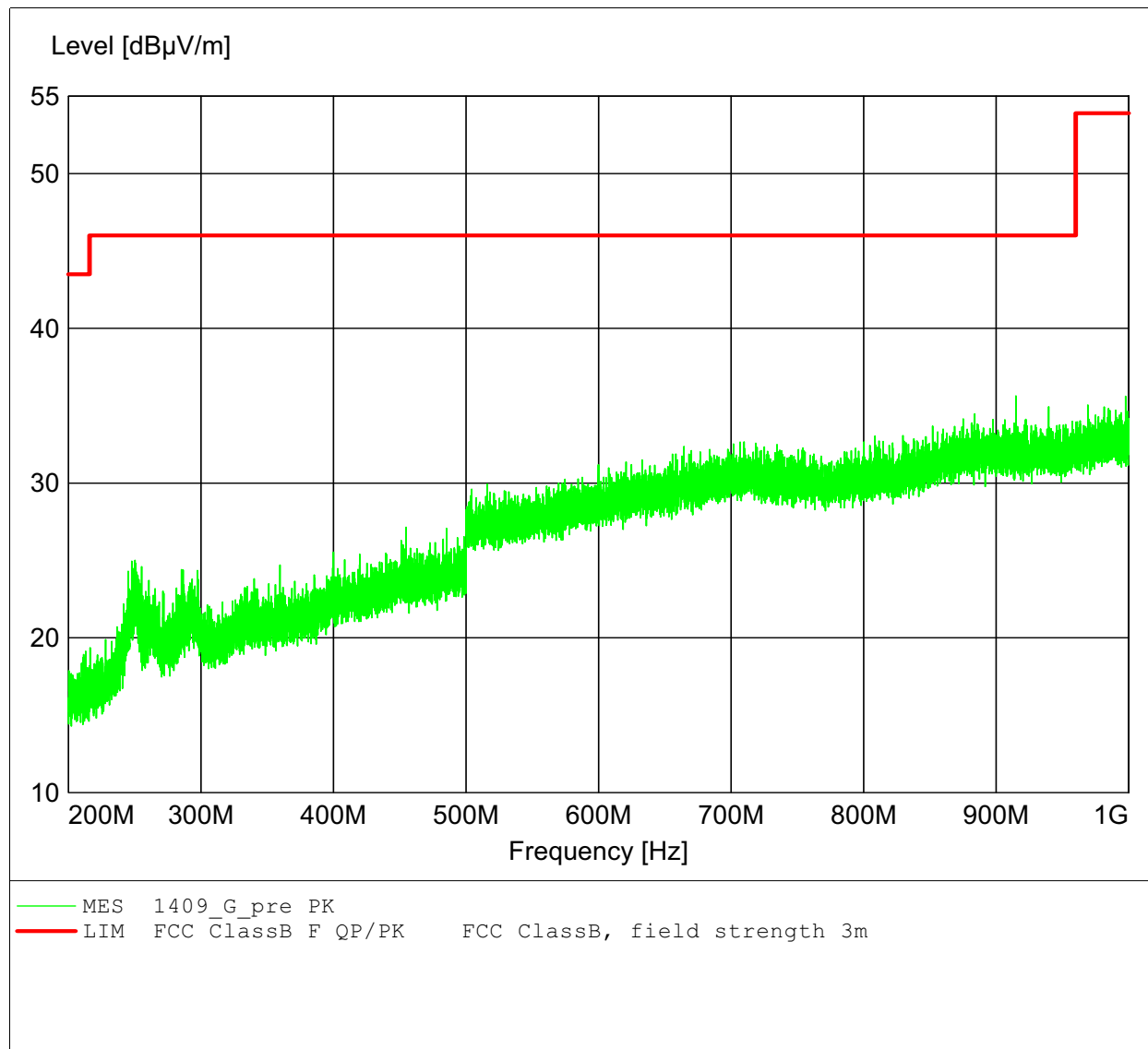
**Spurious emission under normal conditions according
to FCC part 15** **Ordernumber: GOM2807-1919**

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: battery
Test Specification: Ant: HK 116, vertical/horizontal
Comment 1: mode: usb-charging
Comment 2: mode:



**Spurious emission under normal conditions according
to FCC part 15** **Ordernumber: GOM2807-1919**

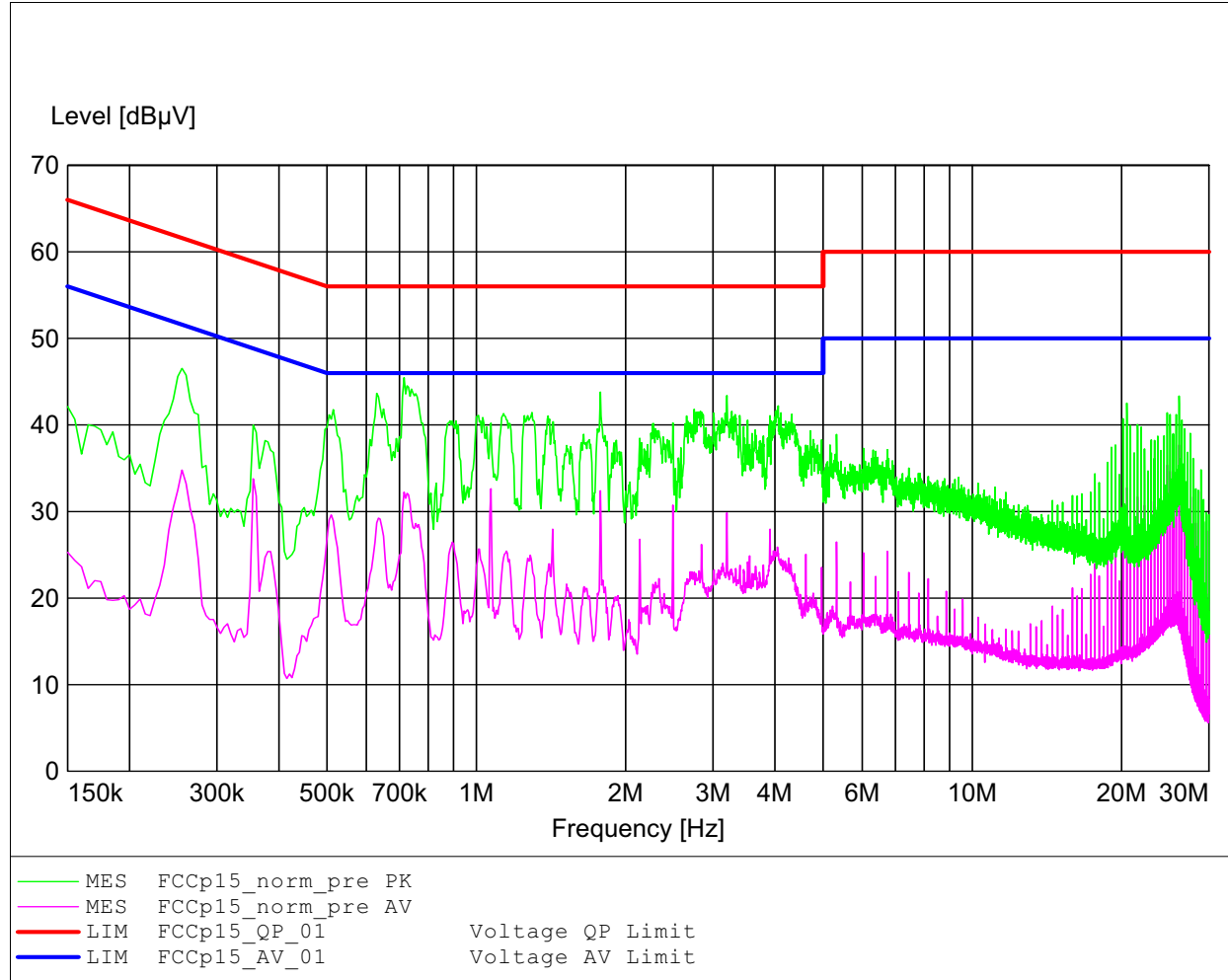
Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409-G
Test Site / Operator: eurofins Product Service GmbH / Mr. Pflug
Test Conditions: Tnom: 23°C, Unom: battery
Test Specification: Ant: HL 223, vertical/horizontal
Comment 1: mode: usb-charging
Comment 2: mode:



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

Ordernumber: GOM20807-1919

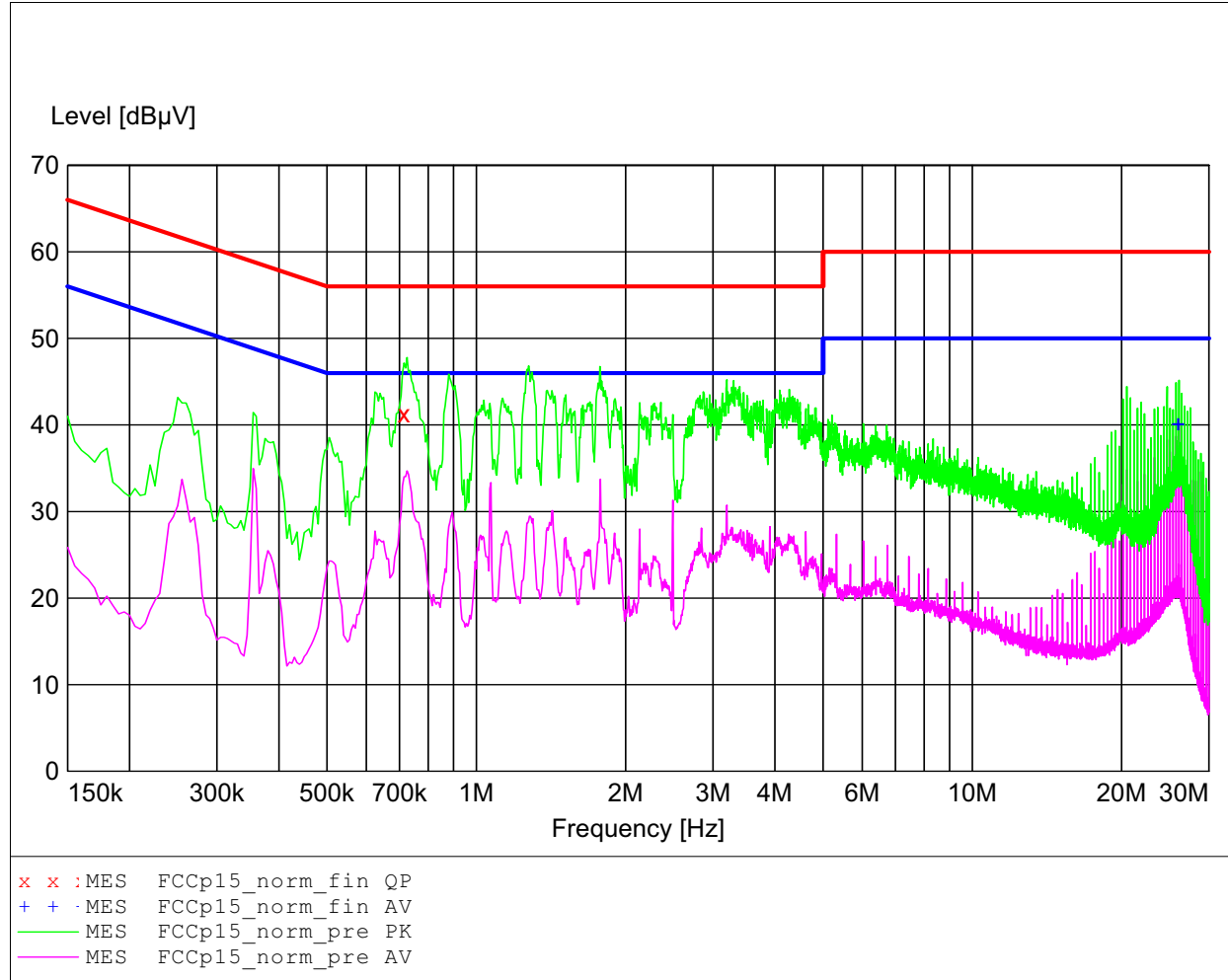
Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409_g
Test Site / Operator: Eurofins Product Service GmbH / Mr. Marquardt
Test Conditions: Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C
Test Specification: V-Network: ESH2-Z5 (L1)
Comment 1: mode: BT
Comment 2:



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

Ordernumber: GOM20807-1919

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409_G
Test Site / Operator: Eurofins Product Service GmbH / Mr. Marquardt
Test Conditions: Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C
Test Specification: V-Network: ESH2-Z5 (N)
Comment 1: mode: BT
Comment 2:



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

Ordernumber: GOM20807-1919

Approval Holder: LinTech GmbH
EUT: Bluetooth serial port adaptor
Model: 1409_G
Test Site / Operator: Eurofins Product Service GmbH / Mr. Marquardt
Test Conditions: Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C
Test Specification: V-Network: ESH2-Z5 (N)
Comment 1: mode: BT
Comment 2:

MEASUREMENT RESULT: "FCCp15_norm_fin AV"

14.08.2008 09:40

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
25.995000	40.00	11.3	50	10.0	---	---

MEASUREMENT RESULT: "FCCp15_norm_fin QP"

14.08.2008 09:40

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.715000	41.30	10.1	56	14.7	---	---

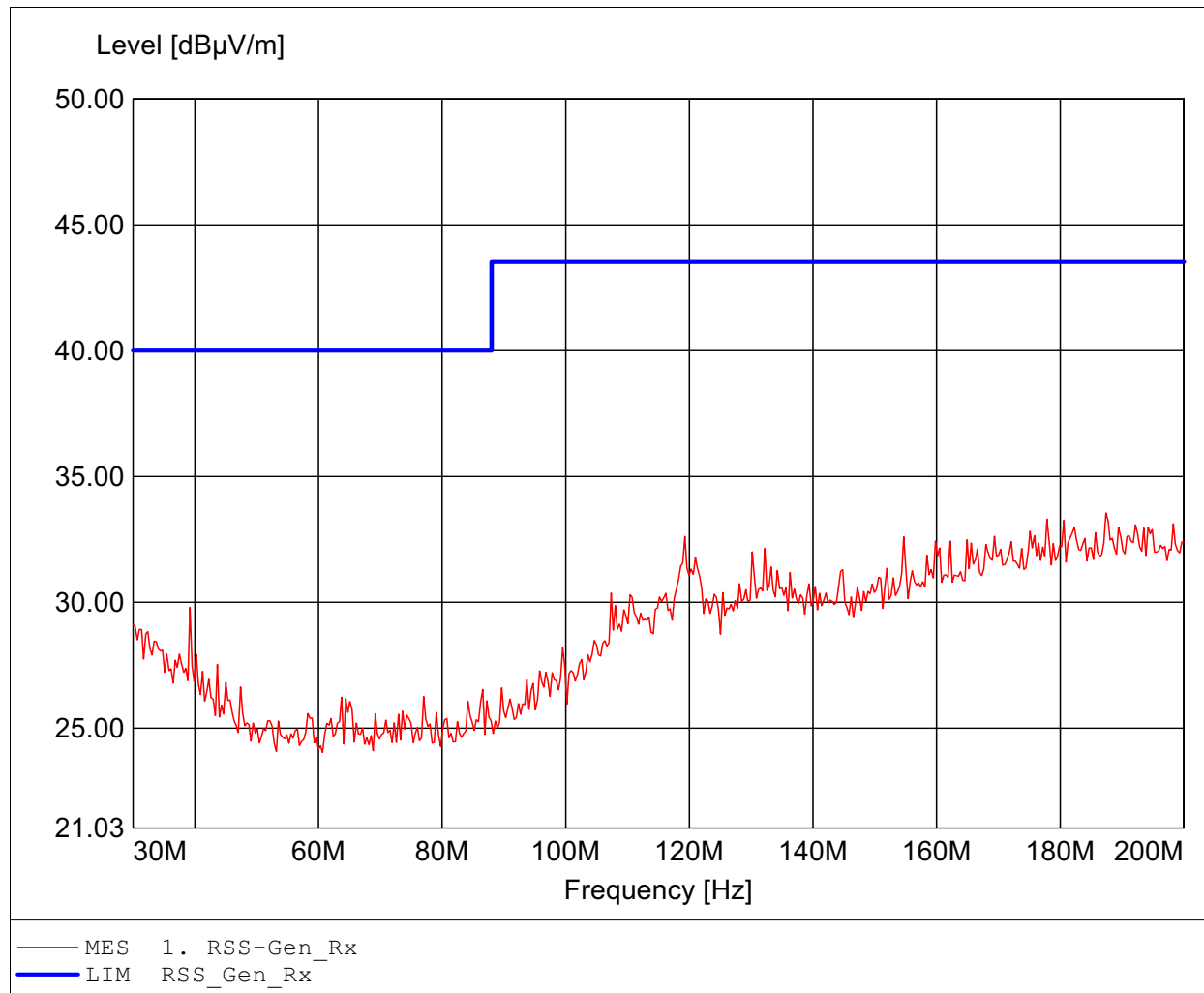
Annex C

Receiver Radiated emission

Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

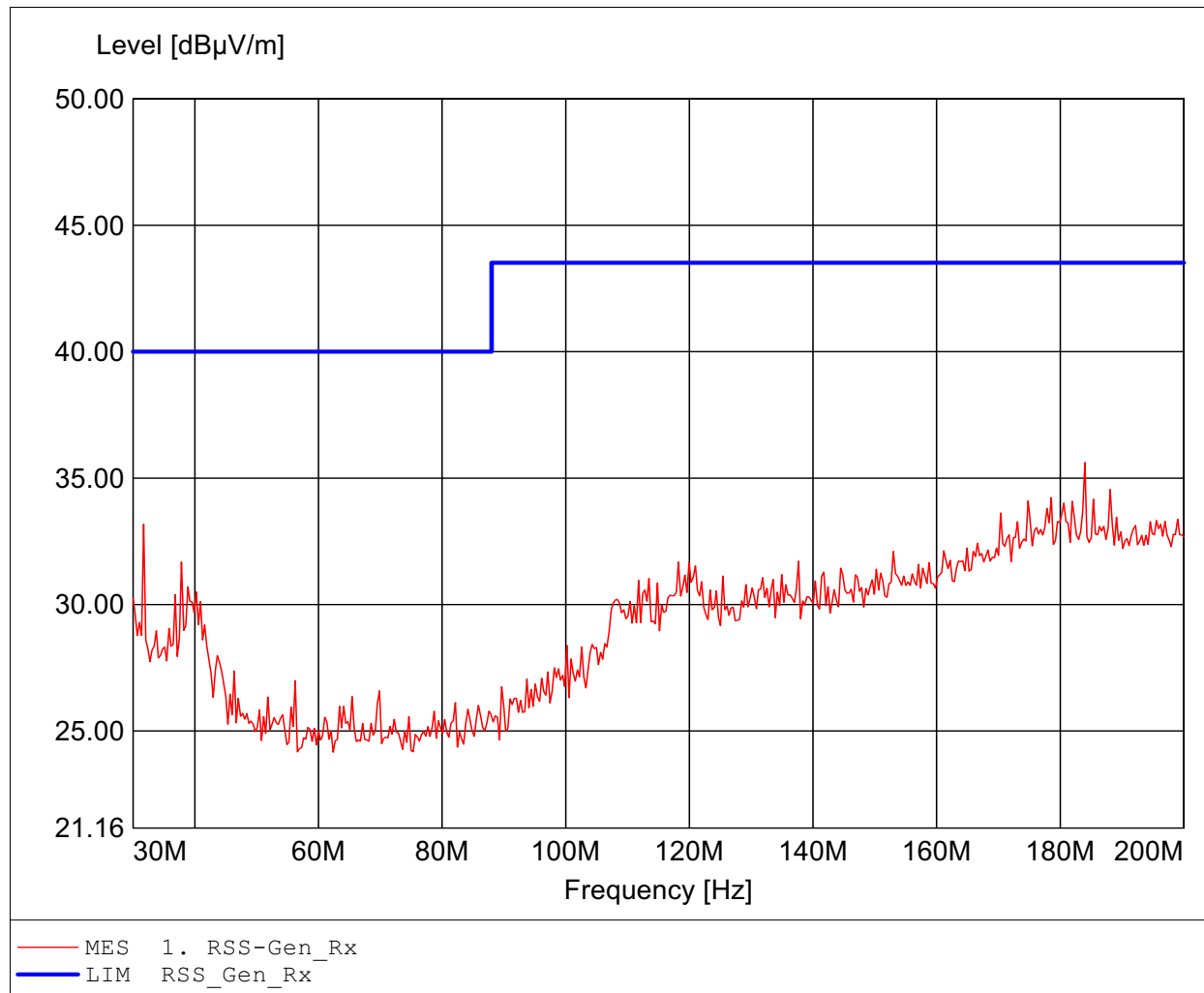
Approval Holdorder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:187.395MHz Emax:33.55dBμV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

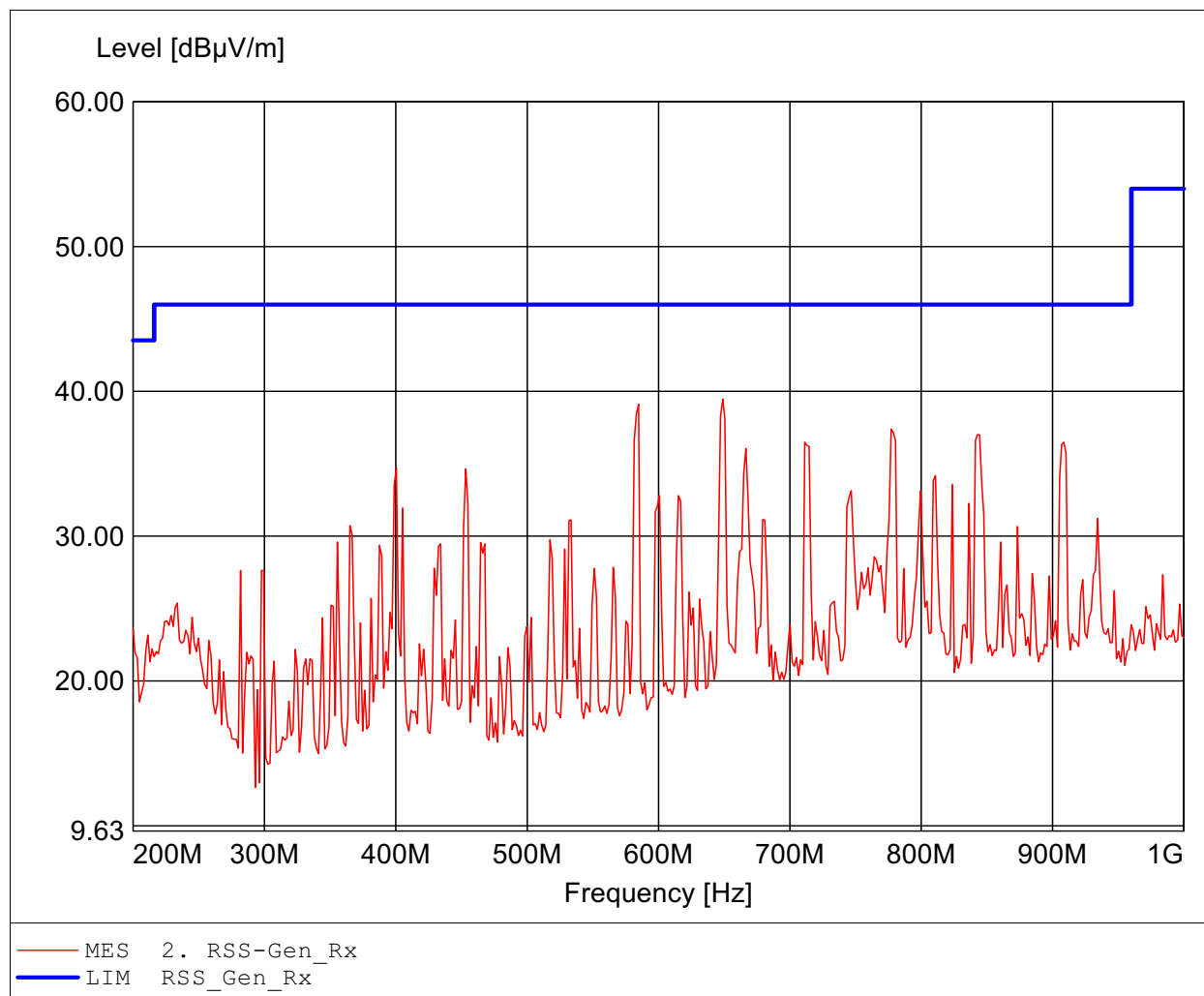
Approval Holdorder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:183.988MHz Emax:35.62dBμV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

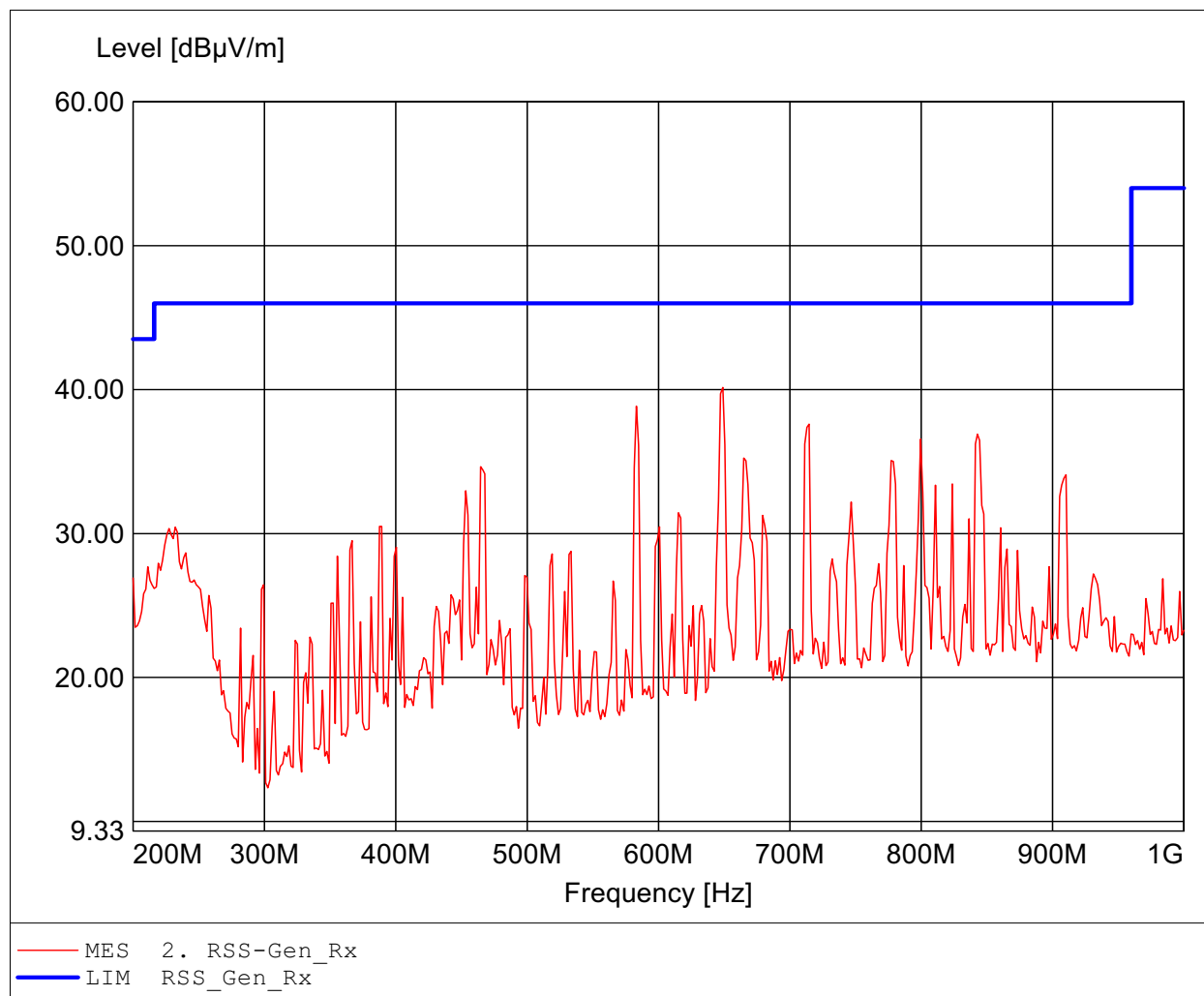
Approval Holdorder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq: 648.898MHz Emax: 39.47dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

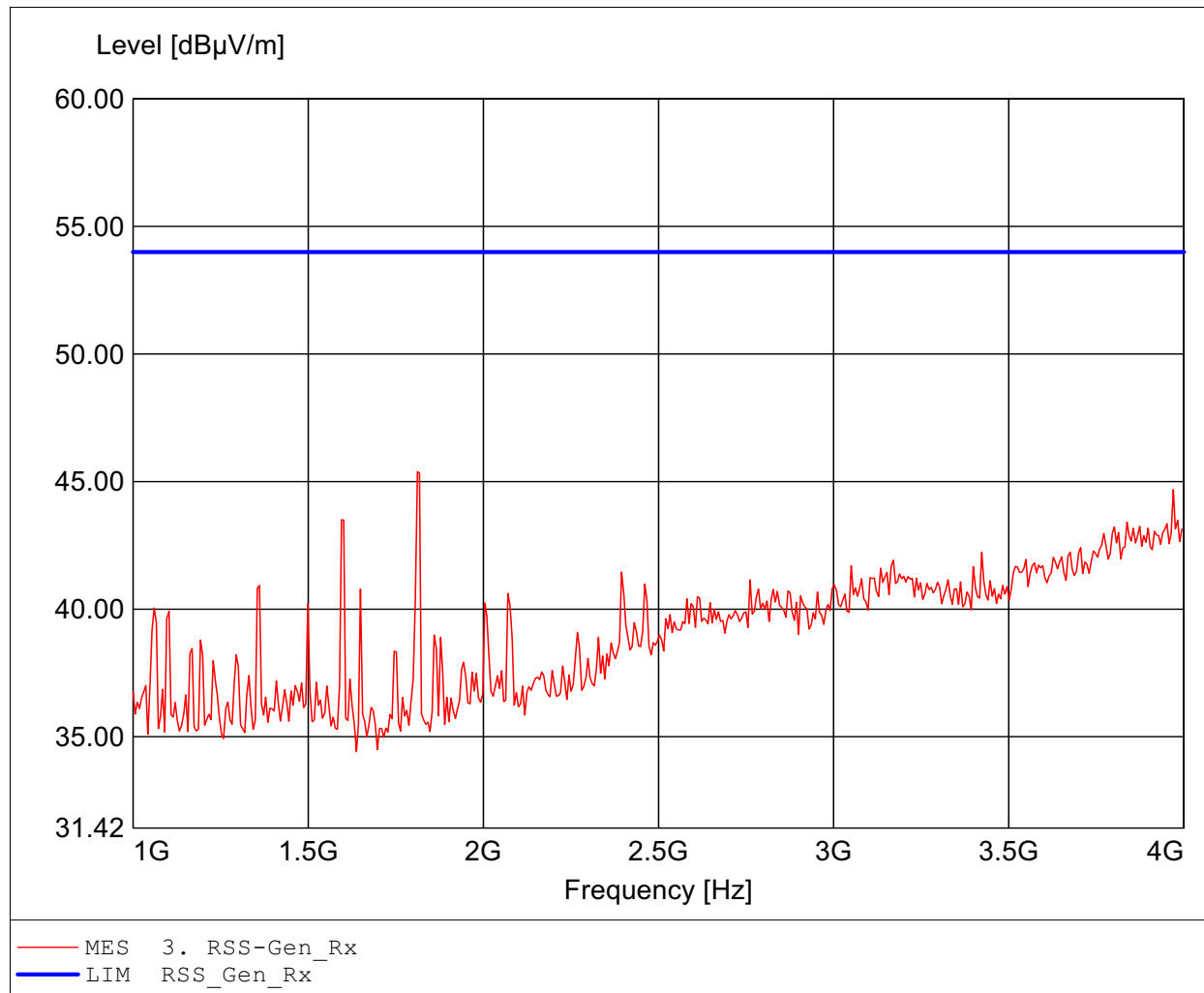
Approval Holdorder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:648.898MHz Emax:40.16dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

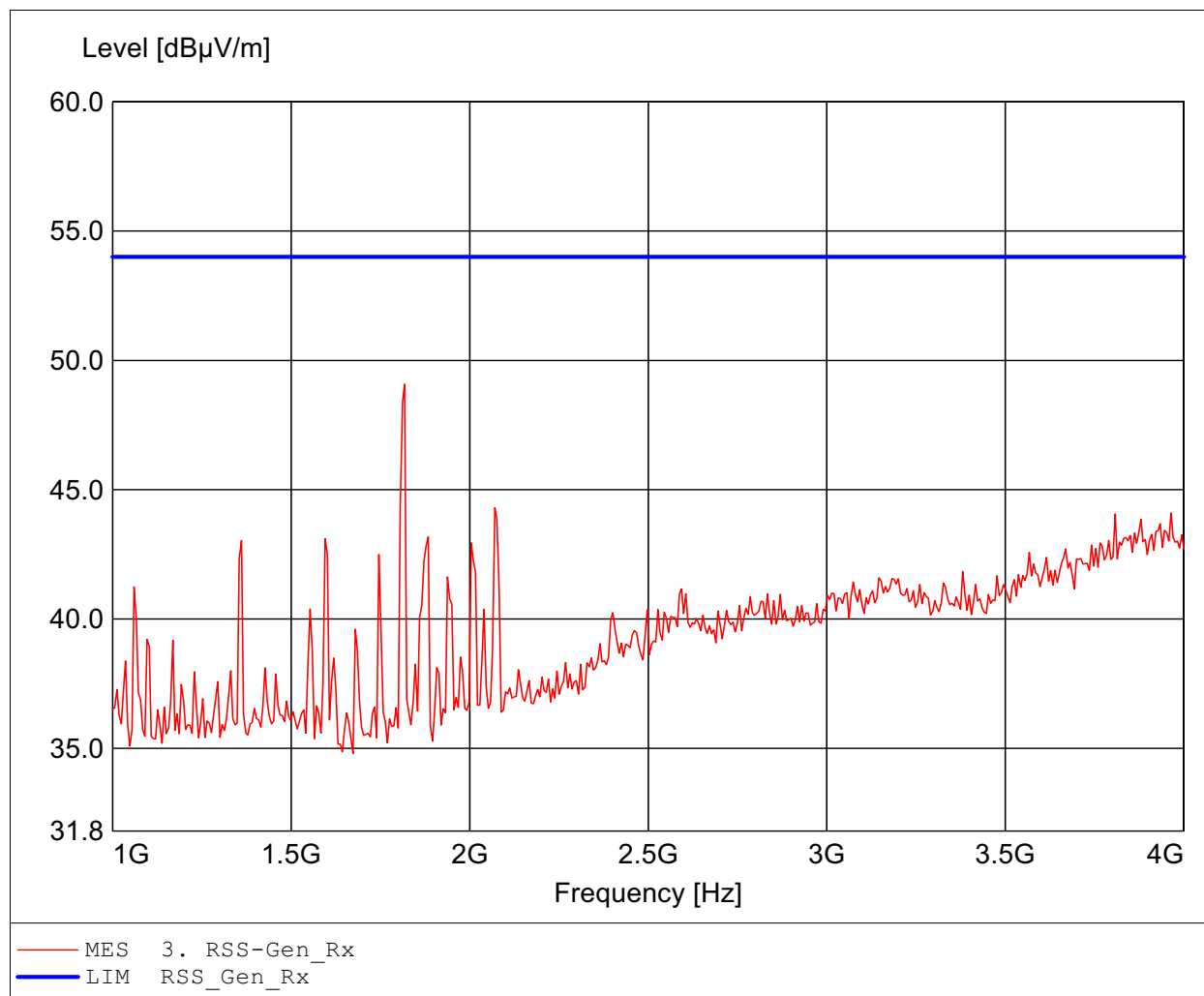
Approval Holdolder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:1.812GHz Emax:45.39dBμV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

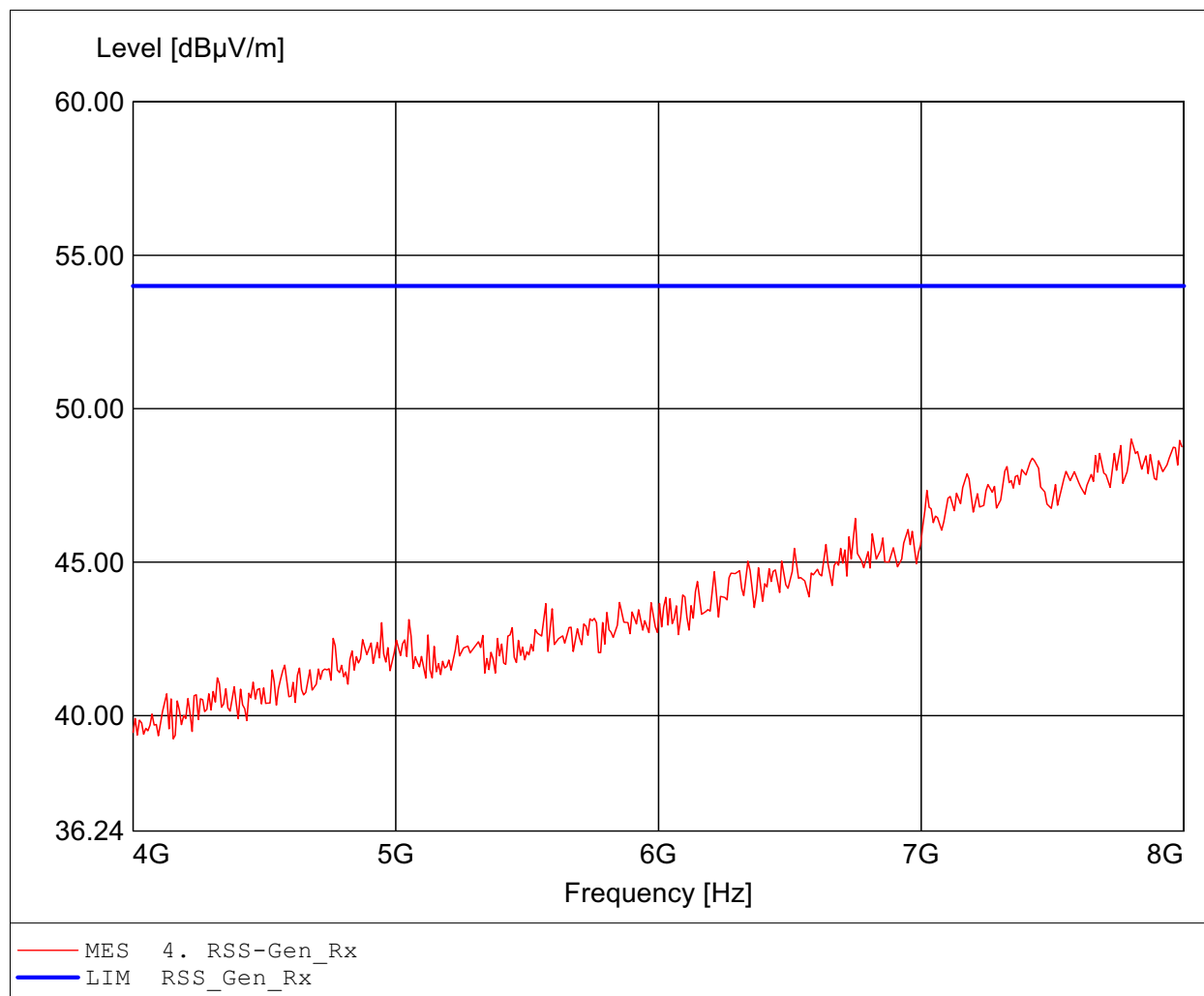
Approval Holdolder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:1.818GHz Emax:49.08dBμV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

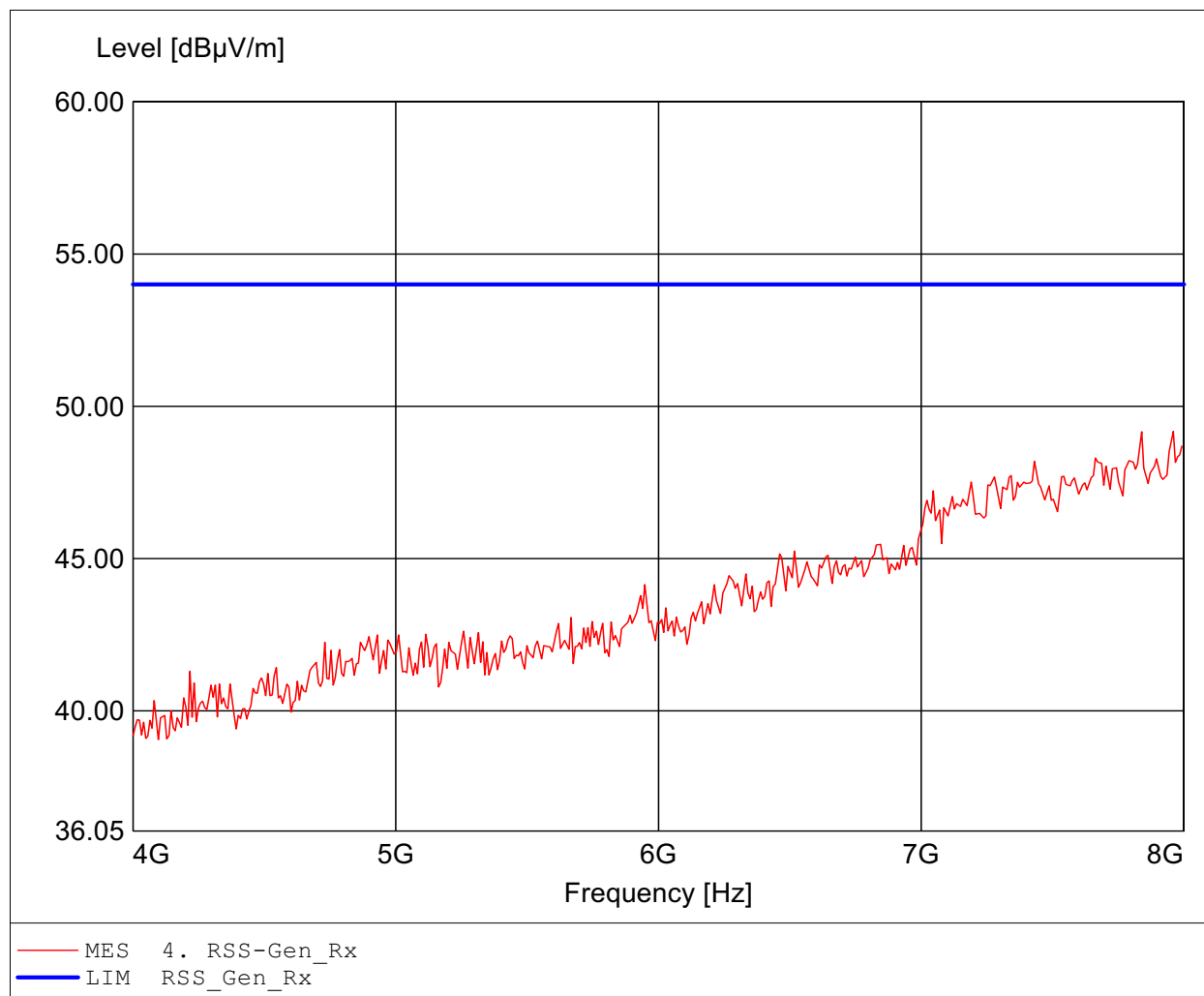
Approval Holdolder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:7.800GHz Emax:49.02dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

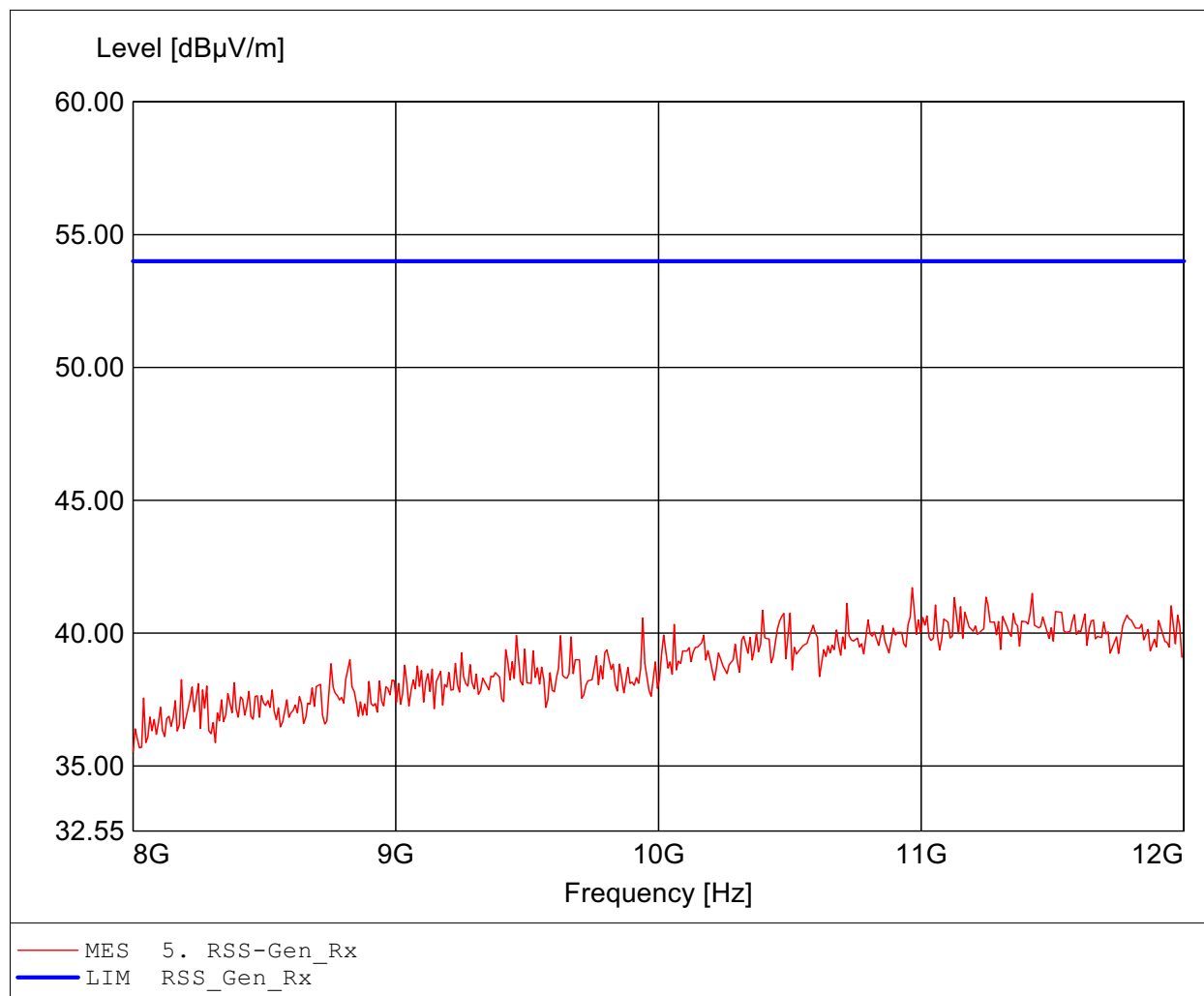
Approval Holdolder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:7.960GHz Emax:49.17dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holdorder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:10.966GHz Emax:41.71dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holdorder: LinTech GmbH
EUT: Bluetooth serial port adapter
Model: 1409_G / 2441 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Heide
Test Conditions: Tnom.: 25°C / Unom: 3.7 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:11.206GHz Emax:42.91dBµV/m RBW: 1 MHz

