



EUROFINS PRODUCT SERVICE GMBH



Testing Cert #1983.01

RADIO TEST- REPORT

Compliance Test Report

**FCC PART 15 SUBPART C
IC RSS 210 ISSUE 7**

Wireless LAN Radio Part

**FCC ID: RFF-3DDISTO
IC: 3177A-3DDISTO**

Laser Distance Meter

3D Disto

TEST REPORT NUMBER: G0M21011-3883-P-15



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1 General Information

1.1 Notes

The results of this test report relate exclusively to the item tested as specified in chapter "Description of test item" and are not transferable to any other test items.

Eurofins Product Service GmbH is not responsible for any generalisations and conclusions drawn from this report. Any modification of the test item can lead to invalidity of test results and this test report may therefore be not applicable to the modified test item.

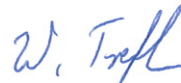
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Operator:

03.12.2010

W. Treffke



Date

Eurofins-Lab.

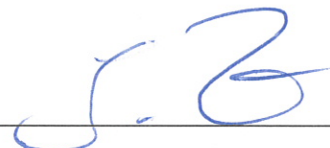
Name

Signature

Technical responsibility for area of testing:

03.12.2010

J. Zimmermann



Date

Eurofins

Name

Signature

1.2 Testing laboratory

EUROFINS PRODUCT SERVICE GMBH
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Germany
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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

Test location, where different:

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

1.3 Details of approval holder

Name : Leica Geosystems AG
Street : Heinrich Wild Strasse
Town : CH 9435 Heerbrugg
Country : Switzerland
Telephone : 0041717274451
Fax :

Contact : Herr Wolfram Mathis
Telephone : 0041717274451

1.4 Application details

Date of receipt of application : 09.11.2010
Date of receipt of test item : 09.11.2010
Date of test : 29.11.2010 – 30.11.2010

1.5 Test item

Description of test item : Laser Distance Meter
Type identification : 3D Disto
Hardware version : v 04
Software version : v 0.176
Equipment type : End Product

Technical data

Frequency range : 2400 - 2483.5MHz
Tested frequencies : F₁ 2412MHz max. radiated power: 9.6dBm
Tested frequencies : F₂ 2437MHz max. radiated power: 8.5dBm
Tested frequencies : F₃ 2462MHz max. radiated power: 9.5dBm
Antenna type : internal
Number of antennas : 1
Antenna gain : -1.23dBi (Declared by approval holder)
Power supply : 24VDC
Operating mode : semi duplex
Spreading technique : CCK, DSSS, OFDM
Modulations : DBPSK, DQPSK
Device classification : Mobile Device (Human Body distance > 20 cm)
Additional information : none

Manufacturer:
(if applicable)

Name : Leica Geosystems AG
Street : Heinrich Wild Strasse
Town : CH 9435 Heerbrugg
Country : Switzerland

1.6 Test standards

Technical standard : **FCC PART 15 SUBPART C**
 IC RSS 210 ISSUE 7

1.7 Acronyms and abbreviations

EUT : Equipment under Test
TX : Transmission
RX : Reception
RBW : Measurement Resolution Bandwidth
Pol : Measurement Polarization
e.i.r.p. : Equivalent isotropic radiated power
FHSS : Frequency hopping spread spectrum
DSSS : Direct Sequence Spread Spectrum
OFDM : Orthogonal frequency division multiplexing
CCK : Complementary code keying
GFSK : Gaussian frequency shift keying
DBPSK : Differential binary phase shift keying
DQPSK : Differential quadrature phase shift keying
PSK : Phase shift keying
 T_{nom} : Nominal Temperature
 T_{min} : Minimum Temperature
 T_{max} : Maximum Temperature
 V_{nom} : Nominal Supply Voltage
 V_{min} : Minimum Supply Voltage
 V_{max} : Maximum Supply Voltage
VDC : DC voltage
N/A : Not applicable
IC : Industry Canada

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 : 22 ... 26°C

Relative humidity content : 20 ... 75%

Air pressure : 86 ... 103kPa

Extreme conditions parameters:

V_{nom} : 24VDC

$V_{min} (V_{nom}-15\%)$: 18VDC

$V_{max} (V_{nom}+15\%)$: 27VDC

T_{nom} : 25°C

Other parameter: None

2.3 Test equipment utilized

Measurement Equipment List					
No.	Measurement device:	Type:	Manufacturer:	Last Cal.	Next Cal.
ETS 0086	Semi-anechoic chamber	AC1	Frankonia	12.03.2010	12.03.2011
ETS 0271	Spectrum Analyzer	FSEK30	Rohde & Schwarz	19.03.2009	19.03.2011
ETS 0012	Biconical Antenna	HK 116	Rohde & Schwarz	29.01.2010	29.01.2011
ETS 0336	LPD Antenna	HL 223	Rohde & Schwarz	28.01.2010	28.01.2011
ETS 0018	Horn Antenna	BBHA 9120D	Schwarzbeck	26.08.2010	26.08.2011
ETS 0432	Amplifier-Matrix			02.06.2010	02.06.2012
ETS 0259	Power Meter	NRVD	Rohde & Schwarz	26.03.2010	26.03.2011
ETS 0278	Power Sensor	NRV-Z31	Rohde & Schwarz	01.08.2008	01.08.2010
ETS 0496	Spectrum Analyzer	FSP30	Rohde & Schwarz	26.08.2010	26.08.2011
ETS 0086	Semi-anechoic chamber	AC1	Frankonia	12.03.2010	12.03.2011

2.4 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 dB μ V. 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 dB μ V/m). The FCC limits are given in units of μ V/m. The following formula is used to convert the units of μ V/m to dB μ V/m:

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

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:

$$\begin{array}{rclcl} \text{Reading} & + & \text{AF} & = & \text{Net Reading} & : & \text{Net reading} - \text{FCC limit} = \text{Margin} \\ 21.5 \text{ dB}\mu\text{V} & + & 26 \text{ dB} & = & 47.5 \text{ dB}\mu\text{V/m} & : & 47.5 \text{ dB}\mu\text{V/m} - 57.0 \text{ dB}\mu\text{V/m} = -9.5 \text{ dB} \end{array}$$

2.5 Test results

 1st test

 test after modification

 production test

Test case	Clause	Required	Result	Remarks
INFORMATIONAL TRANSMITTER PARAMETERS				
Occupied Bandwidth	IC RSS-Gen. 4.6.1	<input checked="" type="checkbox"/>		
TRANSMITTER PARAMETERS				
6dB Bandwidth	FCC § 15.247(a)(2) IC RSS-210 § A8.2	<input checked="" type="checkbox"/>	PASS	
Spectral Density	FCC § 15.247(e) IC RSS-210 § A8.2	<input checked="" type="checkbox"/>	PASS	
Maximum peak conducted output power	FCC § 15.247(b) IC RSS-210 § A8.4	<input checked="" type="checkbox"/>	PASS	
Band-edge Compliance	FCC § 15.247(d) IC RSS-210 § A8.5	<input checked="" type="checkbox"/>	PASS	
Conducted spurious emissions	FCC § 15.247(d) IC RSS-210 § A8.5	<input checked="" type="checkbox"/>	PASS	
Radiated spurious emissions	FCC § 15.209 IC RSS-Gen § 4.9	<input checked="" type="checkbox"/>	PASS	
RECEIVER PARAMETERS				
Radiated spurious emissions	FCC § 15.109 IC RSS-Gen § 4.10 IC RSS-Gen § 7.2.3	<input checked="" type="checkbox"/>	PASS	
POWER LINE PARAMETERS				
AC power line conducted emissions	FCC § 15.207 IC RSS-Gen. 7.2.2	<input checked="" type="checkbox"/>	PASS	

3 Informational Transmitter parameters

3.1 Transmitter Modes for conformance testing

The following transmission modes are elected for compliance testing.

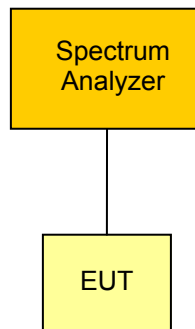
TEST MODE DSSS	
Conditions	
Spread Spectrum :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Spreading Technique :	DSSS
Modulation :	DBPSK
Bandwidth :	20MHz
Data rate :	1Mbps
Duty Cycle :	95%
Power level :	12

TEST MODE OFDM	
Conditions	
Spread Spectrum :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Spreading Technique :	OFDM
Modulation :	DBPSK
Bandwidth :	20MHz
Data rate :	6Mbps
Duty Cycle :	95%
Power level :	12

3.2 Occupied Bandwidth

According FCC rules 47 CFR 2.1049 and RSS-Gen Section 4.6.1 the 99% emission bandwidth occupied by the digital modulated transmitted signal has to be reported.

3.2.1 Measurement procedure



The eut is connected to a spectrum analyzer and set to transmission mode with maximum power under normal test conditions. The span of the analyzer is set wide enough to capture all significant emissions of the modulation spectrum. The resolutions bandwidth is set as close as possible to 1% of the selected span without being below 1%. The occupied bandwidth is than measured evaluated by an internal measurement procedure of the analyzer.

3.2.2 Results

Transmitter occupied bandwidth			
Measurement Conditions			
Power occupation :		99%	
Channel [MHz]	Lower edge frequency [MHz]	Upper edge frequency [MHz]	Occupied Bandwidth [MHz]
Test mode DSSS			
2412	2404.147	2419.932	15.78
2437	2429.067	2444.932	15.86
2462	2454.147	2469.932	15.78
Test mode OFDM			
2412	2403.105	2420.733	17.63
2437	2428.025	2445.733	17.71
2462	2453.105	2470.65	17.55
See attached diagram in Annex			
Verdict			PASS

4 Transmitter parameters

4.1 6dB Bandwidth

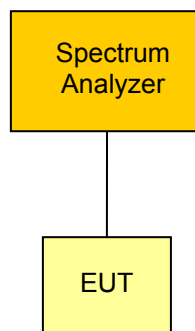
According FCC rules 47 CFR 15.247(a)(2) and RSS-210 Section A8.2 the minimum 6dB Bandwidth has to be validated.

4.1.1 Limits

According FCC and IC rules the minimum 6 dB bandwidth shall be at least 500 kHz.

6dB bandwidth limit
≥ 500kHz

4.1.2 Measurement procedure



The eut is connected to a spectrum analyzer and set to transmission mode with maximum power under normal test conditions. The resolution bandwidth is set to 100kHz (VBW≥RBW). The center frequency is set to the channel center frequency. The span of the analyzer is set to 2 -3 times the 6dB bandwidth. The bandwidth is determined using markers with peak detector and max hold.

4.1.3 Results

Transmitter 6dB bandwidth	
Channel [MHz]	6dB Bandwidth [MHz]
Test mode DSSS	
2412	12.62
2437	12.14
2462	12.14
Test mode OFDM	
2412	16.39
2437	15.39
2462	15.39
See attached diagram in Annex	
Verdict	PASS

4.2 Power spectral density

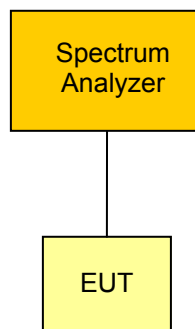
According FCC rules 47 CFR 15.247(e) and RSS-210 Section A8.2 the maximum pwer density in any 3kHz bandwidth is limited and has to be validated.

4.2.1 Limits

According FCC and IC rules the transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission or over 1.0 second if the transmission exceeds 1.0-second duration.

Spectral density limit
$\leq 8\text{dBm}/3\text{kHz}$

4.2.2 Measurement procedure



The eut is connected to a spectrum analyzer and set to transmission mode with maximum power under normal test conditions. The resolution bandwidth is set to 3kHz ($VBW \geq RBW$). The center frequency is set to the channel center frequency. The span of the analyzer is set to 1.5MHz. The sweep time is set to SPAN/RBW. The spectral density is determined using peak detector and max hold.

According to 47 CFR 15.31 battery power equipment is measured using new batteries and equipment using external power supply is measured with 85%, 100% and 115% of the nominal rated supply voltage.

4.2.3 Results

Power spectral density		
Channel [MHz]	Max. emission frequency [MHz]	Spectral density [dBm/3kHz]
Test mode DSSS		
2412	2.413616	-15.46
2437	2.438607	-9.88
2462	2.460217	-14.16
Test mode OFDM		
2412	2.411284	-13.84
2437	2.433215	-14.14
2462	2.462613	-13.18
Verdict		PASS

4.3 Maximum peak conducted output power

According FCC rules 47 CFR 15.247(b)(3) and RSS-210 Section A8.4 the maximum peak conducted output power is limited and has been verified.

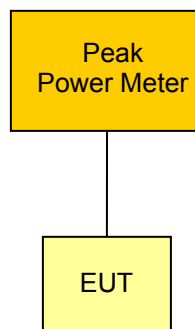
4.3.1 Limits

For systems employing digital modulation techniques operating in the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz, the maximum peak conducted output power shall not exceed 1 W.

Maximum peak conducted power limit
1W / 30dBm

*) The conducted output power limit specified above is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in the table, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.3.2 Measurement procedure



The eut is connected to a peak power sensor of a power meter and activated with the maximum power level. The peak power is measured and recorded.

According to 47 CFR 15.31(e) battery power equipment is measured using new batteries and equipment using external power supply is measured with 85%, 100% and 115% of the nominal rated supply voltage.

4.3.3 Results

Maximum peak conducted output power		
Measurement Conditions		
Antenna gain :	-1.23dBi	
Power correction :	0dB	
Channel [MHz]	Conducted output power [dBm]	Power Limit [dBm]
Test mode DSSS		
2412	12.5	30
2437	13.1	30
2462	13.4	30
Test mode OFDM		
2412	12.3	30
2437	12.3	30
2462	12.6	30
Measurement uncertainty		4.22dB
Verdict		PASS

4.4 Transmitter band-edge compliance

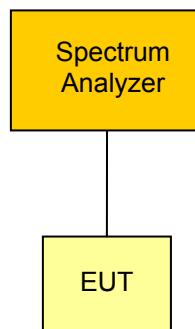
According FCC rules 47 CFR 15.209, 15.247(d) and RSS-210 Section A8.5 the emission level of out-of-band emissions are limited and has to be validated.

4.4.1 Limits

The emission limit of out of band emission in any 100kHz bandwidth outside the frequency band in which the spread spectrum device is operating, the radio frequency power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general limits (see "Transmitter spurious emissions"-measurement) is not required.

Transmitter band-edge emission limits	
TX-Power Detector	Out of band attenuation
Peak	-20dBc/100kHz
RMS	-30dBc/100kHz

4.4.2 Measurement procedure



The eut is connected to a spectrum analyzer and set to transmission mode without hopping with maximum power under normal test conditions. The span of the analyzer is set large enough to capture the maximum emission within the emission band as well as any modulation product which fall outside the authorized band of operation. The resolution bandwidth is set to 1% of the span ($VBW \geq RBW$). The

A marker is set on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Using the delta-marker function the highest peak of of the in-band emission is measured.

4.4.3 Results

Transmitter band-edge emissions		
Measurement Conditions		
Power mode :	Peak	
Test mode	Lower edge emission [dBc]	Upper edge emission [dBc]
DSSS	-35.09	-46.82
OFDM	-30.74	-42.76
See attached diagram in Annex		
Verdict	PASS	

4.5 Transmitter conducted spurious emissions

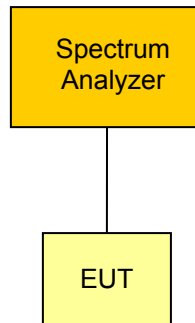
According FCC rules 47 CFR 15.247(d) and RSS-210 Section A8.5 unwanted emissions in the spurious domain are power limited and has to be validated.

4.5.1 Limits

The emission limit of out of band emission in any 100kHz bandwidth outside the frequency band in which the spread spectrum device is operating, the radio frequency power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general limits (see “Transmitter radiated spurious emissions”-measurement) is not required.

Transmitter conducted spurious emission limits	
TX-Power Detector	Out of band attenuation
Peak	-20dBc/100kHz
RMS	-30dBc/100kHz

4.5.2 Measurement procedure



The eut is connected to a spectrum analyzer and set to transmission mode with maximum power under normal test conditions. The span of the analyzer is set large enough to capture the maximum emission within the emission band as well as any spurious emission outside the authorized band of operation. The resolution bandwidth is set to 100kHz (VBW≥RBW). The emissions are measured using peak detector and max hold.

The measurement is performed over the frequency range of 30MHz up to the tenth harmonic.

4.5.3 Results

Transmitter conducted spurious emissions					
Measurement Conditions					
Power detector :		Peak			
Modulated :		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Channel Frequency [MHz]	Emission Frequency [MHz]	Measured Field Strength * [dBm]	Channel Power [dBm]	Limit [dBm]	Margin [dB]
Test mode DSSS					
<i>No significant spurious emissions have been observed.</i>					
Test mode OFDM					
<i>No significant spurious emissions have been observed.</i>					
See attached diagrams in Annex					
Verdict				PASS	

4.6 Transmitter radiated spurious emissions

According FCC rules 47 CFR 15.209 unwanted emissions in the spurious domain are power limited and has to be validated.

4.6.1 Limits

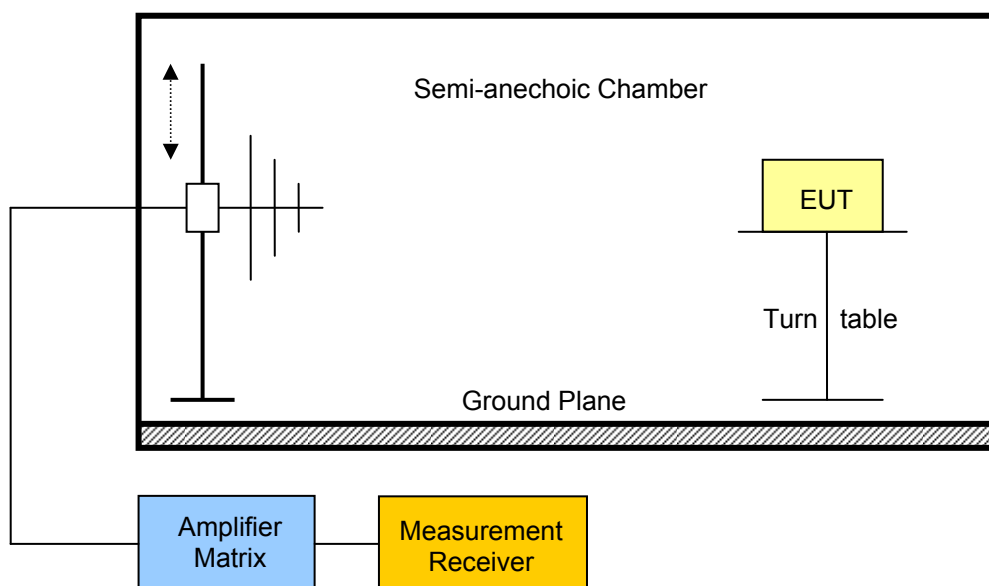
Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Tranmitter restricted band spurious emission limits				
Frequency range [MHz]	Detector	Limit [$\mu\text{V}/\text{m}$]	Calculated Limit 3m [$\text{dB}\mu\text{V}/\text{m}$]	Measurement Distance [m]
30 – 88	Quasi-Peak	100	40	3
88 – 216	Quasi-Peak	150	43.5	3
216 – 960	Quasi-Peak	200	46	3
960 – 1000	Quasi-Peak	500	54	3
> 1000	Average	500	54	3

When average radiated emission measurements are specified, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

4.6.2 Measurement procedure

The spurious emission measurement is performed on 3m a semi-anechoic test site.



The eut is placed on a non-metallic table. Any emission is received by the measurement antenna and measured via a measurement receiver connected to the antenna. To obtain the maximum emission the eut is rotated through 360°.

Due to practical reasons the spurious emission level check is first performed with a peak detector and the quasi-peak and average limits.

If any emission is detected that gets close to the emission limit the detector is changed and the quasi-peak or average detector is used. Which detector is used is determined by the emission frequency. If pulsed transmission is used, averaging over the pulse train is used.

The measurement values are also corrected to obtain the field strength values at the defined measurement distances of the emission limits.

The measurement is performed over the frequency range of 30MHz up to the tenth harmonic.

4.6.3 Results

Transmitter radiated spurious emissions						
Measurement Conditions						
Measurement distance :		3m				
Modulated :		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Channel Frequency [MHz]	Emission Frequency [MHz]	Polarization	Measured Field Strength * [dB μ V/m]	Limit@3m [dB μ V/m]	Detector	Margin [dB]
DSSS						
2412	4826	vertical	55.6	74	p	-18.40
2412	4824	vertical	53.0	54	av	-1.00
2437	4874	vertical	54.10	74	p	-19.90
2437	4874	vertical	51.99	54	av	-2.01
OFDM						
2412	2389	vertical	58.56	74	p	-15.44
2412	2389	vertical	43.72	54	av	-10.28
2412	2389	horizontal	56.34	74	p	-17.66
2412	2389	horizontal	43.87	54	av	-10.13
2412	4818	vertical	54.02	74	p	-19.98
2412	4823	vertical	41.70	54	av	-12.30
2412	7255	horizontal	54.87	74	p	-19.13
2412	7255	horizontal	36.74	54	av	-17.26
2437	7311	horizontal	57.20	74	p	-16.80
2437	7308	horizontal	43.81	54	av	-10.19
2462	2487	vertical	60.6	74	p	-13.40
2462	2487	vertical	45.61	54	av	-8.39
2462	2487	horizontal	62.57	74	p	-11.43
2462	2487	horizontal	45.31	54	av	-8.69
2462	7391	horizontal	56.20	74	p	-17.80
2462	7385	horizontal	43.74	54	av	-10.26
See attached diagrams in Annex						
Verdict					PASS	

* **Note** : If necessary the measured field strength values are corrected to reflect the field strength values at the measurement distance stated in the table. Correction acc. $20 \cdot \log_{10}(\text{measurement distance}/\text{limit distance})$.

5 Receiver parameters

5.1 Receiver spurious emissions

According FCC rules 47 CFR 15.109 and RSS-Gen Section 4.9 the emission of unintentional radiators have to comply with limits stated in the rules.

5.1.1 Limits

According § 15.109 of the FCC rules, the field strength of radiated emissions from a Class A digital device (*a digital device that is marketed for use in a commercial, industrial or business environment, exclusive of a device which is marketed for use by the general public or is intended to be used in the home.*), as determined at a distance of 10 meters, shall not exceed the following:

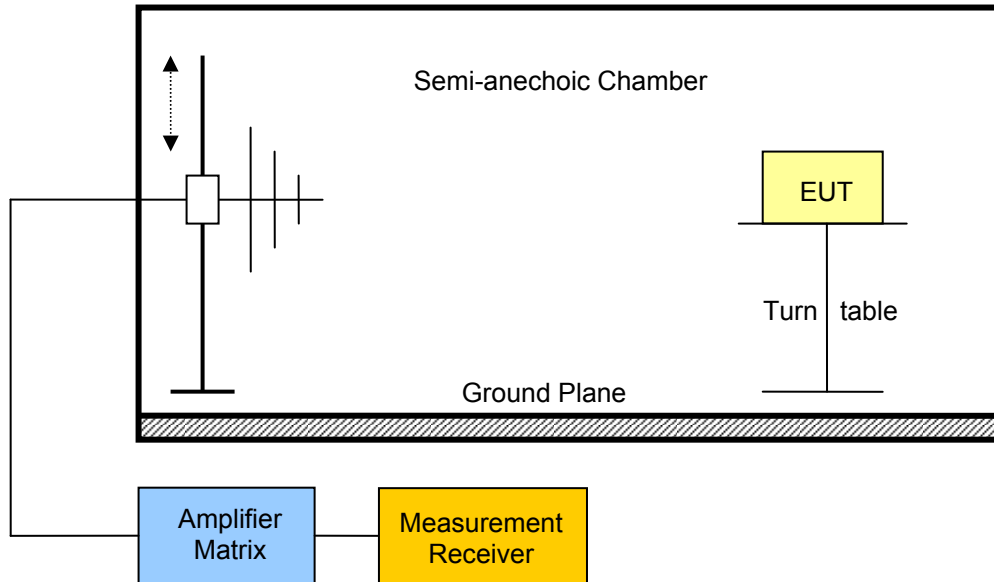
Class A receiver spurious emission limits @ 10m				
Frequency range [MHz]	Detector	Limit [$\mu\text{V/m}$]	Calculated Limit [dB $\mu\text{V/m}$]	Measurement Distance [m]
30 – 88	Quasi-Peak	90	39.1	10
88 – 216	Quasi-Peak	150	43.5	10
216 – 960	Quasi-Peak	210	46.4	10
960 – 1000	Quasi-Peak	300	49.5	10
> 1000	Average	300	49.5	10

Except for Class A digital devices (*Class B, a digital device that is marketed for use in a residential environment notwithstanding use in commercial, business and industrial environments. Examples of such devices include, but are not limited to, personal computers, calculators, and similar electronic devices that are marketed for use by the general public.*), the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Class B receiver spurious emission limits @ 3m				
Frequency range [MHz]	Detector	Limit [$\mu\text{V/m}$]	Calculated Limit [dB $\mu\text{V/m}$]	Measurement Distance [m]
30 – 88	Quasi-Peak	100	40	3
88 – 216	Quasi-Peak	150	43.5	3
216 – 960	Quasi-Peak	200	46	3
960 – 1000	Quasi-Peak	500	54	3
> 1000	Average	500	54	3

5.1.2 Measurement procedure

The spurious emission measurement is performed on a 10m open area test site.



The eut is placed on a non-metallic table. Any emission is received by a loop antenna and measured via a measurement receiver connected to the loop antenna. To obtain the maximum emission the eut is rotated through 360°.

Due to practical reasons the spurious emission level check is first performed with a peak detector and the quasi-peak and average limits.

If any emission is detected that gets close to the emission limit the detector is changed and the quasi-peak or average detector is used. Which detector is used is determined by the emission frequency. If pulsed transmission is used, averaging over the pulse train is used.

The measurement values are also corrected to obtain the field strength values at the defined measurement distances of the emission limits.

The measurement is performed over the frequency range of 30MHz up to the fifth harmonic.

5.1.3 Results

Receiver spurious emissions						
Measurement Conditions						
Measurement distance :		3m				
Device class :		B				
Channel Frequency [MHz]	Emission Frequency [MHz]	Polarization	Measured Field Strength * [$\mu\text{V/m}$]	Limit@3m [$\mu\text{V/m}$]	Detector	Margin [$\mu\text{V/m}$]
	71,900	vertical	64,79	100	Peak	-35,21
	167,976	horizontal	47,86	150	Peak	-102,14
	454,910	Vertical	94,84	200	Peak	-105,16
	797,995	Vertical	92,04	200	Peak	-107,96
	666,533	horizontal	84,43	200	Peak	-115,57
	711,533	horizontal	84,43	200	Peak	-115,57
	1812,000	vertical	168,46	500	Peak	-331,54
	3772,000	horizontal	139,16	500	Peak	-360,84
	7960,00	vertical	302,00	500	Peak	-198,00
	7968,00	horizontal	288,07	500	Peak	-211,93
See attached diagrams in Annex						
Verdict					PASS	

* **Note** : If necessary the measured field strength values are corrected to reflect the field strength values at the measurement distance stated in the table. Correction acc. $20 \cdot \log_{10}(\text{measurement distance}/\text{limit distance})$.

6 Power Line parameters

6.1 AC power line conducted emissions

According FCC rules 47 CFR 15.207 and RSS-Gen Section 7.2.2 for any intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits given below.

6.1.1 Limits

AC power line emission limits		
Frequency [MHz]	Conducted Limit [dB μ V]	
	Quasi-Peak	Average
0.15 – 0.5	66 to 56	56 to 46
0.5 - 5	56	46
5 - 30	60	50

6.1.2 Measurement procedure

The ac power line emissions are measured using a 50 μ H / 50 Ω line impedance stabilization network (LINS). The radio frequency voltage between each power line and ground at the power terminal is measured.

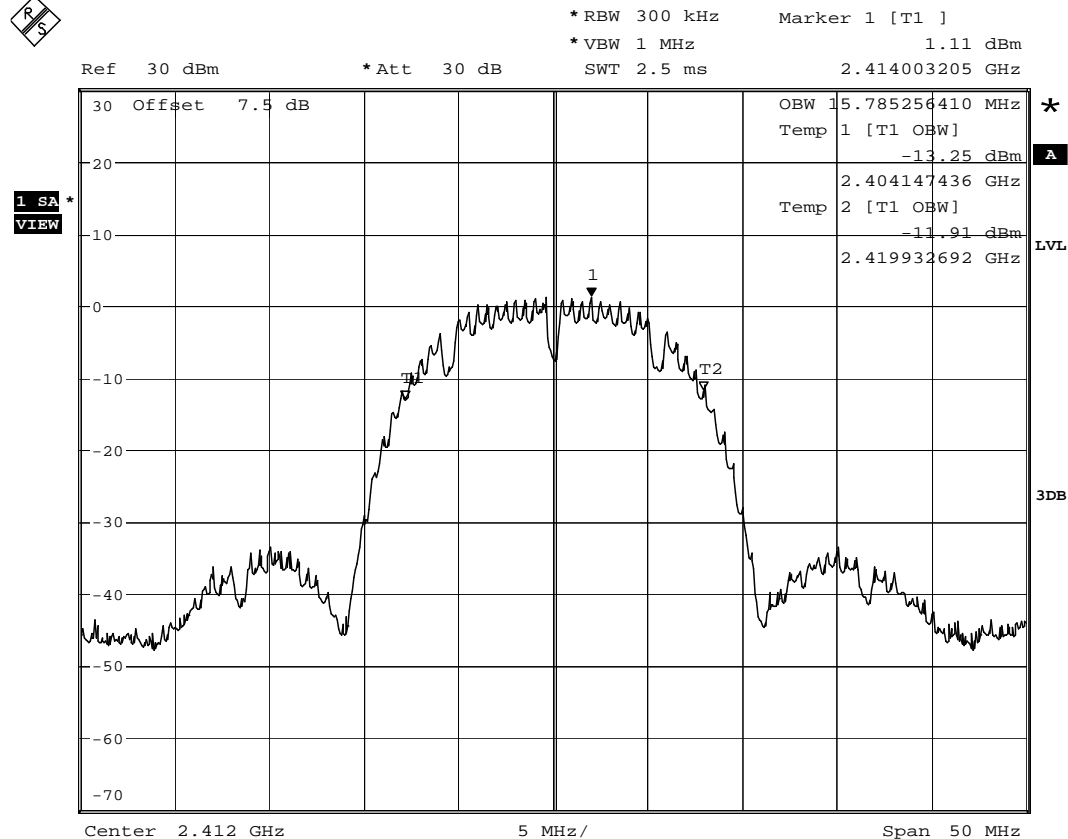
6.1.3 Results

AC power line emissions	
Conducted emission level	
See attached Diagram	
Verdict	PASS

Annex B Transmitter Occupied Bandwidth

RSS Gen Occupied Bandwidth

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 2412 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	DSSS / 1 Mbit/s

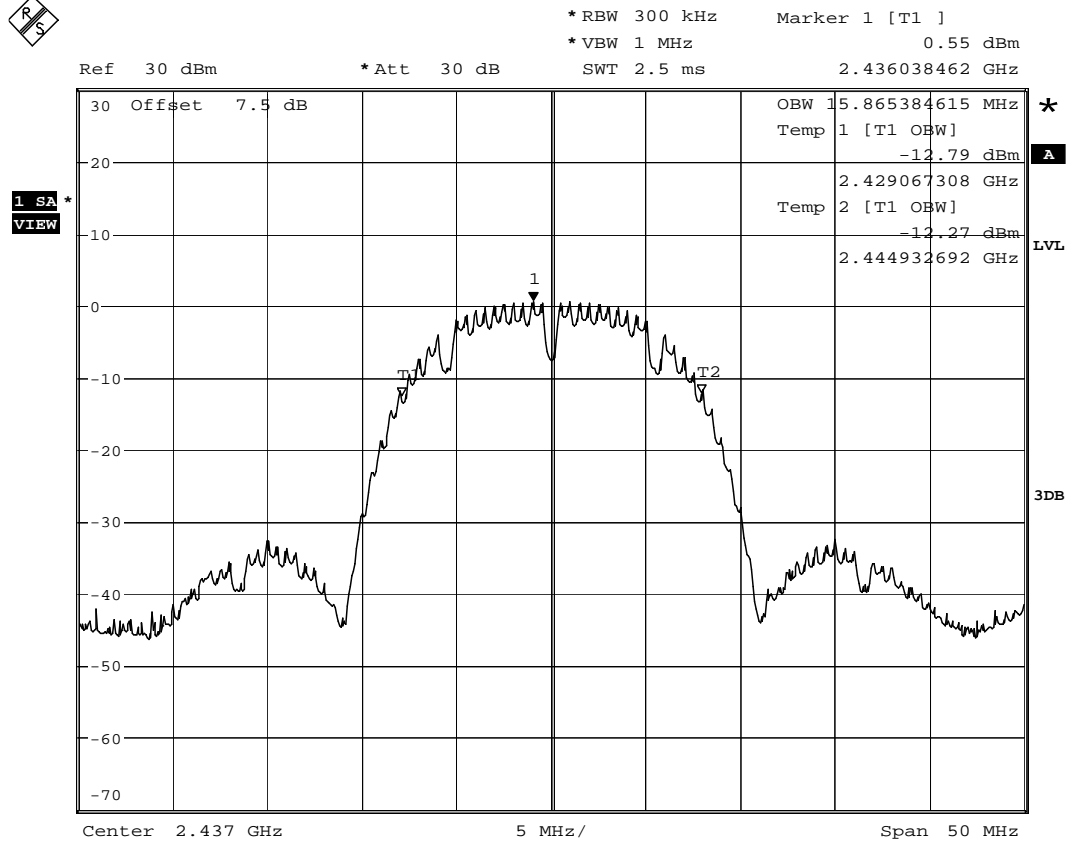


Occupied bandwidth: 15785.3 KHz

Date: 30.NOV.2010 10:53:21

**RSS Gen
Occupied Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 2437 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	DSSS / 1 Mbit/s

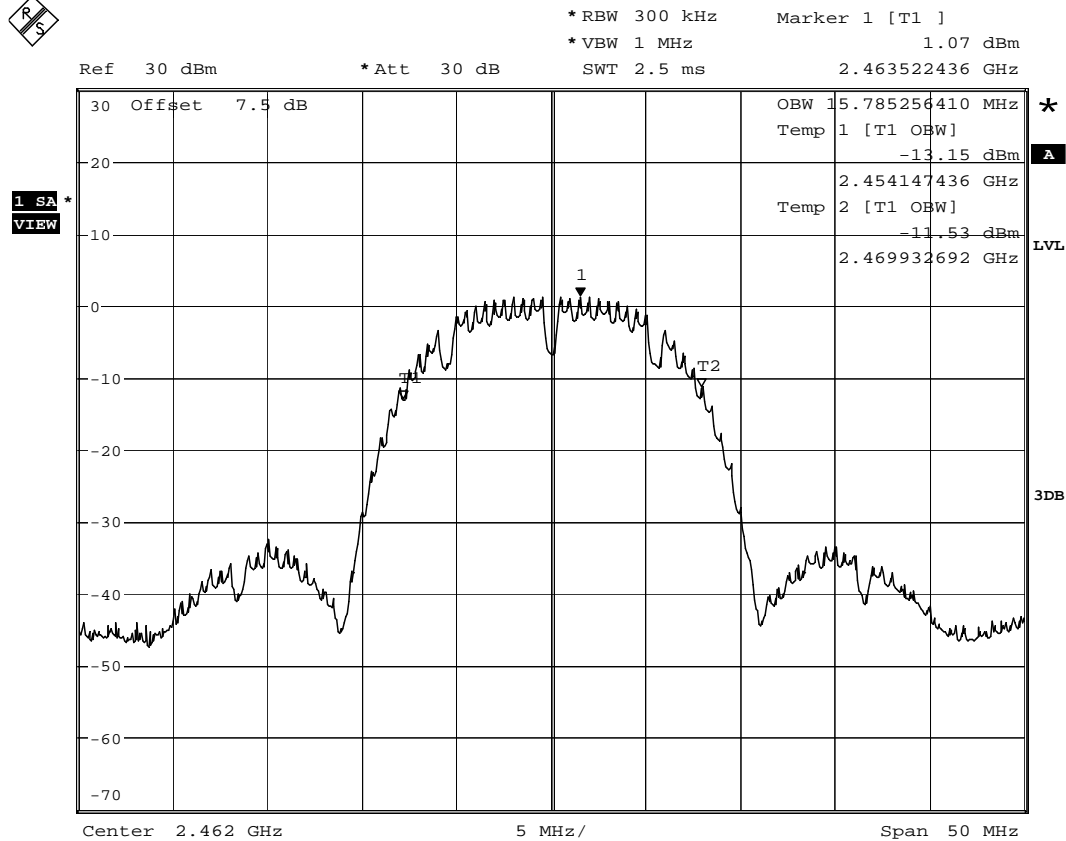


Occupied bandwidth: 15865.4 KHz

Date: 30.NOV.2010 10:55:48

**RSS Gen
Occupied Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 2462 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	DSSS / 1 Mbit/s

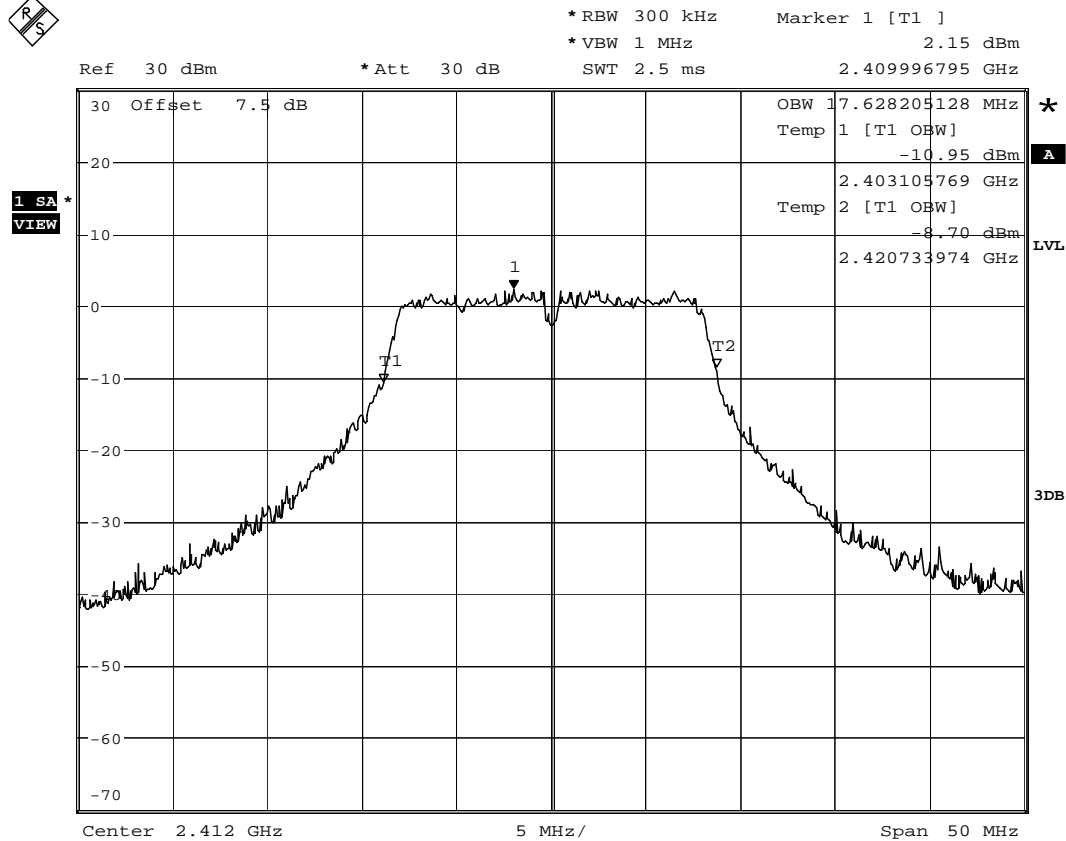


Occupied bandwidth: 15785.3 KHz

Date: 30.NOV.2010 10:57:56

**RSS Gen
Occupied Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 2412 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 6 Mbit/s

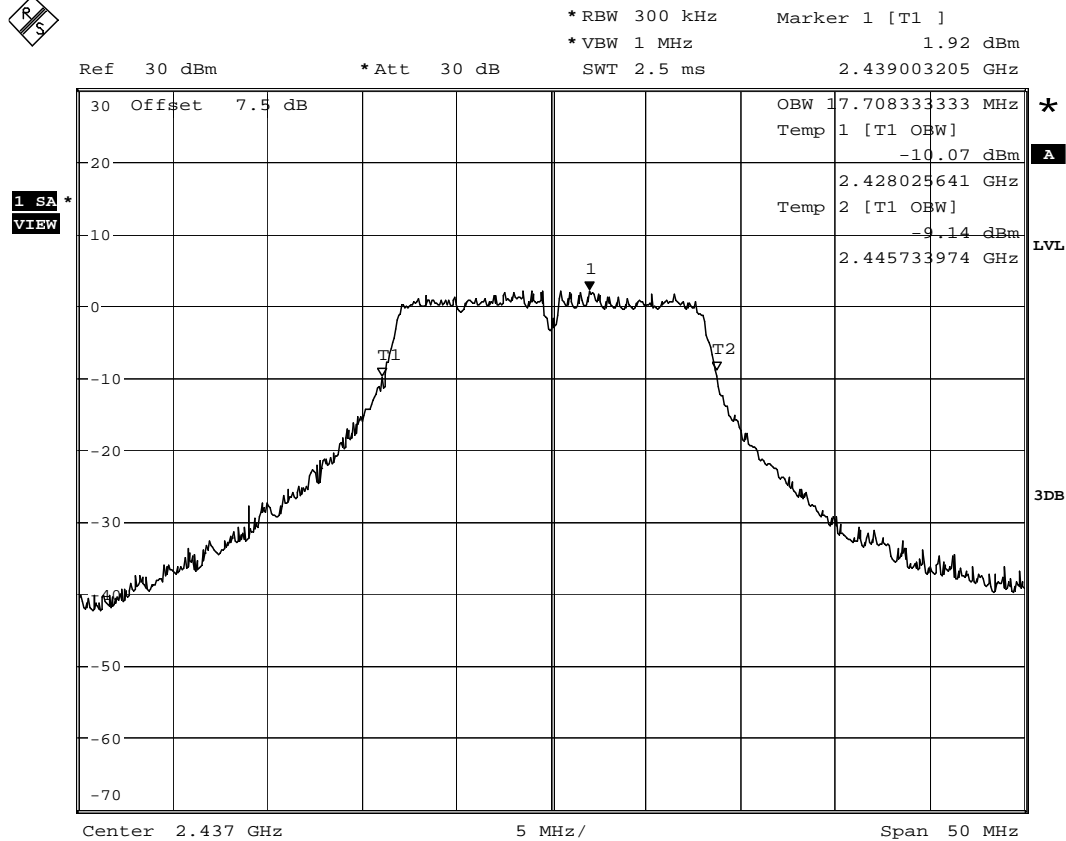


Occupied bandwidth: 17628.2 KHz

Date: 30.NOV.2010 11:04:06

**RSS Gen
Occupied Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 2437 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 6 Mbit/s



Occupied bandwidth: 17708.3 KHz

Date: 30.NOV.2010 11:02:12

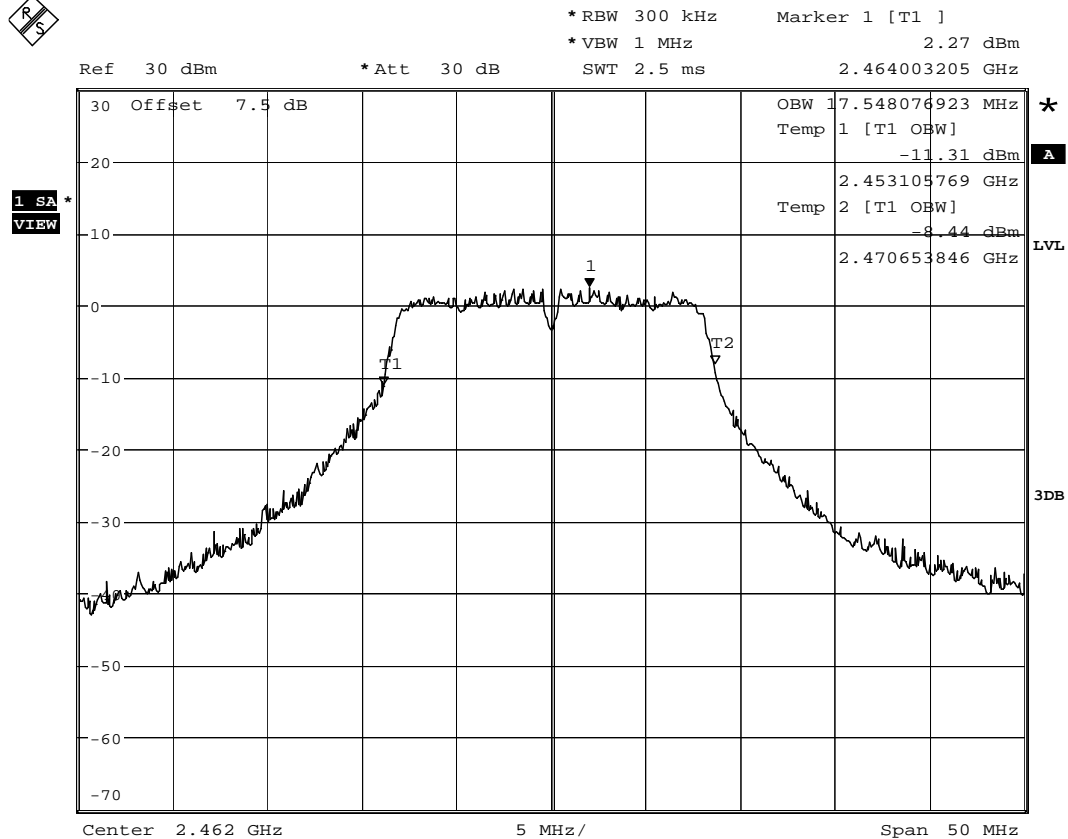
Test Report No.: G0M21011-3883-P-15

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**RSS Gen
Occupied Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 2462 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 6 Mbit/s



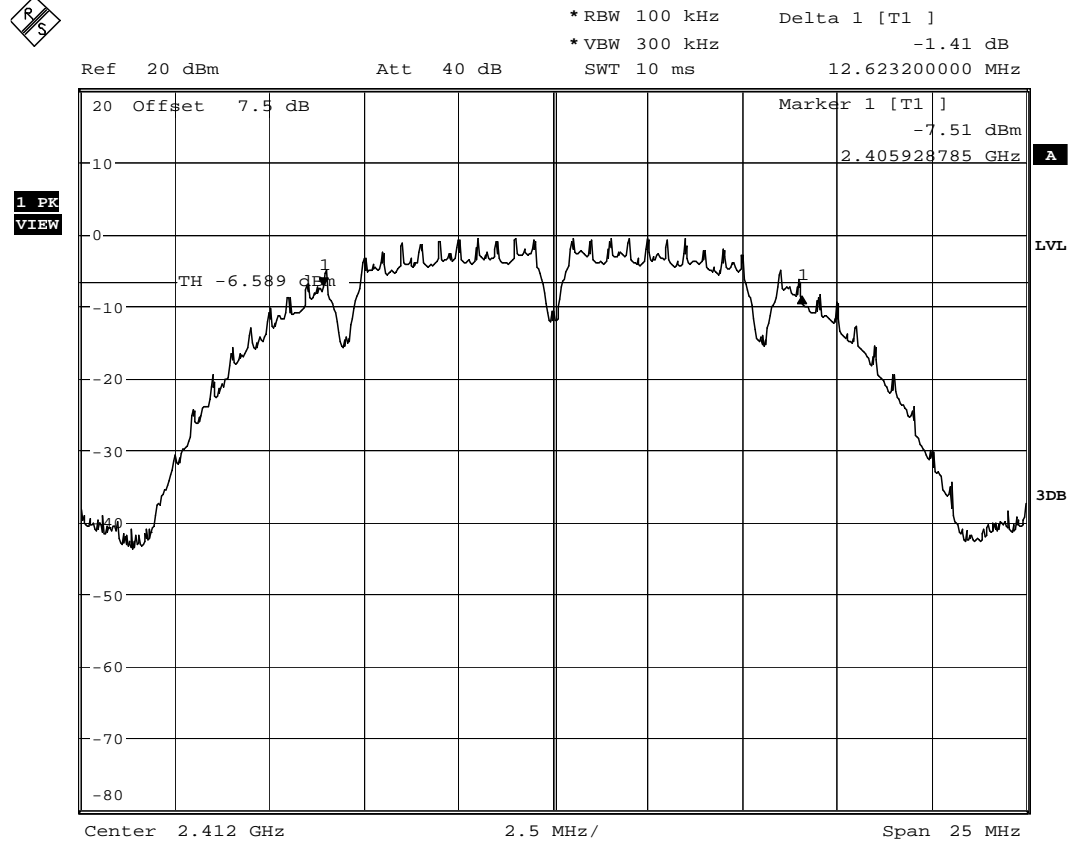
Occupied bandwidth: 17548.1 KHz

Date: 30.NOV.2010 10:59:58

Annex C Transmitter 6dB bandwidth

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2412 MHz
Comment 3	DSSS, power level 12, 1 Mbit/s



6 dB bandwidth: 12623.2 KHz > 500 KHz; verdict: PASS

Date: 30.NOV.2010 08:40:32

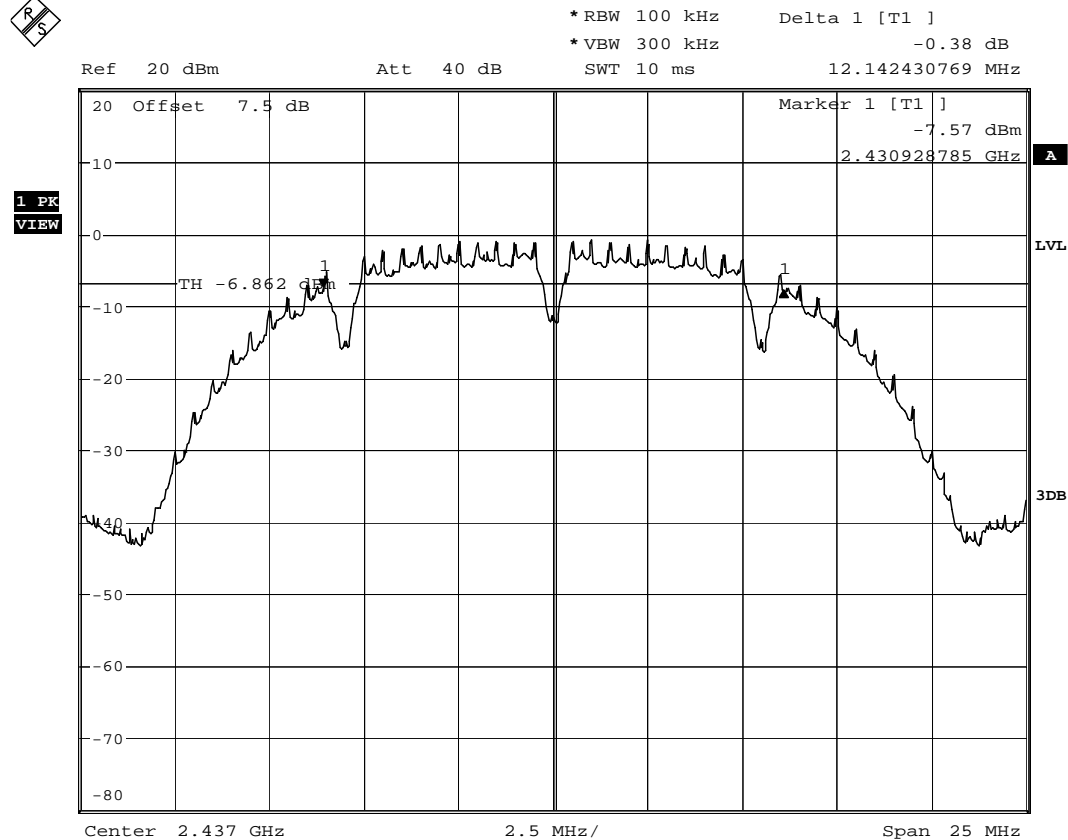
Test Report No.: G0M21011-3883-P-15

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Storkower Str. 38c, D-15526 Reichenwalde, Germany

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**FCC part 15.247 (a)2
Minimum 6 dB Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2437 MHz
Comment 3	DSSS, power level 12, 1 Mbit/s

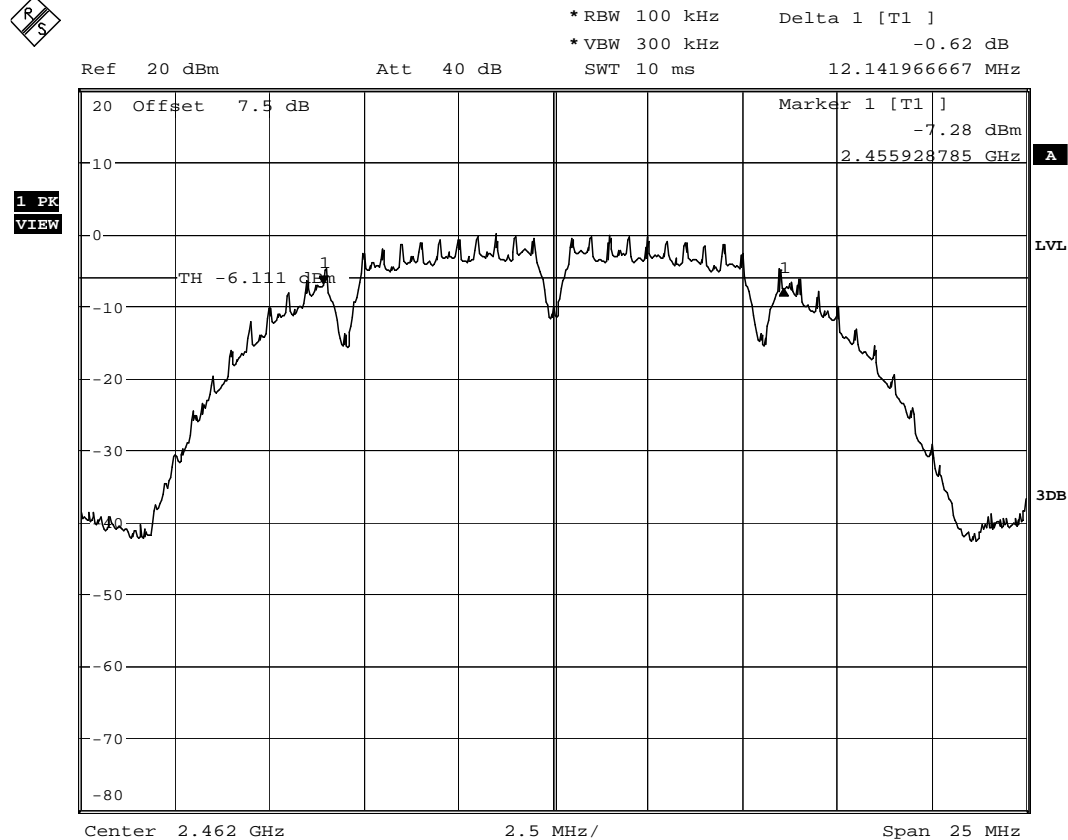


6 dB bandwidth: 12142.4 KHz > 500 KHz; verdict: PASS

Date: 30.NOV.2010 08:47:39

**FCC part 15.247 (a)2
Minimum 6 dB Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2462 MHz
Comment 3	DSSS, power level 12, 1 Mbit/s

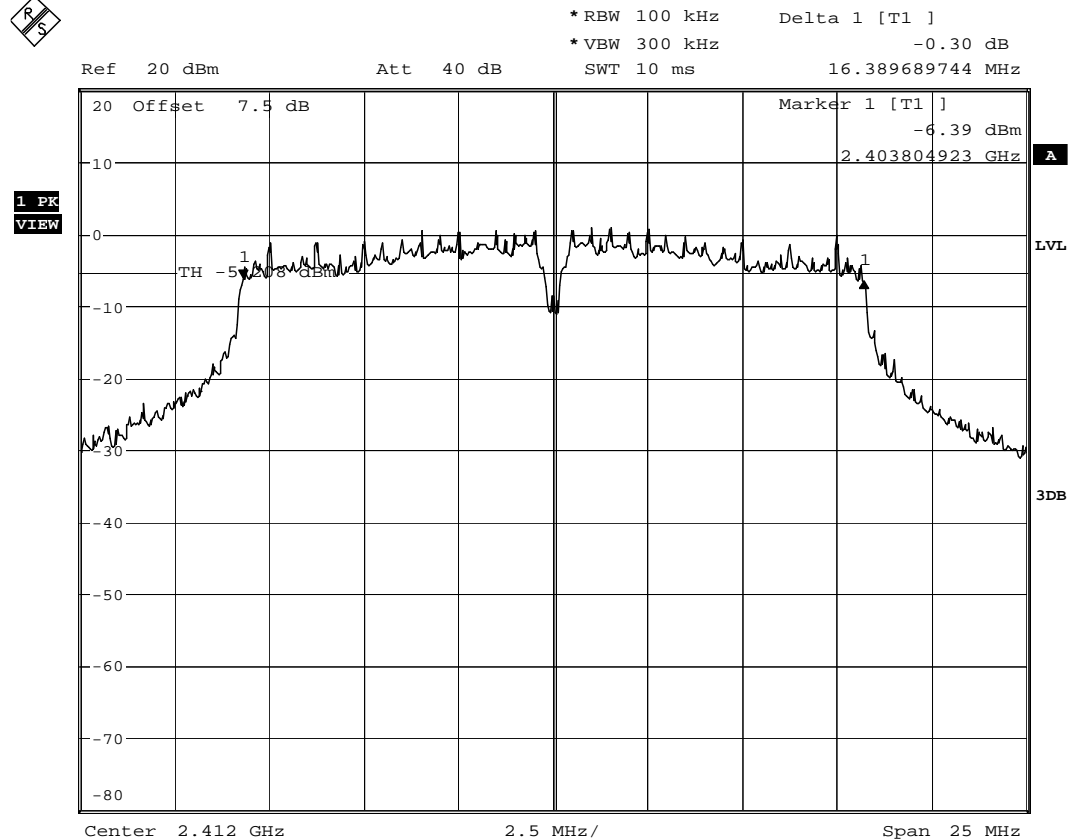


6 dB bandwidth: 12142 KHz > 500 KHz; verdict: PASS

Date: 30.NOV.2010 08:57:42

**FCC part 15.247 (a)2
Minimum 6 dB Bandwidth**

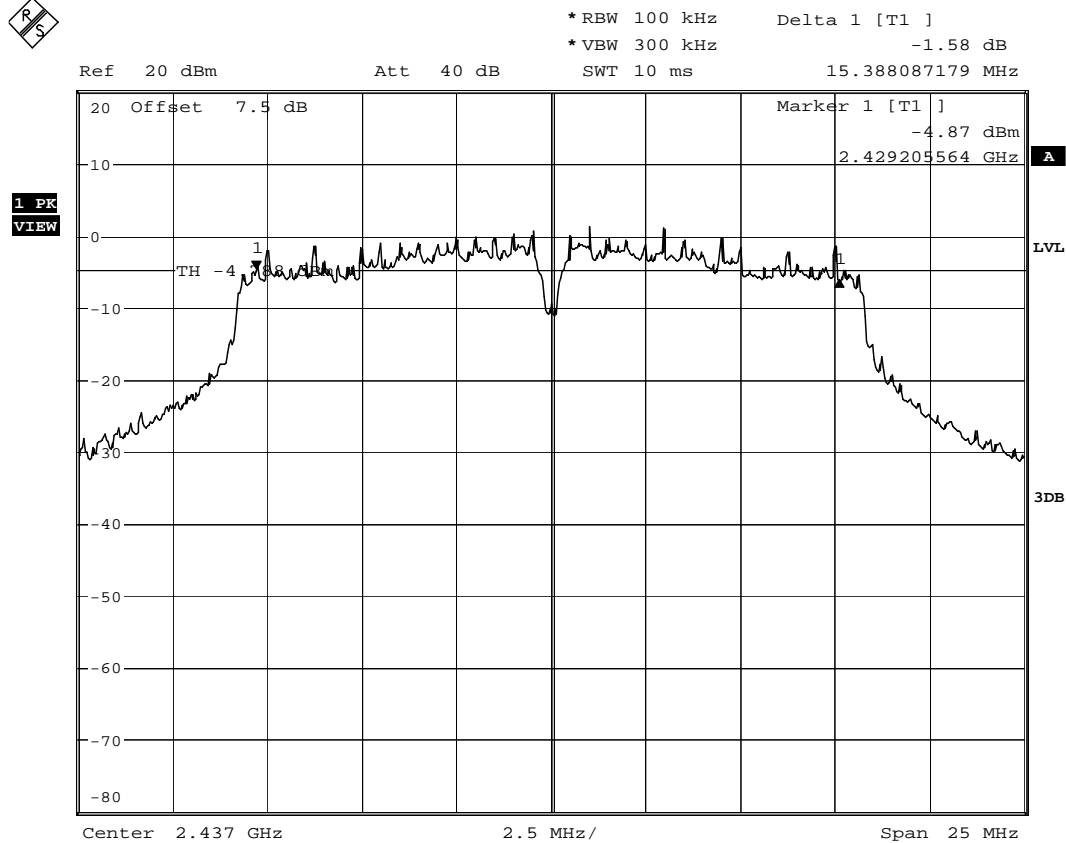
EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2412 MHz
Comment 3	OFDM, power level 12, 6 Mbit/s



6 dB bandwidth: 16389.7 KHz > 500 KHz; verdict: PASS
 Date: 30.NOV.2010 09:15:26

**FCC part 15.247 (a)2
Minimum 6 dB Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2437 MHz
Comment 3	OFDM, power level 12, 6 Mbit/s

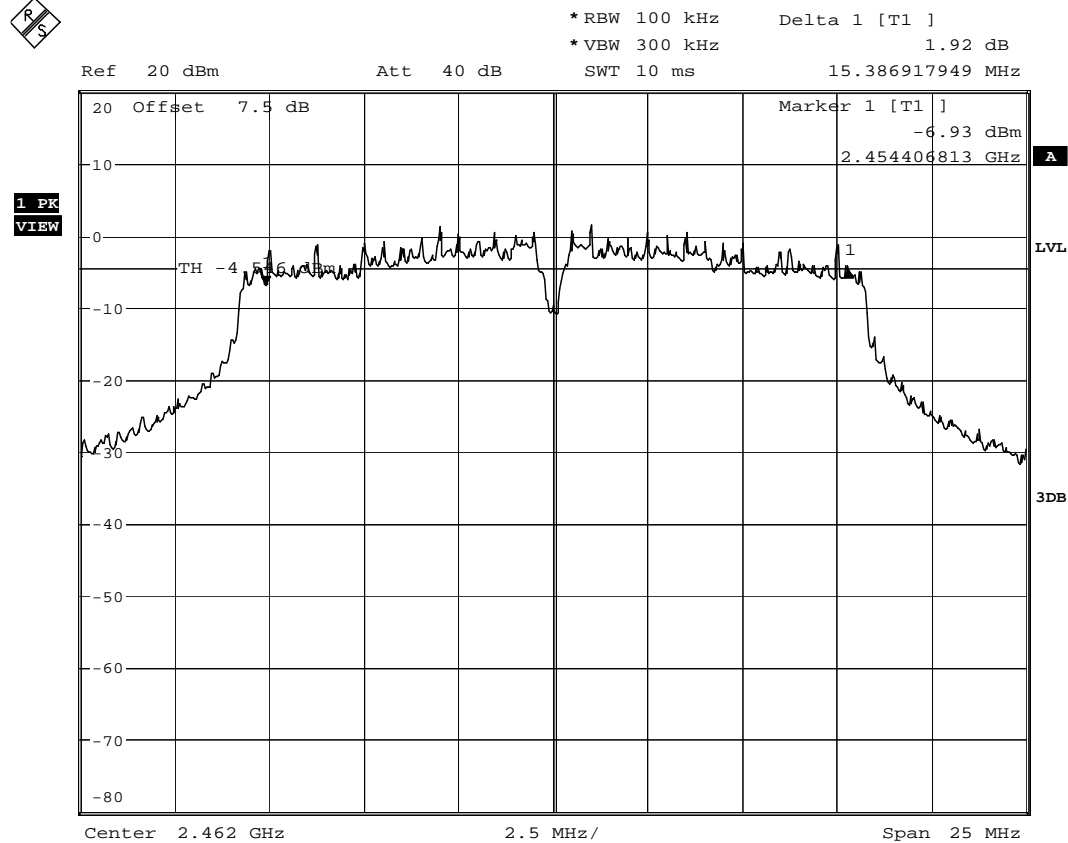


6 dB bandwidth: 15388.1 KHz > 500 KHz; verdict: PASS

Date: 30.NOV.2010 09:09:55

**FCC part 15.247 (a)2
Minimum 6 dB Bandwidth**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2462 MHz
Comment 3	OFDM, power level 12, 6 Mbit/s



6 dB bandwidth: 15386.9 KHz > 500 KHz; verdict: PASS

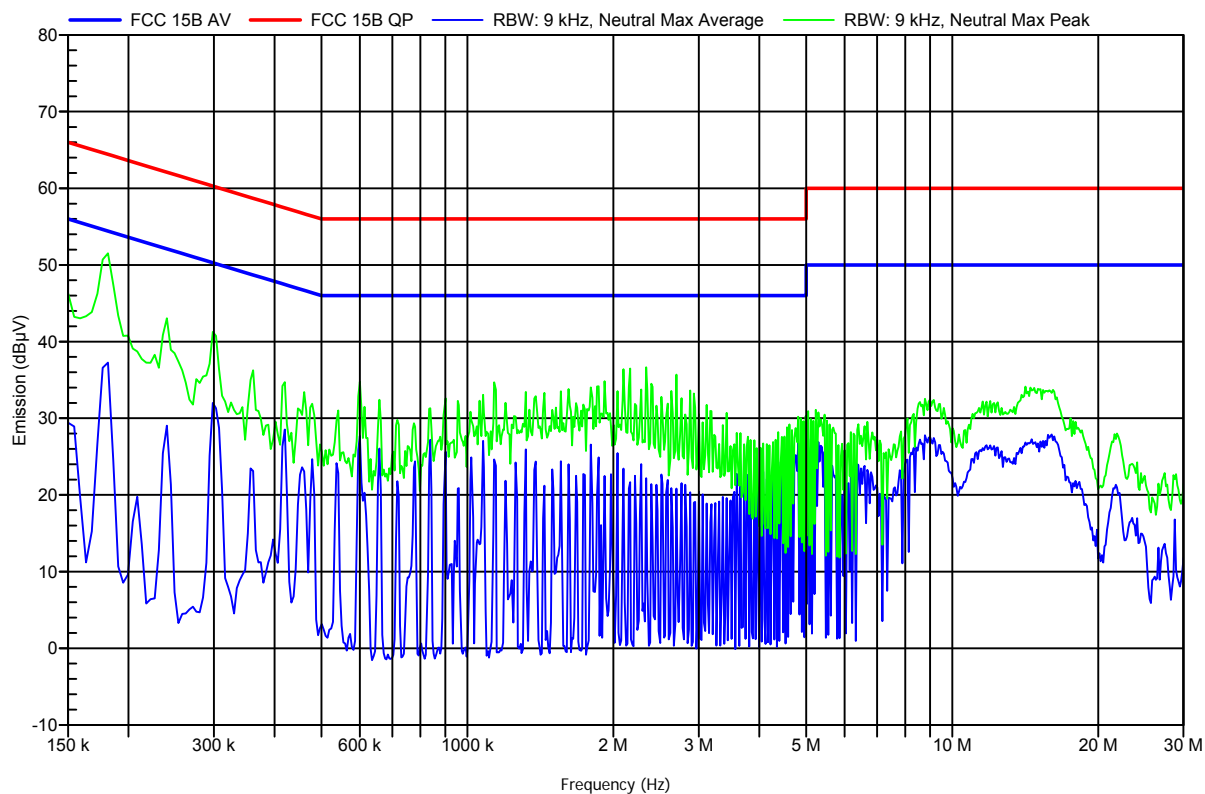
Date: 30.NOV.2010 09:02:23

Annex D AC Powerline Conducted Emissions

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

Ordernumber: G0M21011-3883

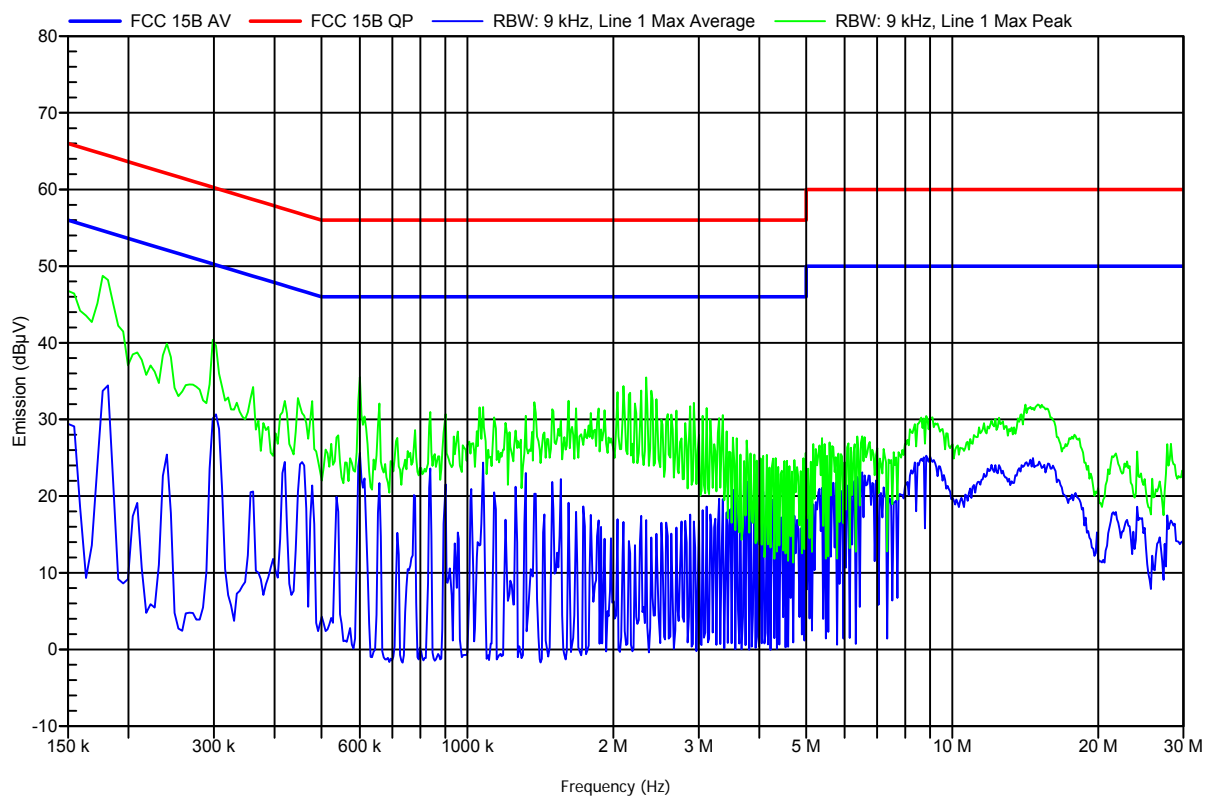
Manufacturer:	Leica Geosystems AG
EUT Name:	Laser Distance Meter
Model:	3D Disto
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Marquardt
Test Conditions:	Tnom: 23°C, Unom: 120VAC
LISN:	ESH2-Z5 N
Mode:	Charging, WLAN + USB link
Test Date:	09.12.2010



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

Ordernumber: G0M21011-3883

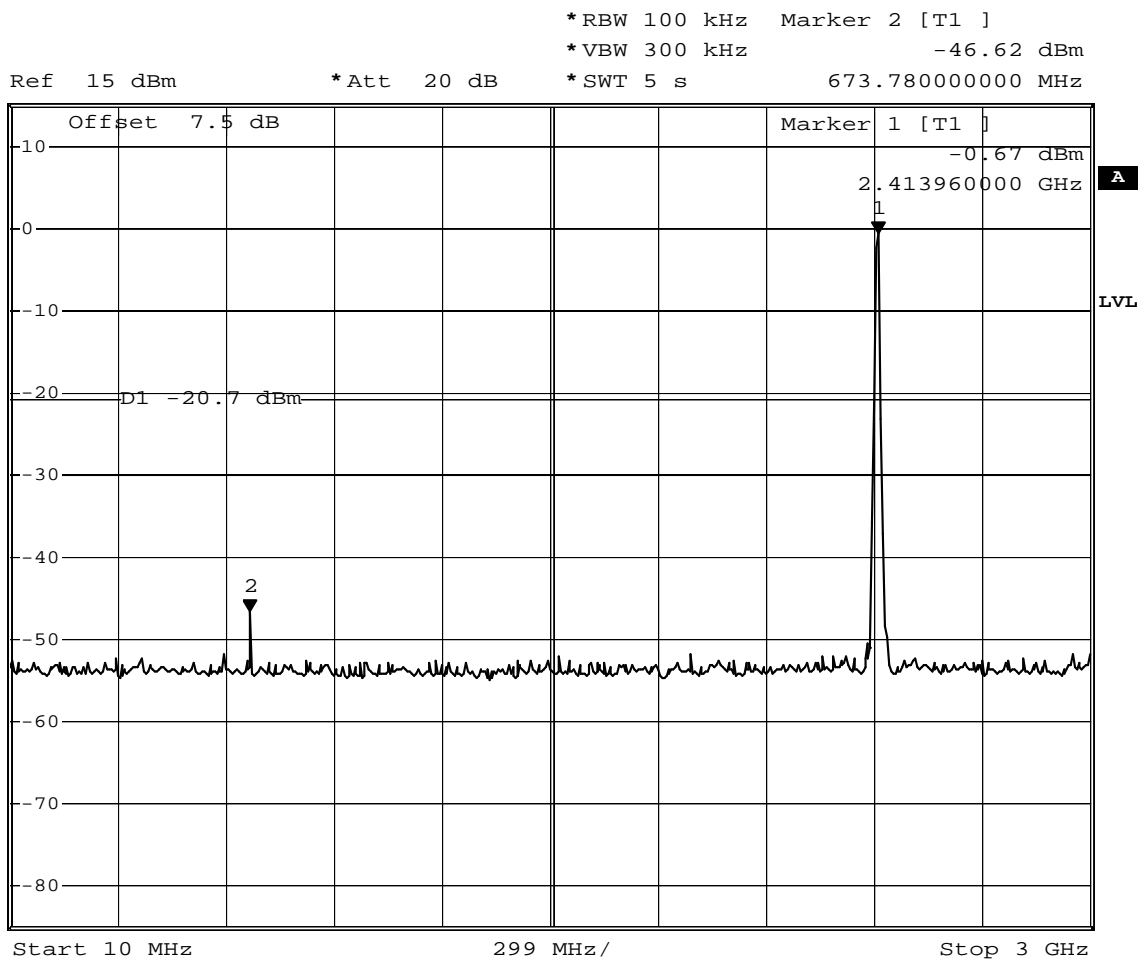
Manufacturer:	Leica Geosystems AG
EUT Name:	Laser Distance Meter
Model:	3D Disto
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Marquardt
Test Conditions:	Tnom: 23°C, Unom: 120VAC
LISN:	ESH2-Z5 L
Mode:	Charging, WLAN + USB link
Test Date:	09.12.2010



Annex E Transmitter conducted spurious emissions

FCC part 15.247 (d) Spurious Emissions

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	DSSS / 1 Mbit/s



Date: 30.NOV.2010 11:56:11

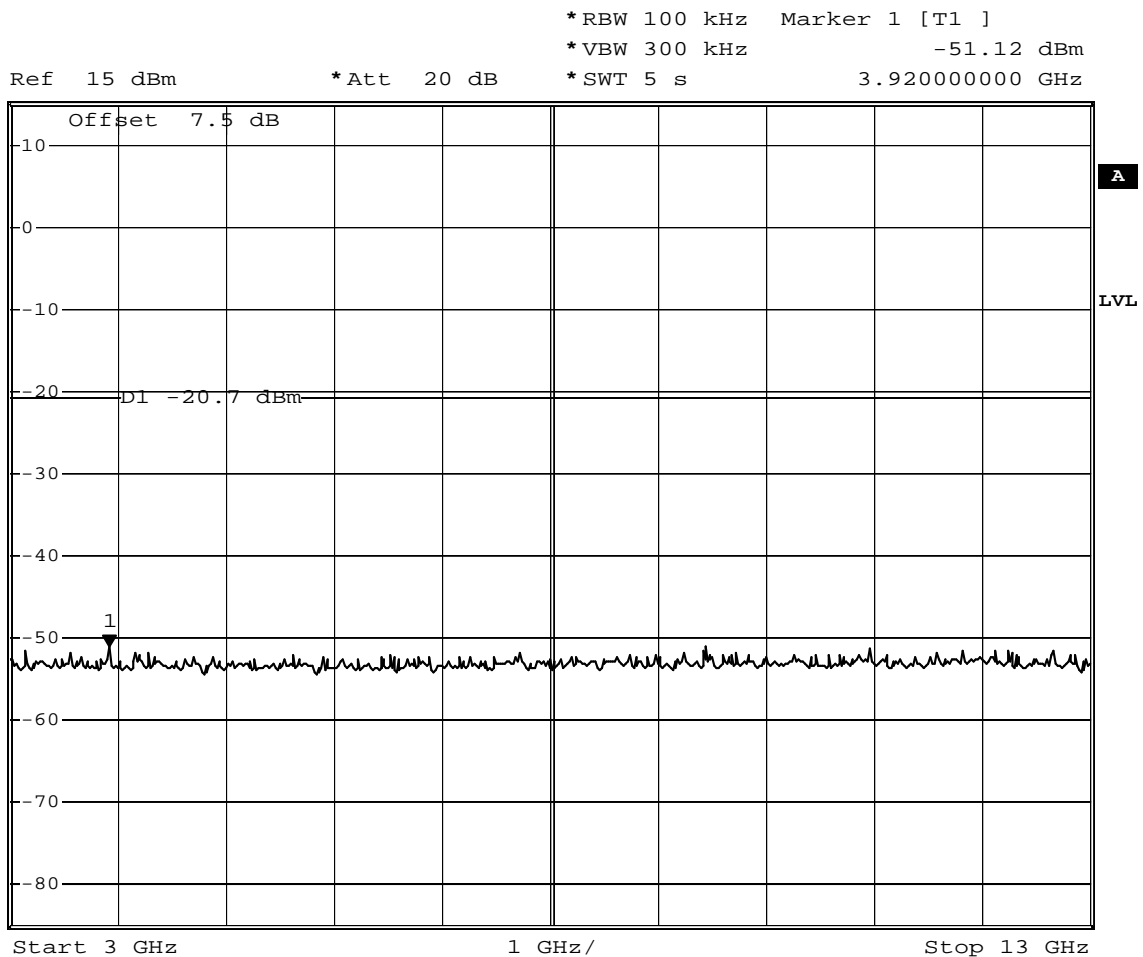
Test Report No.: G0M21011-3883-P-15

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

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**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	DSSS / 1 Mbit/s



Date: 30.NOV.2010 11:57:55

 Test Report No.: G0M21011-3883-P-15

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

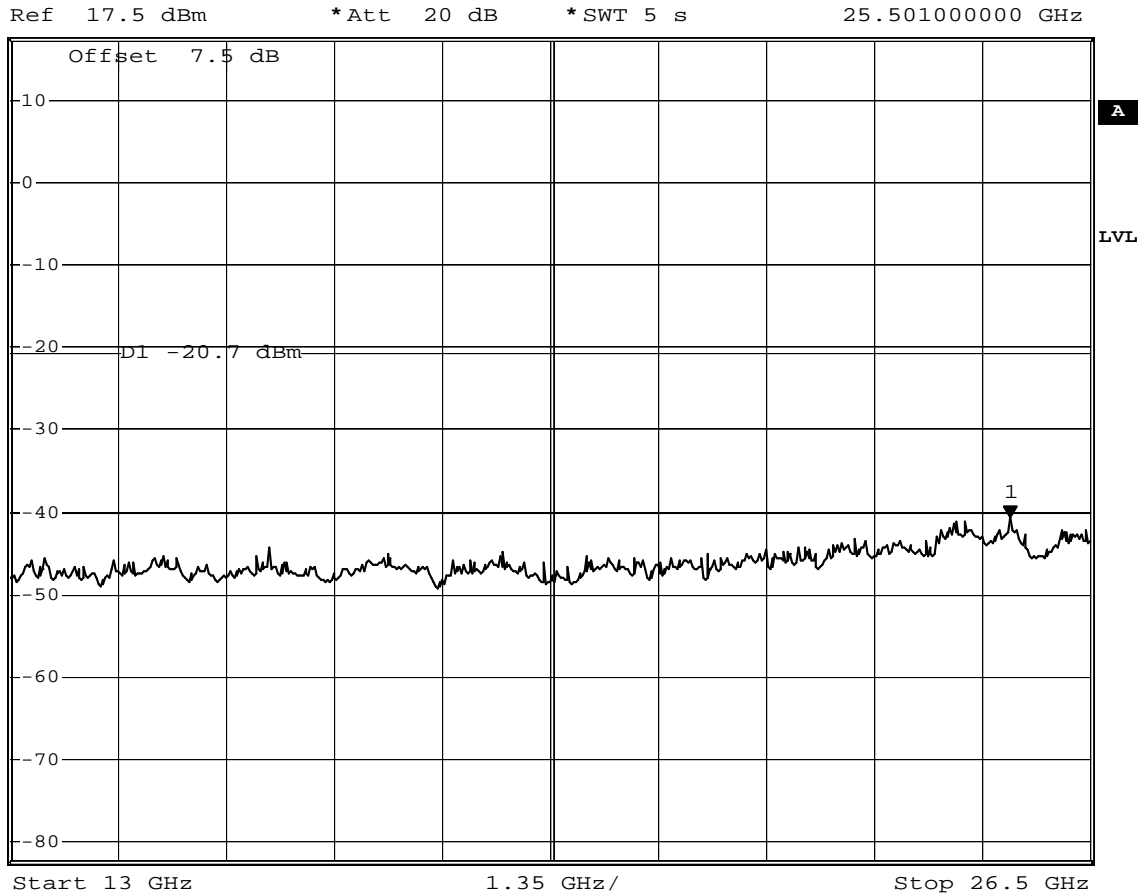
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**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	DSSS / 1 Mbit/s



*RBW 100 kHz Marker 1 [T1]
 *VBW 300 kHz -40.74 dBm
 *SWT 5 s 25.501000000 GHz



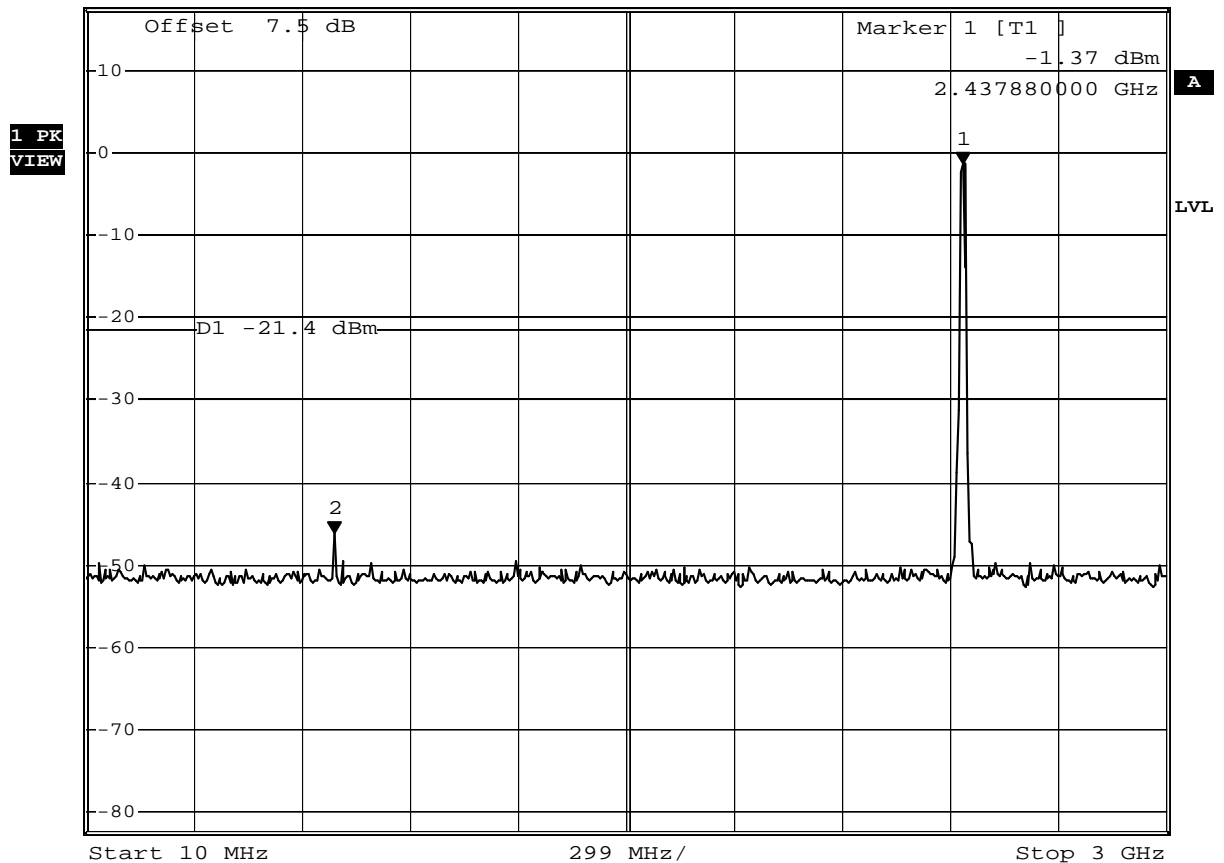
Date: 30.NOV.2010 13:16:04

**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	DSSS / 1 Mbit/s



Ref 17.5 dBm	*Att 20 dB	*RBW 100 kHz	Marker 2 [T1]
		*VBW 300 kHz	-46.16 dBm
		*SWT 5 s	697.70000000 MHz



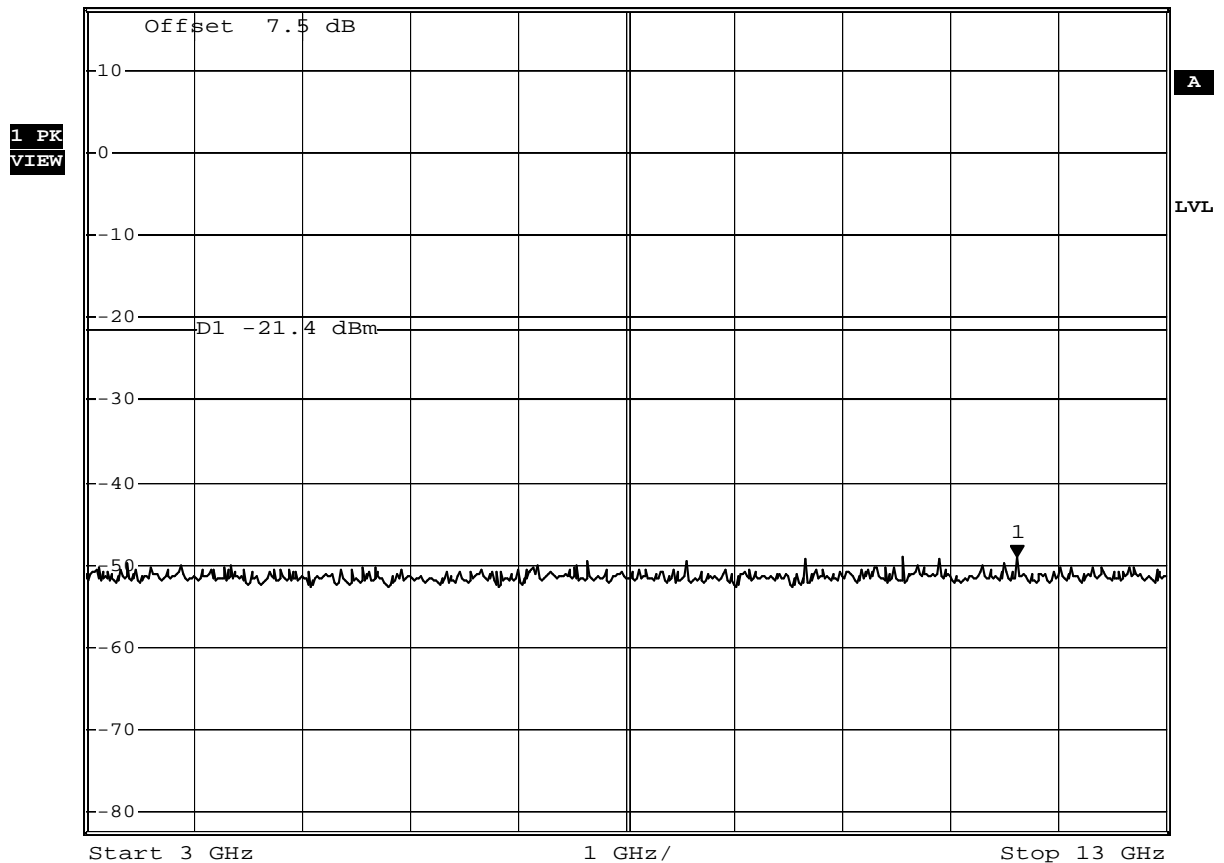
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**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	DSSS / 1 Mbit/s



*RBW 100 kHz Marker 1 [T1]
 *VBW 300 kHz -49.02 dBm
 *SWT 5 s 11.62000000 GHz
 Ref 17.5 dBm *Att 20 dB



Date: 30.NOV.2010 13:19:50

Test Report No.: G0M21011-3883-P-15

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

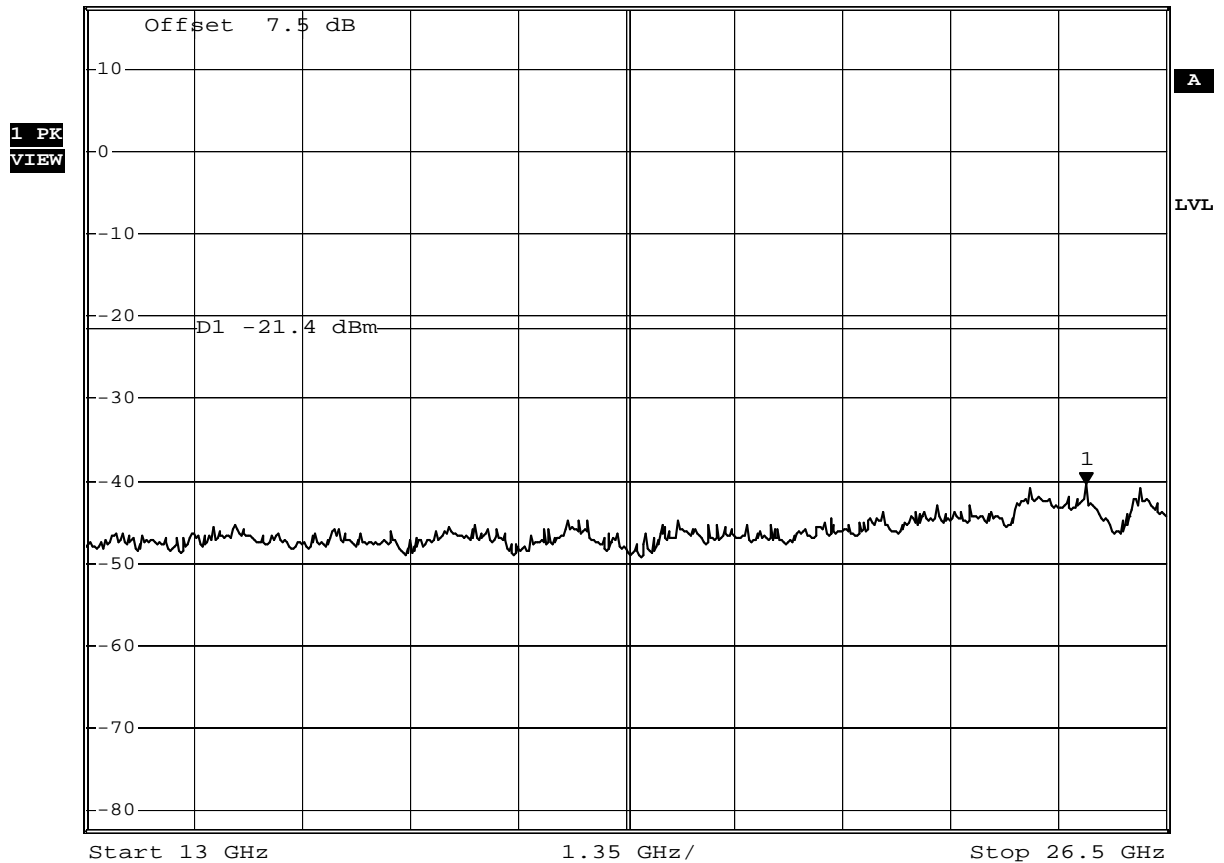
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**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	DSSS / 1 Mbit/s



*RBW 100 kHz Marker 1 [T1]
 *VBW 300 kHz -40.32 dBm
 Ref 17.5 dBm *Att 20 dB *SWT 5 s 25.501000000 GHz



Date: 30.NOV.2010 13:21:07

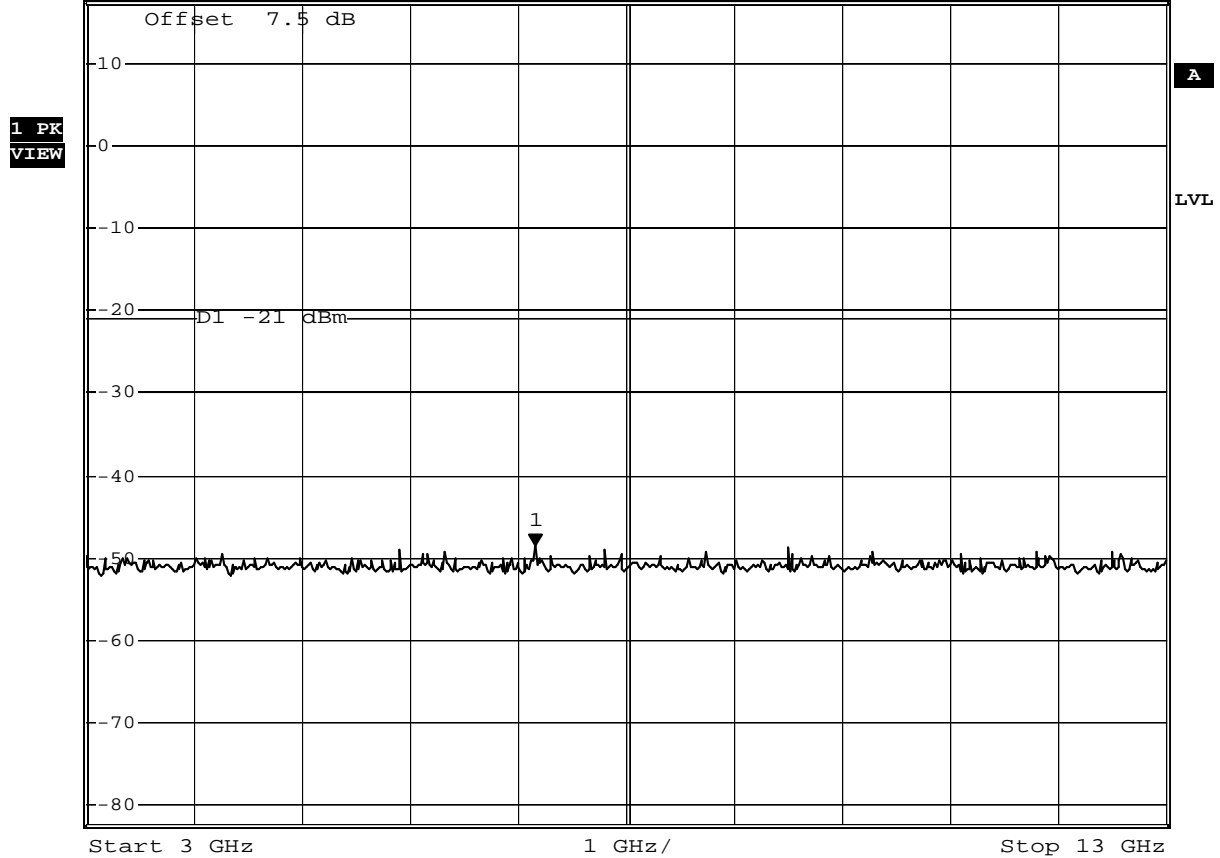
**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	DSSS / 1 Mbit/s



*RBW 100 kHz Marker 1 [T1]
 *VBW 300 kHz -48.41 dBm
 *SWT 5 s 7.160000000 GHz

Ref 17.5 dBm *Att 20 dB



Date: 30.NOV.2010 13:34:36

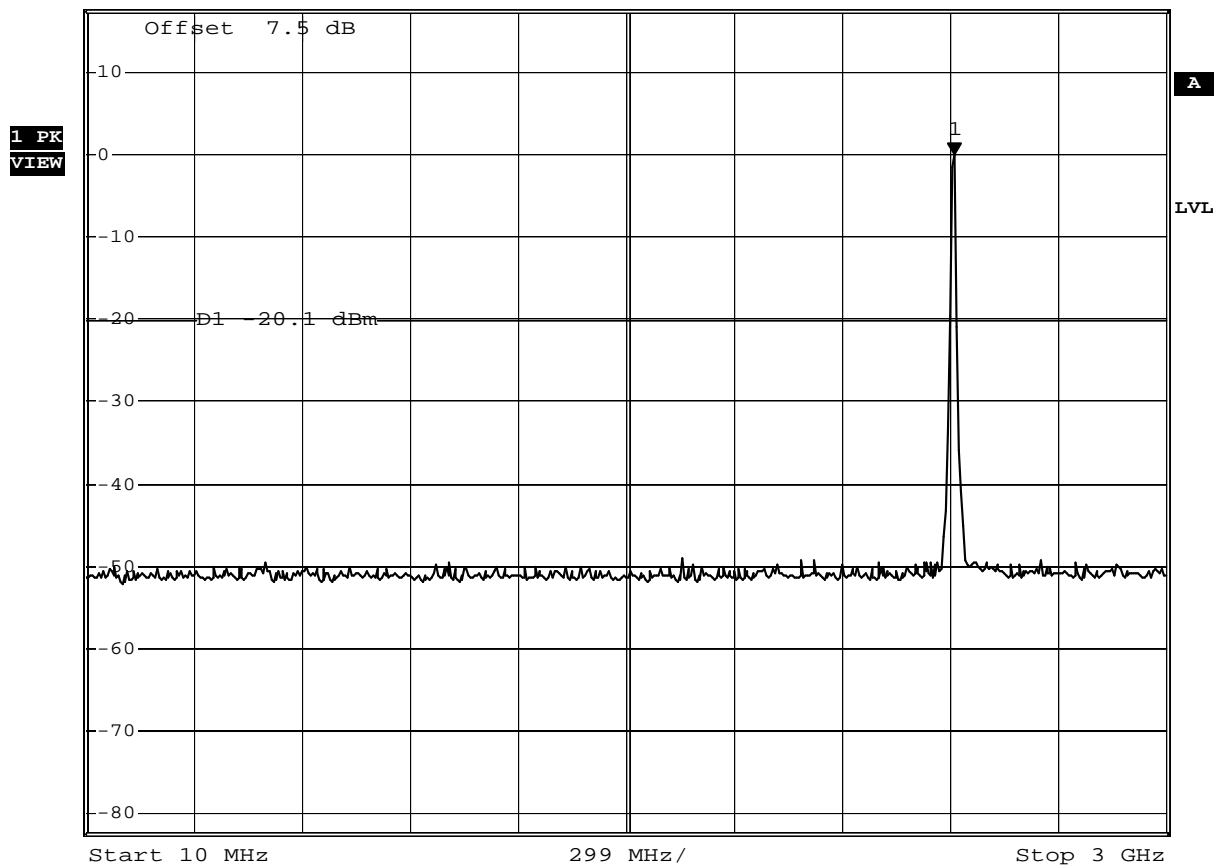
Test Report No.: G0M21011-3883-P-15

**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	OFDM / 6 Mbit/s



*RBW 100 kHz Marker 1 [T1]
 *VBW 300 kHz -0.07 dBm
 *SWT 5 s 2.413960000 GHz
 Ref 17.5 dBm *Att 20 dB



Date: 30.NOV.2010 13:49:30

Test Report No.: G0M21011-3883-P-15

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

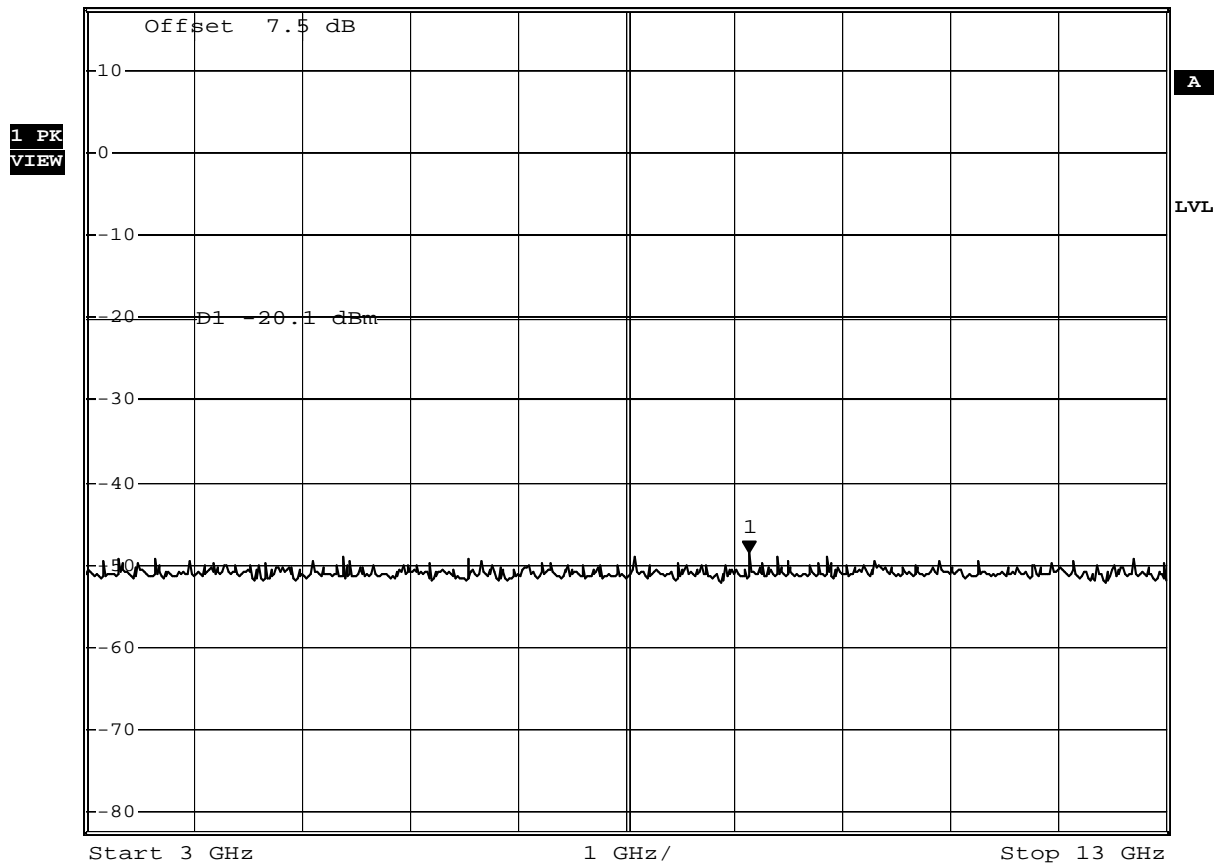
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**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	OFDM / 6 Mbit/s



Ref 17.5 dBm *Att 20 dB *RBW 100 kHz Marker 1 [T1]
 *VBW 300 kHz -48.53 dBm
 *SWT 5 s 9.14000000 GHz



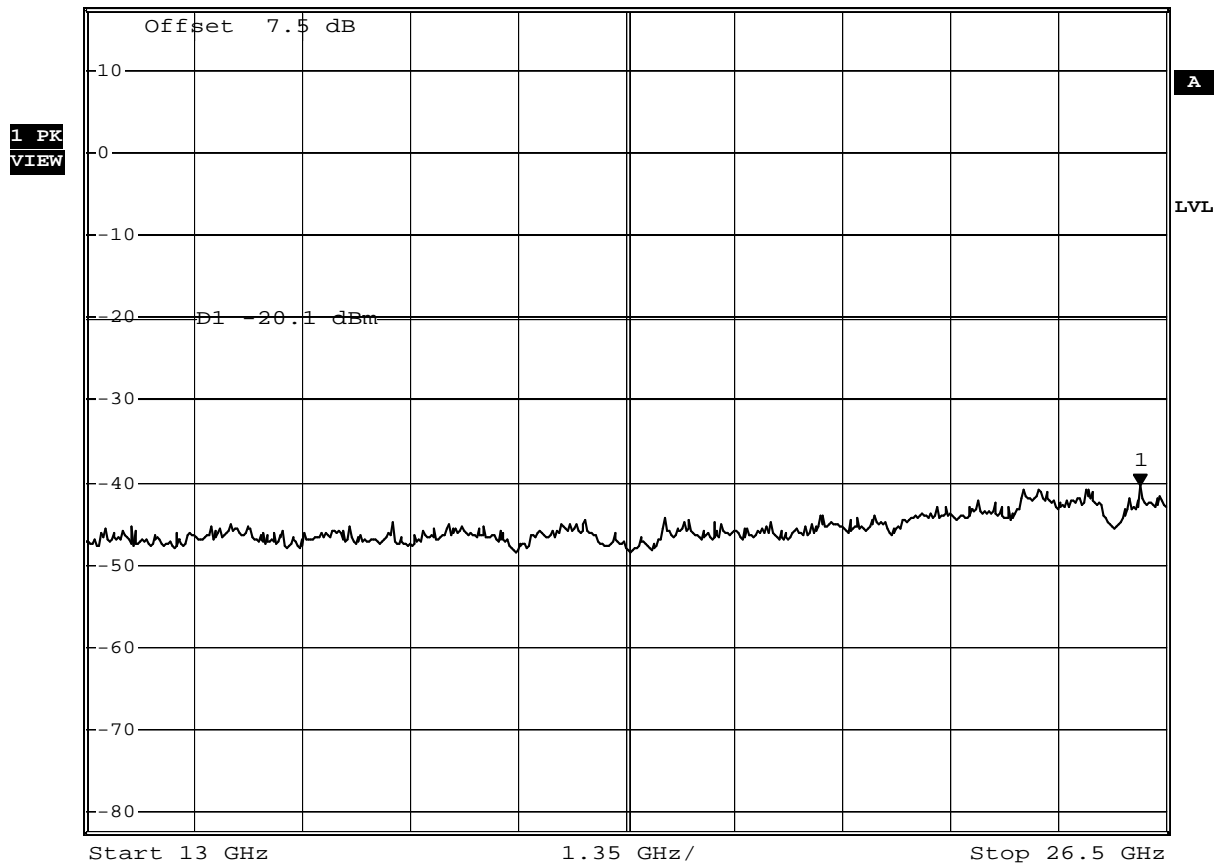
Date: 30.NOV.2010 13:50:36

**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	OFDM / 6 Mbit/s



Ref 17.5 dBm *Att 20 dB *RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -40.40 dBm
*SWT 5 s 26.17600000 GHz



Date: 30.NOV.2010 13:52:22

Test Report No.: G0M21011-3883-P-15

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

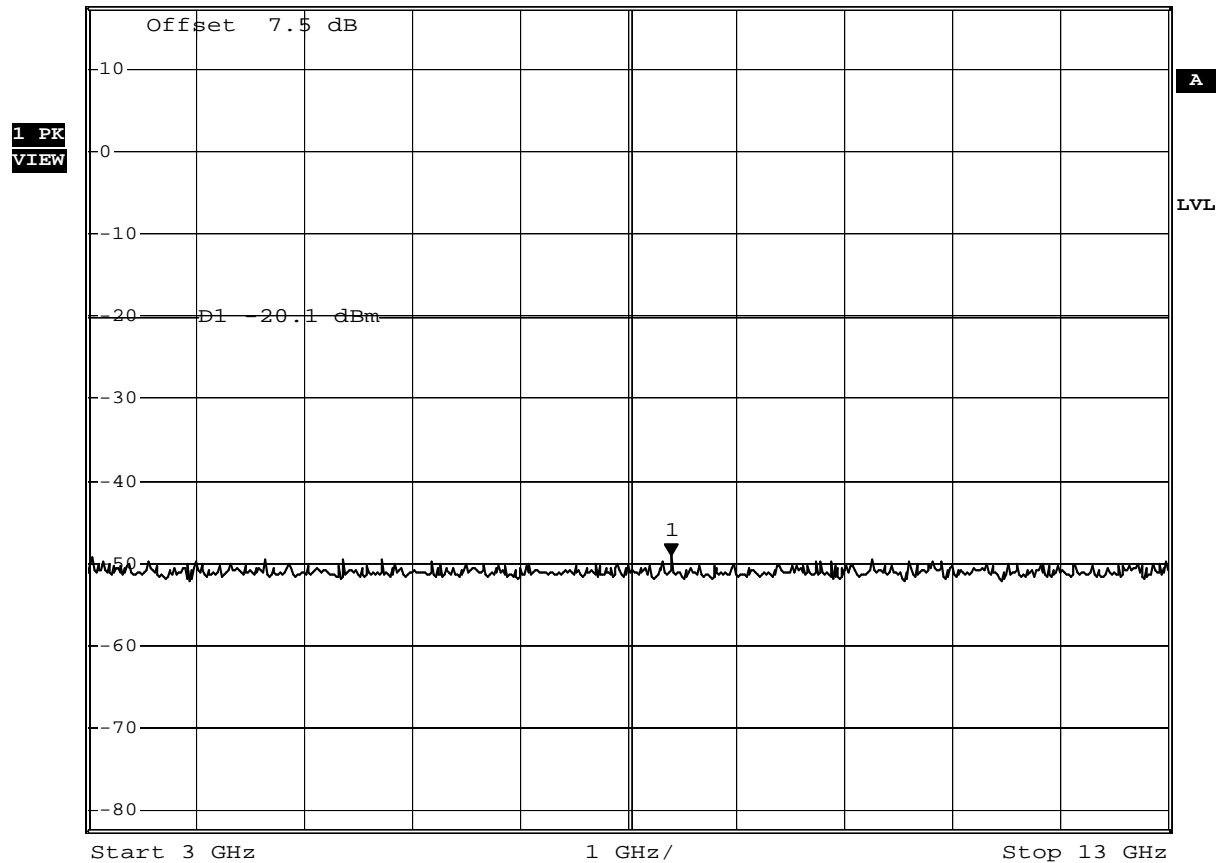
Page 60 of 144

**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	OFDM / 6 Mbit/s



Ref 17.5 dBm	*Att 20 dB	*RBW 100 kHz	Marker 1 [T1]
		*VBW 300 kHz	-49.02 dBm
		*SWT 5 s	8.400000000 GHz



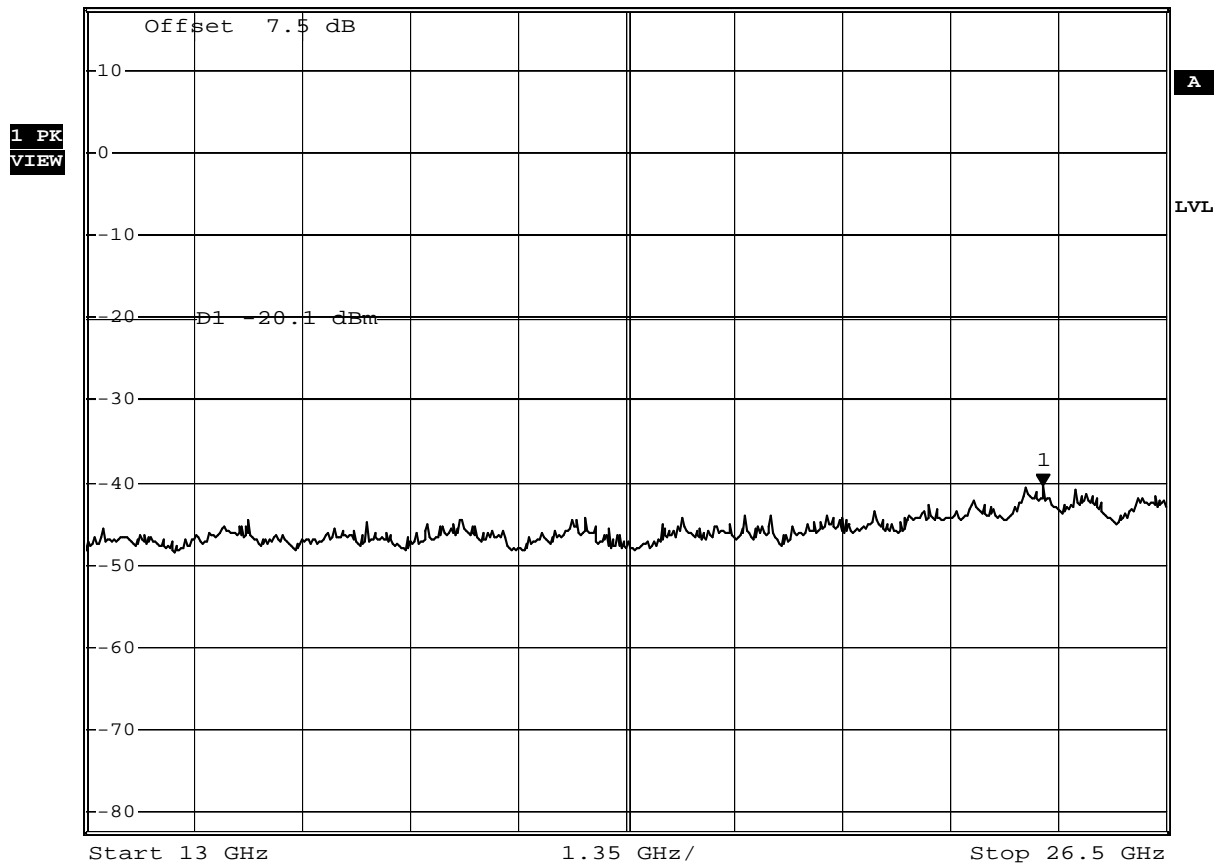
Date: 30.NOV.2010 13:43:52

**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	OFDM / 6 Mbit/s



Ref 17.5 dBm	*Att 20 dB	*RBW 100 kHz	Marker 1 [T1]
		*VBW 300 kHz	-40.35 dBm
		*SWT 5 s	24.961000000 GHz



Date: 30.NOV.2010 13:46:45

Test Report No.: G0M21011-3883-P-15

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

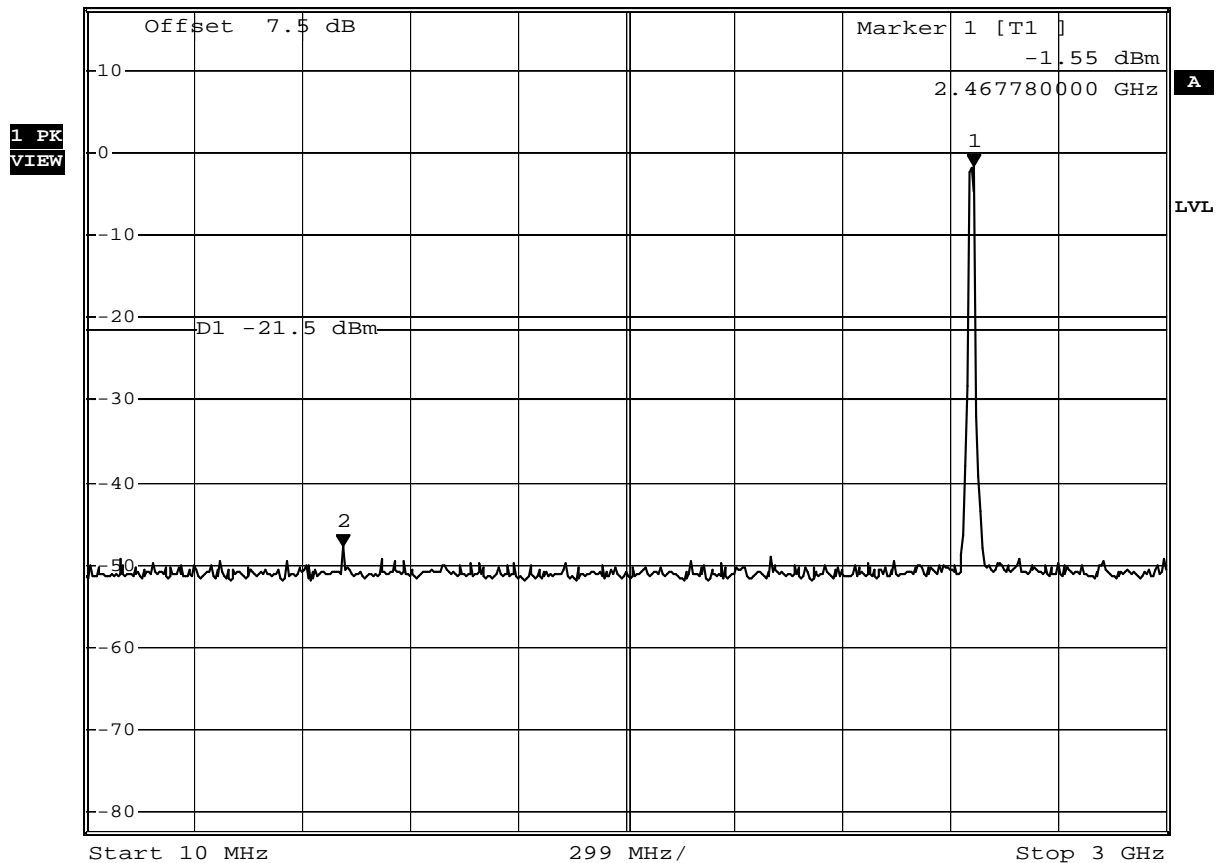
Page 63 of 144

**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	OFDM / 6 Mbit/s



Ref 17.5 dBm	*Att 20 dB	*RBW 100 kHz	Marker 2 [T1]
		*VBW 300 kHz	-47.60 dBm
		*SWT 5 s	721.62000000 MHz



Date: 30.NOV.2010 13:38:16

Test Report No.: G0M21011-3883-P-15

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

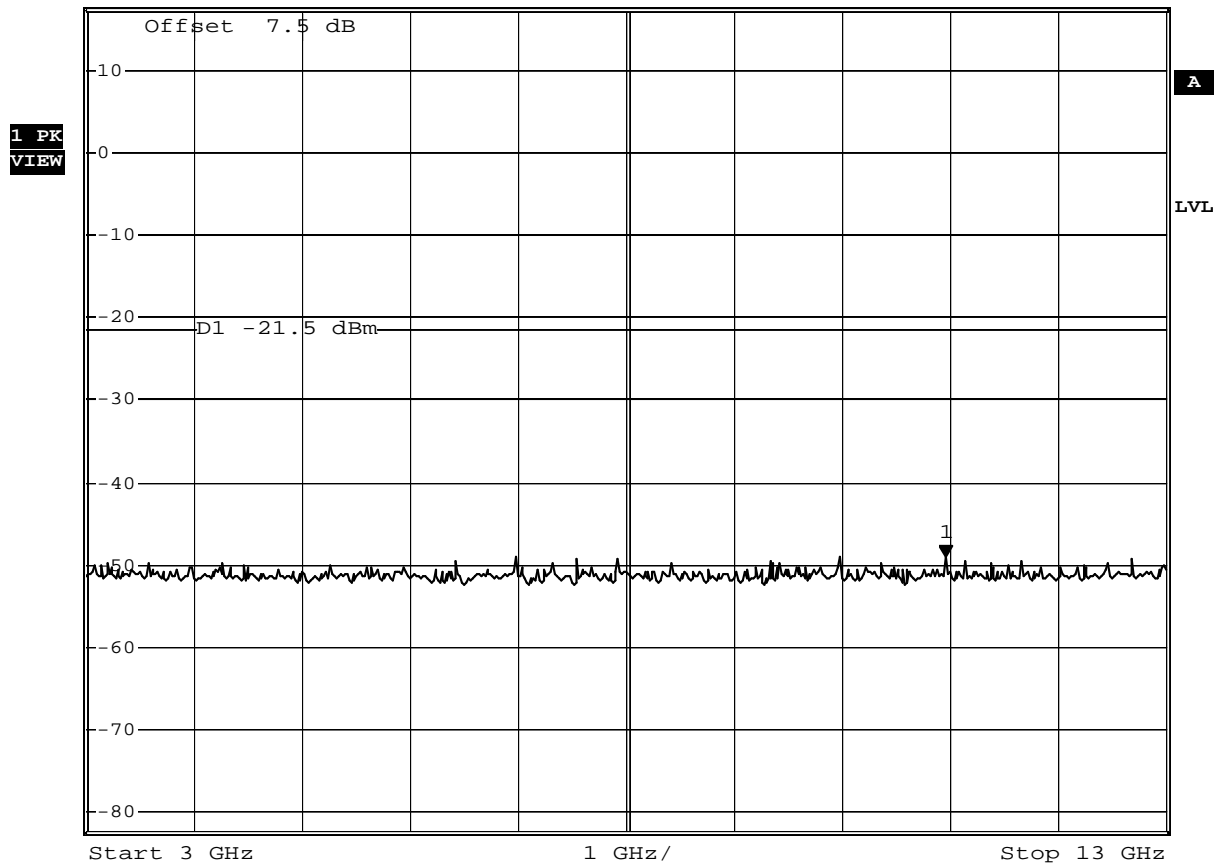
Page 64 of 144

**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	OFDM / 6 Mbit/s



Ref 17.5 dBm	*Att 20 dB	*RBW 100 kHz	Marker 1 [T1]
		*VBW 300 kHz	-48.97 dBm
		*SWT 5 s	10.96000000 GHz



Date: 30.NOV.2010 13:39:35

Test Report No.: G0M21011-3883-P-15

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

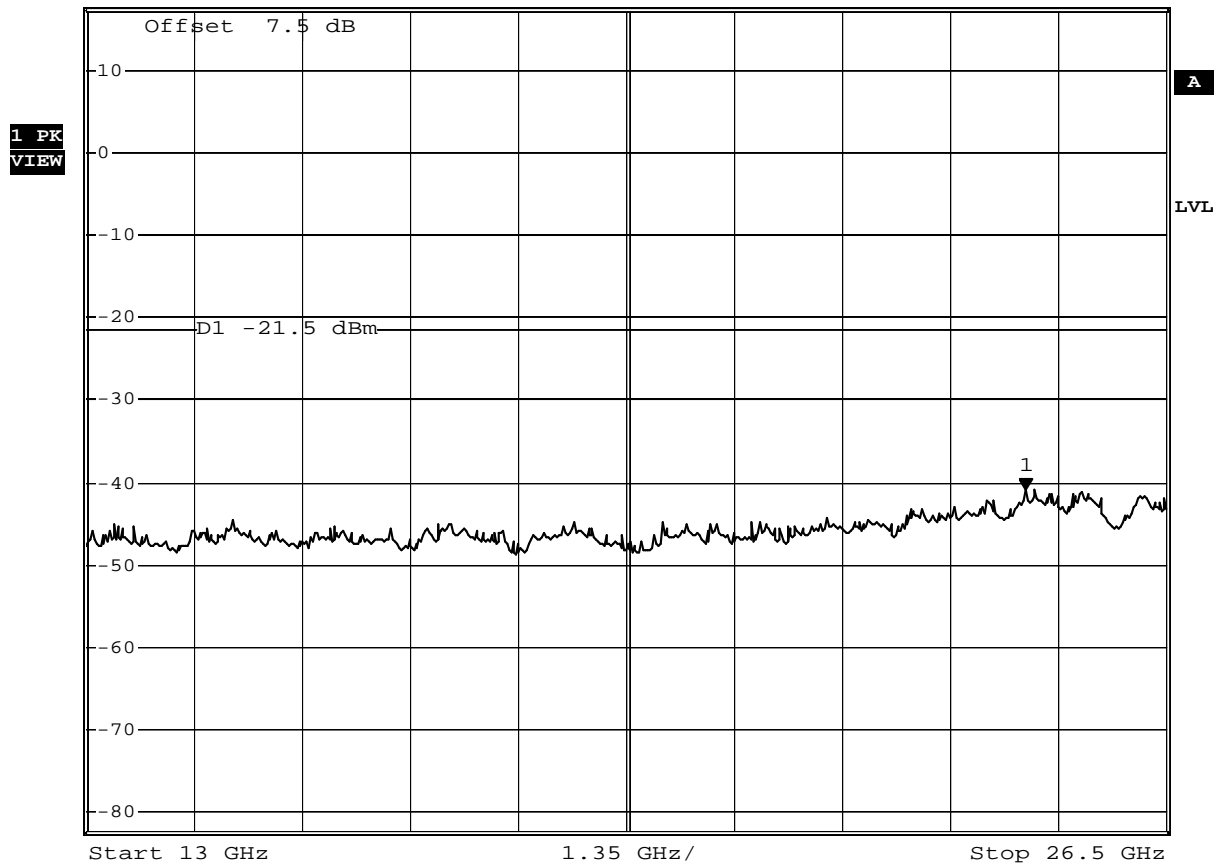
Page 65 of 144

**FCC part 15.247 (d)
Spurious Emissions**

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	OFDM / 6 Mbit/s



Ref 17.5 dBm *Att 20 dB *RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -40.80 dBm
*SWT 5 s 24.74500000 GHz



Date: 30.NOV.2010 13:40:45

Test Report No.: G0M21011-3883-P-15

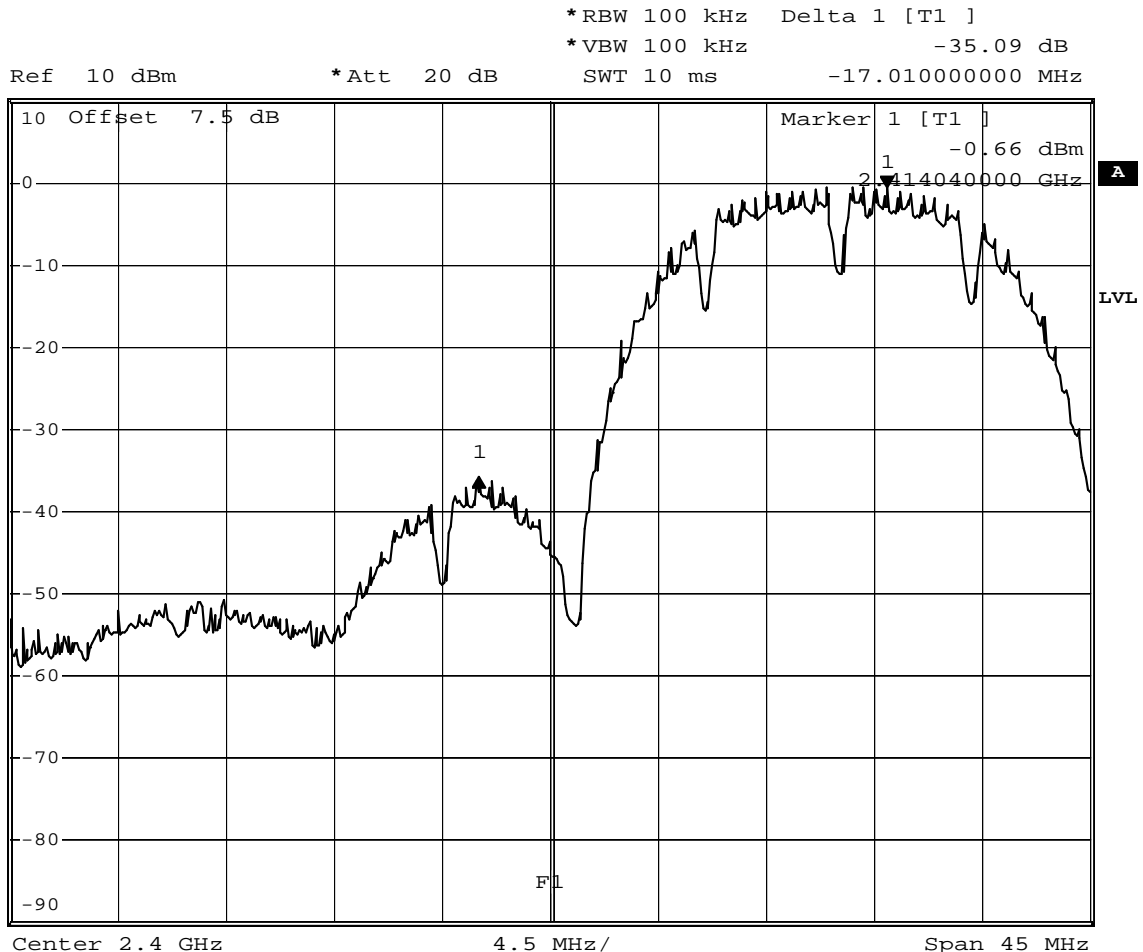
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

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Annex F Band edge compliance

FCC part 15.247 Band-edge compliance of RF conducted emissions

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2412 MHz
Comment 3	DSSS; 1 Mbit/s



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 30.NOV.2010 13:56:41

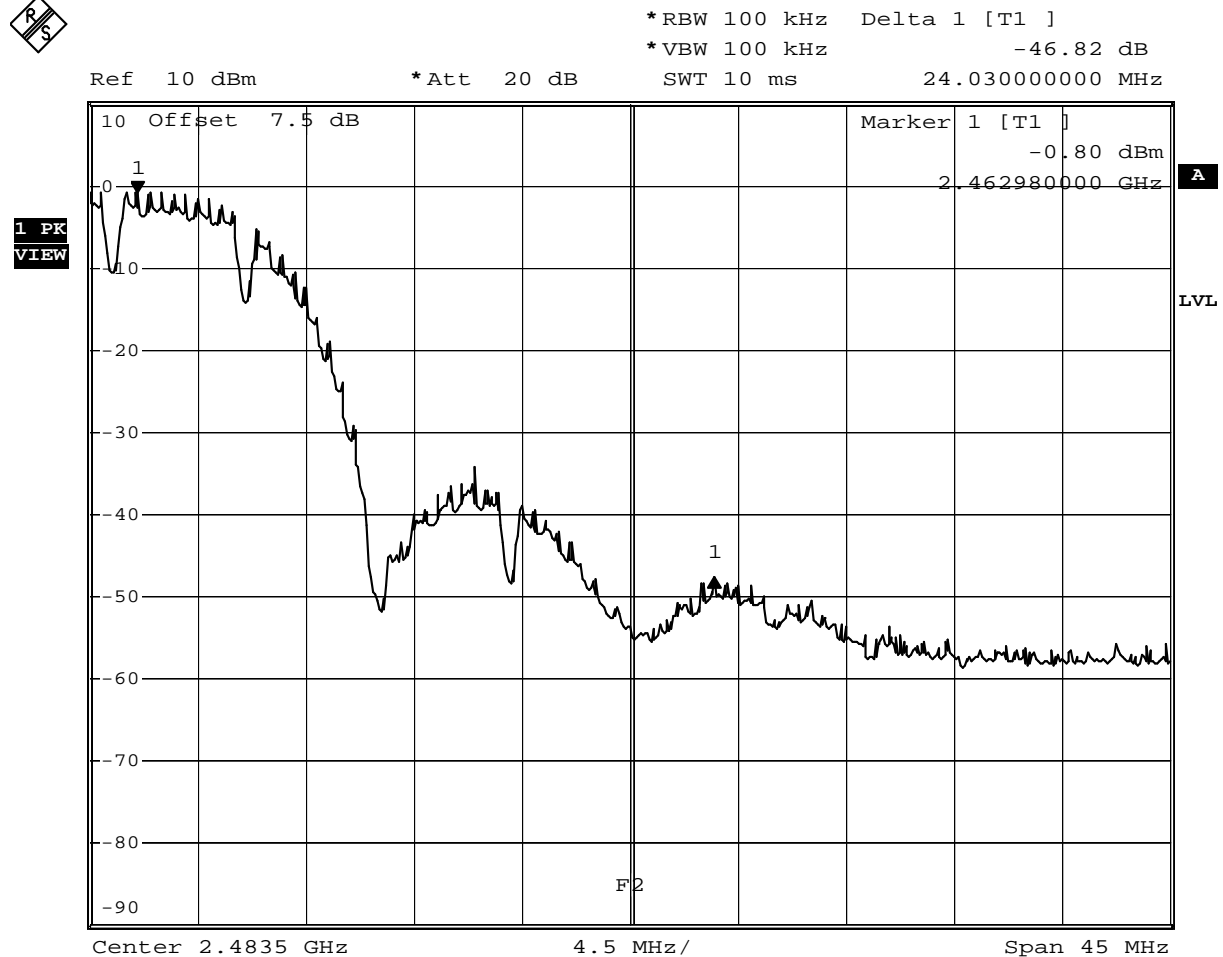
Test Report No.: G0M21011-3883-P-15

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

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FCC part 15.247
Band-edge compliance of RF conducted emissions

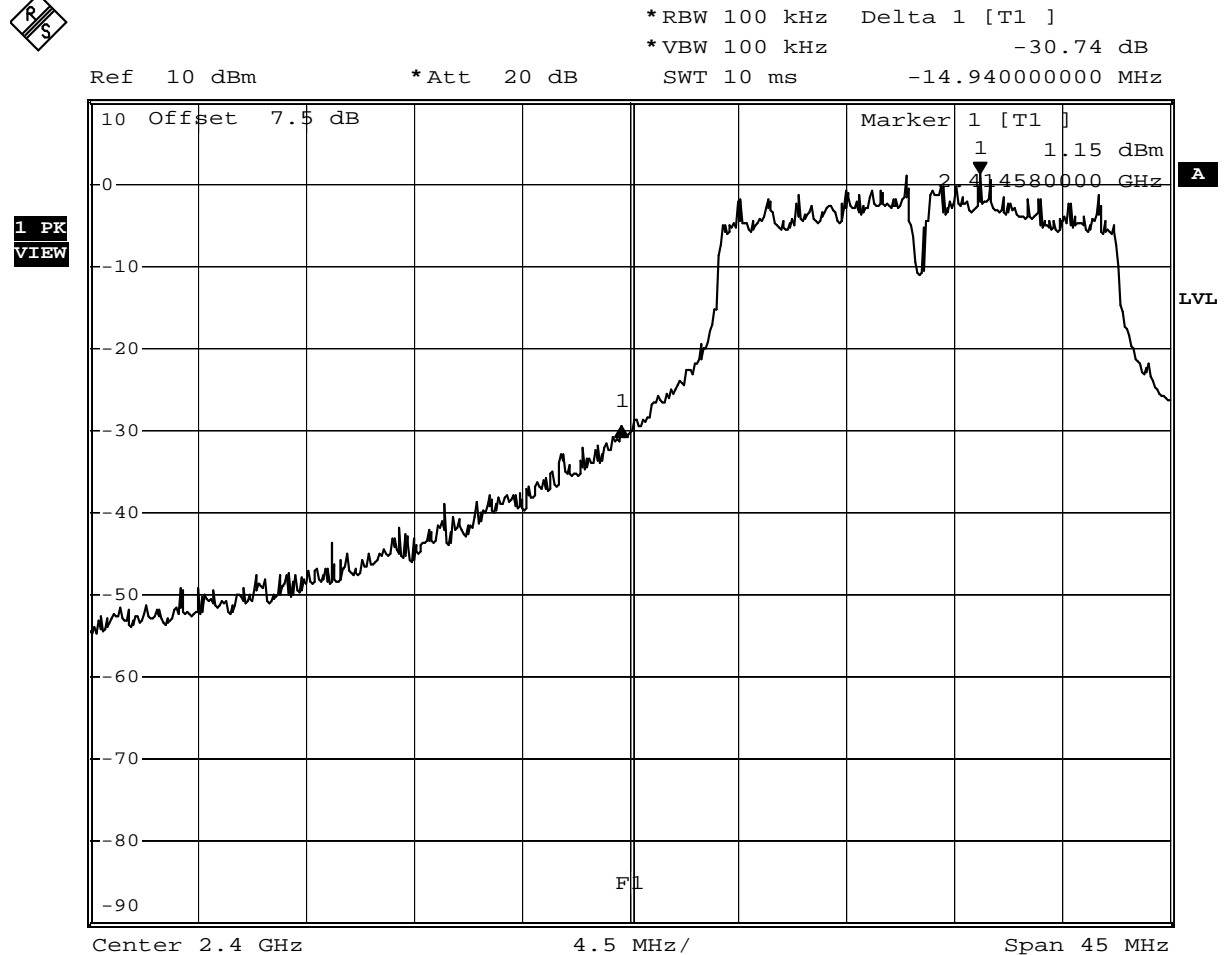
EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2462 MHz
Comment 3	DSSS; 1 Mbit/s



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 30.NOV.2010 14:11:54

FCC part 15.247
Band-edge compliance of RF conducted emissions

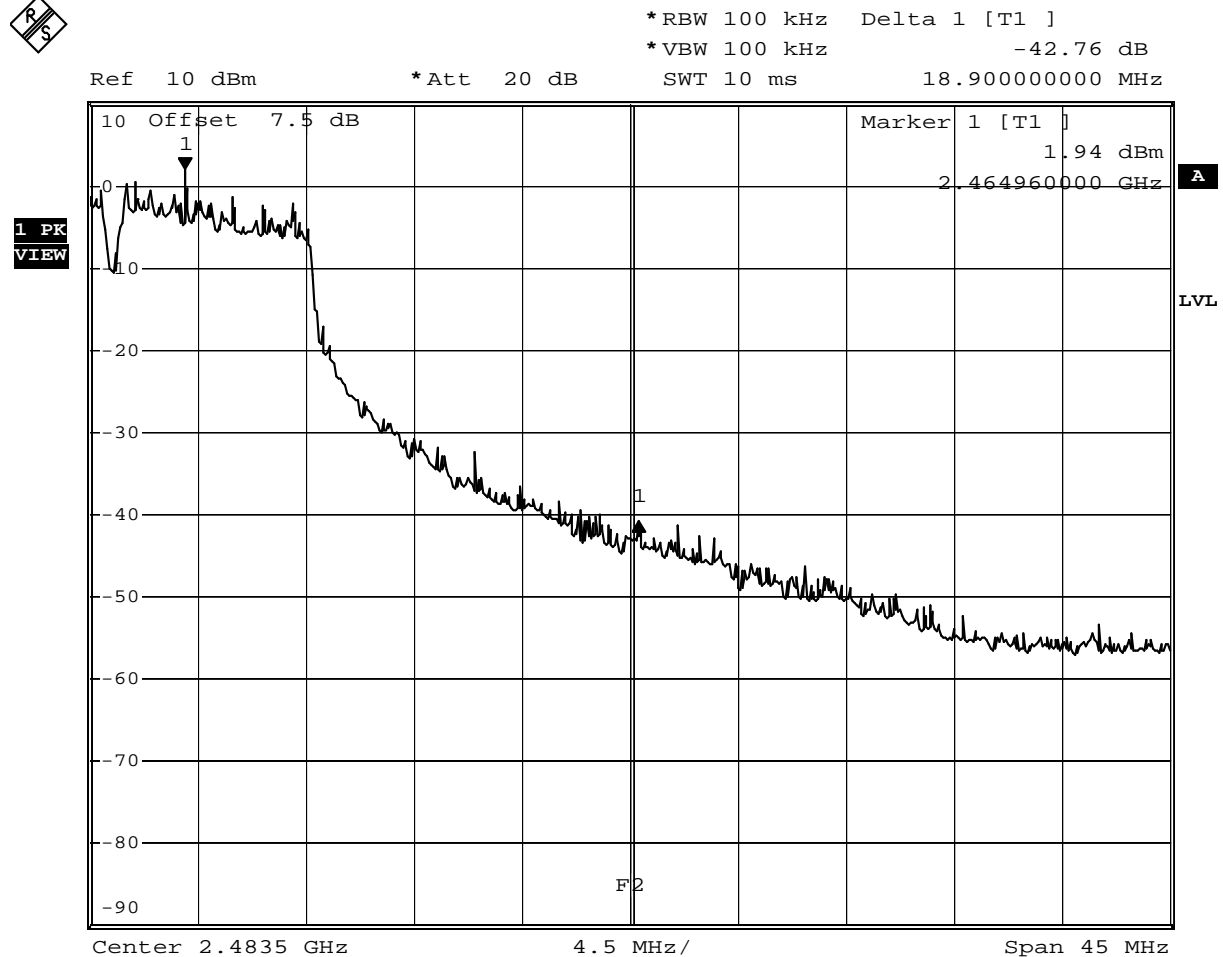
EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2412 MHz
Comment 3	OFDM; 6 Mbit/s



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 30.NOV.2010 13:58:44

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	Laser Distance Meter
Model	3D Disto
Approval Holder	Leica Geosystems AG / Ord.: G0M21011-3883
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Handrik
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2462 MHz
Comment 3	OFDM; 6 Mbit/s



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 30.NOV.2010 14:14:34

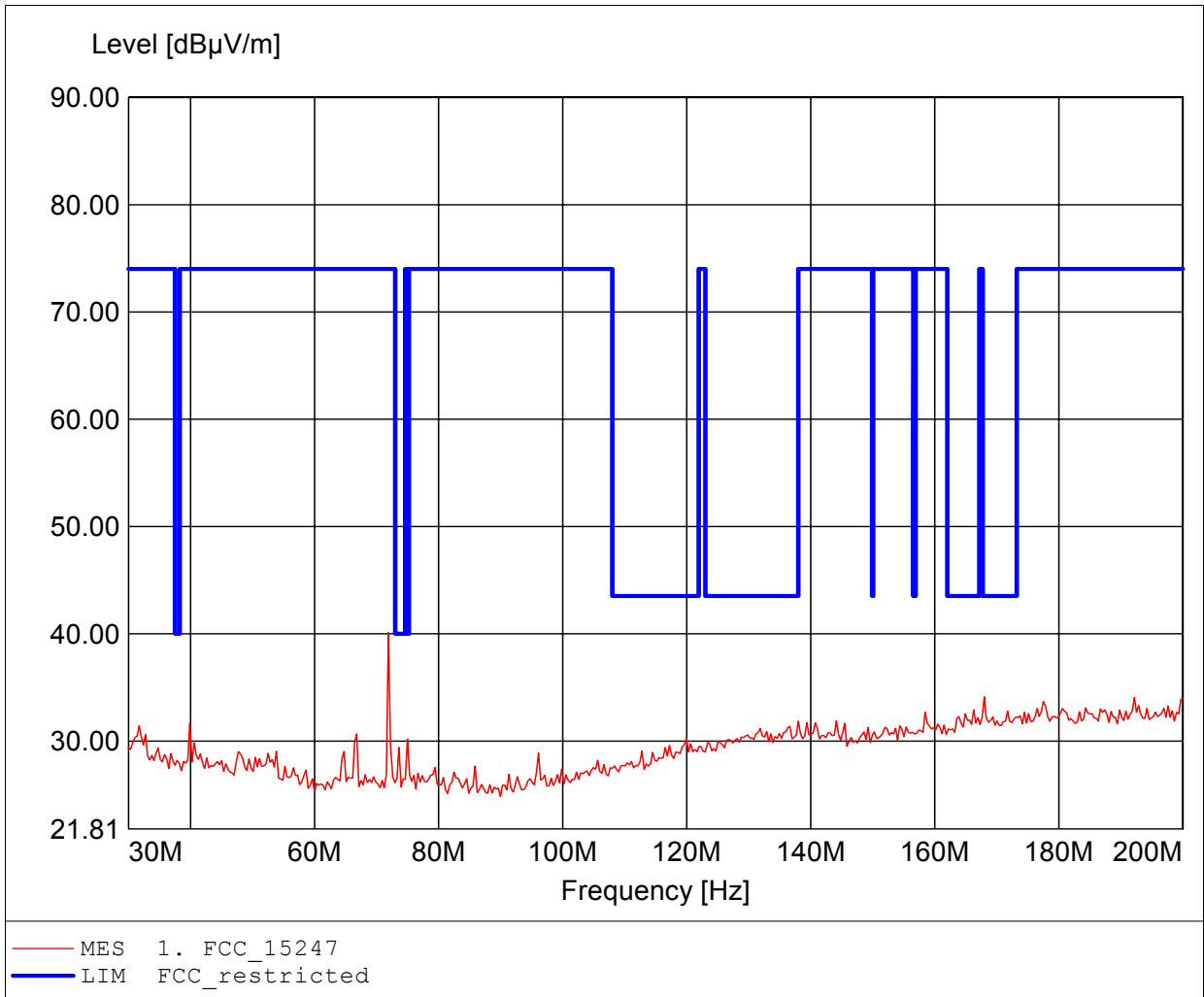
Annex G Transmitter radiated spurious emissions

Only plot containing significant spurious emission are given in this annex.

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

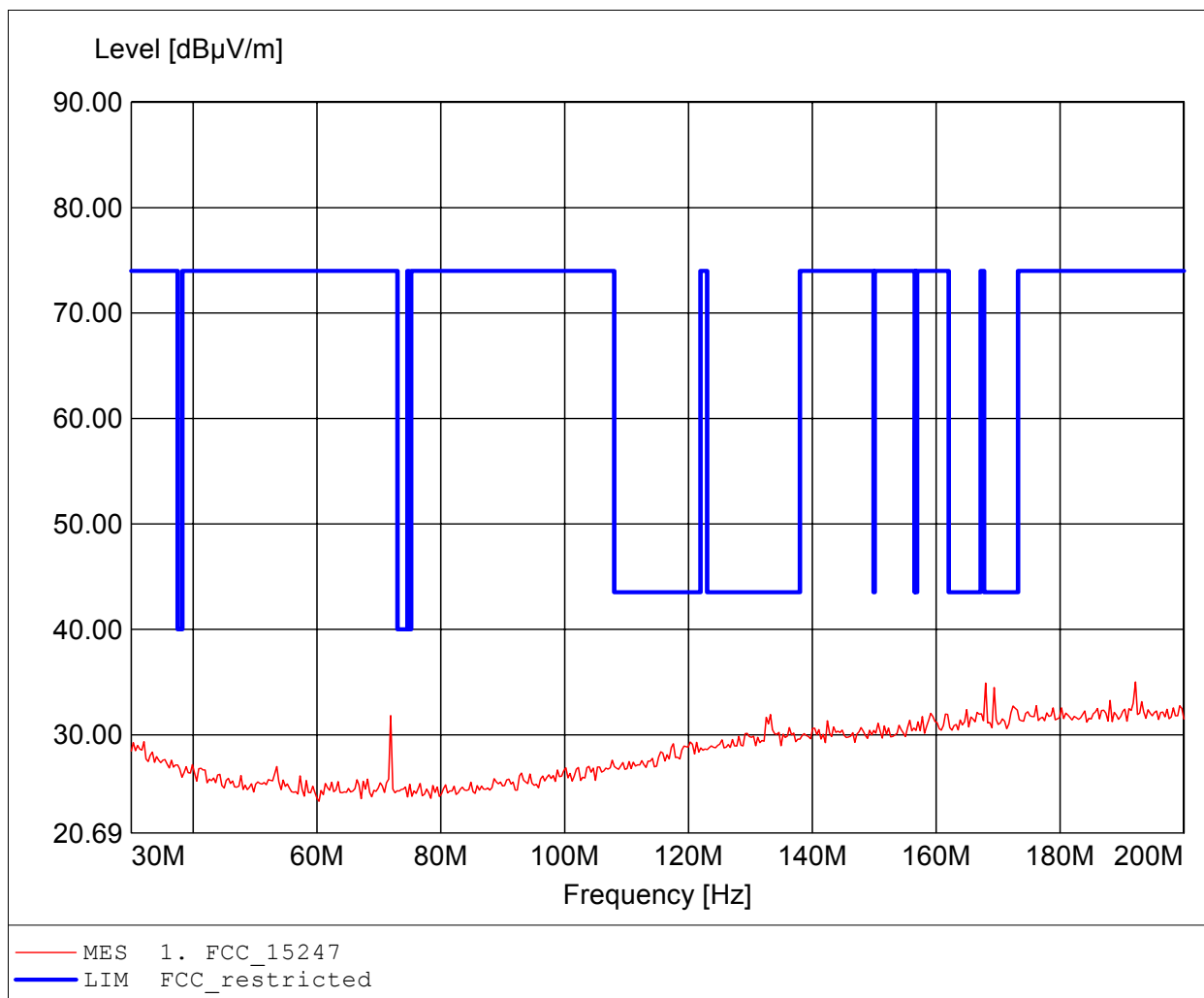
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 71.904MHz, Emax: 40.10dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

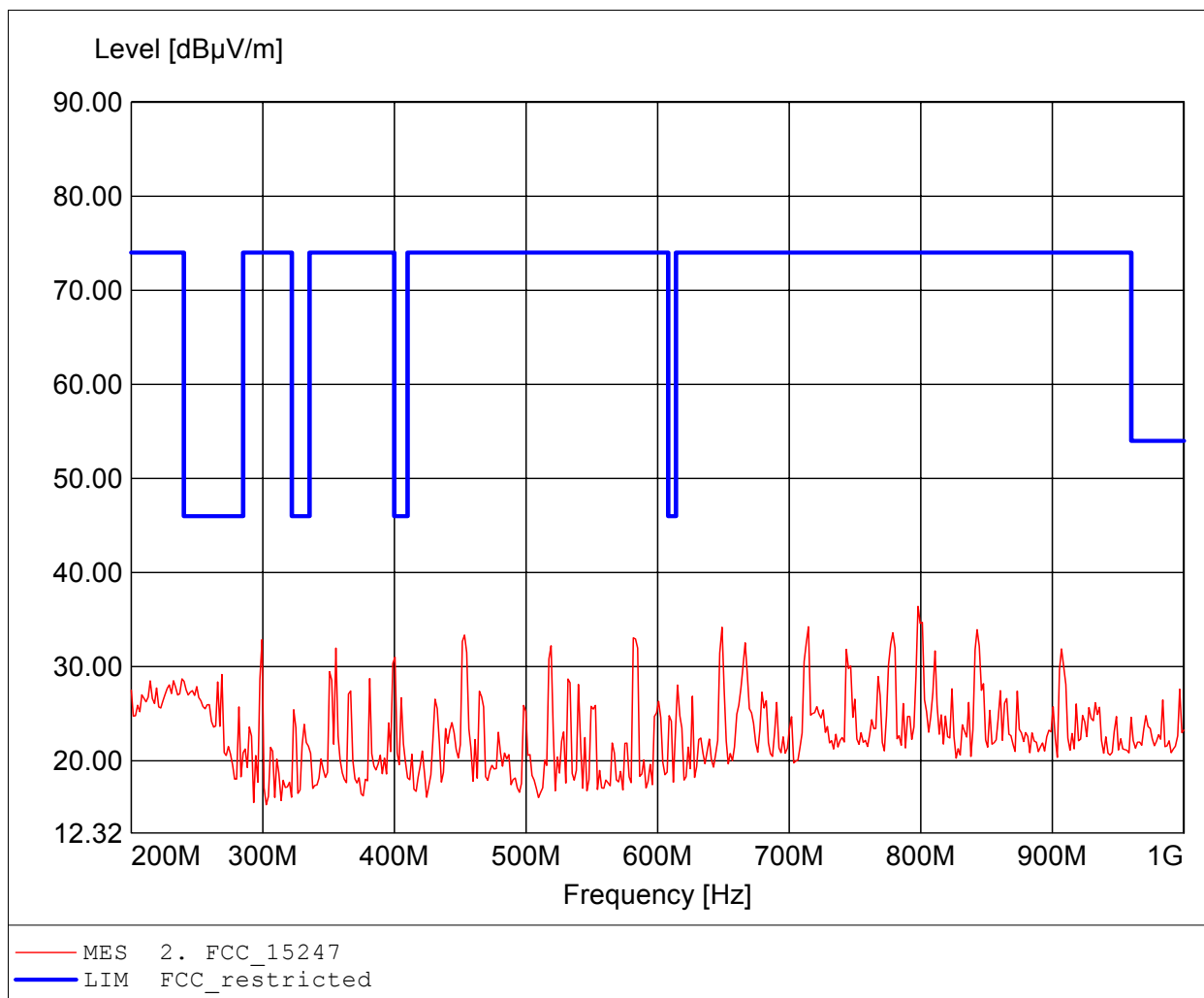
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.164MHz, Emax: 35.02dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

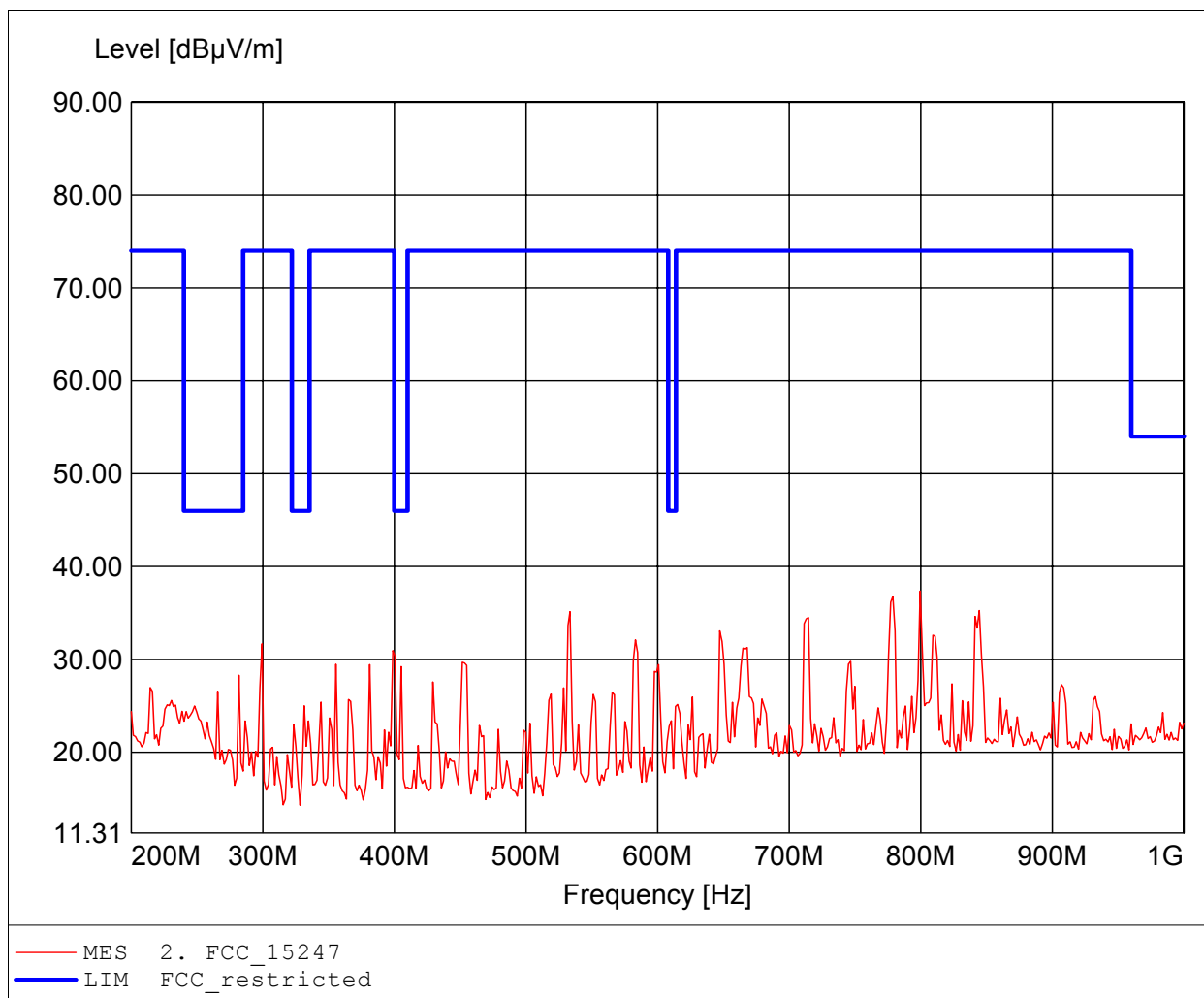
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 797.996MHz, Emax: 36.40dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

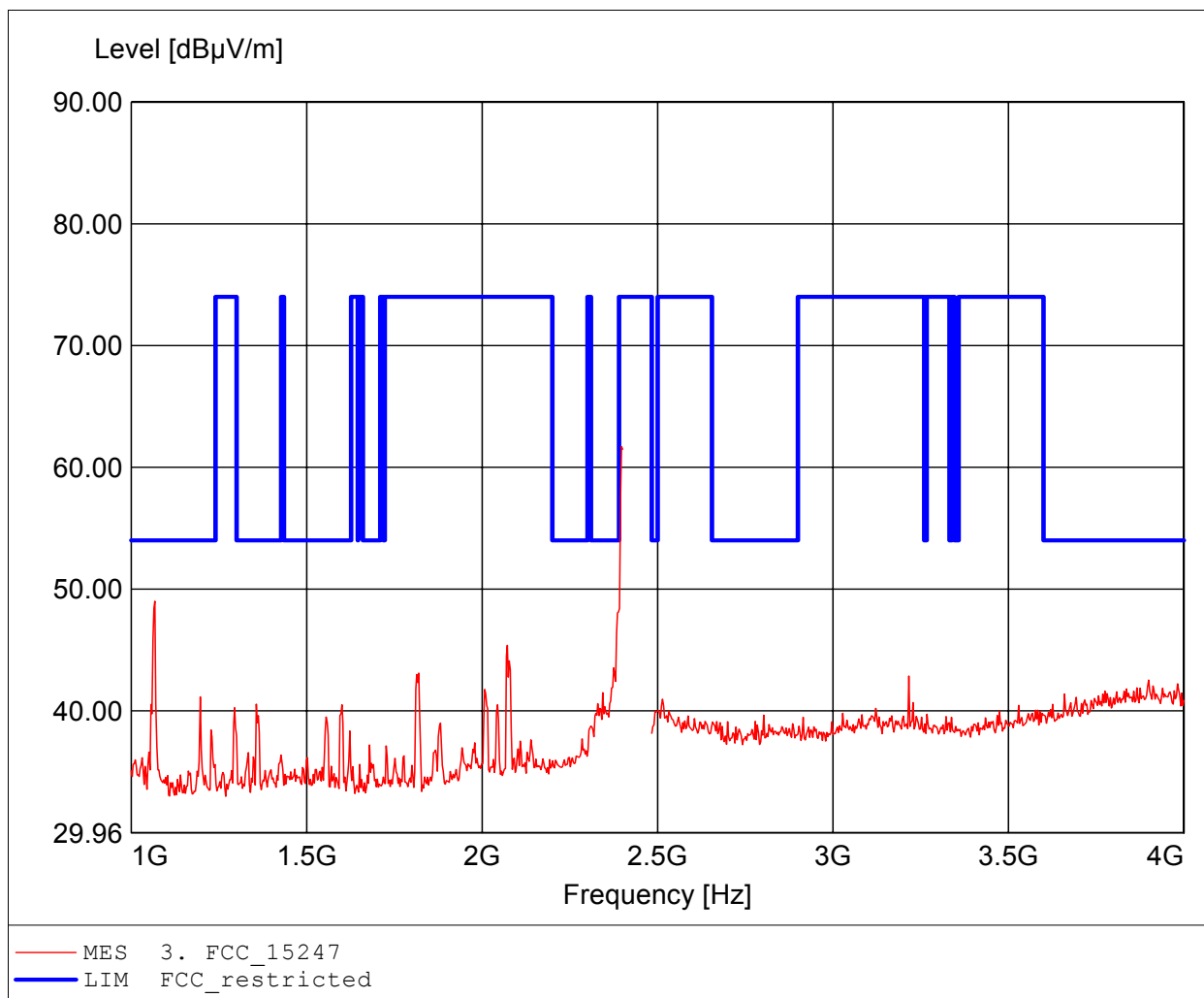
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 799.599MHz, Emax: 37.38dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

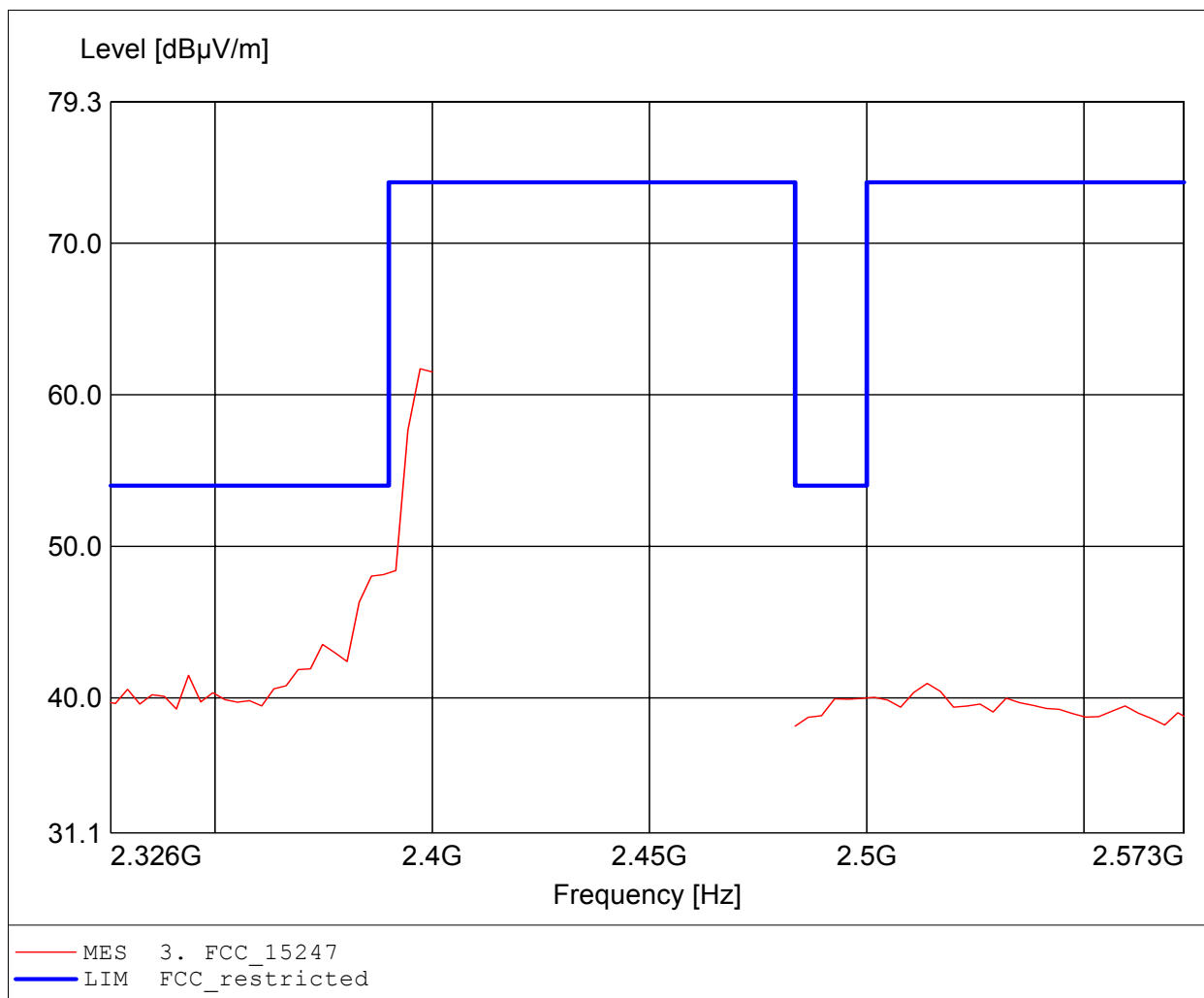
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 61.70dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

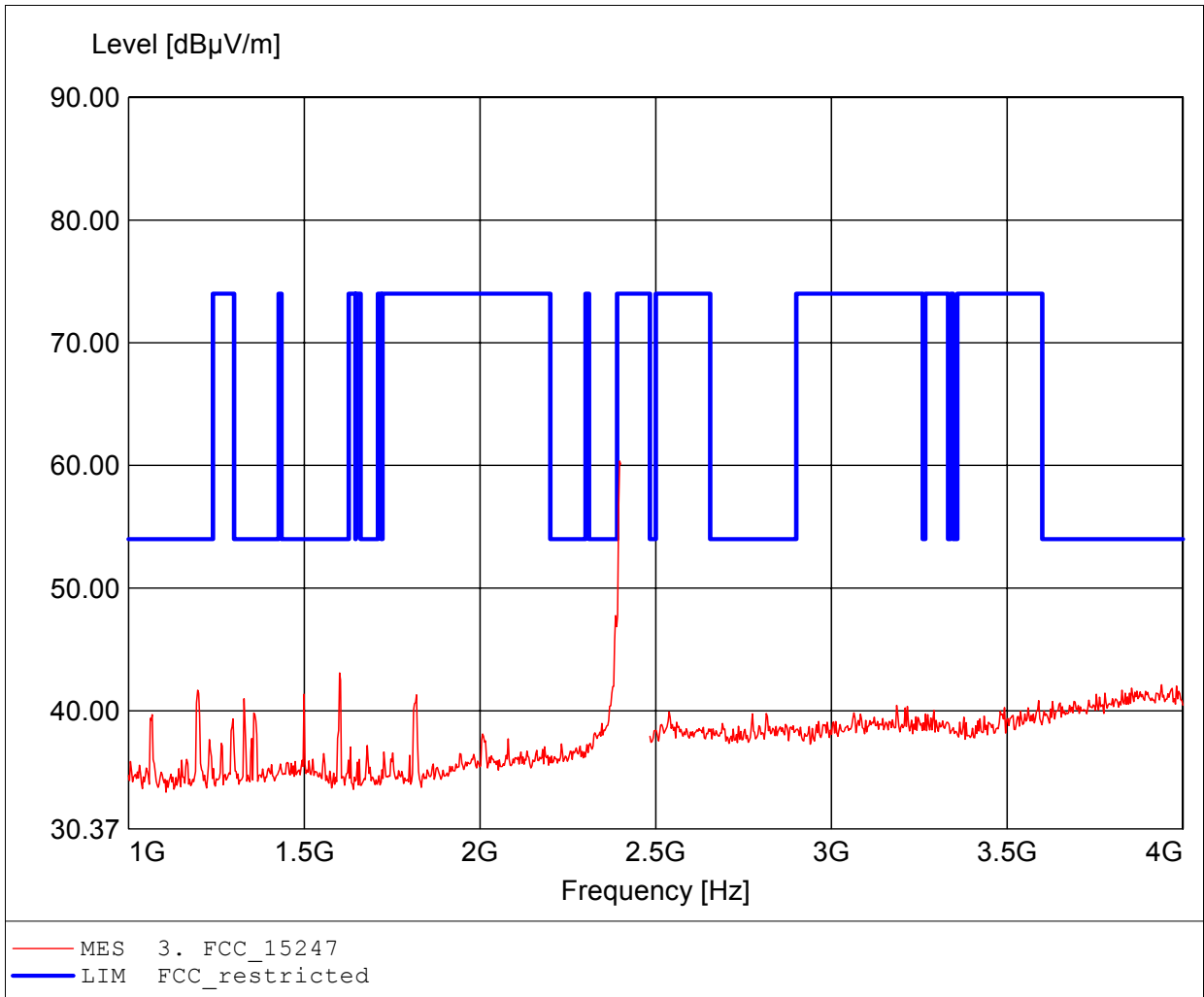
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 61.70dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

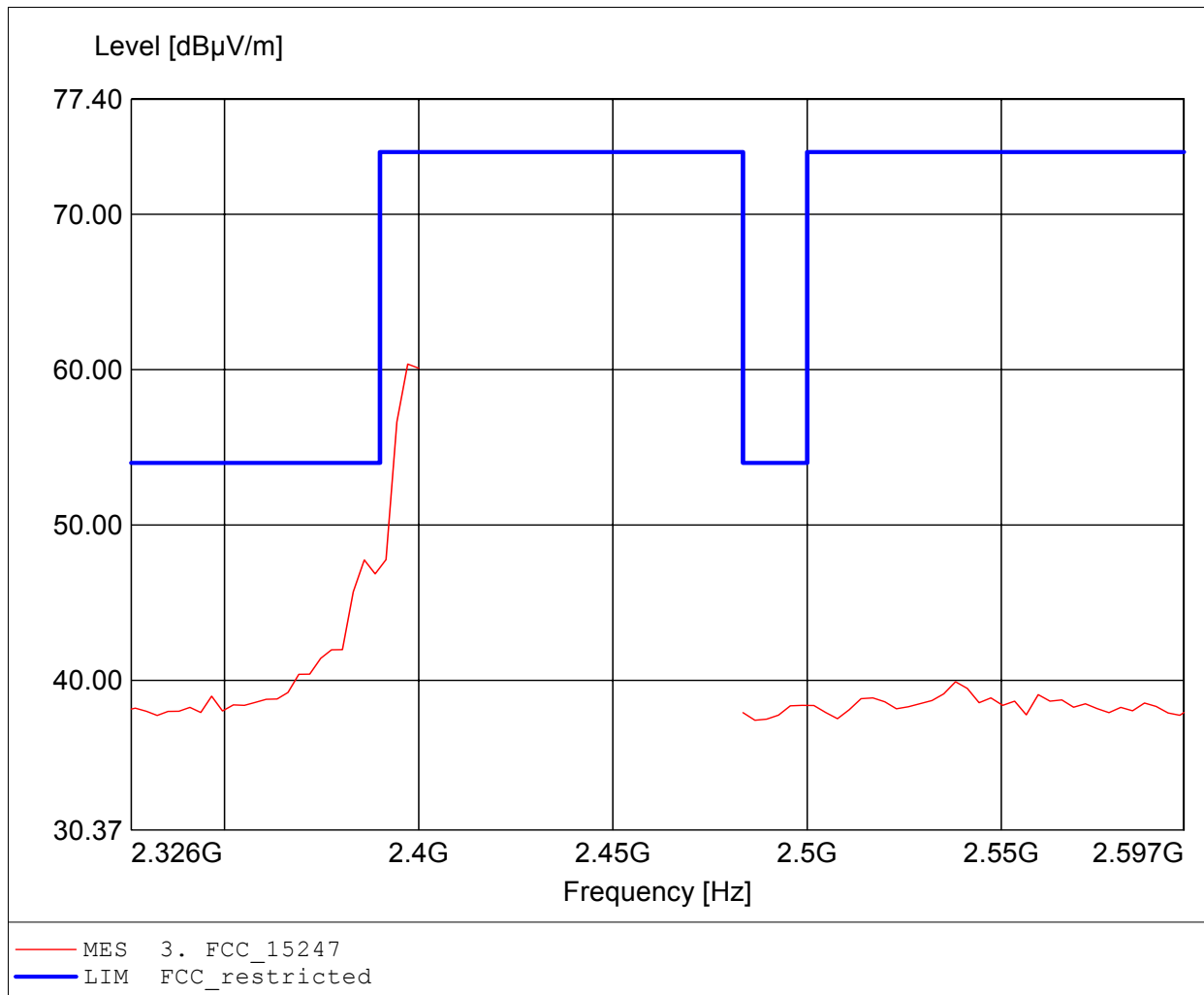
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 60.35dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

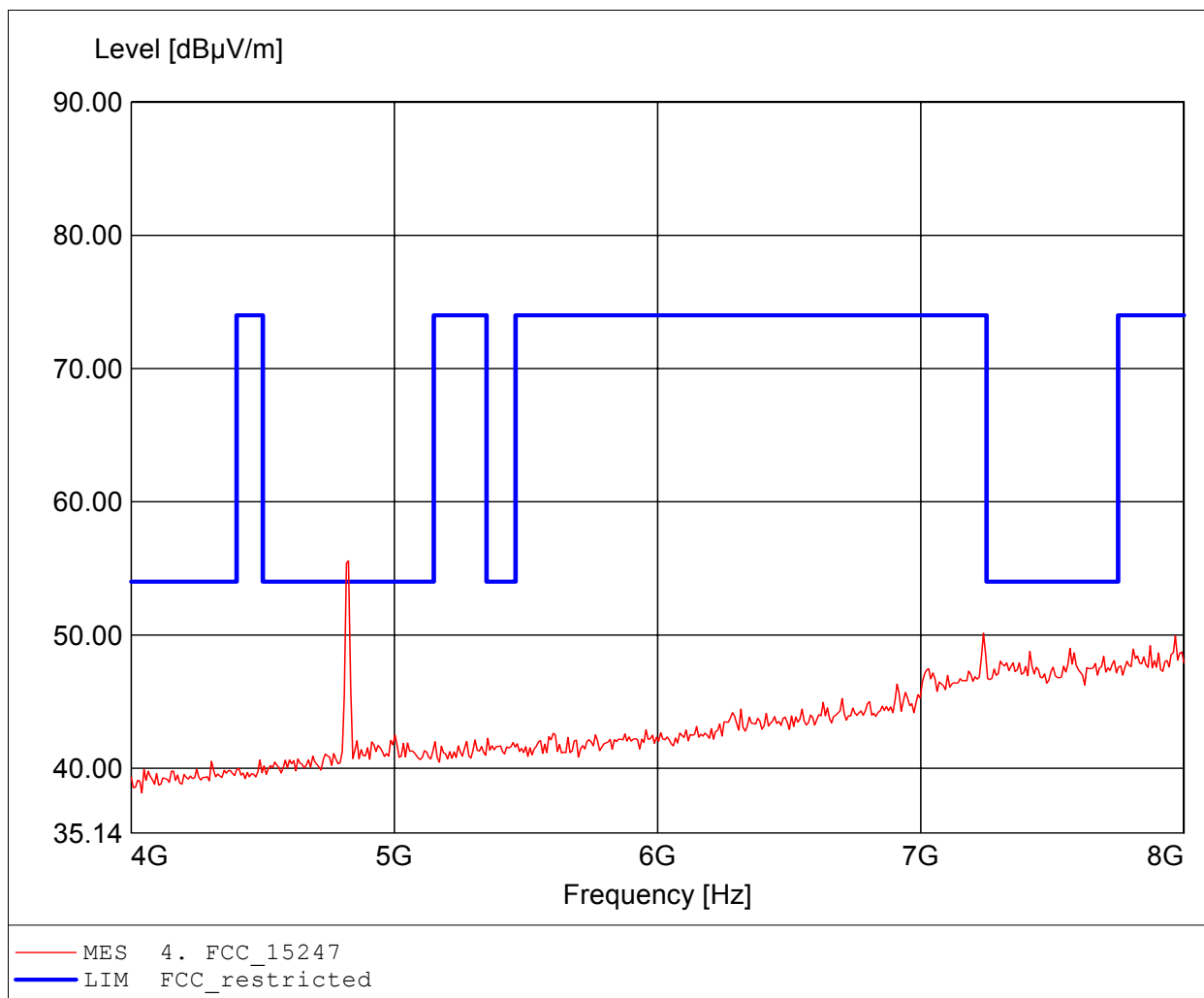
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 60.35dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

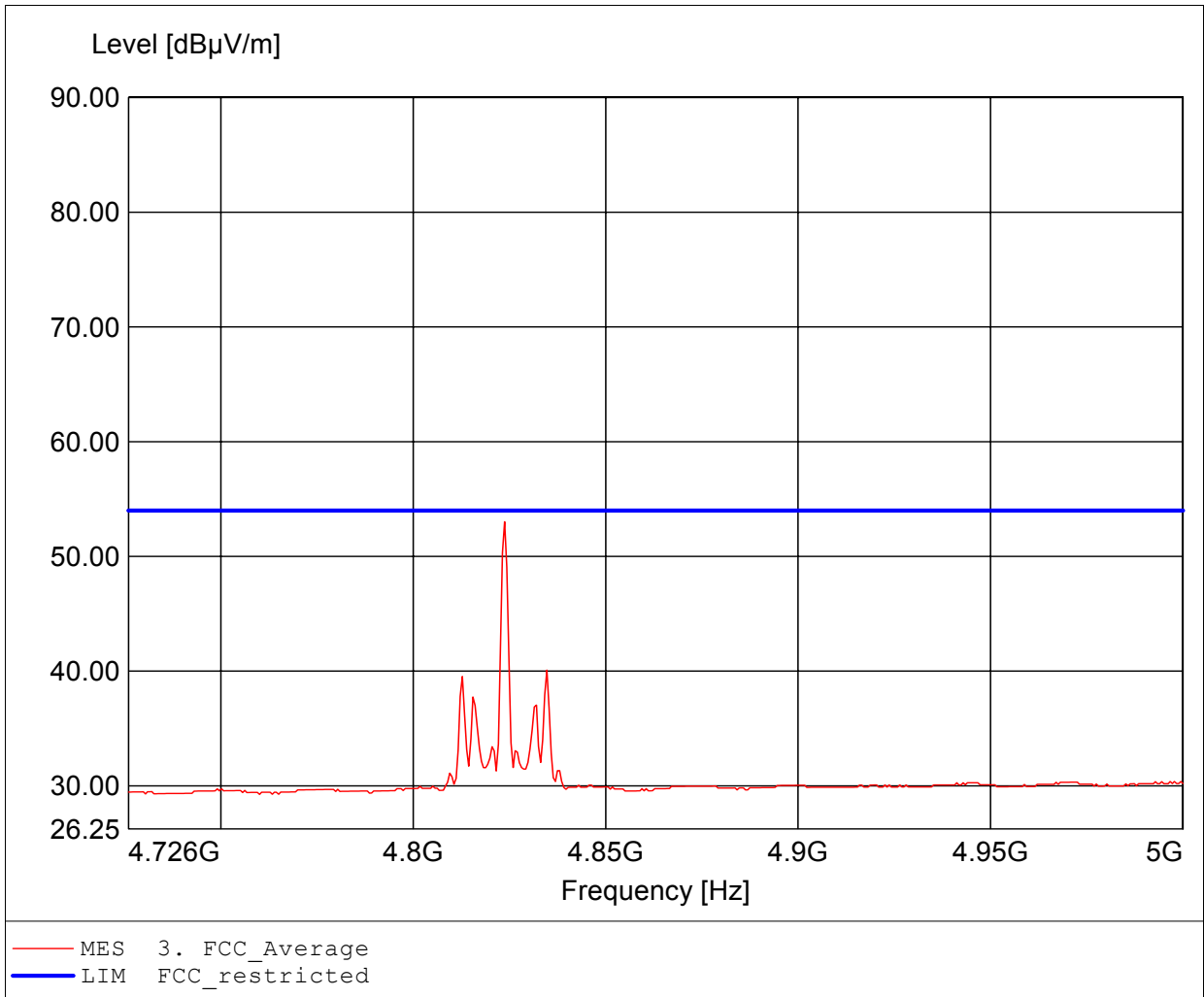
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.826GHz, Emax: 55.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

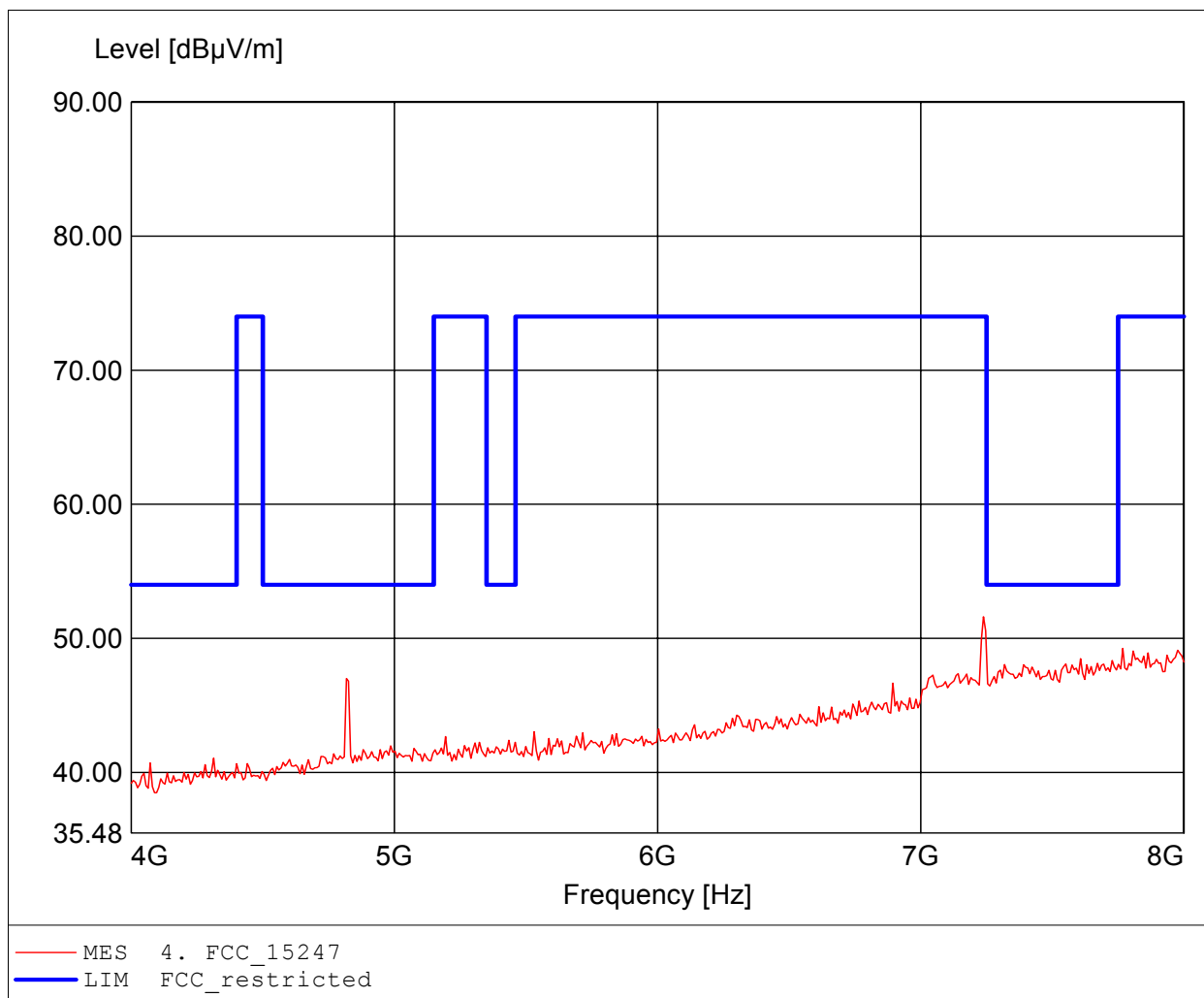
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 4.824GHz, Emax: 53.02dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

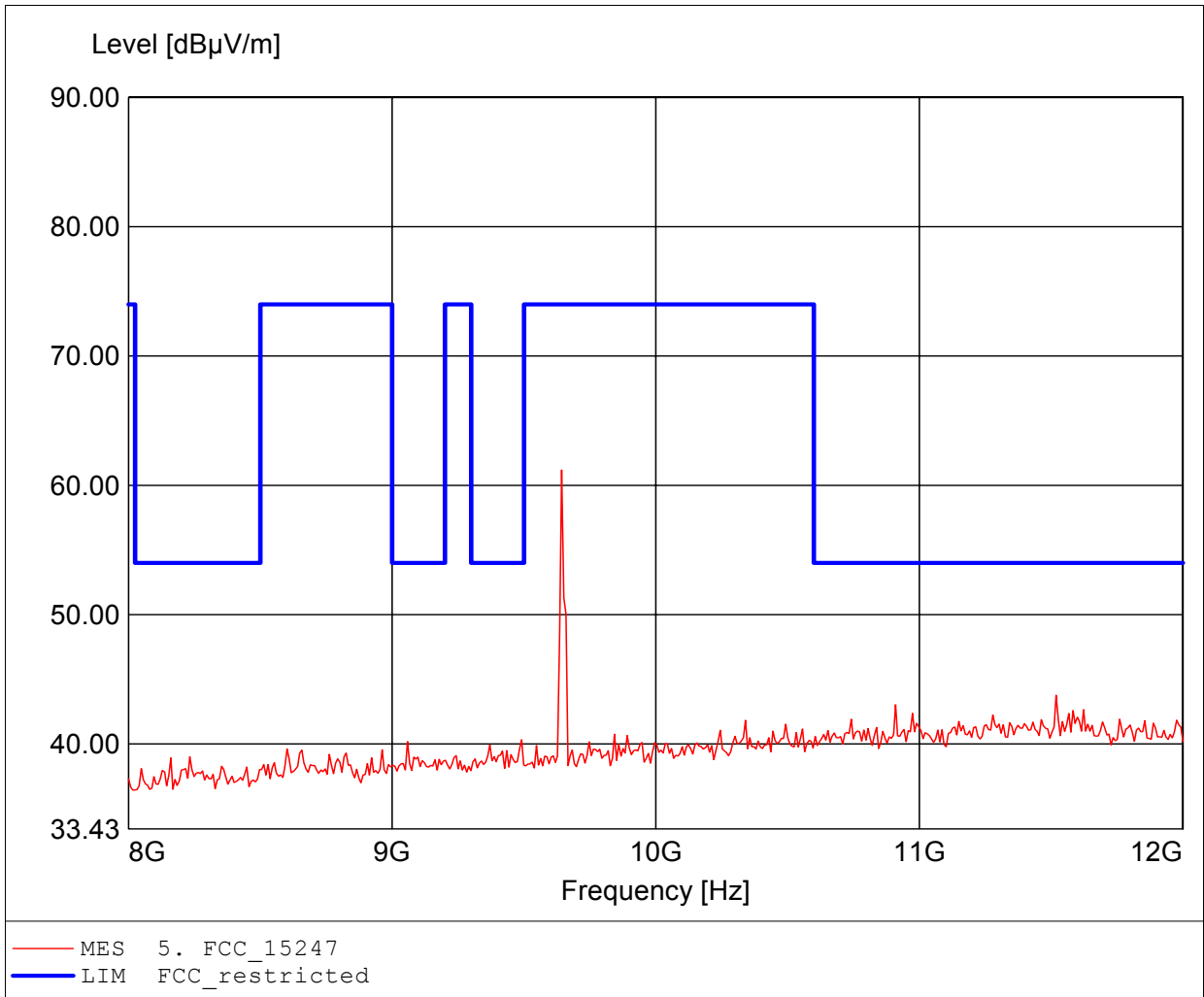
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.238GHz, Emax: 51.61dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

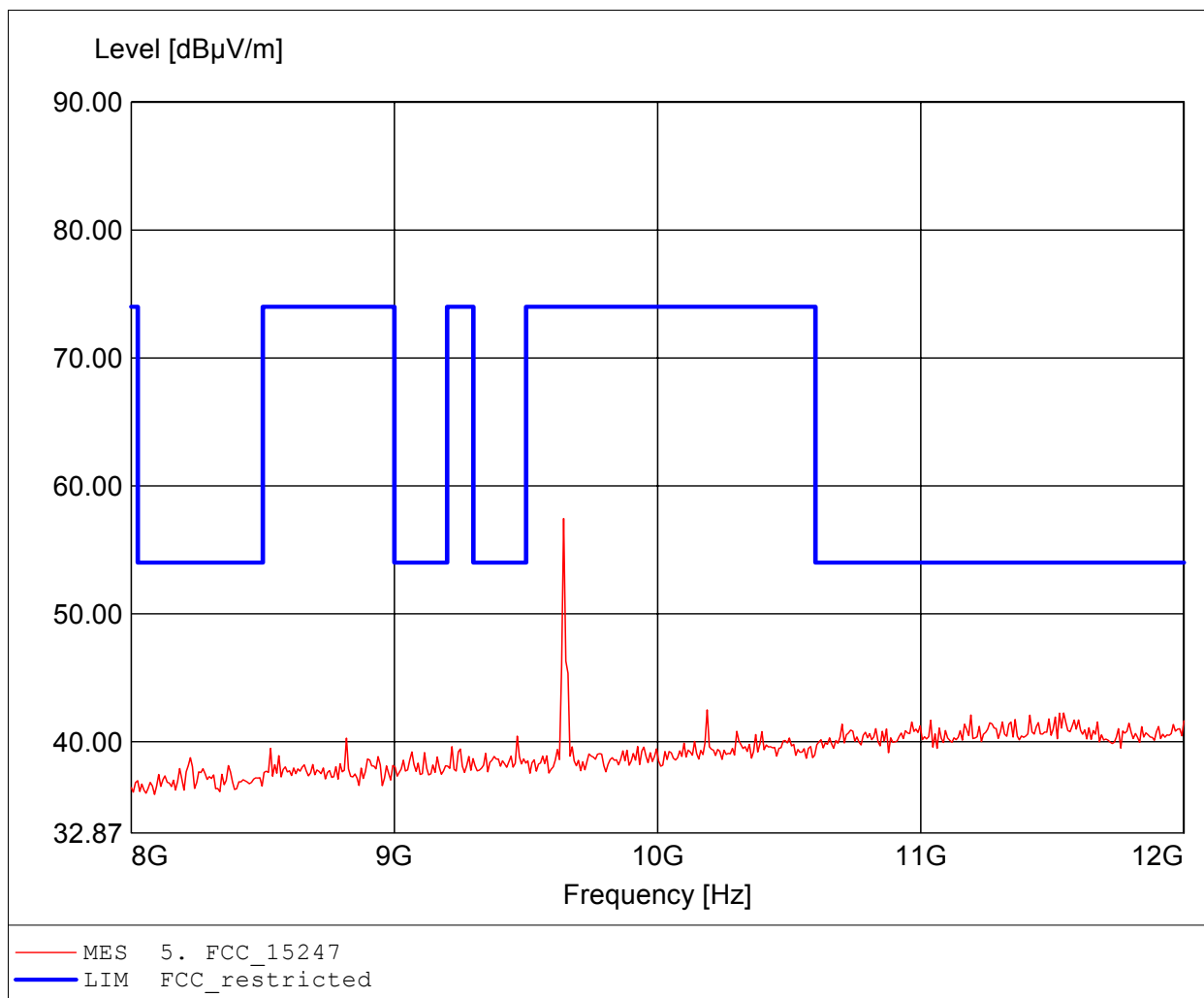
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.643GHz, Emax: 61.19dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

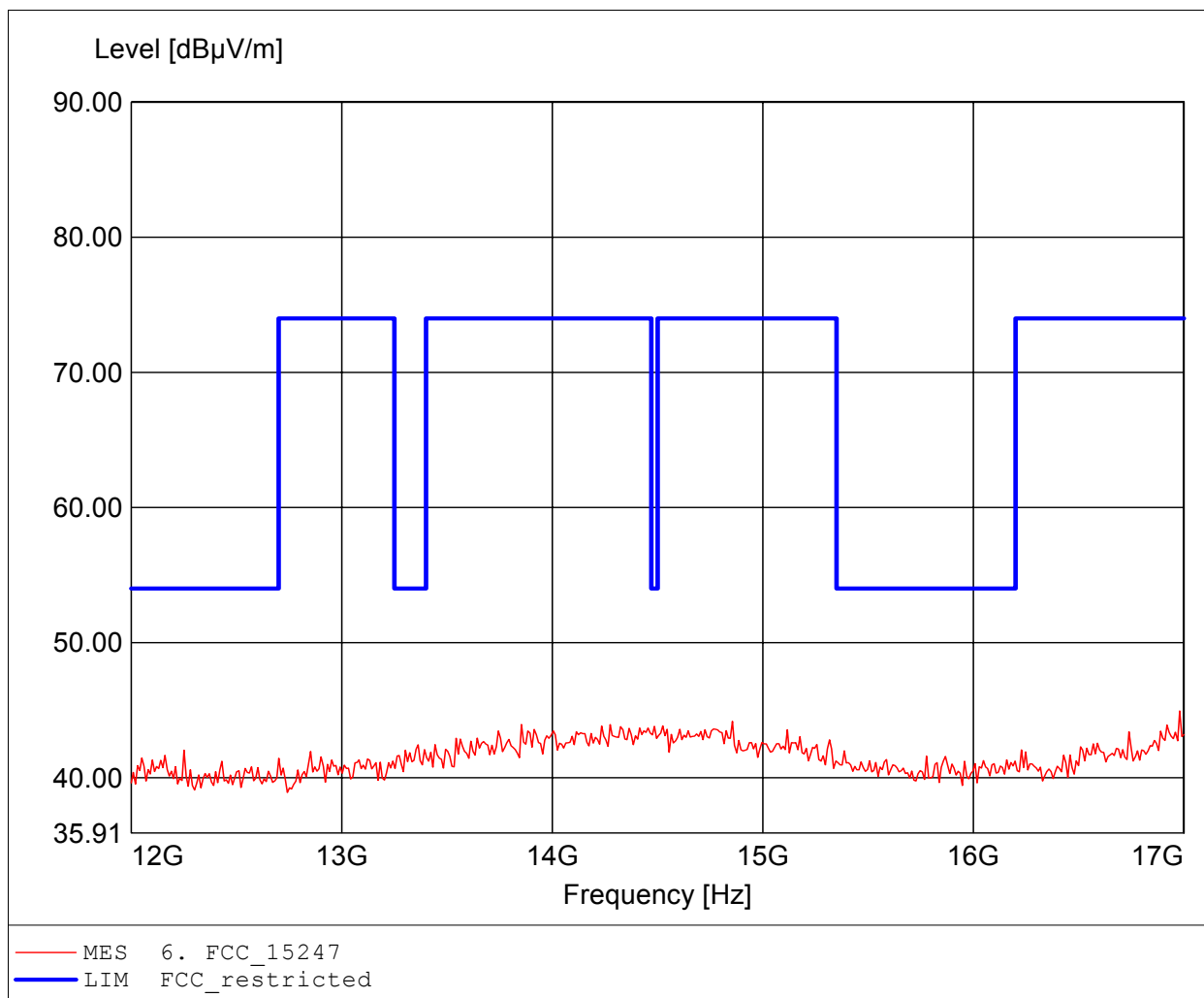
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.643GHz, Emax: 57.45dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

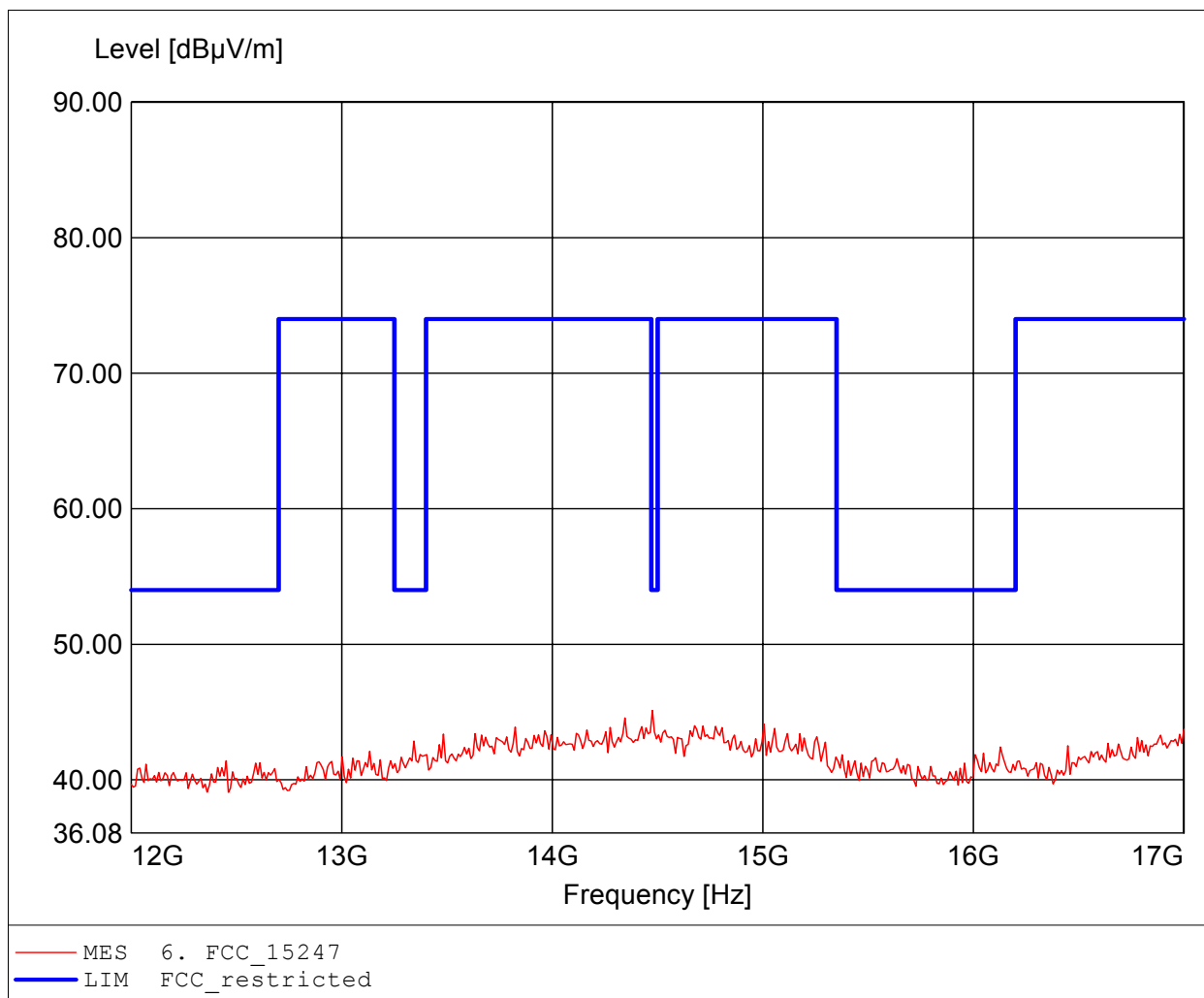
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 16.980GHz, Emax: 44.94dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

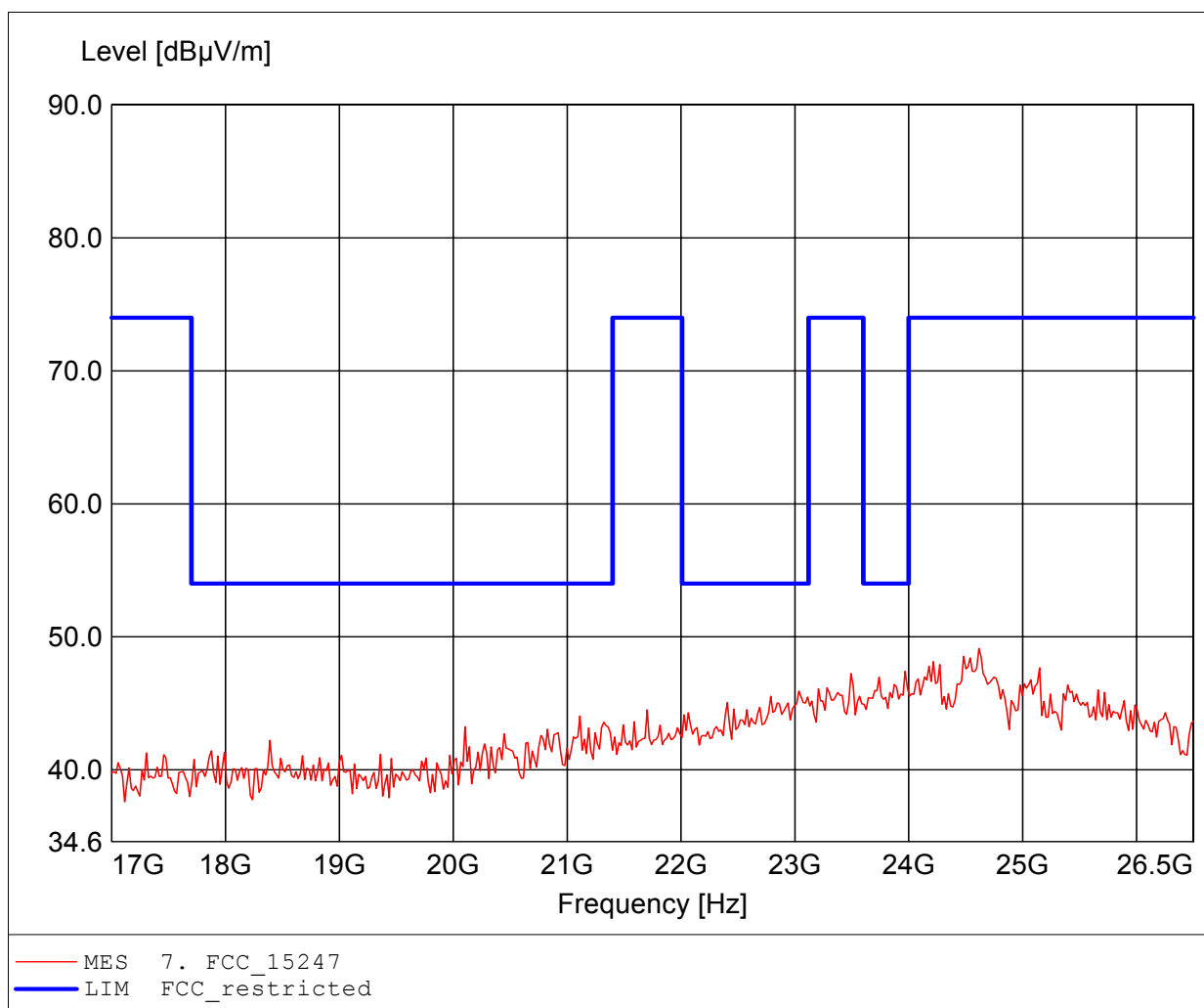
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.475GHz, Emax: 45.12dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

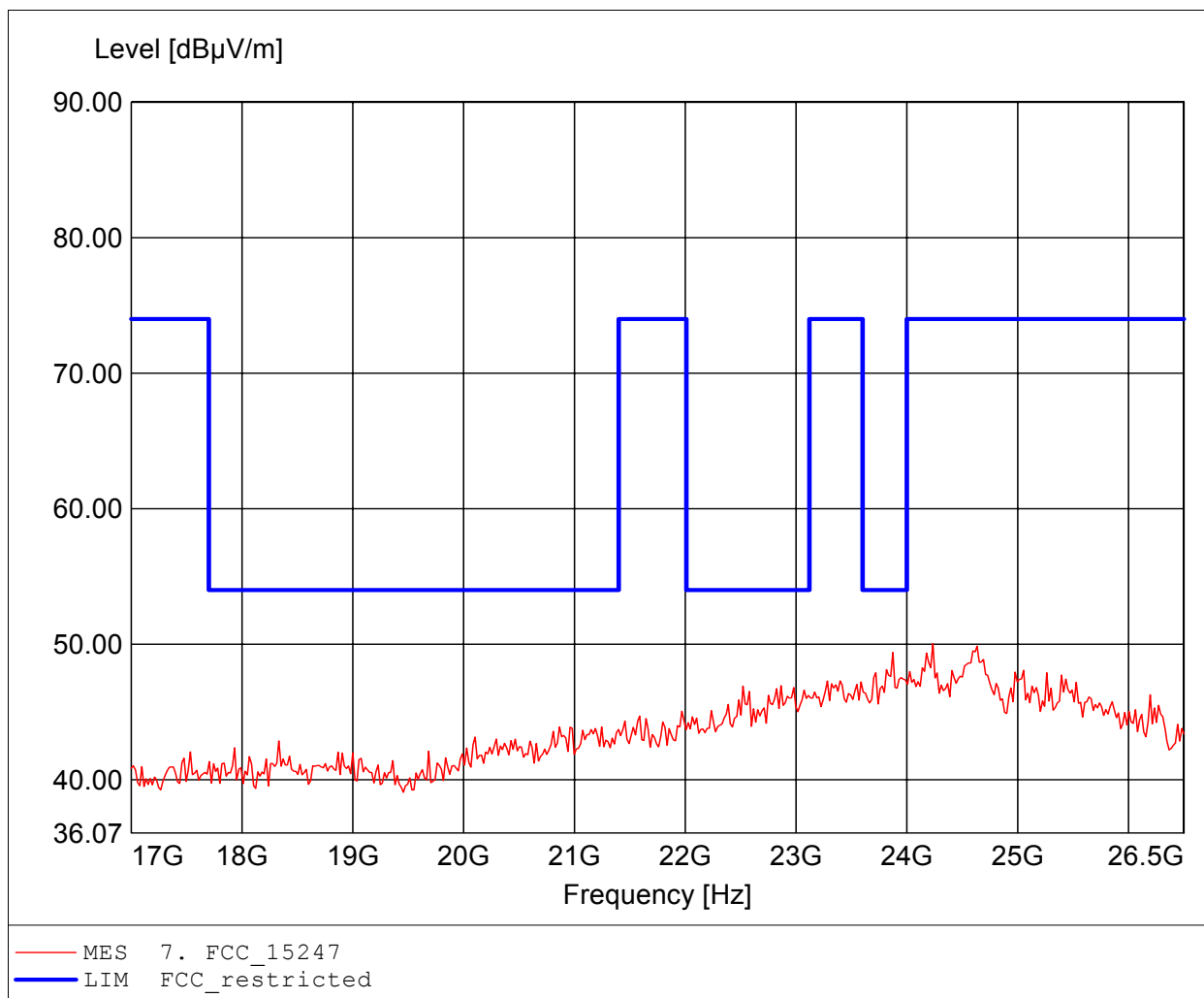
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.615GHz, Emax: 49.13dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

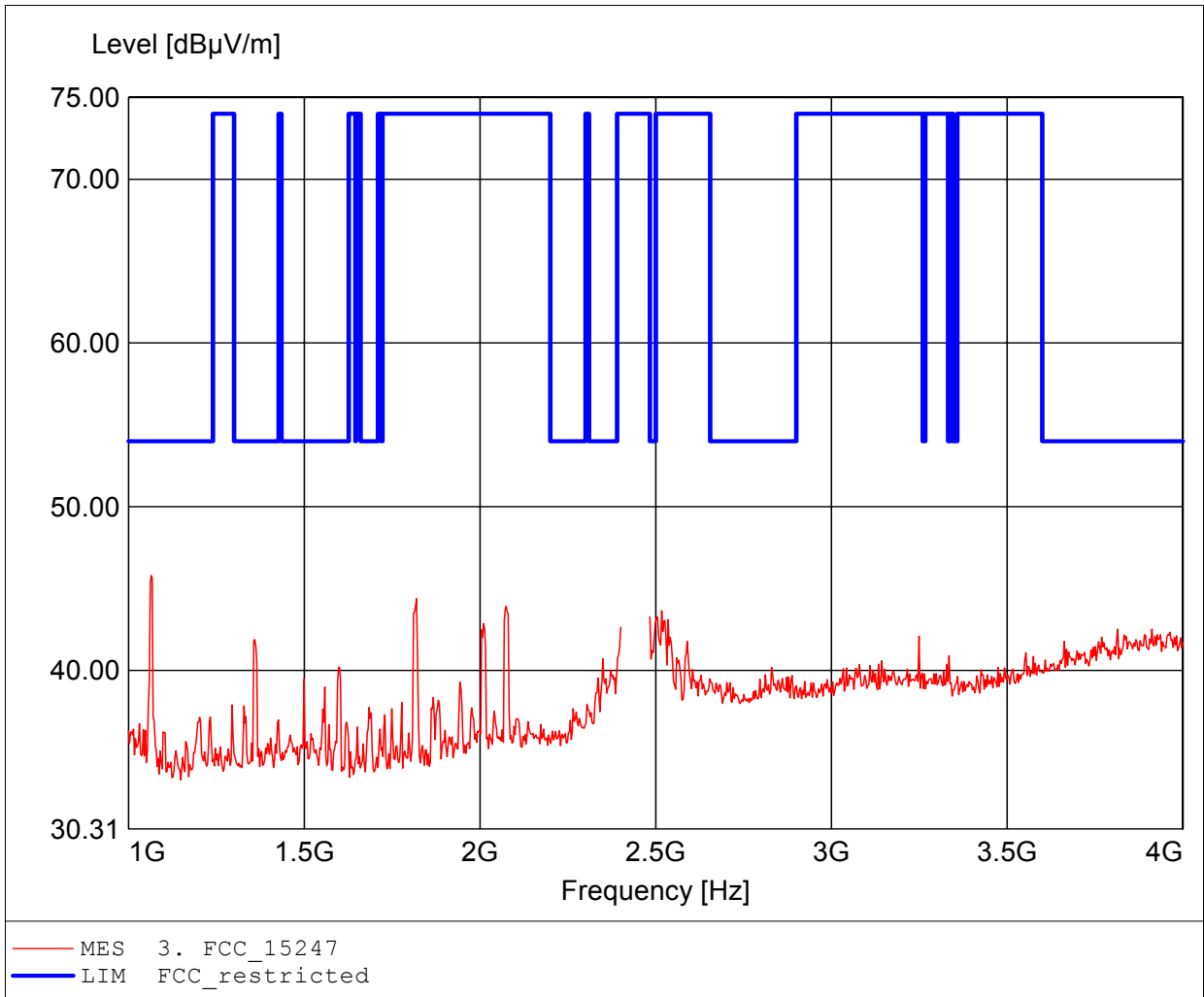
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.234GHz, Emax: 50.05dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

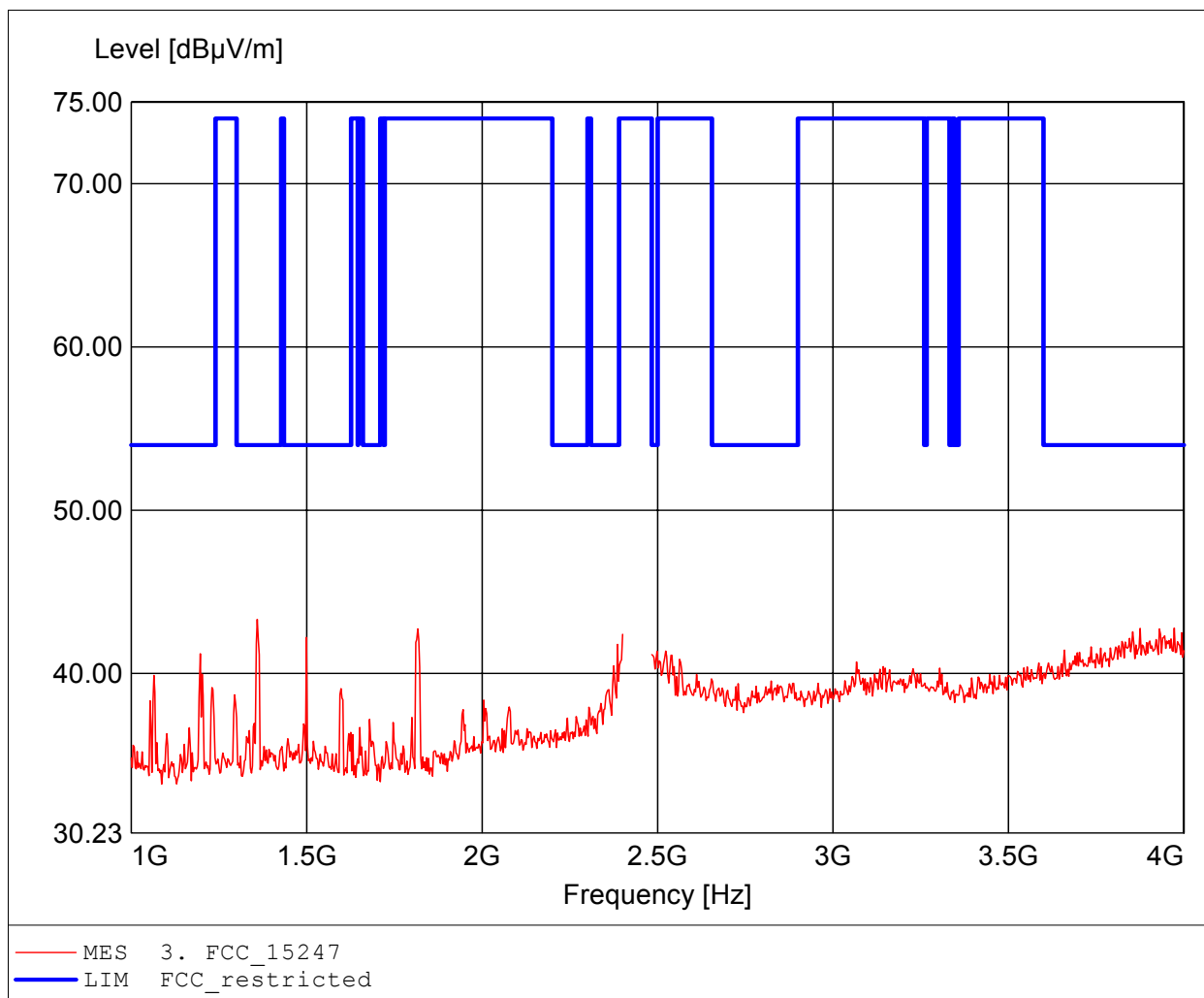
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.065GHz, Emax: 45.79dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

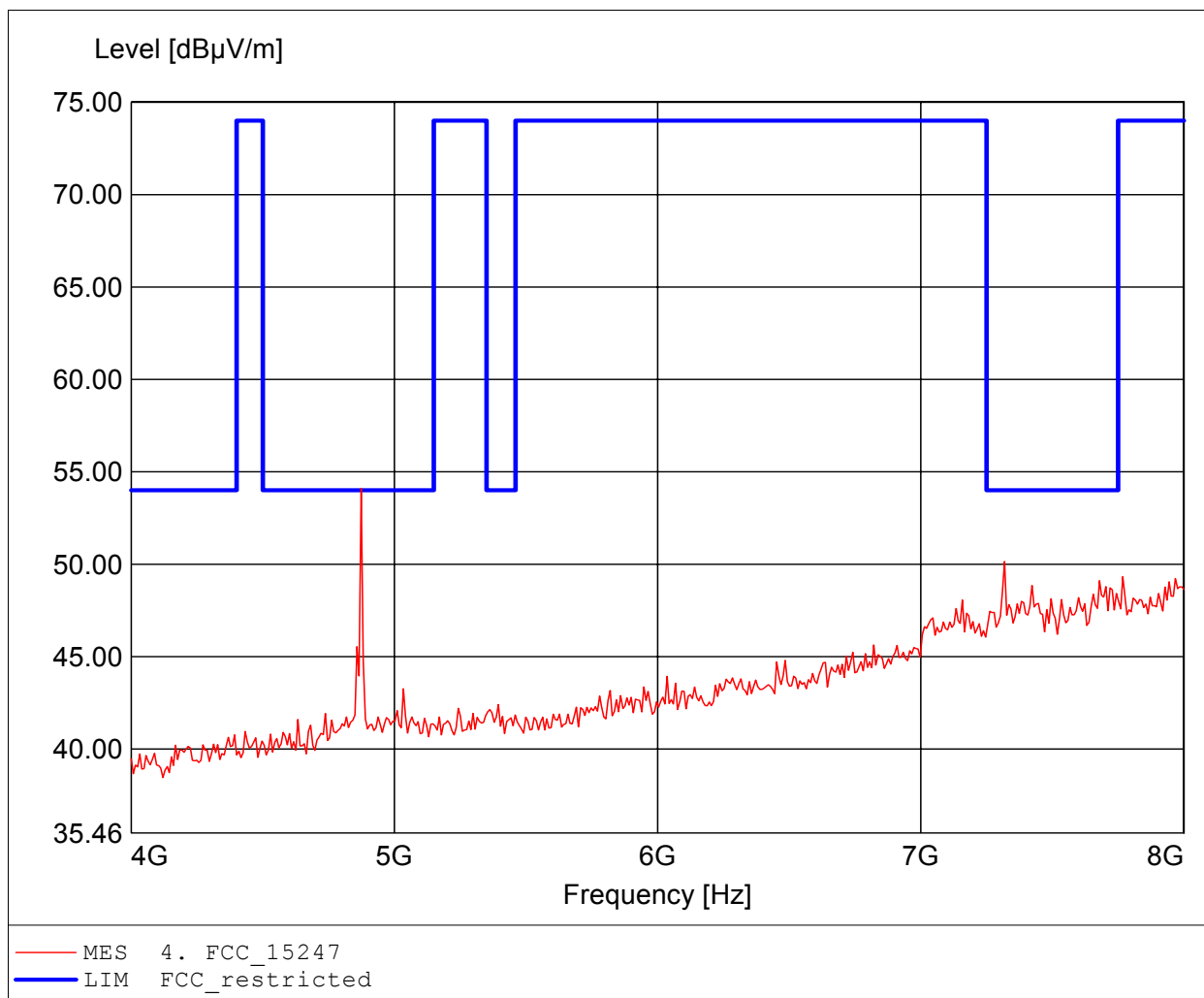
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.359GHz, Emax: 43.31dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

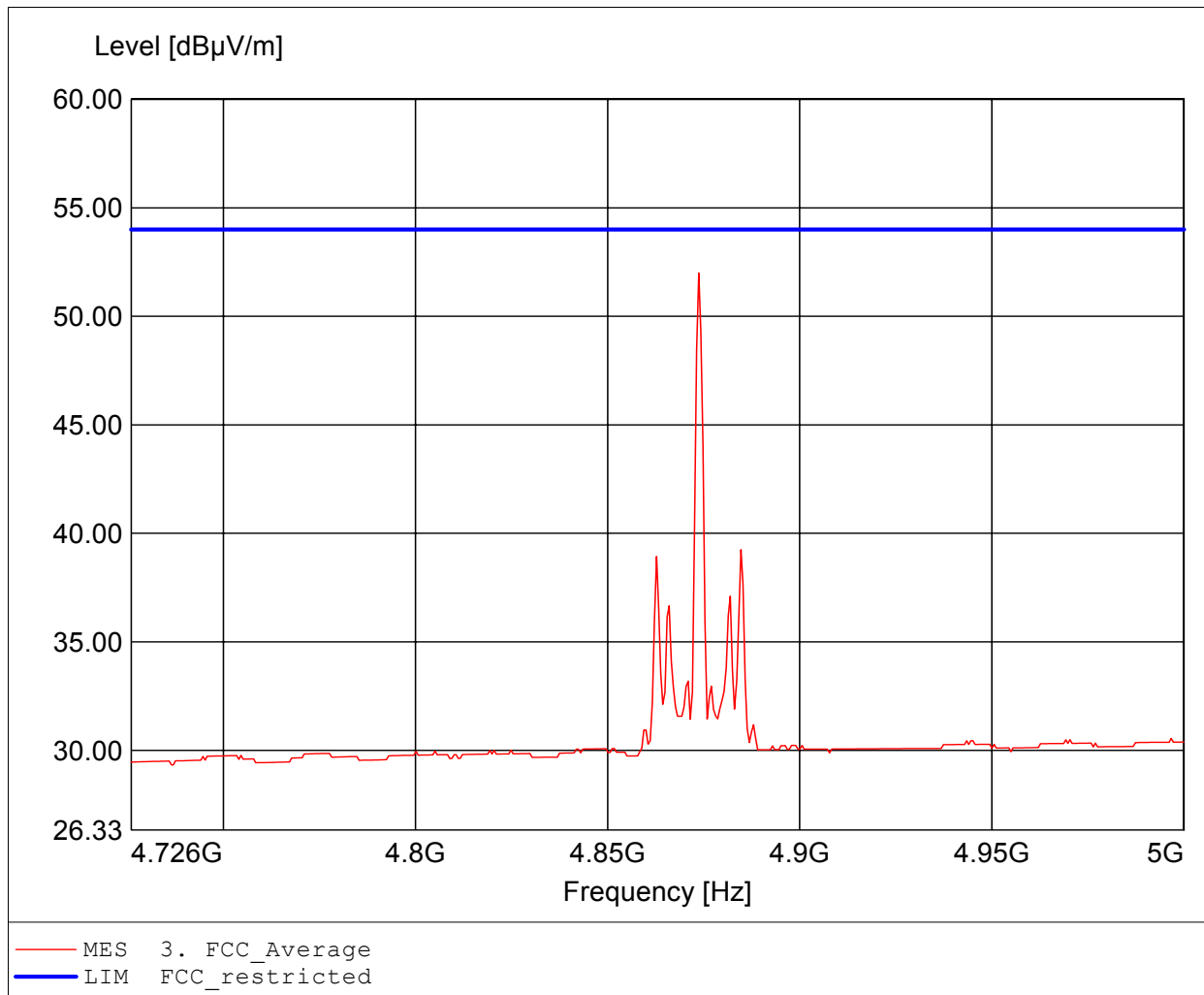
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.874GHz, Emax: 54.10dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

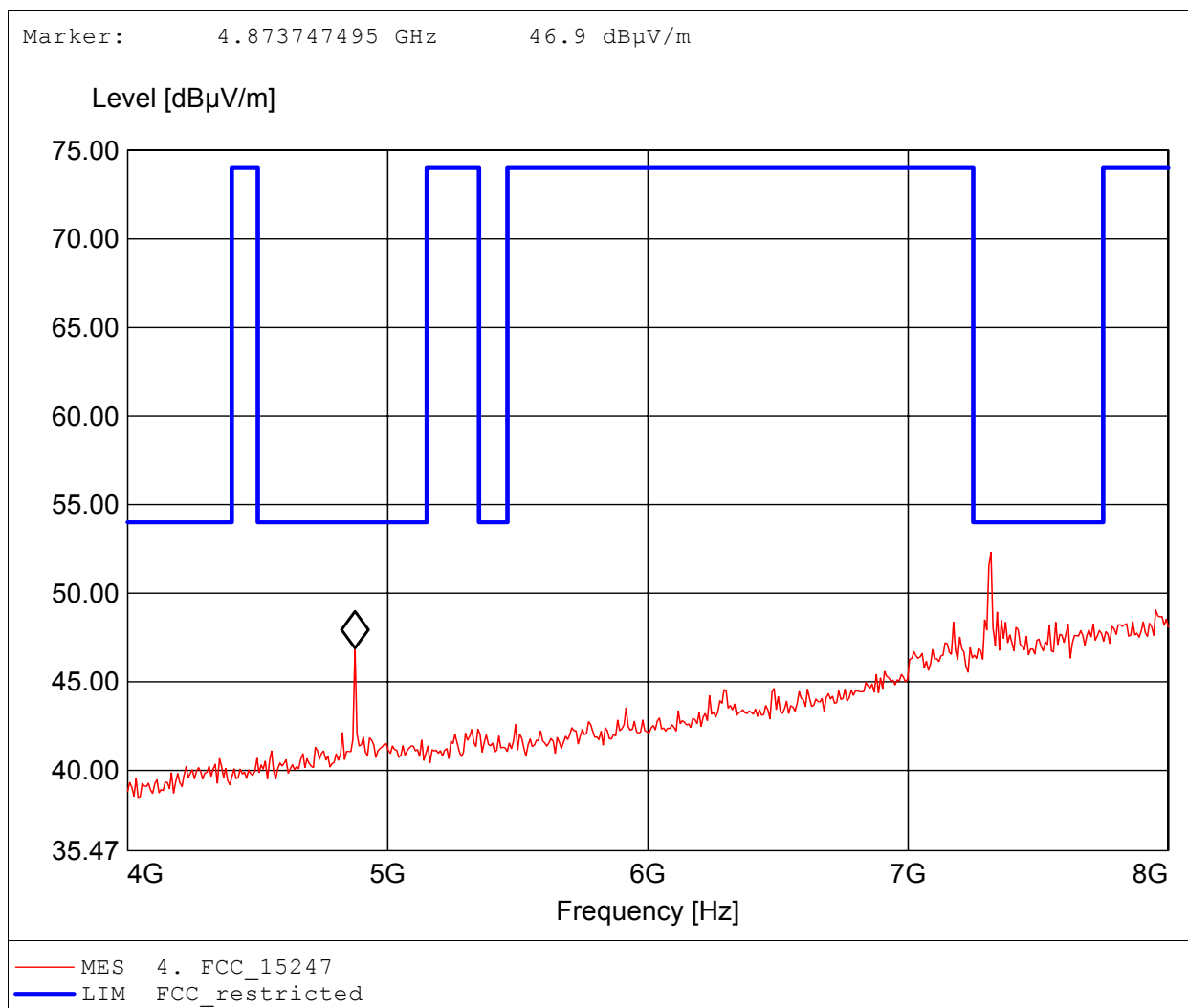
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 4.874GHz, Emax: 51.99dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

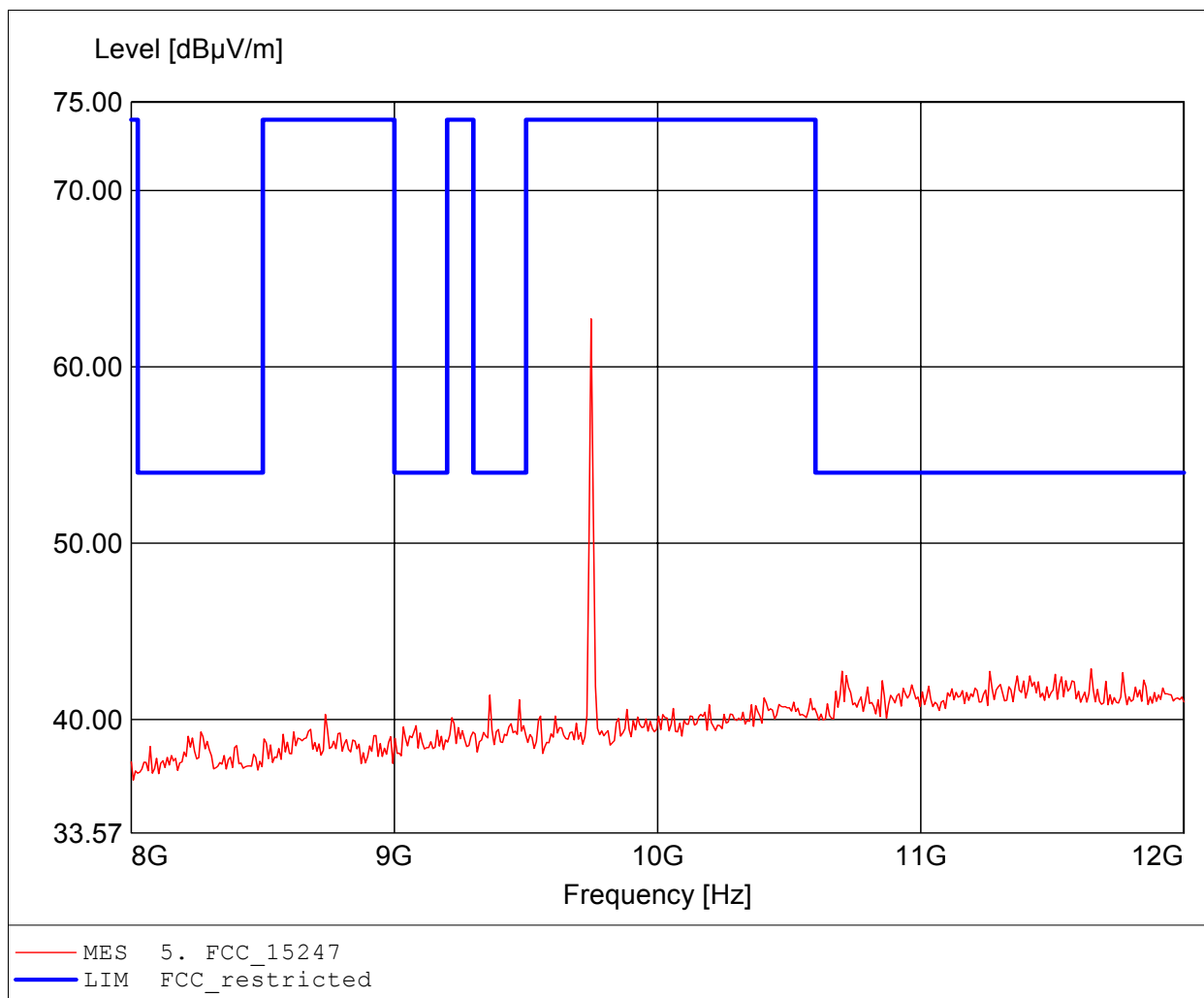
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.319GHz, Emax: 52.31dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

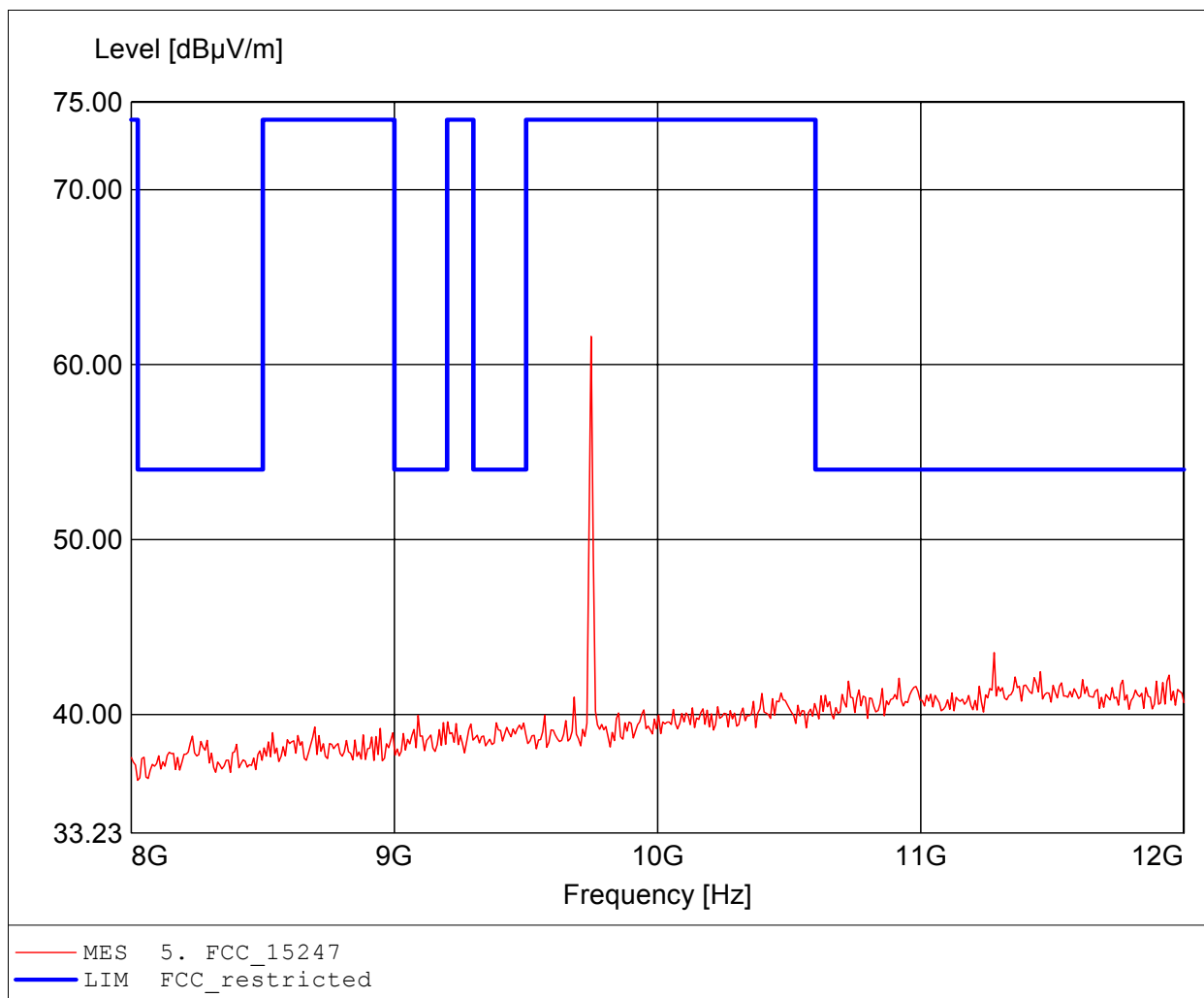
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.747GHz, Emax: 62.71dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

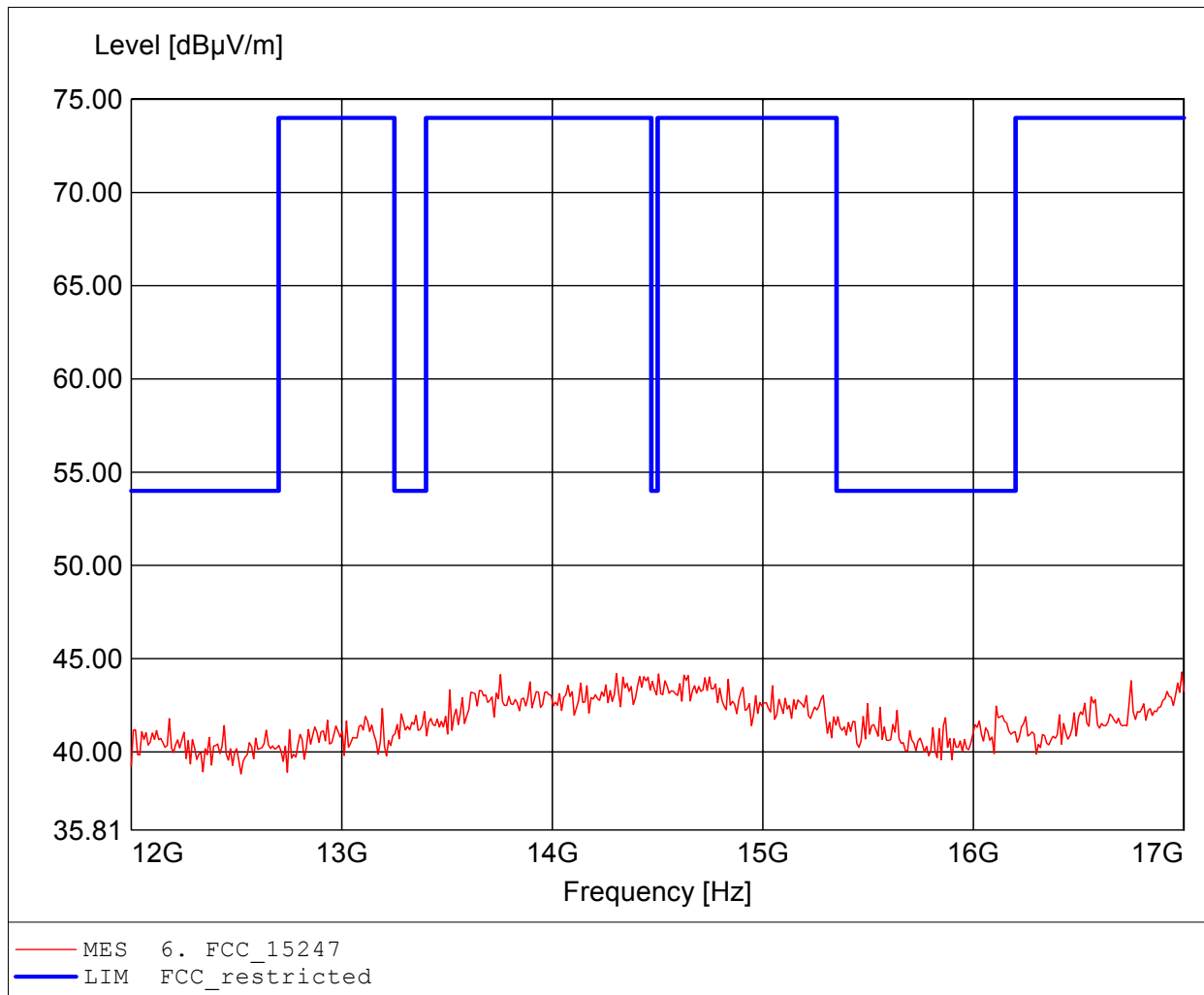
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.747GHz, Emax: 61.61dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

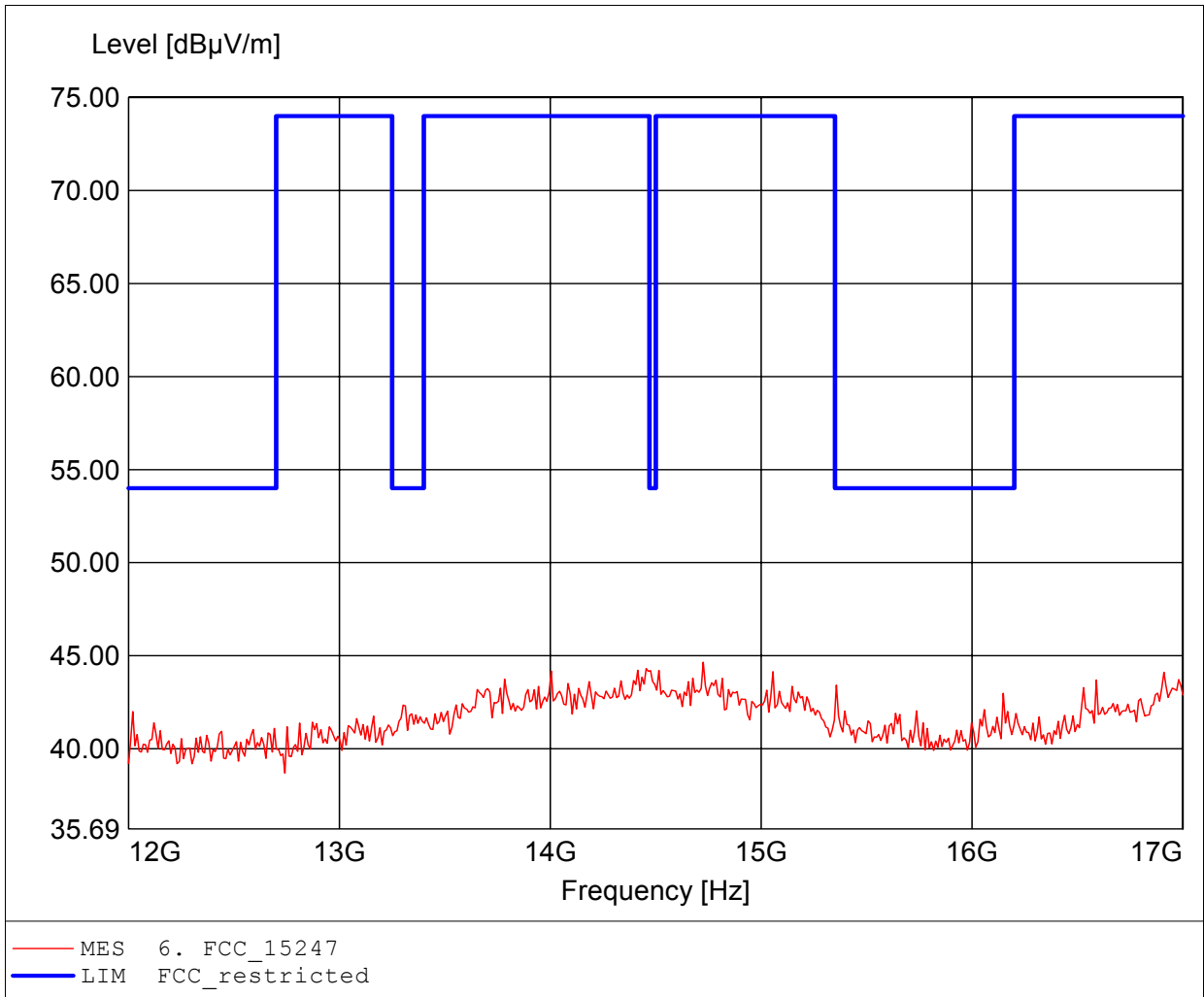
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 16.990GHz, Emax: 44.28dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

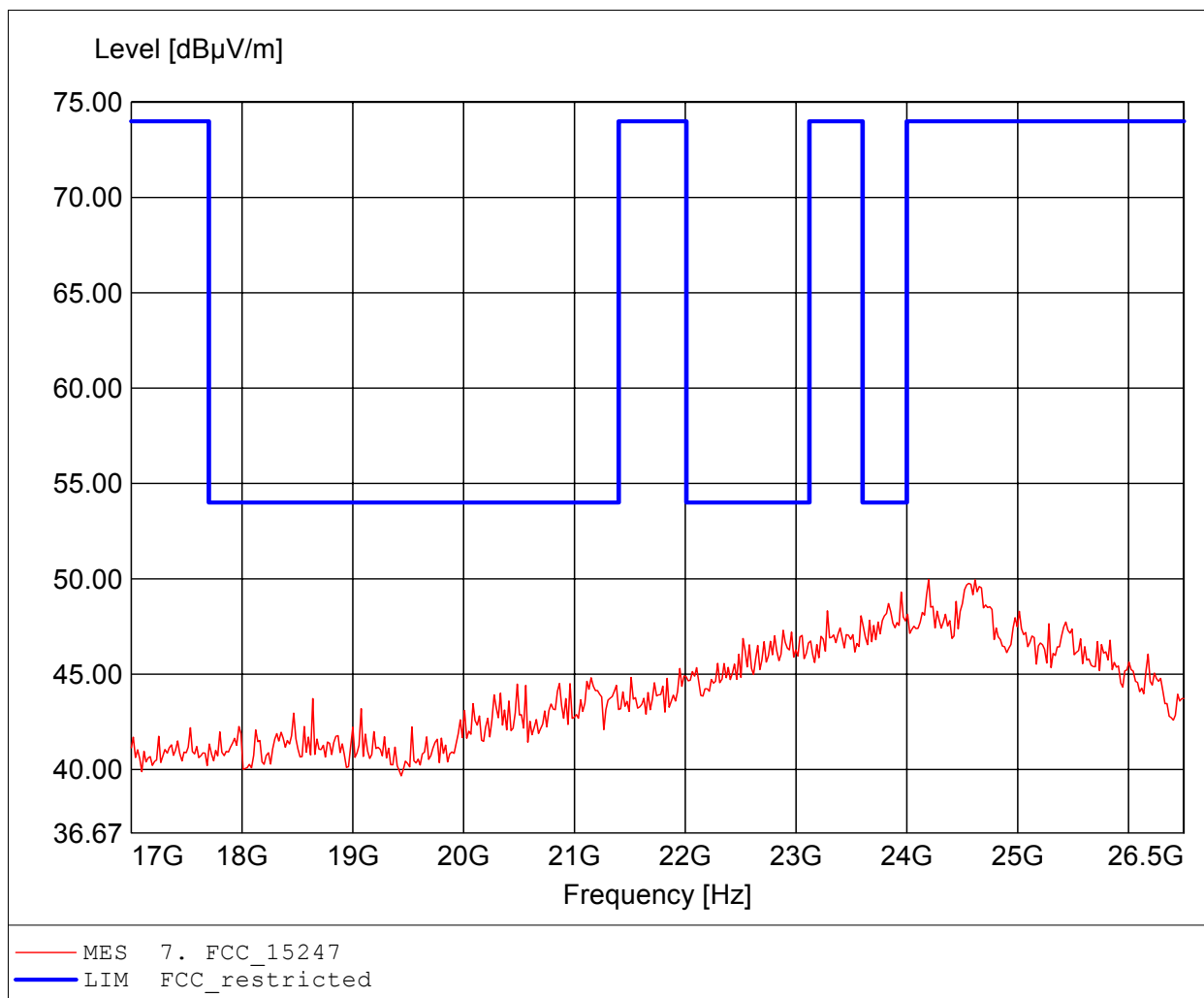
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.725GHz, Emax: 44.65dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

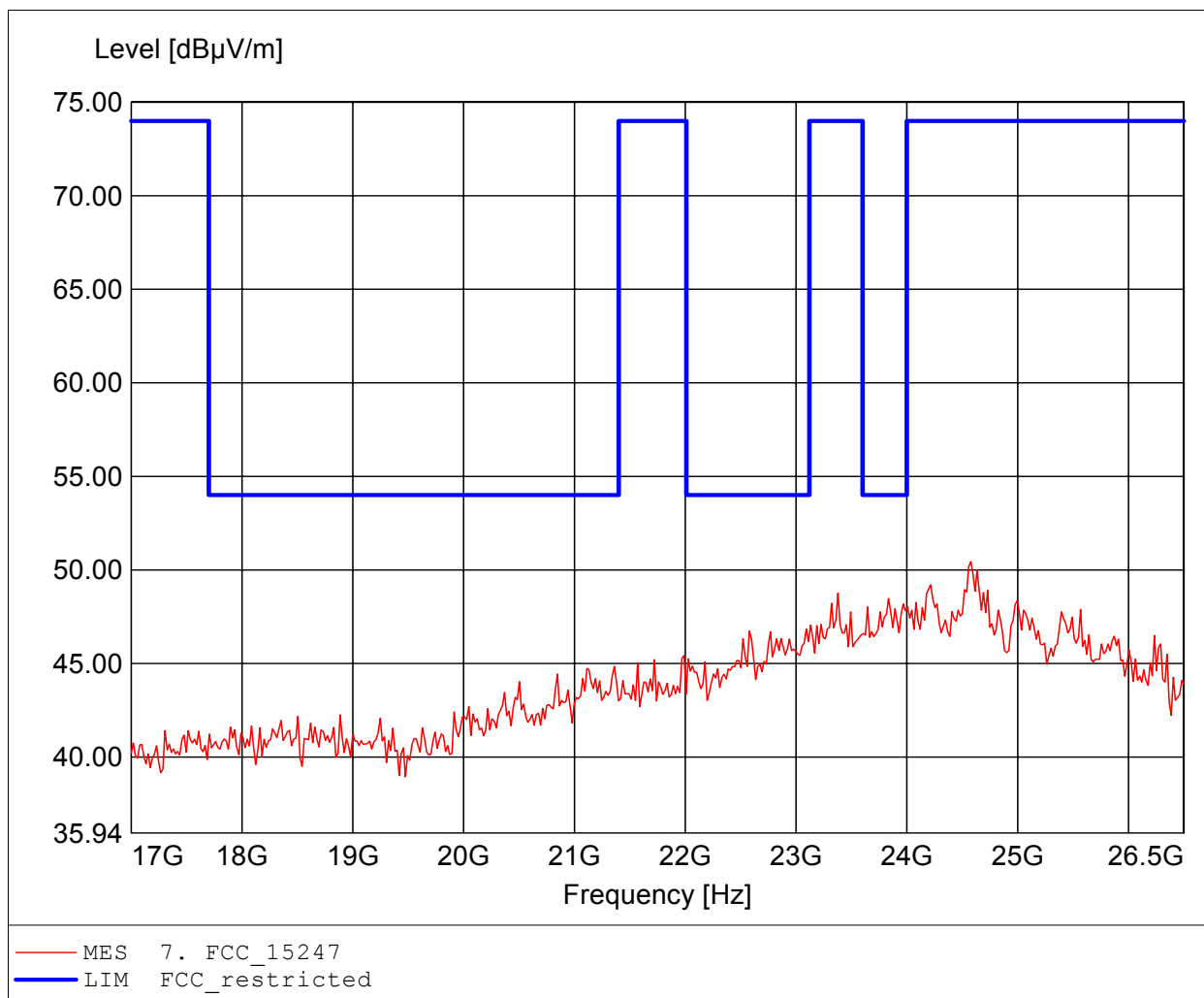
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.196GHz, Emax: 49.96dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

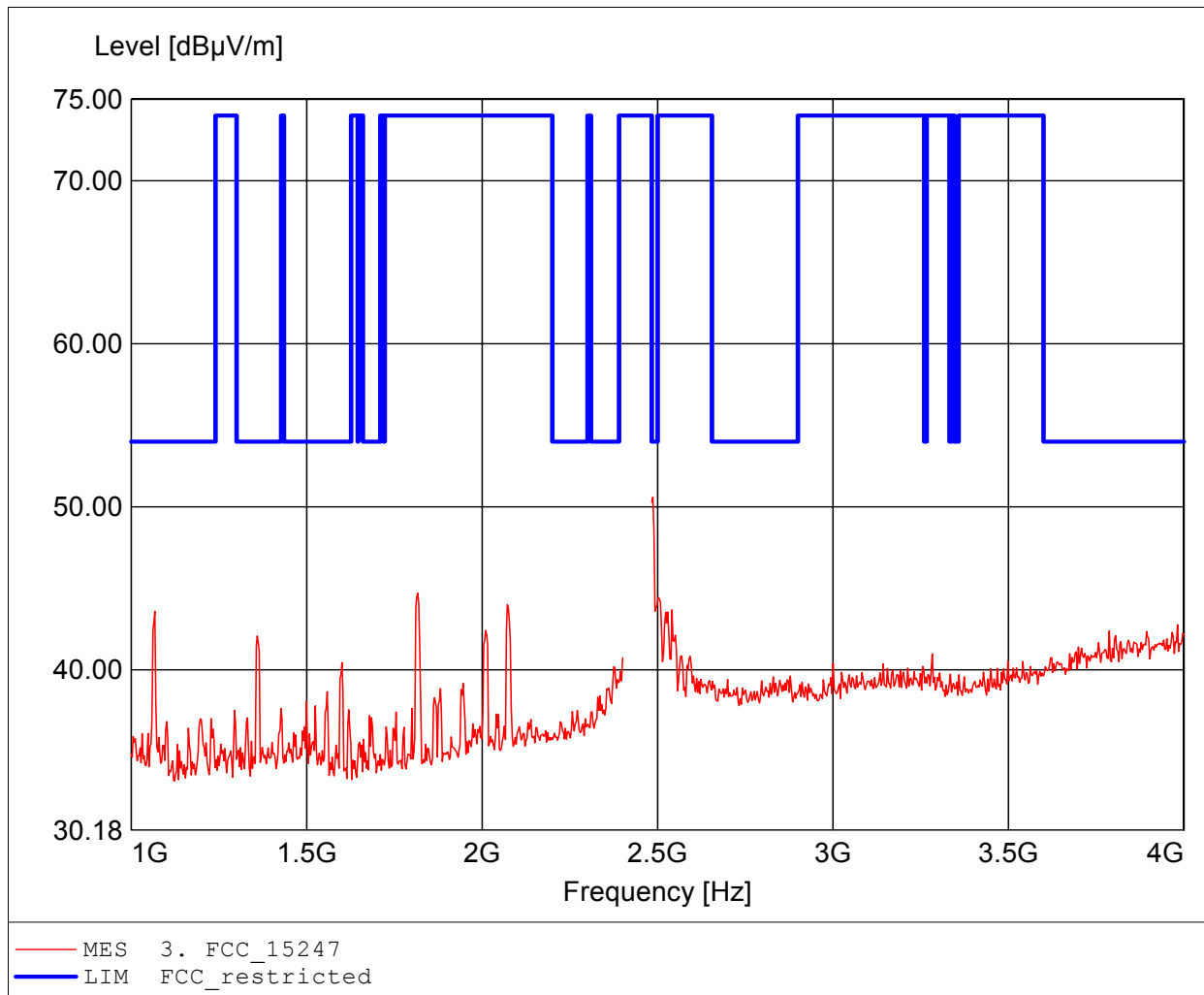
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.577GHz, Emax: 50.45dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

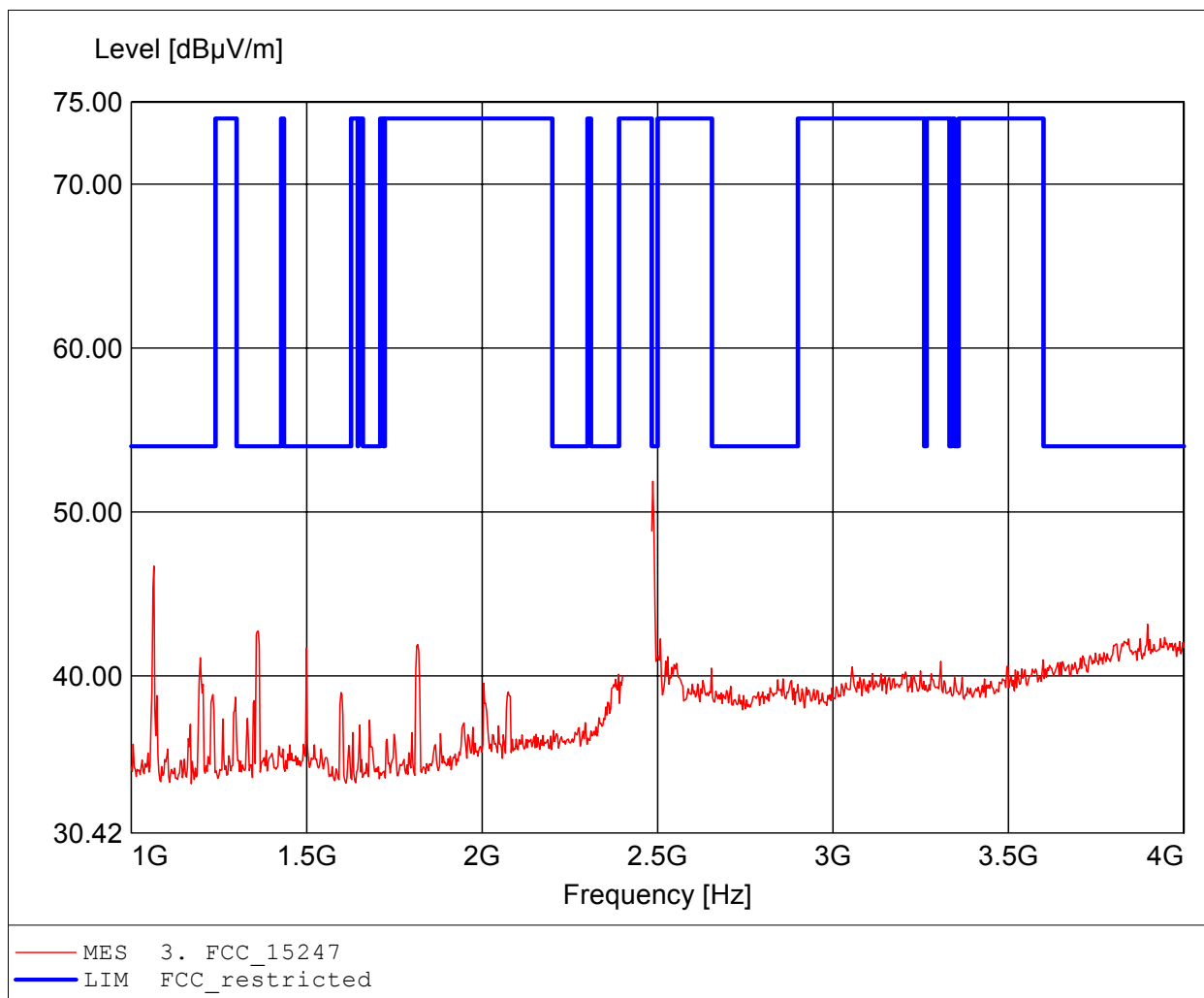
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 50.60dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

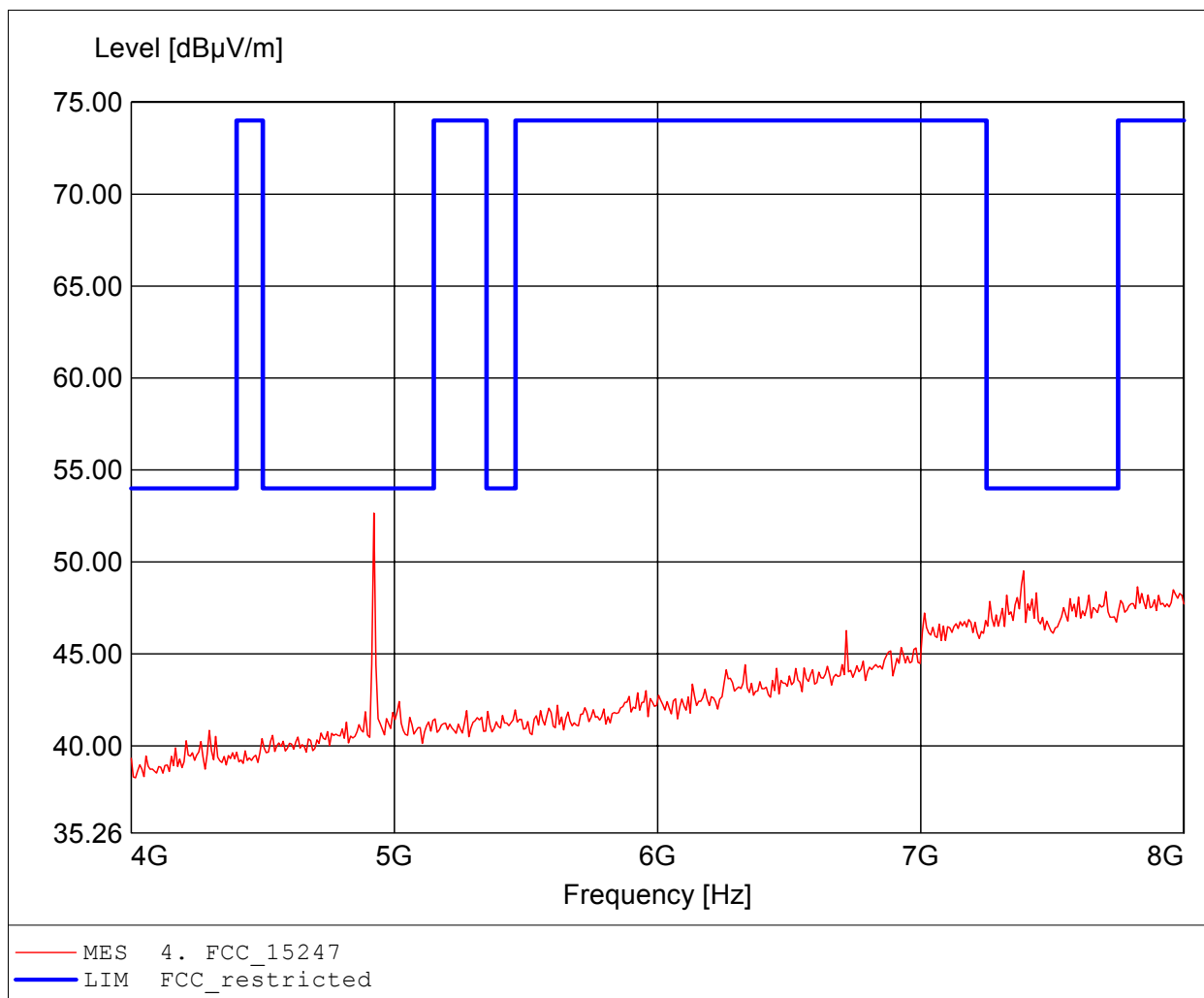
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 51.88dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

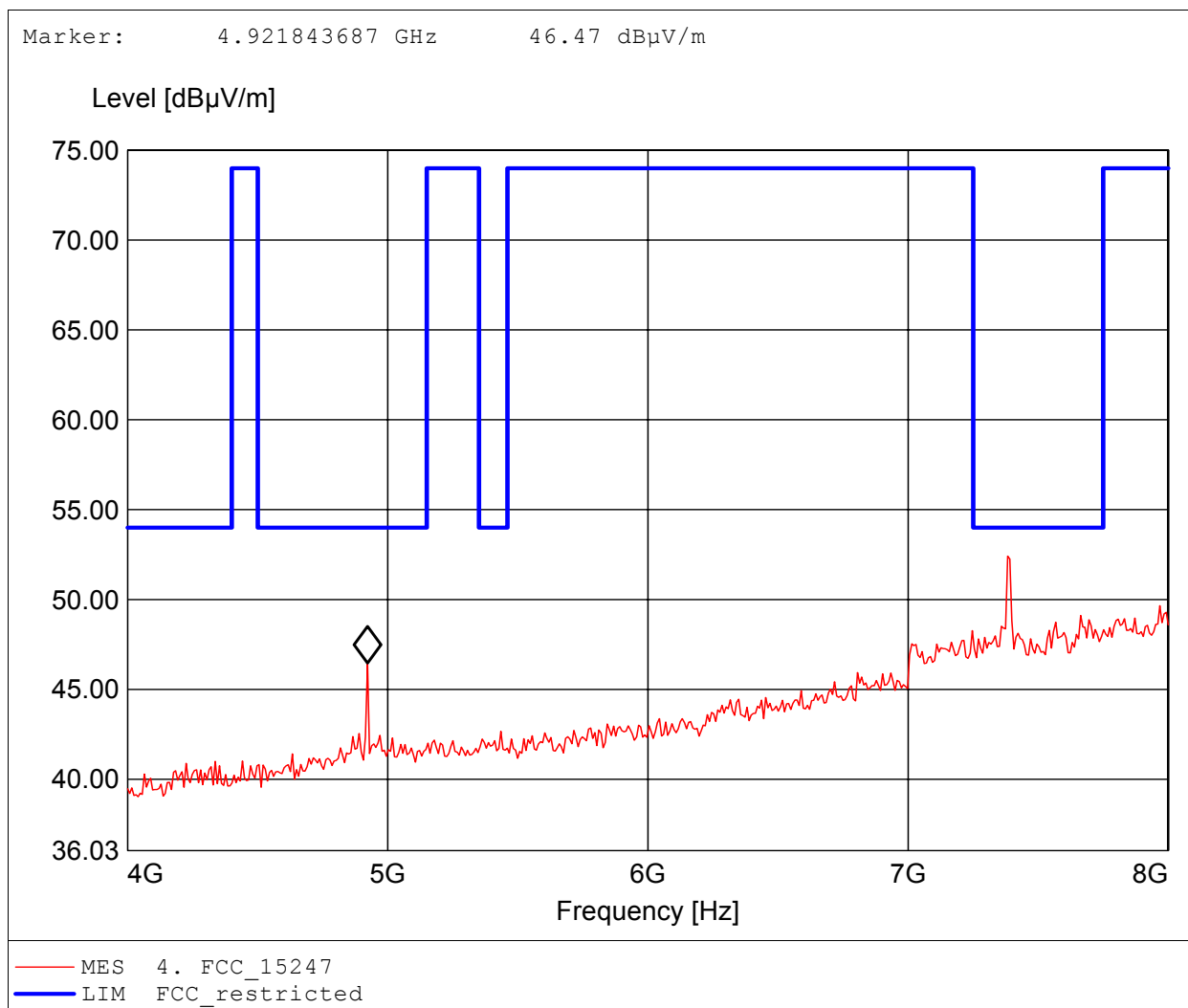
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.922GHz, Emax: 52.66dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

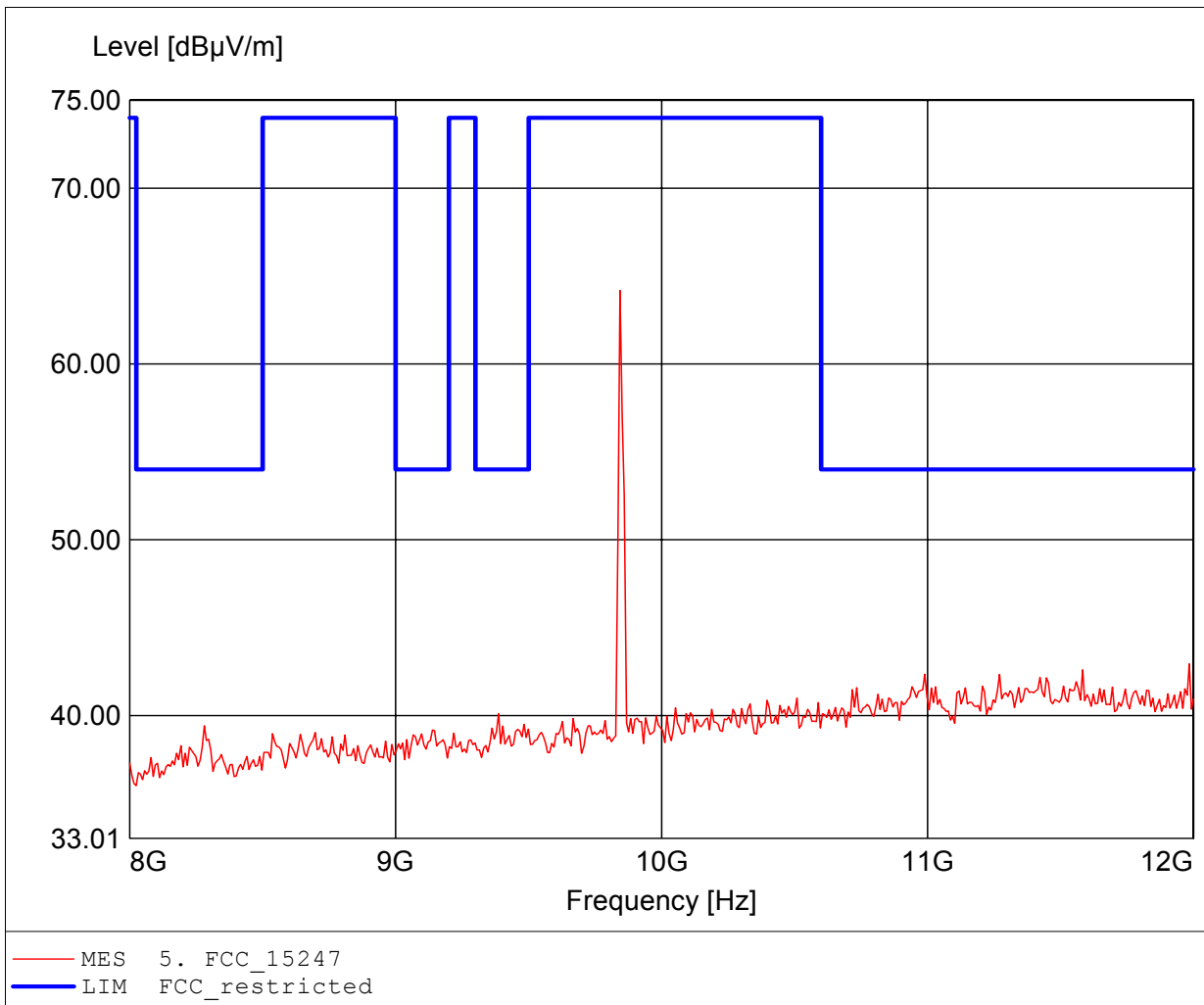
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.383GHz, Emax: 52.42dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

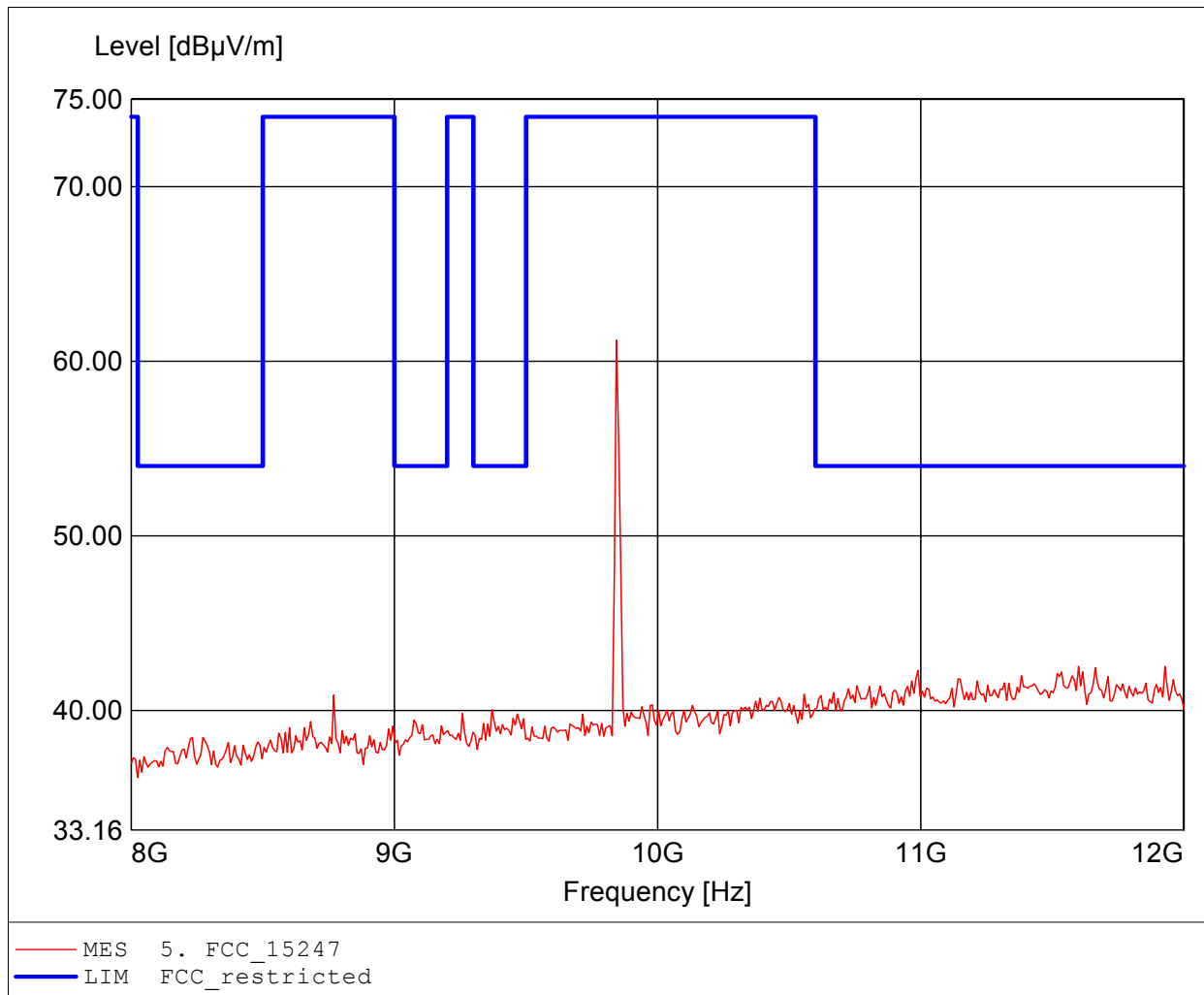
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.844GHz, Emax: 64.18dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

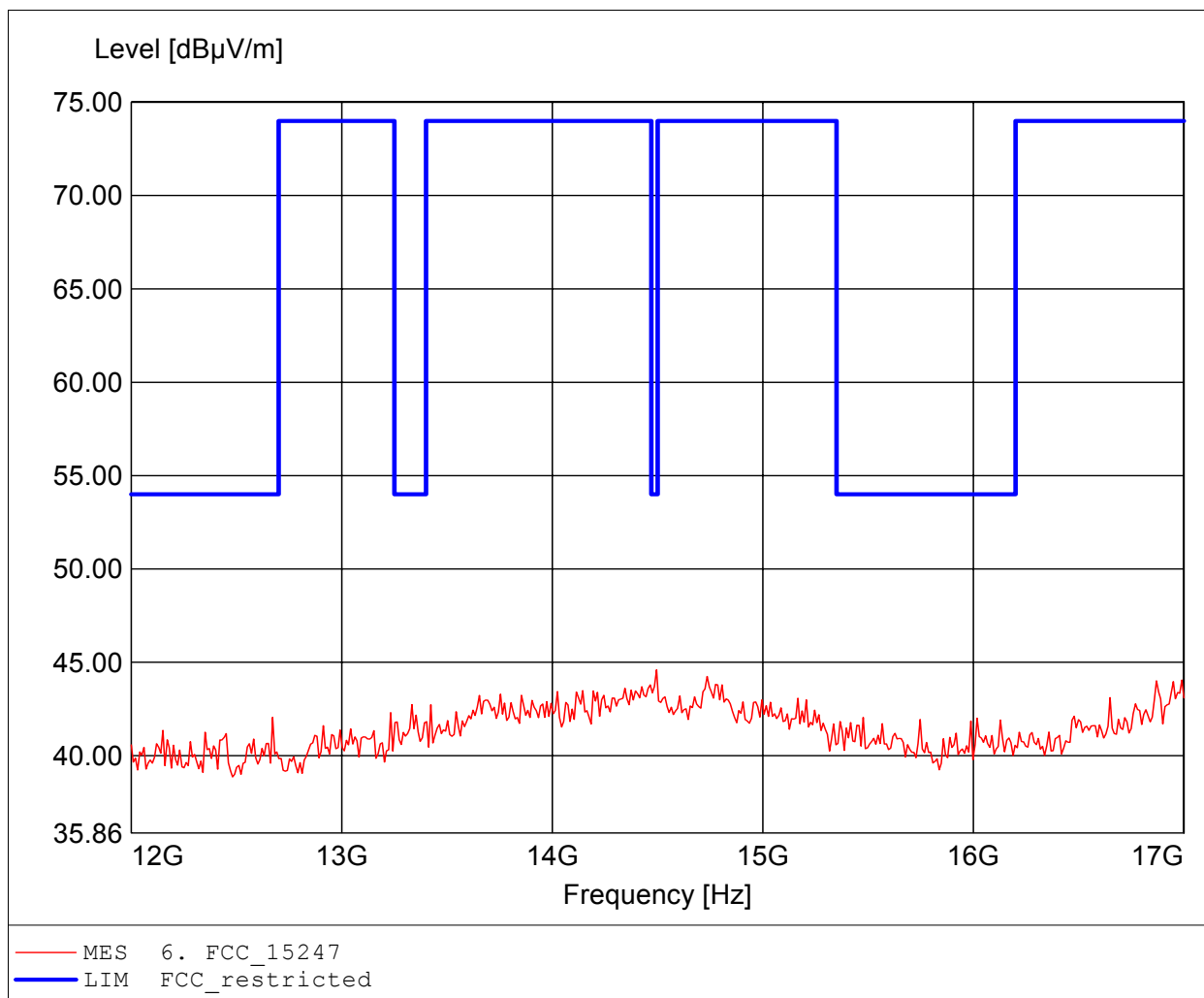
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.844GHz, Emax: 61.21dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

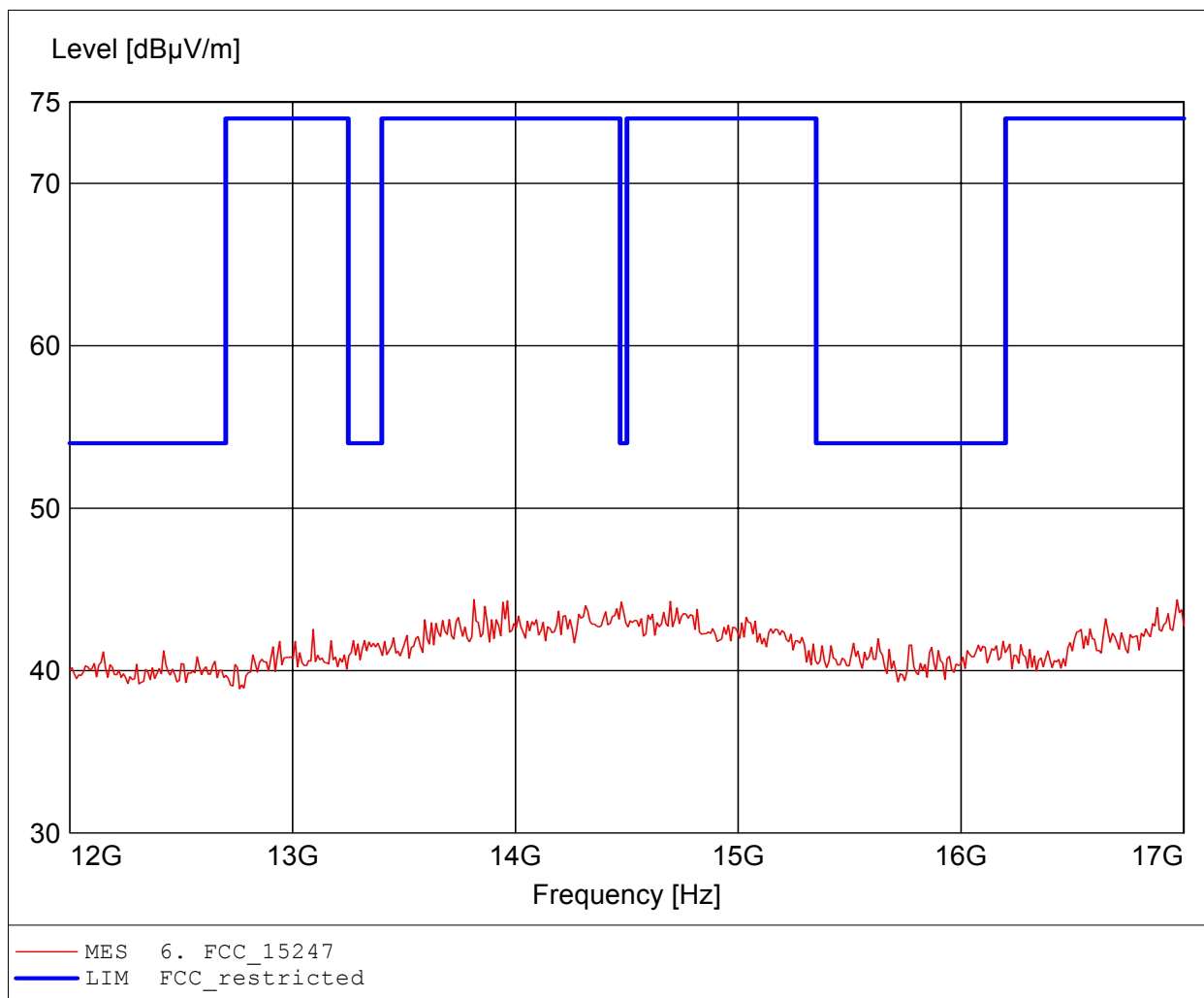
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.495GHz, Emax: 44.60dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

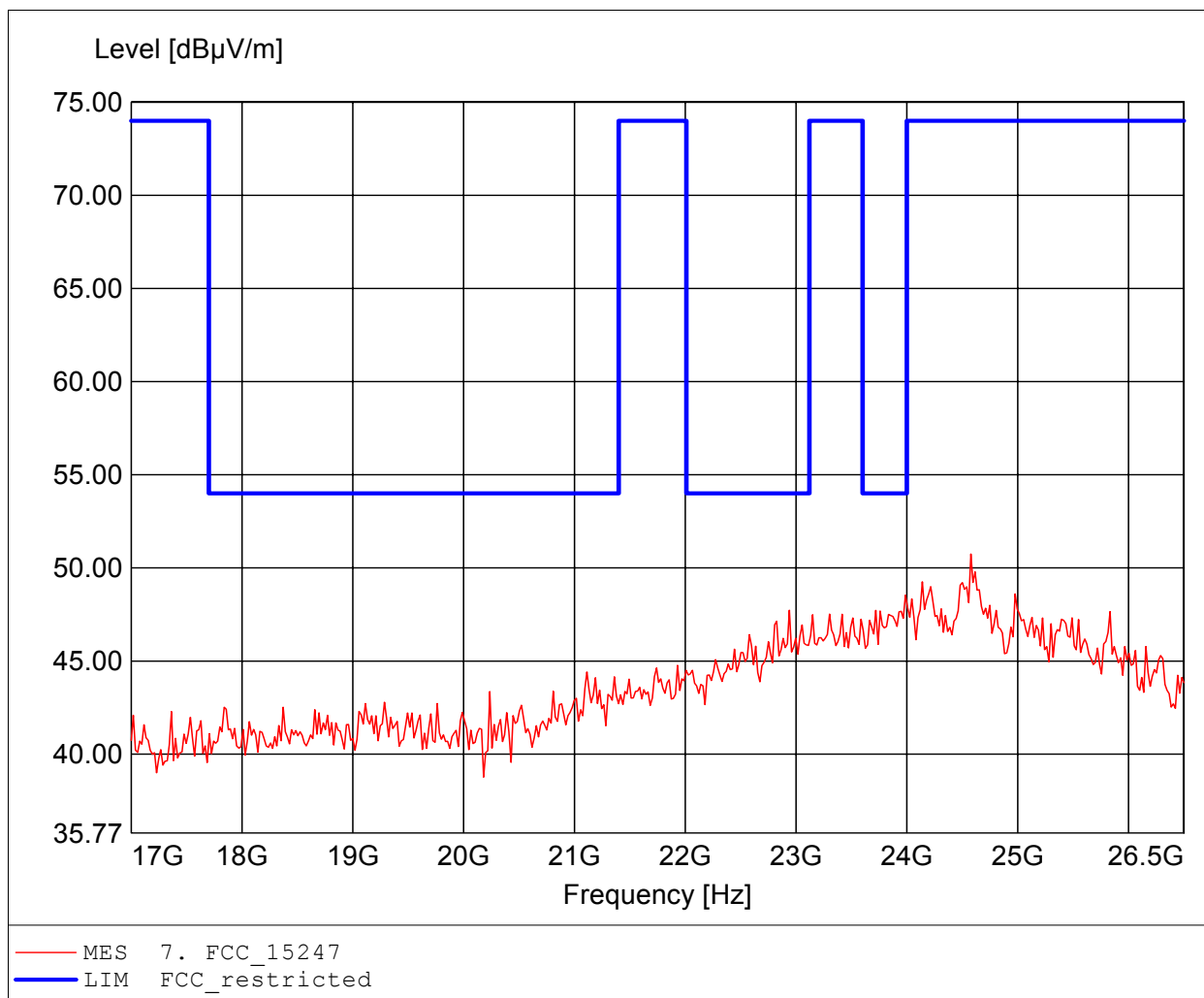
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.814GHz, Emax: 44.37dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

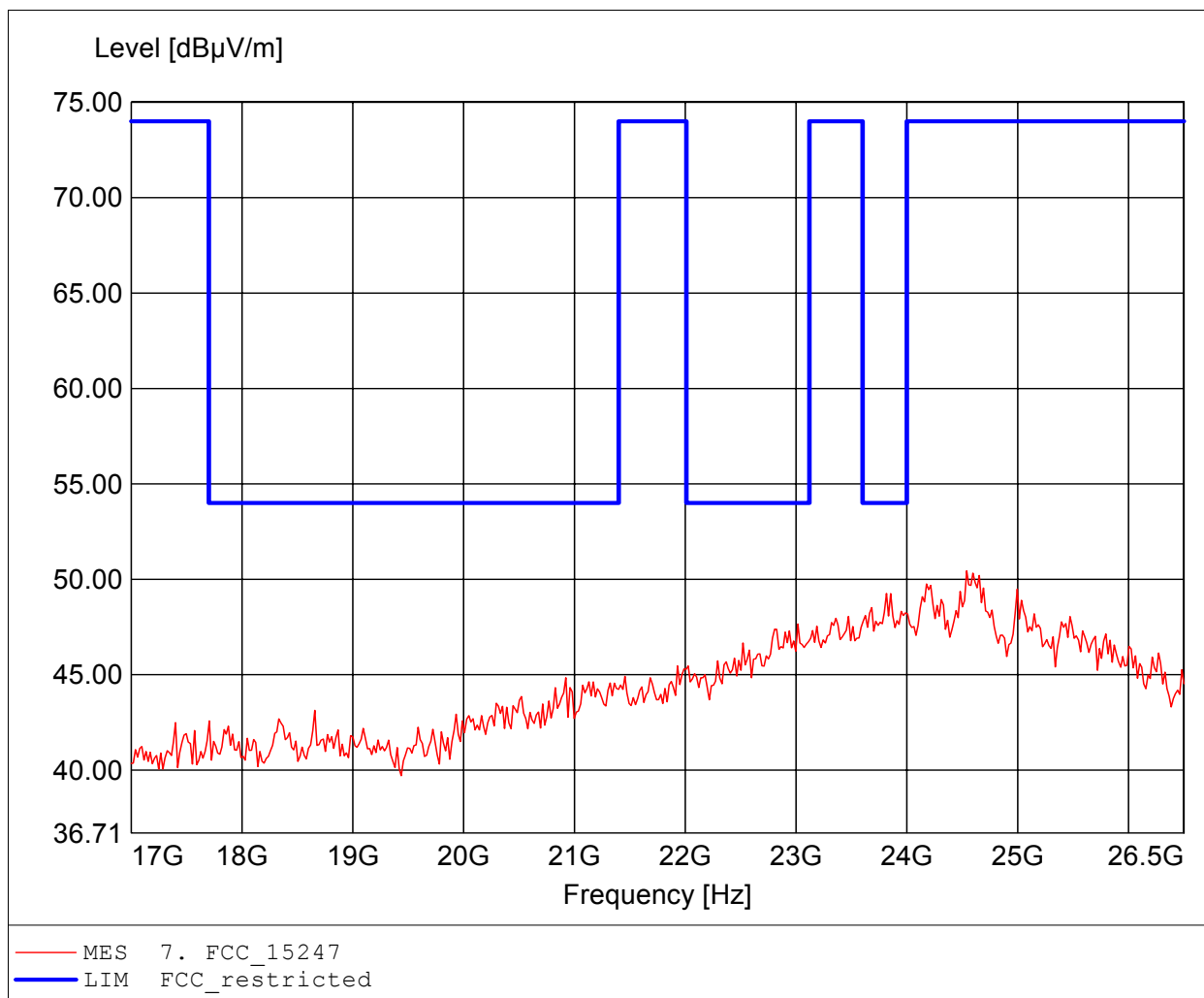
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.577GHz, Emax: 50.74dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

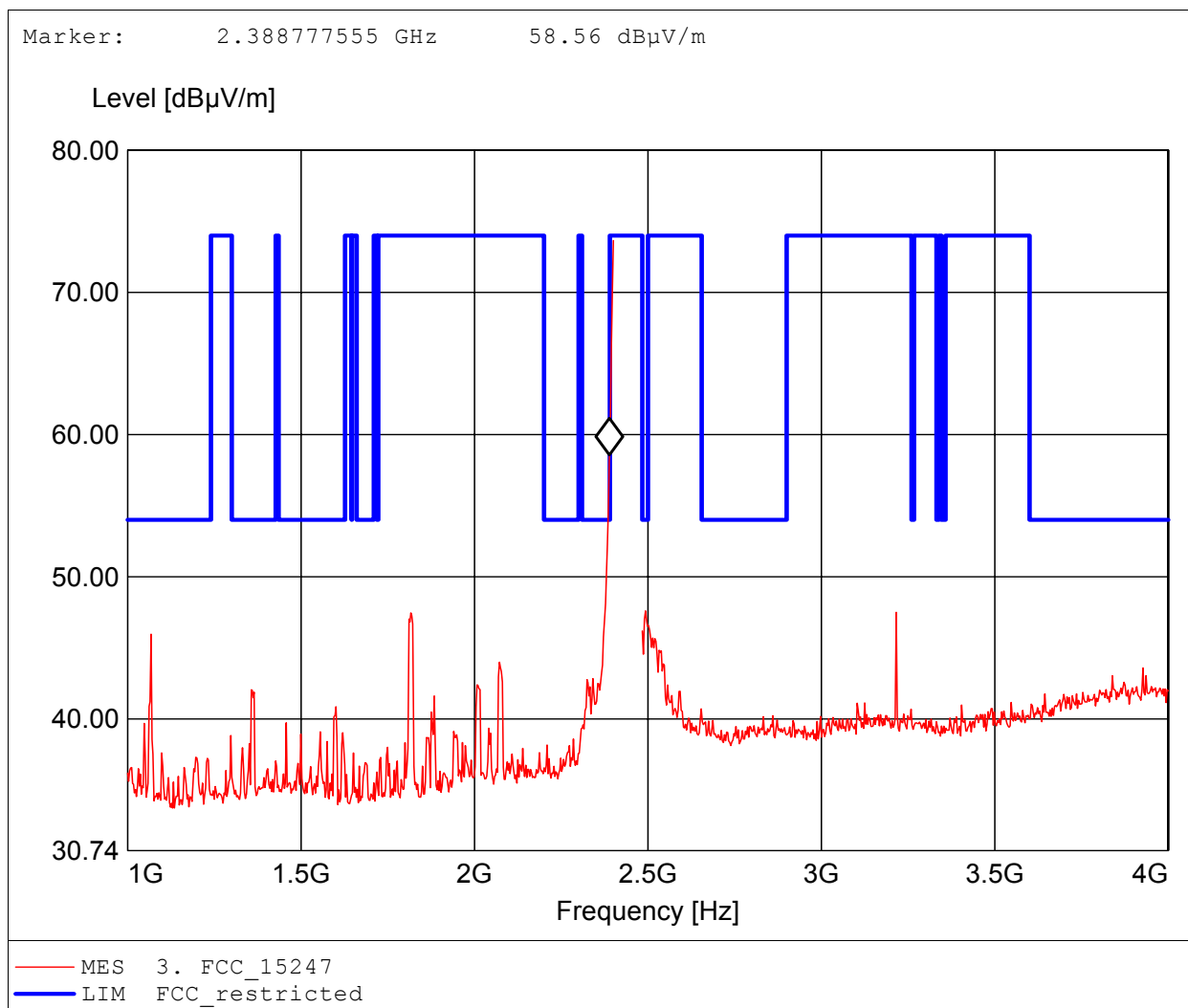
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: DSSS / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.539GHz, Emax: 50.44dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

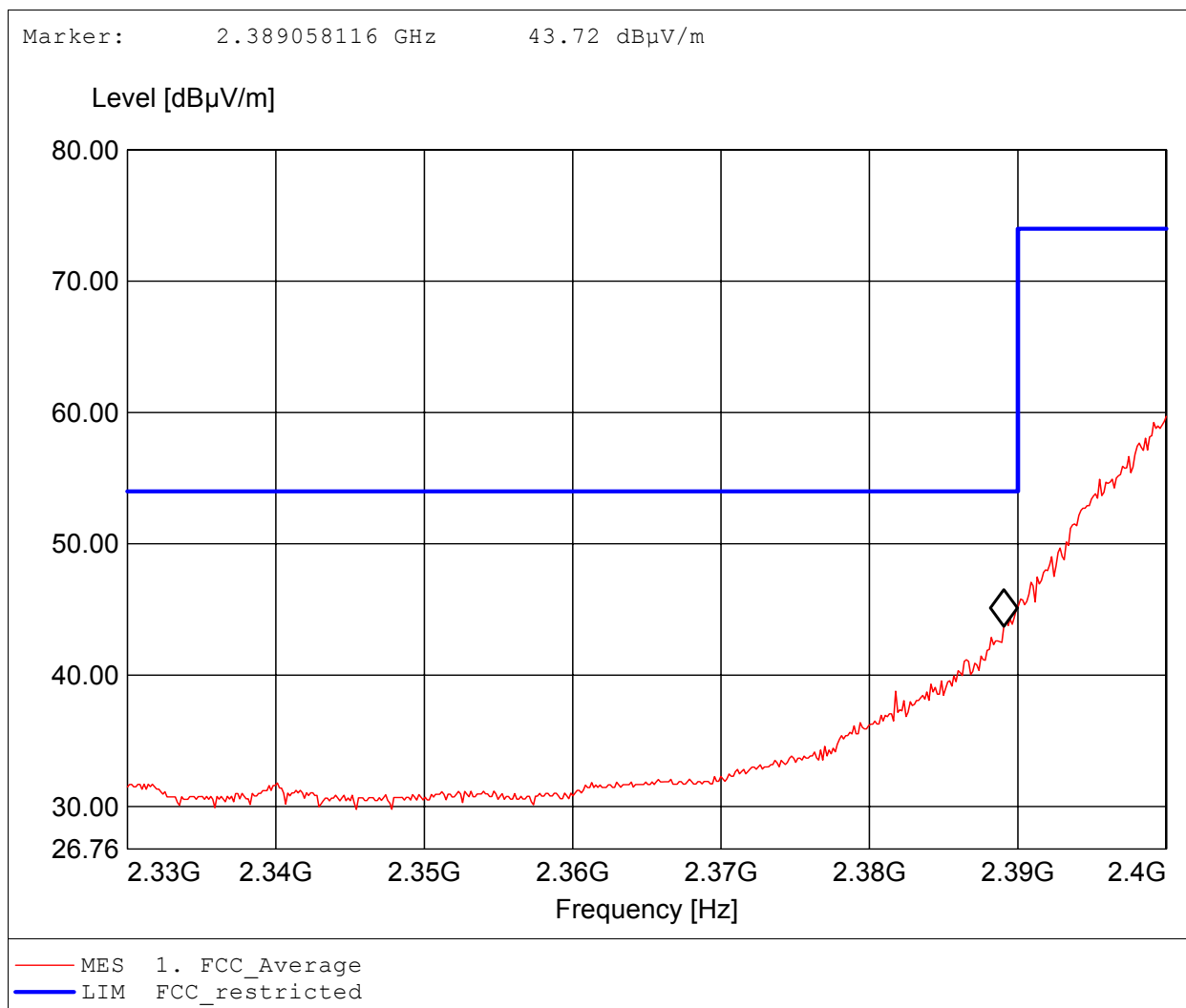
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 78.65dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

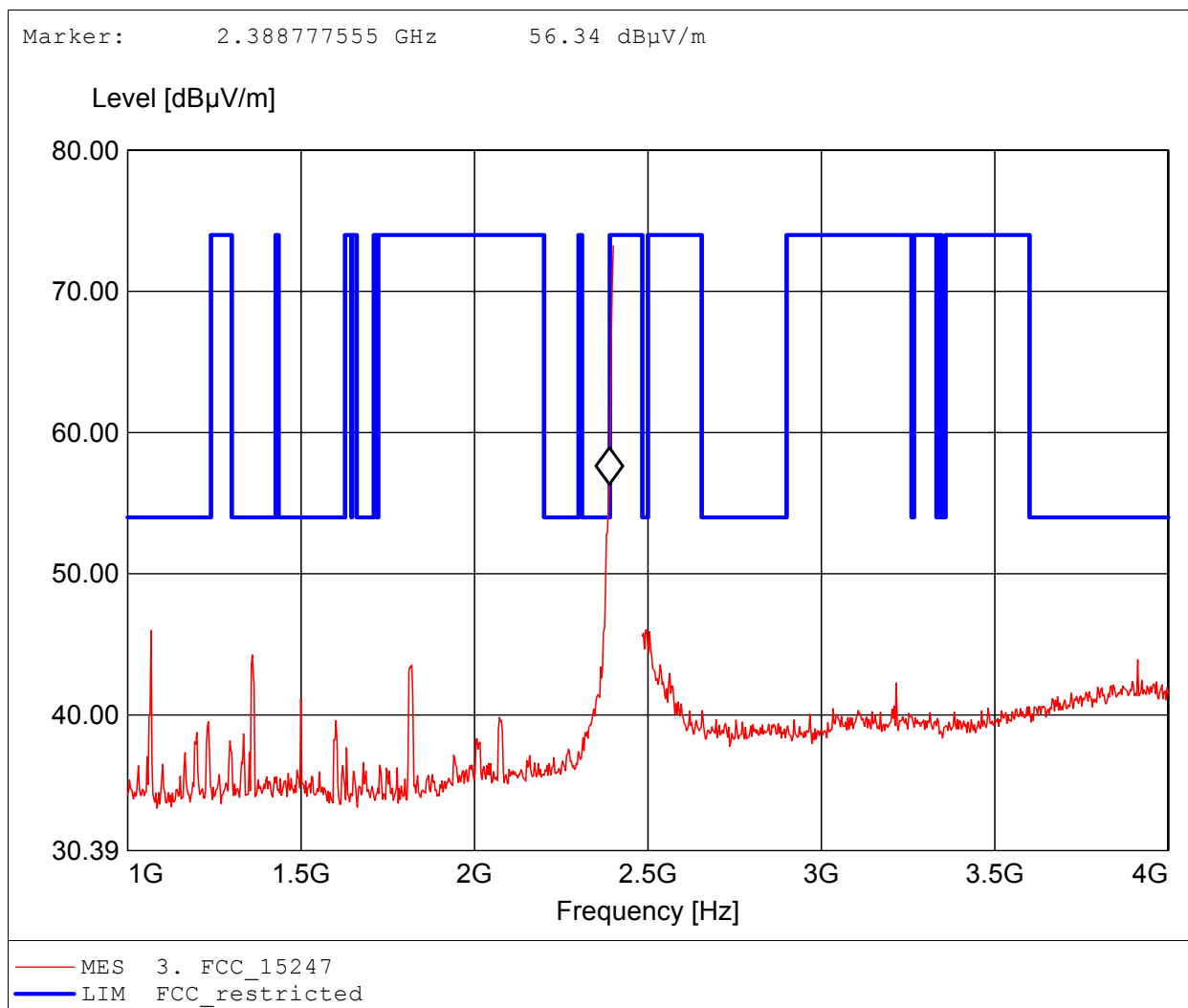
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 59.72dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

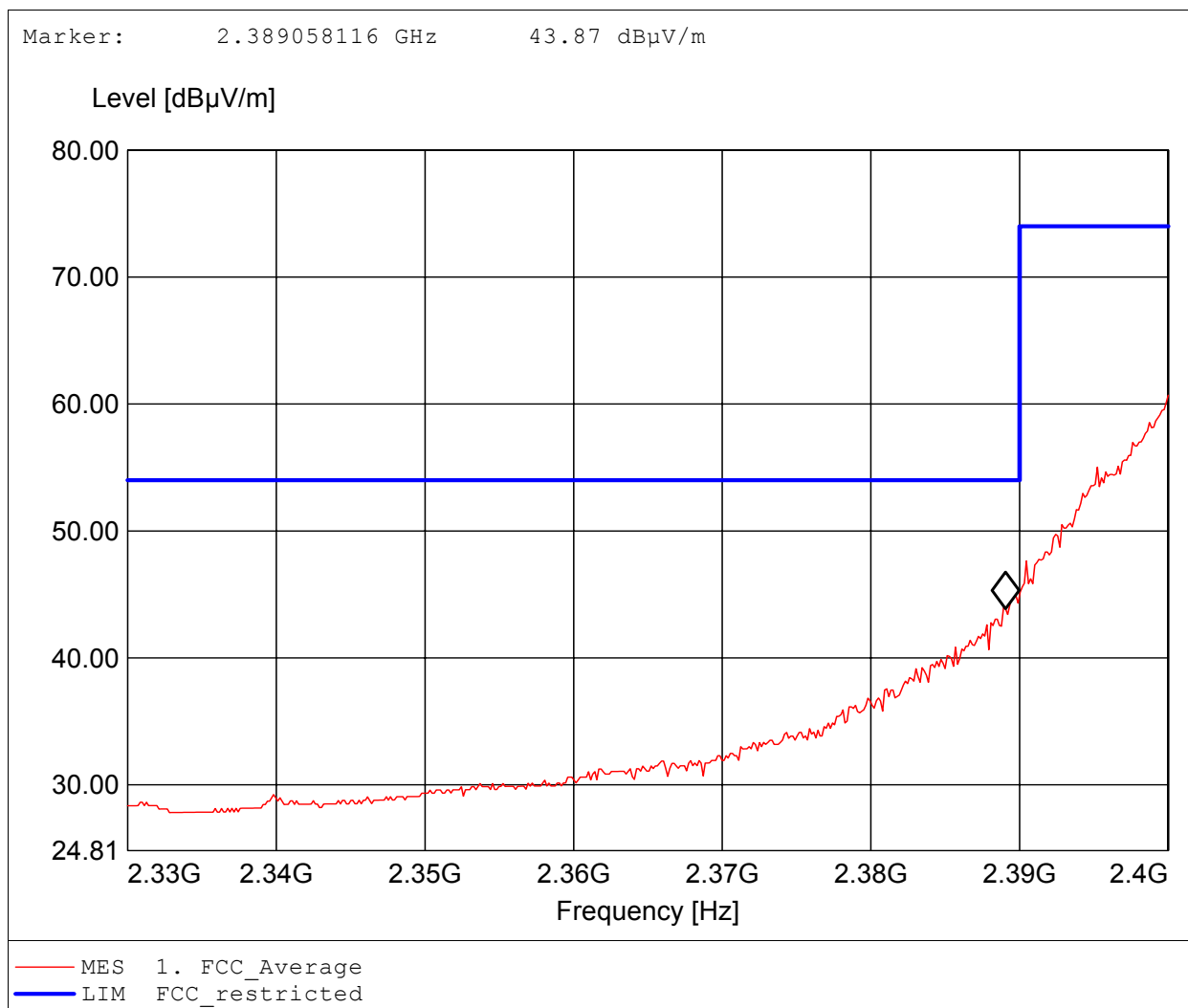
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 78.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

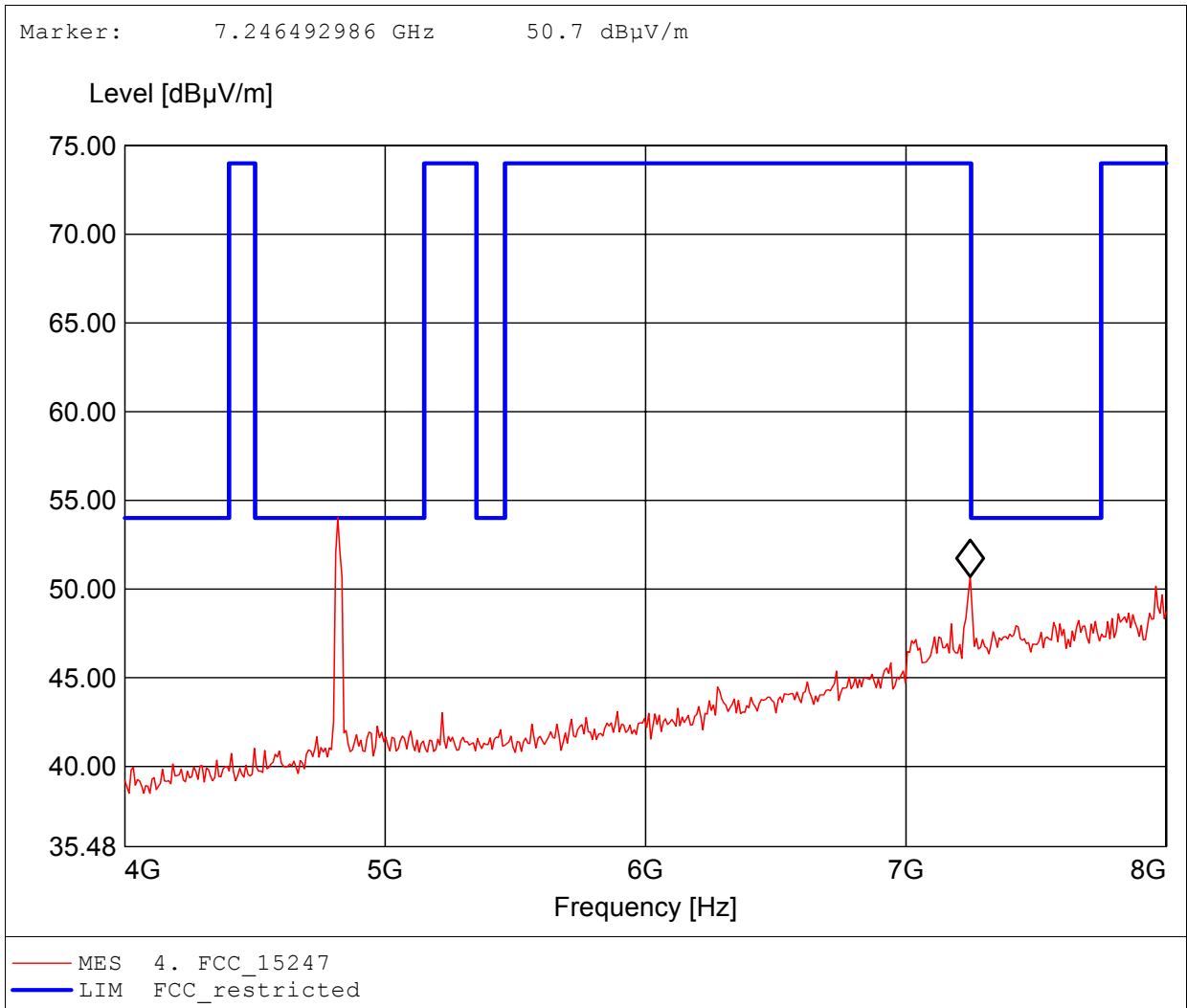
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 60.69dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

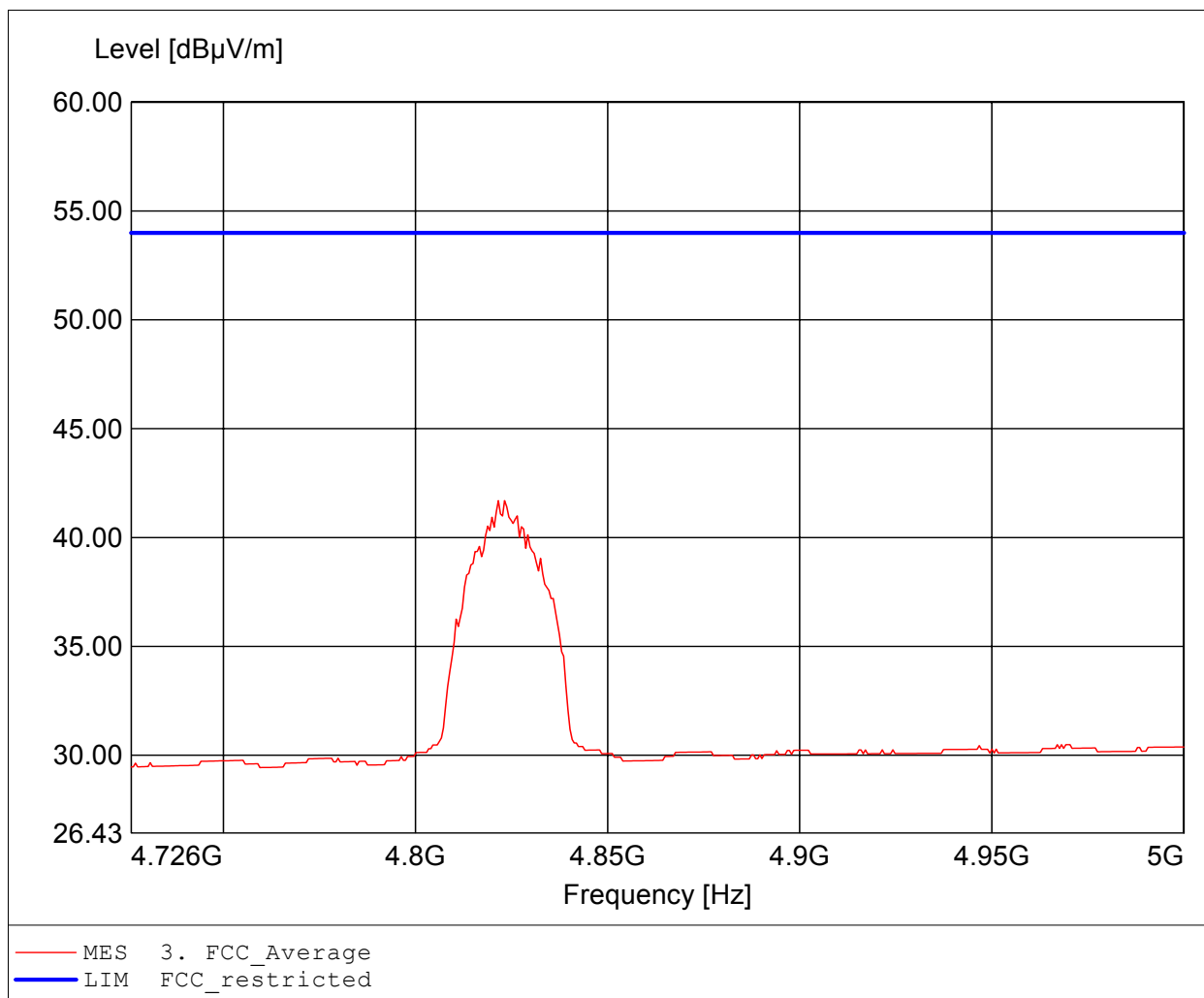
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.818GHz, Emax: 54.02dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

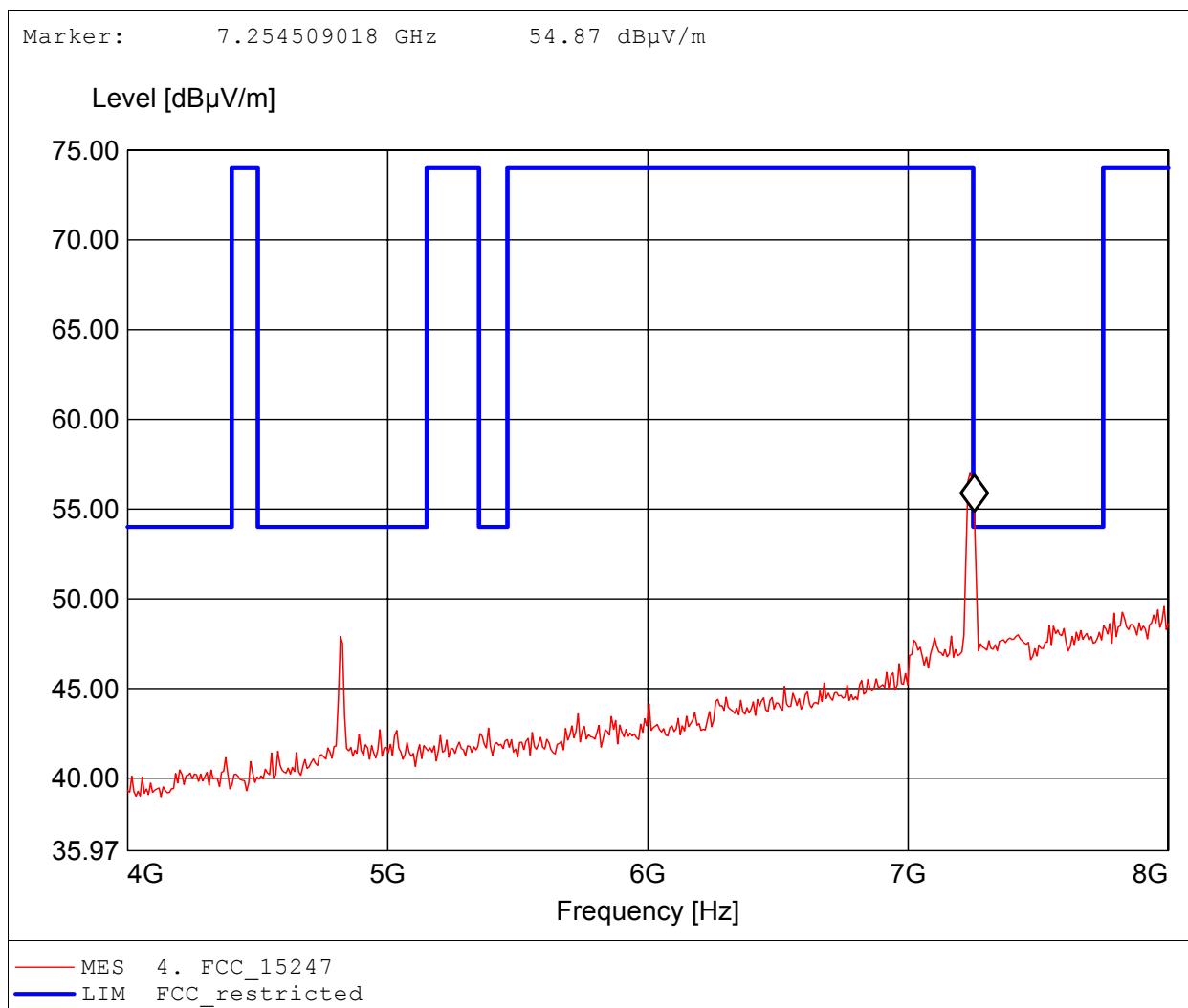
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 4.823GHz, Emax: 41.70dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

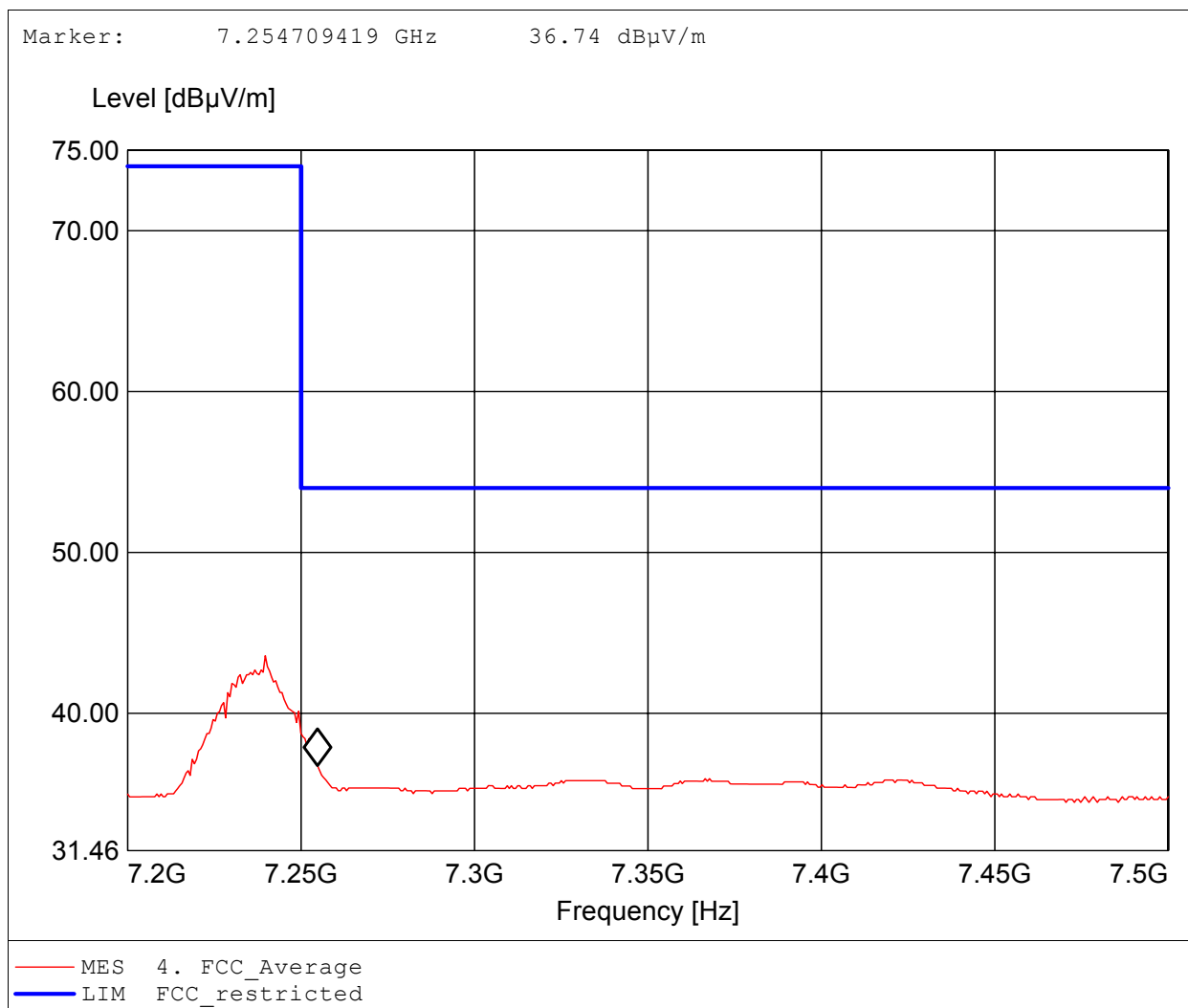
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.238GHz, Emax: 57.00dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

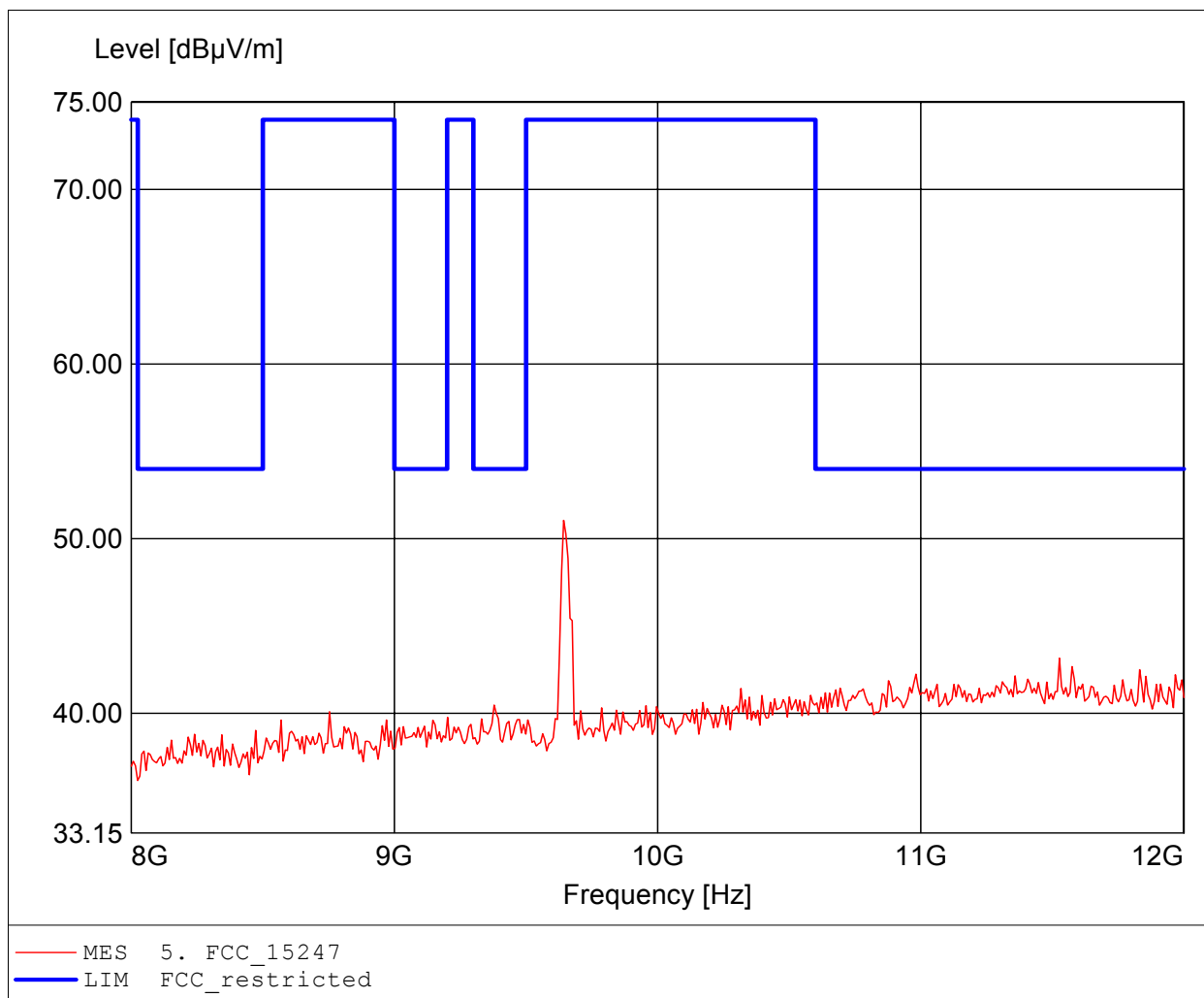
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 7.240GHz, Emax: 43.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

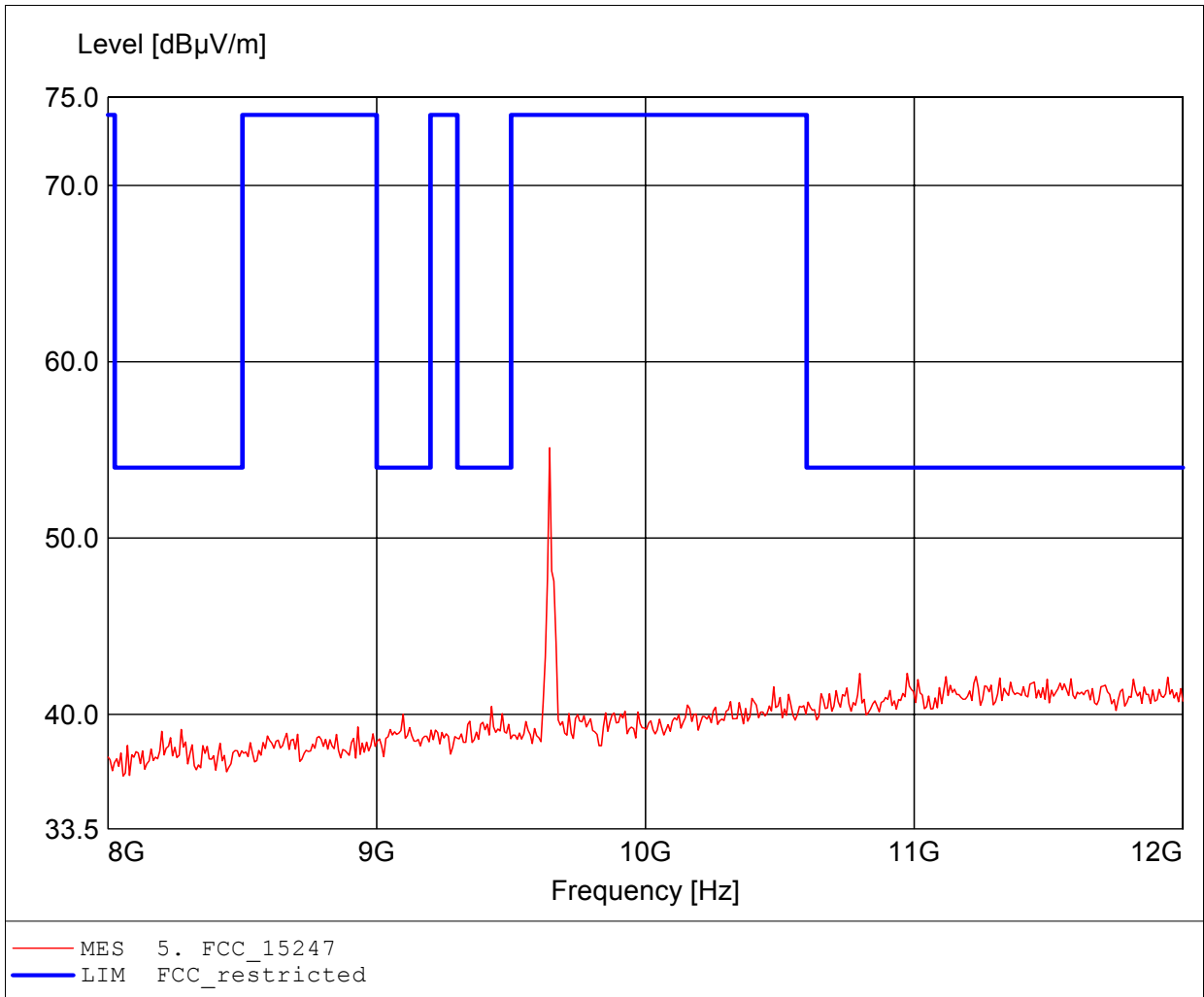
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.643GHz, Emax: 51.05dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

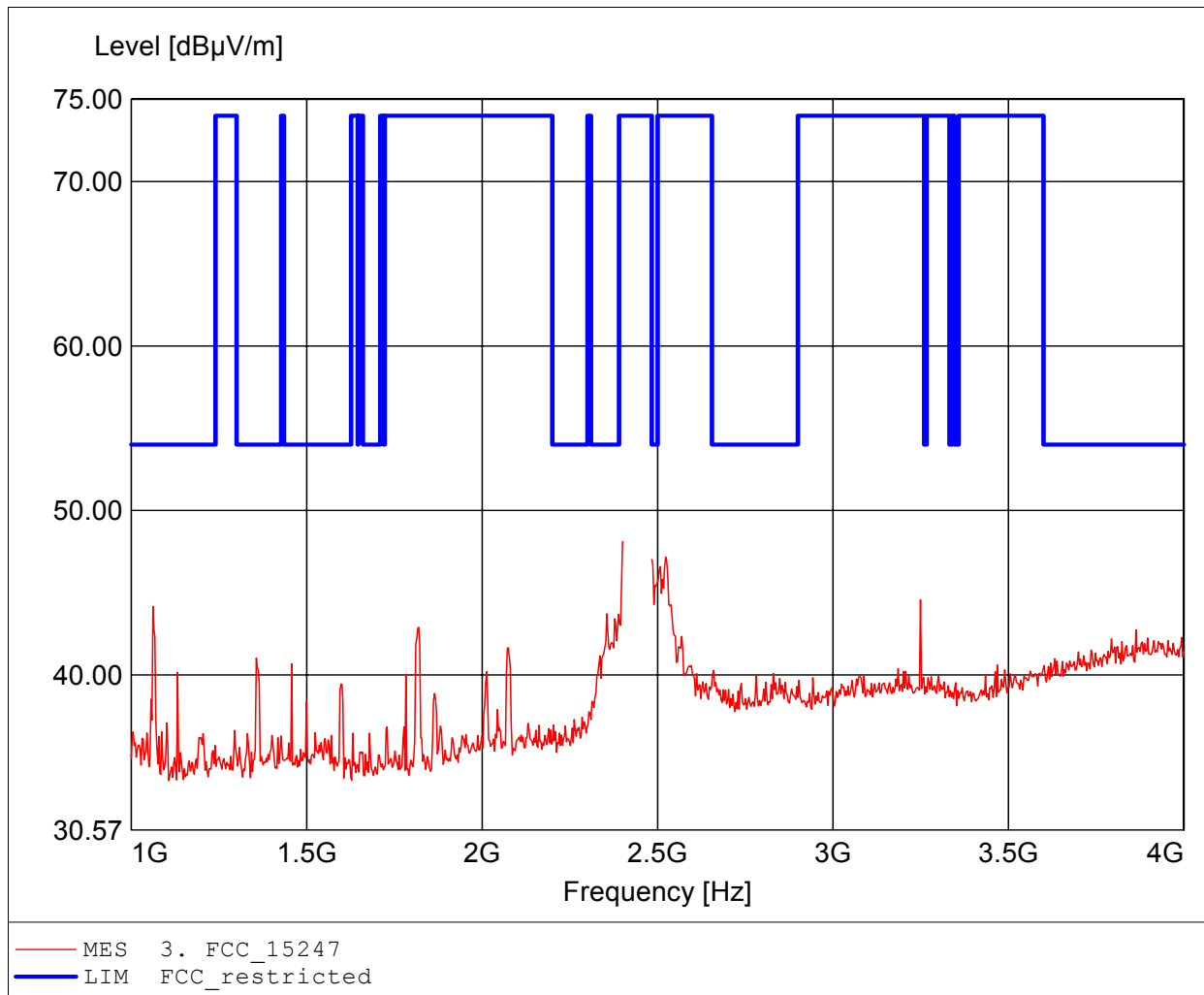
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.643GHz, Emax: 55.12dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

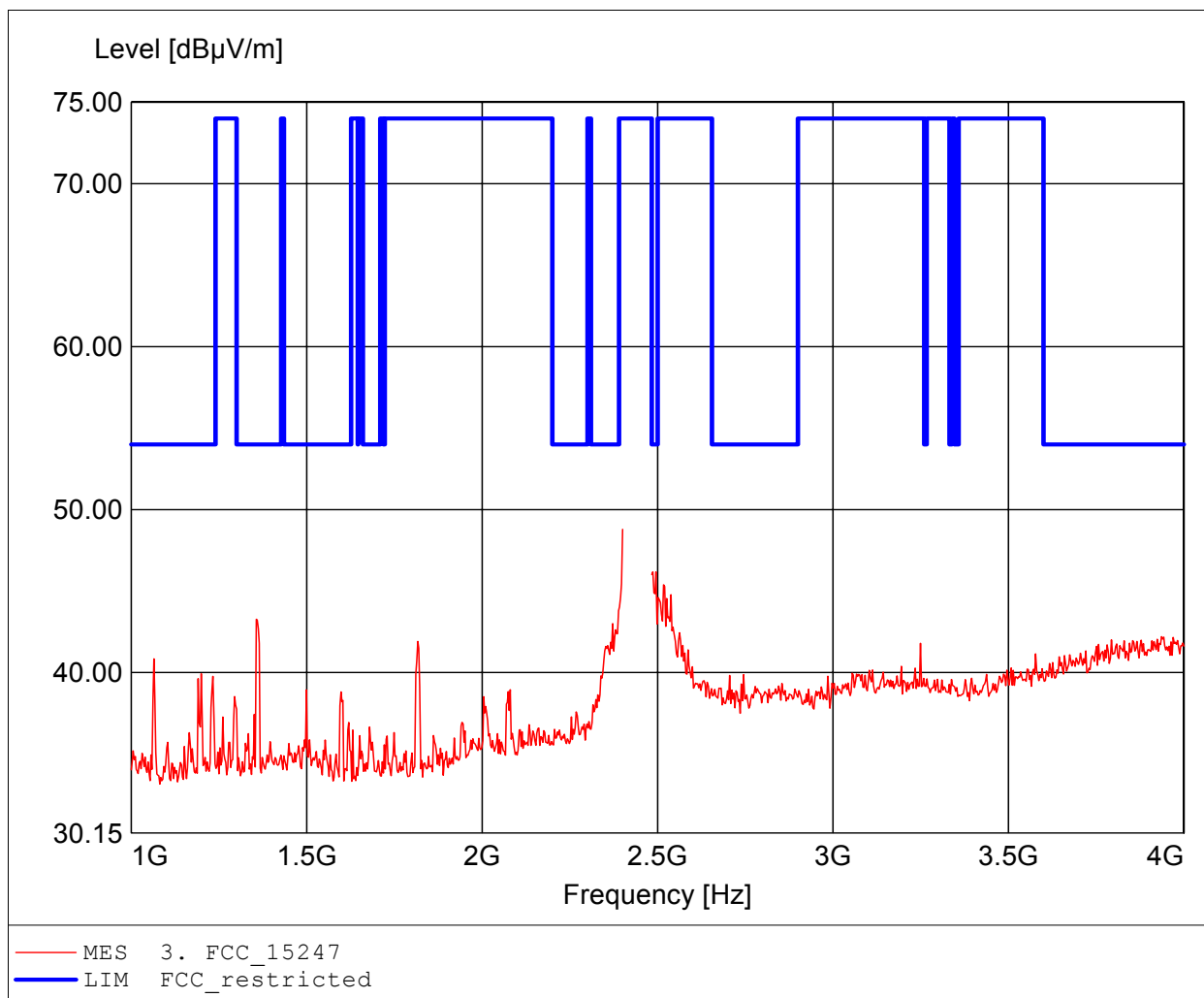
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 48.11dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

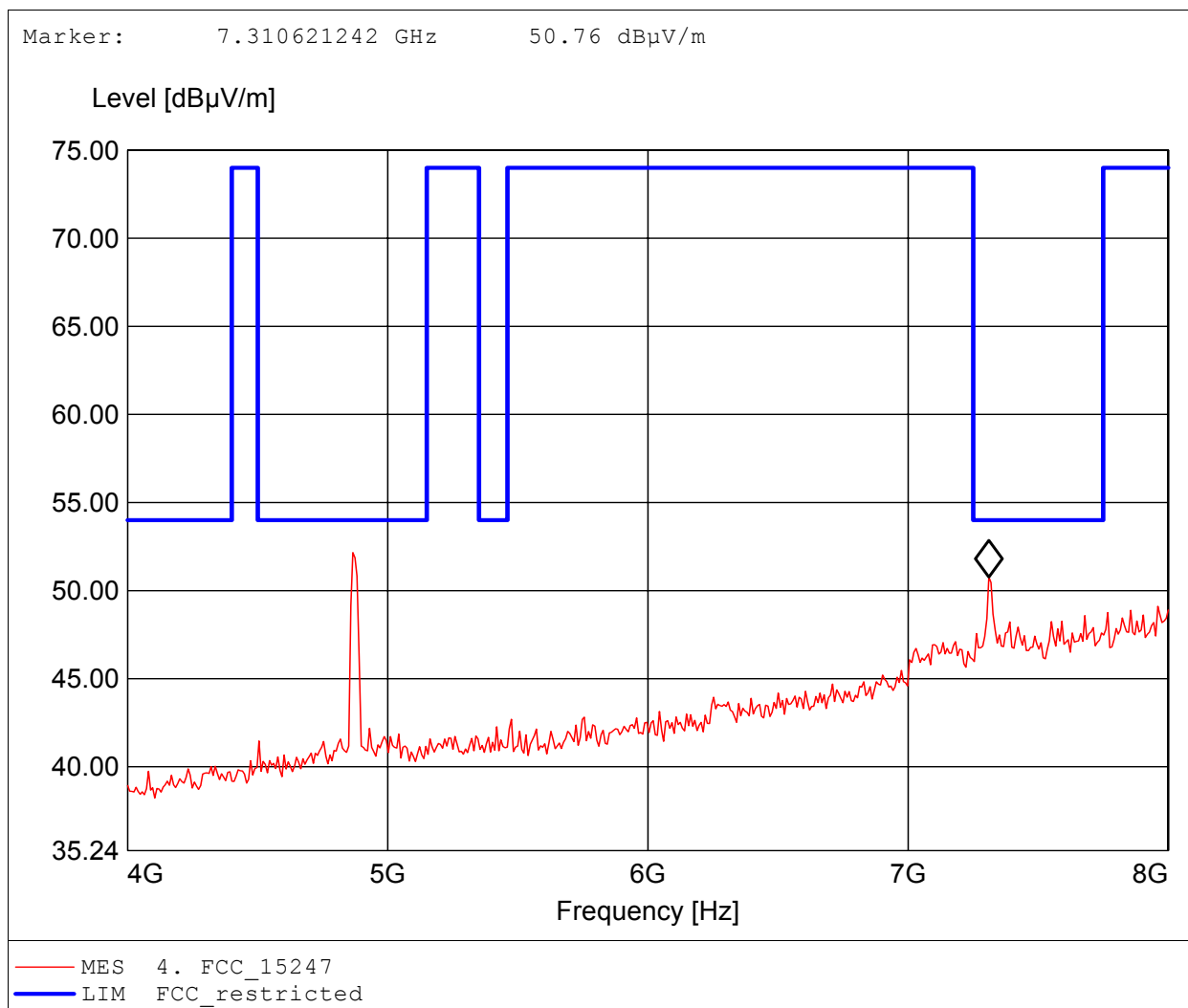
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 48.79dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

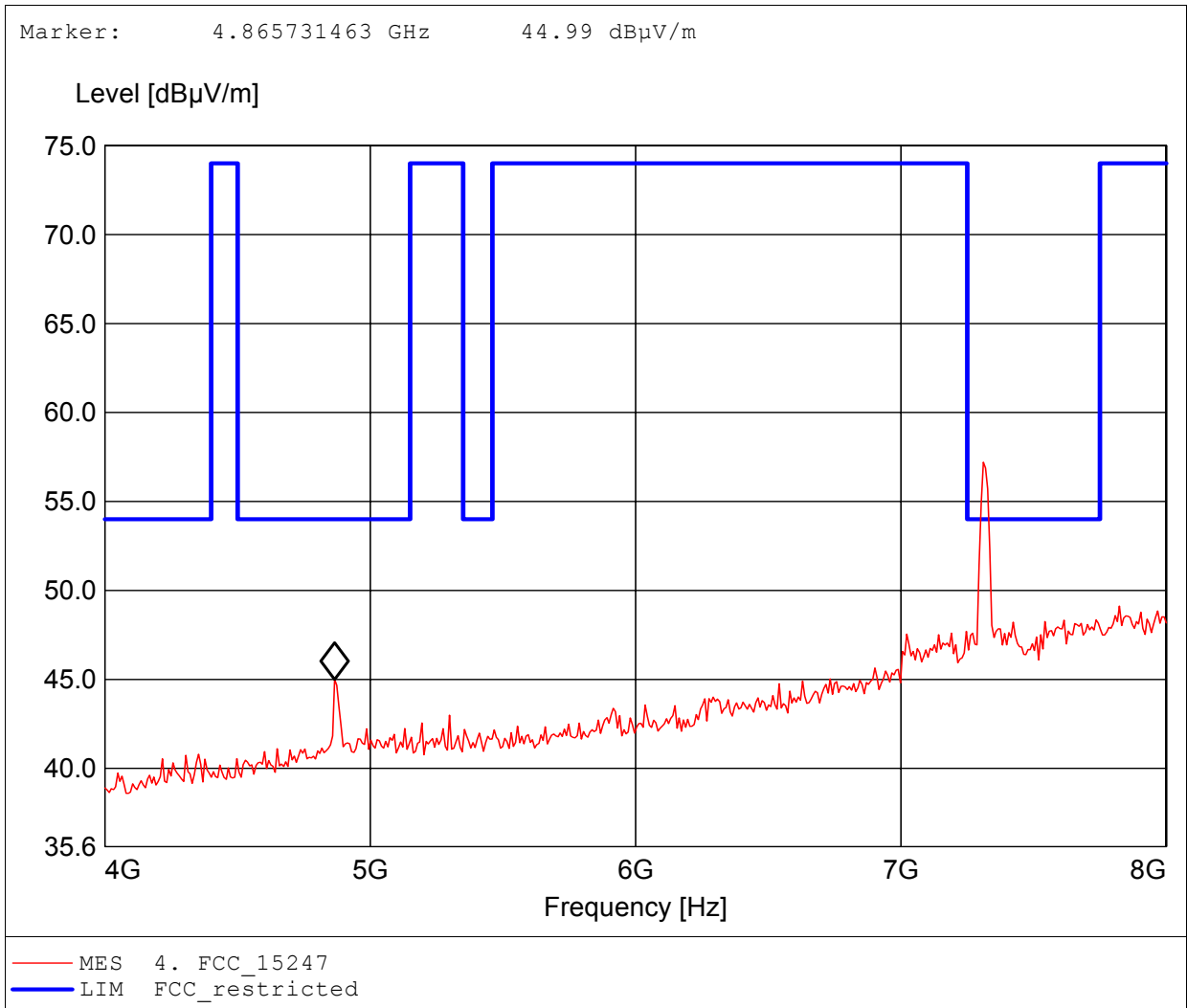
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.866GHz, Emax: 52.15dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

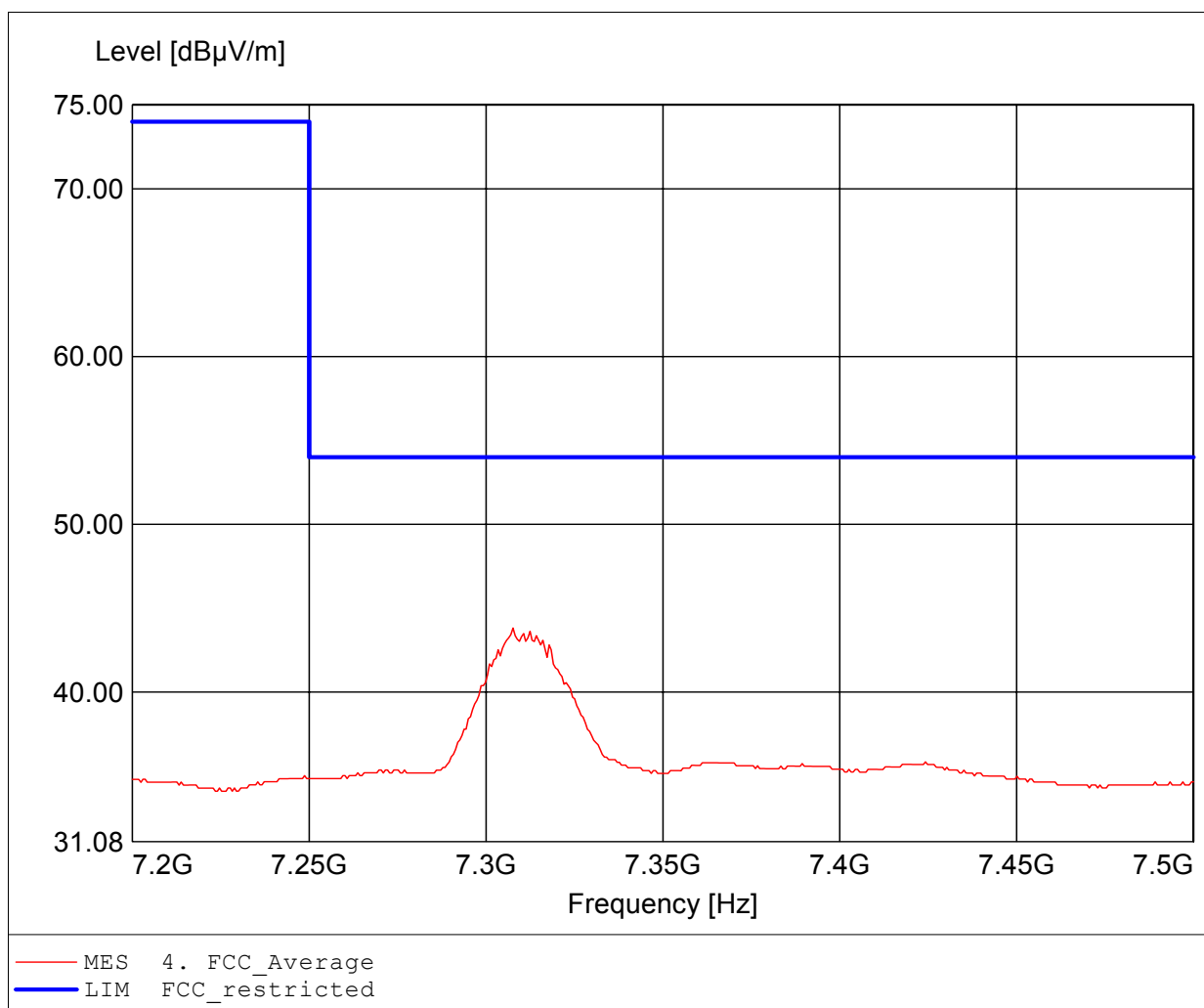
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.311GHz, Emax: 57.20dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

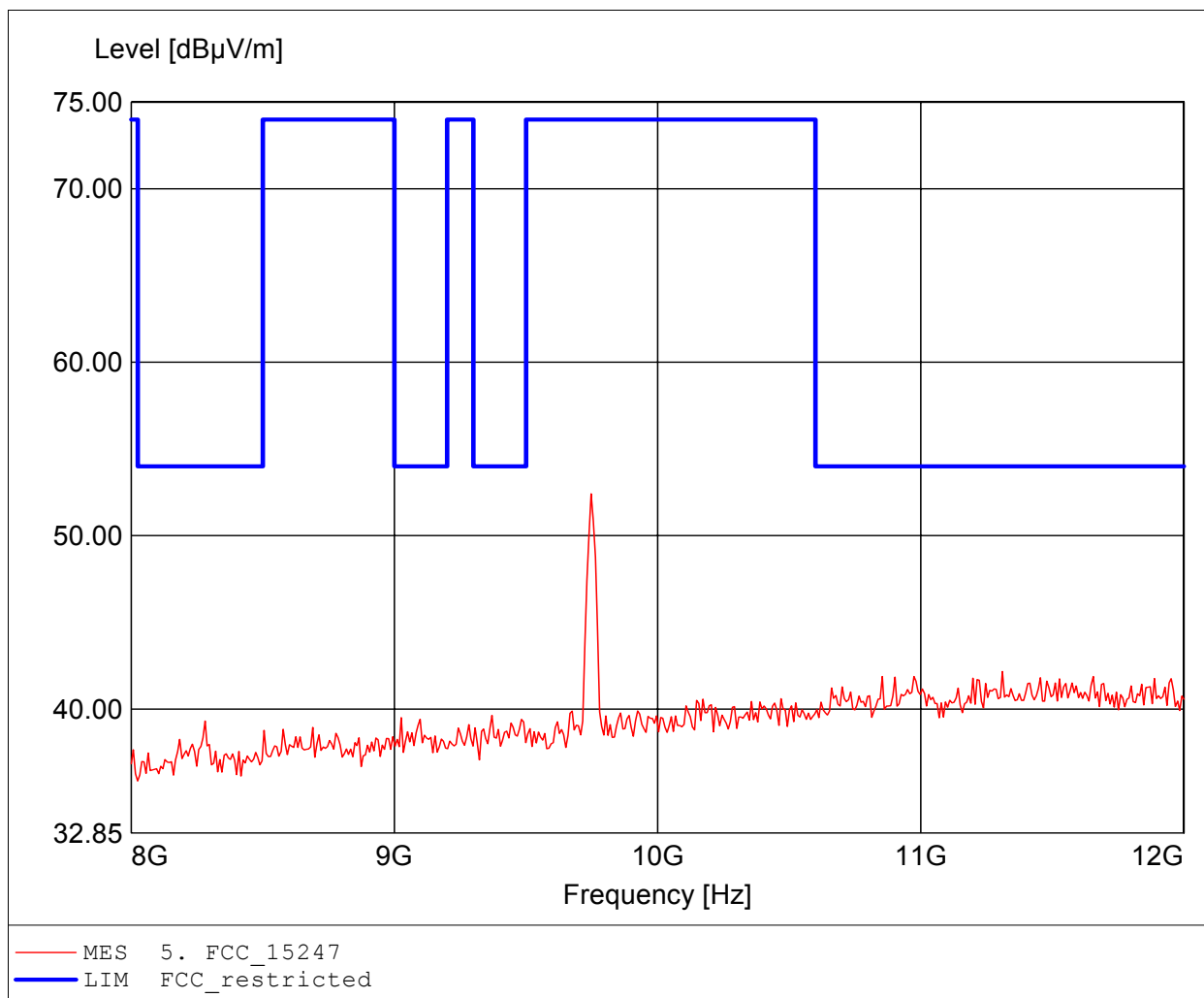
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 7.308GHz, Emax: 43.81dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

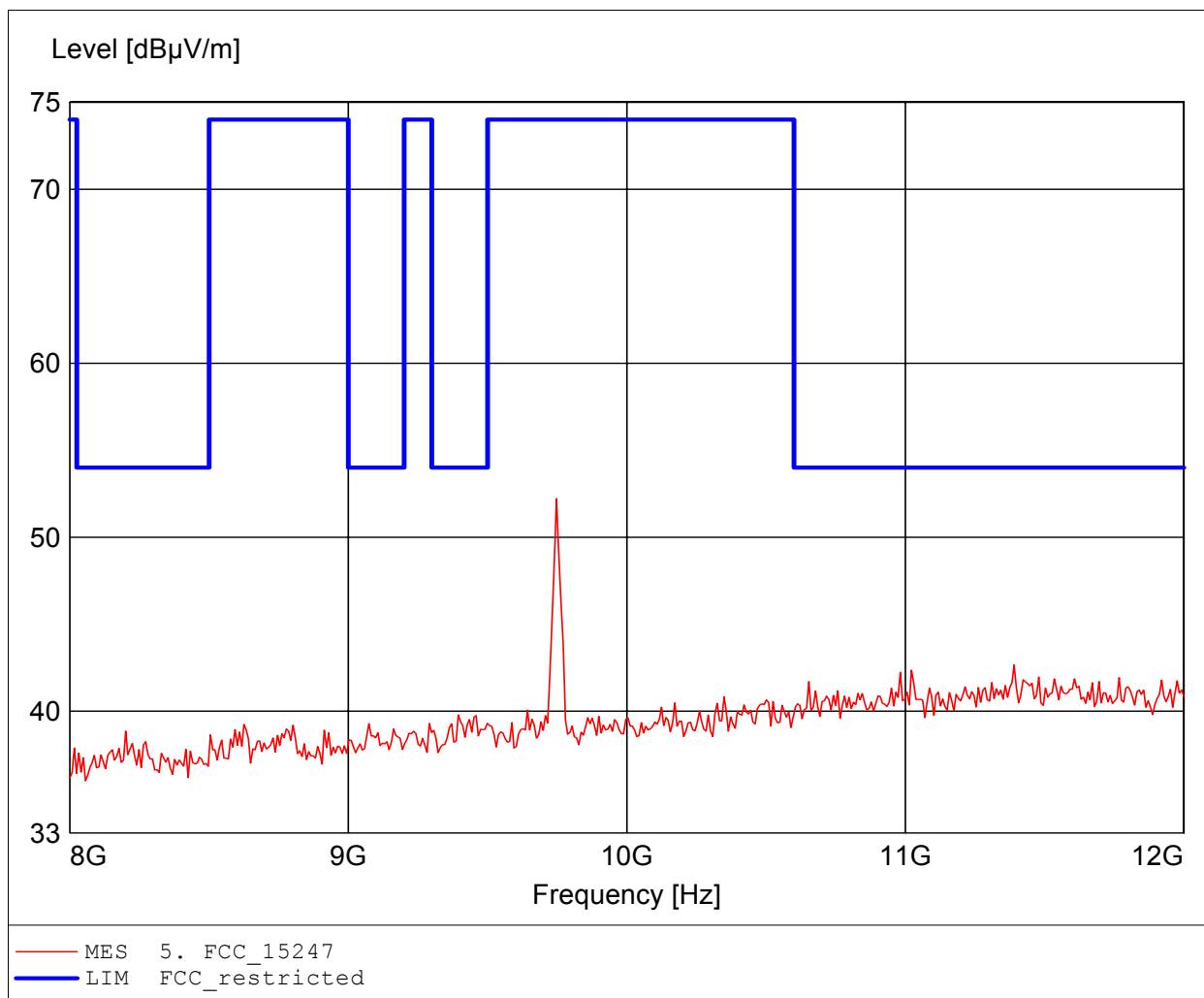
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.747GHz, Emax: 52.41dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

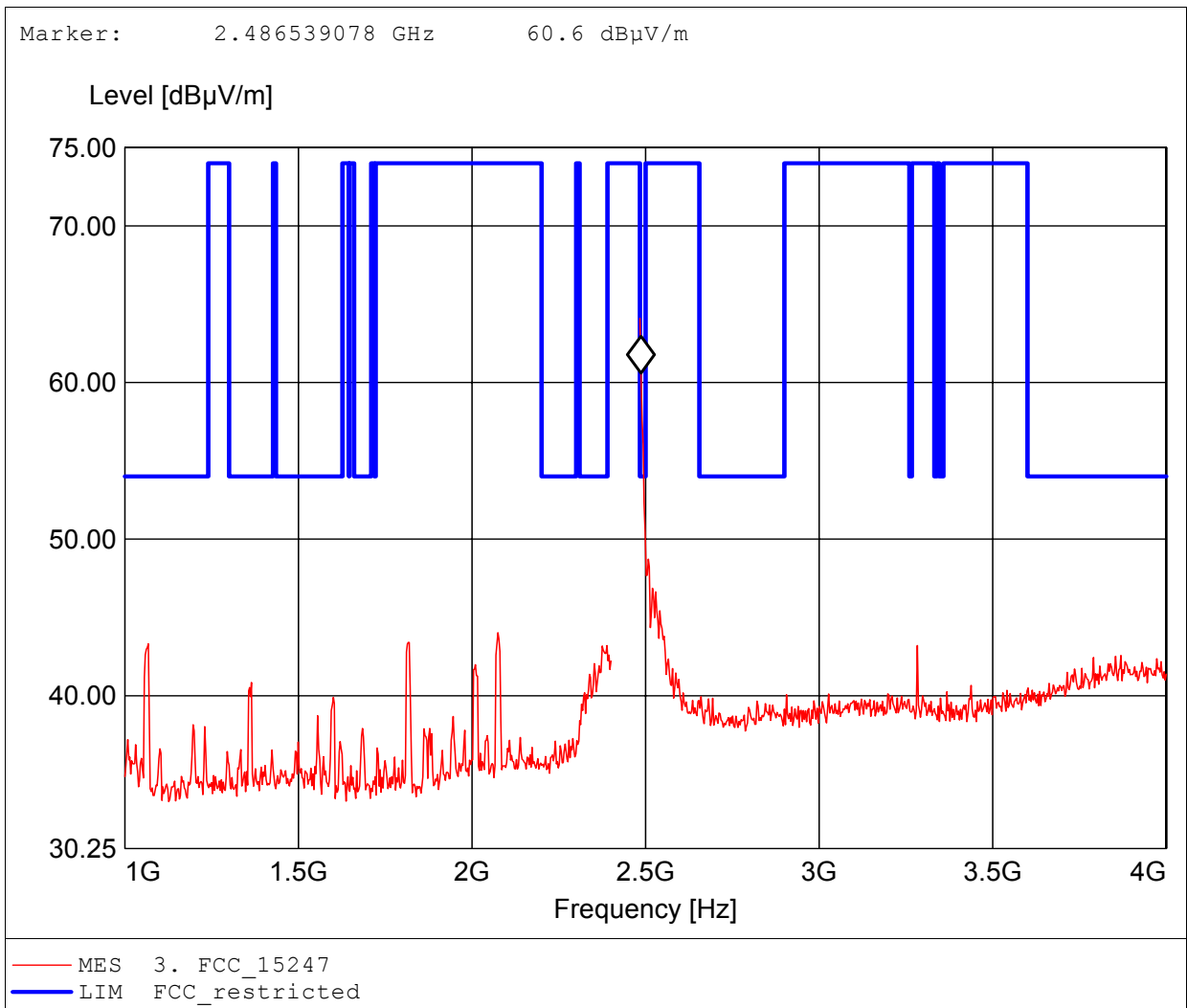
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.747GHz, Emax: 52.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

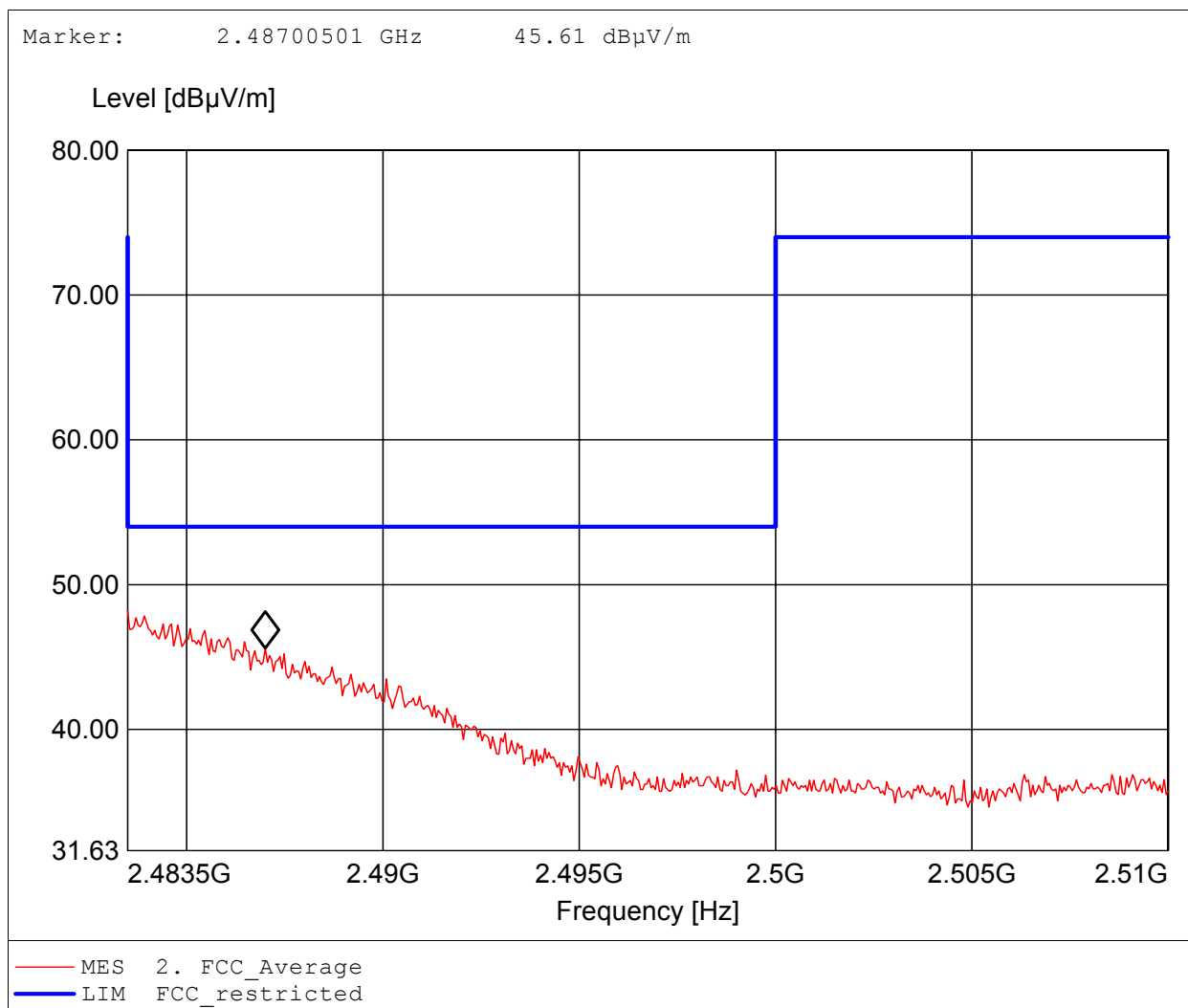
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 64.09dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

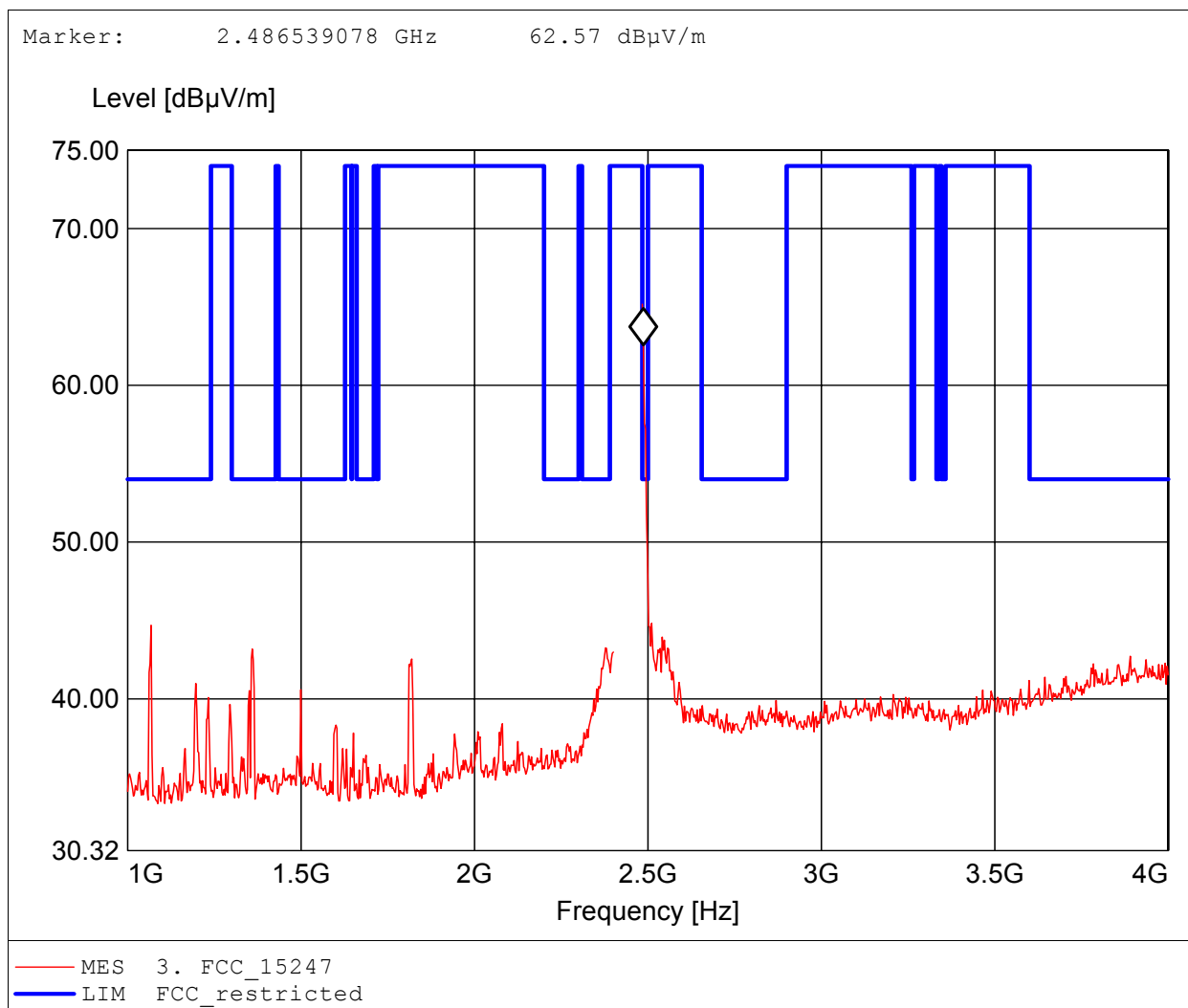
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 48.19dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

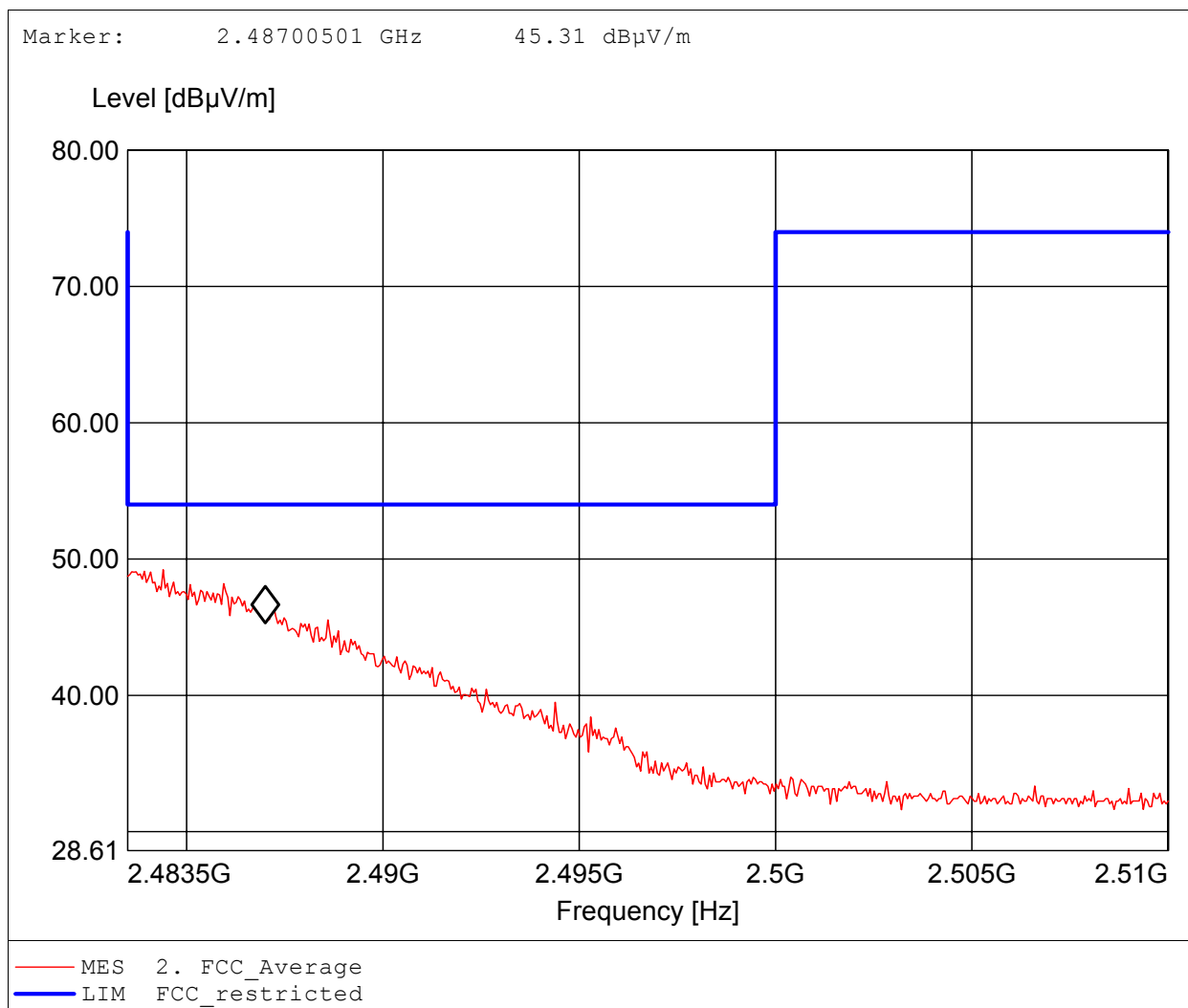
Approval Holder: Leica Geosystems AG / Ord.: GOM21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 65.17dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

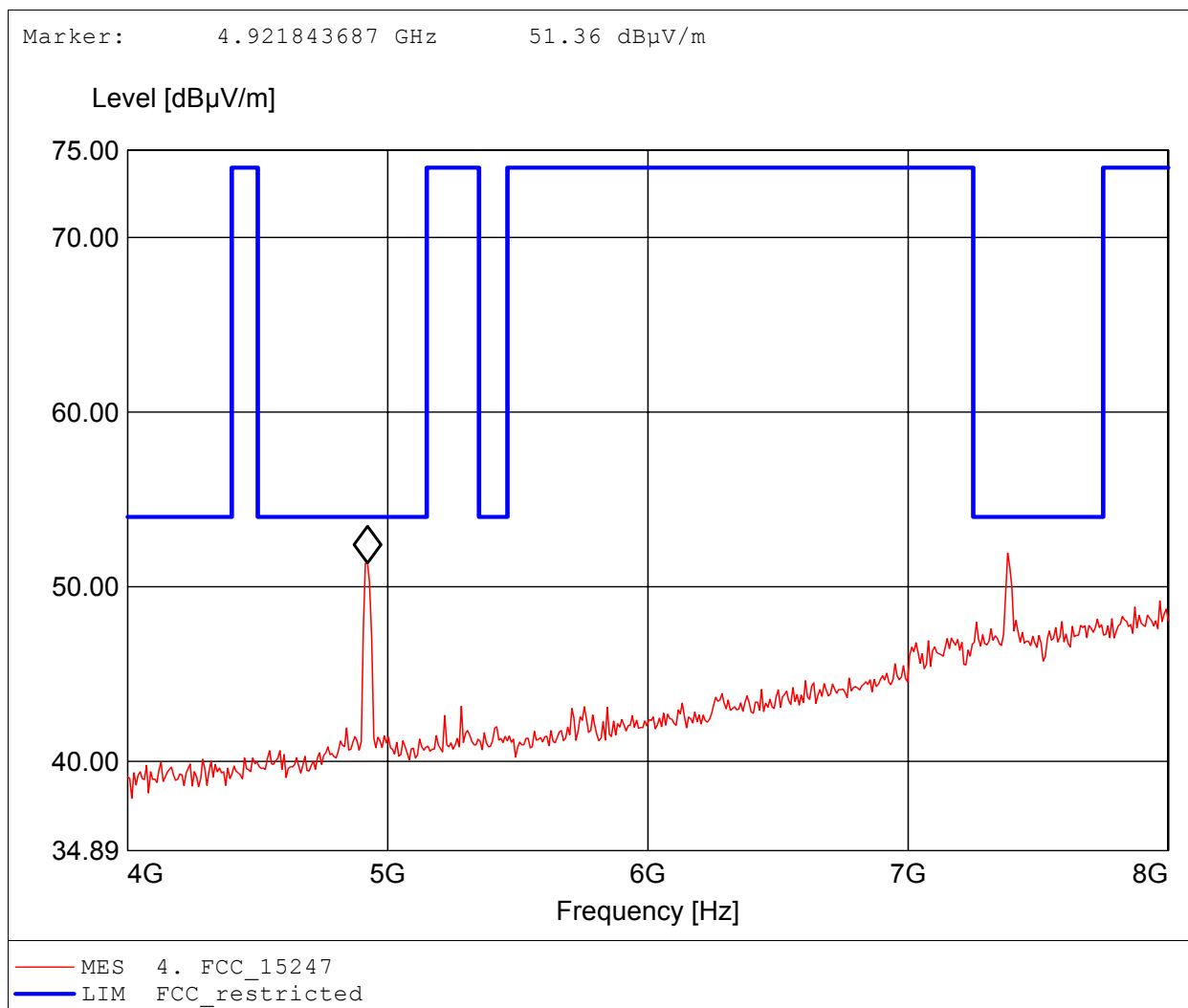
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 49.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

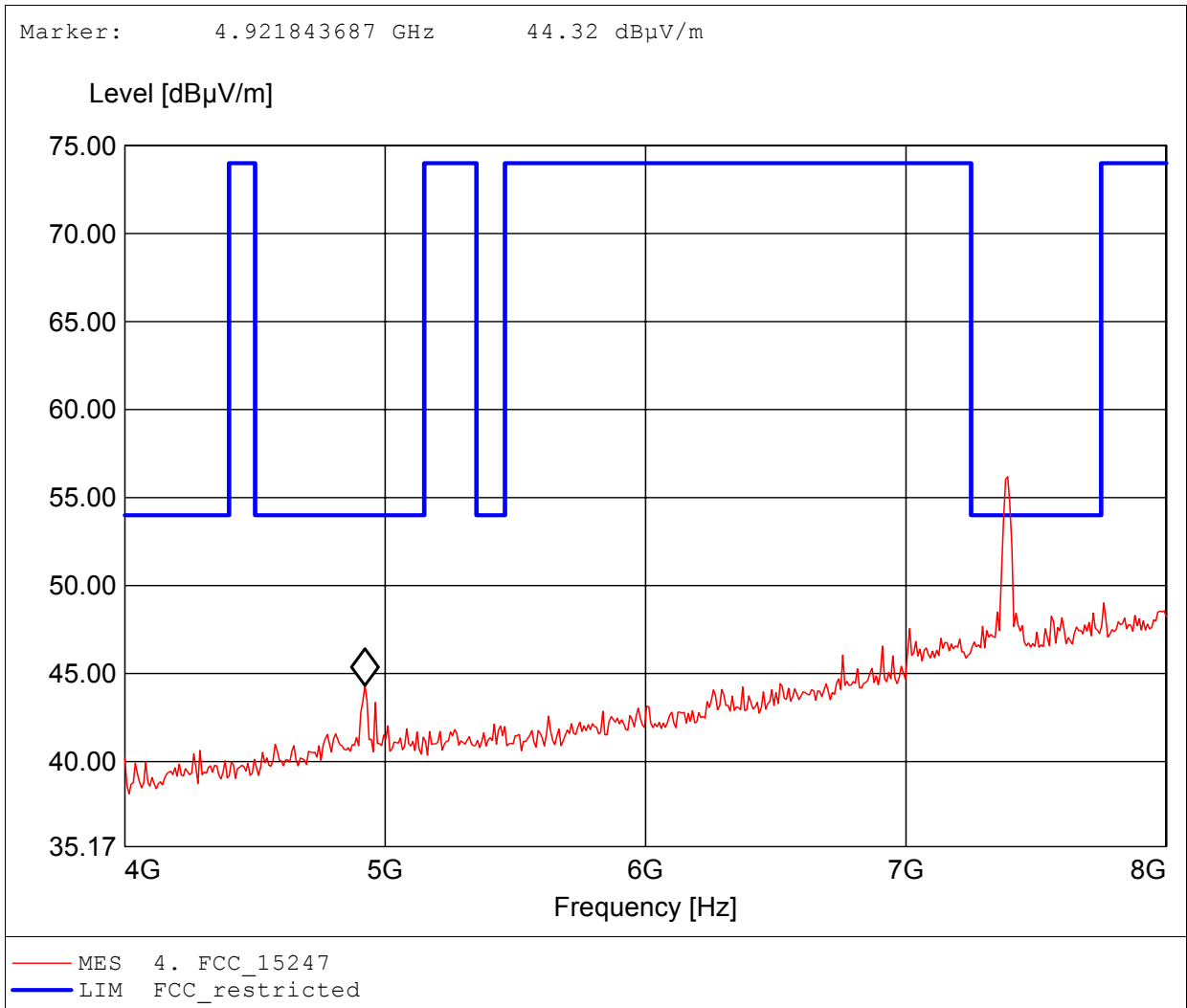
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.383GHz, Emax: 51.93dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

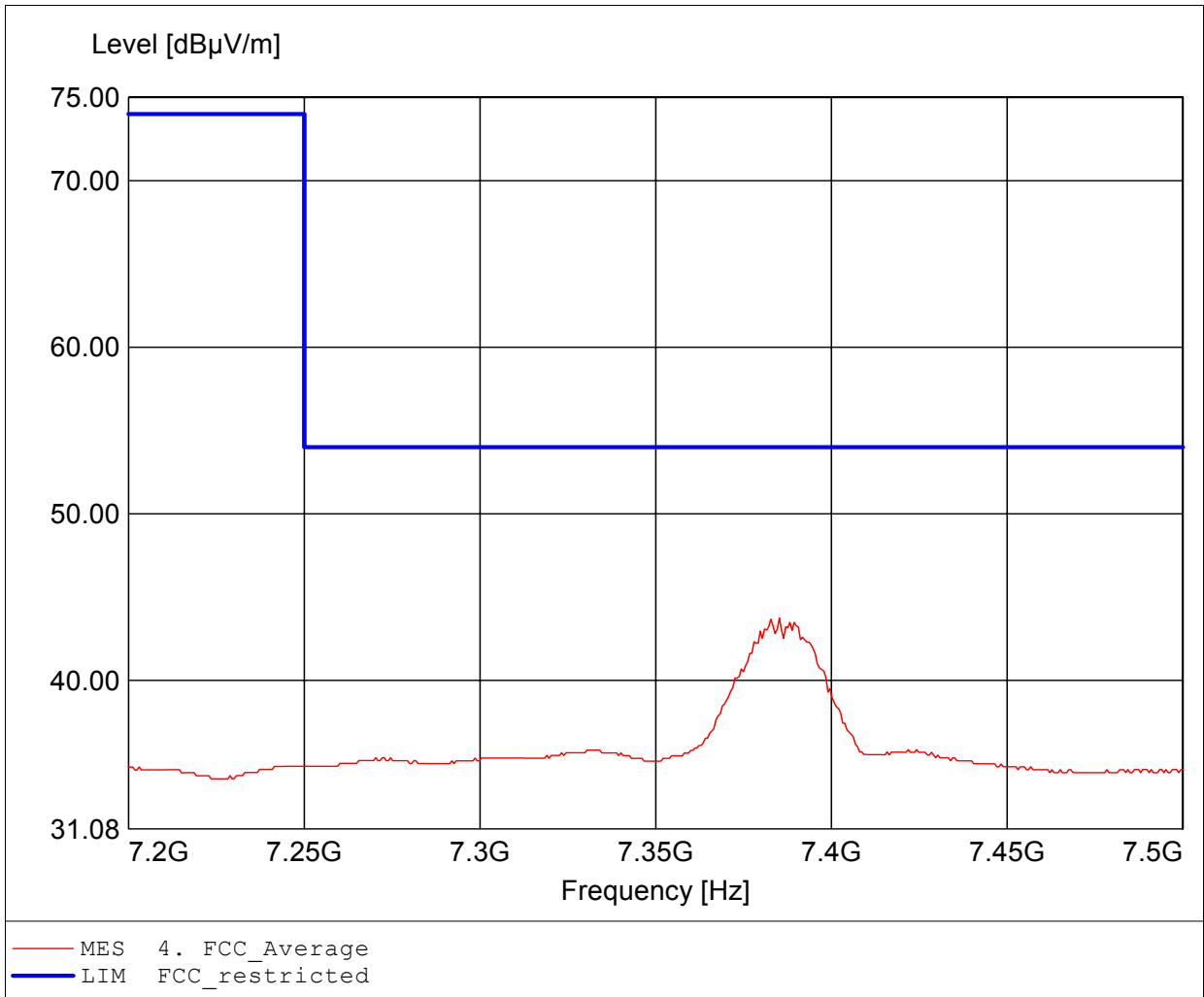
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.391GHz, Emax: 56.20dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

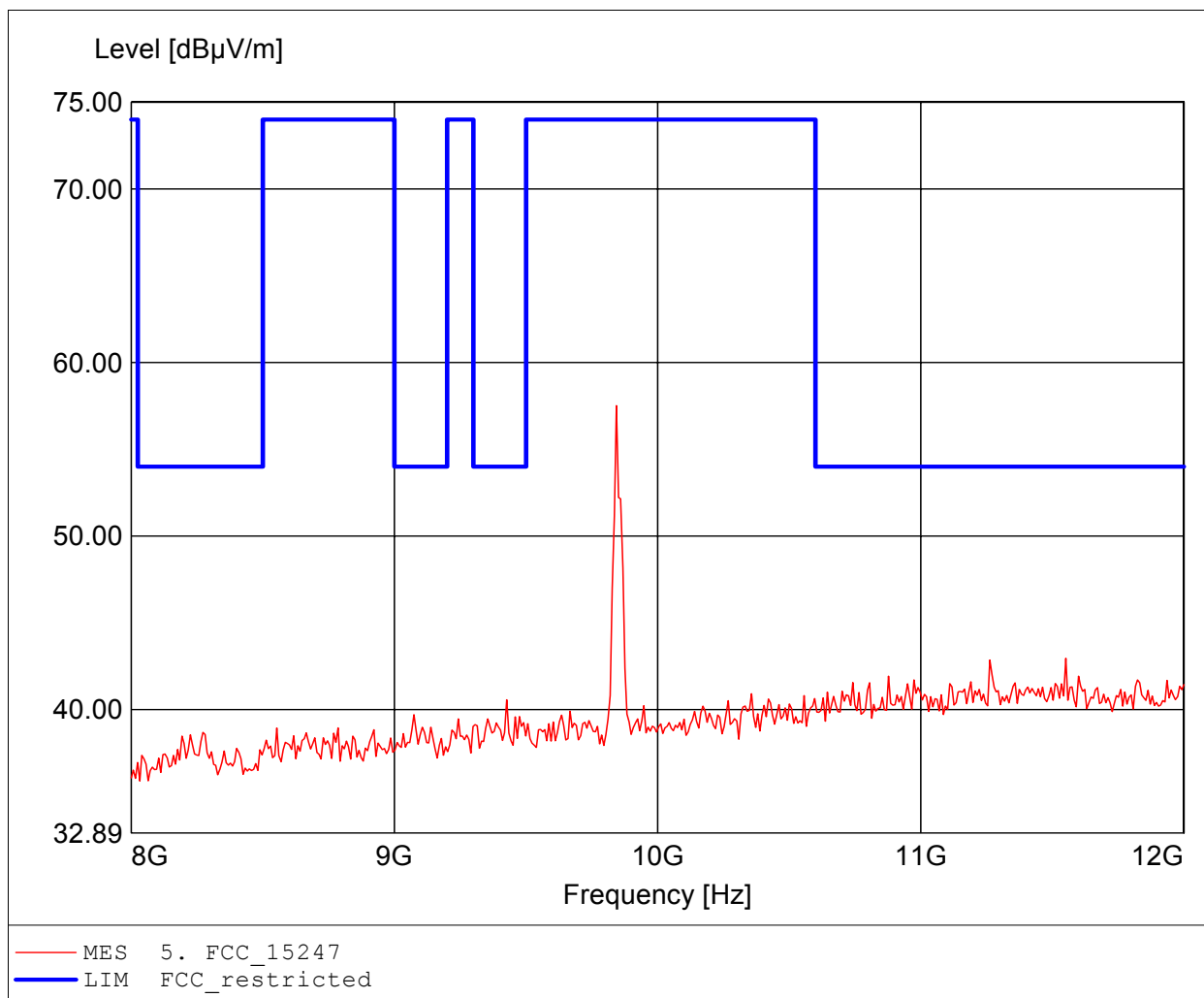
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 7.385GHz, Emax: 43.74dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

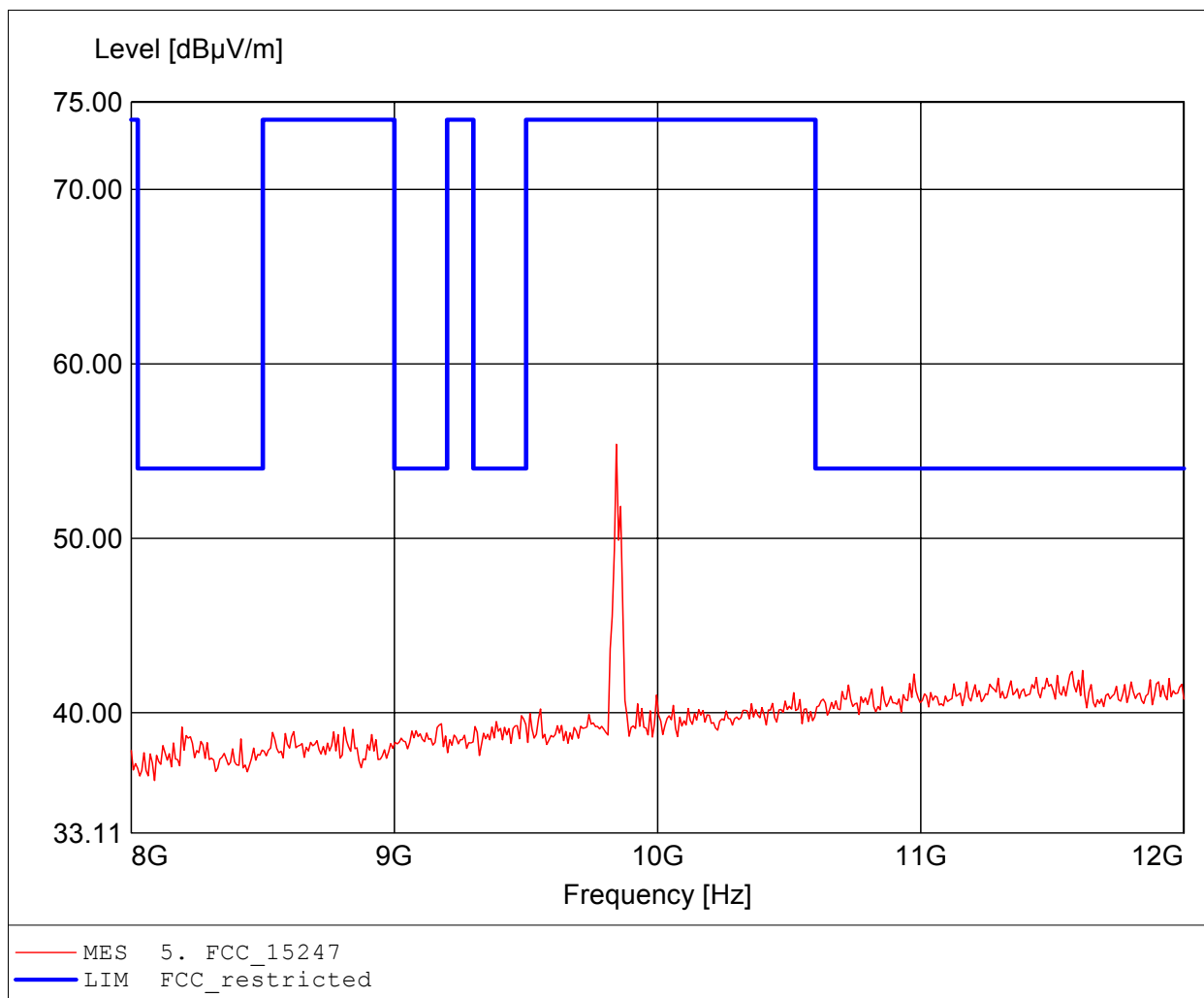
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.844GHz, Emax: 57.52dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: OFDM / 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.844GHz, Emax: 55.39dBuV/m, RBW: 1MHz



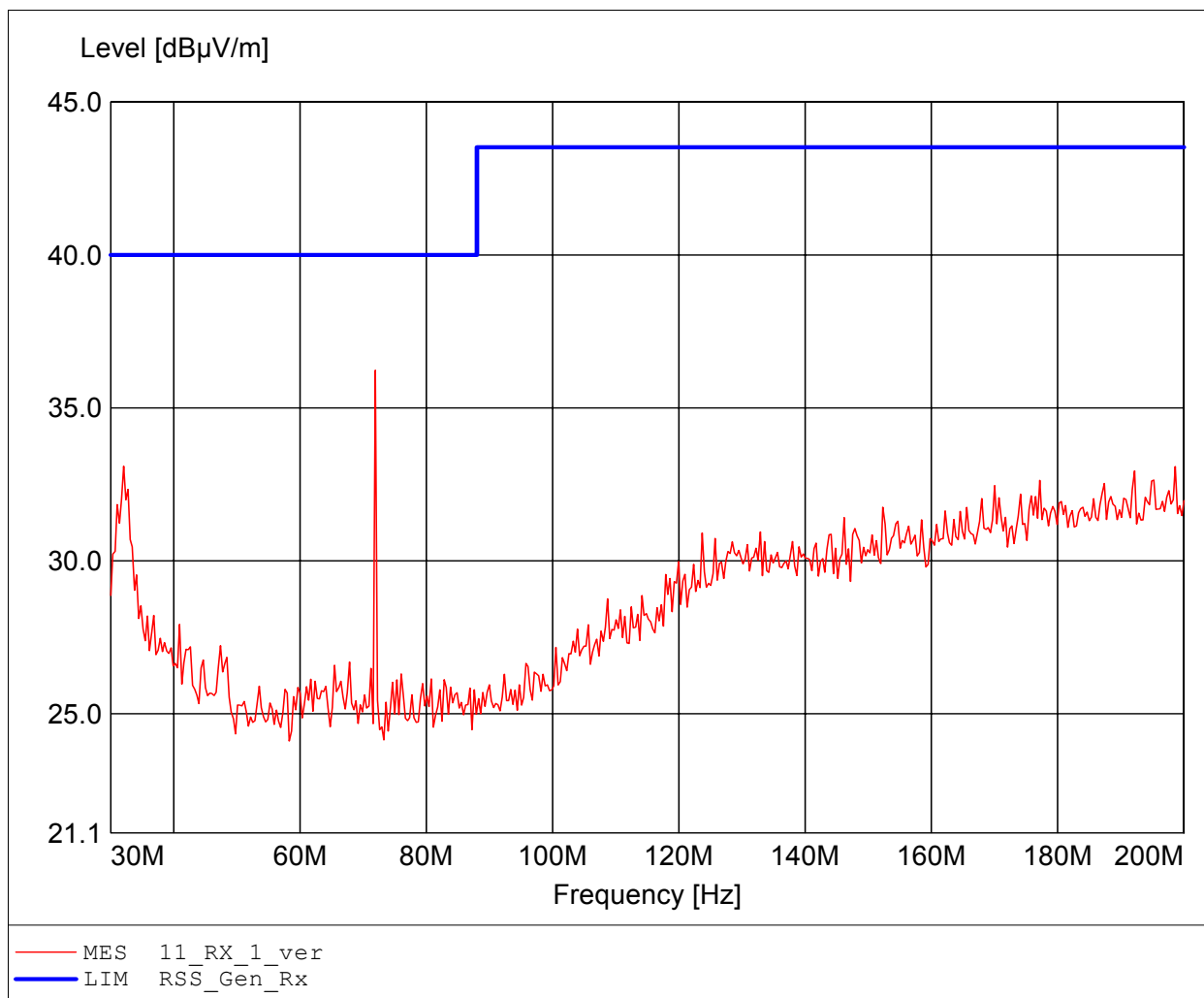
Annex H Receiver radiated spurious emissions

Only plot containing significant spurious emission are given in this annex.

Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

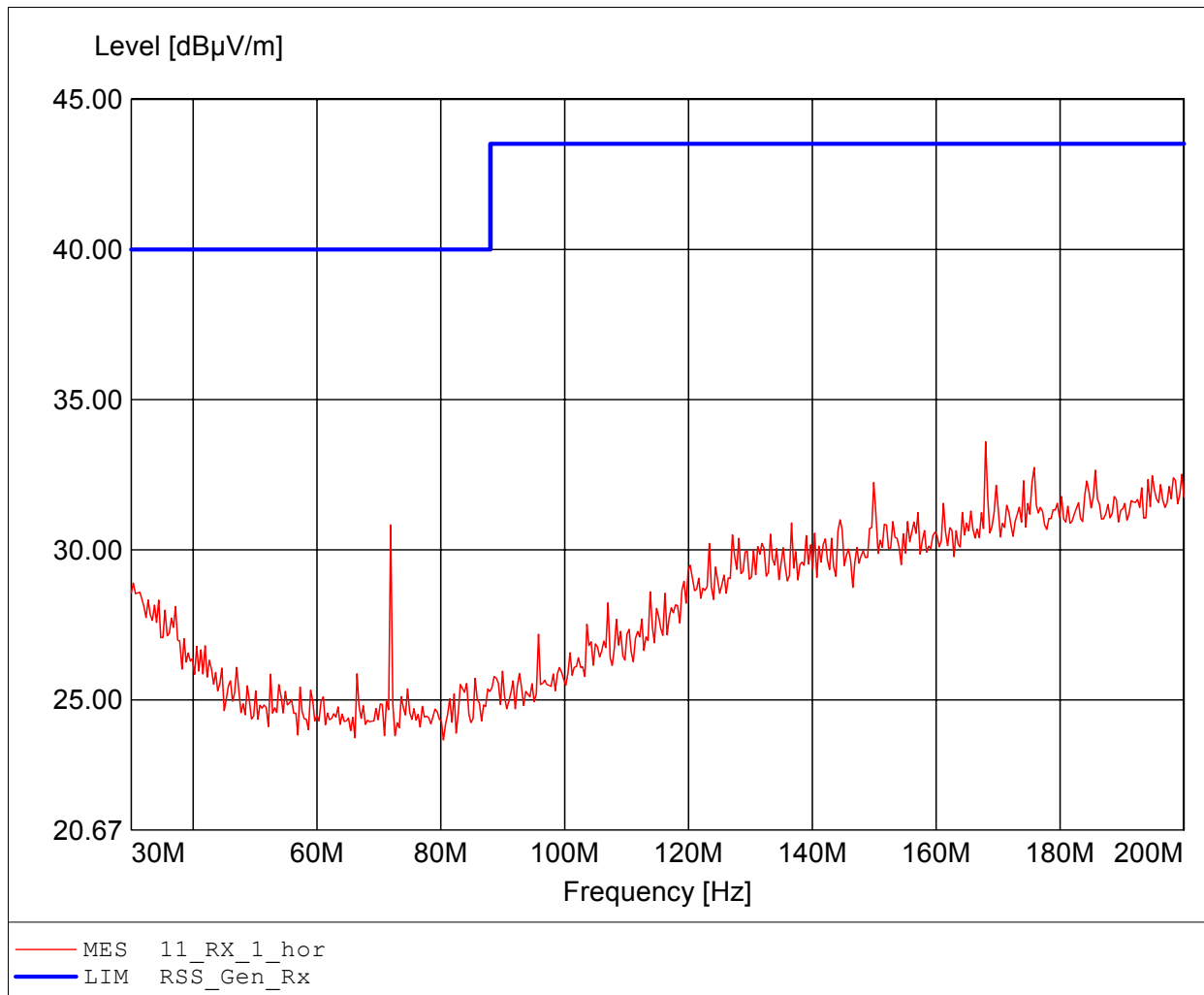
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: CH: 11 / RX
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:71.904MHz Emax:36.23dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

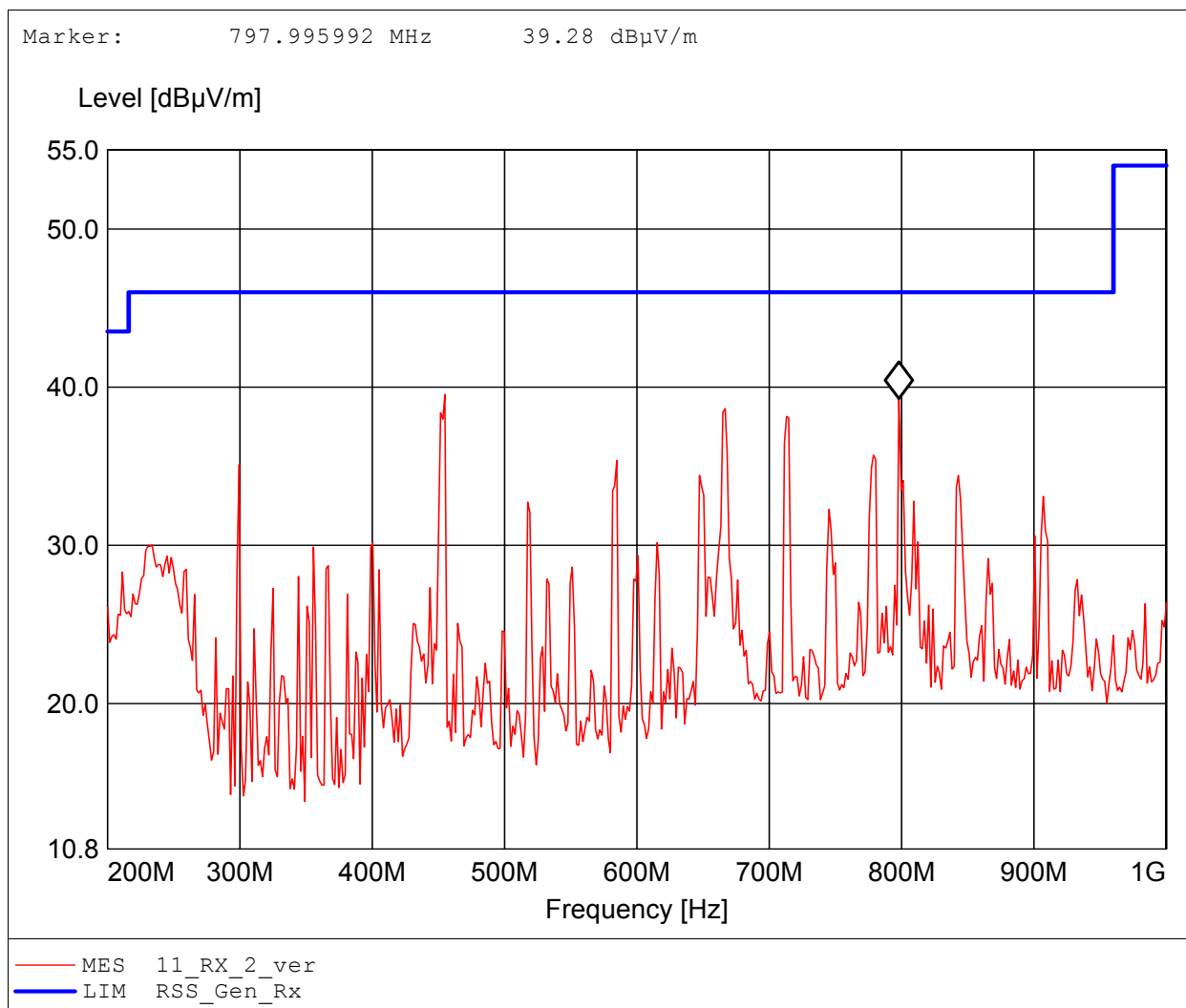
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: CH: 11 / RX
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:167.976MHz Emax:33.60dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

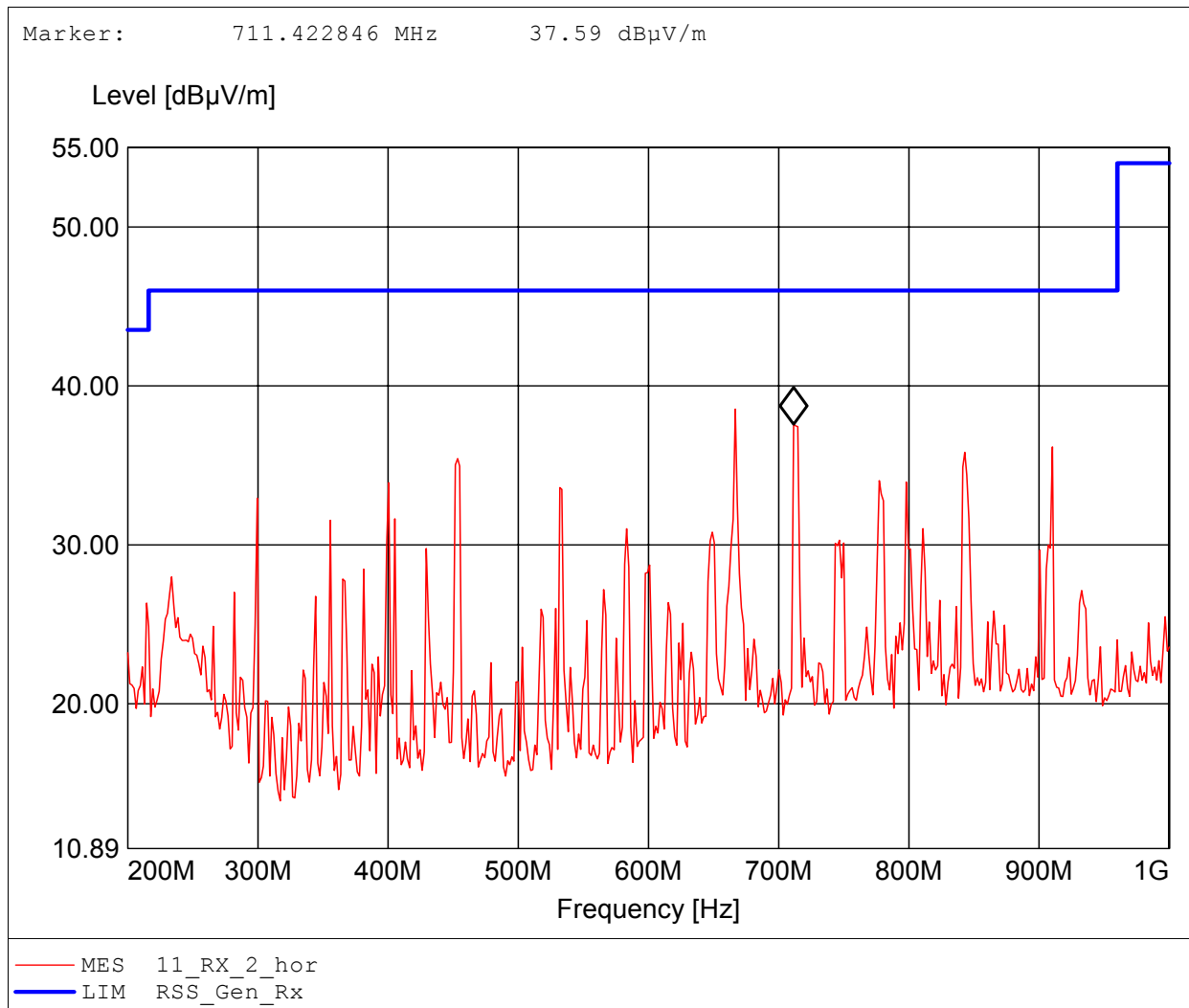
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: CH: 11 / RX
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:454.910MHz Emax:39.54dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

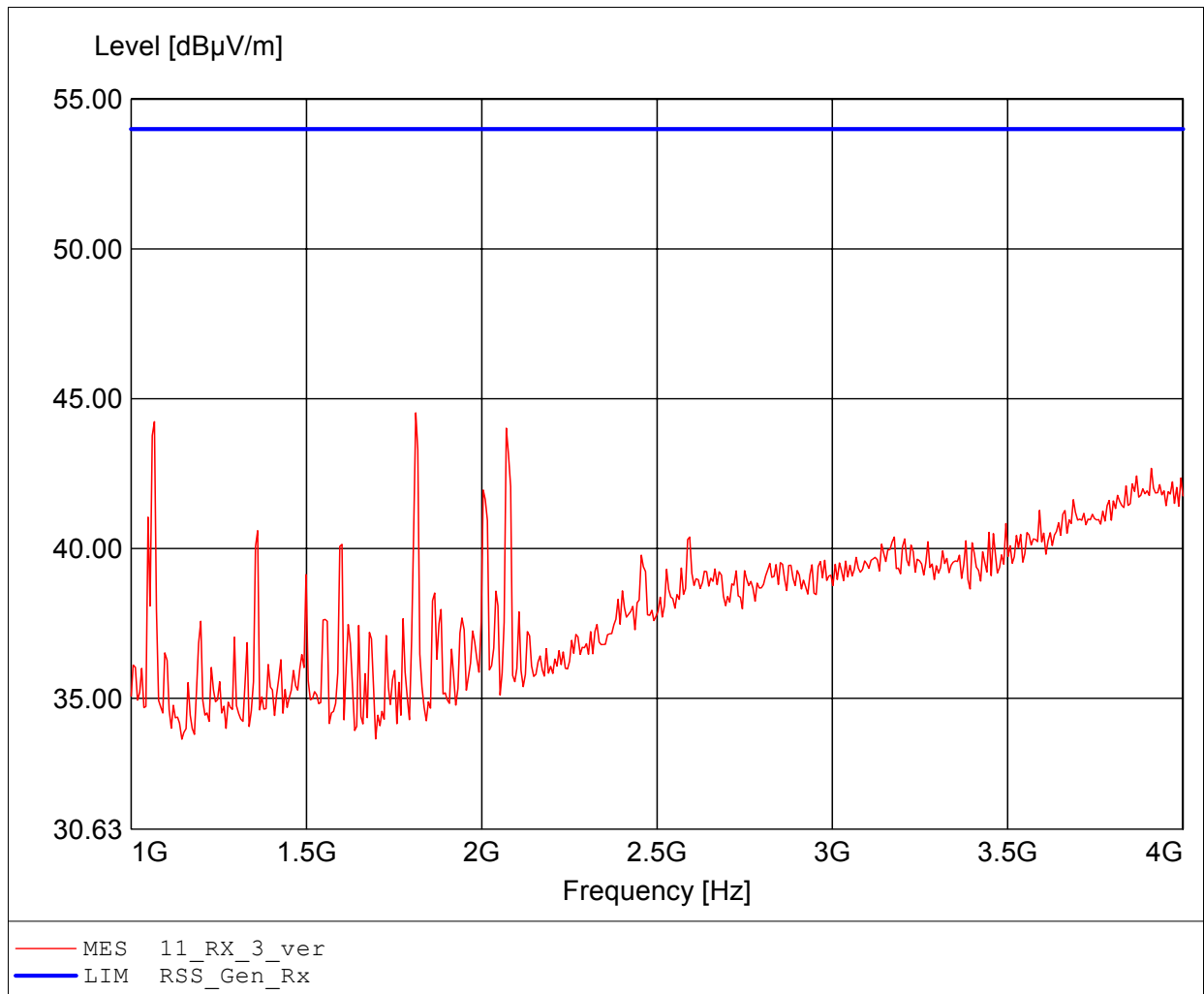
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: CH: 11 / RX
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:666.533MHz Emax:38.53dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

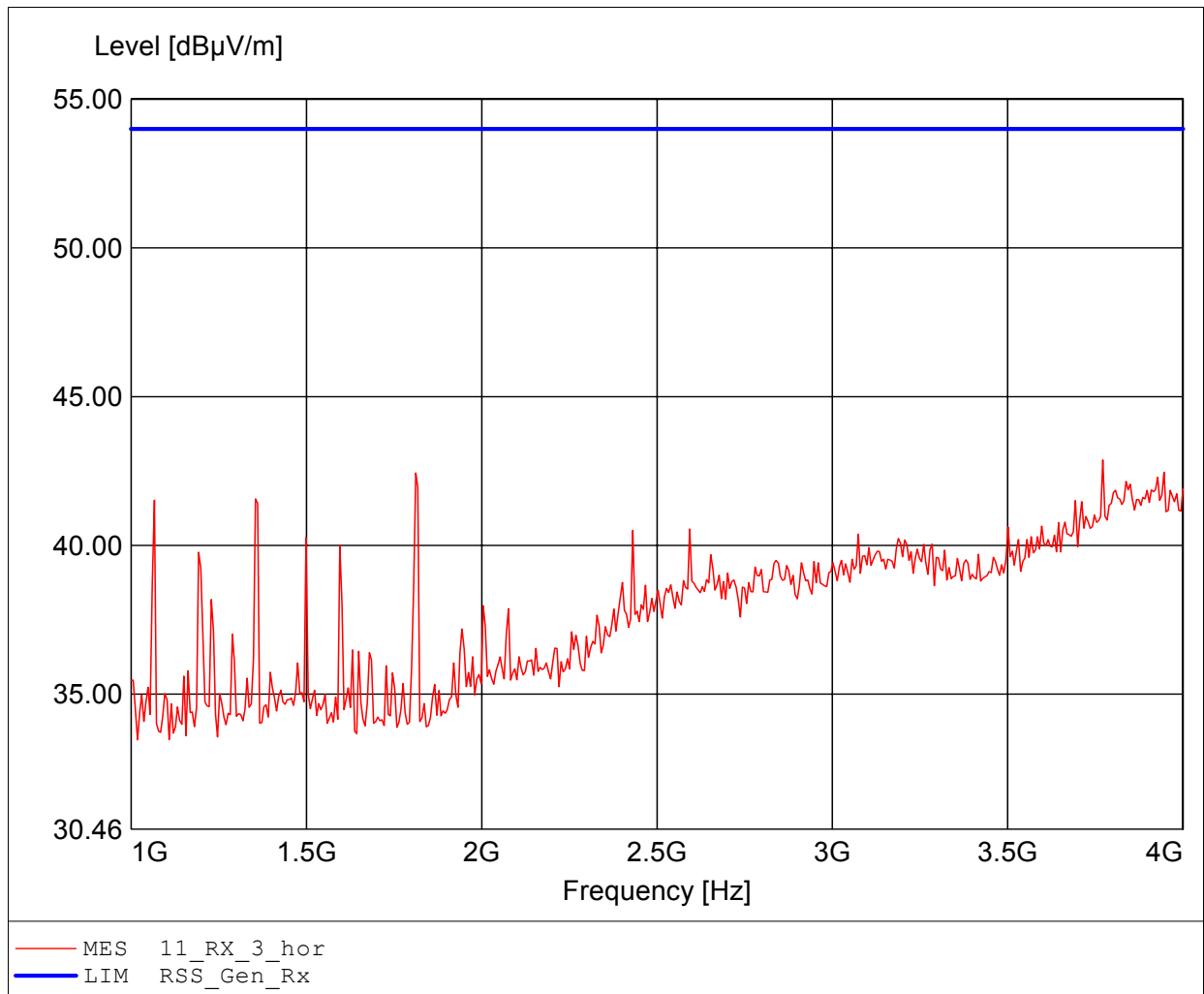
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: CH: 11 / RX
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:1.812GHz Emax:44.53dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

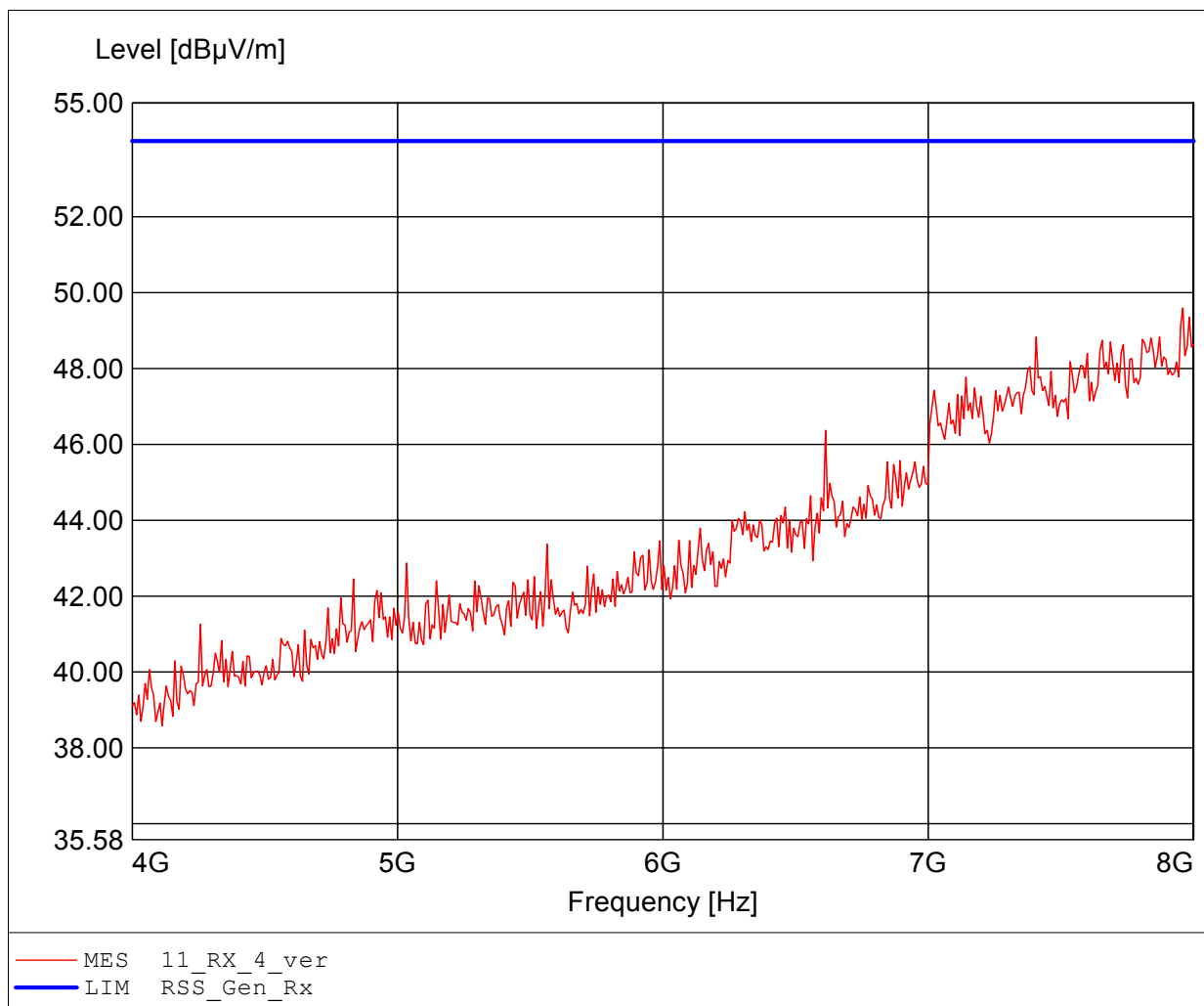
Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: CH: 11 / RX
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.772GHz Emax:42.87dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: CH: 11 / RX
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.960GHz Emax:49.60dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder: Leica Geosystems AG / Ord.: G0M21011-3883
EUT: Laser Distance Meter
Model: 3D Disto / setup: 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Handrik
Test Condition: Tnom.: 25°C / Unom: 24 V DC
Test Specification: CH: 11 / RX
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.968GHz Emax:49.19dBuV/m RBW: 1 MHz

