EUROFINS PRODUCT SERVICE GMBH

Testing Cert #1983.01

RADIO TEST- REPORT

Compliance Test Report

FCC PART 15 SUBPART C
IC RSS 210 ISSUE 8

FCC ID: ZCQTCA
IC: 9570A-TCA

Measuring Probe

P03.6000 TC60/TC63

Wireless LAN Radio

TEST REPORT NUMBER: G0M21007-3432-P-15

Eurofins Product Service GmbH
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Germany

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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.

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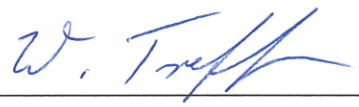
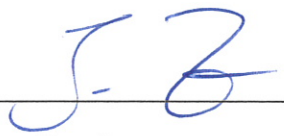
Operator:

Date	Eurofins-Lab.	Name	Signature
24.05.2011		W. Treffke	

Technical responsibility for area of testing:

Date	Eurofins	Name	Signature
24.05.2011		J. Zimmermann	

1.2 Testing laboratory

EUROFINS PRODUCT SERVICE GMBH
Storkower Strasse 38c
D-15526 Reichenwalde b. Berlin
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Telefon : +49 33631 888 00
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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	: Blum-Novotest GmbH
Street	: Gewerbegebiet Gullen Kaufstrasse 14
Town	: 88287 Grünkraut
Country	: Germany
Telephone	: +49 751 6008 136
Fax	: +49 751 6008 6136
Contact	: Herr Stefan Häfele
Telephone	: +49 751 6008 136

1.4 Application details

Date of receipt of application	: 29.09.2010
Date of receipt of test item	: 29.09.2010
Date of test	: 30.09.2010 – 03.03.2011

1.5 Test item

Description of test item	: Measuring Probe
Type identification	: P03.6000 TC60/TC63
Brand Name	: Unspecified
Serial number	: S-No.: 201010404
Hardware version	: PCB: 800.100d 04/05
Software version	: V1.12
Equipment type	: End consumer product

Technical data

Frequency range	: 2400 - 2483.5MHz
Number of channels	: 3
Channels	: 2401 - 2423MHz, 1 chirp channel
	2426 - 2448MHz, 1 chirp channel
	2451 - 2473MHz, 1 chirp channel
Antenna type	: internal
Antenna model	: slot antenna
Number of antennas	: 1
Antenna gain	: -0.5dBi (Determined by conducted and radiated measurements)
Power supply	: 9.0VDC (Battery powered)
Duty cycle	: 98%
Operating mode	: semi duplex
Spreading technique	: CCS (Chirp spread spectrum)

Modulations	: None
Device classification	: Fixed Device

Manufacturer:
(if applicable)

Name	: Blum-Novotest GmbH
Street	: Gewerbegebiet Gullen Kaufstrasse 14
Town	: 88287 Grünkraut
Country	: Germany

1.6 Test standards

Technical standard : ☒ **FCC PART 15 SUBPART C**
☒ **IC RSS 210 ISSUE 8**

1.7 Additional information

None

1.8 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
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}	:	9.0VDC
V_{min} (V_{nom}-15%)	:	N/A
V_{max} (V_{nom}+15%)	:	N/A
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	29.01.2013
ETS 0336	LPD Antenna	HL 223	Rohde & Schwarz	28.01.2010	28.01.2013
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	25.11.2010	25.11.2012
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 dBµV. Any external preamplifiers used are taken into account through internal analyzer settings.

A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyzer. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

Reading on Analyzer (dBµV) + A.F. (dB) = Net field strength (dBµV/m)

Net:

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

Limit:

This is the FCC Class B radiated emission limit (in units of dBµV/m). The FCC limits are given in units of µV/m. The following formula is used to convert the units of µV/m to dBµV/m:

Limit (dBµV/m) = 20*log (µV/m)

Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

Example only:

Reading	+	AF	=	Net Reading	:	Net reading - FCC limit = Margin
21.5 dBµV	+	26 dB	=	47.5 dBµV/m	:	47.5 dBµV/m - 57.0 dBµV/m = -9.5 dB

2.5 Test results

Test case	Clause	Required	Result	Remarks
INFORMATIONAL TRANSMITTER PARAMETERS				
Occupied Bandwidth	IC RSS-Gen. 4.6.1	☒		
TRANSMITTER PARAMETERS				
6dB Bandwidth	FCC § 15.247(a)(2) IC RSS-210 § A8.2	☒	PASS	
Spectral Density	FCC § 15.247(e) IC RSS-210 § A8.2	☒	PASS	
Maximum peak conducted output power	FCC § 15.247(b) IC RSS-210 § A8.4	☒	PASS	
Band-edge Compliance	FCC § 15.247(d) IC RSS-210 § A8.5	☒	PASS	
Conducted spurious emissions	FCC § 15.247(d) IC RSS-210 § A8.5	☒	PASS	
Radiated spurious emissions	FCC § 15.209 IC RSS-210 § A8.5 IC RSS-Gen § 7.2.2	☒	PASS	
RECEIVER PARAMETERS				
Radiated spurious emissions	FCC § 15.109 IC RSS-Gen § 4.10 IC RSS-Gen § 6.1	☒	N/A	
POWER LINE PARAMETERS				
AC power line conducted emissions	FCC § 15.207 IC RSS-Gen. 7.2.4	☐	N/A	EUT battery powered

3 Informational Transmitter parameters

3.1 Transmitter Modes for conformance testing

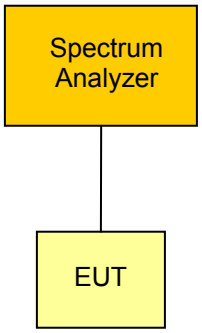
The following transmission modes are elected for compliance testing.

TEST MODE CSS	
Conditions	
Spread Spectrum :	☒ Yes ☐ No
Spreading Technique :	CSS
Modulation :	NONE
Bandwidth :	22MHz
Data rate :	250kbps
Duty Cycle :	98%
Power level :	Maximum

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 CSS			
2412	2403.8	2420.2	16.4
2442	2433.7	2450.2	16.5
2462	2453.7	2470.1	16.4
See attached diagram in Annex			
Verdict			**PASS**

4 Transmitter parameters

4.1 6dB Bandwidth

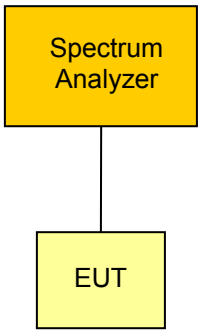
According FCC rules 47 CFR 15.247(a)(2) and RSS-210 Section A8.2 the minimum 6dB Bandwidth has to be validated.

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 CSS	
2412	14.3
2442	14.3
2462	14.3
See attached diagram in Annex	
Verdict	**PASS**

4.2 Power spectral density

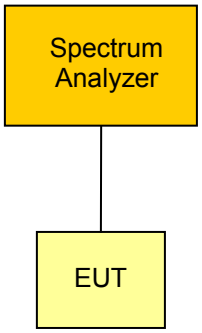
According FCC rules 47 CFR 15.247(e) and RSS-210 Section A8.2 the maximum pwer density in any 3kHz bandwidth is limited and has to be validated.

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
≤ 8dBm/3kHz

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≥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 CSS		
2412	2405.3	-18.1
2442	2440.4	-14.7
2462	2460.4	-14.7
See attached diagram in Annex		
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 be verified.

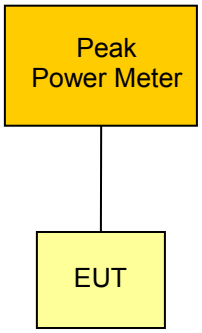
4.3.1 Limits

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 :	-0.5dBi	
Power correction :	0dB	
Channel [MHz]	**Conducted ouput power [dBm]**	**Power Limit [dBm]**
Test mode CSS		
2412	-0.4	30
2442	-0.1	30
2462	-0.1	30
See attached diagrams in Annex		
Measurement uncertainty		4.22dB
Verdict		**PASS**

4.4 Transmitter band-edge compliance

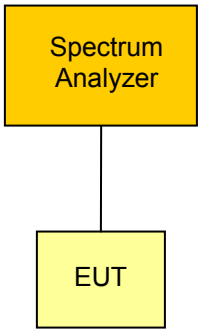
According FCC rules 47 CFR 15.209, 15.247(d) and RSS-210 Section A8.5 the emission level of out-of-band emissions are limited and has be to cvalidated.

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≥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]**
CSS	-30.77	-37.67
See attached diagram in Annex		
Verdict		**PASS**

4.5 Transmitter conducted spurious emissions

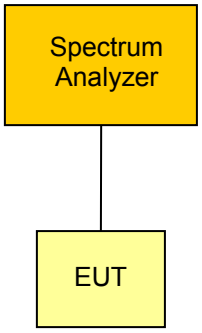
According FCC rules 47 CFR 15.247(d) and RSS-210 Section A8.5 unwanted emissions in the spurious domain are power limited and has to be validated.

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 :	☒ Yes ☐ No				
Channel Frequency [MHz]	**Emission Frequency [MHz]**	**Measured Field Strength * [dBm]**	**Channel Power [dBm]**	**Limit [dBm]**	**Margin [dB]**
Test mode CSS					
2412	10220	-62.53	-15.39	-35.39	-27.14
2442	11620	-61.63	-14.17	-34.17	-27.46
2462	12060	-61.94	-14.12	-34.12	-27.82
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

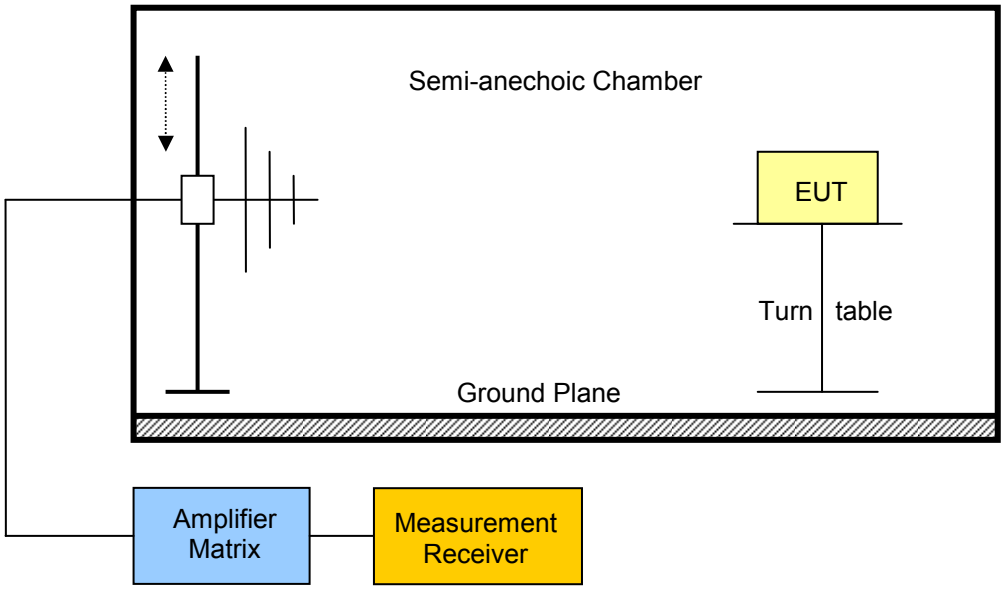
Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Tranmitter restricted band spurious emission limits				
Frequency range [MHz]	**Detector**	**Limit [µV/m]**	**Calculated Limit 3m [dBµV/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 rortated through 360°.

Due to pratical 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						
Test mode :		CSS				
Measurement distance :		3m				
Modulated :		☒ Yes ☐ No				
Channel Frequency [MHz]	**Emission Frequency [MHz]**	**Polarization**	**Measured Field Strength * [dBµV/m]**	**Limit@3m [dBµV/m]**	**Detector**	**Margin [dB]**
2412	2.390	vertical	50.3	74	peak	-23.7
2412	4.826	vertical	58.7	74	peak	-15.3
2412	4.824	vertical	47.1	54	average	-6.9
2442	4.882	vertical	58.1	74	peak	-15.9
2442	4.884	vertical	43.9	54	average	-10.1
2462	2.4835	vertical	53.0	74	peak	-21
2462	2.4835	vertical	39.9	54	average	-14.1
2462	4.922	vertical	57.7	74	peak	-16.3
2462	4.942	vertical	43.9	54	average	-10.1
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. $20 \cdot \log_{10}$(measurement distance/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:

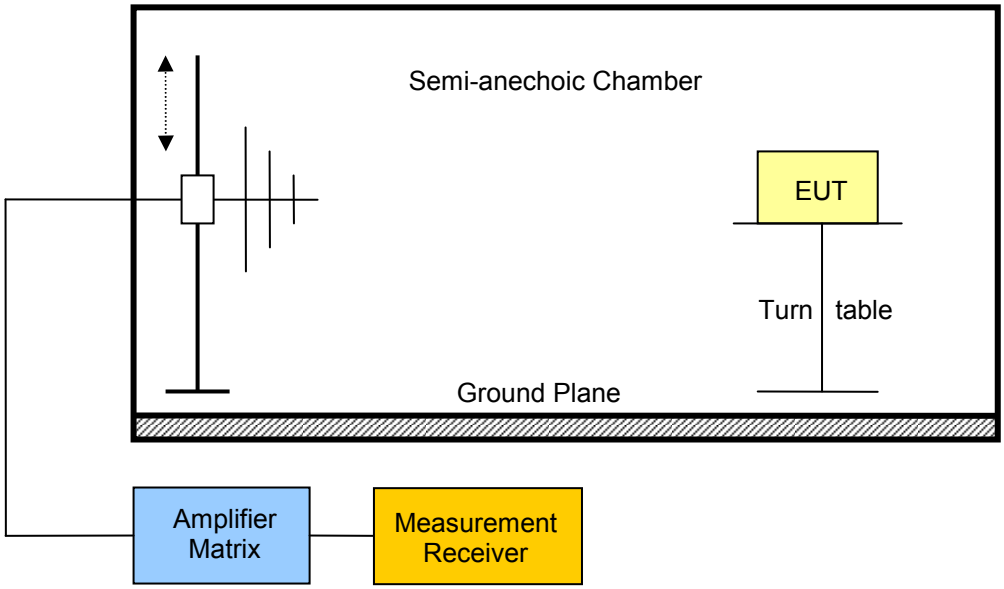
Class A receiver spurious emission limits @ 10m				
Frequency range [MHz]	**Detector**	**Limit [µV/m]**	**Calculated Limit [dBµV/m]**	**Measurement Distance [m]**
30 – 88	Quasi-Peak	90	39.1	10
88 – 216	Quasi-Peak	150	43.5	10
216 – 960	Quasi-Peak	210	46.4	10
960 – 1000	Quasi-Peak	300	49.5	10
> 1000	Average	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 [µV/m]**	**Calculated Limit [dBµV/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 rortated through 360°.

Due to pratical 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						
Test mode :		OFDM				
Measurement dístance :		3m				
Device class :		B				
Channel Frequency [MHz]	**Emission Frequency [MHz]**	**Polarization**	**Measured Field Strength * [µV/m]**	**Limit@3m [µV/m]**	**Detector**	**Margin [µV/m]**
2442	7992	vertical	324.71**	500.00	peak	-175.29
See attached diagrams in Annex						
Verdict					**PASS**	

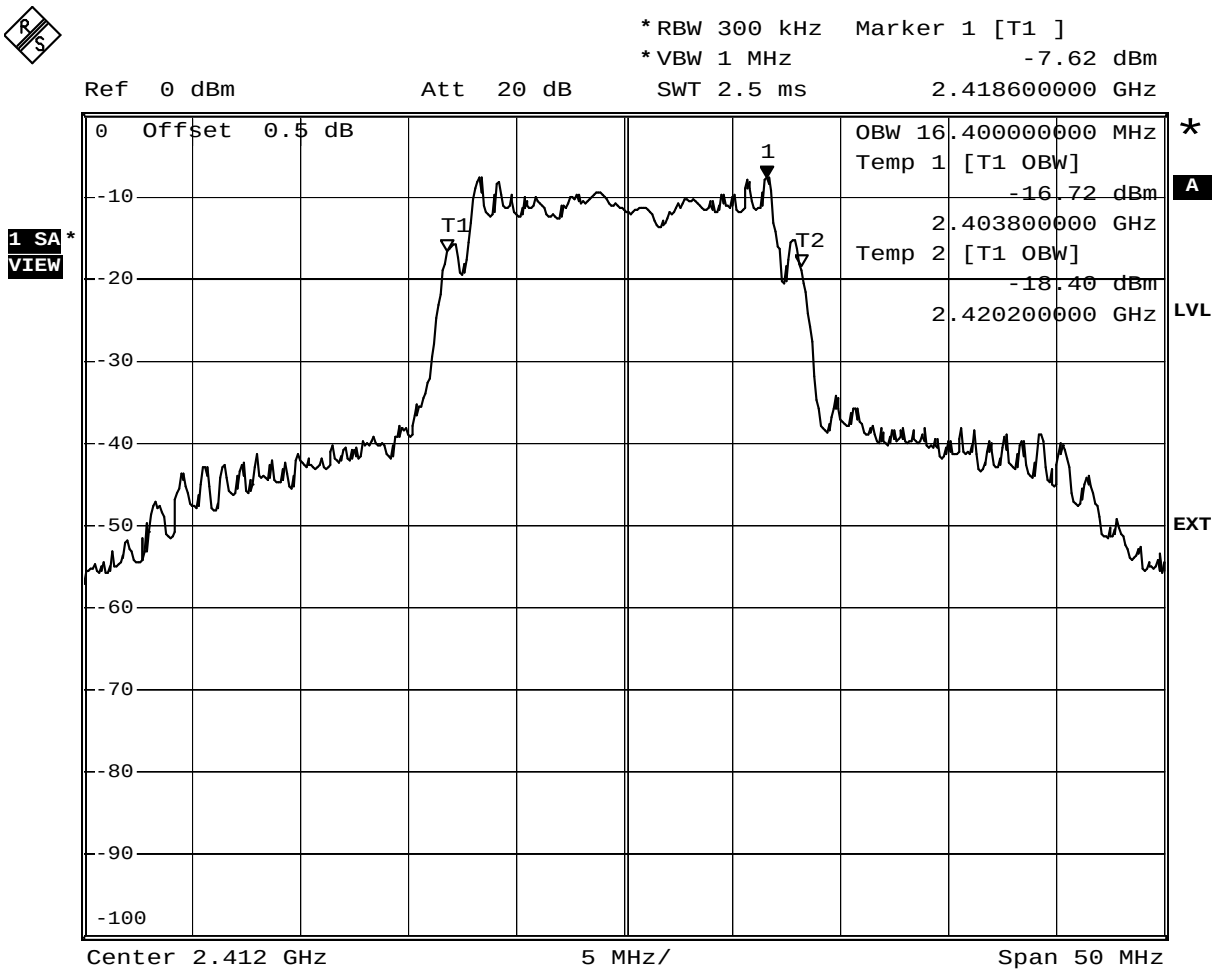
*** Note :** If necessary the measured field strength values are corrected to reflect the field strength values at the measurement distance stated in the table. Correction acc. $20 \cdot \log_{10}$(measurement distance/limit distance).

**** Note :** This maximum emission value corresponds to noise floor. No spurious emissions found.

Annex B Transmitter Occupied Bandwidth

RSS Gen
Occupied Bandwidth

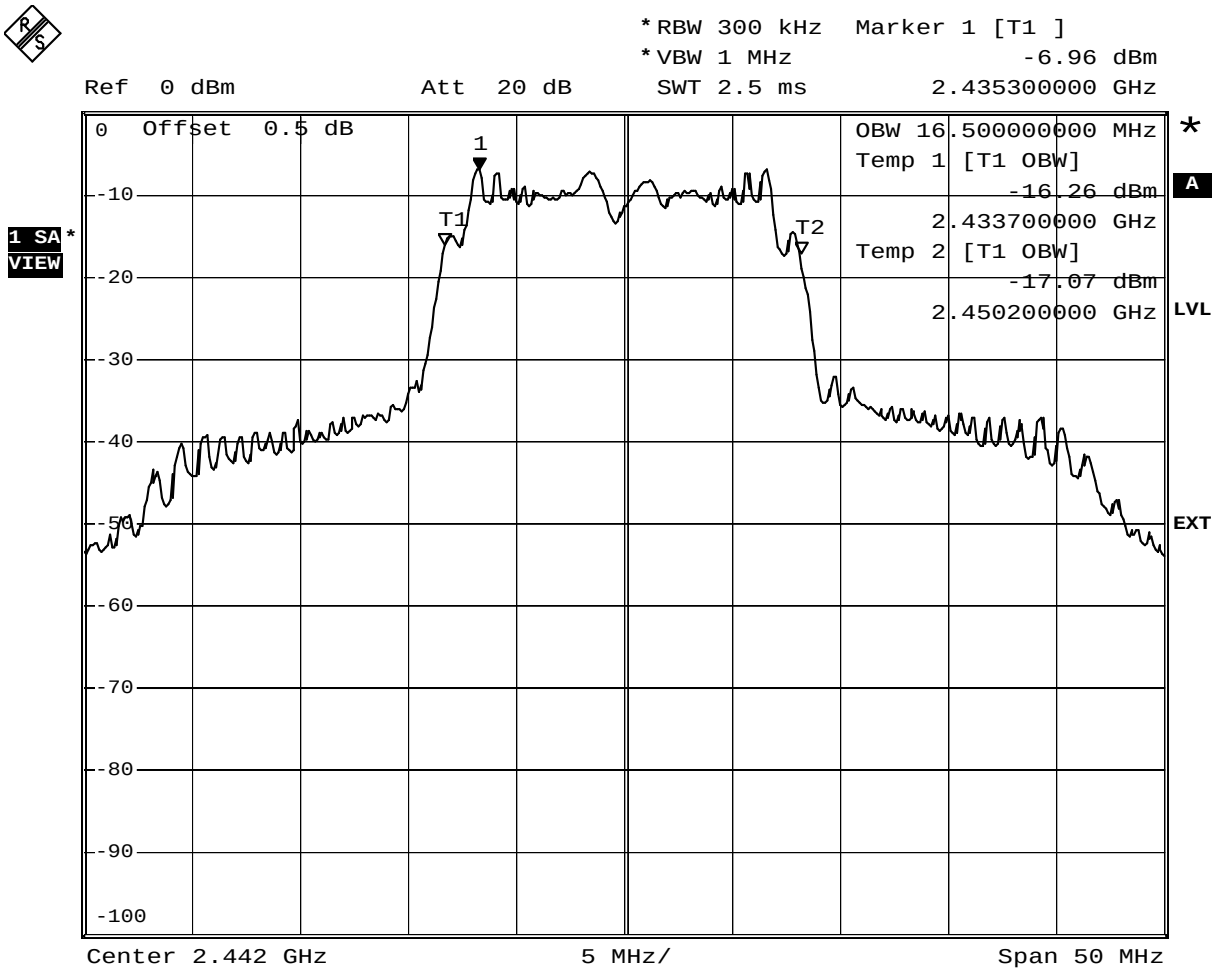
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 2412 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	CSS, power level max, 250 kbit/s



Comment: Occupied bandwidth: 16400 KHz
Date: 3.MAR.2011 13:42:26

RSS Gen
Occupied Bandwidth

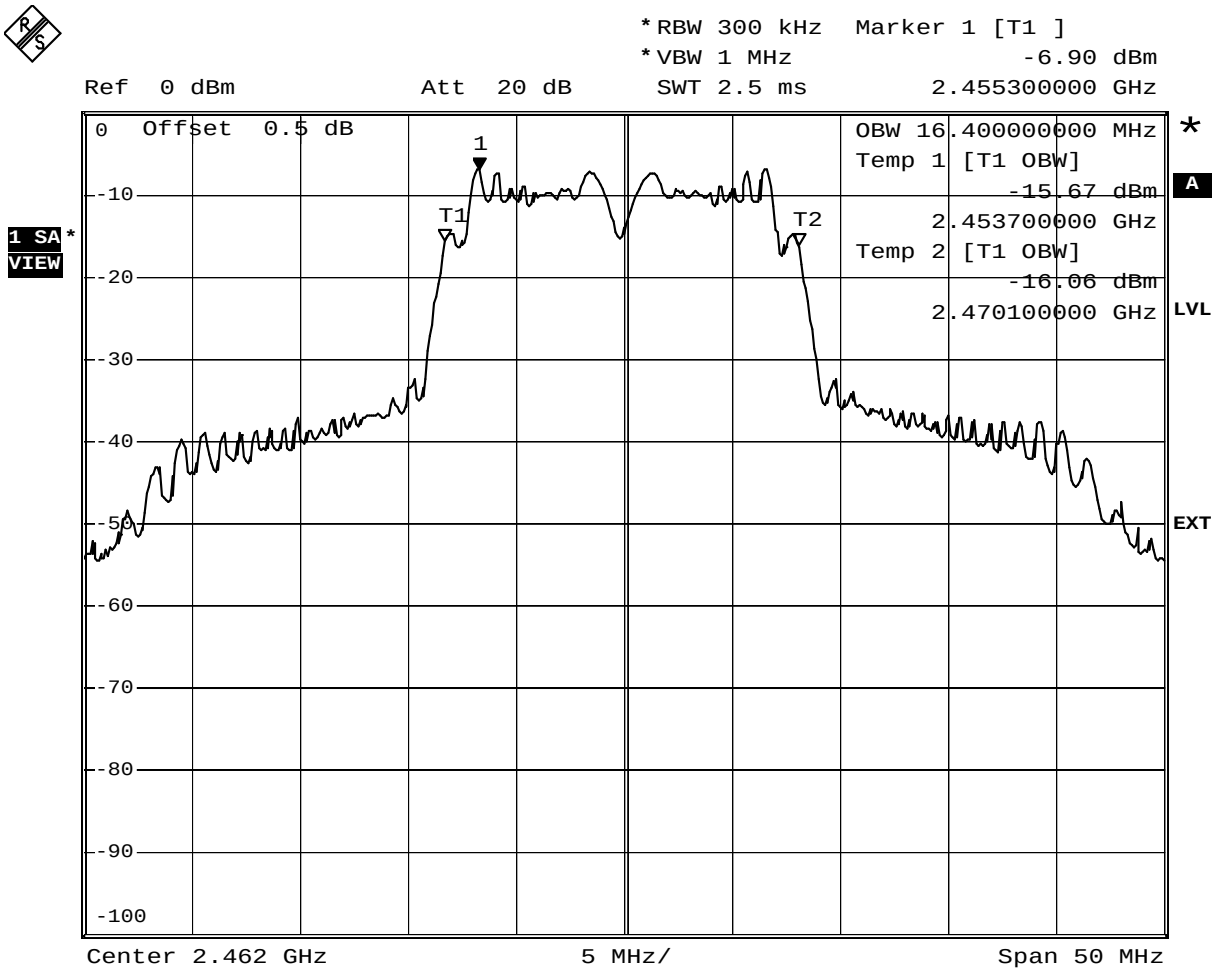
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.:2442 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	CSS, power level max, 250 kbit/s



Comment: Occupied bandwidth: 16500 KHz
Date: 3.MAR.2011 14:08:08

RSS Gen
Occupied Bandwidth

EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
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	CSS, power level max, 250 kbit/s

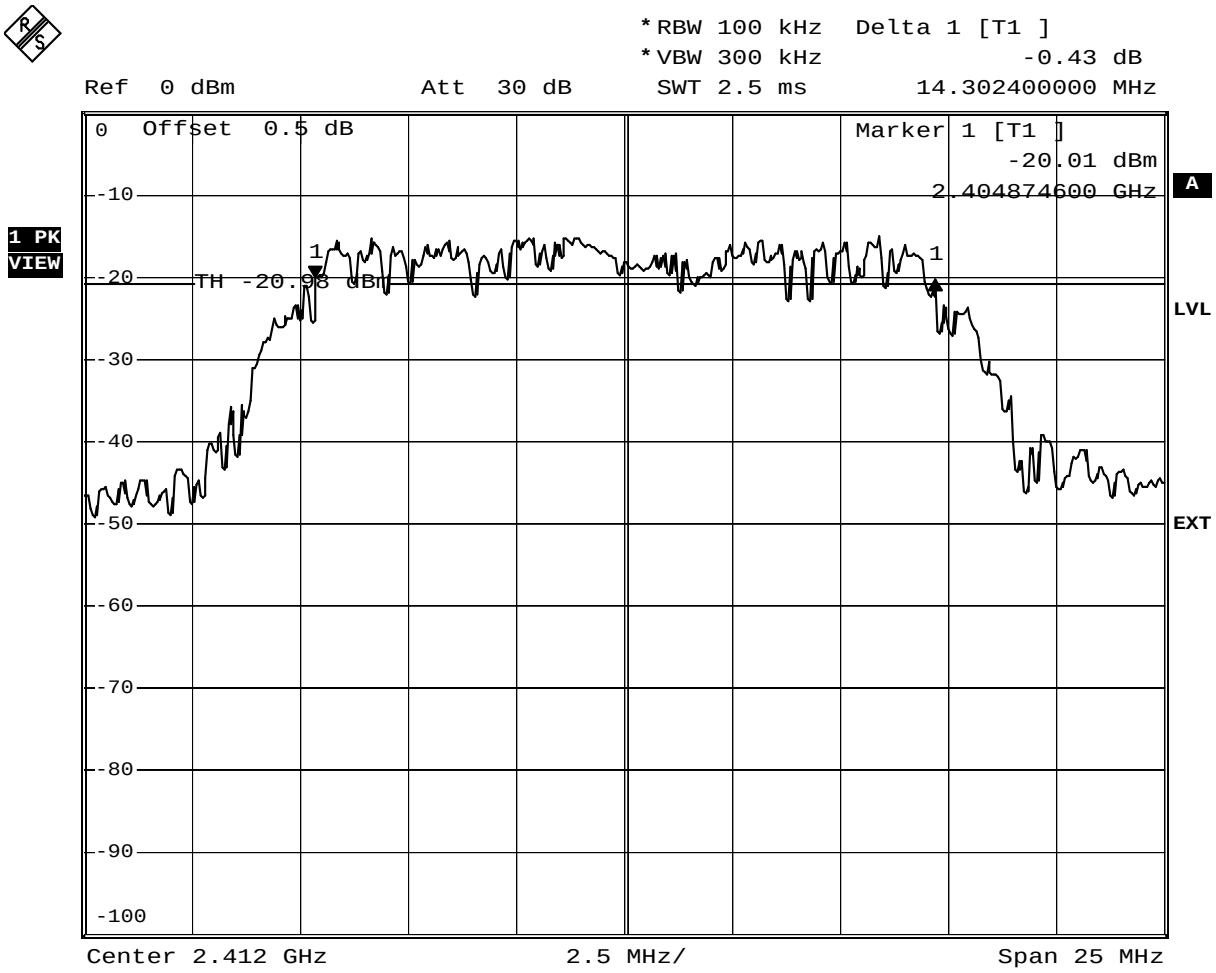


Comment: Occupied bandwidth: 16400 KHz
Date: 3.MAR.2011 14:48:46

Annex C Transmitter 6dB bandwidth

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

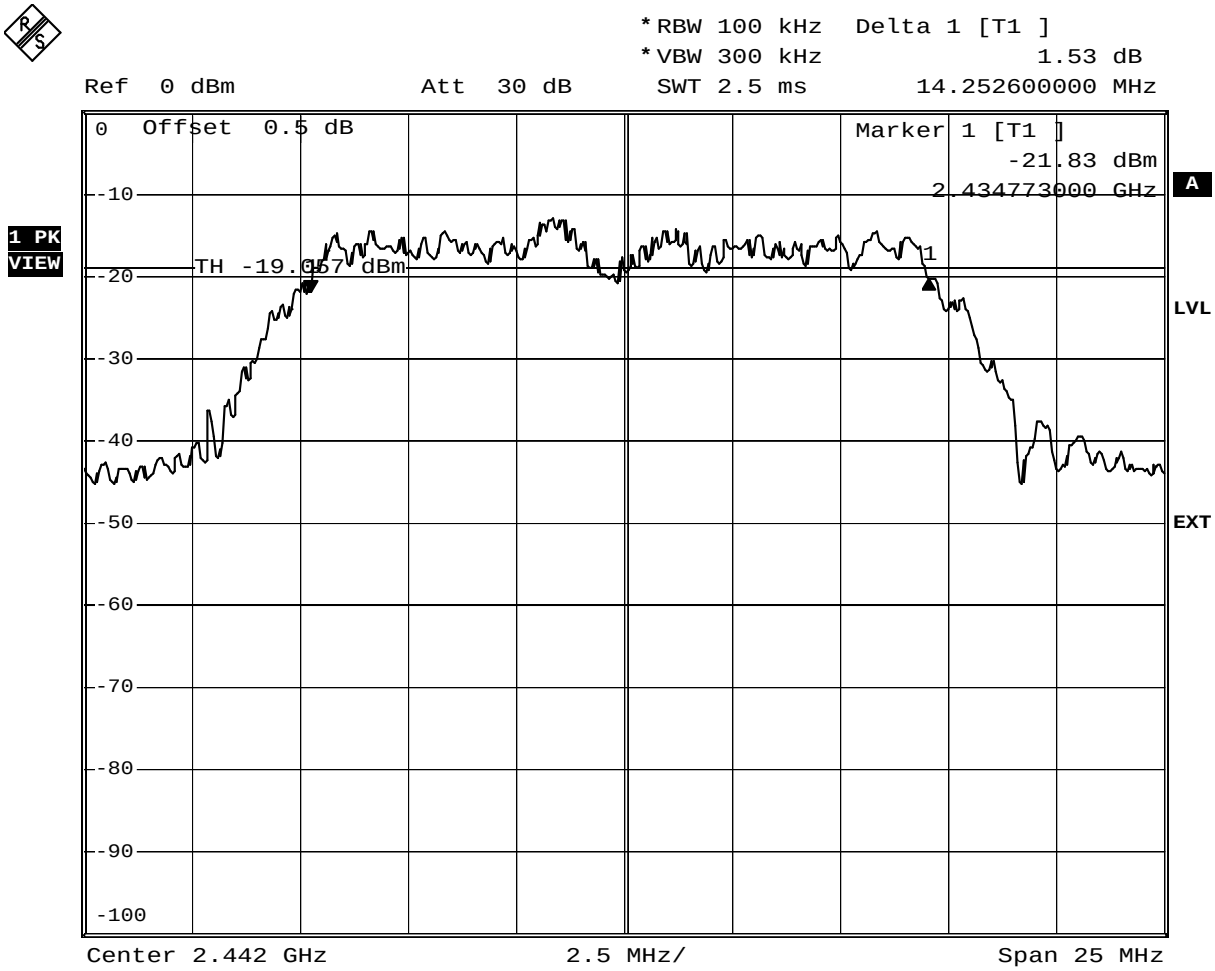
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2412 MHz
Comment 3	CSS, power level max, 250 kbit/s



Comment: 6 dB bandwidth: 14302.4 KHz > 500 KHz; verdict: PASS
Date: 3.MAR.2011 13:34:38

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

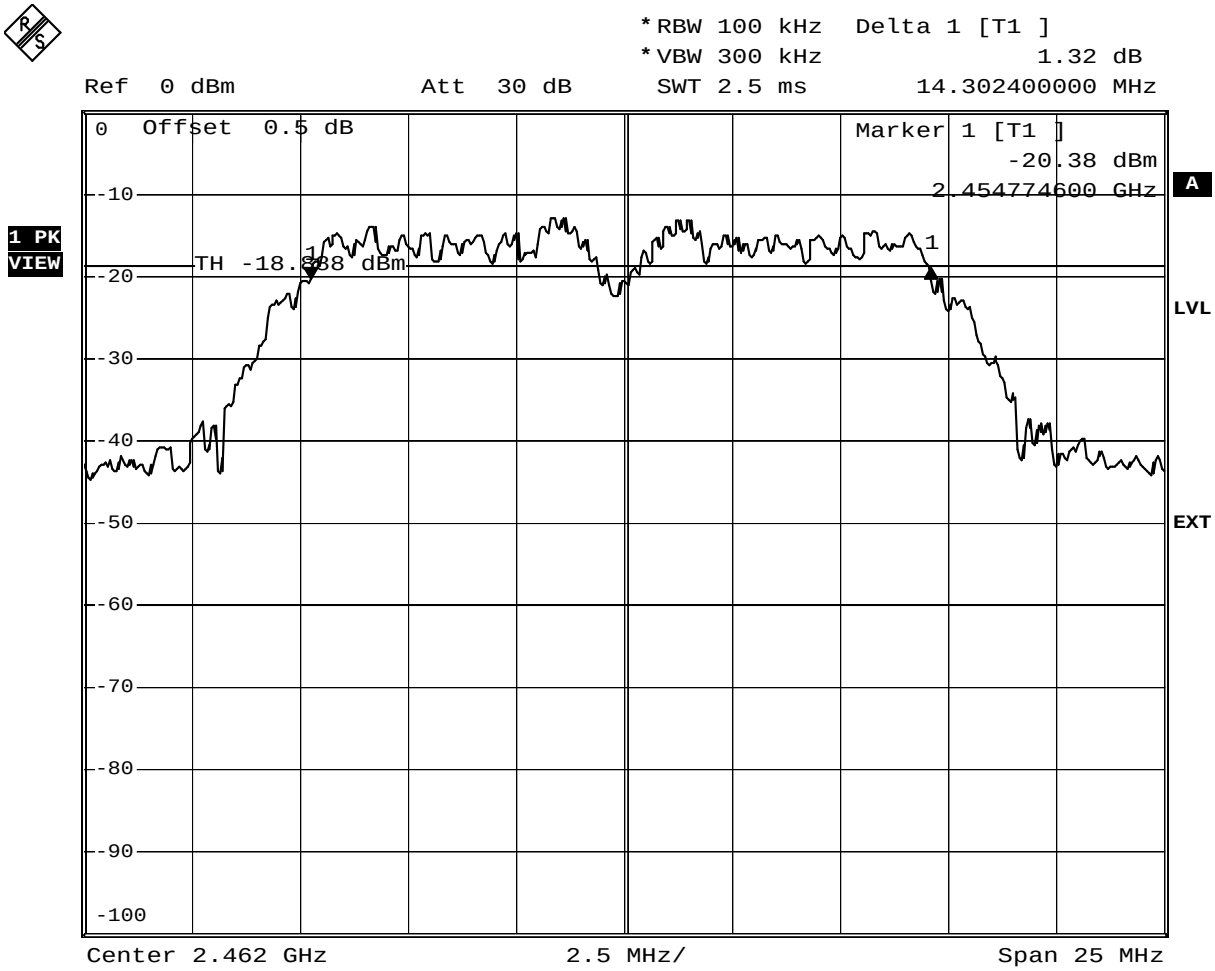
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2442 MHz
Comment 3	CSS, power level max, 250 kbit/s



Comment: 6 dB bandwidth: 14252.6 KHz > 500 KHz; verdict: PASS
Date: 3.MAR.2011 13:55:54

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2462 MHz
Comment 3	CSS, power level max, 250 kbit/s

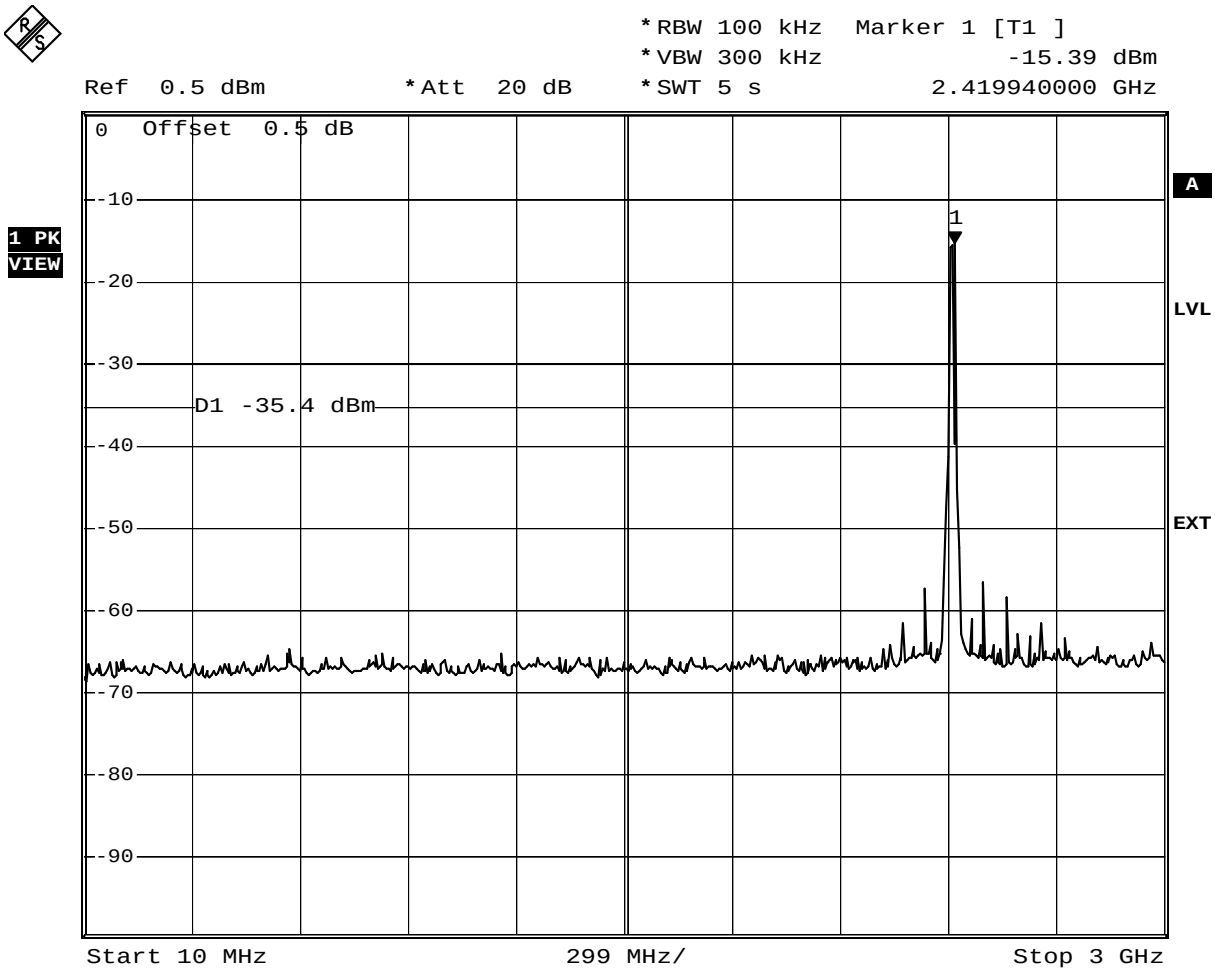


Comment: 6 dB bandwidth: 14302.4 KHz > 500 KHz; verdict: PASS
Date: 3.MAR.2011 14:40:12

Annex D Transmitter conducted spurious emissions

FCC part 15.247 (d)
Spurious Emissions

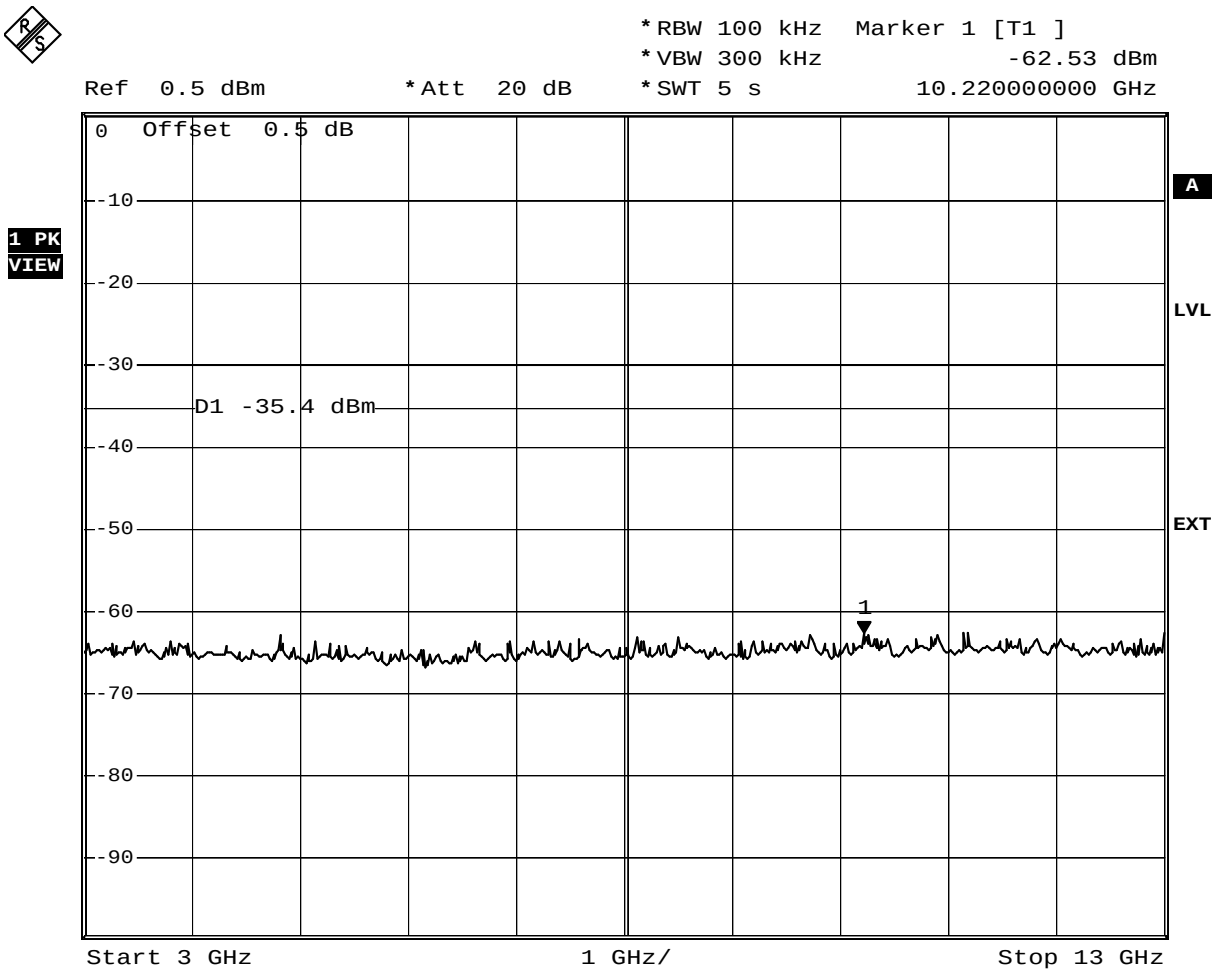
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	CSS, power level max, 250 kbit/s



Date: 3.MAR.2011 13:38:25

FCC part 15.247 (d)
Spurious Emissions

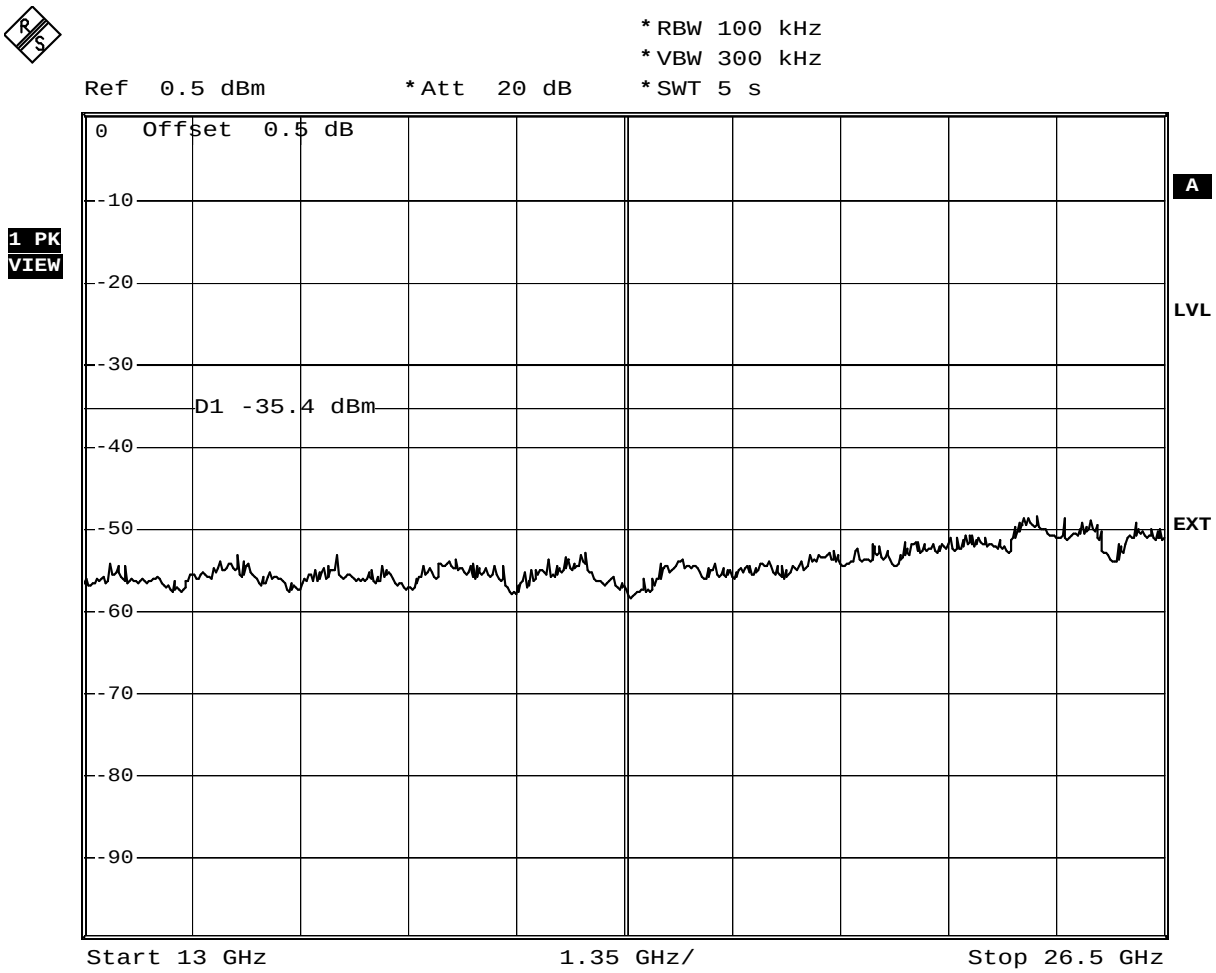
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	CSS, power level max, 250 kbit/s



Date: 3.MAR.2011 13:39:33

FCC part 15.247 (d)
Spurious Emissions

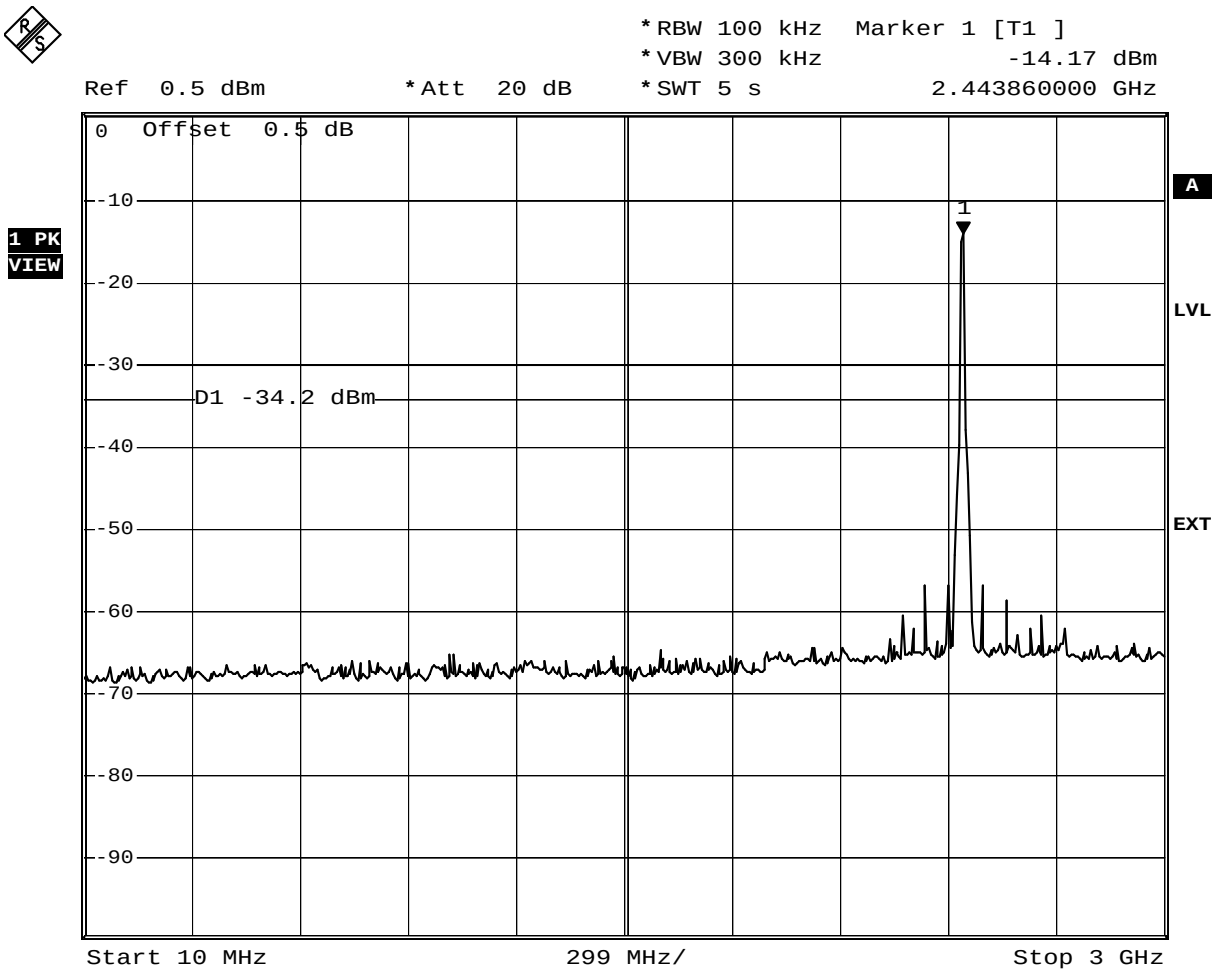
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	CSS, power level max, 250 kbit/s



Date: 3.MAR.2011 13:40:29

FCC part 15.247 (d)
Spurious Emissions

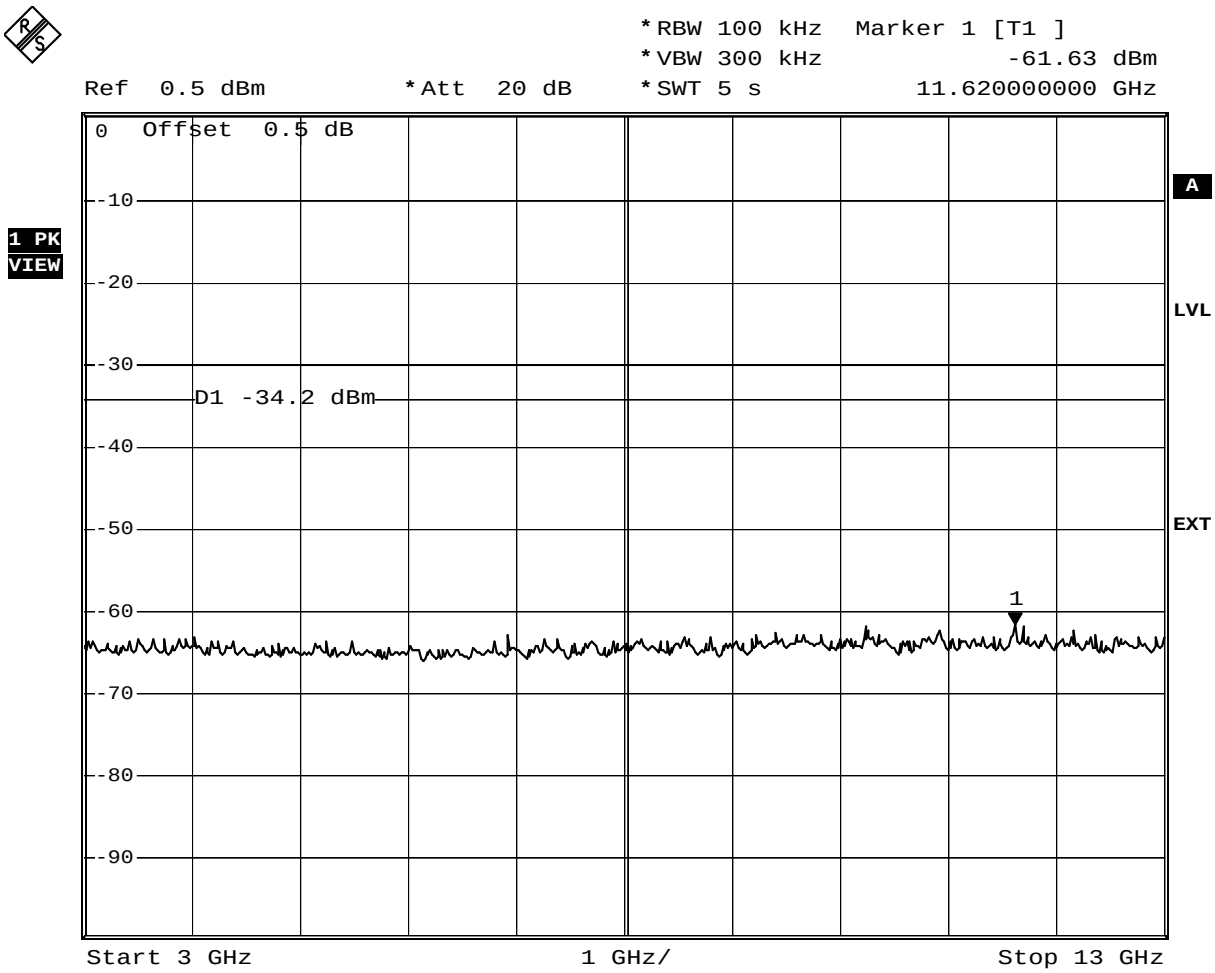
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2442 MHz
Comment 3	CSS, power level max, 250 kbit/s



Date: 3.MAR.2011 13:58:49

FCC part 15.247 (d)
Spurious Emissions

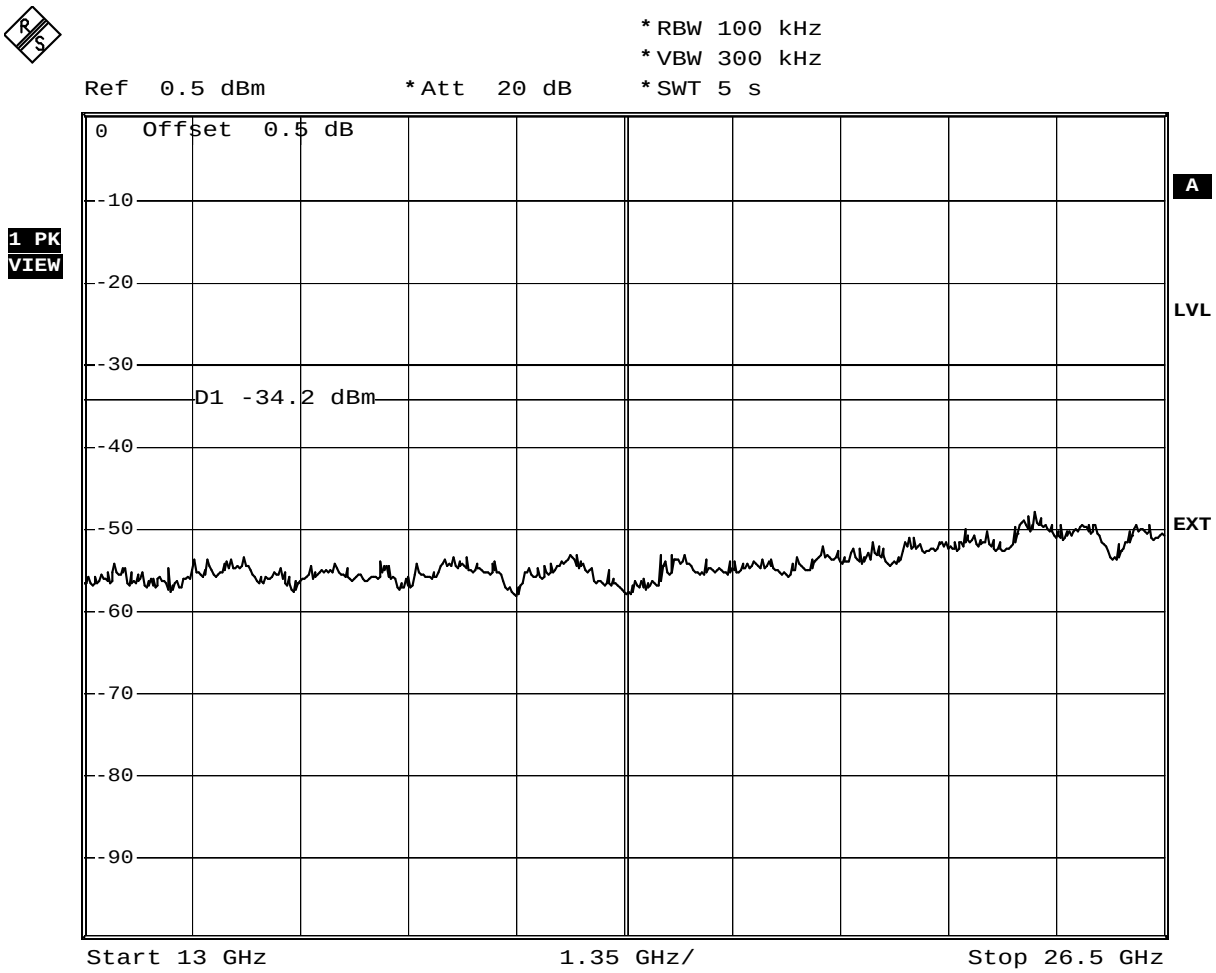
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2442 MHz
Comment 3	CSS, power level max, 250 kbit/s



Date: 3.MAR.2011 14:00:26

FCC part 15.247 (d)
Spurious Emissions

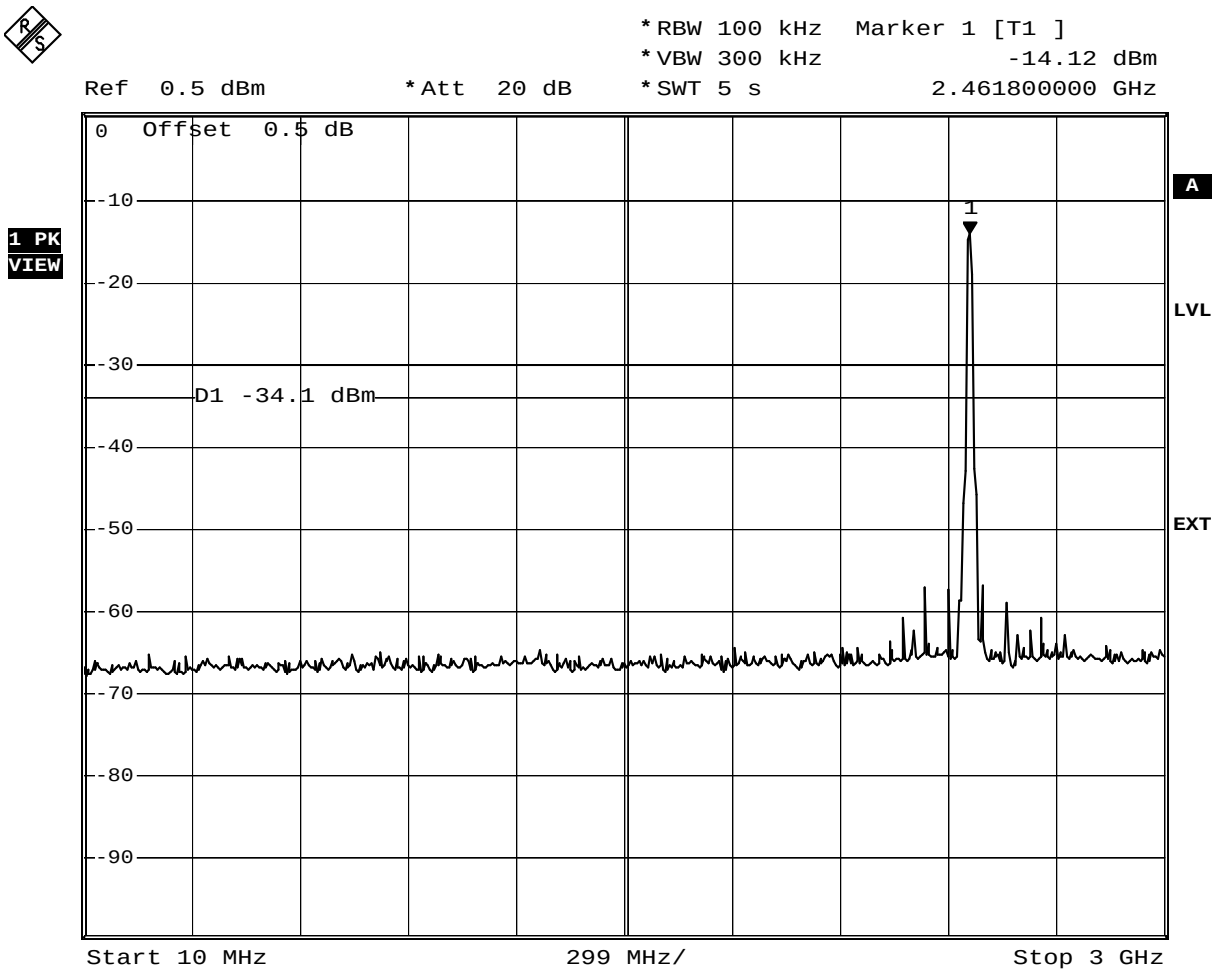
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2442 MHz
Comment 3	CSS, power level max, 250 kbit/s



Date: 3.MAR.2011 14:01:25

FCC part 15.247 (d)
Spurious Emissions

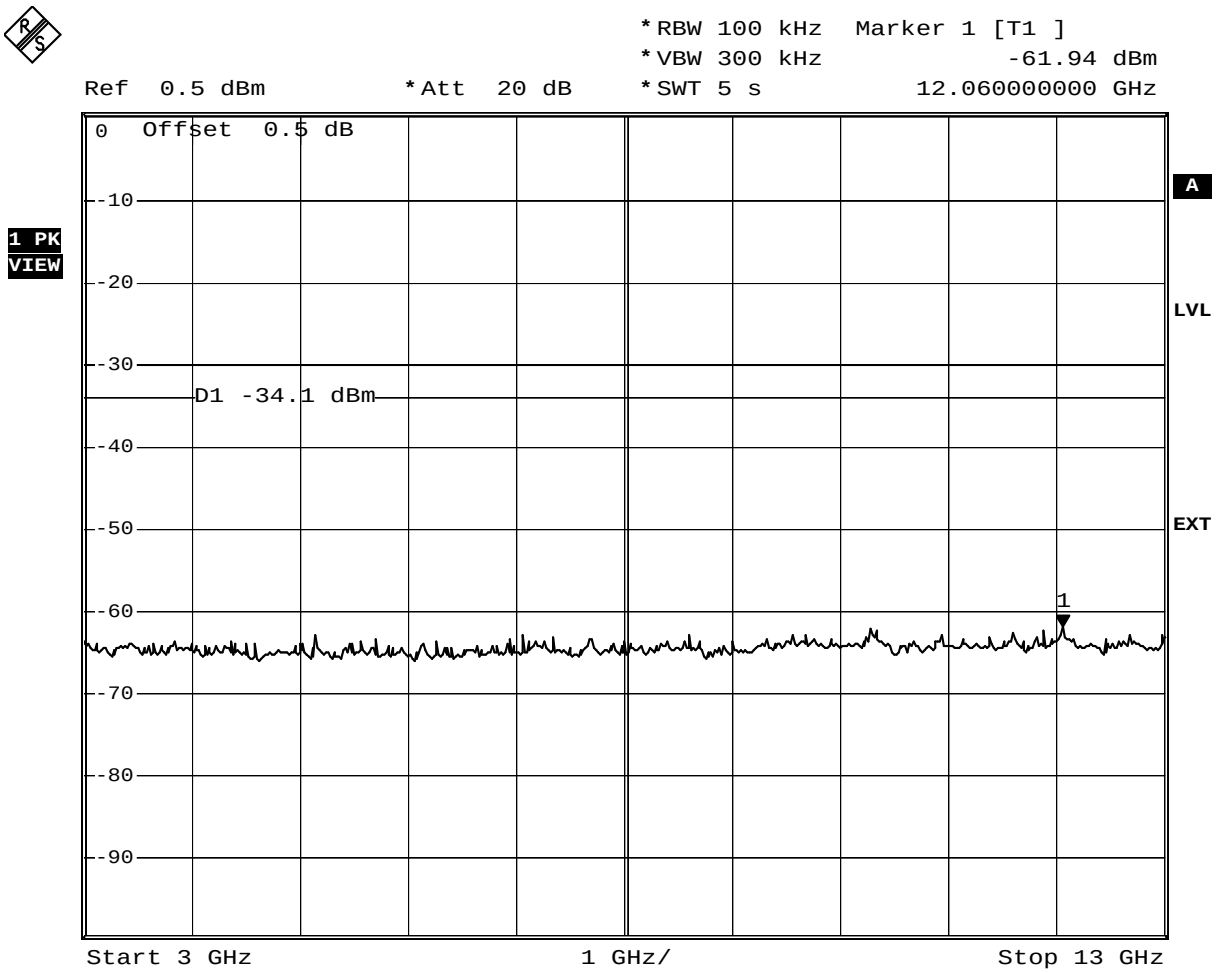
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	CSS, power level max, 250 kbit/s



Date: 3.MAR.2011 14:41:50

FCC part 15.247 (d)
Spurious Emissions

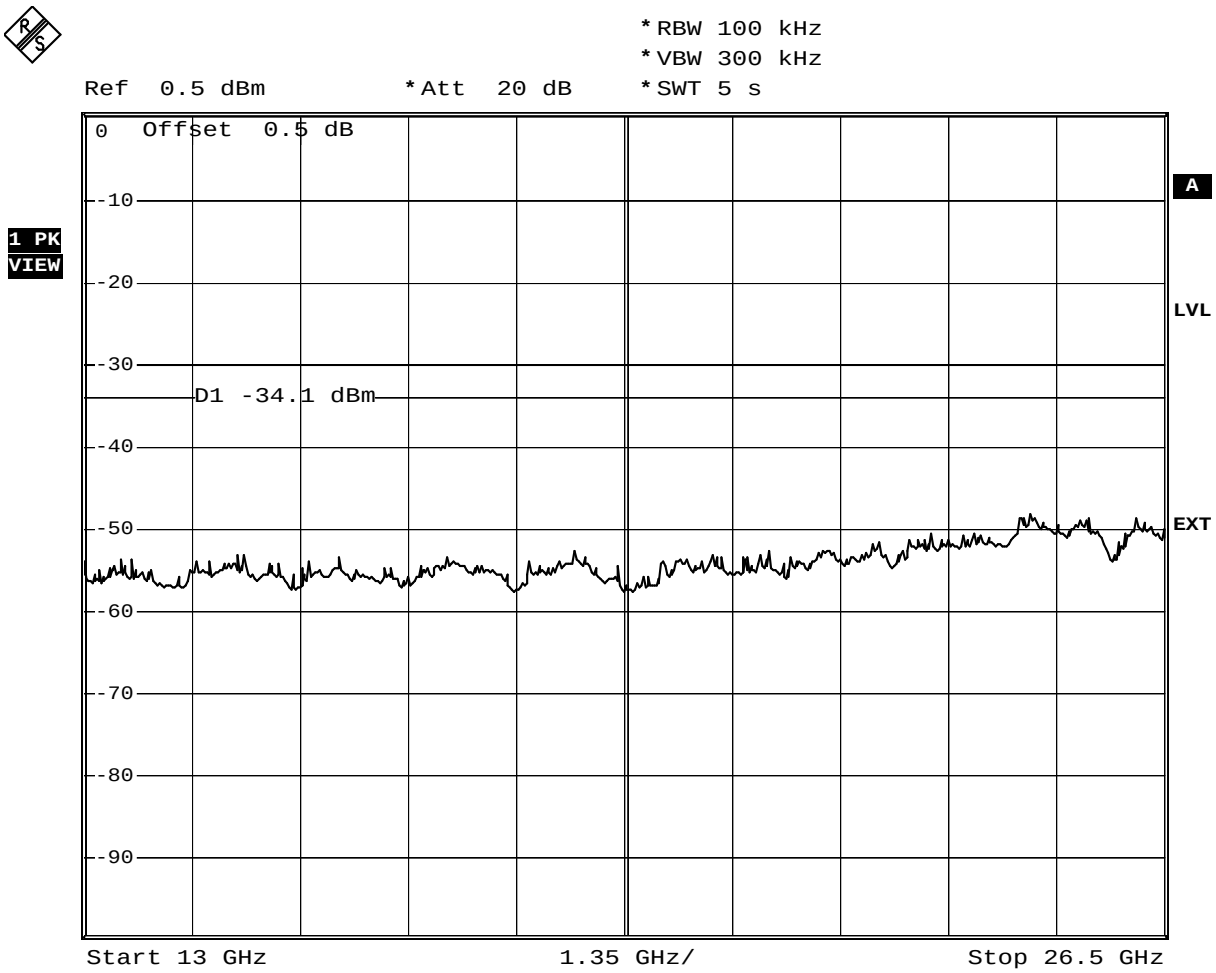
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	CSS, power level max, 250 kbit/s



Date: 3.MAR.2011 14:45:02

FCC part 15.247 (d)
Spurious Emissions

EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	CSS, power level max, 250 kbit/s

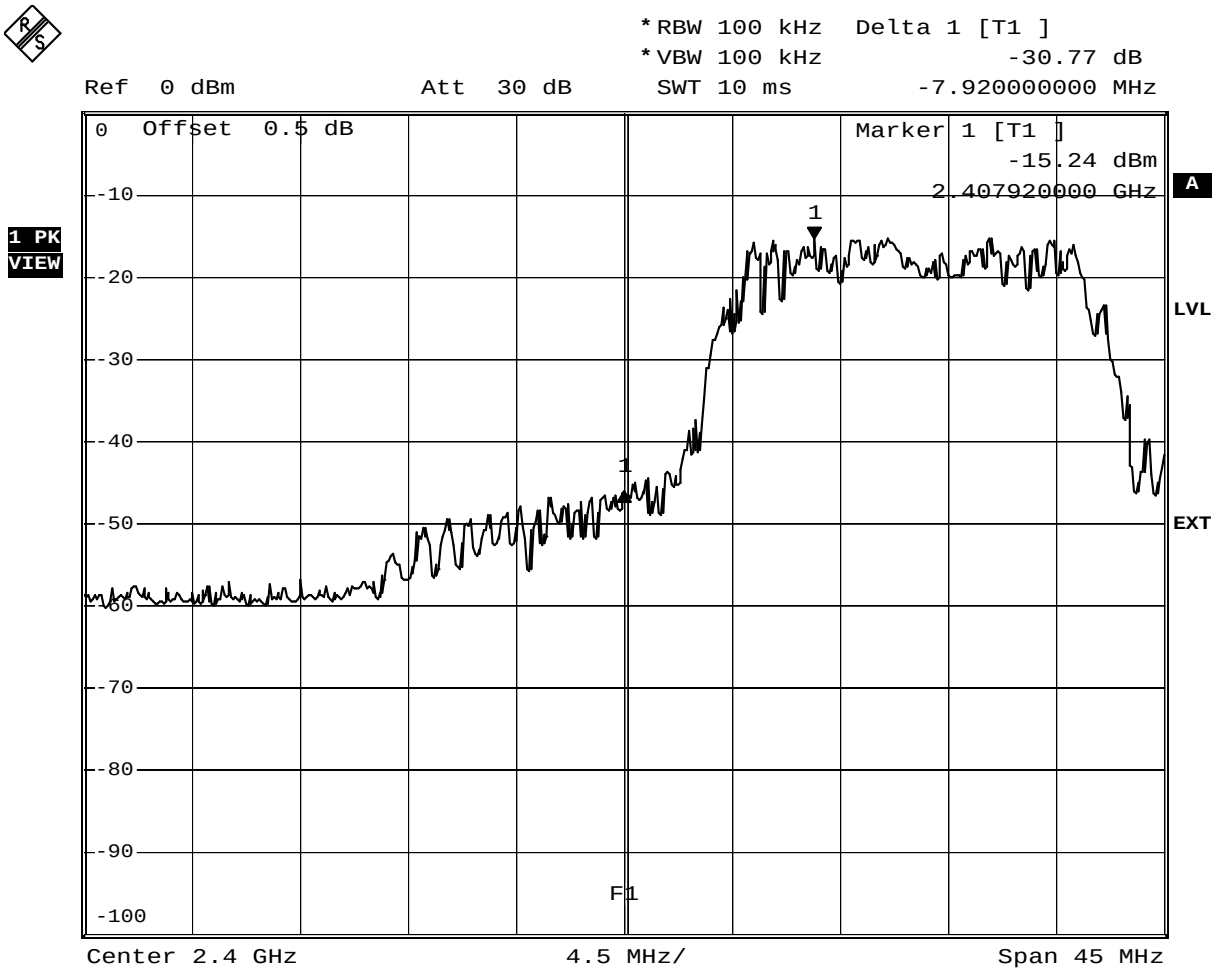


Date: 3.MAR.2011 14:46:25

Annex E Band edge compliance

FCC part 15.247
Band-edge compliance of RF conducted emissions

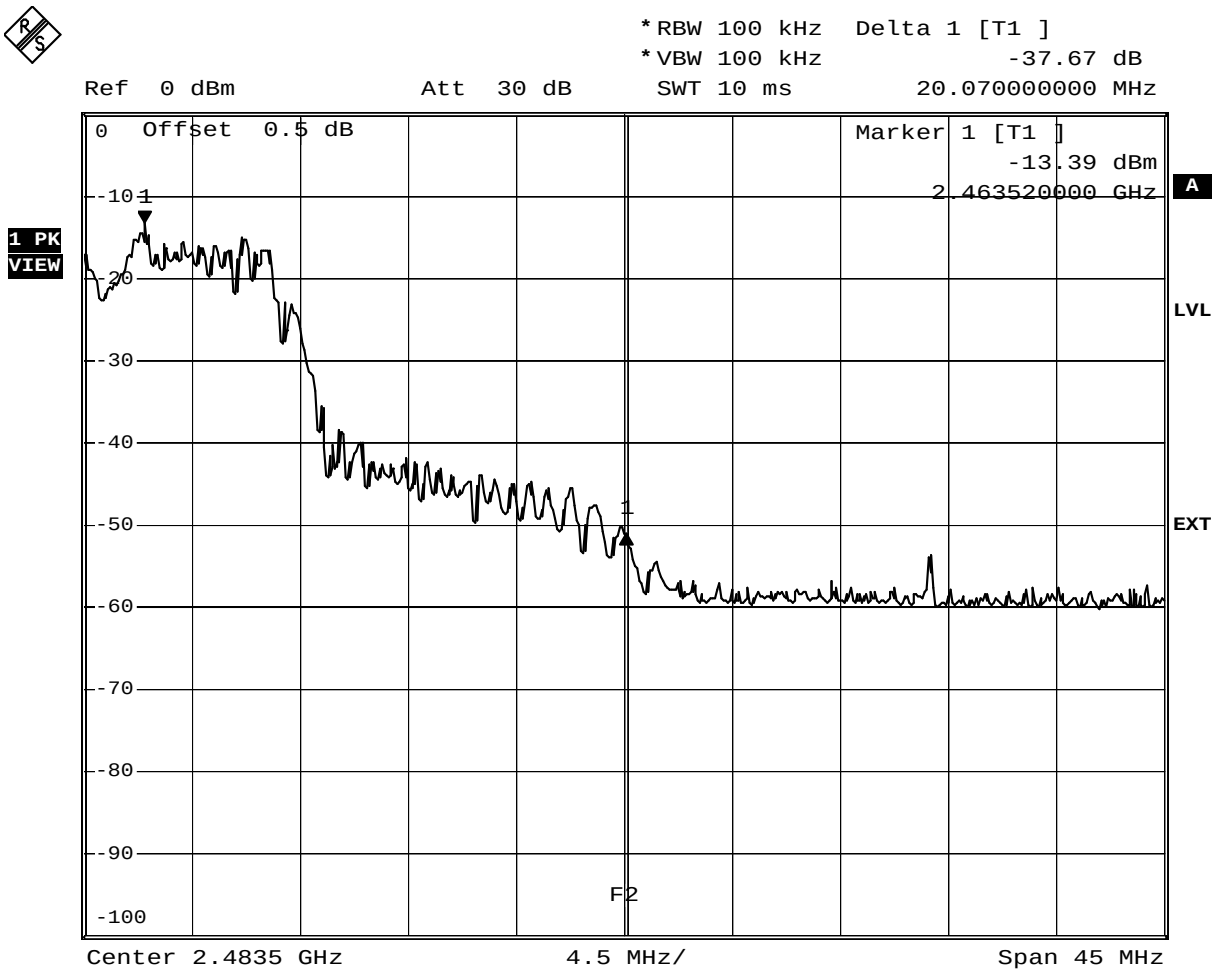
EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2412 MHz
Comment 3	CSS, power level max, 250 kbit/s



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 3.MAR.2011 13:44:50

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	Measuring Probe
Model	P03.6000 TC60
Approval Holder	BLUM Novotest / Ord.: G0M21007-3432
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2462 MHz
Comment 3	CSS, power level max, 250 kbit/s



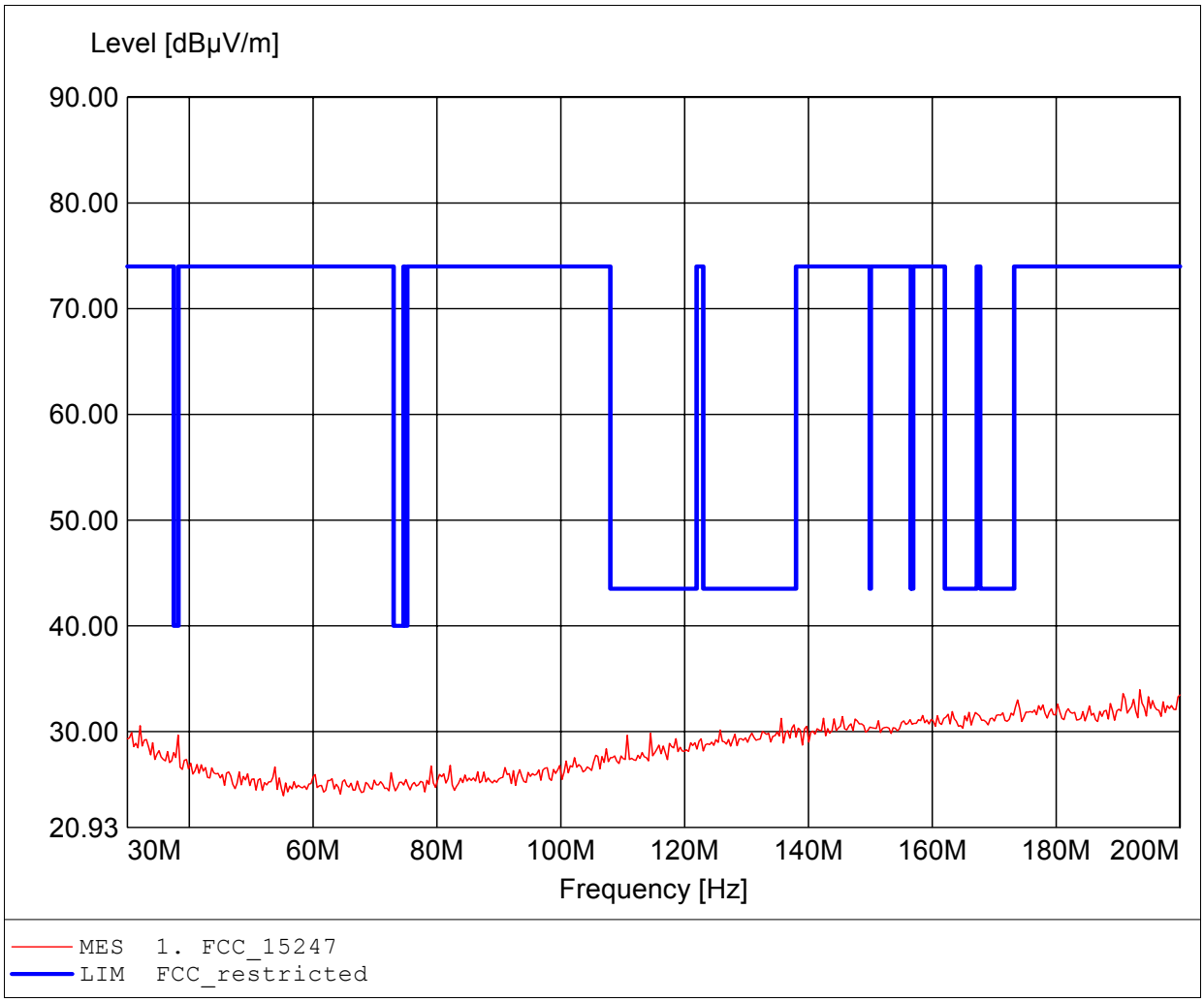
Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 3.MAR.2011 14:50:32

Annex F Transmitter radiated spurious emissions

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

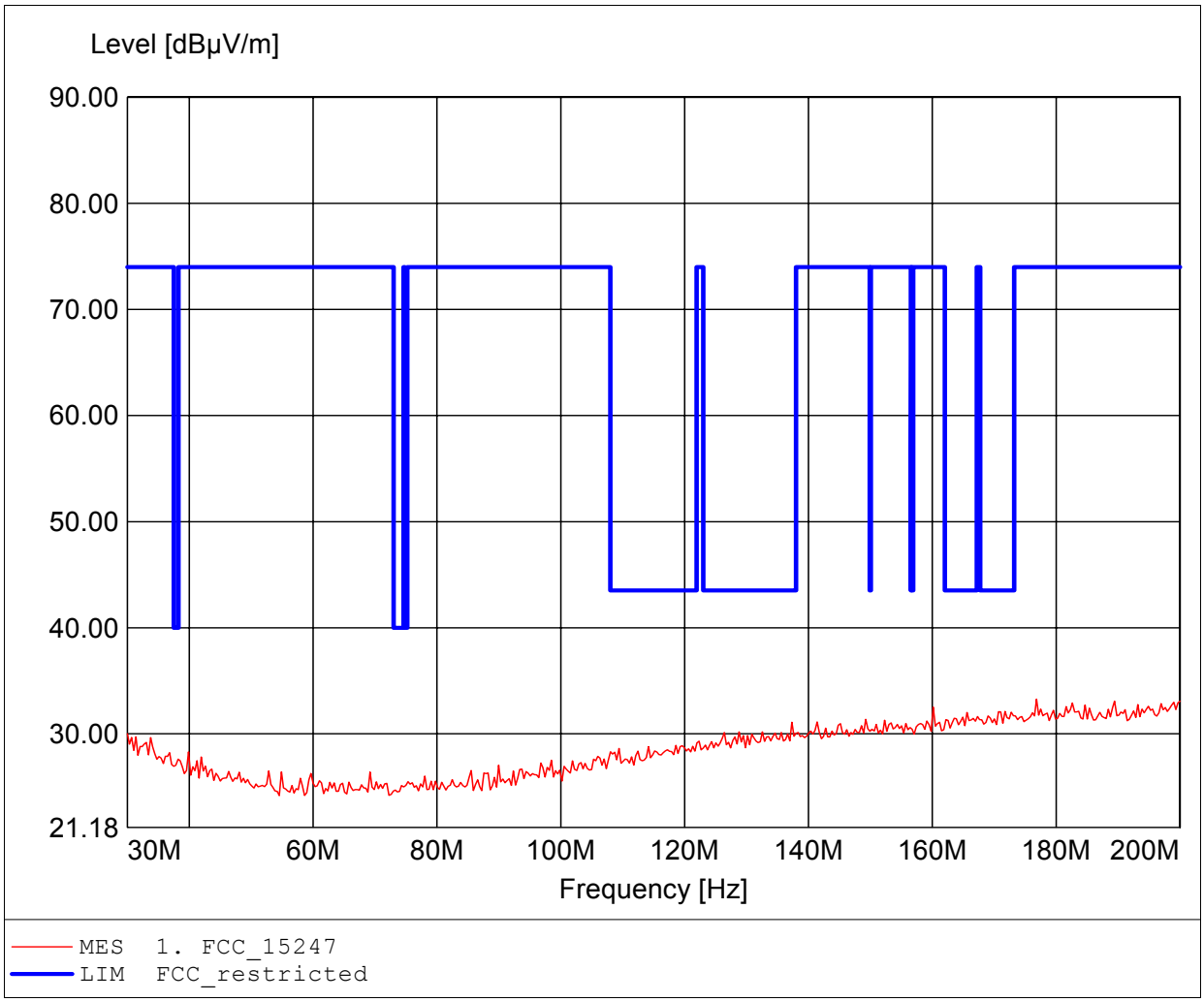
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq: 193.527MHz, Emax: 33.96dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

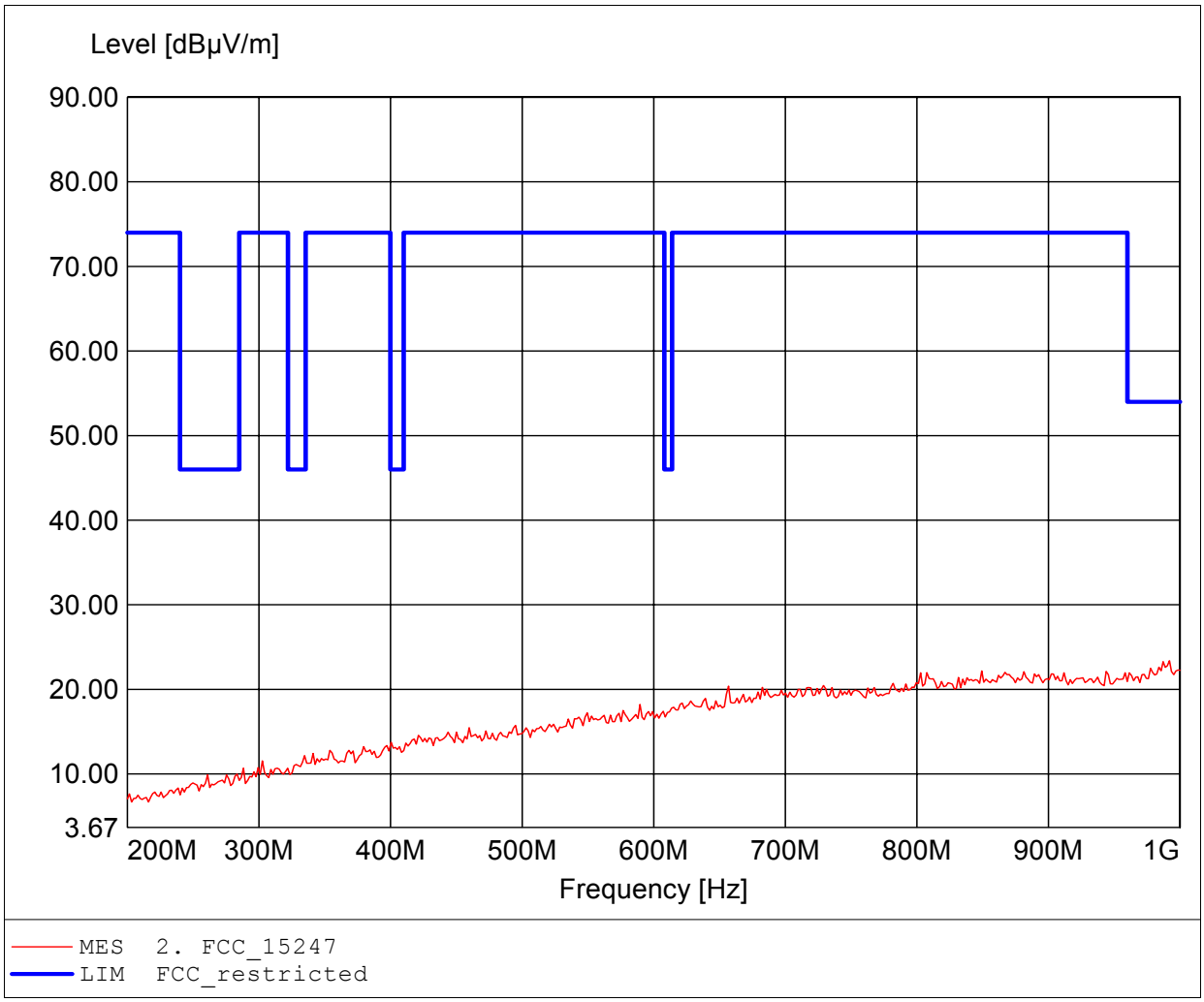
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq: 176.834MHz, Emax: 33.27dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

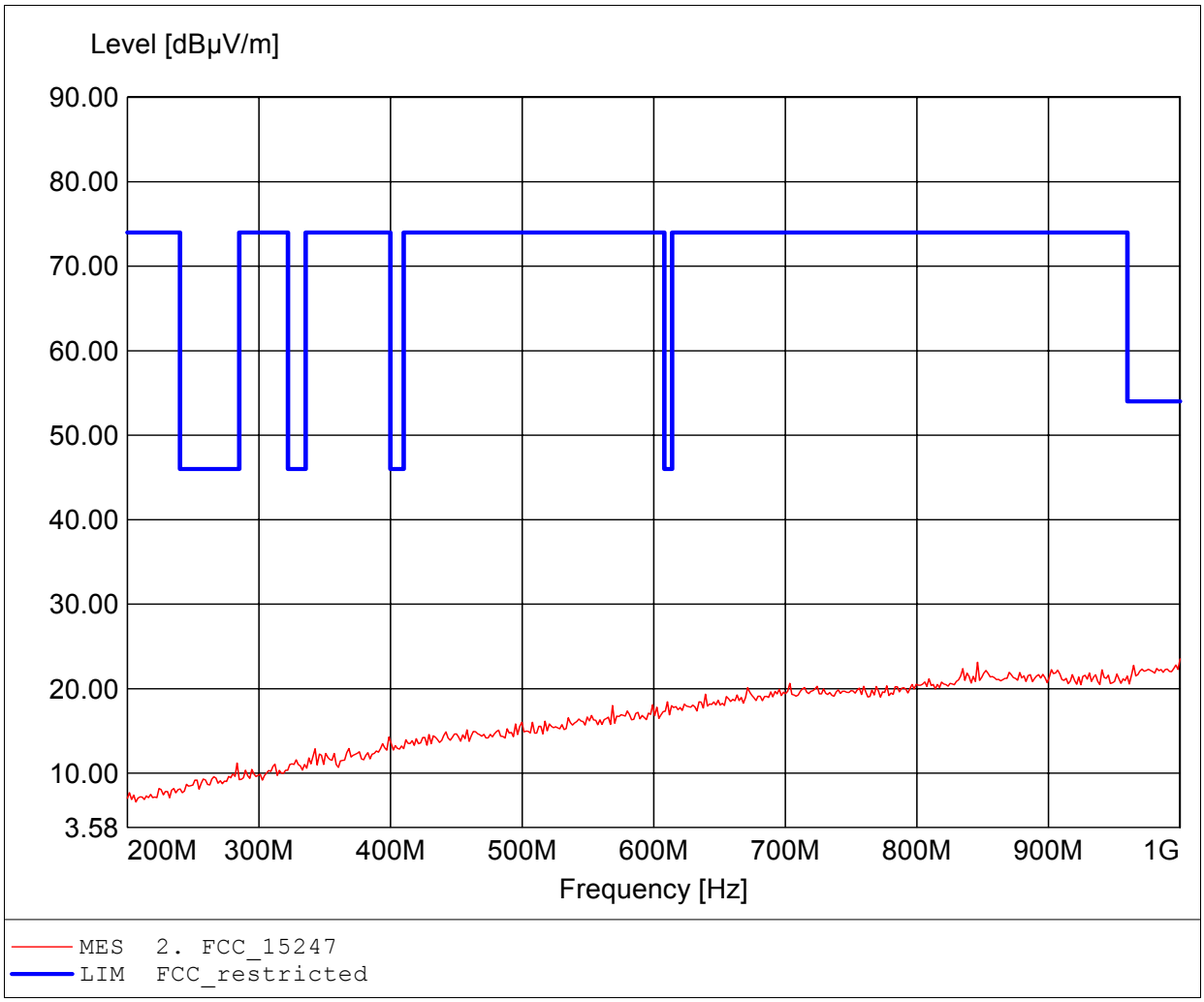
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247
Comment 1:	Dist.: 3m, Ant.: HL 223, amplif.
Comment 2:	Freq: 991.984MHz, Emax: 23.38dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

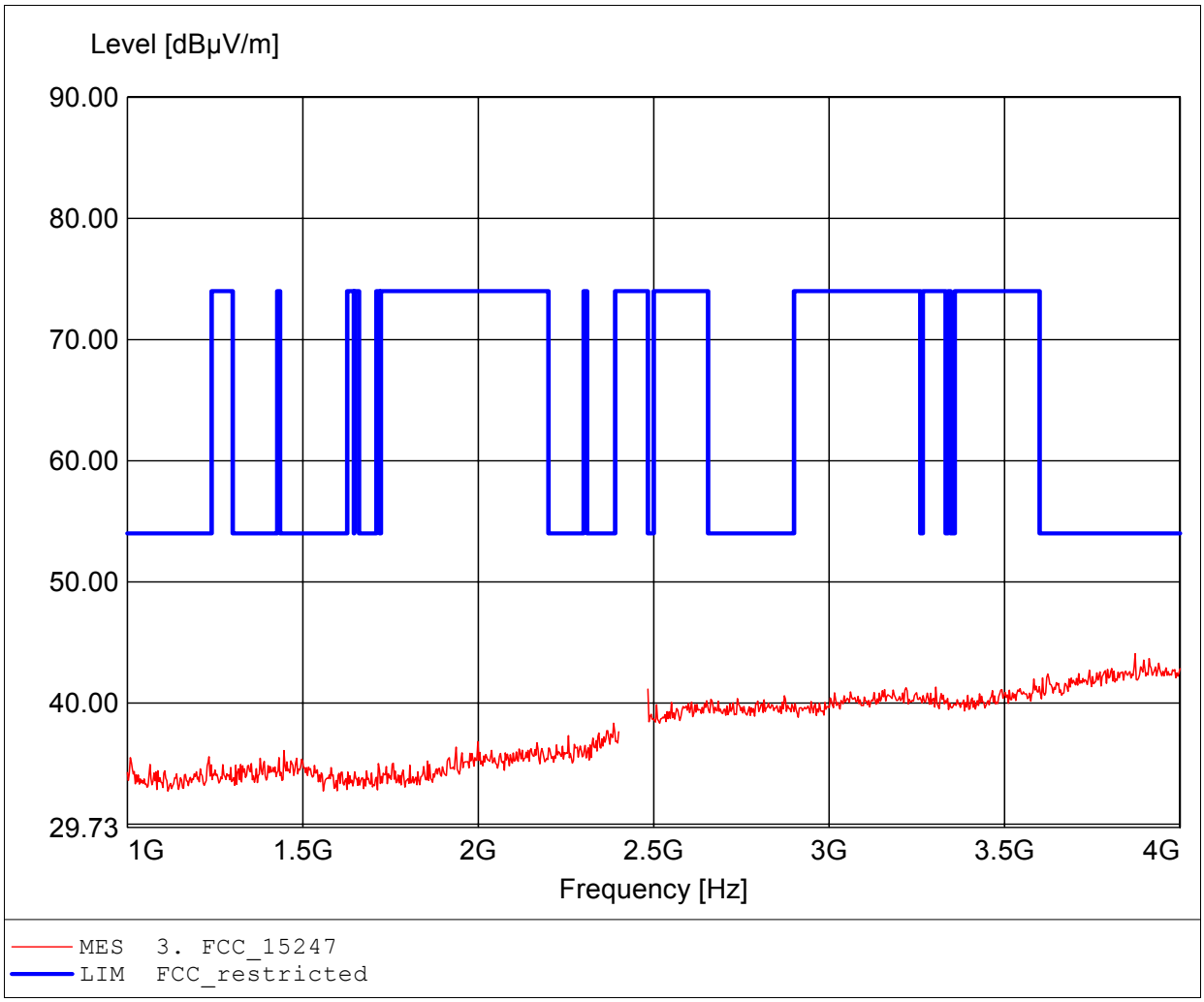
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247
Comment 1:	Dist.: 3m, Ant.: HL 223, amplif.
Comment 2:	Freq: 1.000GHz, Emax: 23.53dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

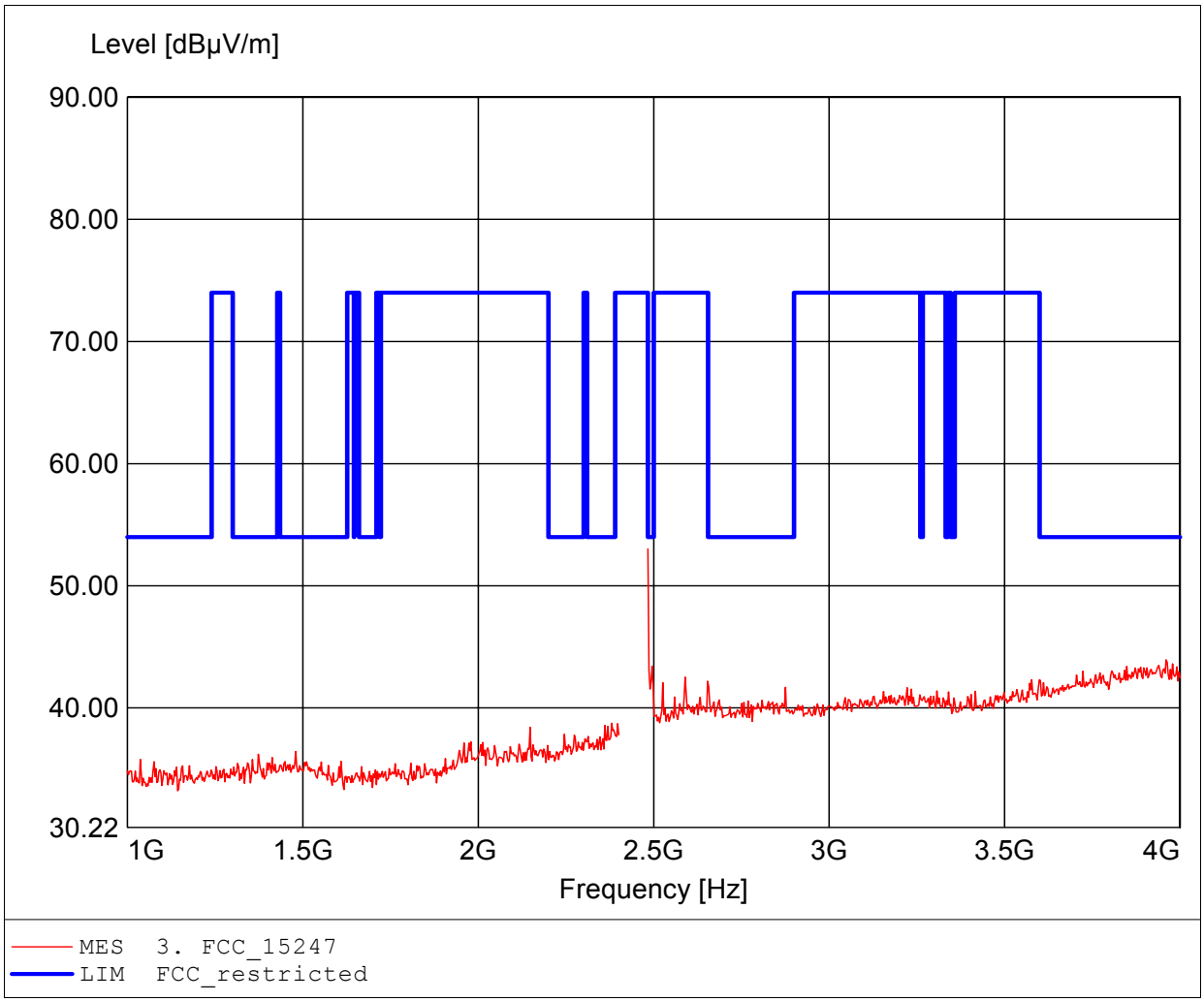
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3433
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2462 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 3.872GHz, Emax: 44.07dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

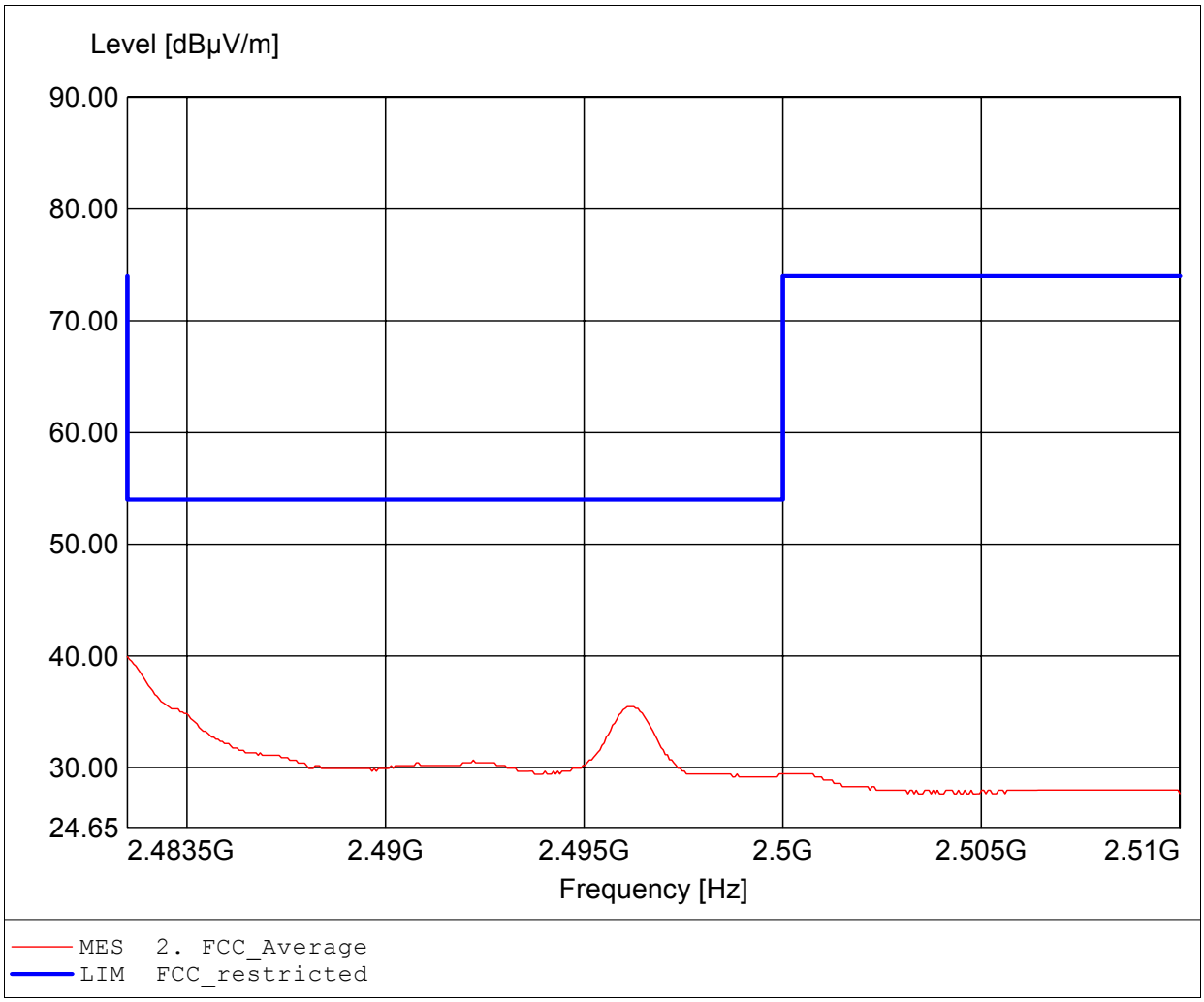
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3433
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2462 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 53.02dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

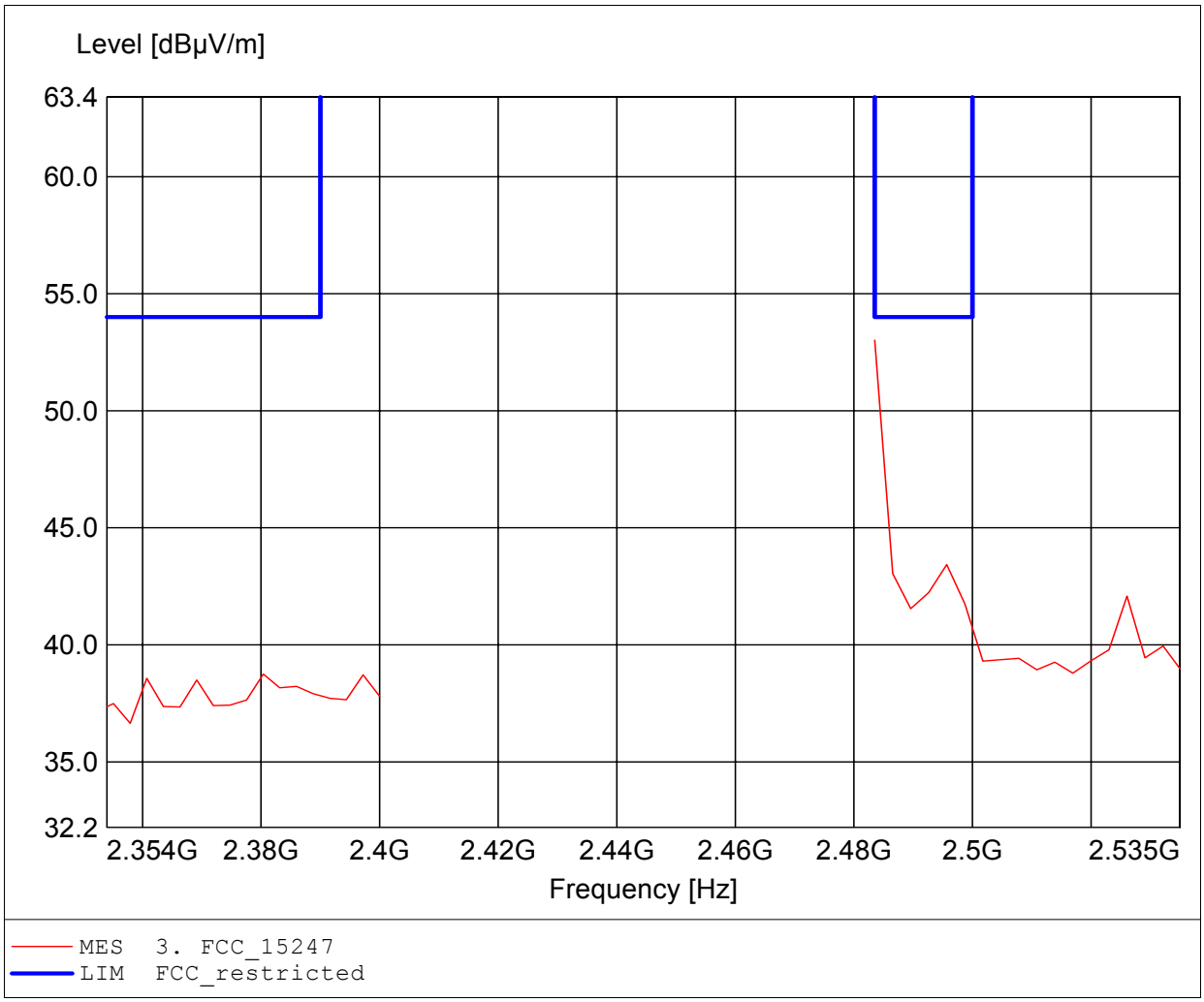
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2462 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, average detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 39.94dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

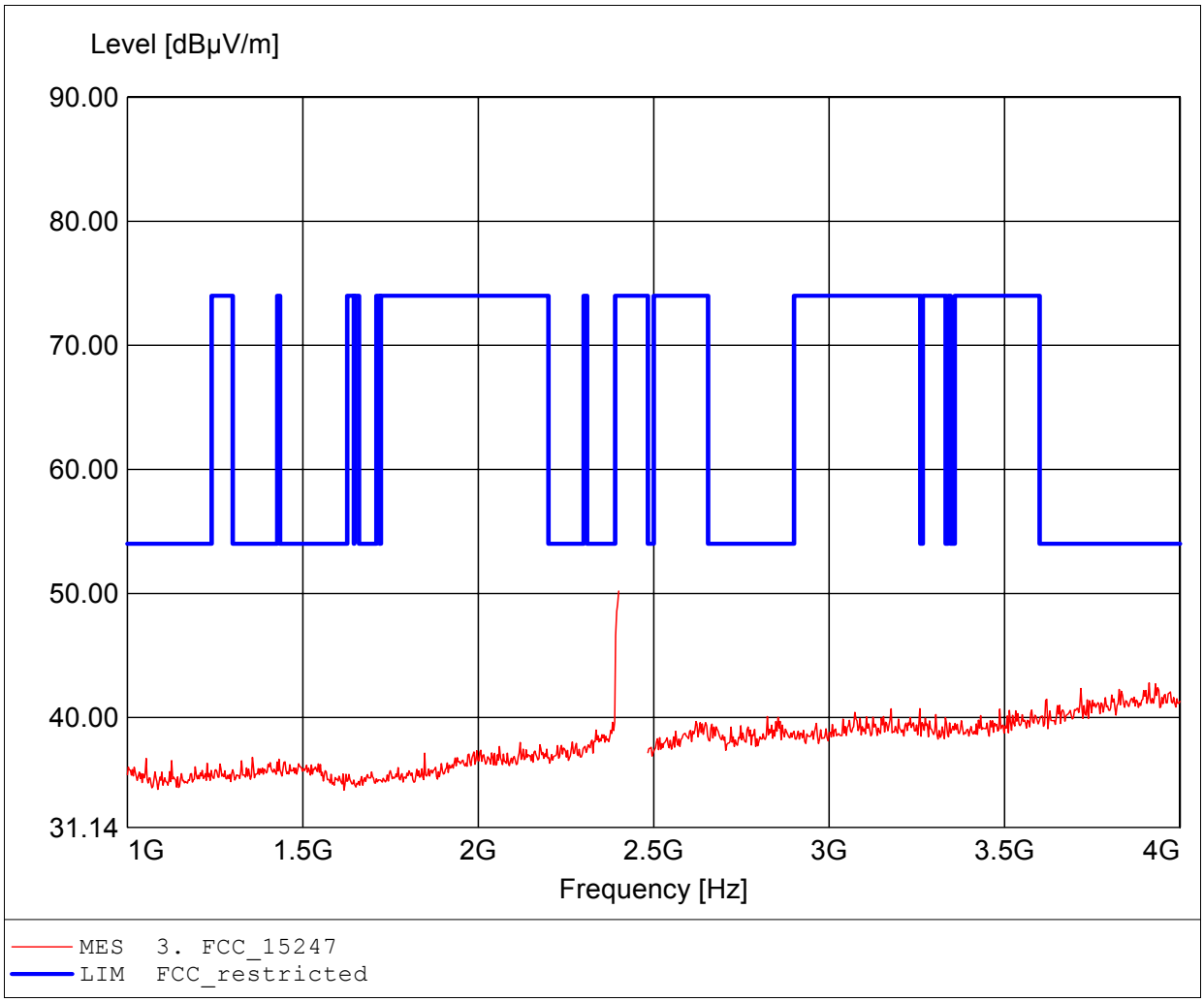
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2462 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 53.02dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

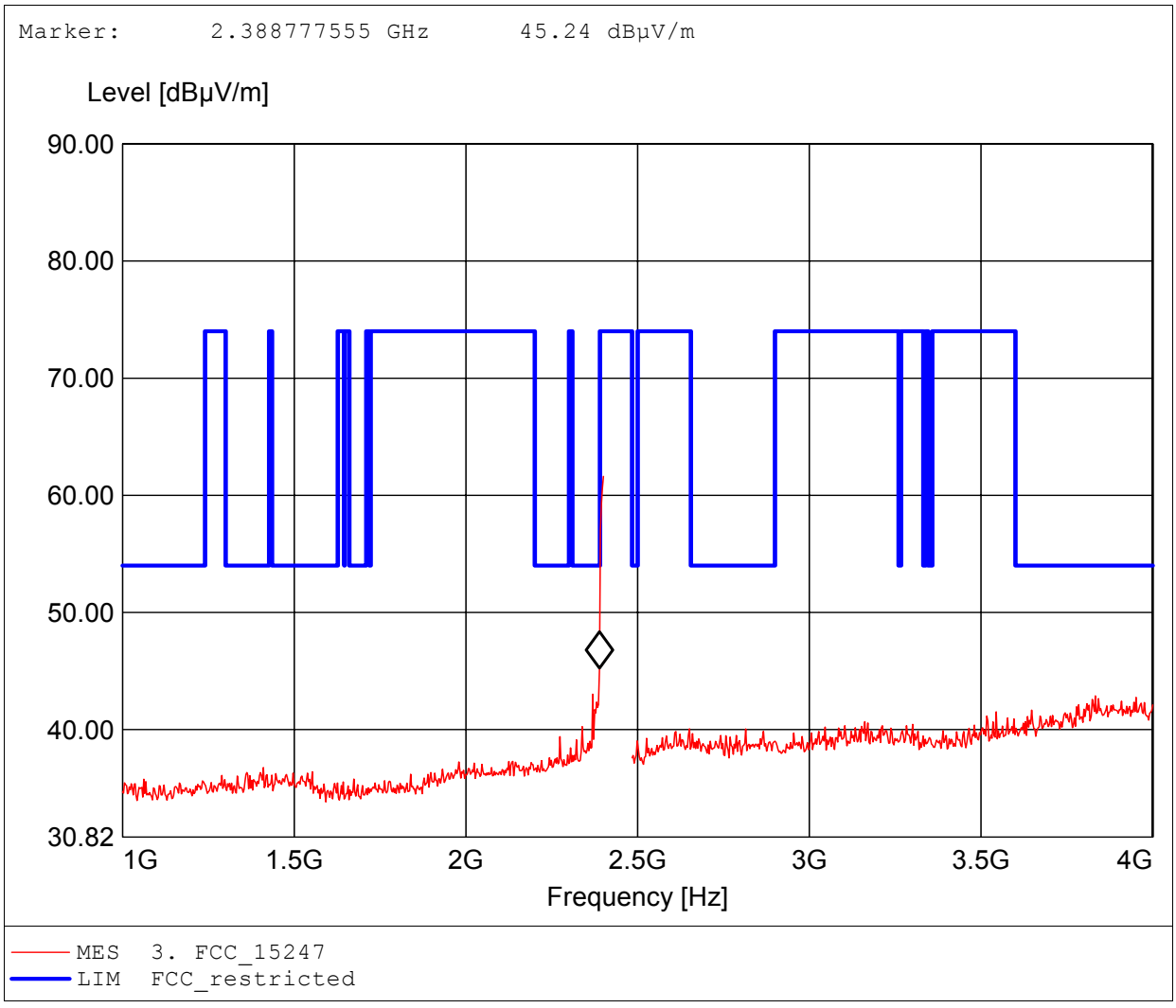
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 50.20dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

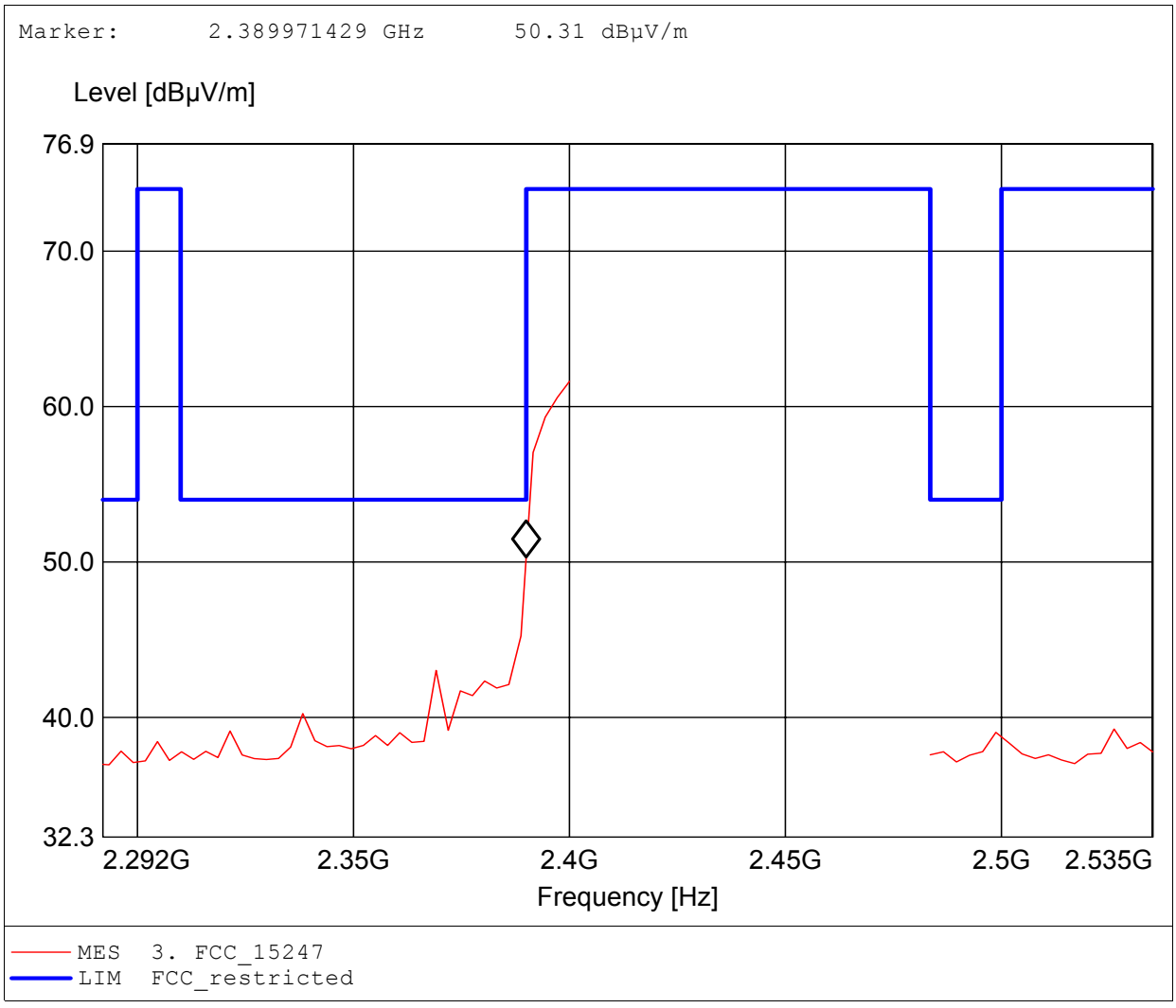
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 61.62dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

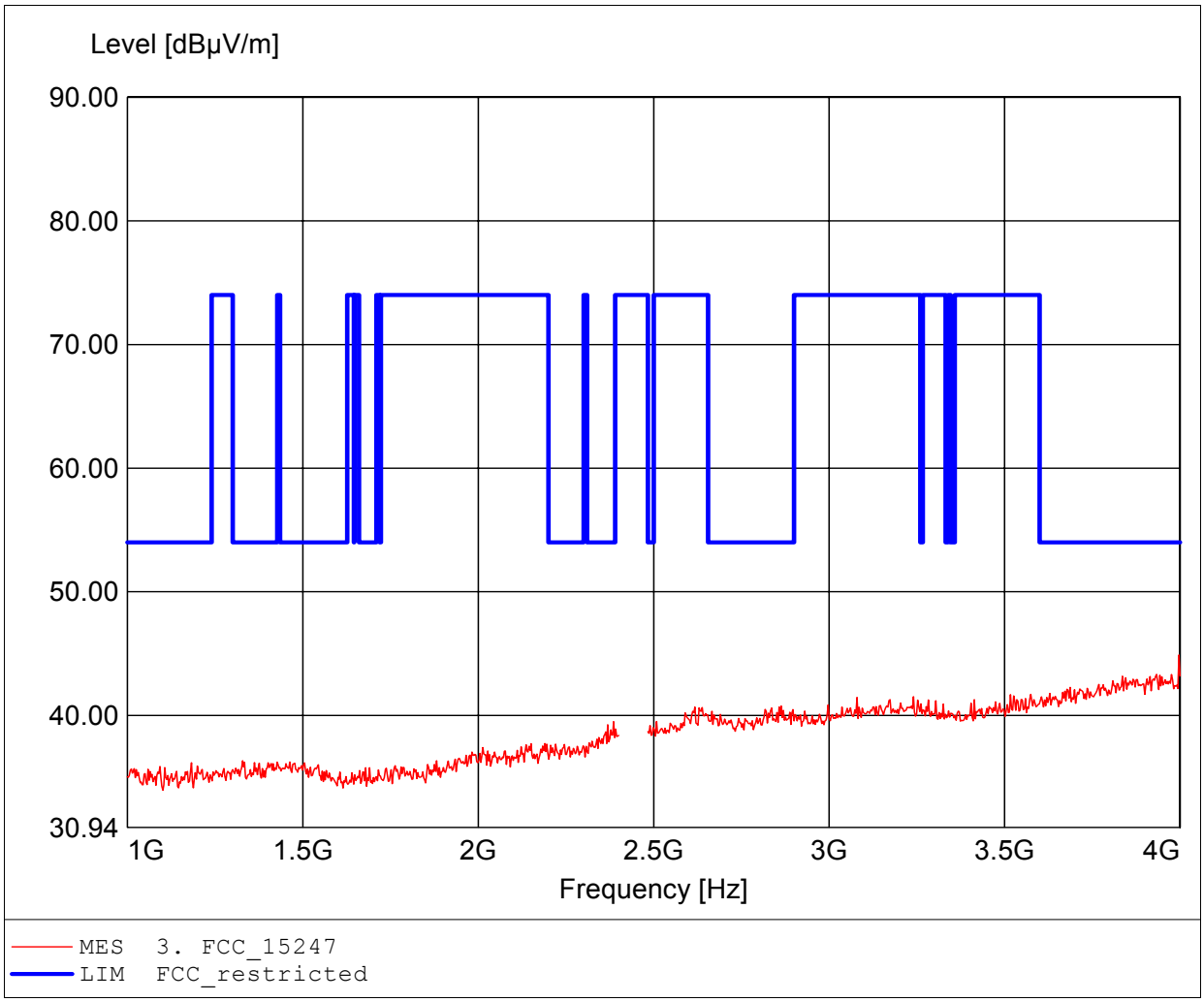
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 61.62dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

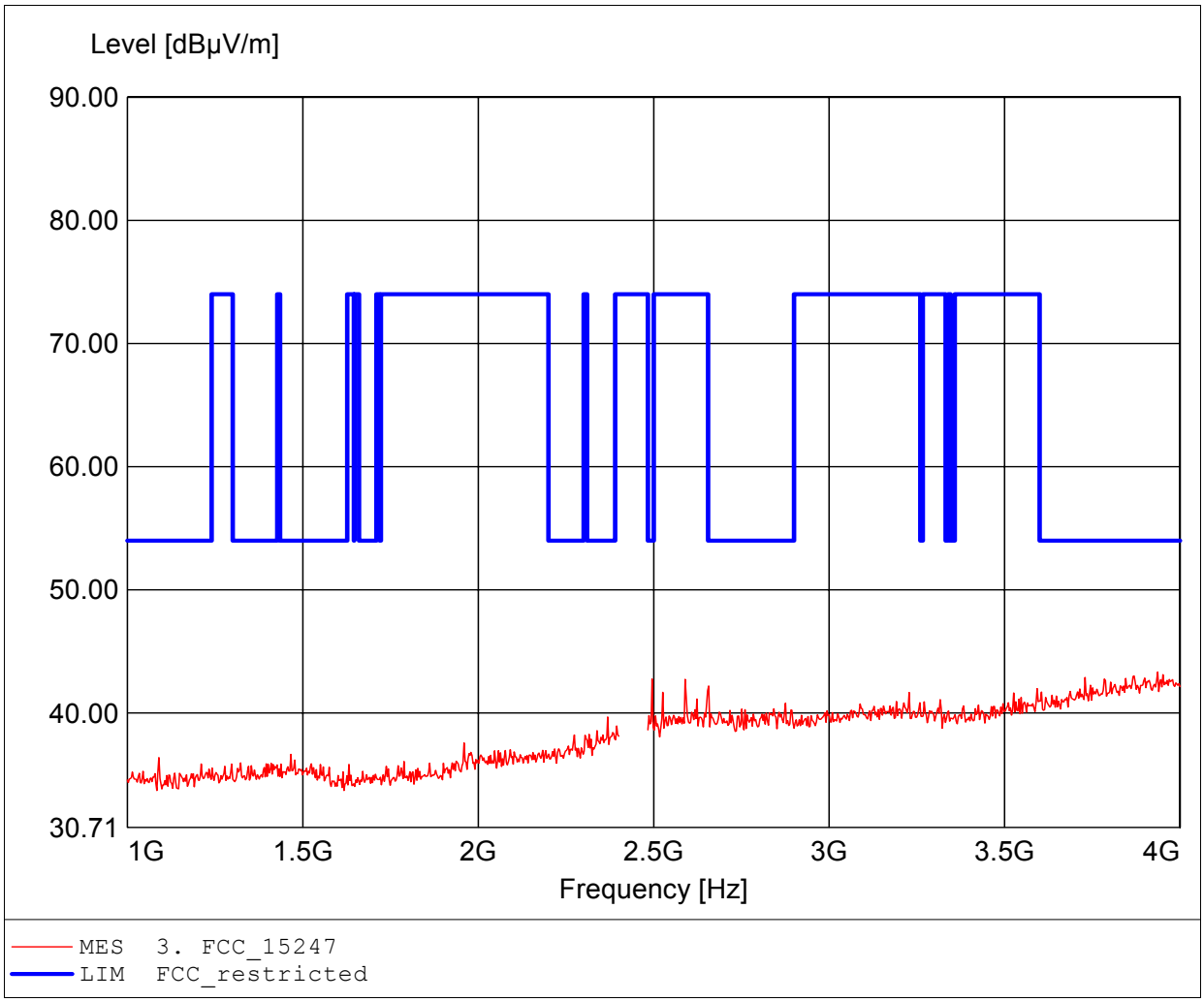
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2442 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 3.997GHz, Emax: 44.89dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

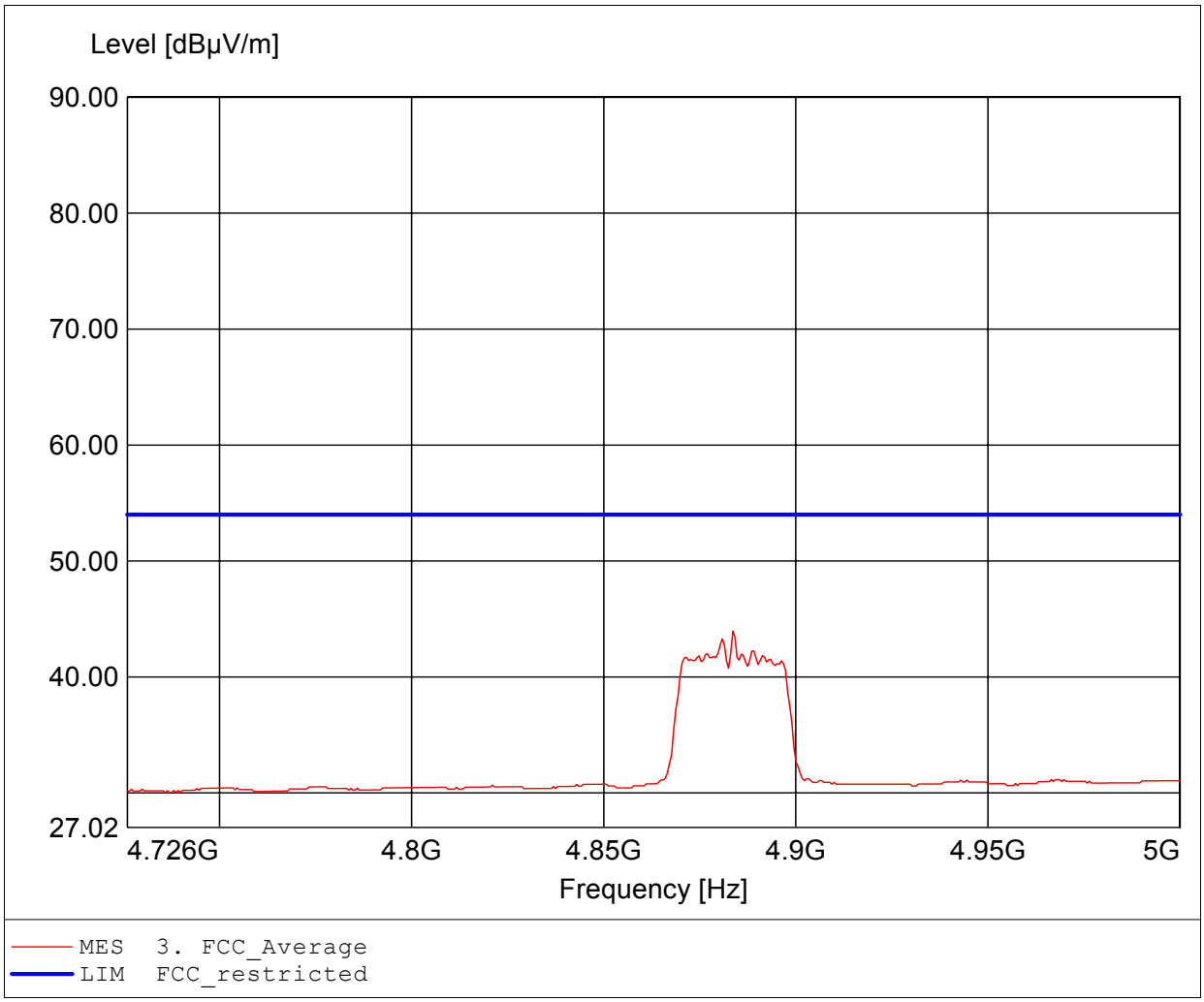
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2442 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 3.936GHz, Emax: 43.33dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

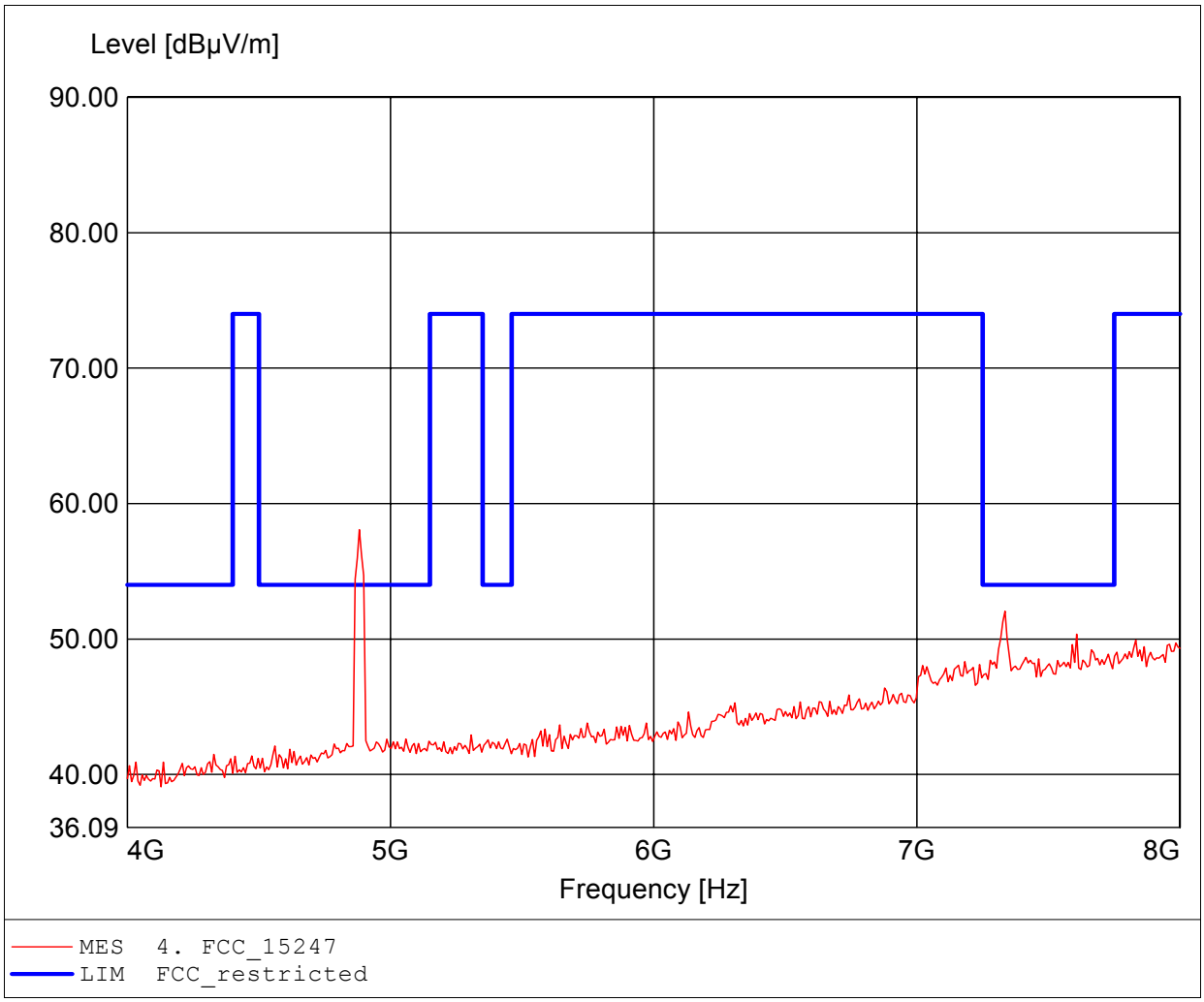
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2442 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, average detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 4.884GHz, Emax: 43.95dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

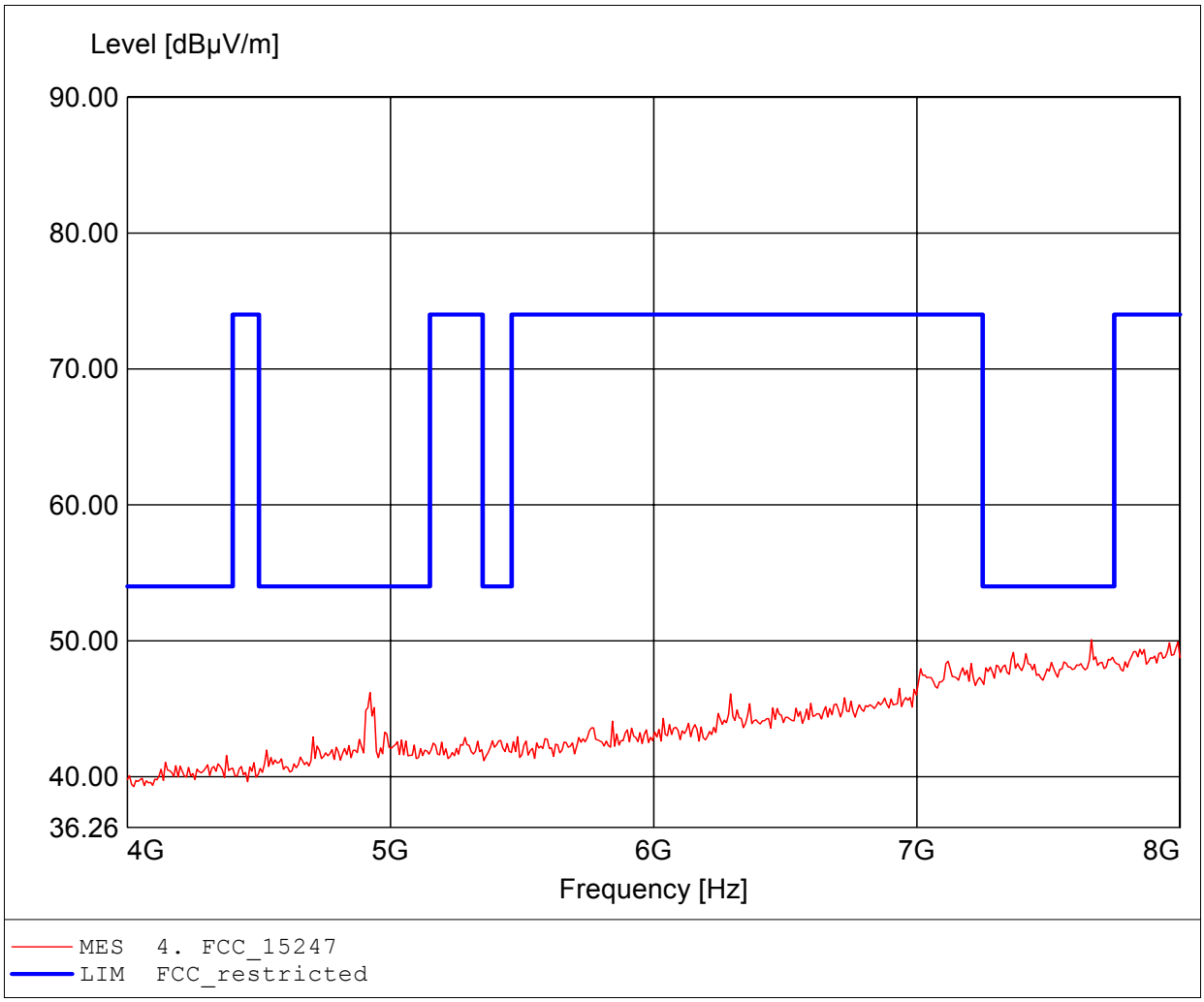
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2442 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 4.882GHz, Emax: 58.08dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

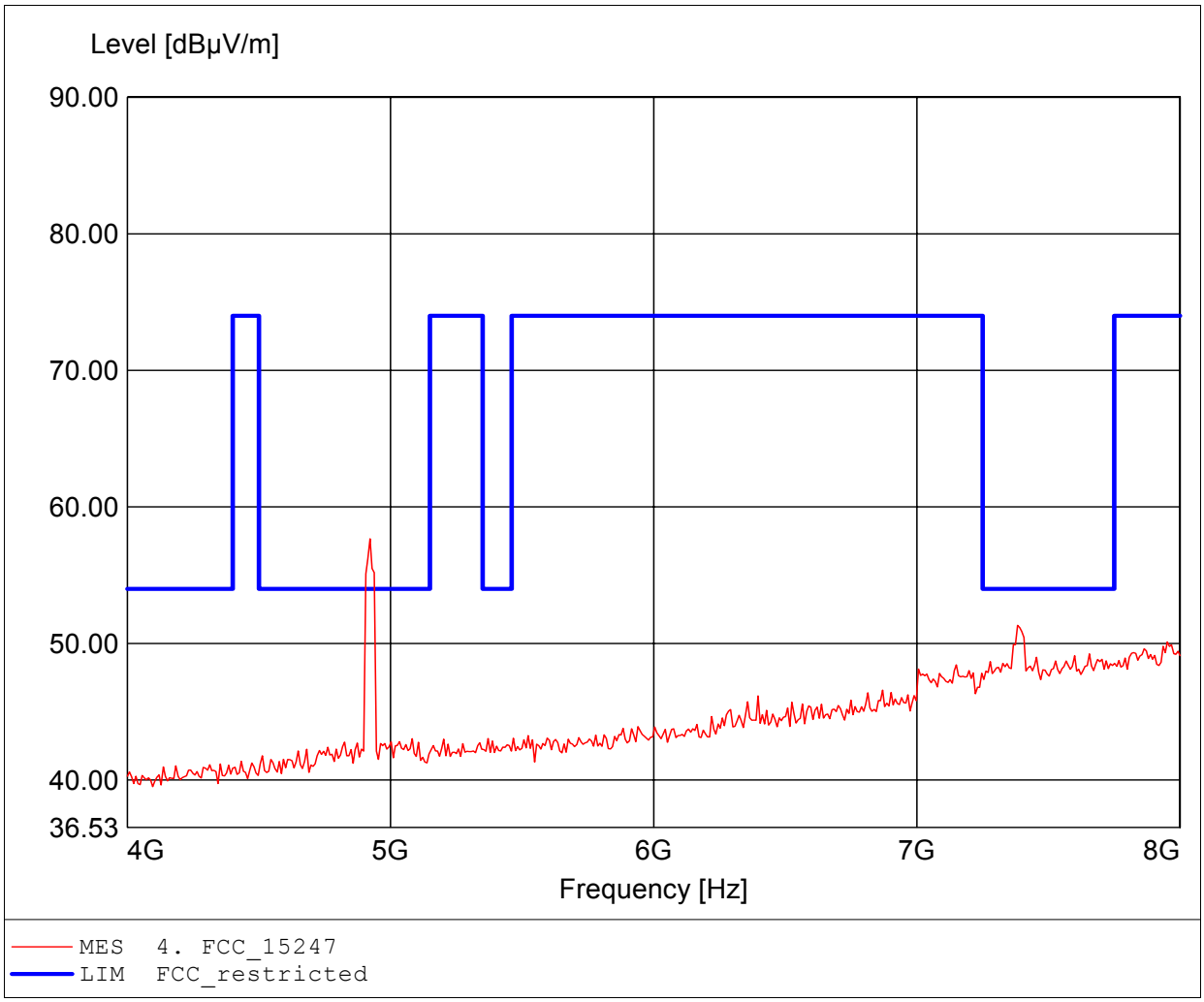
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2462 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 7.663GHz, Emax: 50.08dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

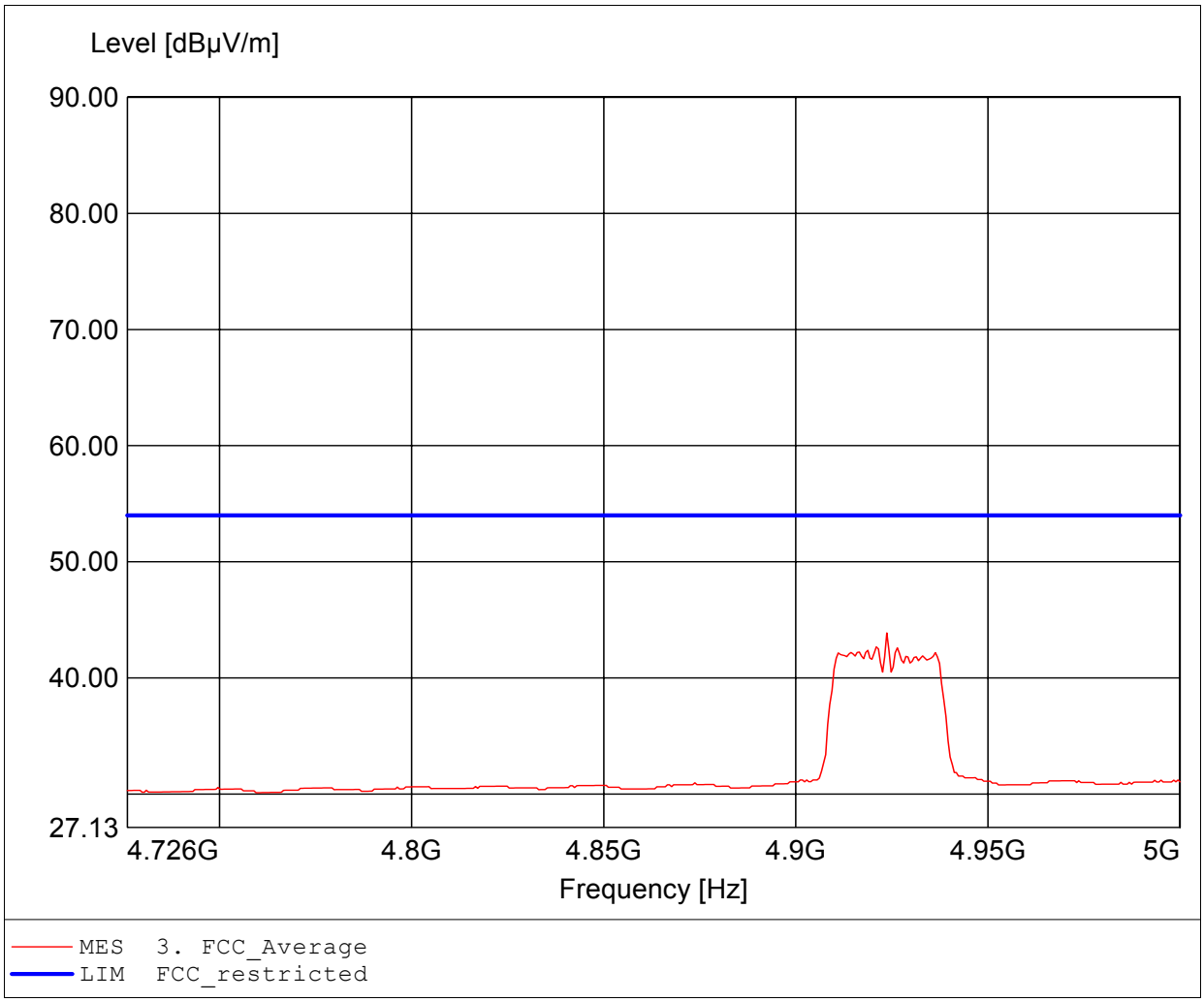
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2462 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 4.922GHz, Emax: 57.67dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

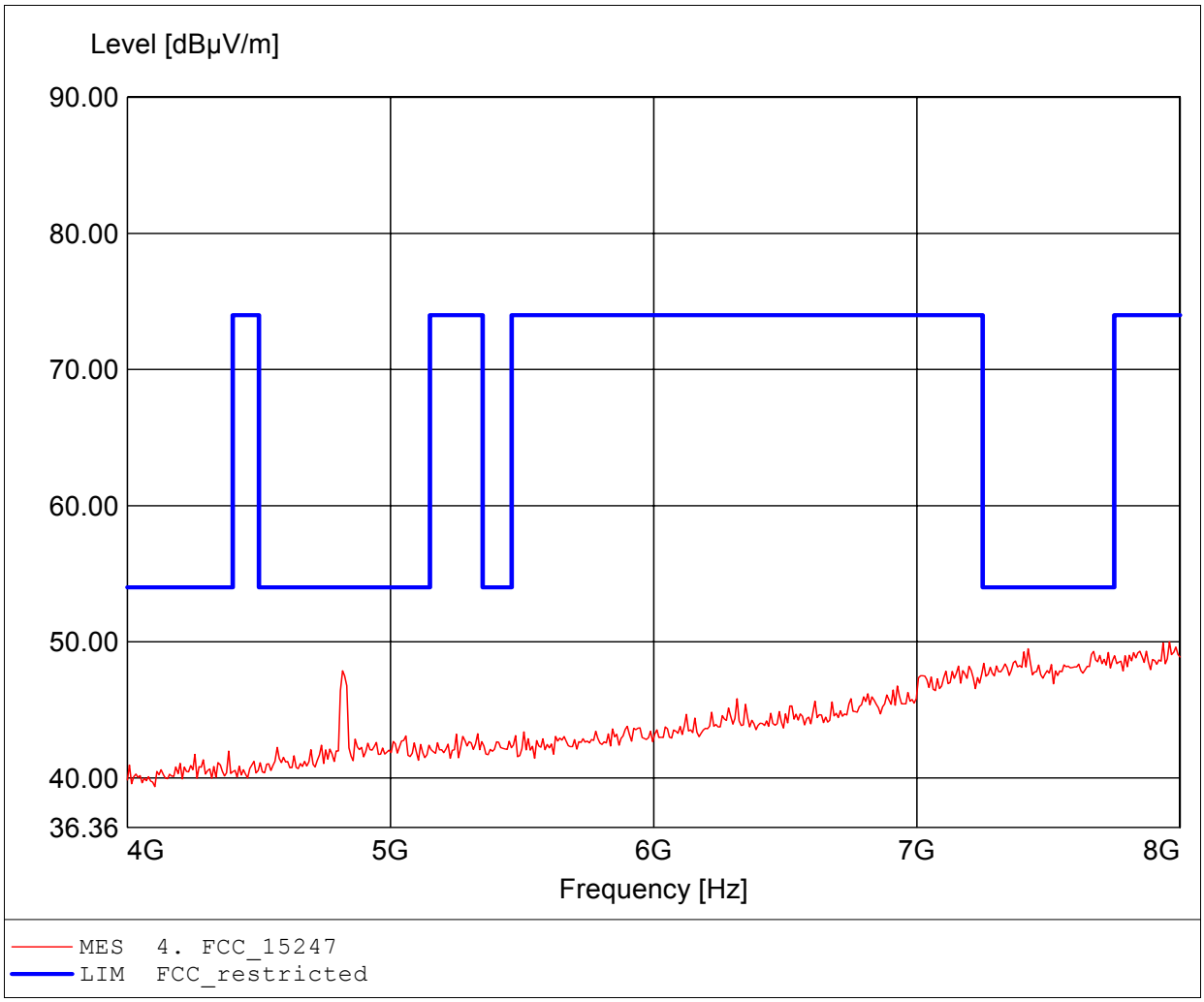
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2462 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, average detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 4.924GHz, Emax: 43.88dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

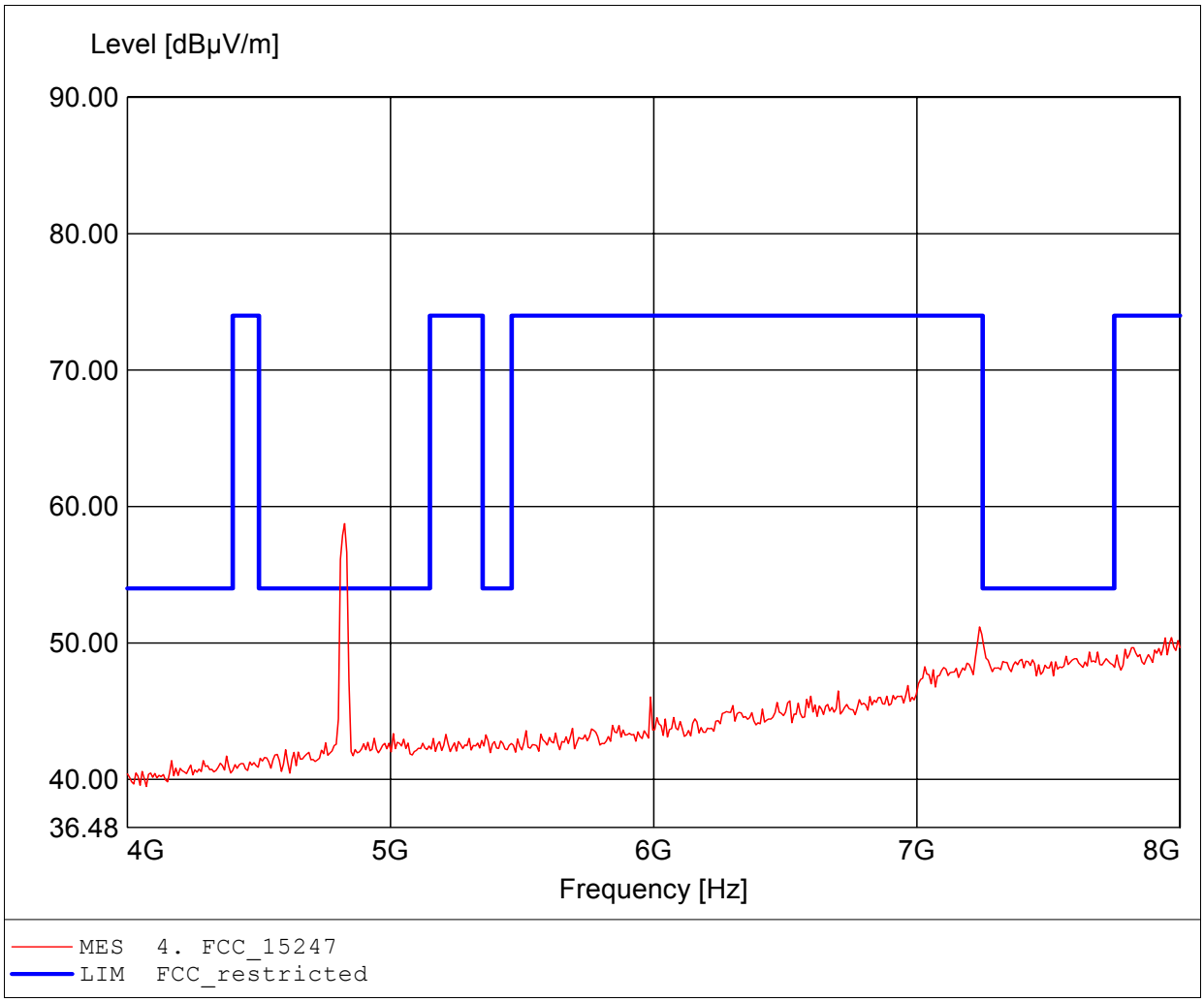
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 7.960GHz, Emax: 50.00dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

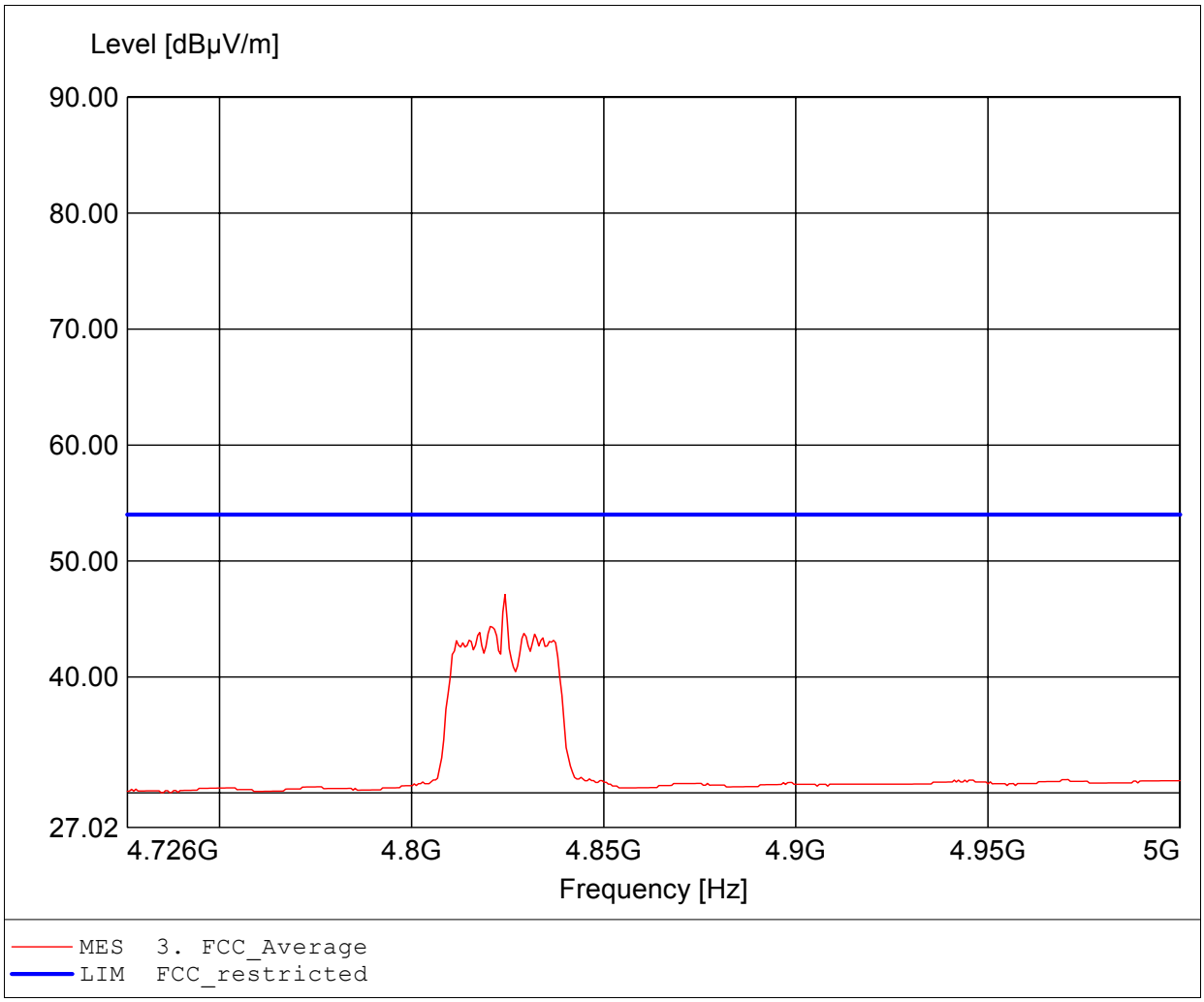
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 4.826GHz, Emax: 58.74dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

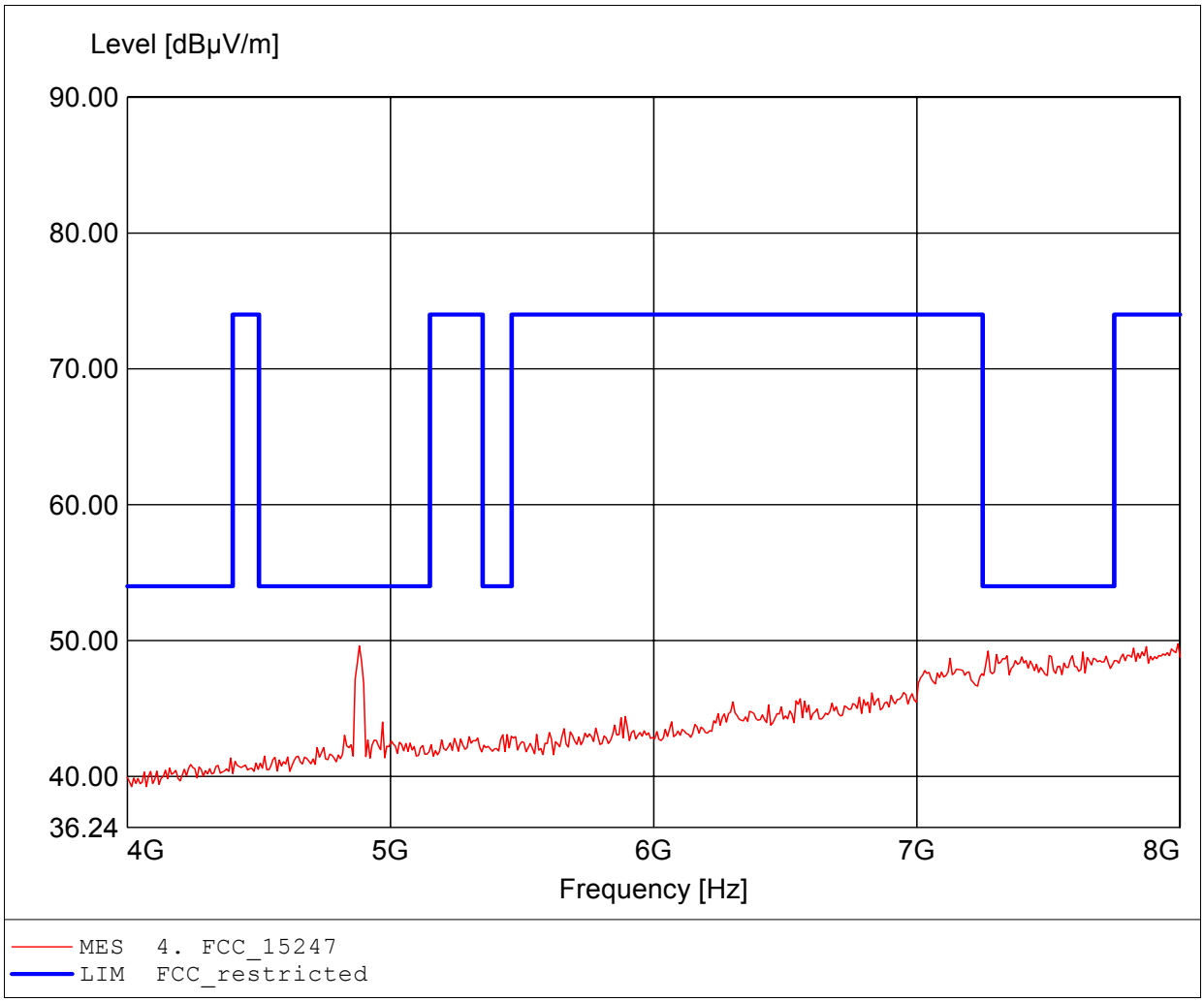
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, average detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2:	Freq: 4.824GHz, Emax: 47.11dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

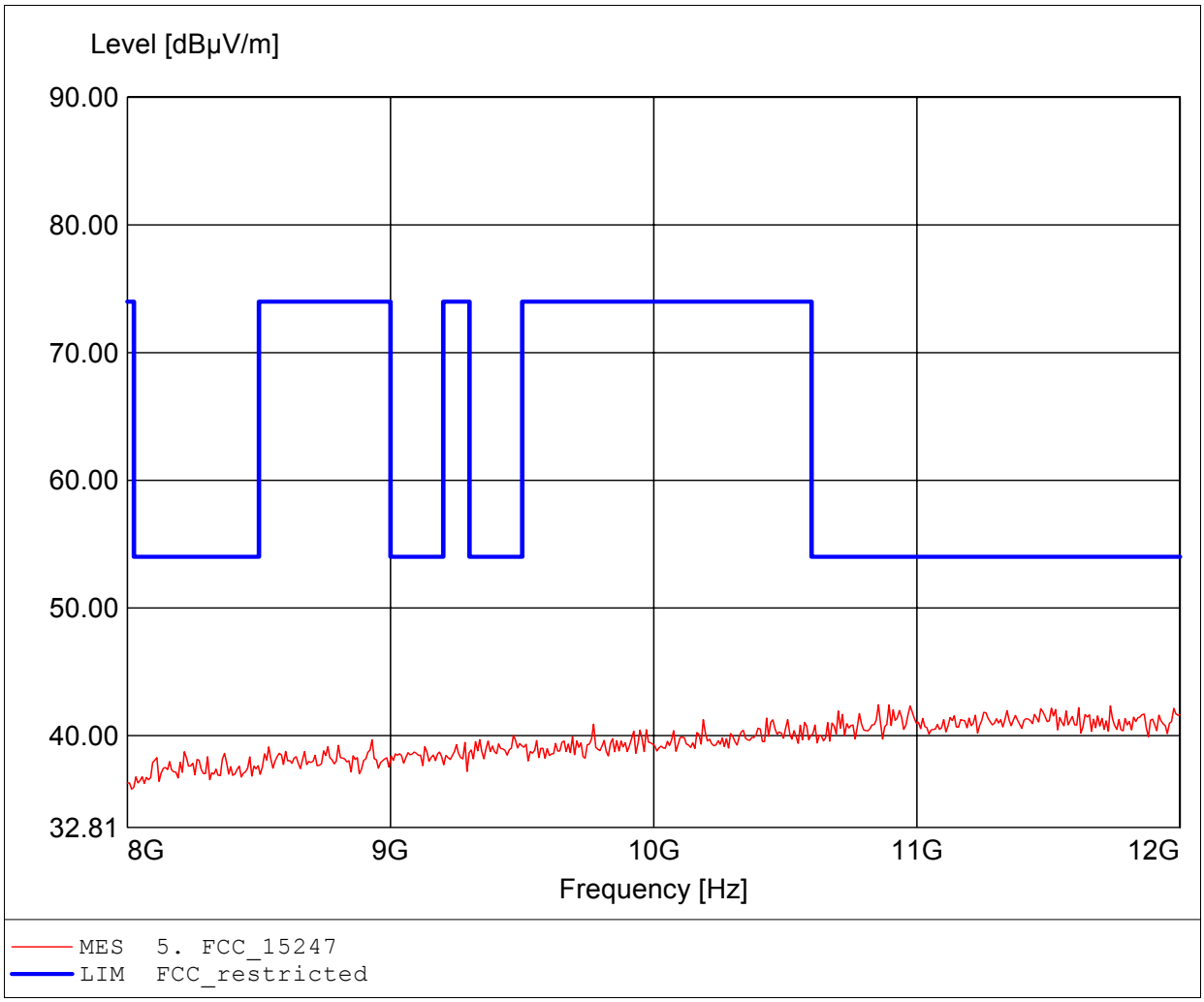
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2442 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 7.992GHz, Emax: 49.77dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

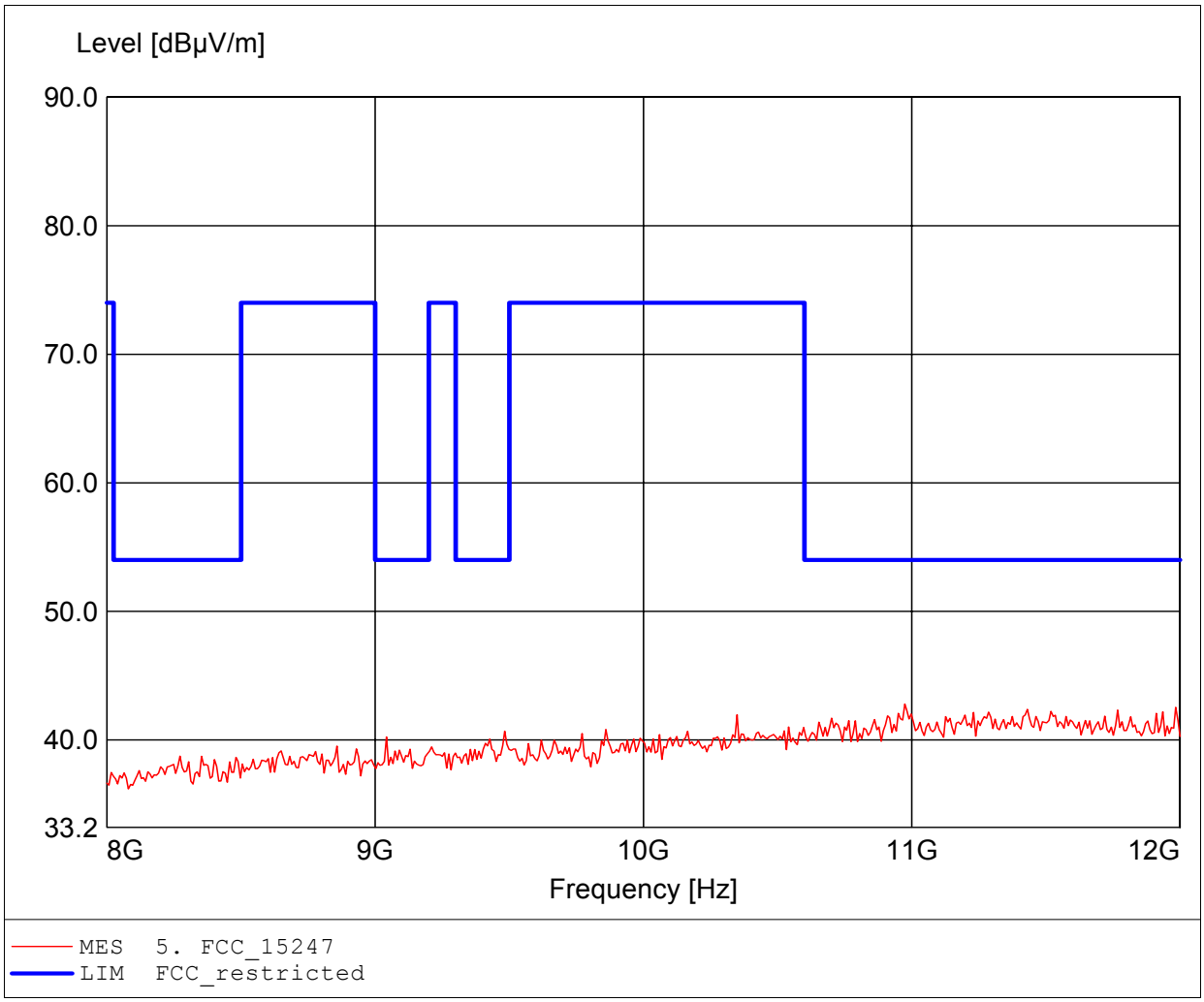
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 10.854GHz, Emax: 42.43dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

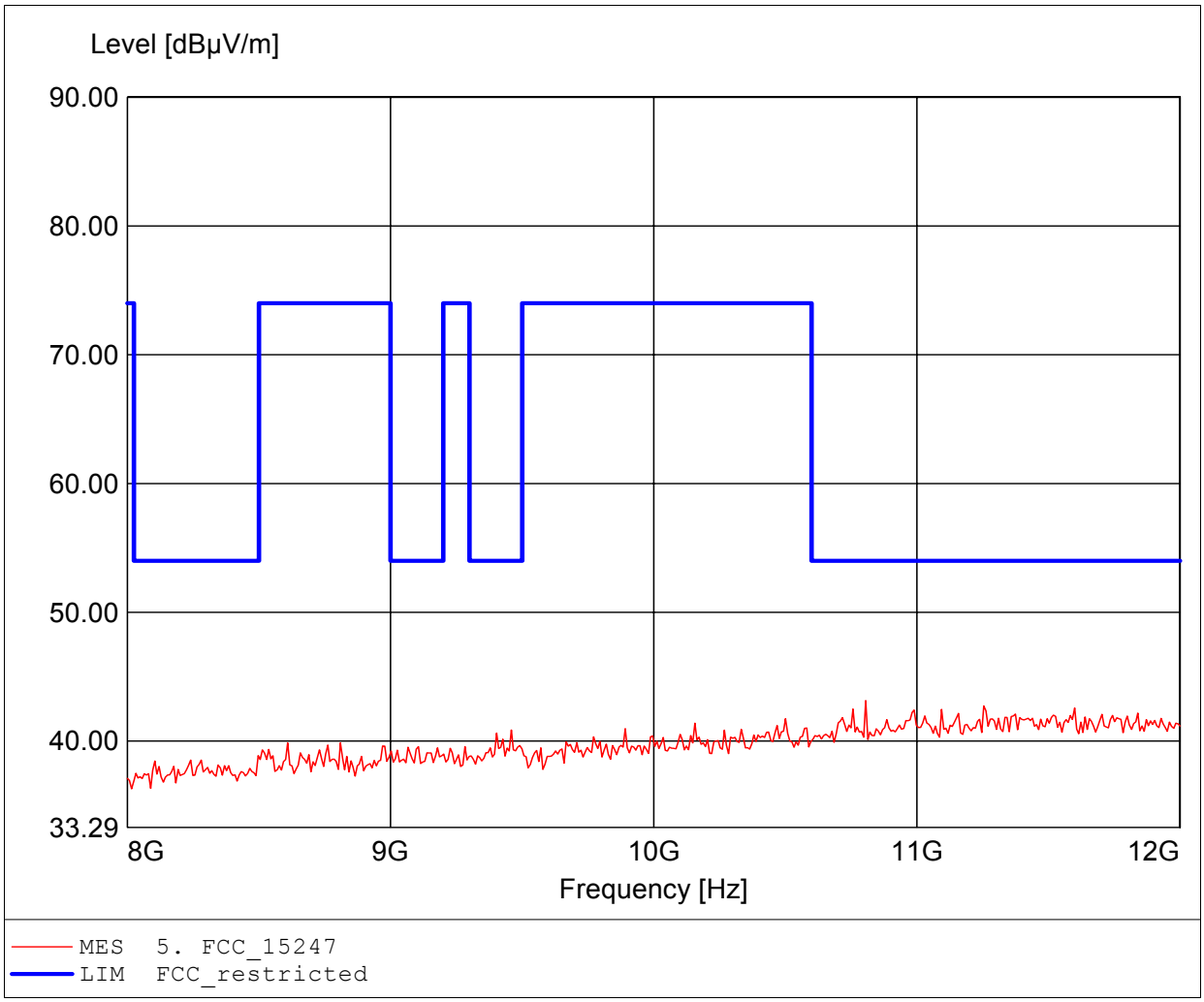
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2442 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 10.974GHz, Emax: 42.79dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

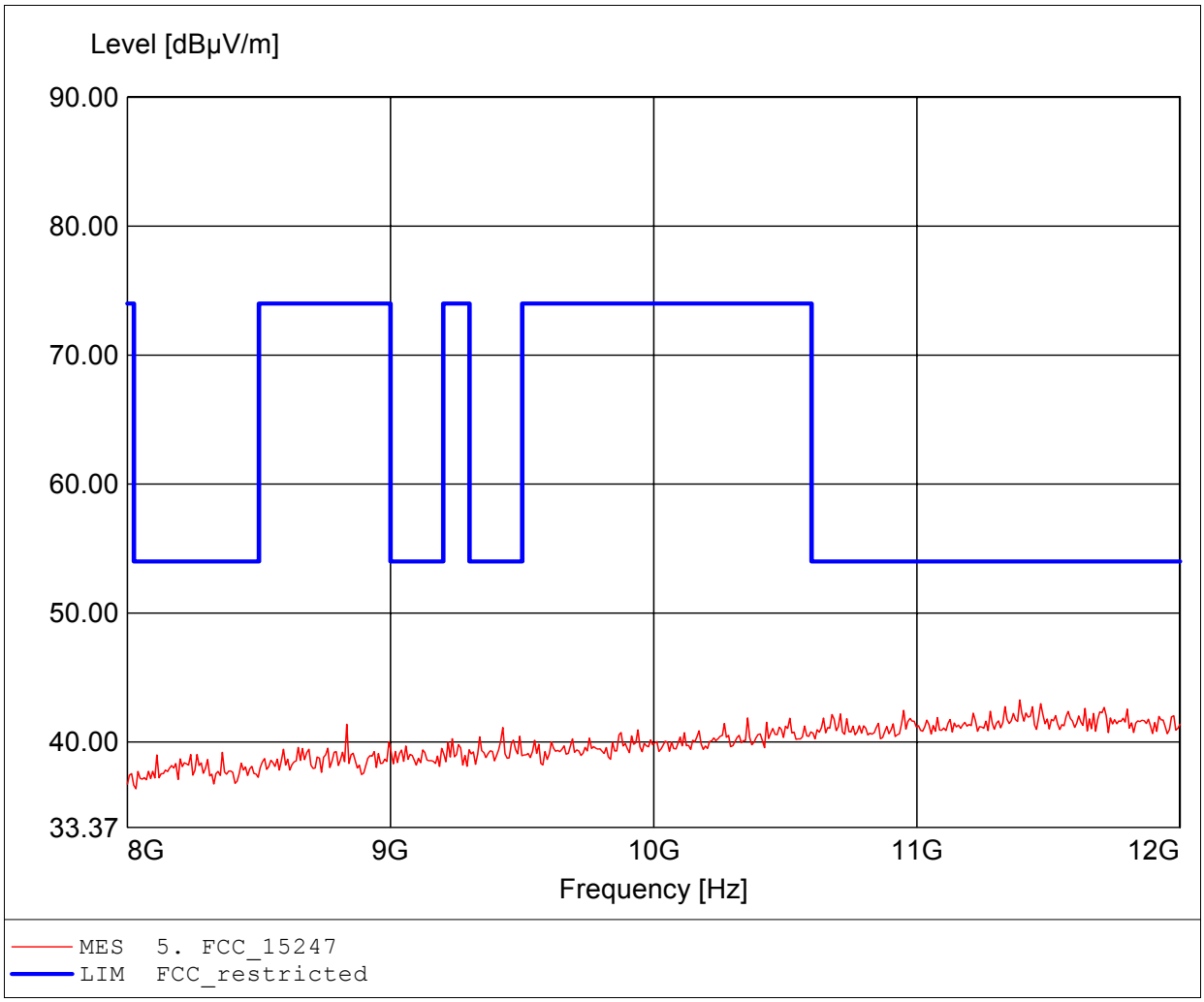
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2442 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 10.806GHz, Emax: 43.15dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / 2412 MHz
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC
Test Specification:	according to §15.247, peak detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 11.391GHz, Emax: 43.25dBµV/m, RBW: 1MHz

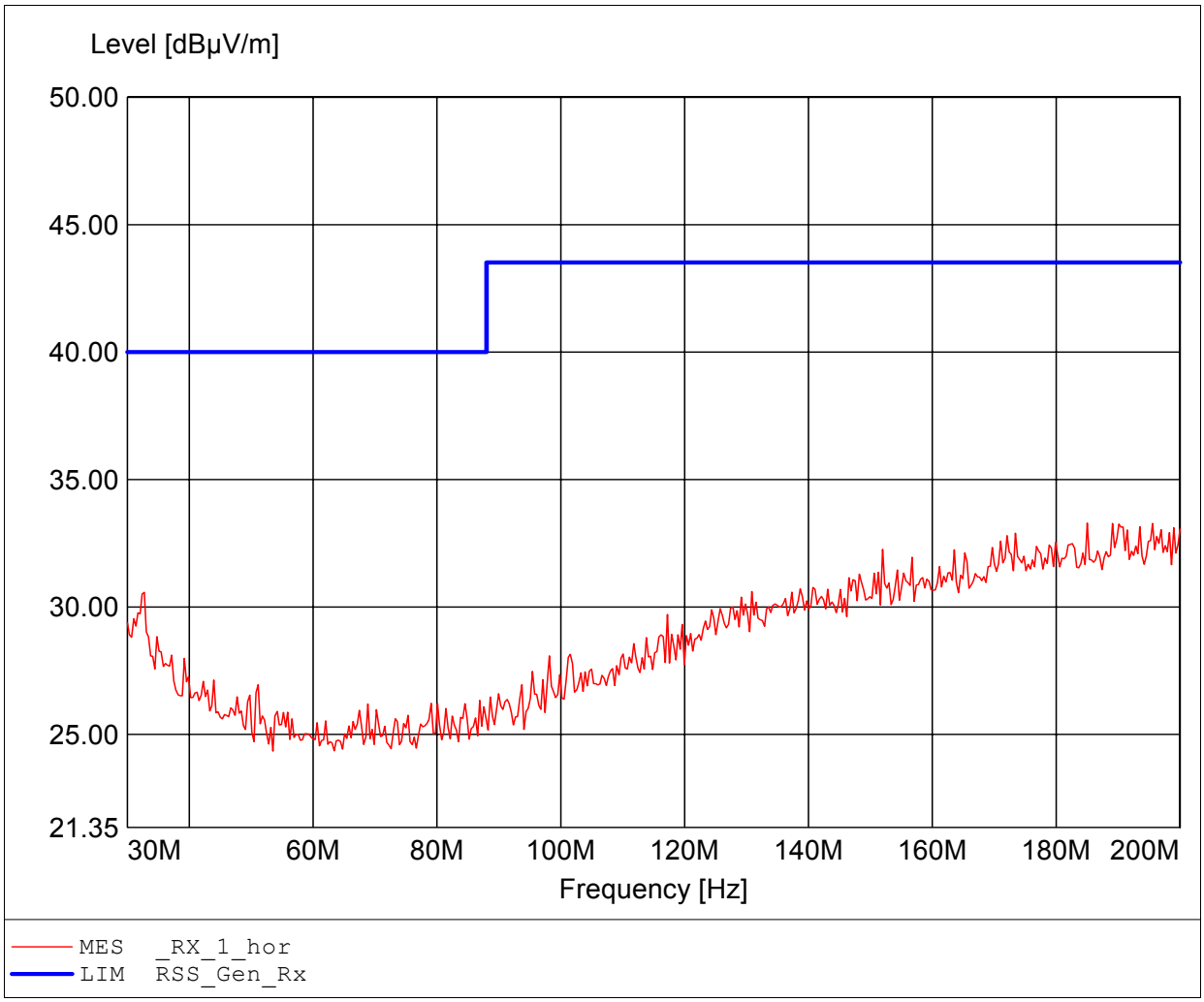


Annex G Receiver radiated spurious emissions

Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

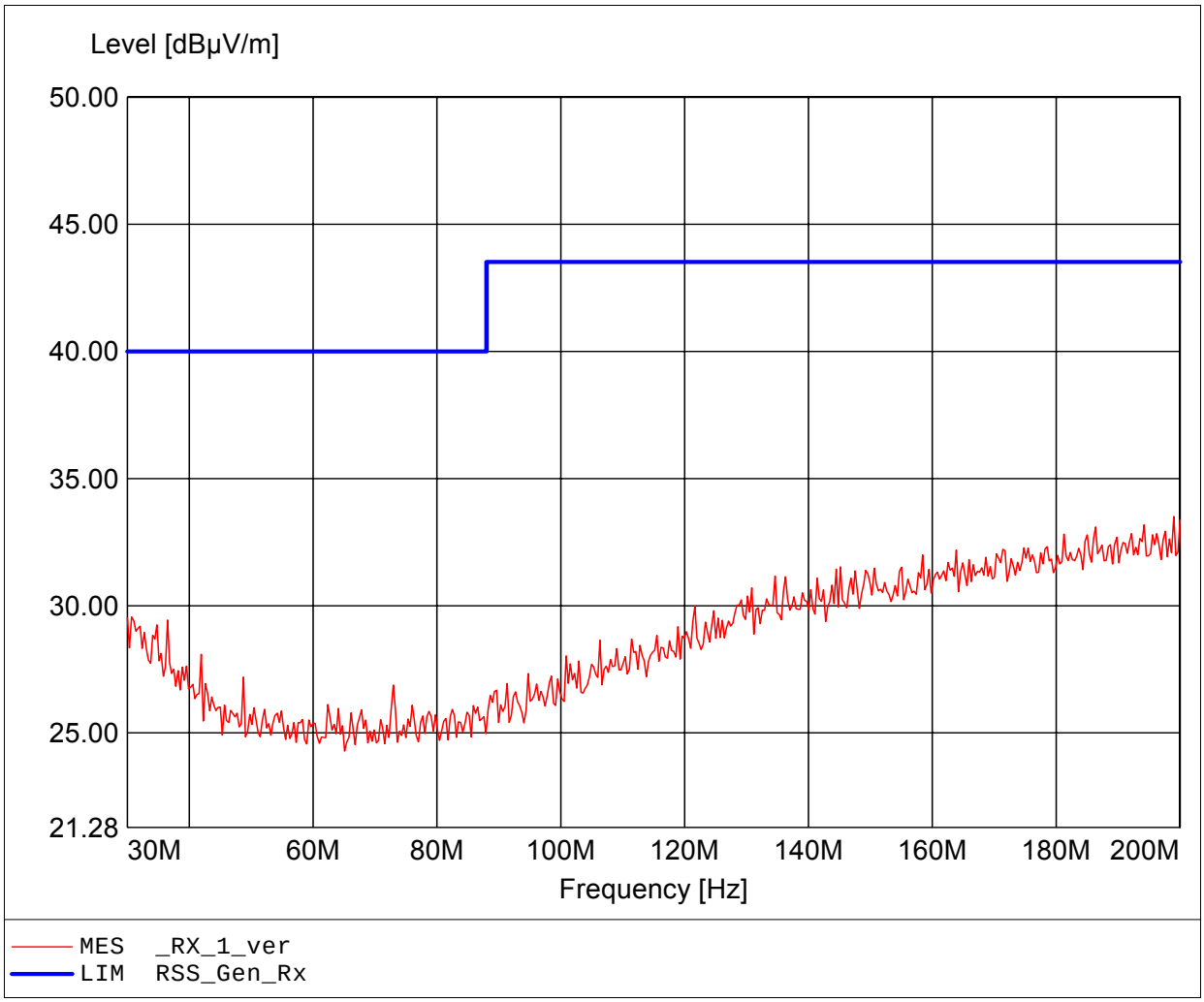
```
Approval Holder:       BLUM Novotest GmbH      /   Ord.: G0M21007-3432
EUT:                   Measuring Probe
Model:                 P03.6000 TC60   /   CSS   / Rx mode
Test Site / Operator:  Eurofins Product Service GmbH    /   Mr. Treffke
Test Condition:        Tnom: 24°C / Unom.: 9.0V DC battery
Test Specification:    Freq. / CH:
Comment 1:             Dist.: 3m, Ant.: HK 116
Comment 2:             Freq:185.010MHz Emax:33.29dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

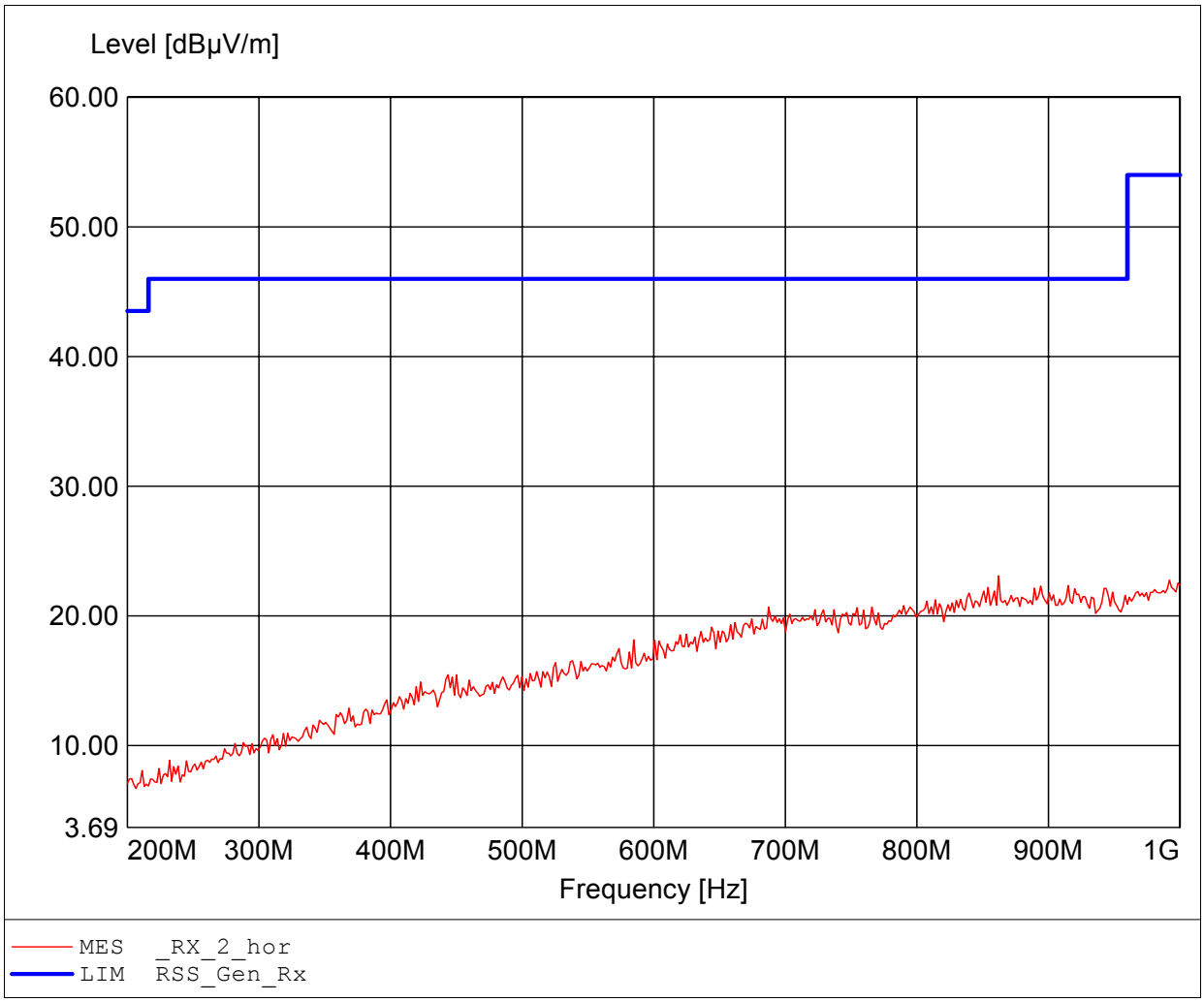
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / Rx mode
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC battery
Test Specification:	Freq. / CH:
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq:198.978MHz Emax:33.51dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

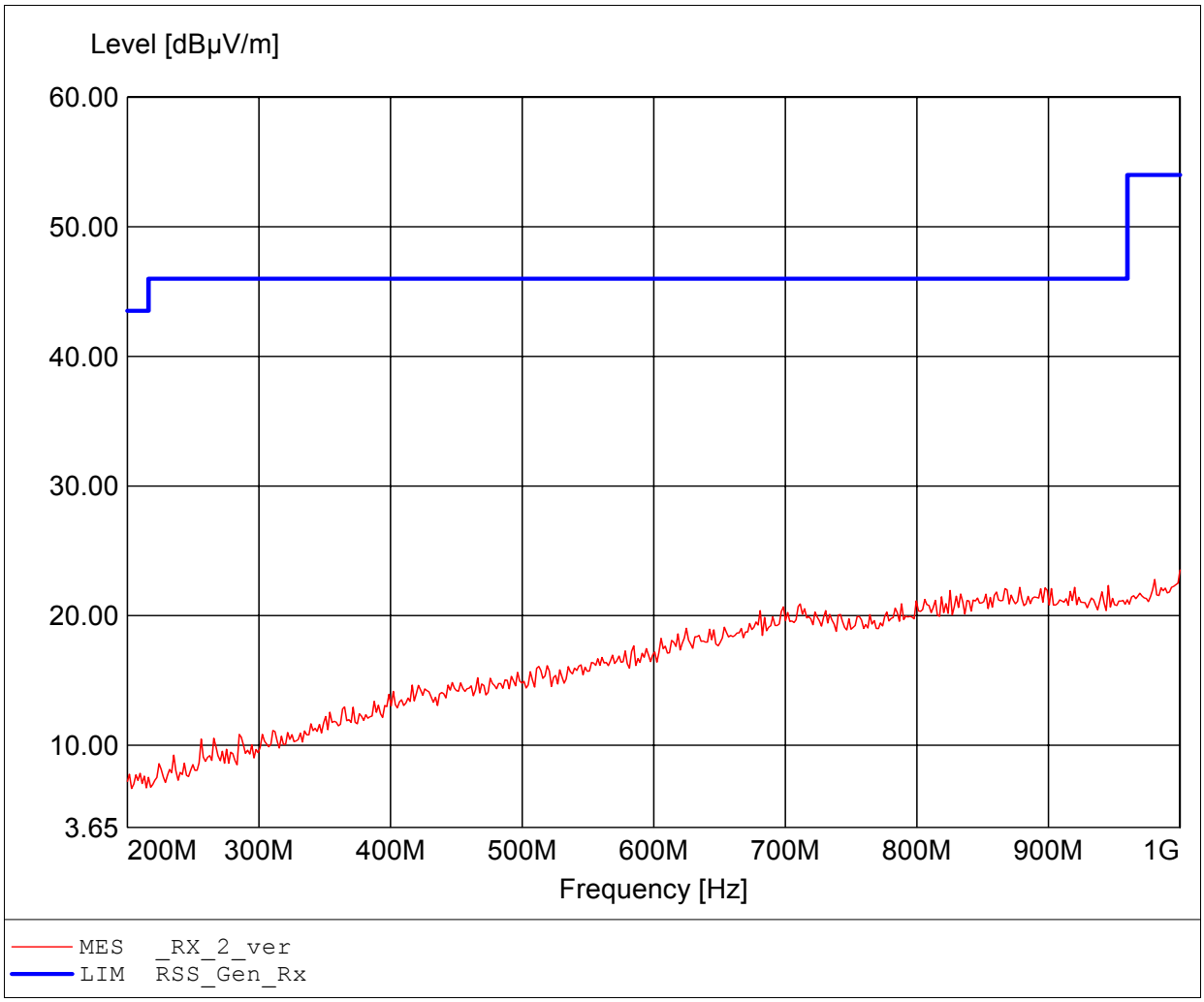
```
Approval Holder:       BLUM Novotest GmbH      /   Ord.: G0M21007-3432
EUT:                   Measuring Probe
Model:                 P03.6000 TC60   /   CSS   / Rx mode
Test Site / Operator:  Eurofins Product Service GmbH    /   Mr. Treffke
Test Condition:        Tnom: 24°C / Unom.: 9.0V DC battery
Test Specification:    Freq. / CH:
Comment 1:             Dist.: 3m, Ant.: HL 223, ampl.
Comment 2:             Freq:862.124MHz Emax:23.09dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

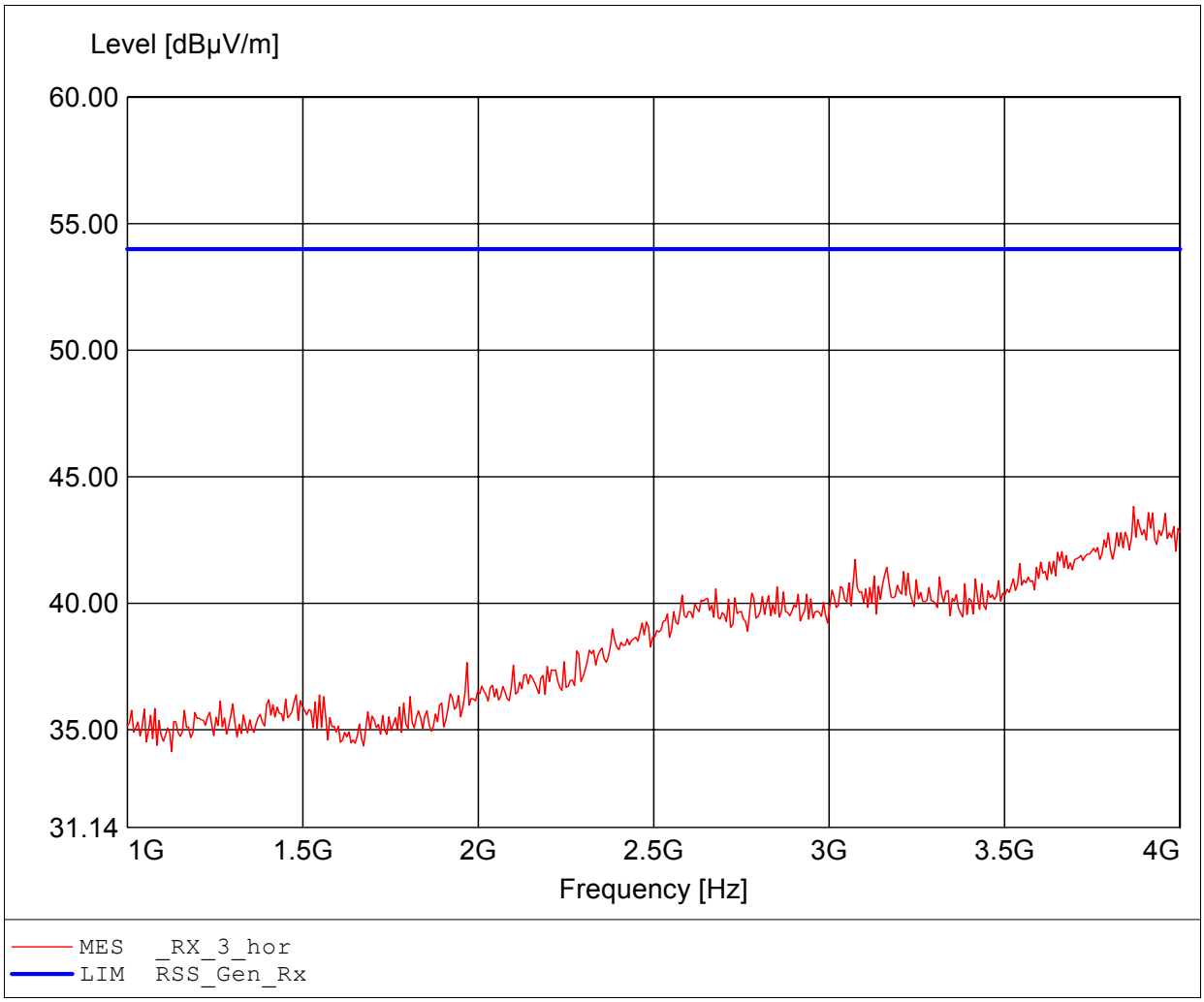
```
Approval Holder:       BLUM Novotest GmbH      /   Ord.: G0M21007-3432
EUT:                   Measuring Probe
Model:                 P03.6000 TC60   /   CSS   / Rx mode
Test Site / Operator:  Eurofins Product Service GmbH    /   Mr. Treffke
Test Condition:        Tnom: 24°C / Unom.: 9.0V DC battery
Test Specification:    Freq. / CH:
Comment 1:             Dist.: 3m, Ant.: HL 223, ampl.
Comment 2:             Freq:1.000GHz Emax:23.52dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

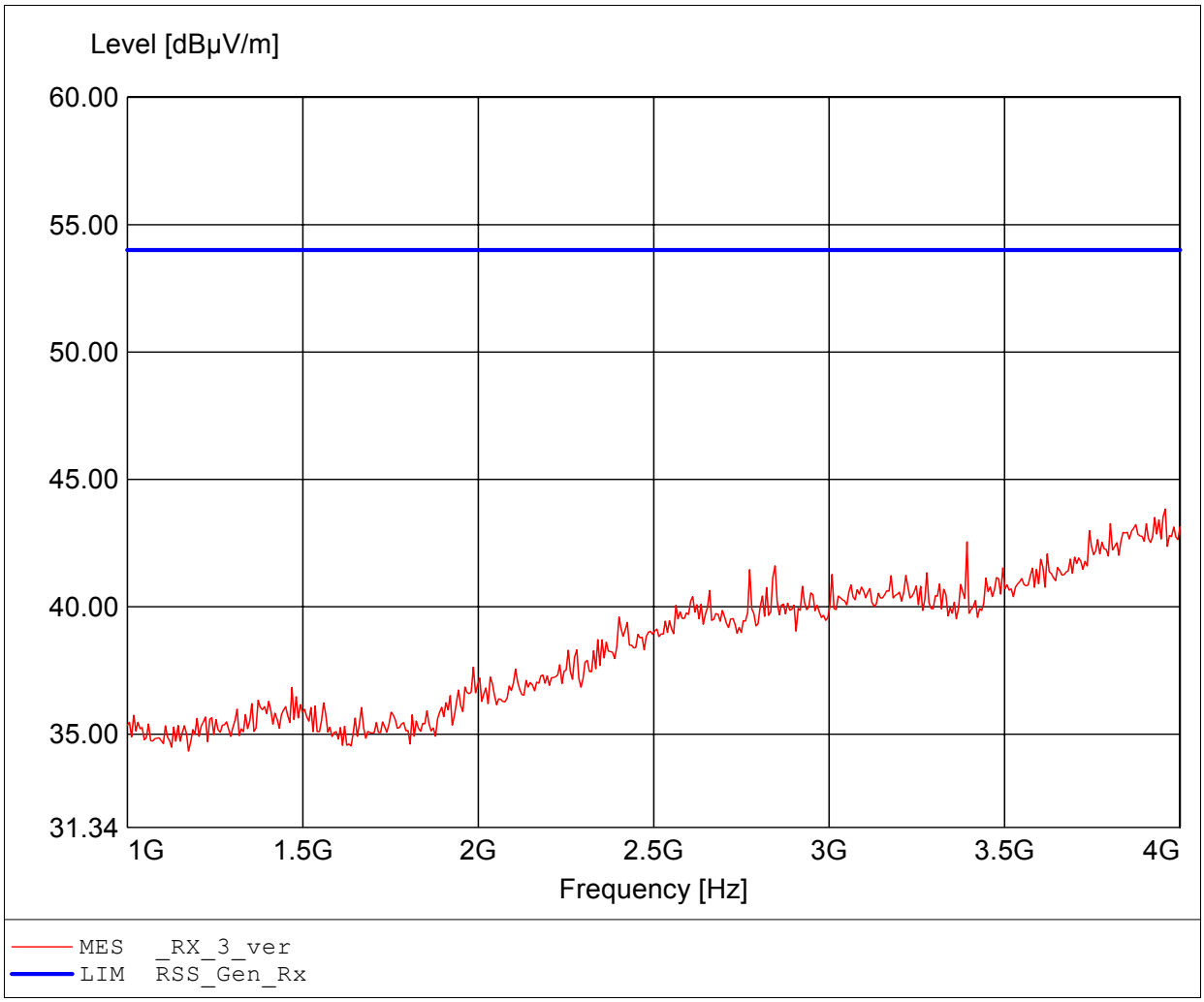
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / Rx mode
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC battery
Test Specification:	Freq. / CH:
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
Comment 2:	Freq:3.868GHz Emax:43.83dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

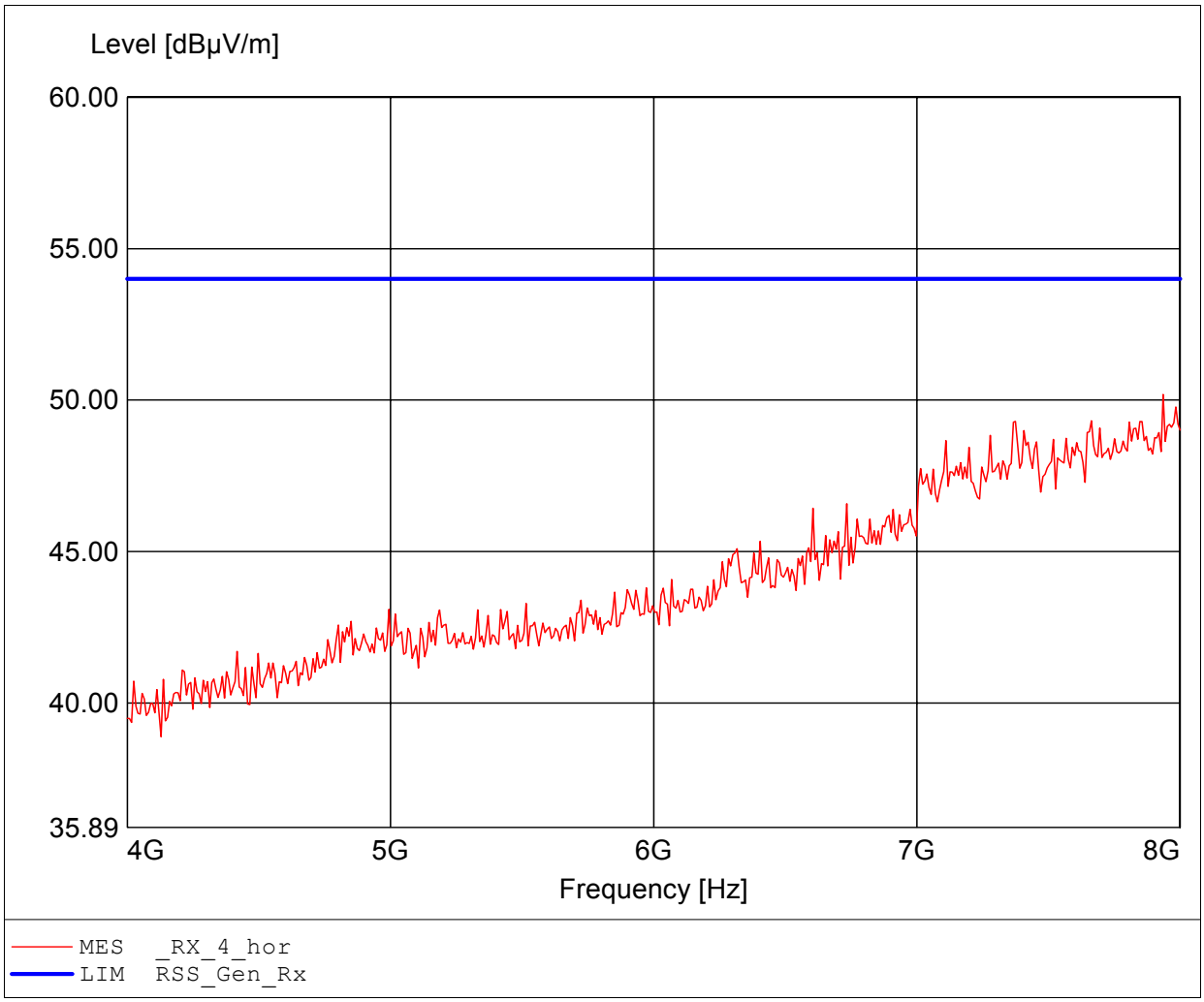
Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / Rx mode
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC battery
Test Specification:	Freq. / CH:
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
Comment 2:	Freq:3.958GHz Emax:43.84dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / Rx mode
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC battery
Test Specification:	Freq. / CH:
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
Comment 2:	Freq:7.936GHz Emax:50.19dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder:	BLUM Novotest GmbH / Ord.: G0M21007-3432
EUT:	Measuring Probe
Model:	P03.6000 TC60 / CSS / Rx mode
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Treffke
Test Condition:	Tnom: 24°C / Unom.: 9.0V DC battery
Test Specification:	Freq. / CH:
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
Comment 2:	Freq:7.992GHz Emax:50.23dBµV/m RBW: 1 MHz