



EUROFINS PRODUCT SERVICE GMBH



TEST-REPORT

**FCC PART 15 SUBPART C
IC RSS 210 ISSUE 8**

**WLAN Access Point (2.4 GHz only)
W1002n**

FCC ID: SPT-W1002N-080211

TEST REPORT NUMBER: G0M-1106-1223-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.

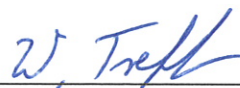
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Operator:

24.08.2011

W. Treffke



Date

Eurofins-Lab.

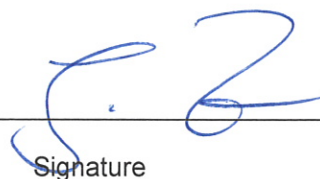
Name

Signature

Technical responsibility for area of testing:

24.08.2011

J. Zimmermann



Date

Eurofins

Name

Signature

1.2 Testing laboratory

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Germany
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DAKKS ACCREDITED TESTING LABORATORY
DAKKS-REGISTRATION NUMBER: D-PL-12092-01-01

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 : Funkwerk Enterprise Communications GmbH
Street : Alt-Moabit 96c
Town : 10559 Berlin
Country : Germany
Telephone : +49 30 399 88 443
Fax : +49 30 392 28 36

Contact : Herr Uwe Unterberger
Telephone : +49 30 399 88 443

Manufacturer:
(if applicable)

Name : Funkwerk Enterprise Communications GmbH
Street : Suedwestpark 94
Town : 90449 Nurembeg
Country : Germany

1.4 Application details

Date of receipt of application : 04.07.2011
Date of receipt of test item : 04.07.2011
Date of test : 19.07 – 24.08.2011

1.5 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
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

1.6 Test standards

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

1.7 Test item

Description of test item	: WLAN Access Point (2.4 GHz only)
Type identification	: W1002n
Serial number	: W1NABH011230111
Hardware version	: -i
Software version	: 7.9. Rev. 6 Patch 7
Equipment type	: End product

Technical data

Radio type	: Transceiver
Radio technology	: IEEE 802.11b/g/n
Frequency range	: 2400 - 2483.5MHz
Assigned frequency band	: 2400 - 2483.5MHz
Tested frequencies	: F ₁ 2412MHz (20MHz) F ₄ 2422MHz (40MHz) F ₂ 2437MHz (20MHz) F ₅ 2437MHz (40MHz) F ₃ 2462MHz (20MHz) F ₆ 2452MHz (40MHz)
Spreading	: CCK, DSSS, OFDM
Modulation(s)	: BPSK, QPSK, 16-QAM, 64-QAM
Operating mode(s)	: semi duplex
Number of channels	: 13 (HT20), 9 (HT40)
Duty cycle(s)	: CCK, DSSS : 90%, OFDM : 54%
Number of antennas	: 2xTx, 3xRx
Antenna type(s)	: external, dedicated
Antenna model(s)	: Dual band rubber cap antenna with RTNC connector Model 1 : ANT-RTNC.S-O-STD-2+5G Model 2 : IAO-2523-05
Antenna manufacturer(s)	: Model 1 : UNI LINK Technology Co., Ltd. Model 2 : Antenna Technology Co., Ltd.
Antenna gain(s)	: 1.7dBi
Power supply	: 120VAC
Device classification	: Mobile Device (Human Body distance > 20 cm)

1.8 Additional information

None

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 condition parameters:

V_{nom} : 120VAC

$V_{min} (V_{nom}-15\%)$: 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	09.12.2010	09.12.2012
ETS 0253	Spectrum Analyzer	FSIQ26	Rohde & Schwarz	04.11.2010	04.11.2012
ETS 0030	Biconical Antenna	HK 116	Rohde & Schwarz	10.02.2011	20.02.2012
ETS 0295	LPD Antenna	HL 223	Rohde & Schwarz	09.02.2011	09.02.2012
ETS 0018	Horn Antenna	BBHA 9120D	Schwarzbeck	26.08.2010	26.08.2011
ETS 0432	Amplifier-Matrix			02.06.2010	02.06.2012
ETS 0496	Spectrum Analyzer	FSP30	Rohde & Schwarz	26.08.2010	26.08.2011
ETS 0497	Power Meter	NRVD	Rohde & Schwarz	28.02.2011	28.02.2013
ETS 0278	Power Sensor	NRV-Z31	Rohde & Schwarz	25.11.2010	25.11.2012
ETS 0288	LISN	ESH2-Z5	Rohde & Schwarz	07.09.2010	07.09.2012

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:

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

Margin:

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

Example only:

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

2.5 Test results

Test case	Clause	Required	Result	Remarks
INFORMATIONAL TRANSMITTER PARAMETERS				
Occupied Bandwidth	IC RSS-Gen. 4.6.1	☐		IC only
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	
Maximum peak e.i.r.p. 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 § 15.247(d) FCC § 15.209 IC RSS-210 A8.5 IC RSS-Gen 4.9 IC RSS-Gen 7.2.5	☒	PASS	
RECEIVER PARAMETERS				
Radiated spurious emissions	FCC § 15.109 IC RSS-Gen 4.10 IC RSS-Gen 6.1	☐	N/A	IC only
POWER LINE PARAMETERS				
AC power line conducted emissions	FCC § 15.207 IC RSS-Gen. 7.2.4	☒	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	☒ Yes ☐ No
Spreading Technique	DSSS
Modulation	DBPSK
Data rate	1MB/s
Duty Cycle	100%
Antenna Gain	2.0dBi
Power setting	17

TEST MODE OFDM	
Conditions	
Spread Spectrum	☒ Yes ☐ No
Spreading Technique	OFDM
Modulation	DBPSK
Data rate	6MB/s
Duty Cycle	100%
Antenna Gain	2.0dBi
Power setting	15

TEST MODE HT20	
Conditions	
Spread Spectrum	☒ Yes ☐ No
Spreading Technique	HT20
Modulation	BPSK
Data rate	14.4MB/s
MCS Index	8
Guard Interval	short
Duty Cycle	100%
Antenna Gain	2.0dBi
Power setting	15

TEST MODE HT40	
Conditions	
Spread Spectrum	☒ Yes ☐ No
Spreading Technique	HT40
Modulation	BPSK
Data rate	30MB/s
MCS Index	8
Guard Interval	short
Duty Cycle	100%
Antenna Gain	2.0dBi
Power setting	15

4 Transmitter parameters

4.1 6dB Bandwidth

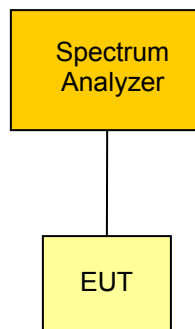
According FCC rules 47 CFR 15.247(a)(2) and RSS-210 Section A8.2 the minimum 6dB Bandwidth has to be validated.

4.1.1 Limits

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

6dB bandwidth limit
$\geq 500\text{kHz}$

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 ($\text{VBW} \geq \text{RBW}$). 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]	Lower edge frequency [MHz]	Upper edge frequency [MHz]	6dB Bandwidth [MHz]
Test mode DSSS			
2412	2406.02	2418.17	12.15
2437	2431.02	2443.17	12.15
2462	2455.97	2468.37	12.40
Test mode OFDM			
2412	2403.77	2420.37	16.60
2437	2428.77	2445.37	16.60
2462	2453.77	2470.37	16.60
Test mode HT20			
2412	2403.27	2420.97	17.70
2437	2428.27	2445.97	17.70
2462	2453.27	2470.97	17.70
Test mode HT40			
2422	2403.90	2440.42	36.52
2437	2418..90	2455.31	36.41
2452	2433.90	2470.31	36.41
See attached diagram in Annex			
Verdict			PASS

4.2 Power spectral density

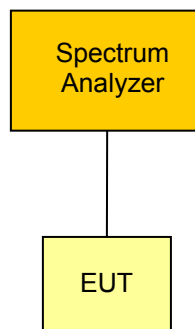
According FCC rules 47 CFR 15.247(e) and RSS-210 Section A8.2 the maximum power density in any 3kHz bandwidth is limited and has to be validated.

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 ($\text{VBW} \geq \text{RBW}$). 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	2412.798	-10.4
2437	2438.792	-11.6
2462	2461.420	-11.9
Test mode OFDM		
2412	2419.258	-9.7
2437	2432.734	-10.5
2462	2458.631	-10.8
Test mode HT20		
2412	2414.286	-8.8
2437	2443.948	-8.4
2462	2464.592	-8.4
Test mode HT40		
2422	2425.219	-11.8
2437	2439.589	-11.4
2452	2455.555	-10.7
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.

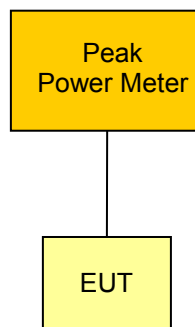
4.3.1 Limits

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
$\leq 1\text{W} / 30\text{dBm}$

*) 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	1.7dBi	
Power correction	0dB	
Channel [MHz]	Conducted output power [dBm]	Power Limit [dBm]
Test mode DSSS		
2412	20.0	30
2437	20.4	30
2462	20.7	30
Test mode OFDM		
2412	23.5	30
2437	24.0	30
2462	24.6	30
Test mode HT20		
2412	23.6	30
2437	24.5	30
2462	24.6	30
Test mode HT40		
2422	23.8	30
2437	24.2	30
2452	24.5	30
See attached diagrams in Annex		
Measurement uncertainty		4.22dB
Verdict		PASS

4.4 Transmitter band-edge compliance

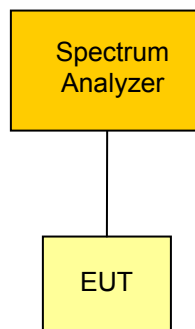
According FCC rules 47 CFR 15.209, 15.247(d) and RSS-210 Section A8.5 the emission level of out-of-band emissions are limited and has to be validated.

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 band edge, or on the highest modulation product outside of the band, if this level is greater than that at the band edge. Using the delta-marker function the highest peak 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	-34.75	-38.41
OFDM	-24.28	-32.52
HT20	-27.26	-35.92
HT40	-28.36	-29.15
See attached diagram in Annex		
Verdict		PASS

4.5 Transmitter conducted spurious emissions

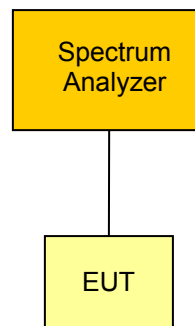
According FCC rules 47 CFR 15.247(d) and RSS-210 Section A8.5 unwanted emissions in the spurious domain are power limited and has to be validated.

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 $\geq$ 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						
Modulated		☒ Yes ☐ No				
Channel Frequency [MHz]	Emission Frequency [MHz]	Emission Level [dBm]	Peak field Strength [dBm]	Limit [dBm]	Detector	Margin [dB]
Test mode DSSS						
2412	No significant spurious emissions					
2437	No significant spurious emissions					
2462	No significant spurious emissions					
Test mode OFDM						
2412	No significant spurious emissions					
2437	No significant spurious emissions					
2462	No significant spurious emissions					
Test mode HT20						
2412	No significant spurious emissions					
2437	No significant spurious emissions					
2462	No significant spurious emissions					
Test mode HT40						
2412	No significant spurious emissions					
2437	No significant spurious emissions					
2462	No significant spurious emissions					
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

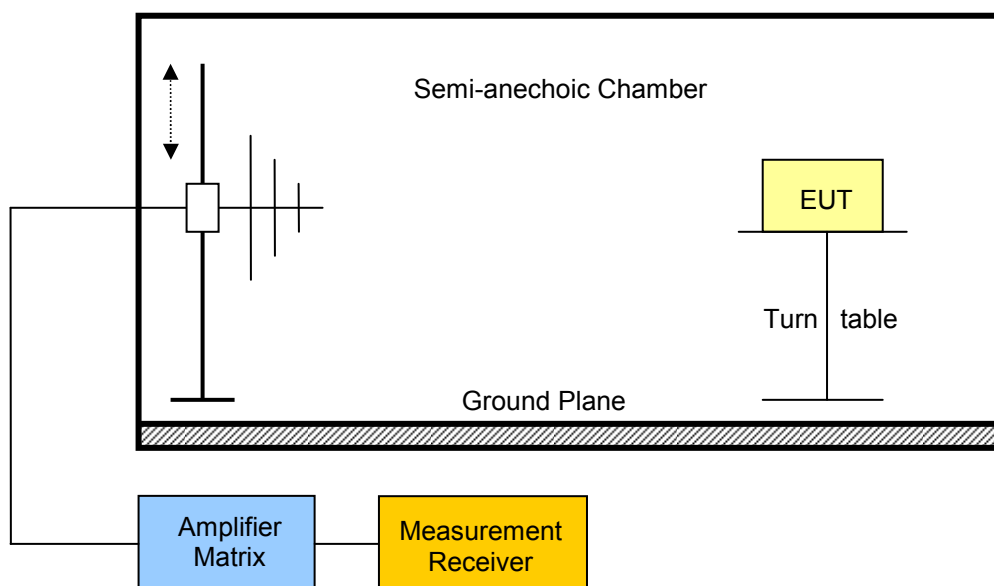
Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Transmitter restricted band spurious emission limits				
Frequency range [MHz]	Detector	Limit [$\mu\text{V/m}$]	Calculated Limit 3m [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

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 - DSSS						
Measurement Conditions						
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	967	v	39.4	74	peak	-34.60
2412	2390	v	60.5	74	peak	-13.50
2412	2390	v	49.5	54	avg	-04.50
2412	4826	v	49.9	74	peak	-24.10
2437	2361	v	55.5	74	peak	-18.50
2437	2359	v	47.4	54	avg	-06.60
2437	2489	v	56.1	74	peak	-17.90
2437	2492	v	46.4	54	avg	-07.60
2437	4874	v	50.1	74	peak	-23.90
2462	2383	v	55.1	74	peak	-18.90
2462	2384	v	47.7	54	avg	-06.30
2462	2484	v	64.7	74	peak	-09.30
2462	2484	v	51.9	54	avg	-02.10
2462	4922	v	53.6	74	peak	-20.40
2462	4926	v	42.2	54	avg	-11.80
See attached diagrams in Annex						
Verdict					PASS	

Transmitter radiated spurious emissions – HT20						
Measurement Conditions						
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	2390	v	66.8	74	peak	-07.20
2412	2390	v	52.4	54	avg	-01.60
2412	2390	h	57.2	74	peak	-16.80
2412	2397	h	32.0	54	avg	-22.00
2412	4817	v	47.4	74	peak	-26.60
2437	2386	v	54.4	74	peak	-19.60
2437	2385	v	44.3	54	avg	-09.70
2437	2487	v	59.9	74	peak	-14.10
2437	2498	v	47.6	54	avg	-06.40
2437	4874	v	50.7	74	peak	-23.30
2462	2383.5	v	66.1	74	peak	-07.90
2462	2384	v	53.4	54	avg	-00.60
2462	2483.5	h	55.0	74	peak	-19.00
2462	2483.5	h	39.7	54	avg	-14.30
See attached diagrams in Annex						
Verdict					PASS	

Transmitter radiated spurious emissions – HT40						
Measurement Conditions						
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]
2422	2386	v	67.5	74	peak	-06.50
2422	2390	v	48.8	54	avg	-05.20
2422	2383	h	56.2	74	peak	-17.80
2422	2390	h	47.8	54	avg	-06.20
2422	4841	v	46.2	74	peak	-27.80
2437	2390	v	61.0	74	peak	-13.00
2437	2390	v	44.6	54	avg	-09.40
2437	2487	v	54.3	74	peak	-19.70
2437	2486	v	46.5	54	avg	-07.50
2437	4873	v	47.9	74	peak	-26.10
2452	2490	v	64.6	74	peak	-09.40
2452	2387	v	50.9	54	avg	-03.10
2452	2486	h	54.5	74	peak	-19.50
2452	2483.5	h	40.4	54	avg	-13.60
2452	4905	v	52.5	74	peak	-21.50
See attached diagrams in Annex						
Verdict					PASS	

5 Power Line parameters

5.1 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.

5.1.1 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

5.1.2 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.

5.1.3 Results

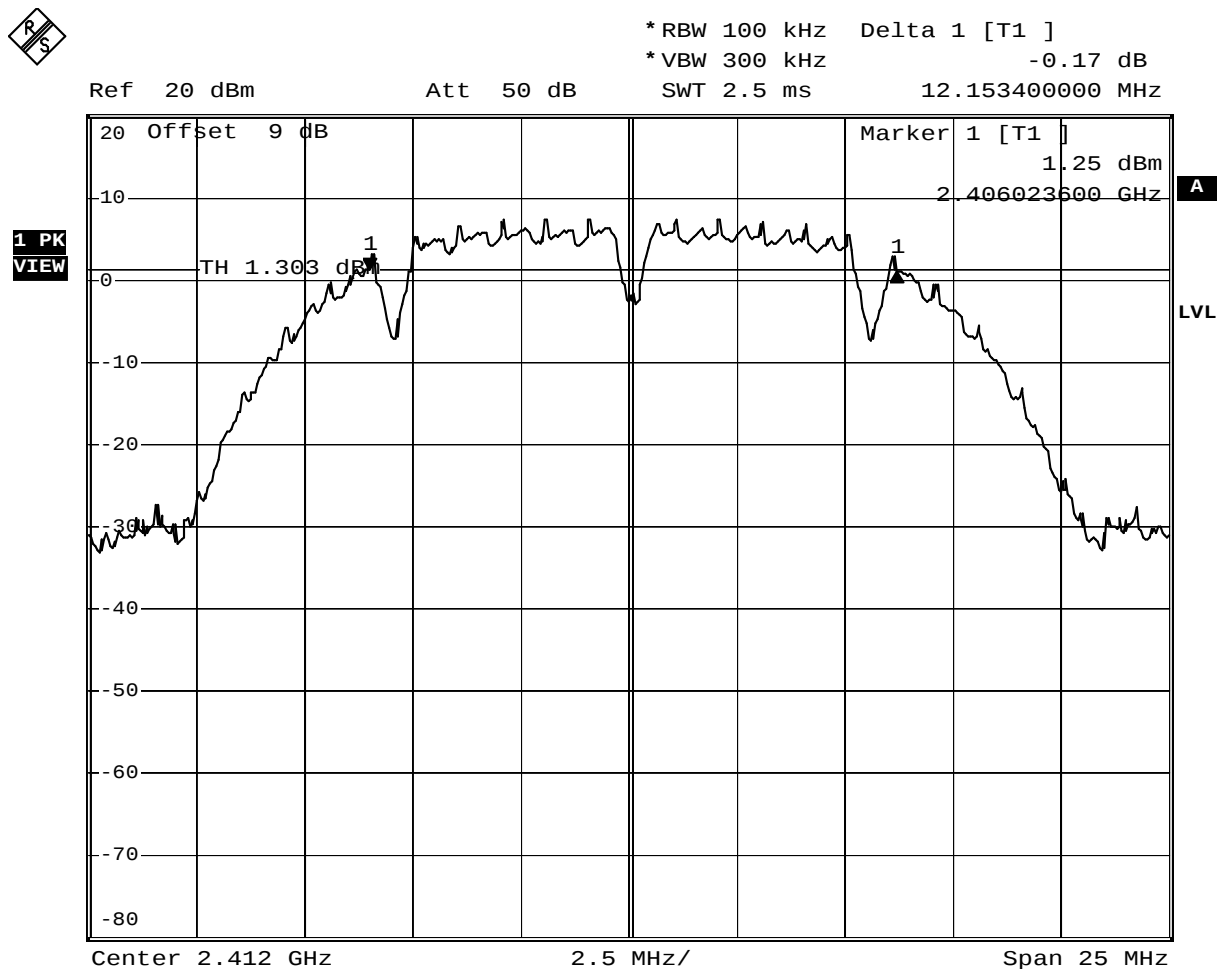
AC power line emissions	
Conducted emission level	
See attached Diagram	
Verdict	PASS

Annex B Transmitter 6dB bandwidth

FCC part 15.247 (a)2

Minimum 6 dB Bandwidth

EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
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	DSSS, power level 17, MCS0



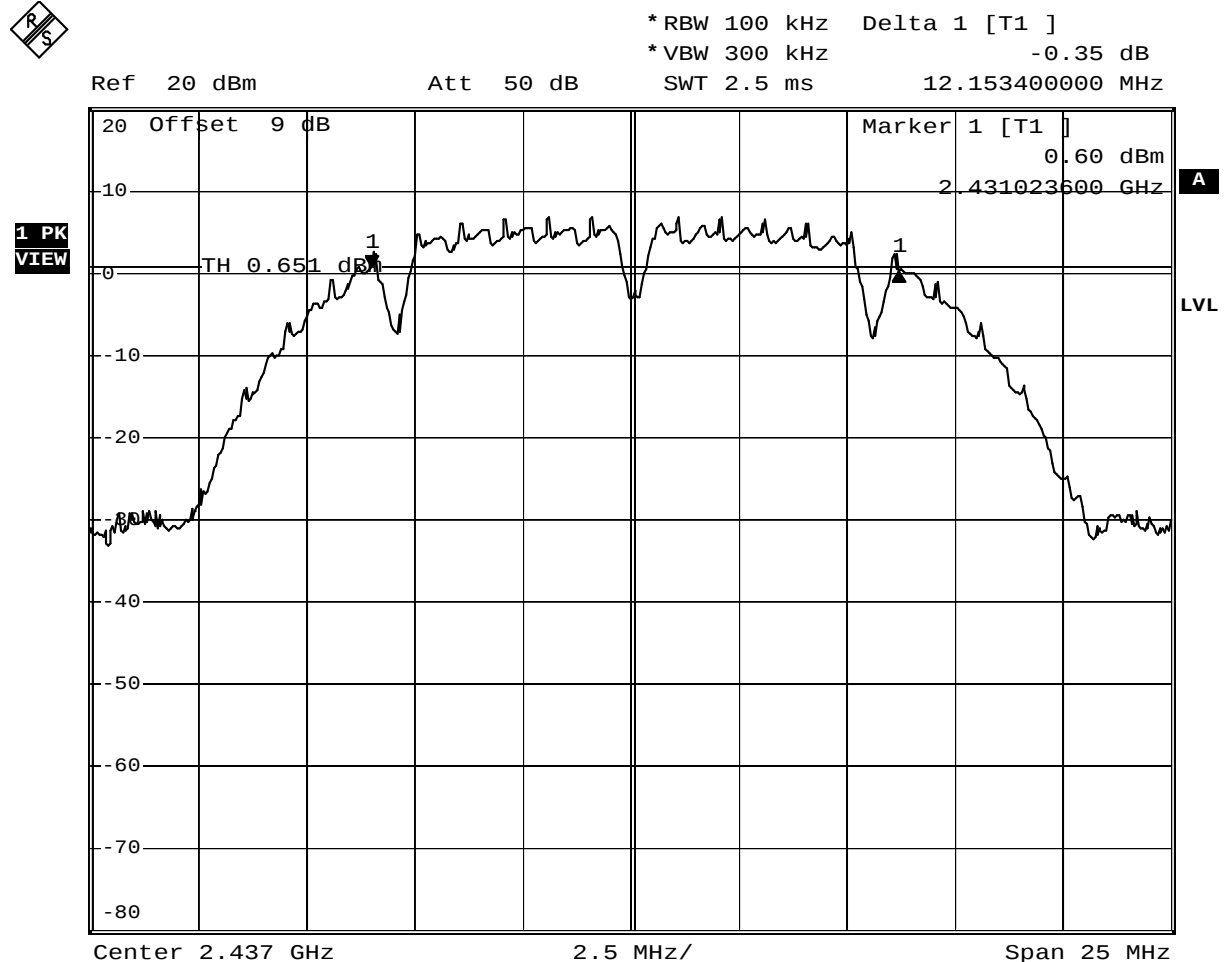
Comment: 6 dB bandwidth: 12153.4 KHz > 500 KHz;

verdict: PASS

Date: 3.AUG.2011 15:01:25

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

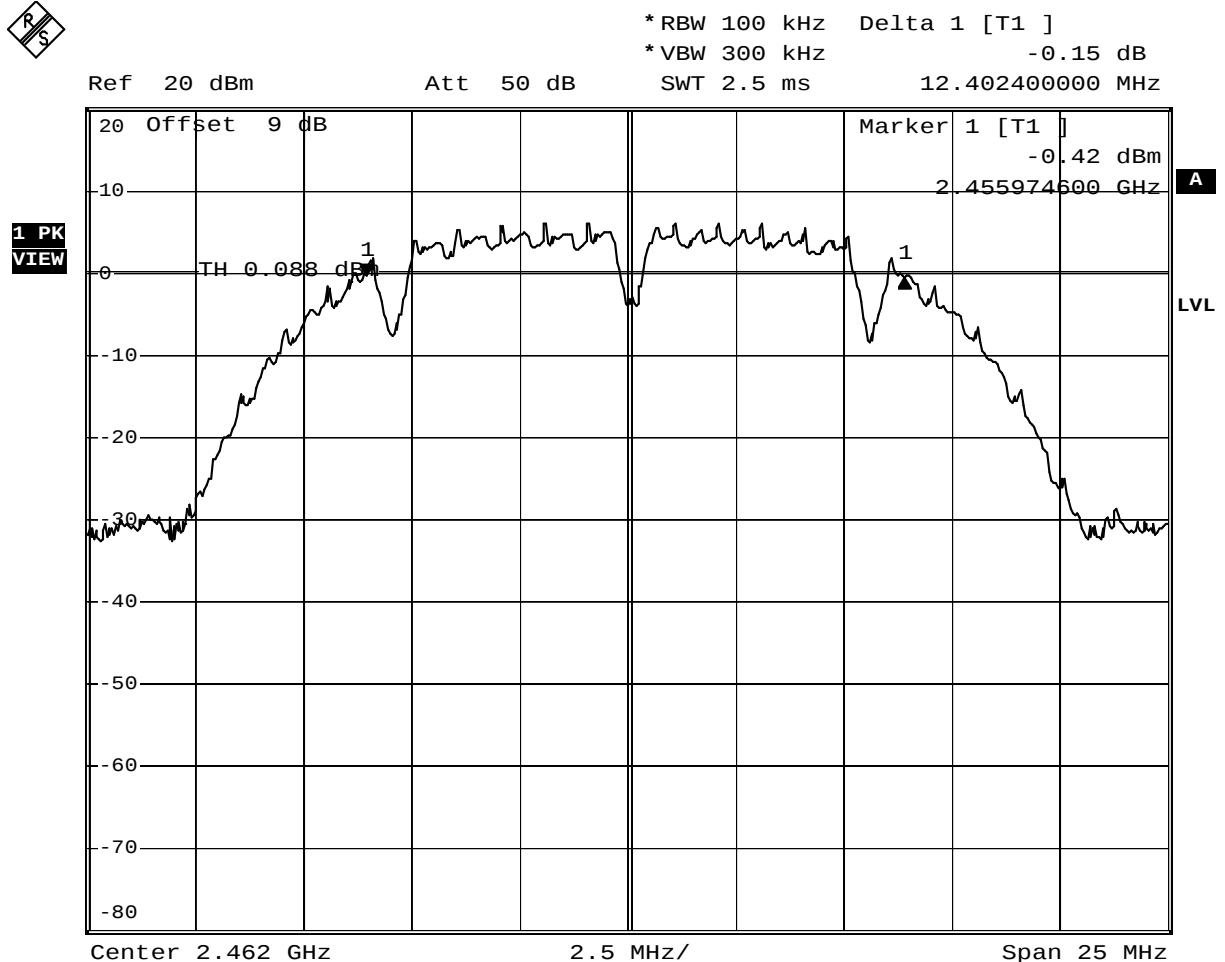
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2437 MHz
Comment 3	DSSS, power level 17, MCS0



Comment: 6 dB bandwidth: 12153.4 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 15:03:59

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

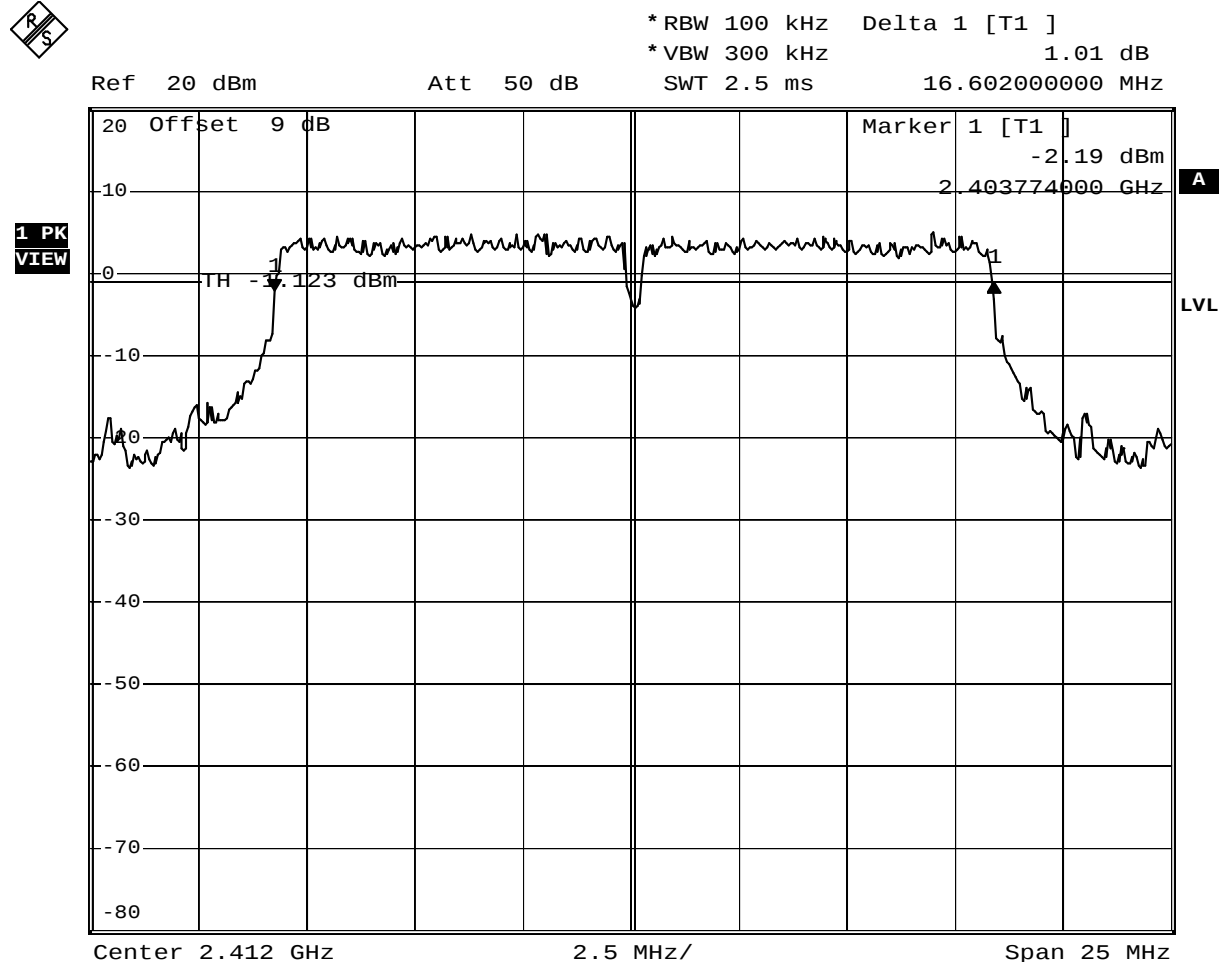
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2462 MHz
Comment 3	DSSS, power level 17, MCS0



Comment: 6 dB bandwidth: 12402.4 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 15:05:58

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

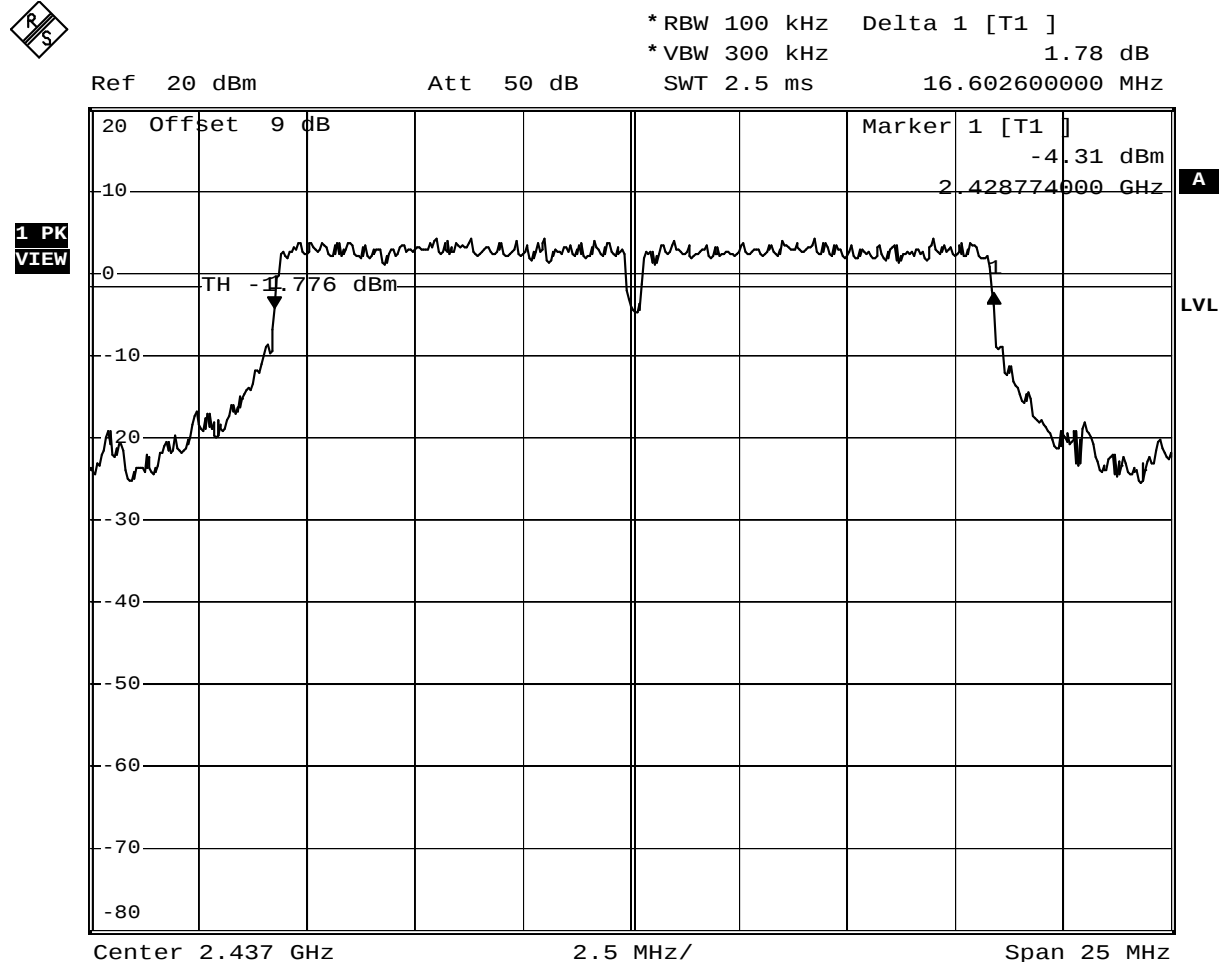
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2412 MHz
Comment 3	OFDM, power level 15, MCS0



Comment: 6 dB bandwidth: 16602 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:52:17

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

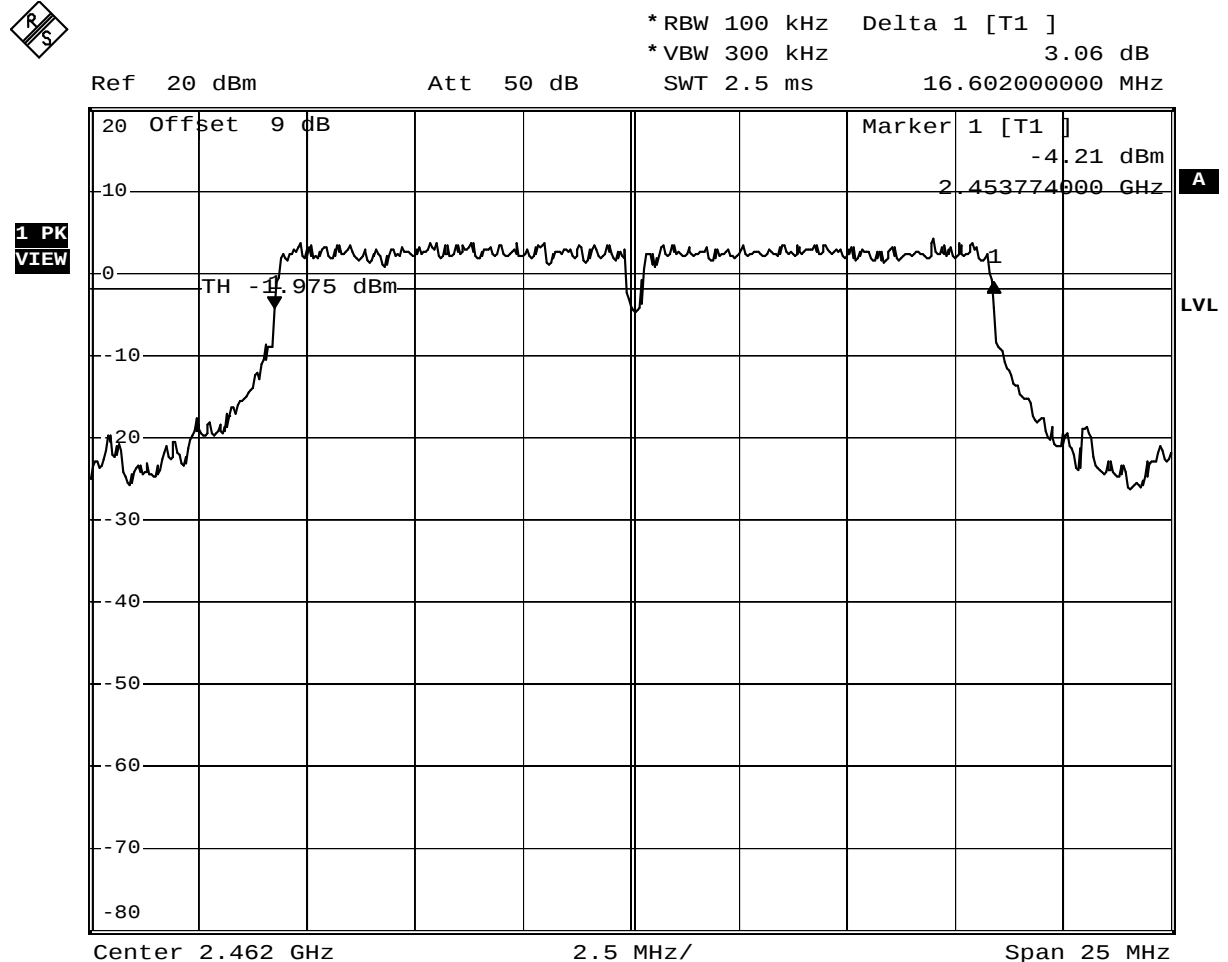
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2437 MHz
Comment 3	OFDM, power level 15, MCS0



Comment: 6 dB bandwidth: 16602.6 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:54:50

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

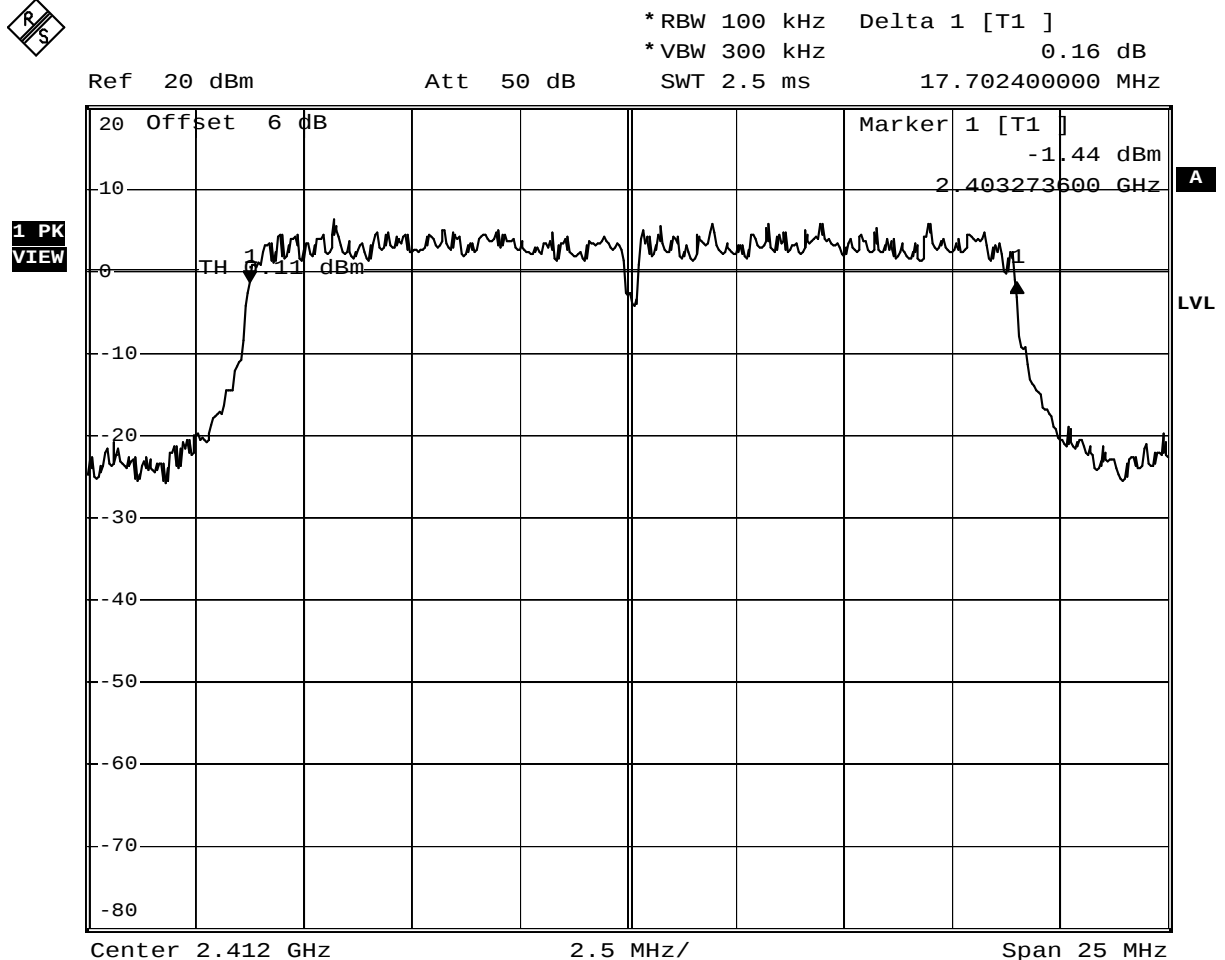
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Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2452 MHz
Comment 3	OFDM, power level 15, MCS0



Comment: 6 dB bandwidth: 16602 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:57:31

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

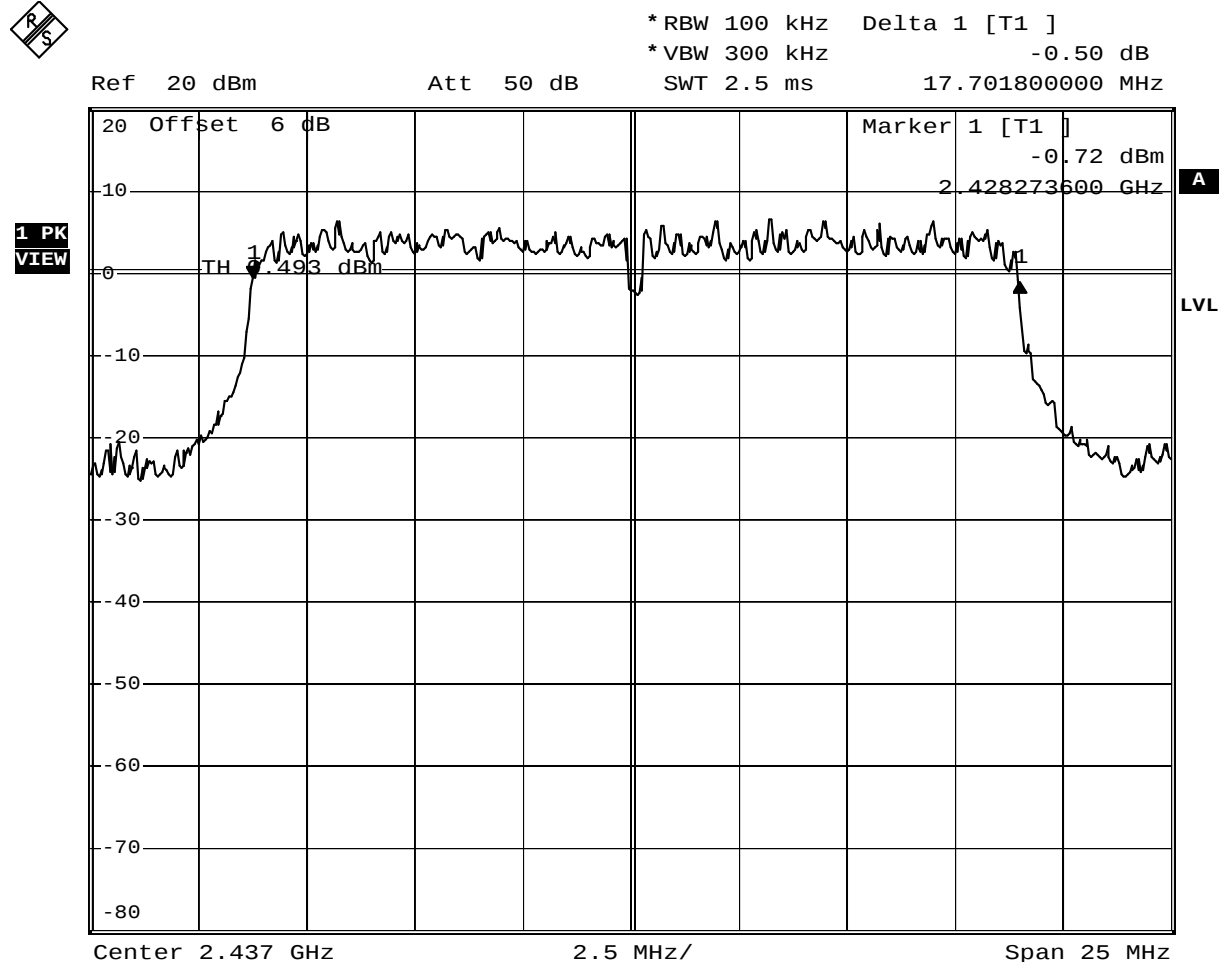
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2412 MHz
Comment 3	HT20, power level 15, MCS8



Comment: 6 dB bandwidth: 17702.4 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:42:00

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

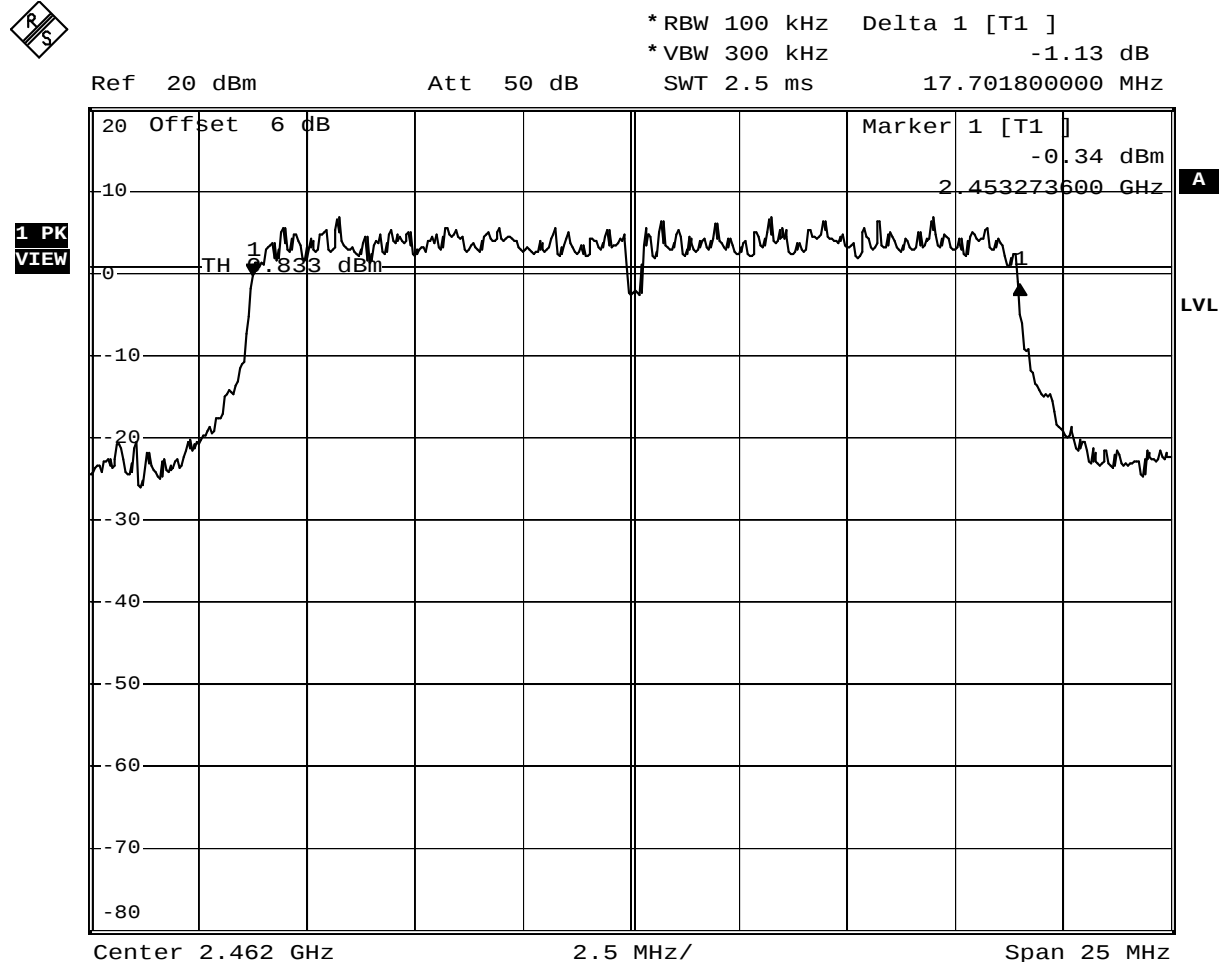
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2437 MHz
Comment 3	HT20, power level 15, MCS8



Comment: 6 dB bandwidth: 17701.8 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:44:47

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

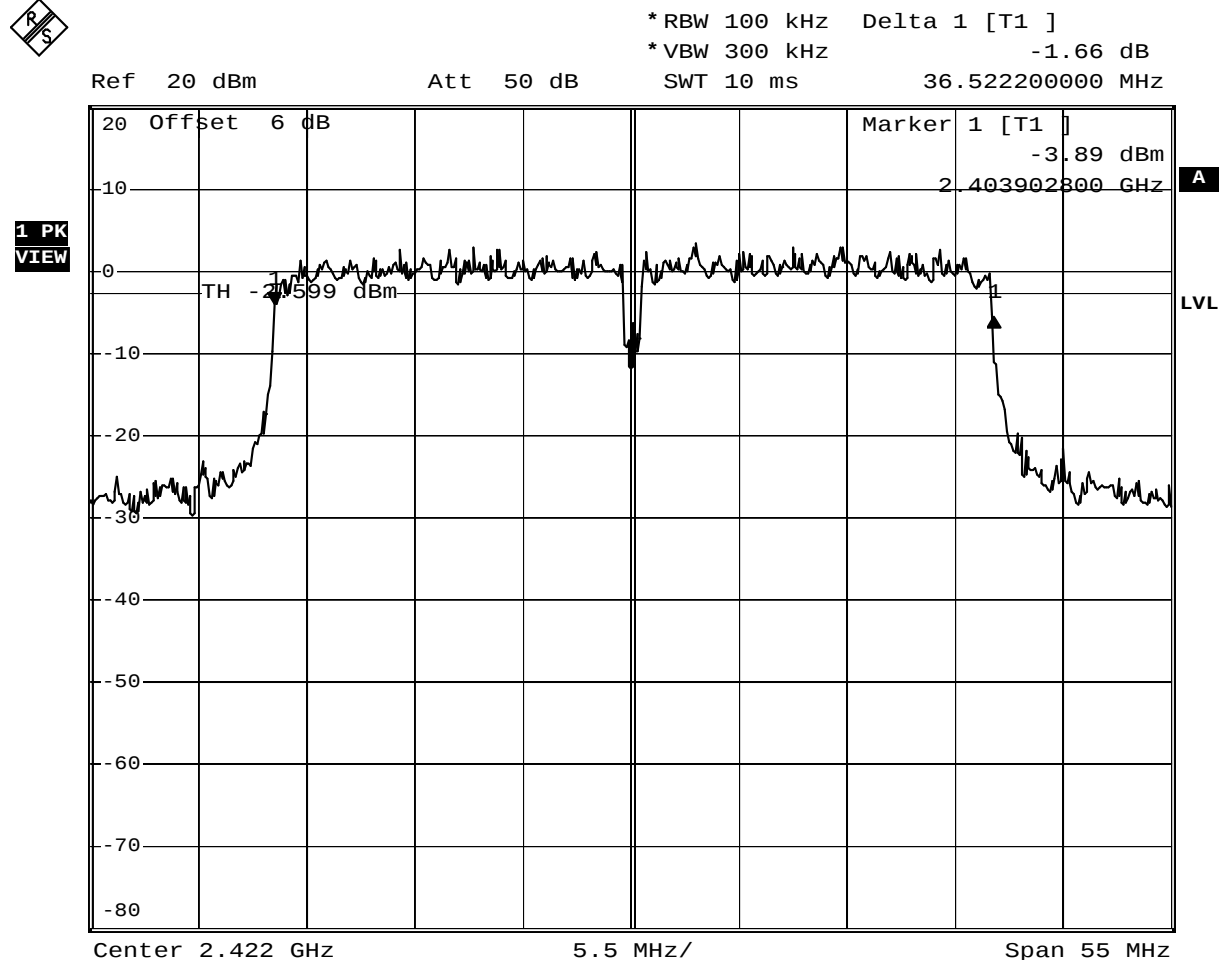
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2462 MHz
Comment 3	HT20, power level 15, MCS8



Comment: 6 dB bandwidth: 17701.8 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:46:56

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

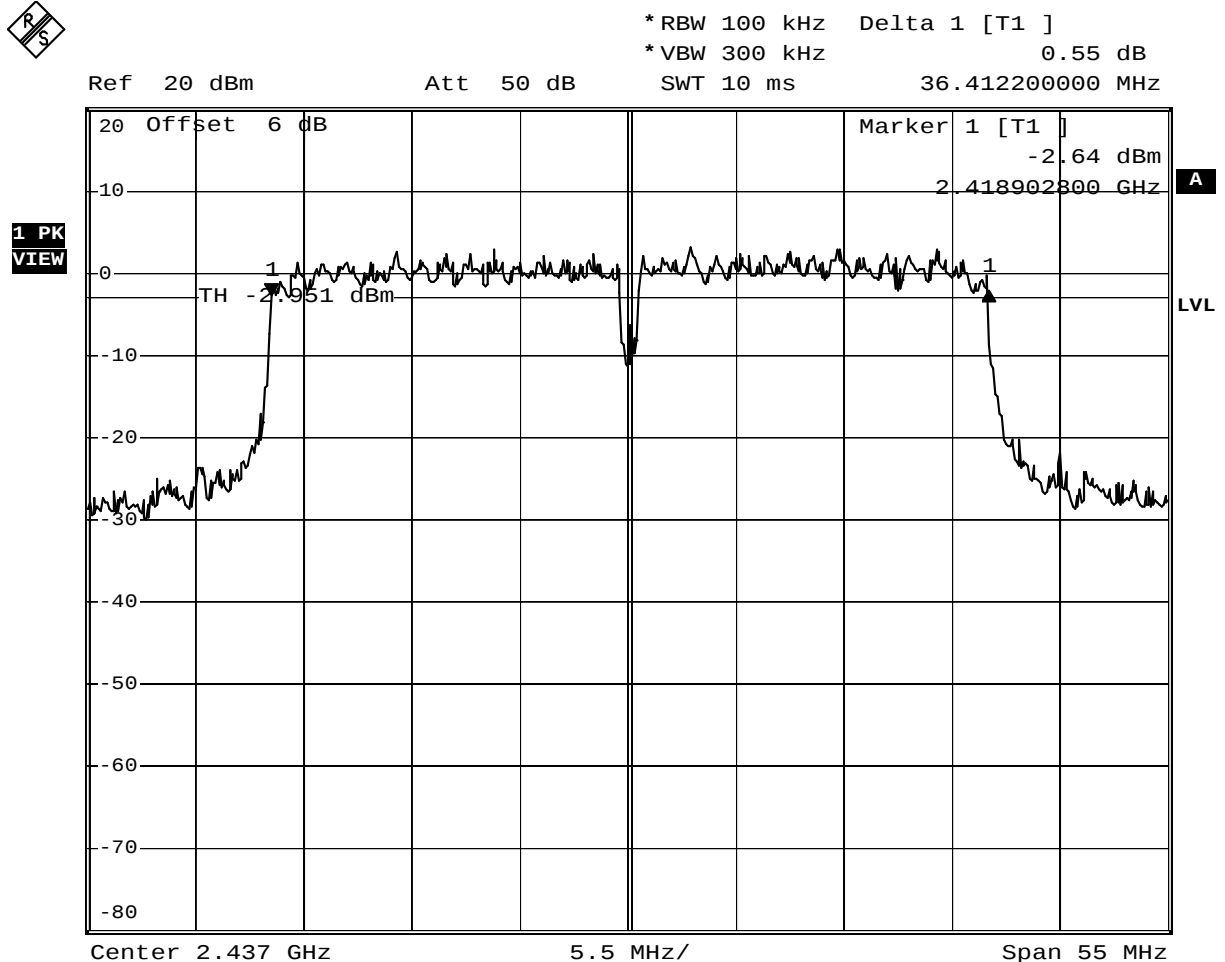
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2422 MHz
Comment 3	HT40, power level 15, MCS8



Comment: 6 dB bandwidth: 36522.2 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:37:59

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

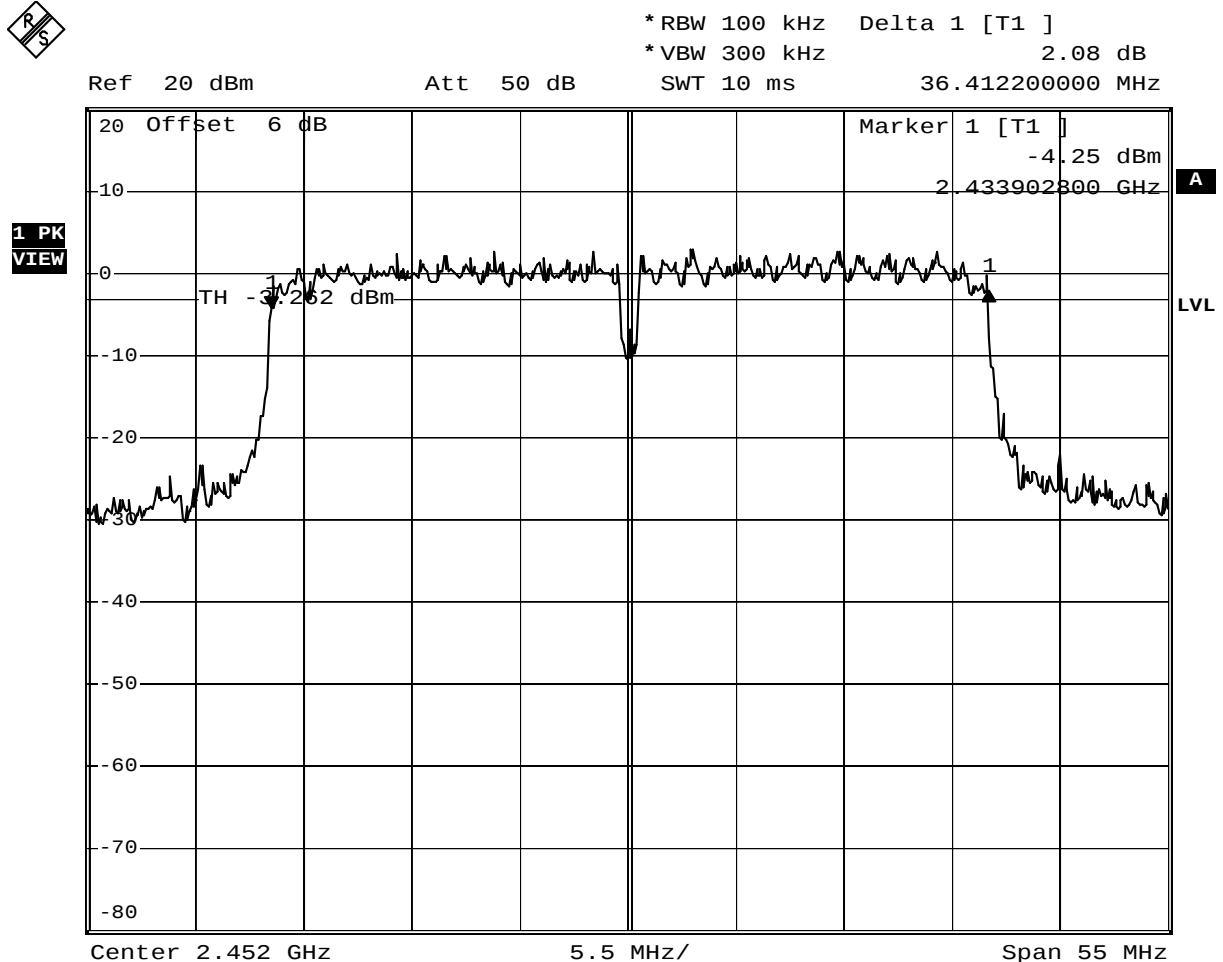
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (a)2
Comment 1	Minimum 6 dB Bandwidth
Comment 2	Channel : 2437 MHz
Comment 3	HT40, power level 15, MCS8



Comment: 6 dB bandwidth: 36412.2 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:29:02

FCC part 15.247 (a)2
Minimum 6 dB Bandwidth

EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
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 : 2452 MHz
Comment 3	HT40, power level 15, MCS8



Comment: 6 dB bandwidth: 36412.2 KHz > 500 KHz; verdict: PASS
 Date: 3.AUG.2011 14:33:19

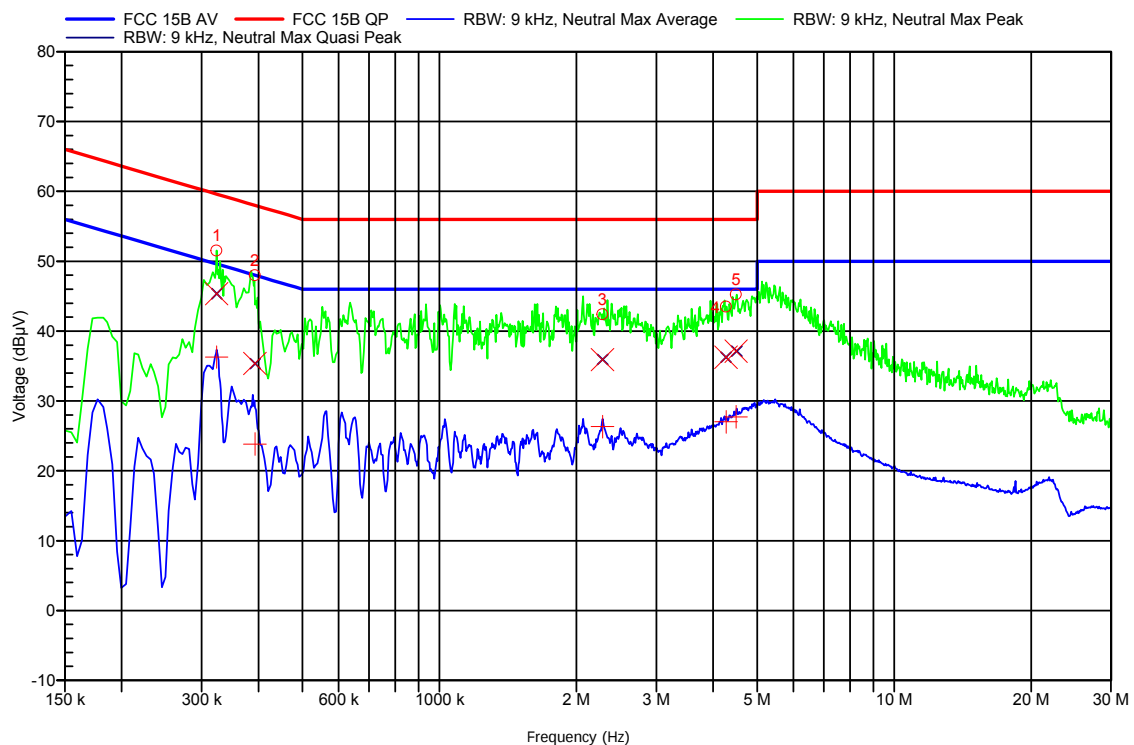
Annex C AC Power line Conducted Emissions

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

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 LISN: ESH2-Z5 N
 Mode: active
 Test Date: 23.08.2011
 Note: PASS

Index 1



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
323.7 kHz	45.35 dBµV	59.61 dBµV	-14.26 dB	Pass
393 kHz	35.36 dBµV	58 dBµV	-22.64 dB	Pass
2.284 MHz	35.93 dBµV	56 dBµV	-20.07 dB	Pass
4.268 MHz	36.25 dBµV	56 dBµV	-19.75 dB	Pass
4.492 MHz	37.12 dBµV	56 dBµV	-18.88 dB	Pass

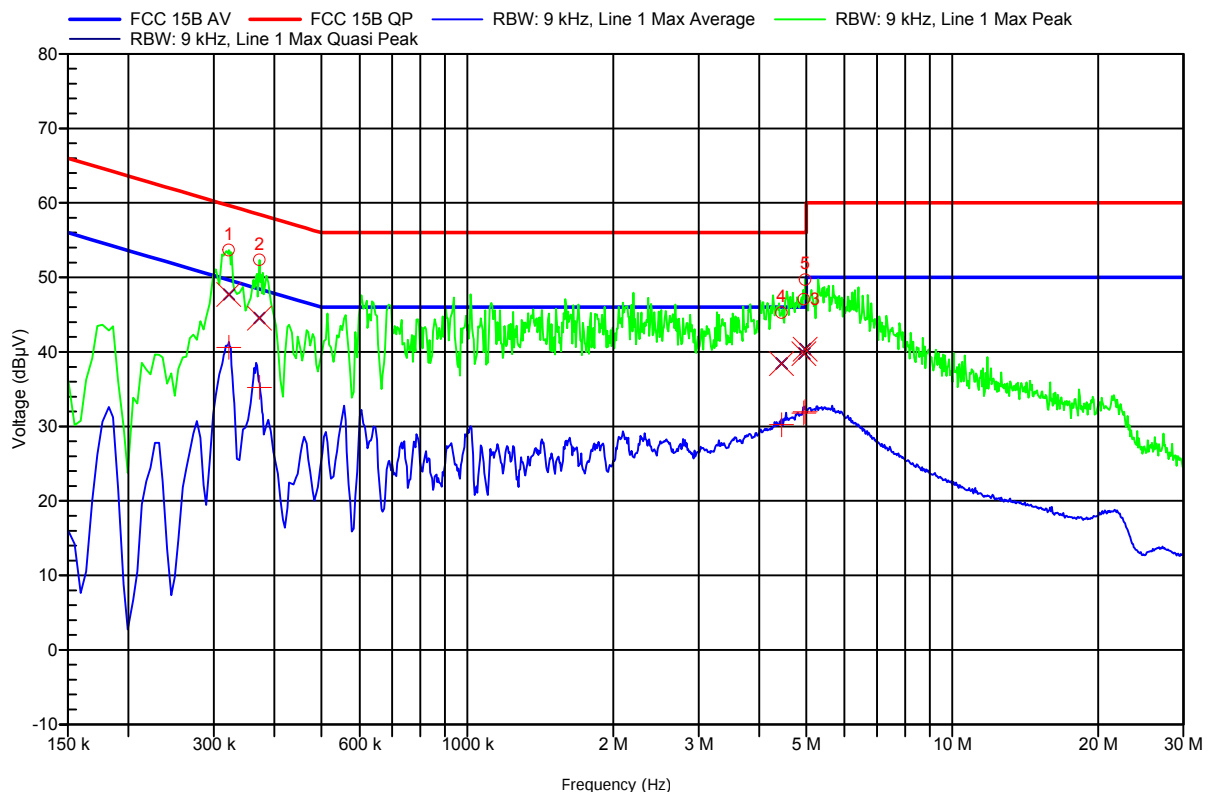
Frequency	Average	Average Limit	Average Difference	Status
323.7 kHz	36.28 dBµV	49.61 dBµV	-13.33 dB	Pass
393 kHz	23.83 dBµV	48 dBµV	-24.17 dB	Pass
2.284 MHz	26.32 dBµV	46 dBµV	-19.68 dB	Pass
4.268 MHz	27 dBµV	46 dBµV	-19 dB	Pass
4.492 MHz	27.73 dBµV	46 dBµV	-18.27 dB	Pass

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

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 LISN: ESH2-Z5 L
 Mode: active
 Test Date: 23.08.2011
 Note: PASS

Index 2



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
322.35 kHz	47.71 dBµV	59.65 dBµV	-11.93 dB	Pass
372.75 kHz	44.54 dBµV	58.44 dBµV	-13.9 dB	Pass
4.447 MHz	38.45 dBµV	56 dBµV	-17.55 dB	Pass
4.945 MHz	39.77 dBµV	56 dBµV	-16.23 dB	Pass
4.974 MHz	40.38 dBµV	56 dBµV	-15.62 dB	Pass

Frequency	Average	Average Limit	Average Difference	Status
322.35 kHz	40.61 dBµV	49.65 dBµV	-9.03 dB	Pass
372.75 kHz	35.25 dBµV	48.44 dBµV	-13.19 dB	Pass
4.447 MHz	30.23 dBµV	46 dBµV	-15.77 dB	Pass
4.945 MHz	31.79 dBµV	46 dBµV	-14.21 dB	Pass
4.974 MHz	31.97 dBµV	46 dBµV	-14.03 dB	Pass

Test Report No.: G0M-1106-1223-P-15

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

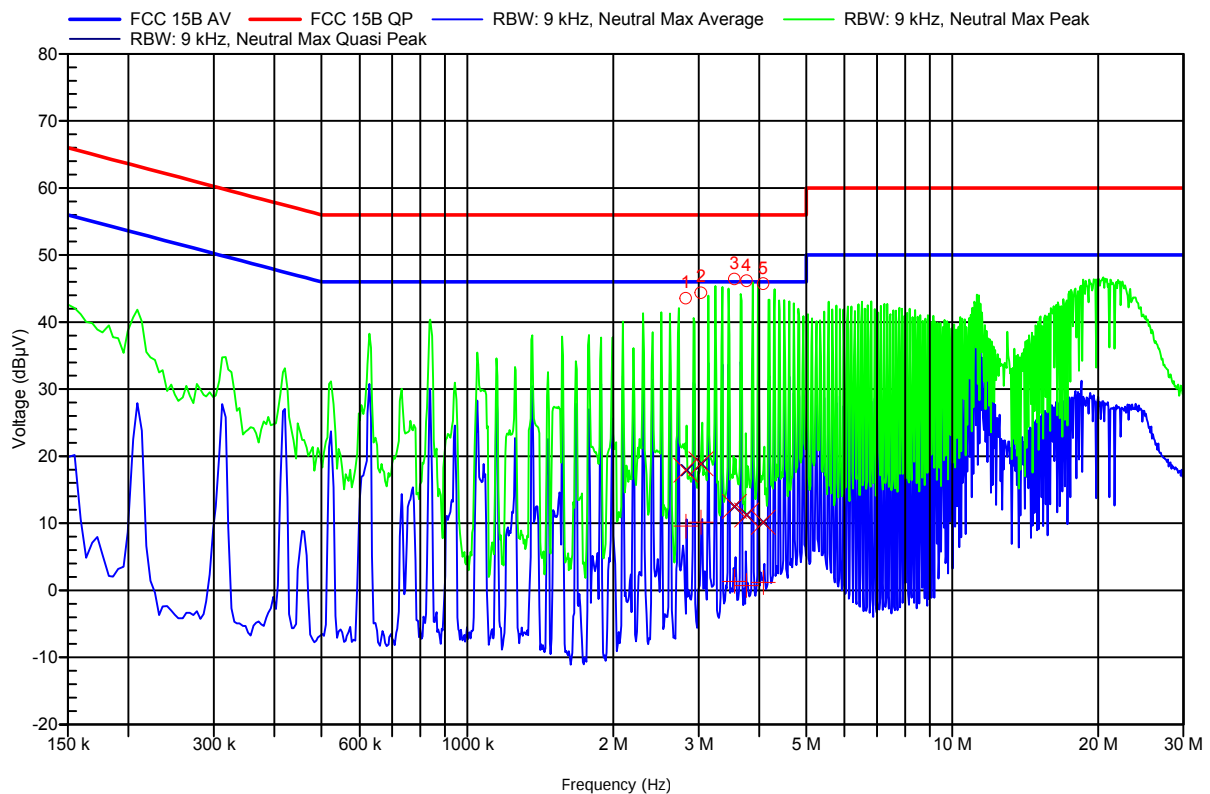
Page 50 of 153

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

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: POE
 LISN: ESH2-Z5 N
 Mode: active, POE
 Test Date: 24.08.2011
 Note: PASS

Index 7



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
2.823 MHz	17.9 dBµV	56 dBµV	-38.1 dB	Pass
3.035 MHz	18.88 dBµV	56 dBµV	-37.12 dB	Pass
3.557 MHz	12.5 dBµV	56 dBµV	-43.5 dB	Pass
3.768 MHz	11.24 dBµV	56 dBµV	-44.76 dB	Pass
4.079 MHz	10.16 dBµV	56 dBµV	-45.84 dB	Pass

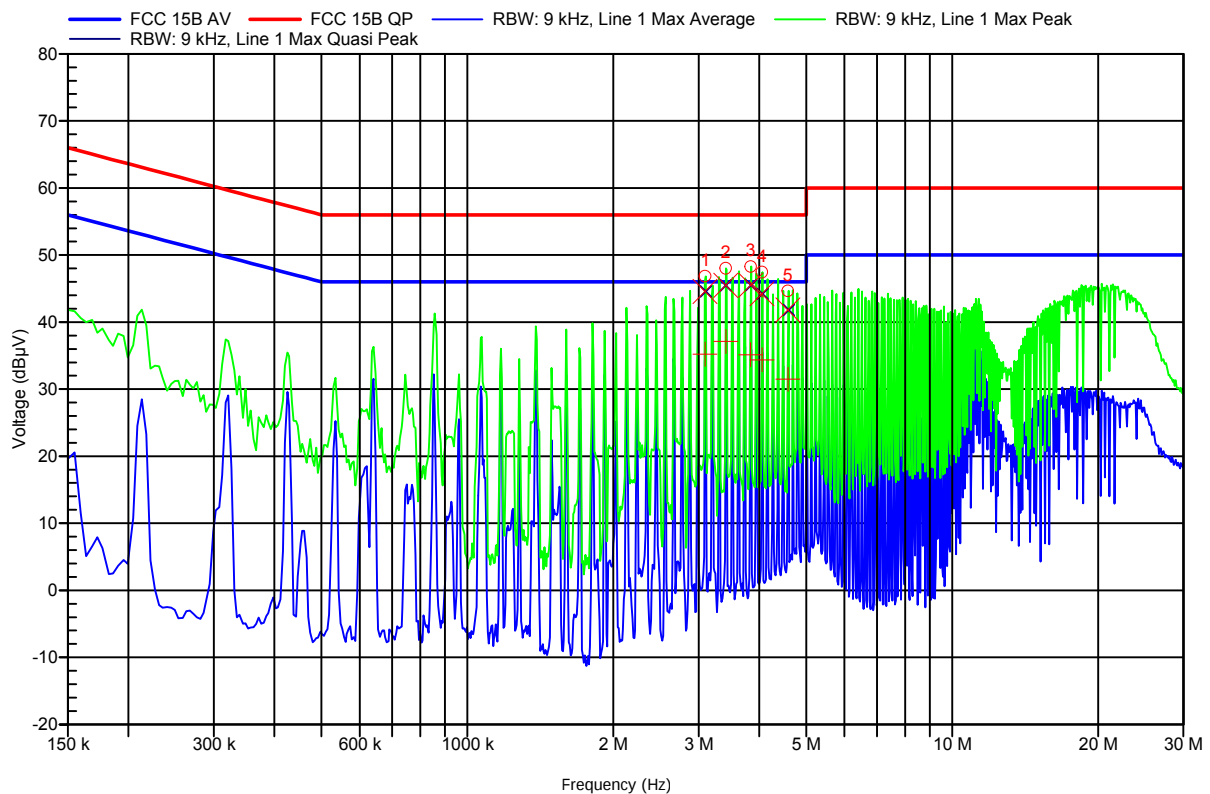
Frequency	Average	Average Limit	Average Difference	Status
2.823 MHz	9.57 dBµV	46 dBµV	-36.43 dB	Pass
3.035 MHz	10.16 dBµV	46 dBµV	-35.84 dB	Pass
3.557 MHz	1.34 dBµV	46 dBµV	-44.66 dB	Pass
3.768 MHz	0.72 dBµV	46 dBµV	-45.28 dB	Pass
4.079 MHz	1.17 dBµV	46 dBµV	-44.83 dB	Pass

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

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: POE
 LISN: ESH2-Z5 L
 Mode: active, POE
 Test Date: 24.08.2011
 Note: PASS

Index 8



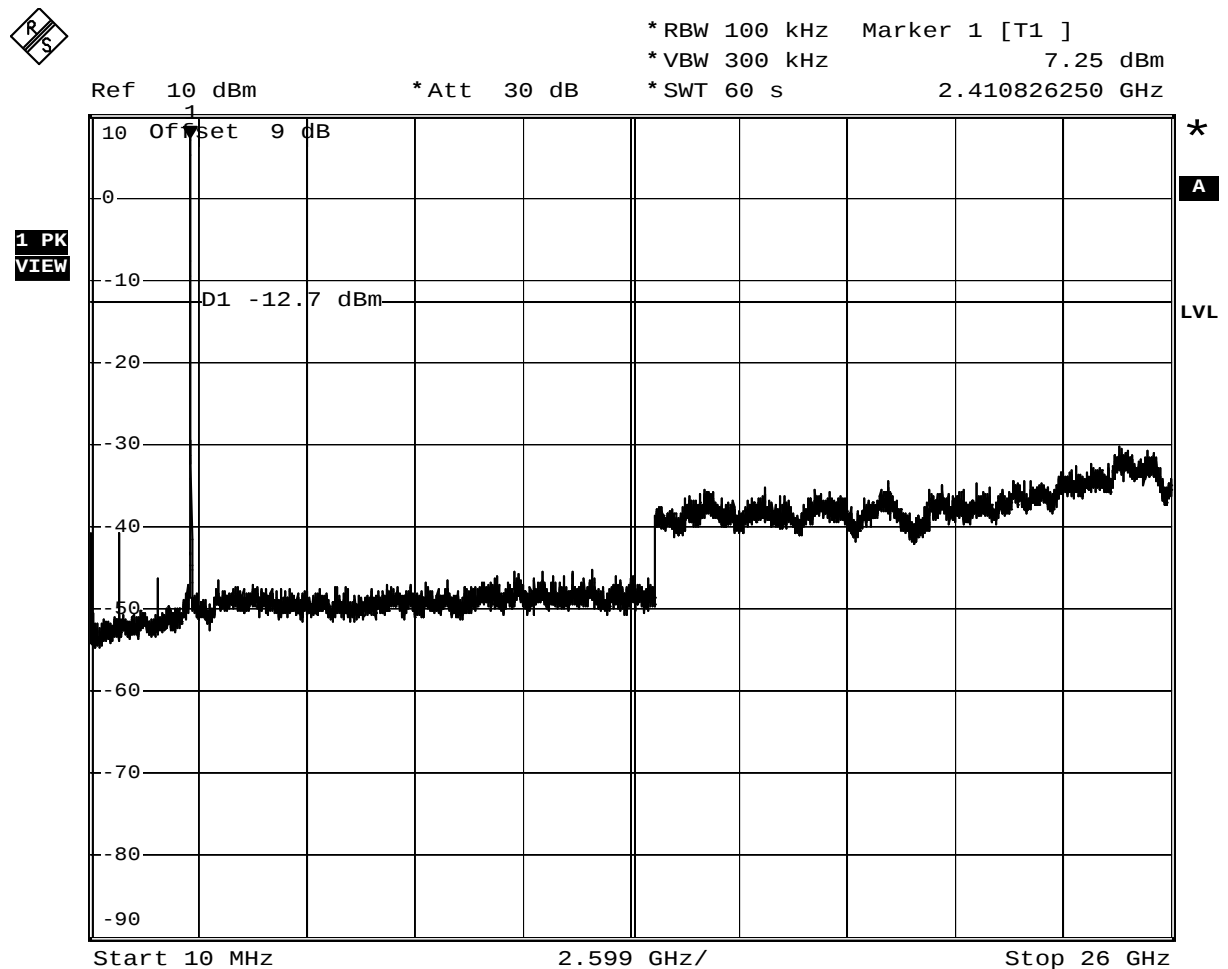
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
3.094 MHz	44.57 dBµV	56 dBµV	-11.43 dB	Pass
3.414 MHz	45.48 dBµV	56 dBµV	-10.52 dB	Pass
3.843 MHz	45.52 dBµV	56 dBµV	-10.48 dB	Pass
4.054 MHz	44.21 dBµV	56 dBµV	-11.79 dB	Pass
4.587 MHz	41.81 dBµV	56 dBµV	-14.19 dB	Pass

Frequency	Average	Average Limit	Average Difference	Status
3.094 MHz	35.22 dBµV	46 dBµV	-10.78 dB	Pass
3.414 MHz	37.12 dBµV	46 dBµV	-8.88 dB	Pass
3.843 MHz	35.14 dBµV	46 dBµV	-10.86 dB	Pass
4.054 MHz	34.36 dBµV	46 dBµV	-11.64 dB	Pass
4.587 MHz	31.49 dBµV	46 dBµV	-14.51 dB	Pass

Annex D Transmitter conducted spurious emissions

FCC part 15.247 (d) Spurious Emissions

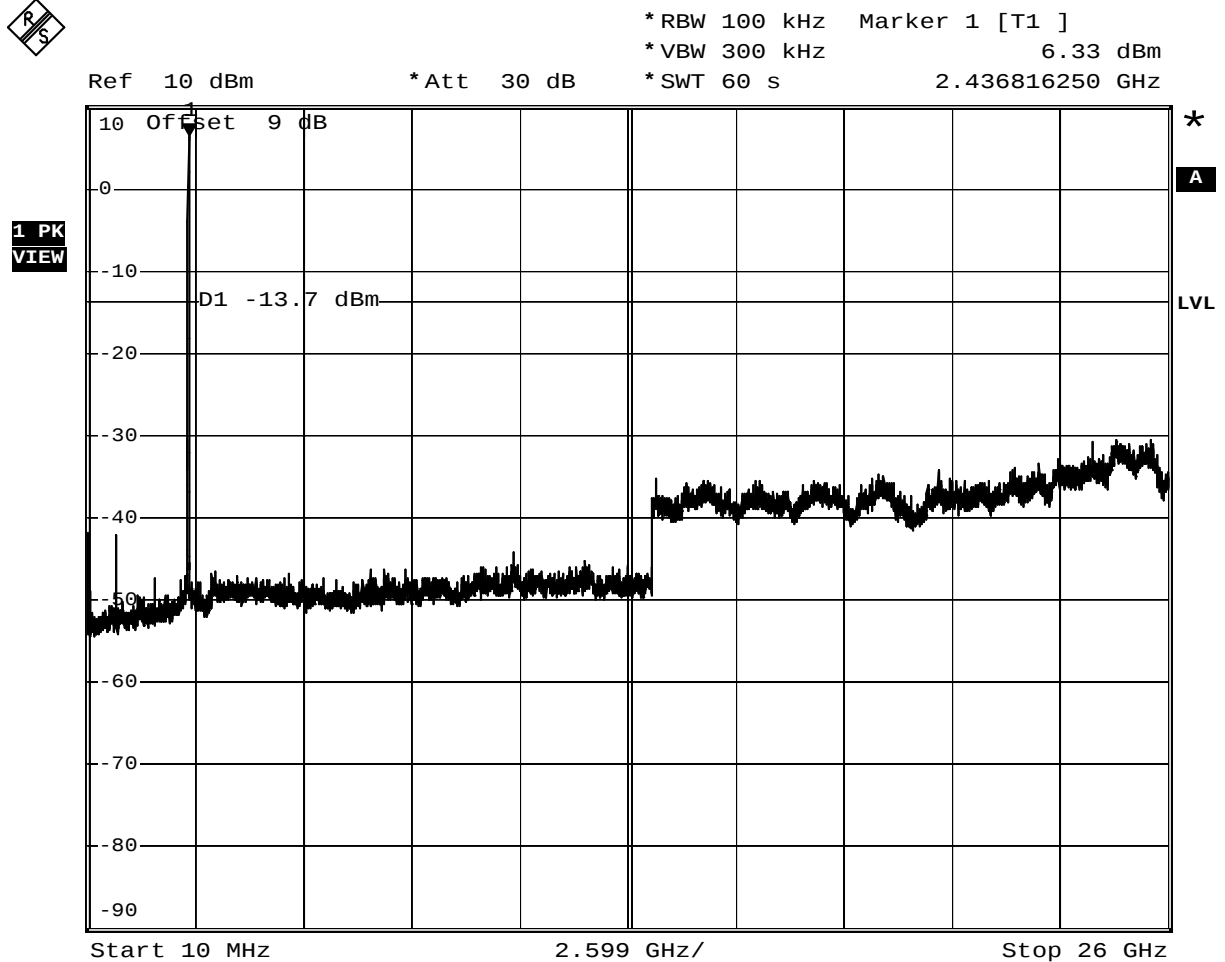
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	DSSS / 1 Mbit/s



Date: 4.AUG.2011 08:46:51

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

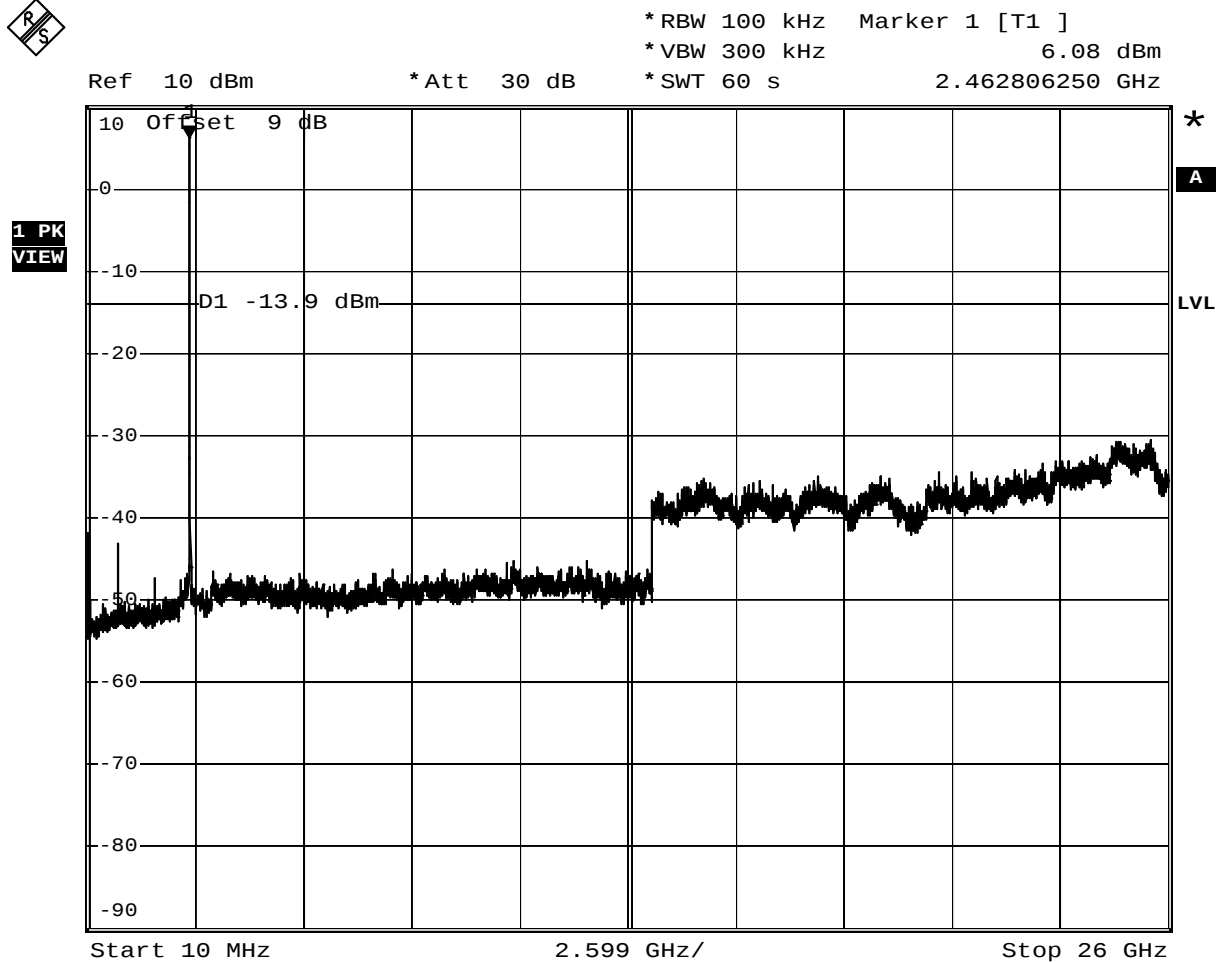
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	DSSS / 1 Mbit/s



Date: 4.AUG.2011 08:49:49

FCC part 15.247 (d) Spurious Emissions

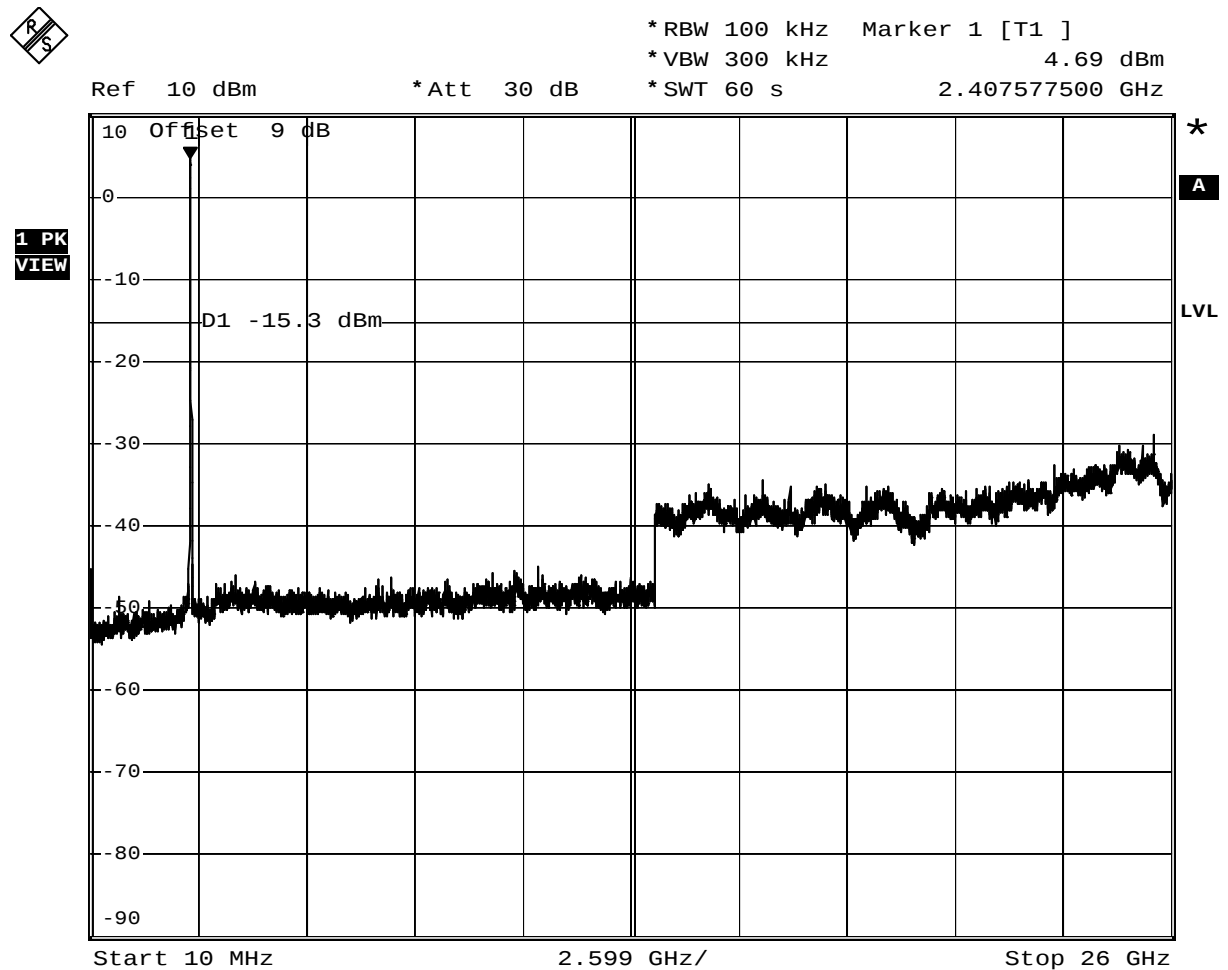
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	DSSS / 1 Mbit/s



Date: 4.AUG.2011 08:53:41

FCC part 15.247 (d) Spurious Emissions

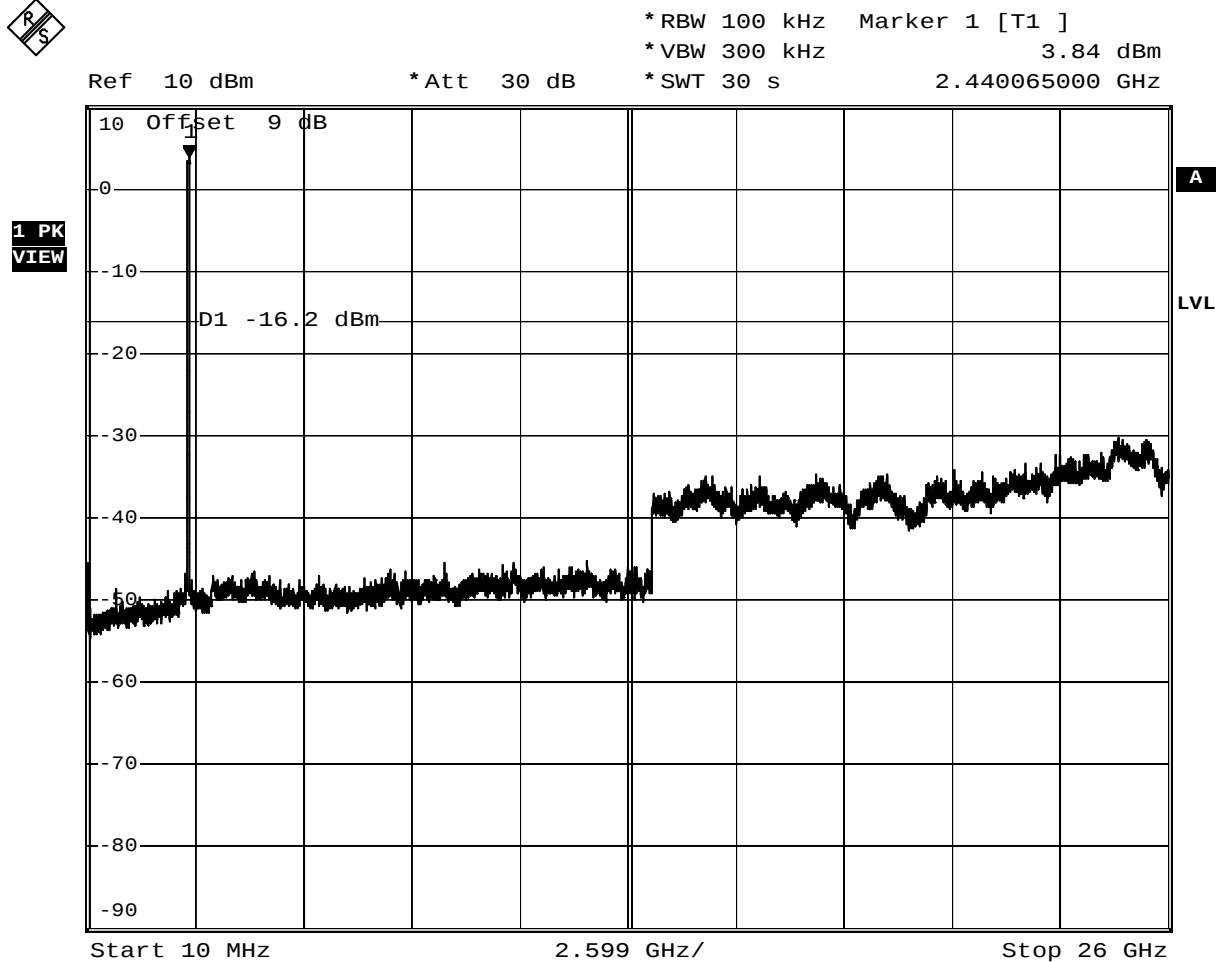
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	OFDM / 6 Mbit/s



Date: 4.AUG.2011 09:05:09

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

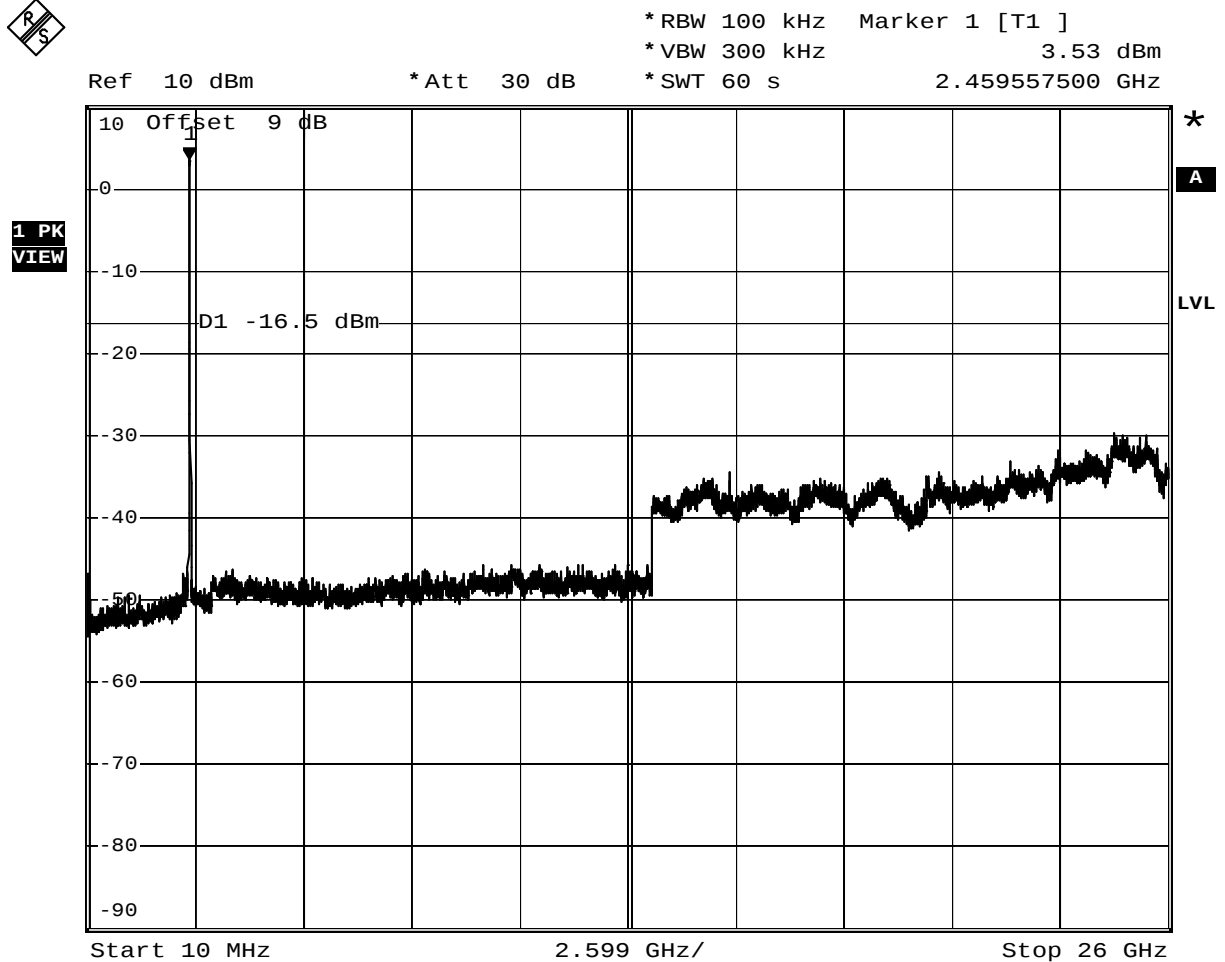
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	OFDM / 6 Mbit/s



Date: 4.AUG.2011 09:02:35

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

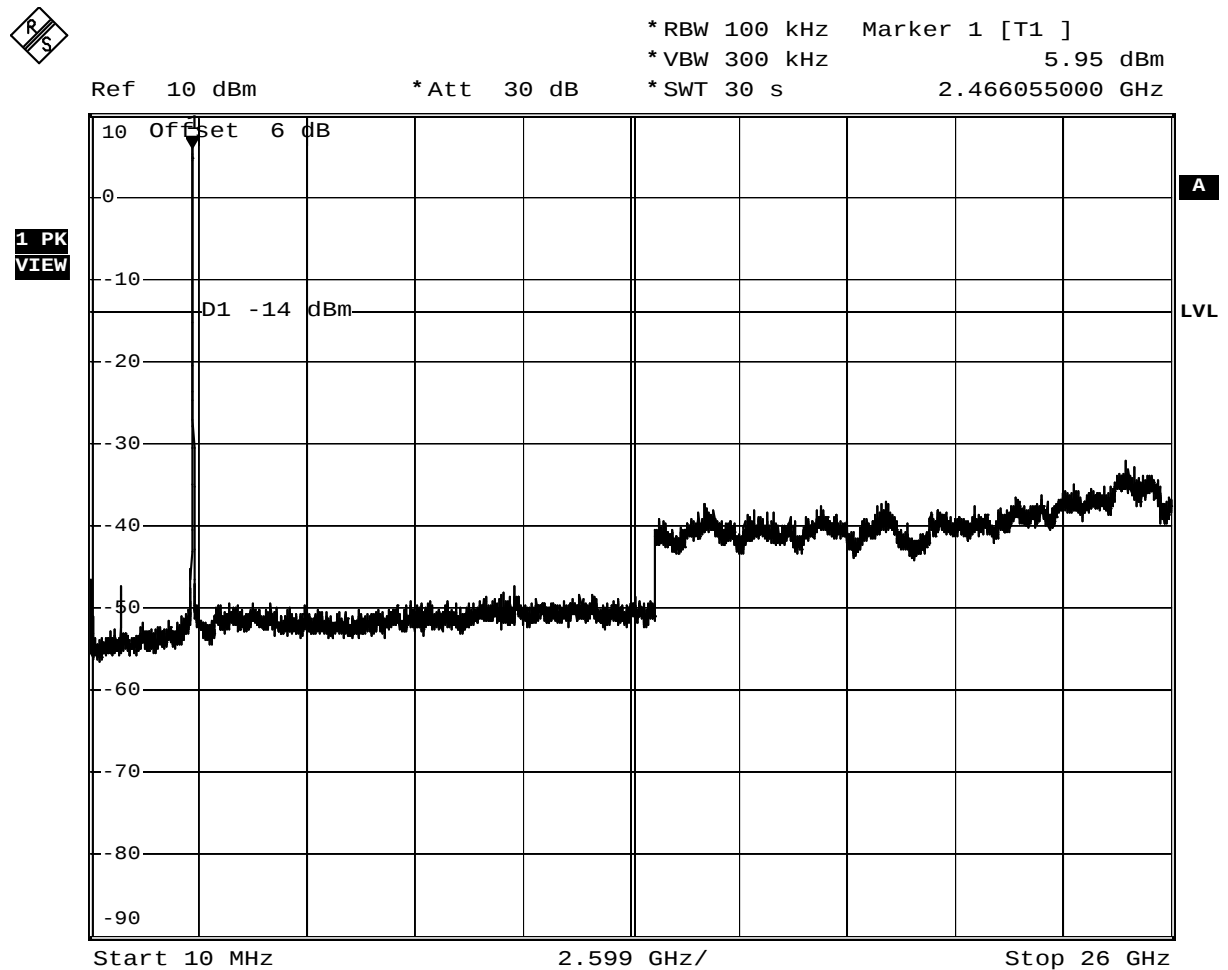
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	OFDM / 6 Mbit/s



Date: 4.AUG.2011 09:07:52

FCC part 15.247 (d) Spurious Emissions

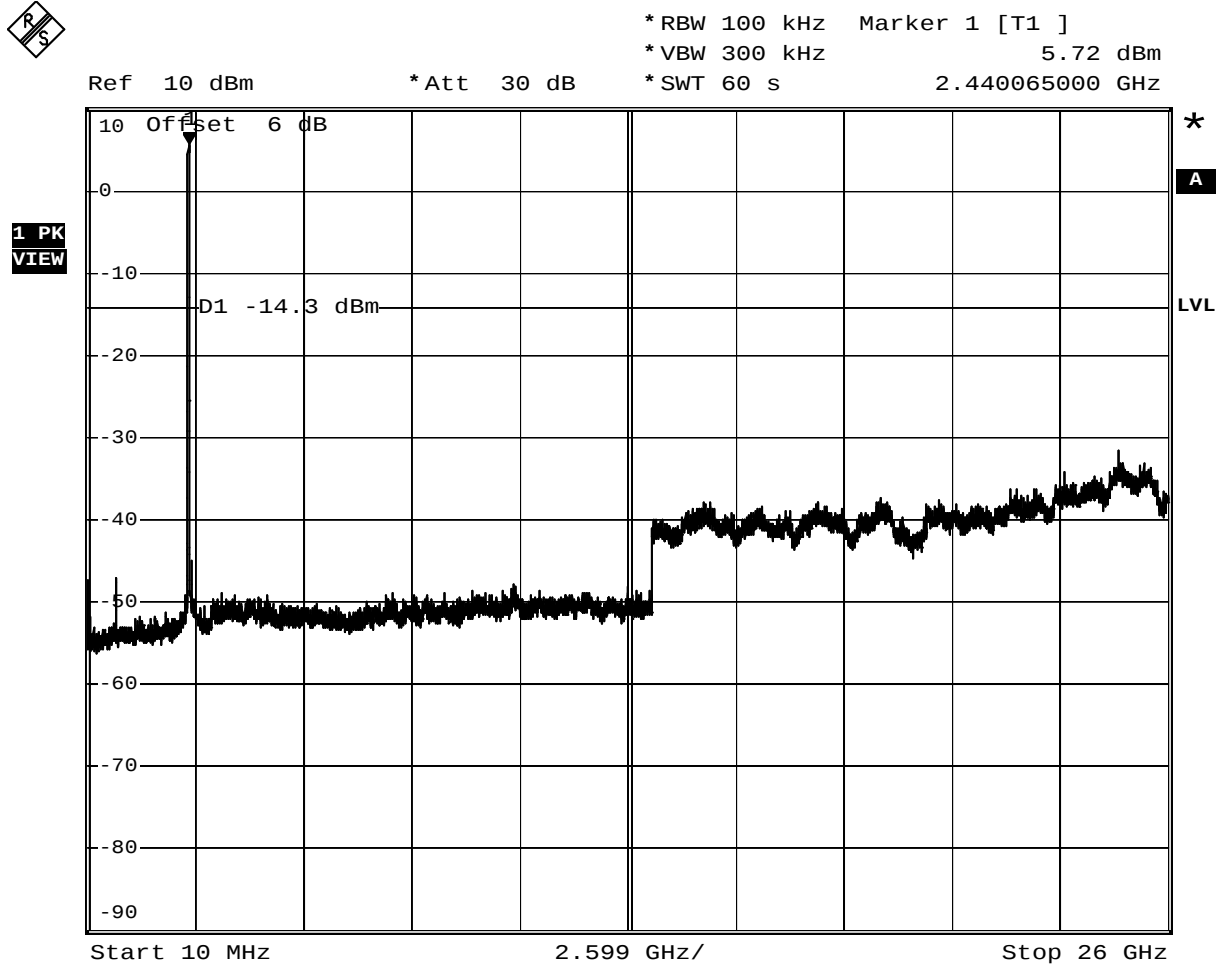
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Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2412 MHz
Comment 3	HT20 / MCS8



Date: 4.AUG.2011 09:18:35

FCC part 15.247 (d) Spurious Emissions

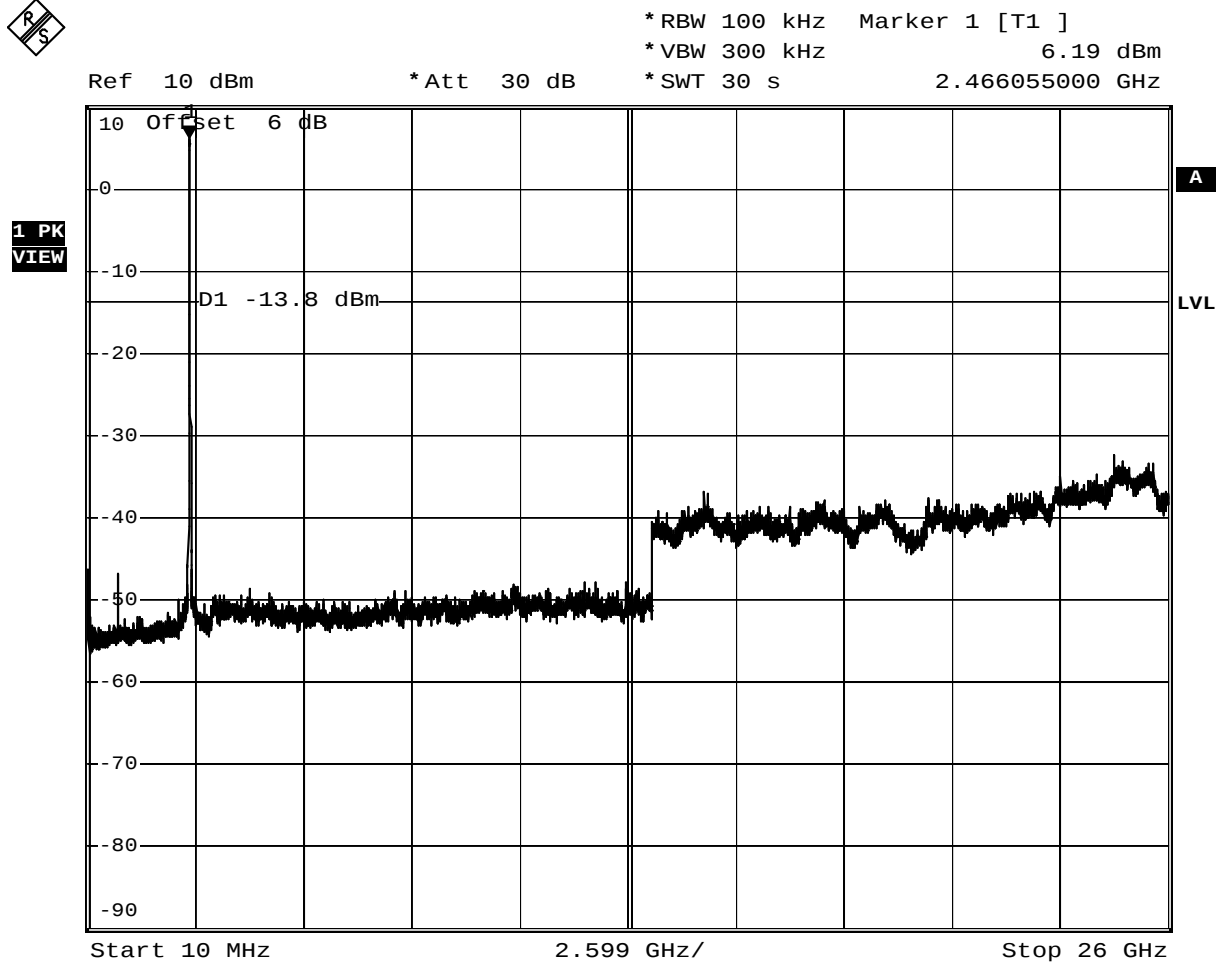
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	HT20 / MCS8



Date: 4.AUG.2011 09:21:36

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

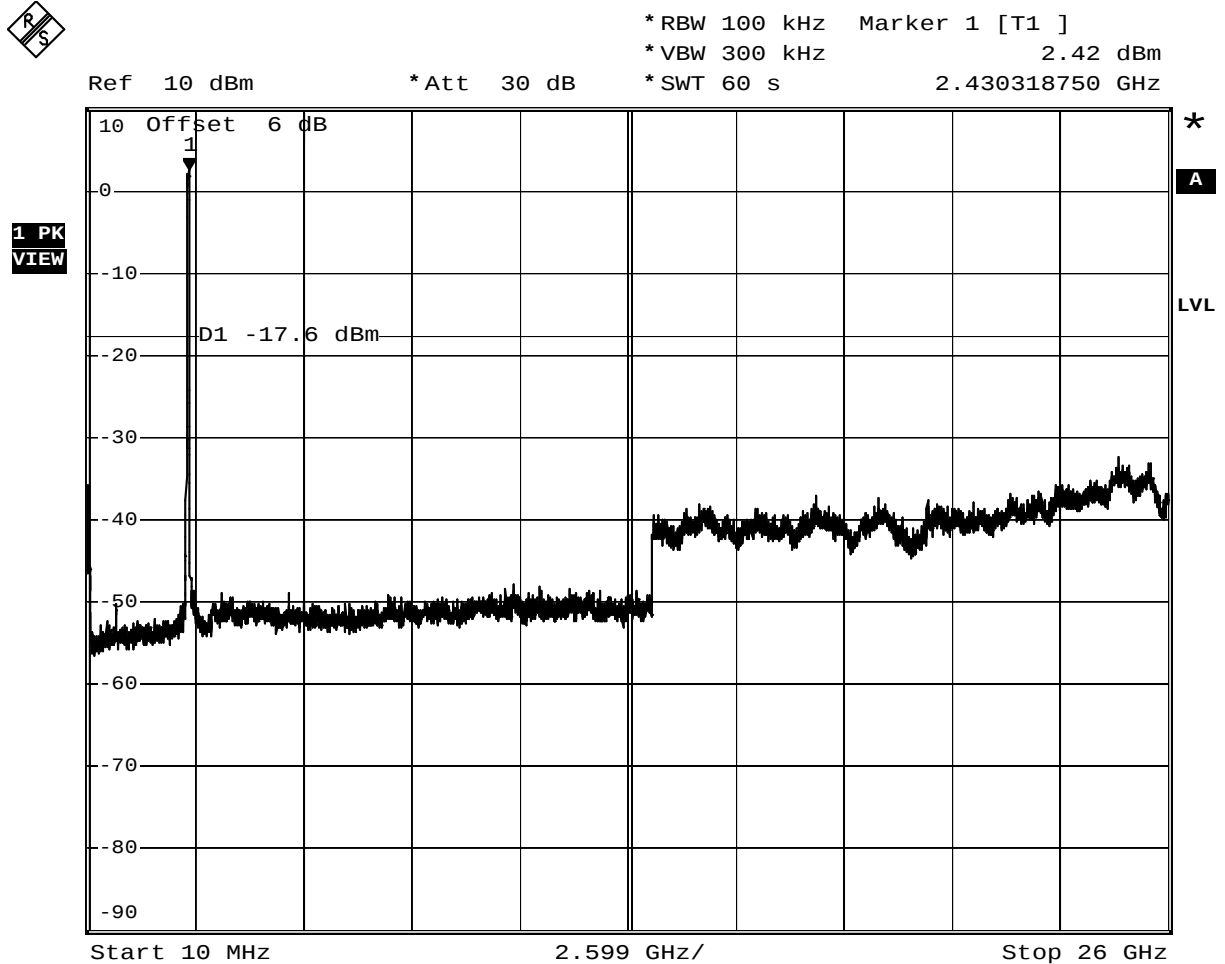
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2462 MHz
Comment 3	HT20 / MCS8



Date: 4.AUG.2011 09:24:08

FCC part 15.247 (d) Spurious Emissions

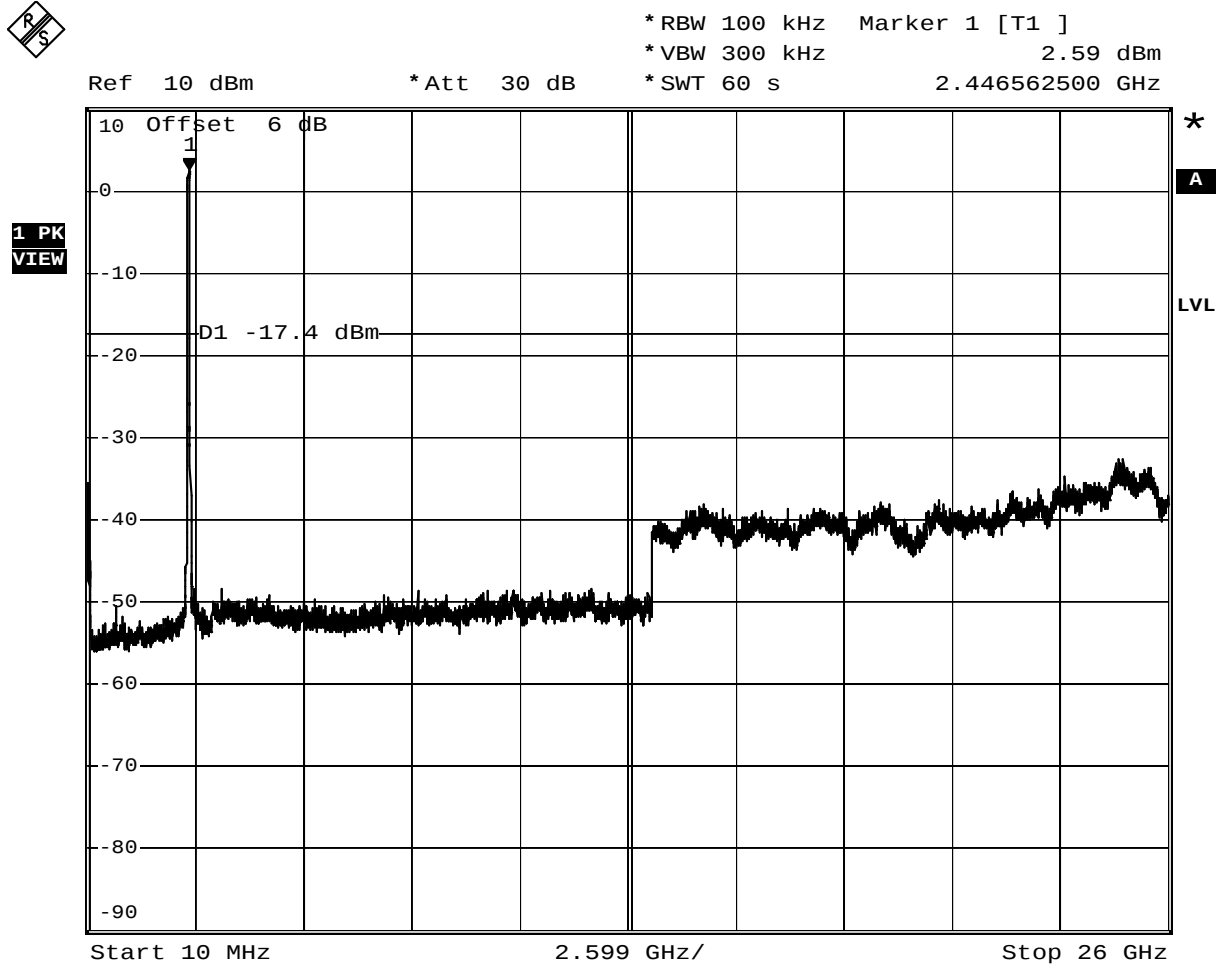
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2422 MHz
Comment 3	HT40 / MCS8



Date: 4.AUG.2011 09:27:15

FCC part 15.247 (d) Spurious Emissions

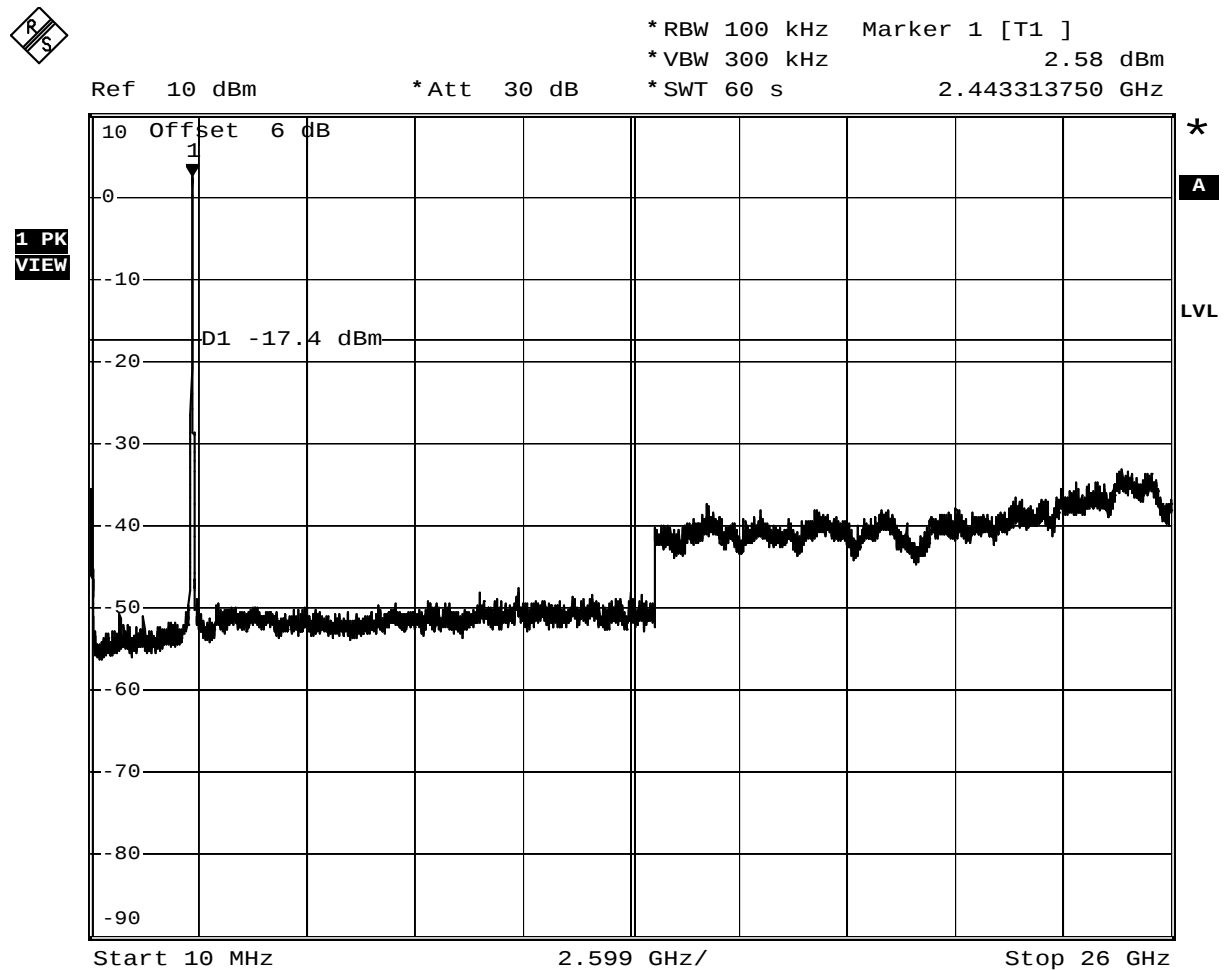
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2437 MHz
Comment 3	HT40 / MCS8



Date: 4.AUG.2011 09:29:31

FCC part 15.247 (d) Spurious Emissions

EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
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 : 2452 MHz
Comment 3	HT40 / MCS8



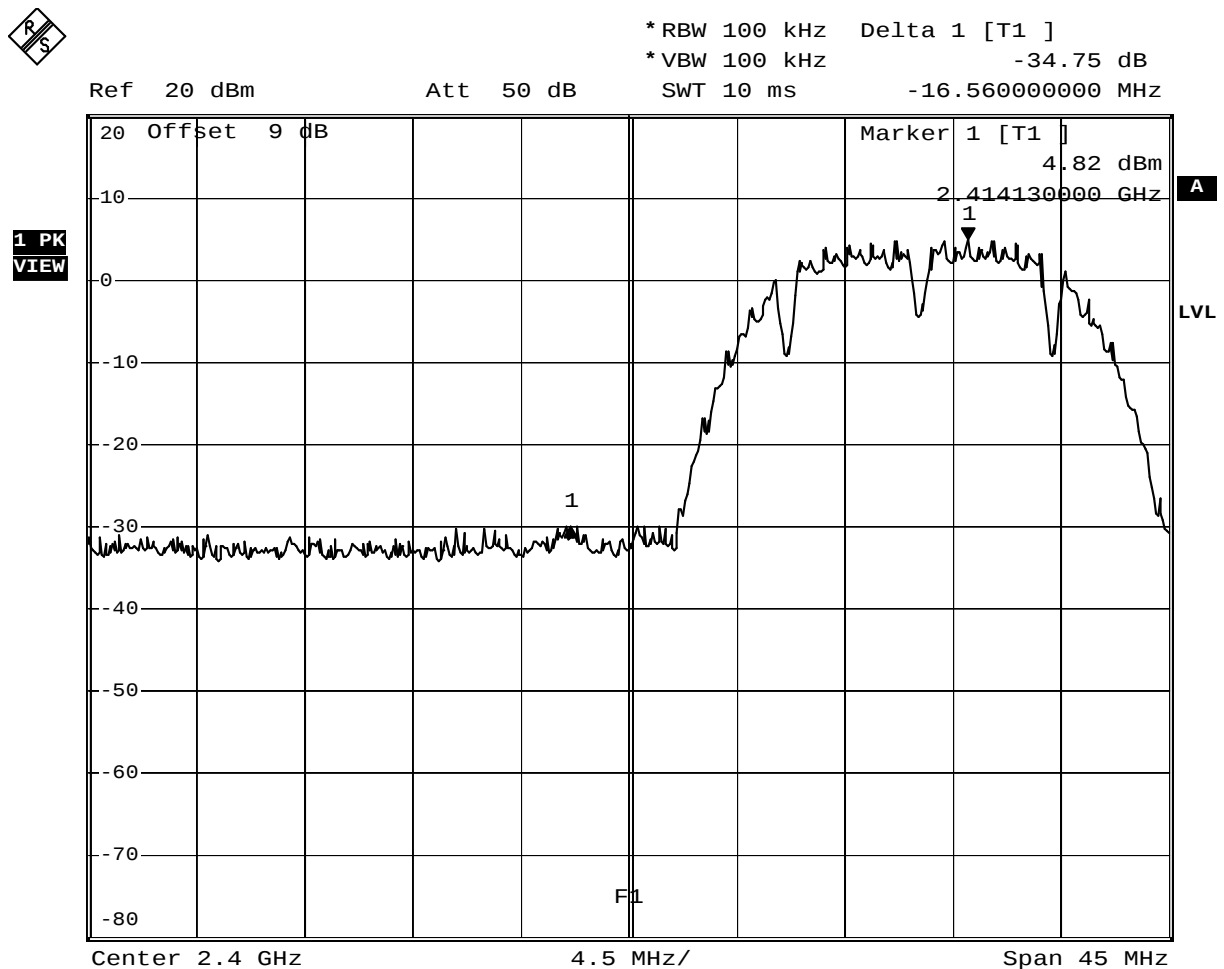
Date: 4.AUG.2011 09:32:24

Annex E Band edge compliance

FCC part 15.247

Band-edge compliance of RF conducted emissions

EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
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	DSSS / 1 MBit/s / power level 17

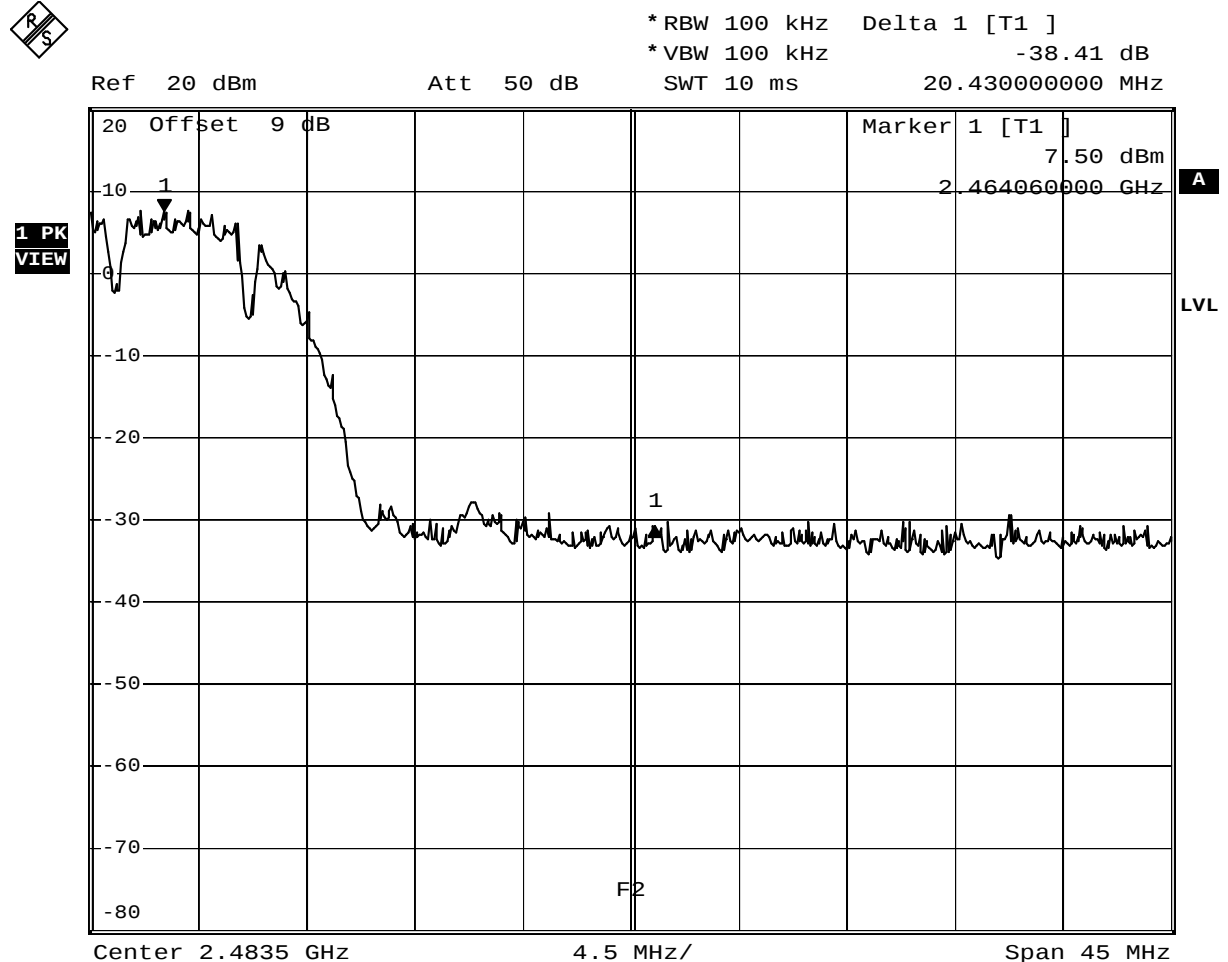


Comment: Limit: Marker Delta value >20 dB; Result: PASS

Date: 4.AUG.2011 10:01:48

FCC part 15.247
Band-edge compliance of RF conducted emissions

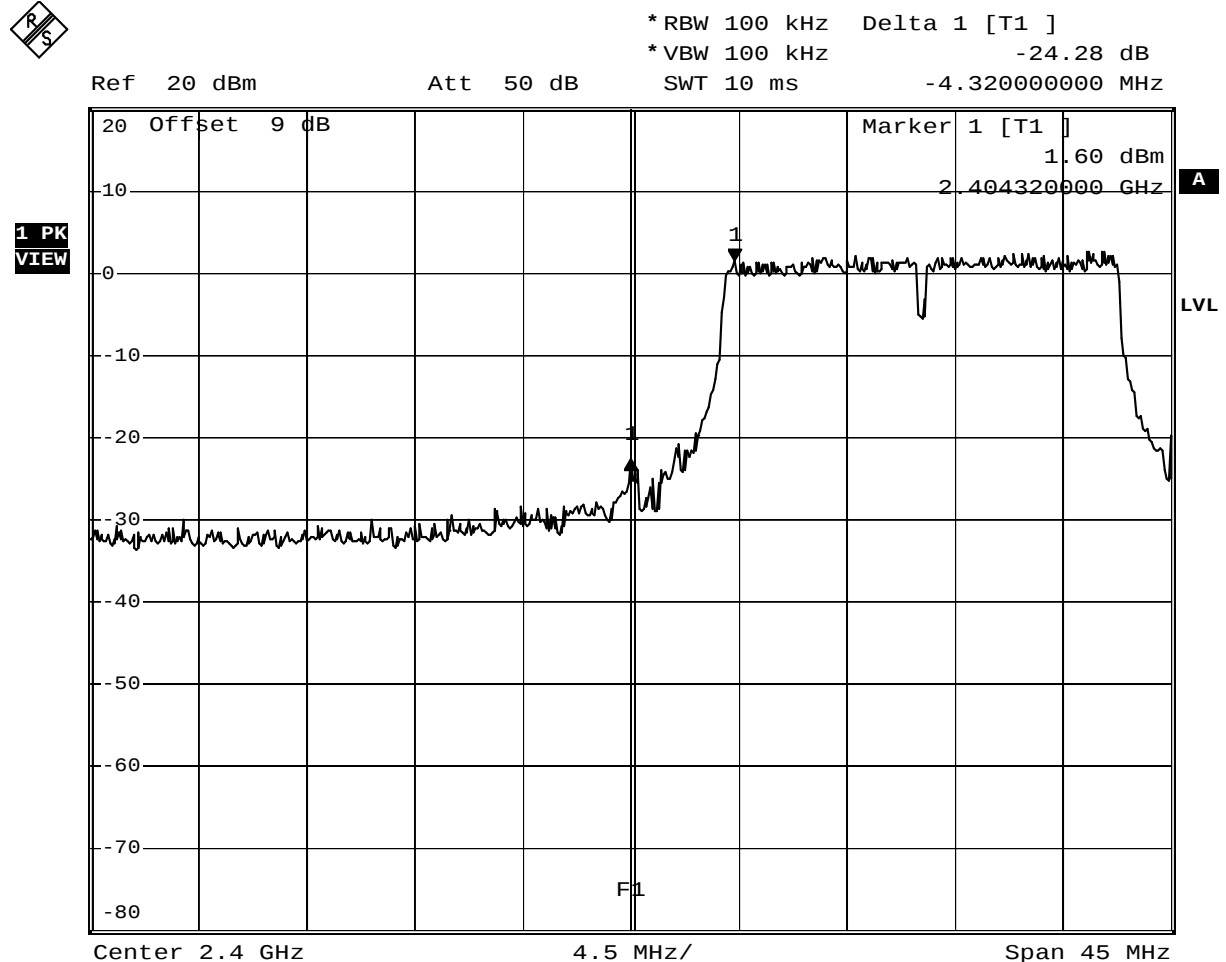
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2462 MHz
Comment 3	DSSS / 1 MBit/s / power level 17



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 4.AUG.2011 10:11:10

FCC part 15.247
Band-edge compliance of RF conducted emissions

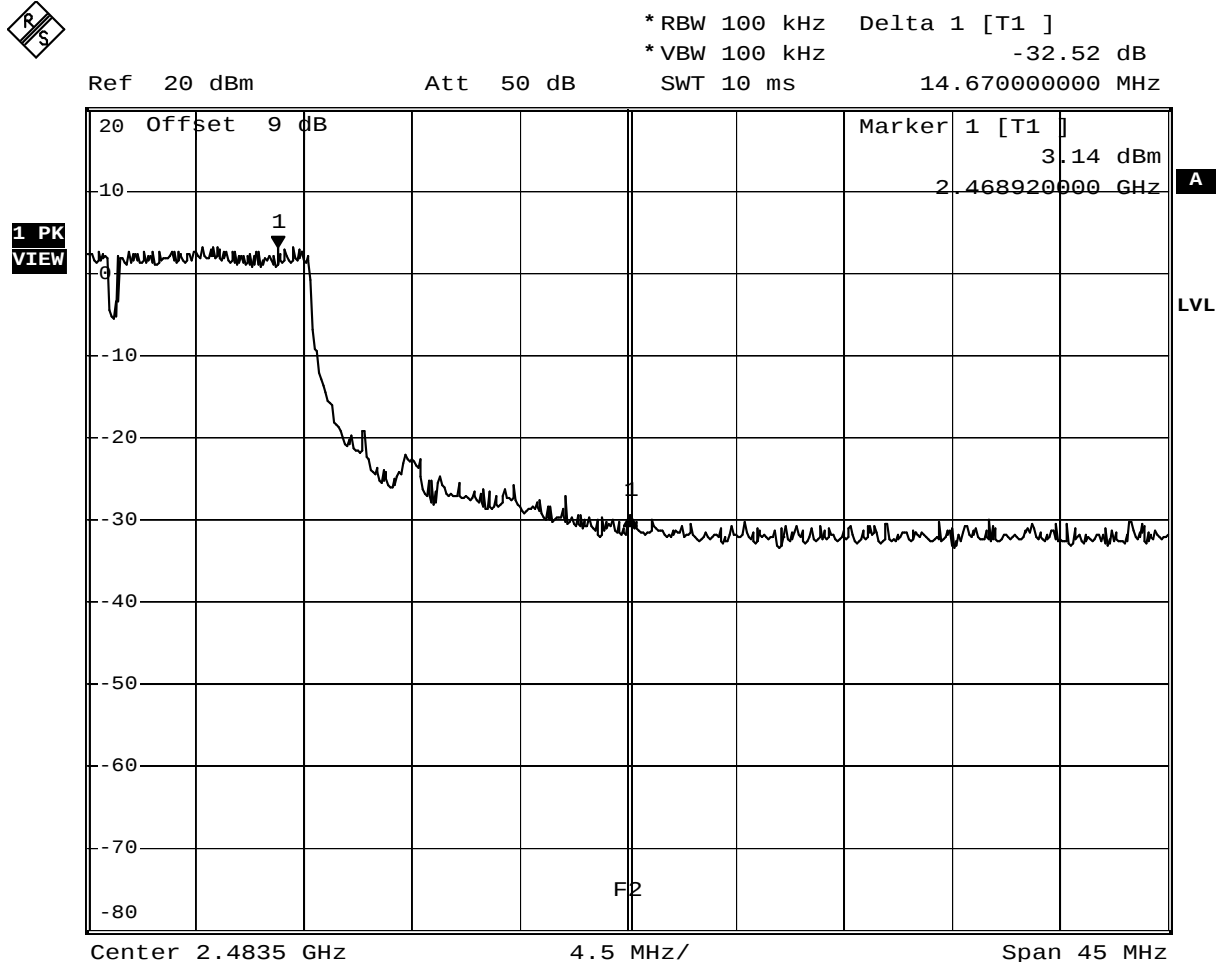
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2412 MHz
Comment 3	OFDM / 6 MBit/s / power level 15



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 4.AUG.2011 09:59:22

FCC part 15.247
Band-edge compliance of RF conducted emissions

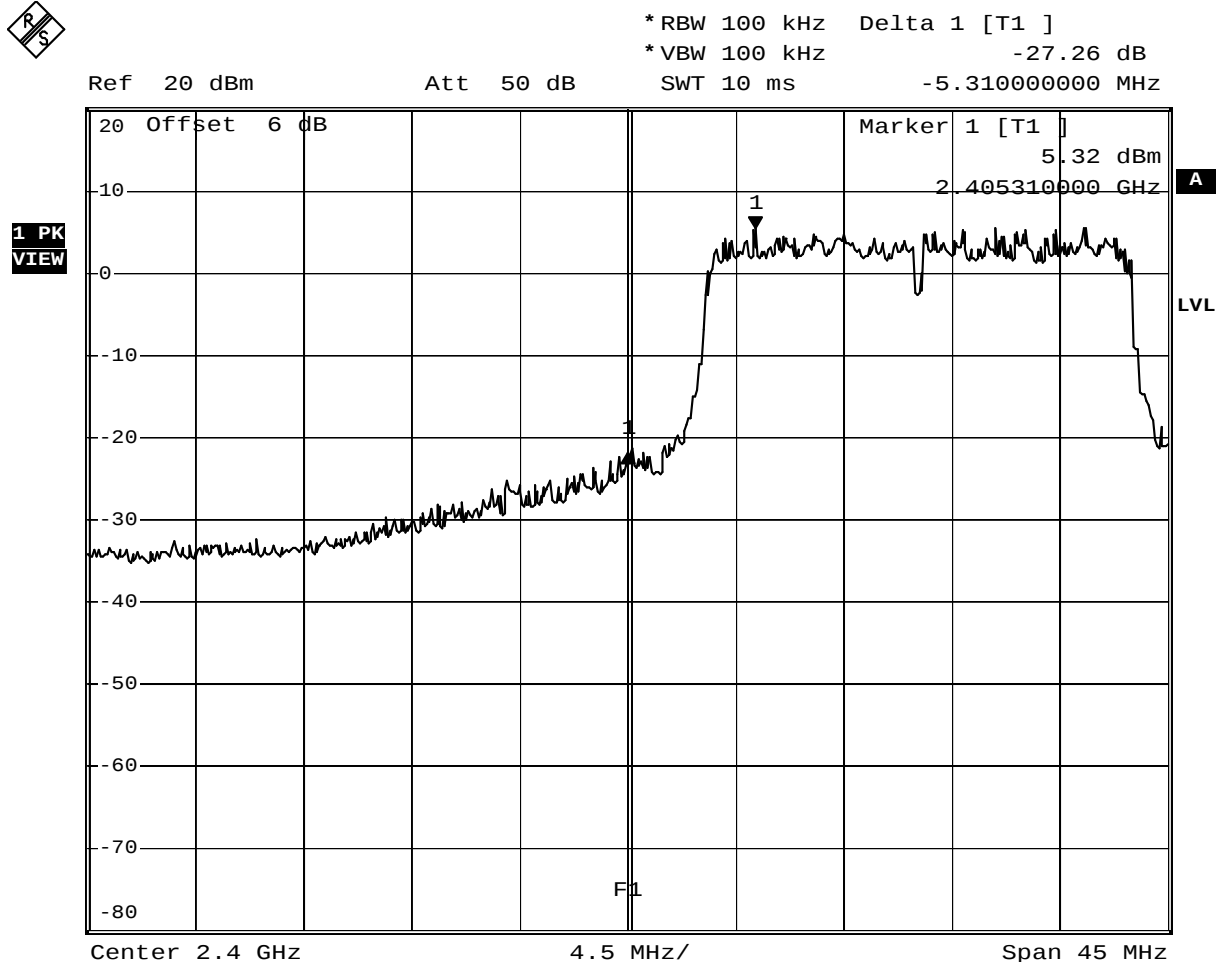
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2462 MHz
Comment 3	OFDM / 6 MBit/s / power level 15



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 4.AUG.2011 09:50:32

FCC part 15.247
Band-edge compliance of RF conducted emissions

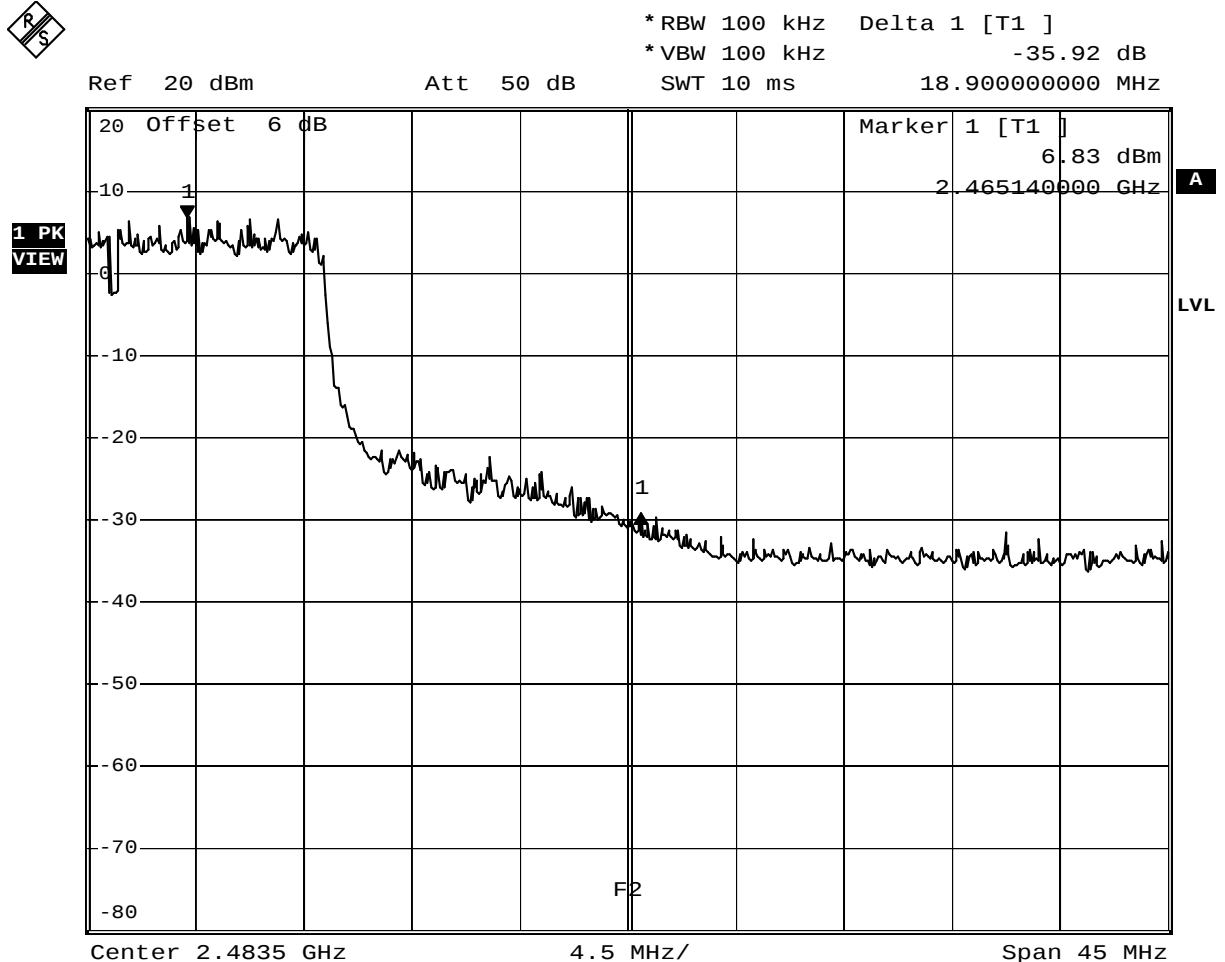
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2412 MHz
Comment 3	H20 / MCS 8 / power level 15



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 4.AUG.2011 09:43:47

FCC part 15.247
Band-edge compliance of RF conducted emissions

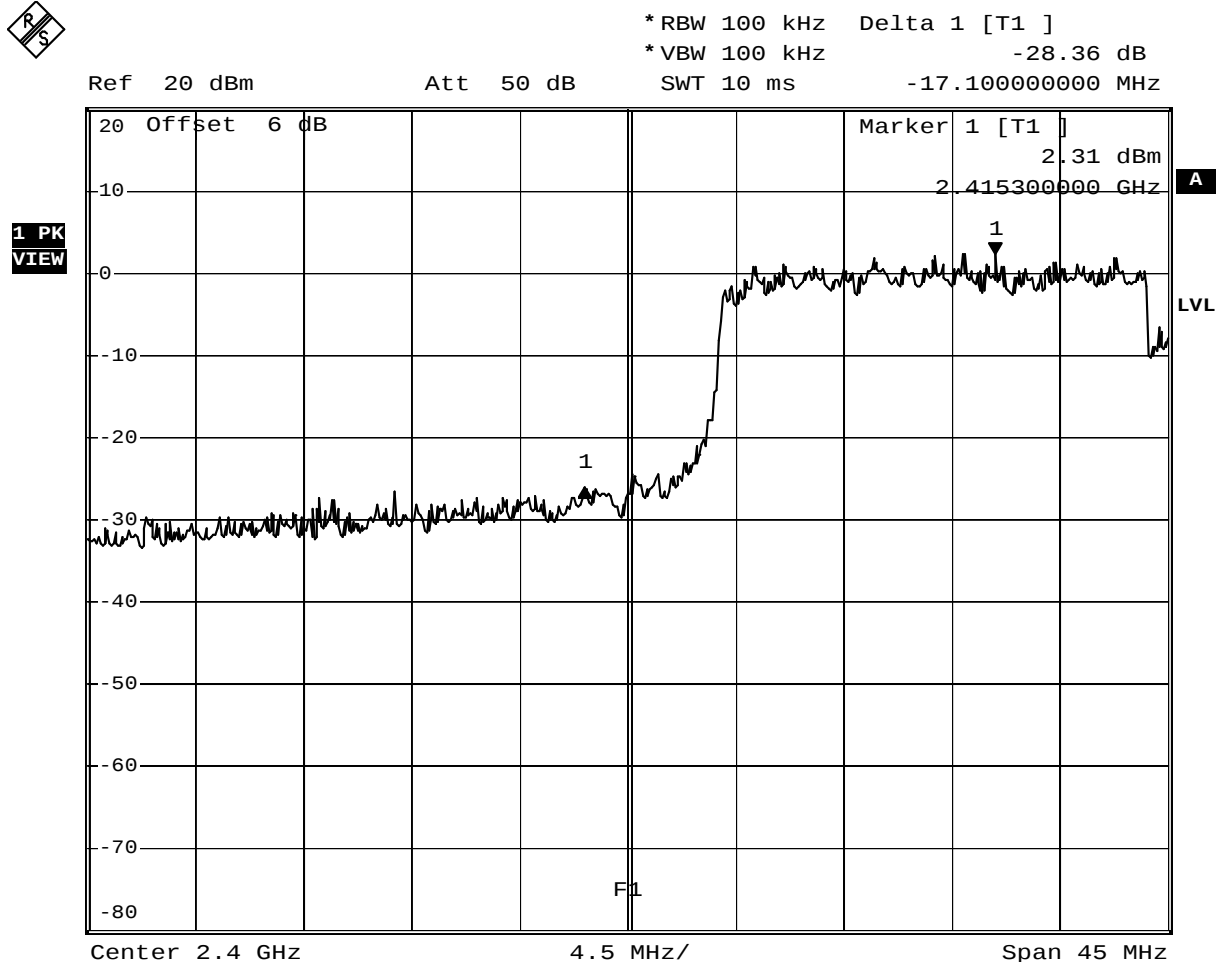
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2462 MHz
Comment 3	H20 / MCS 8 / power level 15



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 4.AUG.2011 09:45:20

FCC part 15.247
Band-edge compliance of RF conducted emissions

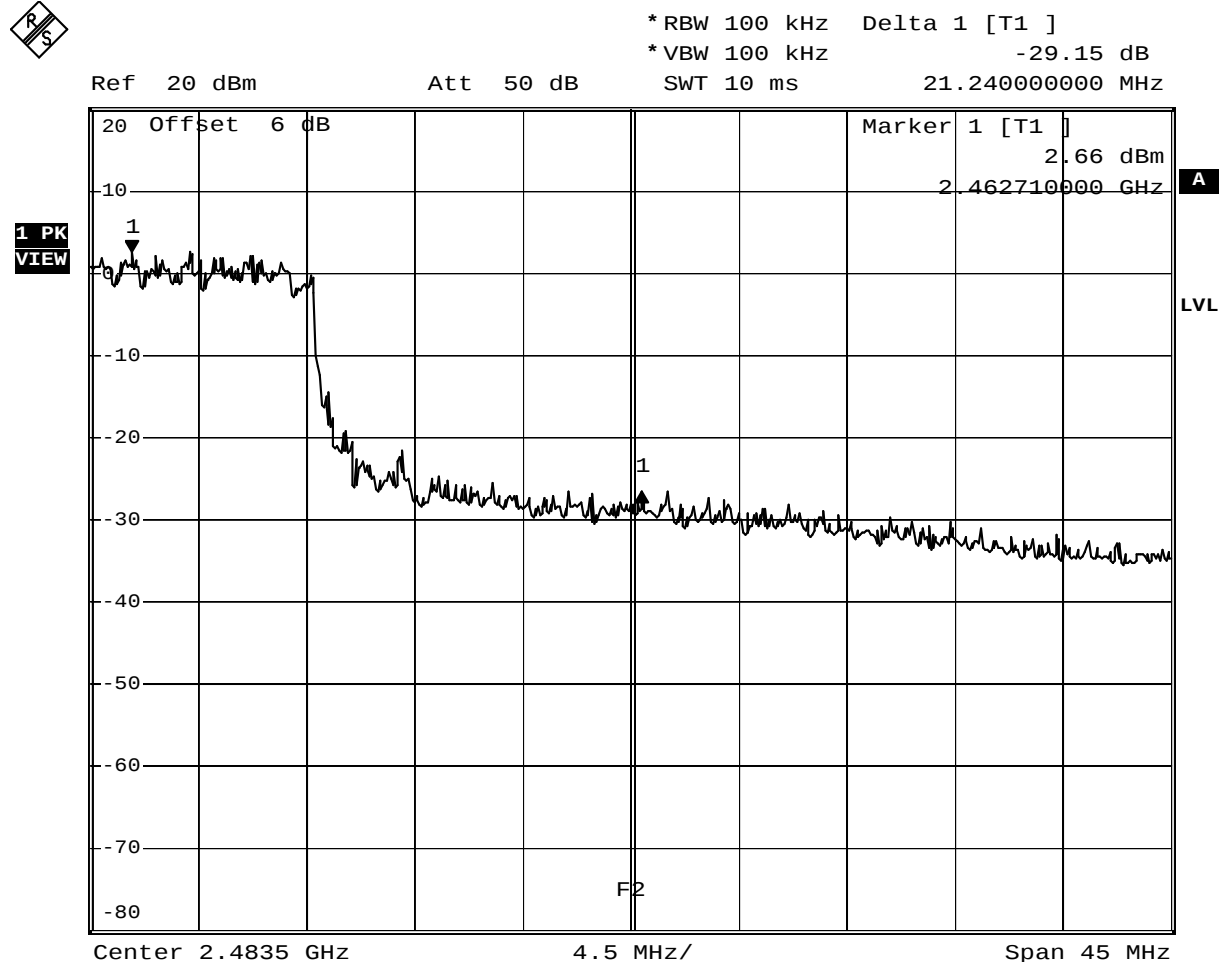
EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
Temperature / Voltage	25°C, Vnom
Test Site / Operator	Eurofins Product Service GmbH, Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 2422 MHz
Comment 3	HT40 / MCS 8 / power level 15



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 4.AUG.2011 09:40:07

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	WLAN Access Point
Model	W1002n
Approval Holder	Funkwerk Enterprise Communications GmbH / Ord.: G0M-1106-1223
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.: 2452 MHz
Comment 3	HT40 / MCS 8 / power level 15



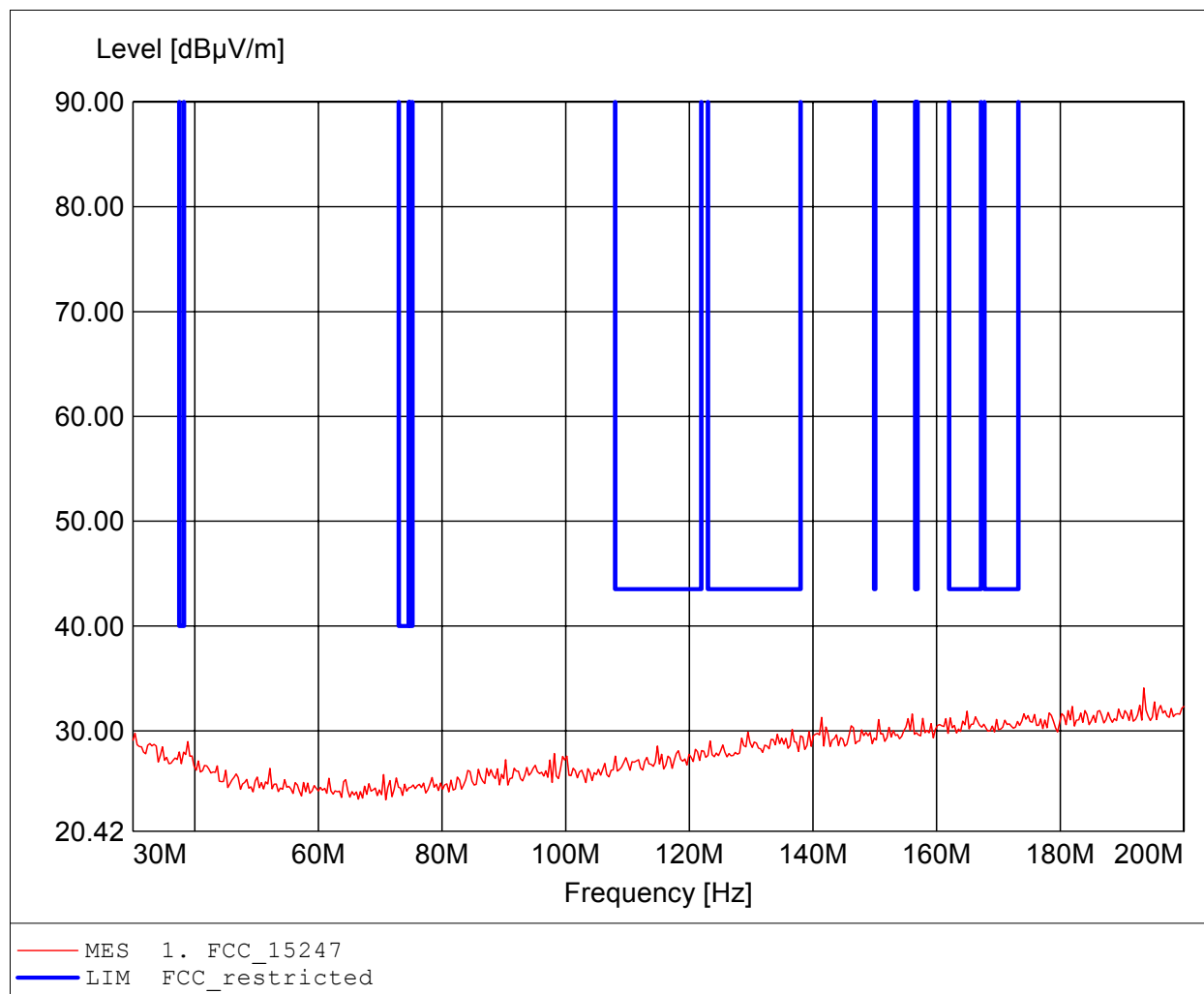
Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 4.AUG.2011 09:37:02

Annex F Transmitter radiated spurious emissions

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

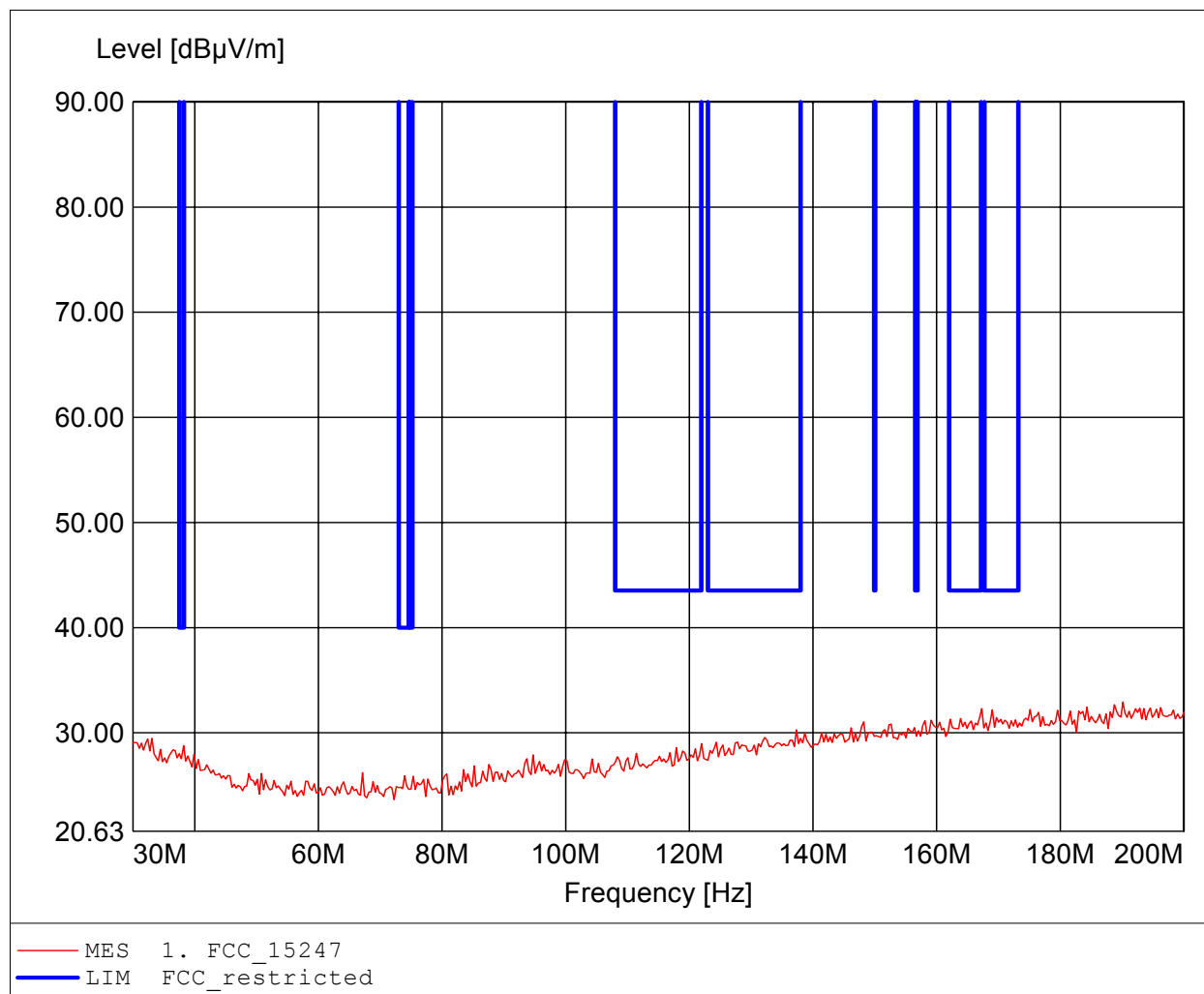
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 193.527MHz, Emax: 34.09dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

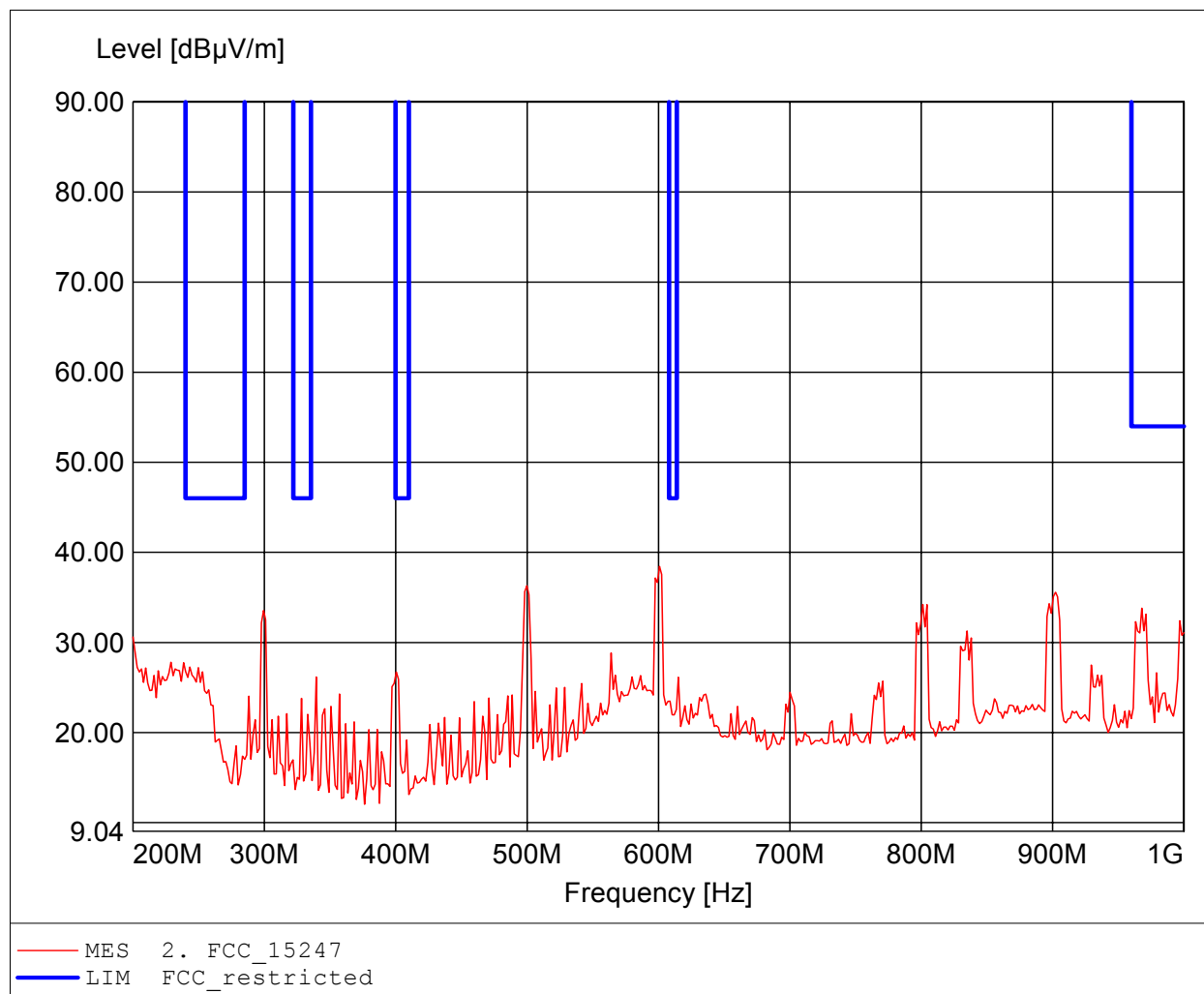
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 190.120MHz, Emax: 32.91dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

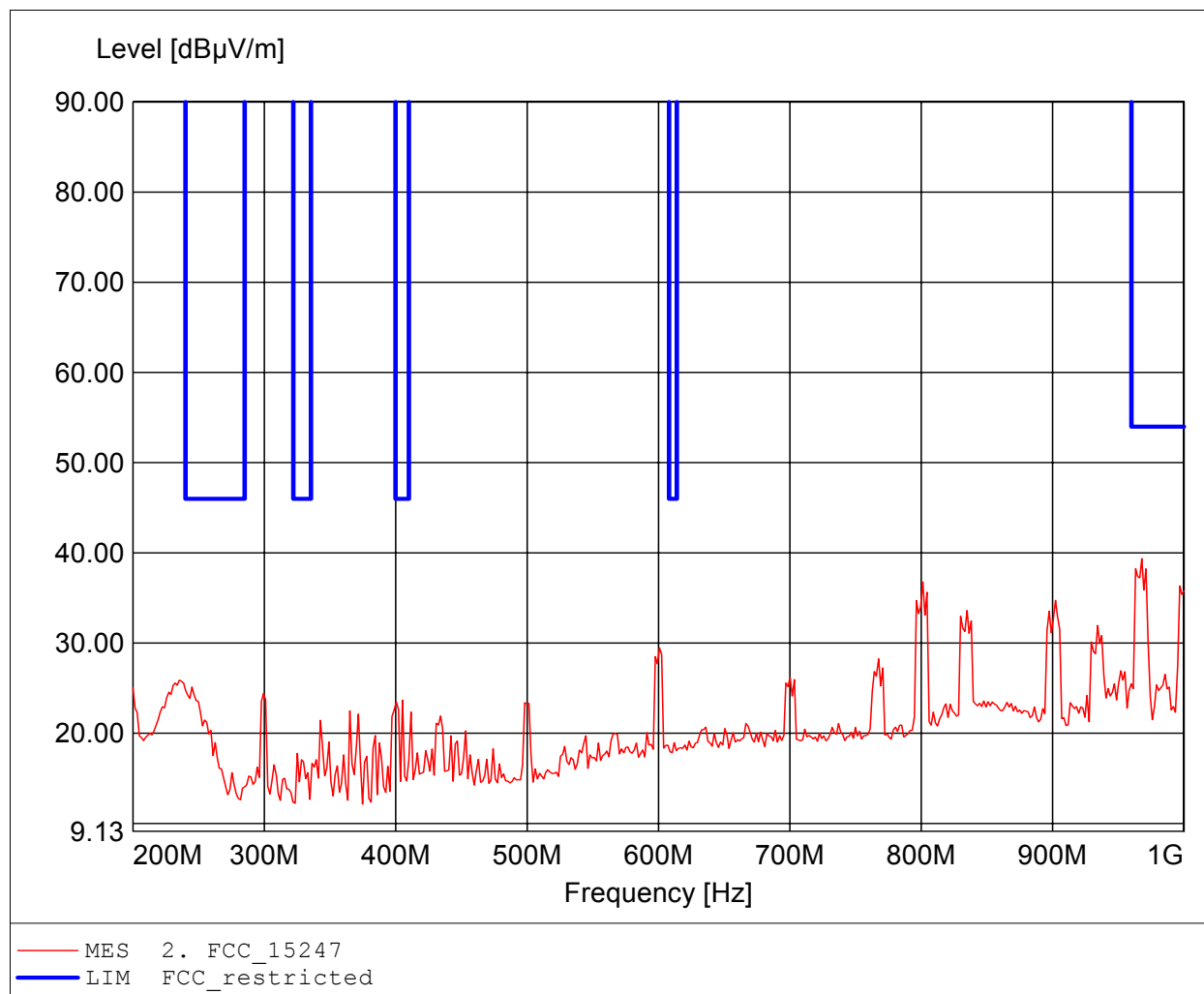
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 600.802MHz, Emax: 38.45dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

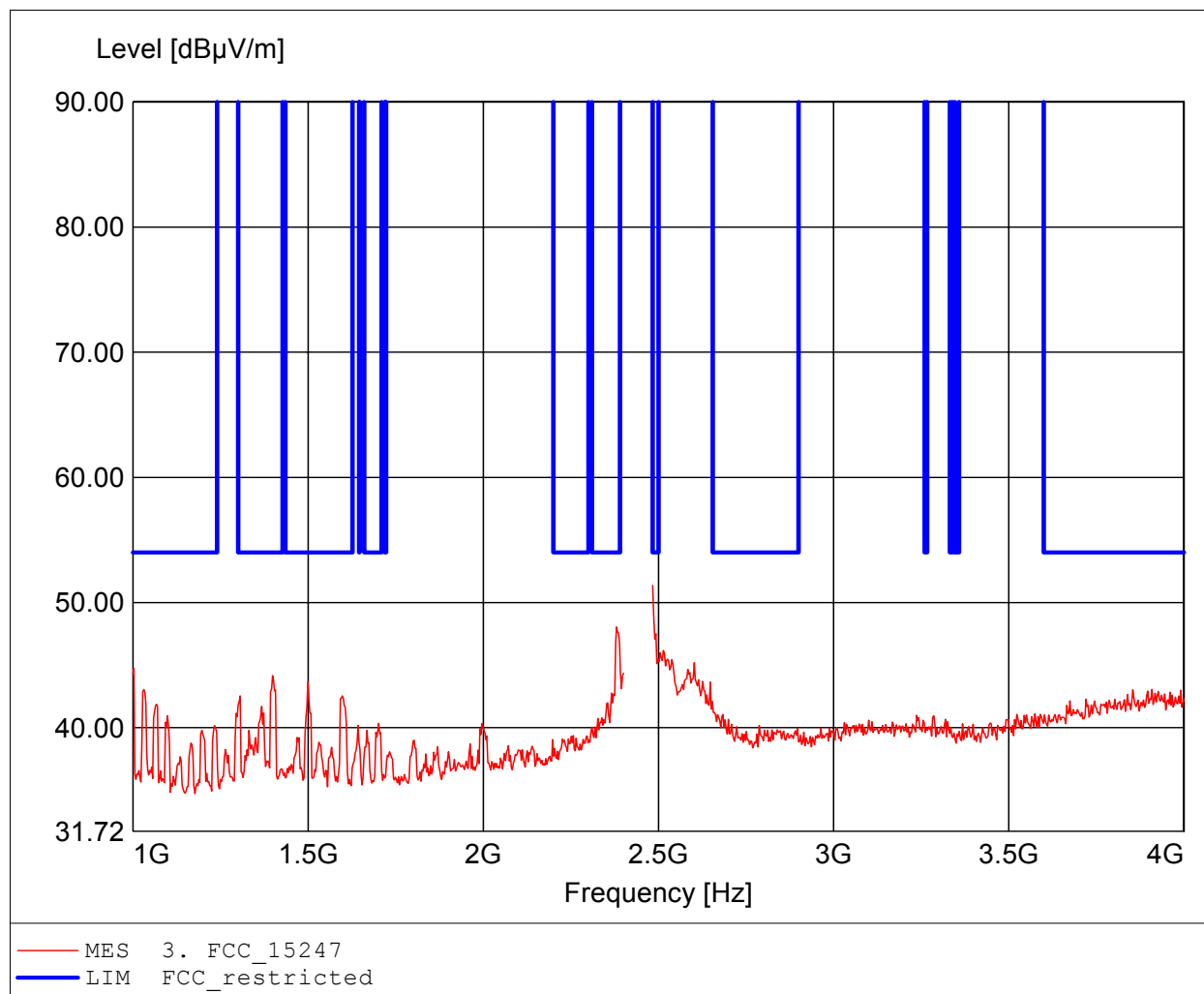
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 967.936MHz, Emax: 39.36dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

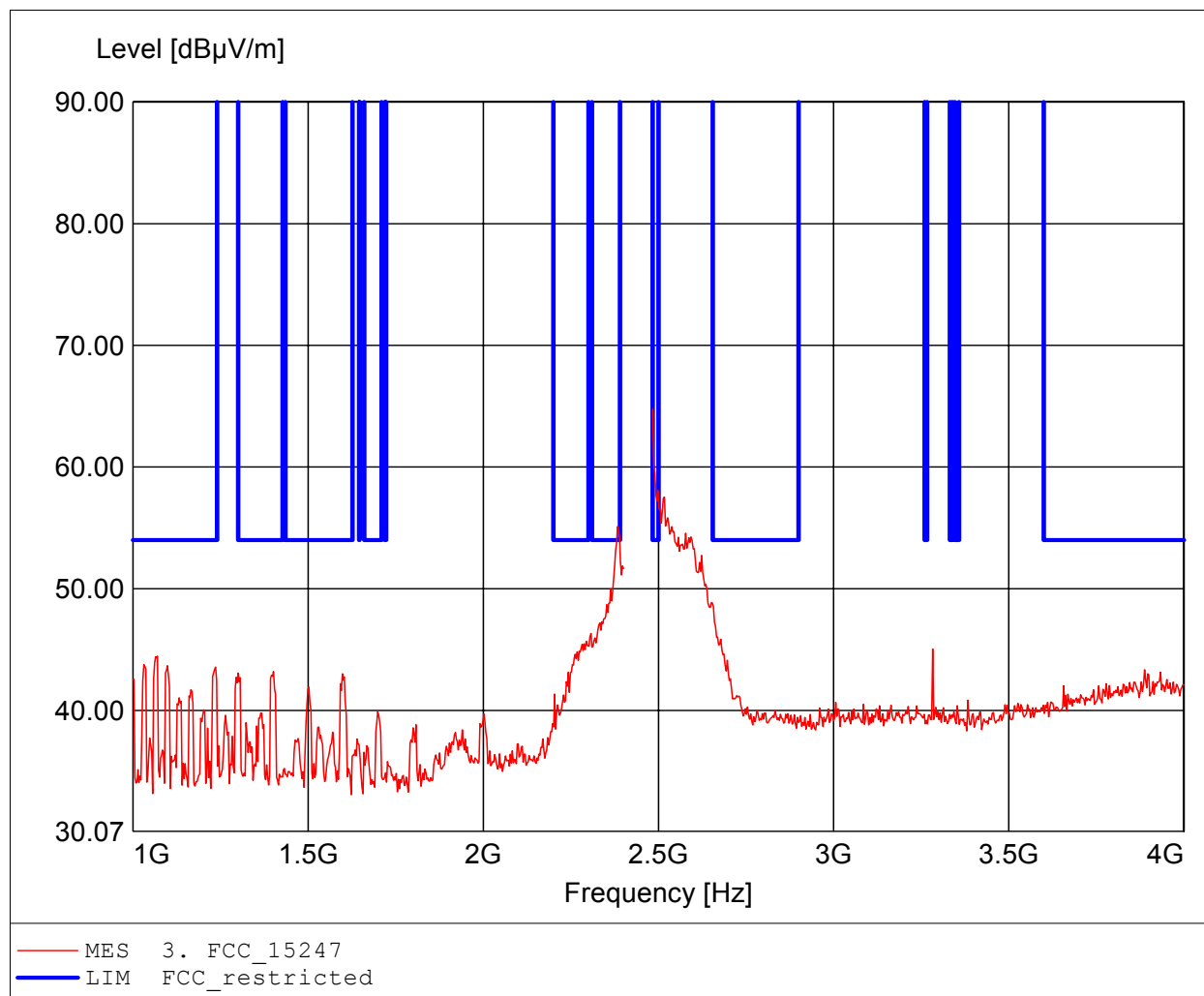
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 51.36dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

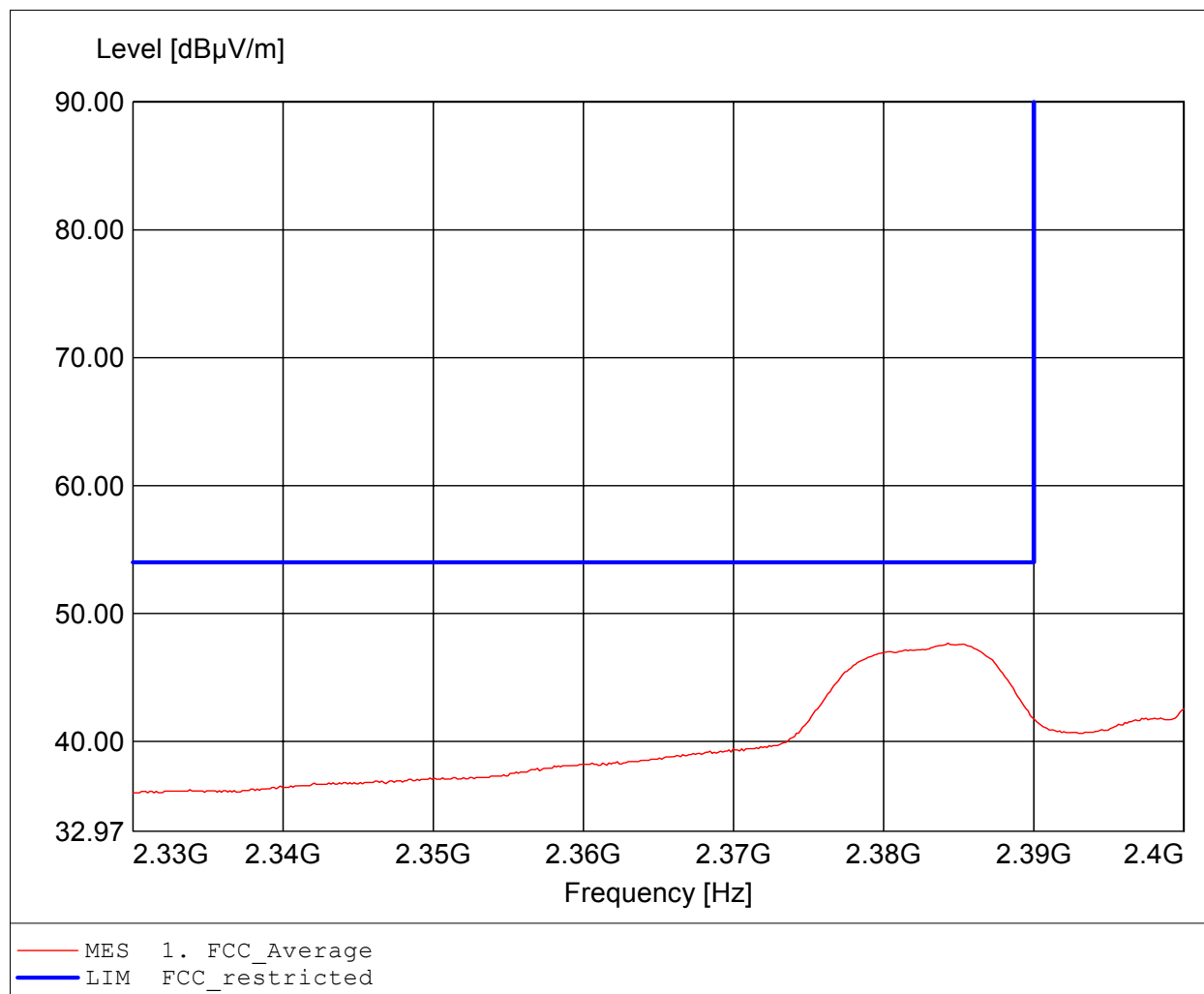
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 64.75dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

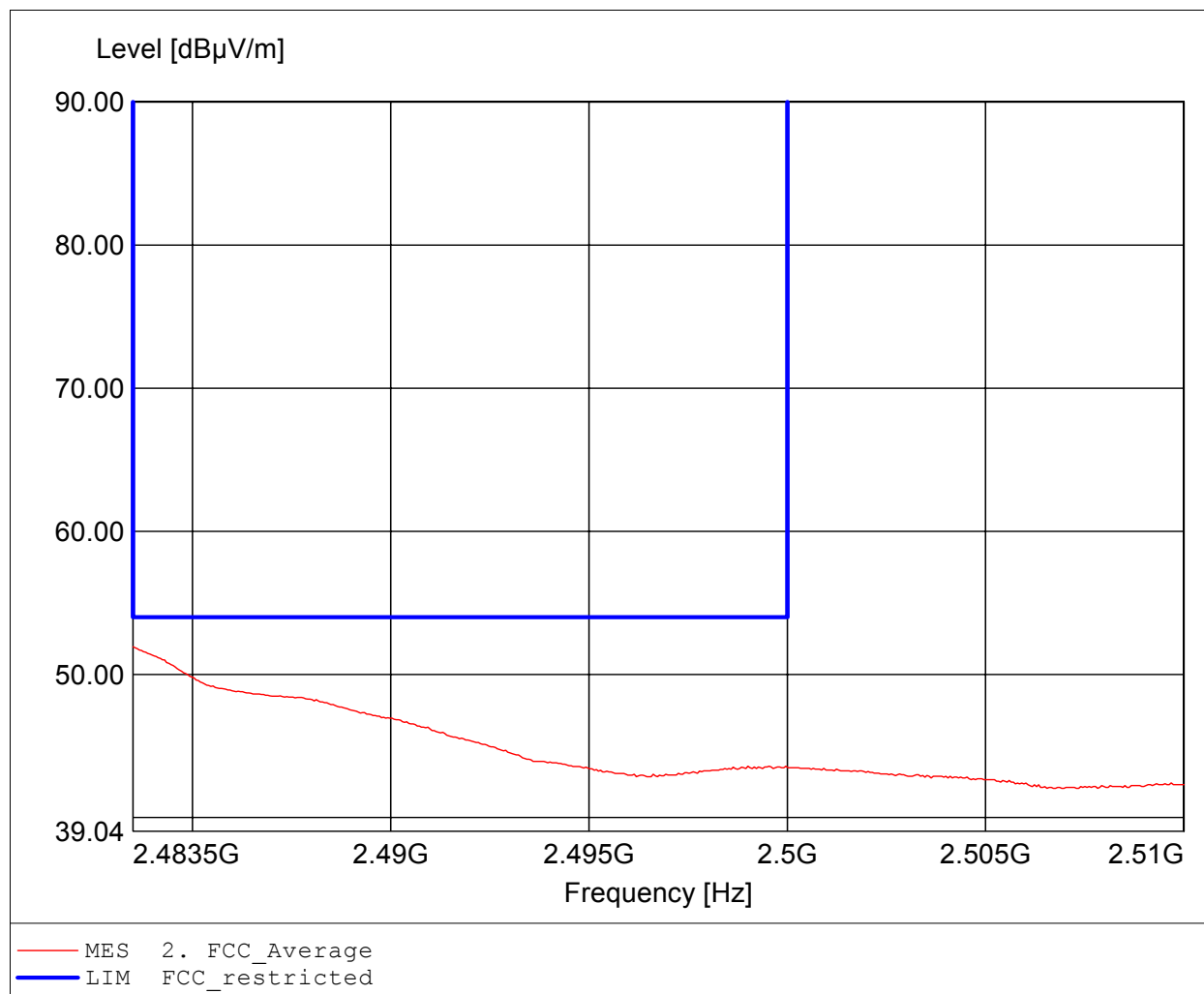
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.384GHz, Emax: 47.69dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

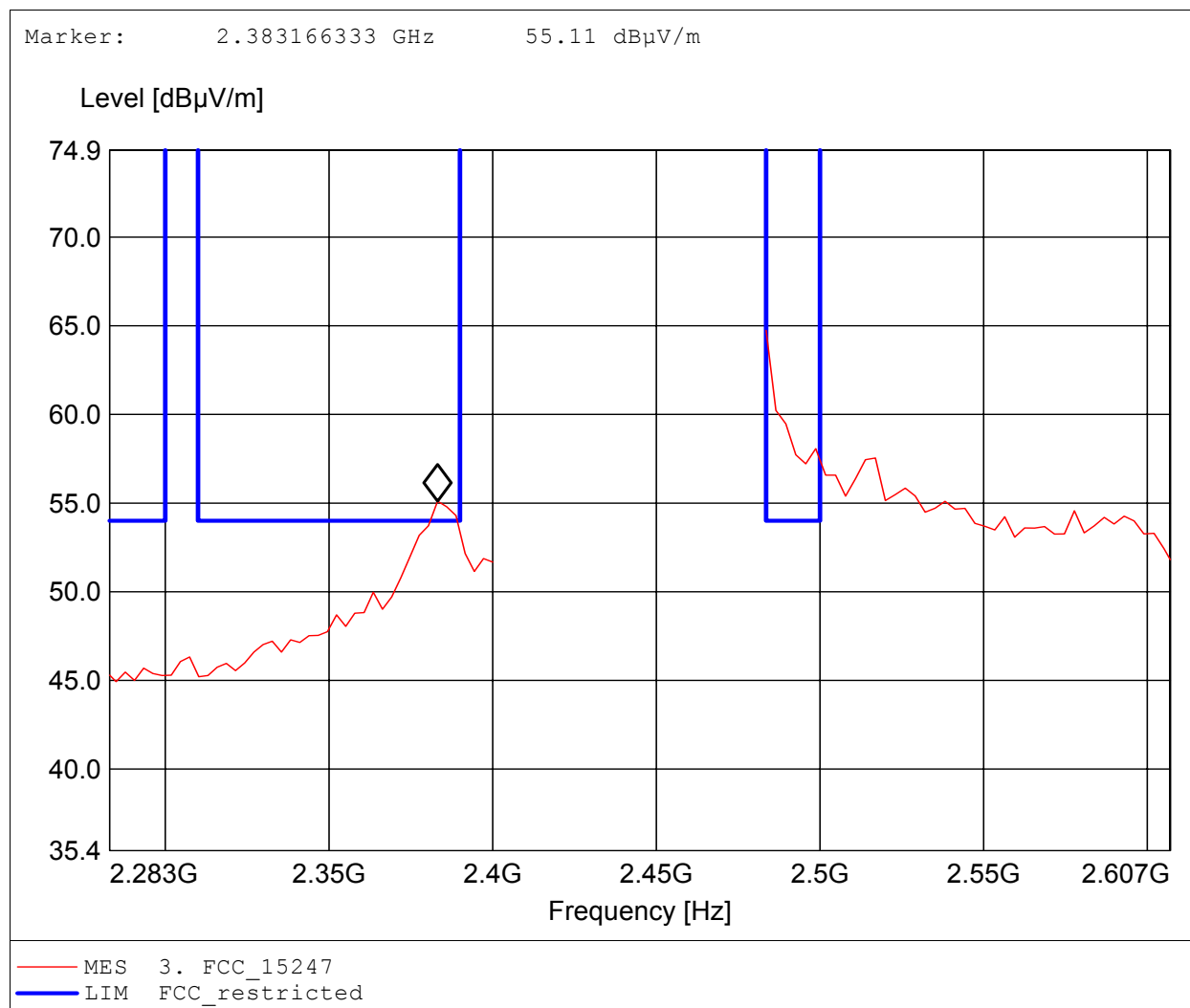
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 51.92dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

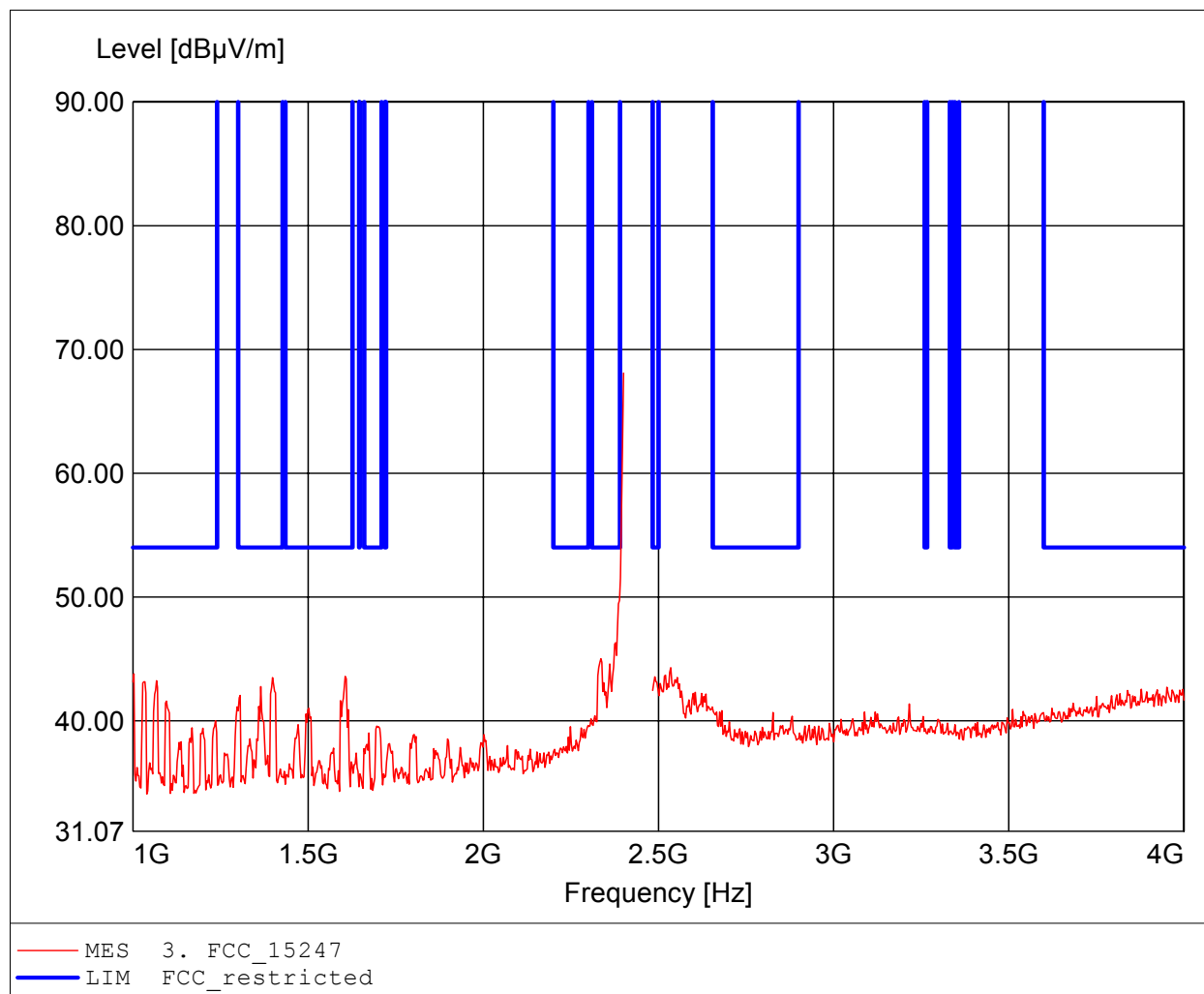
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 64.75dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

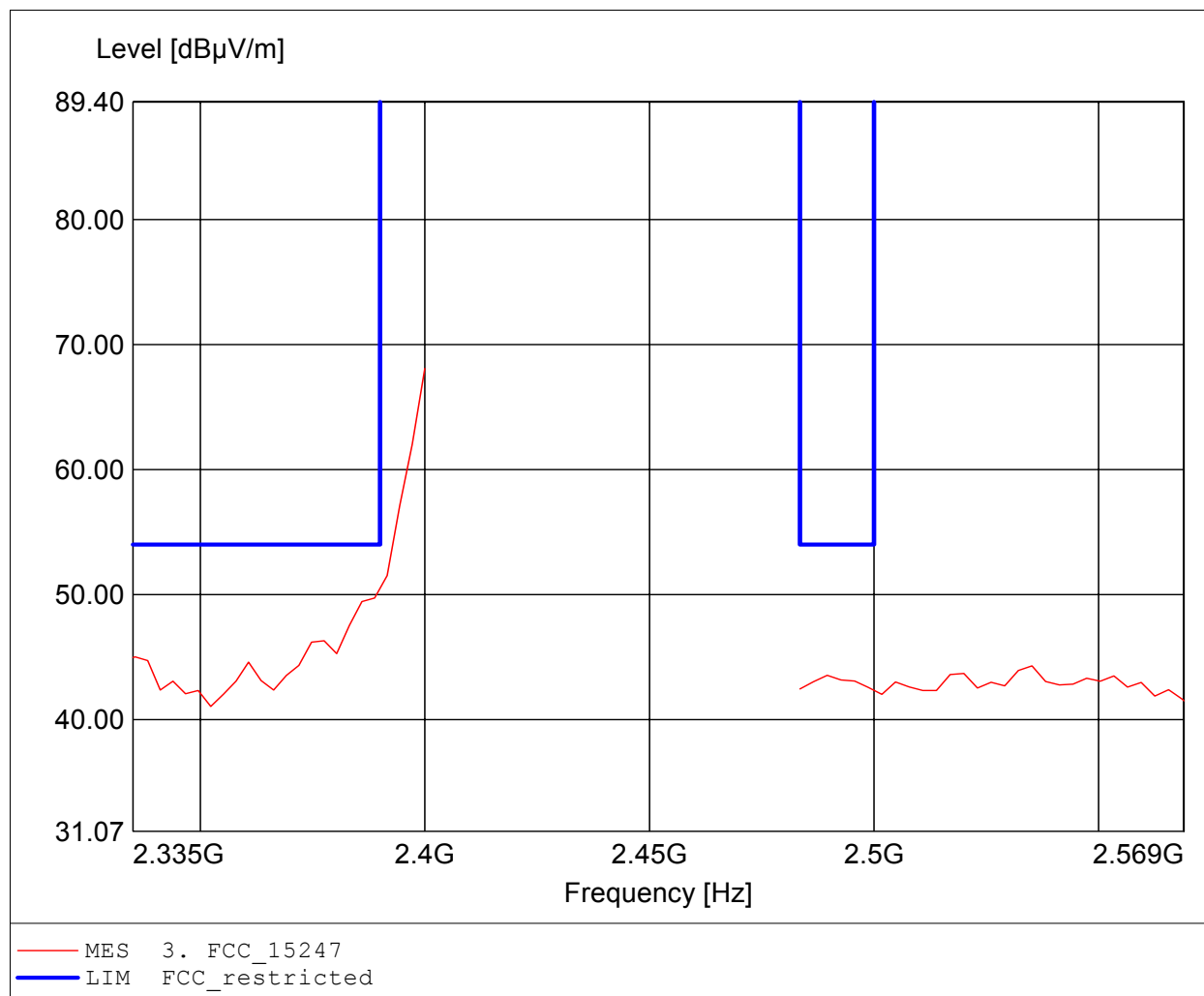
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 68.09dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

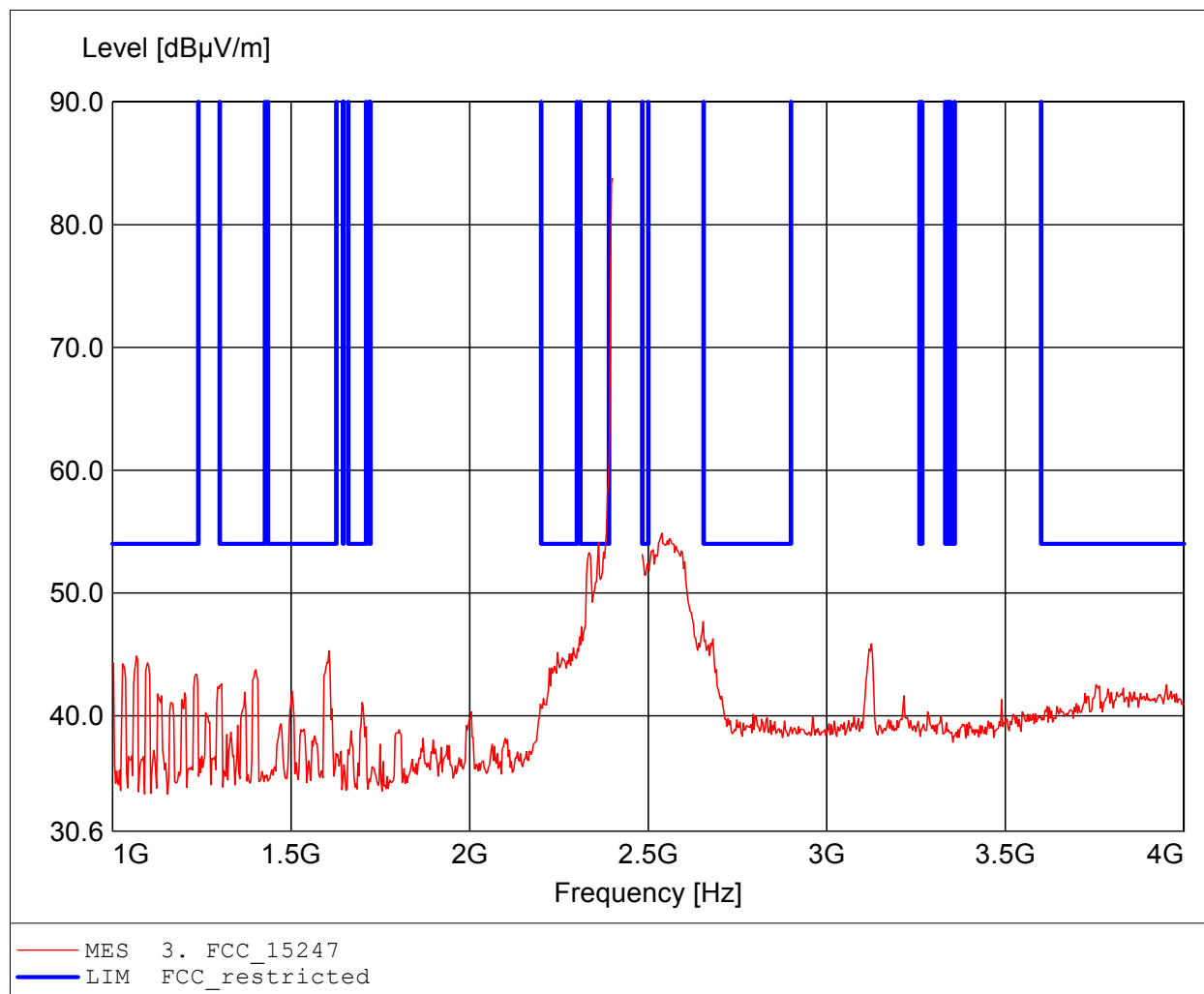
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 68.09dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

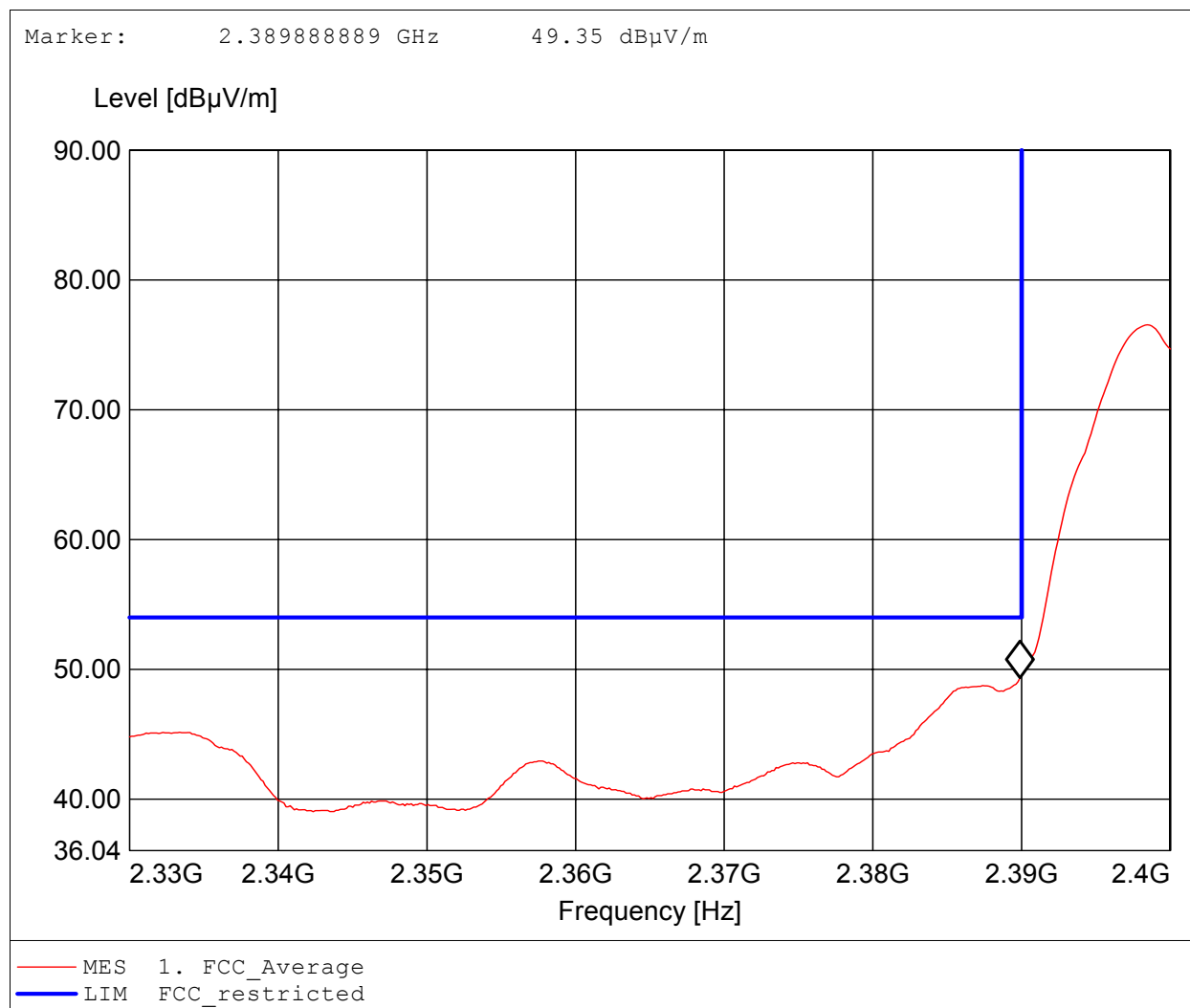
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 83.77dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

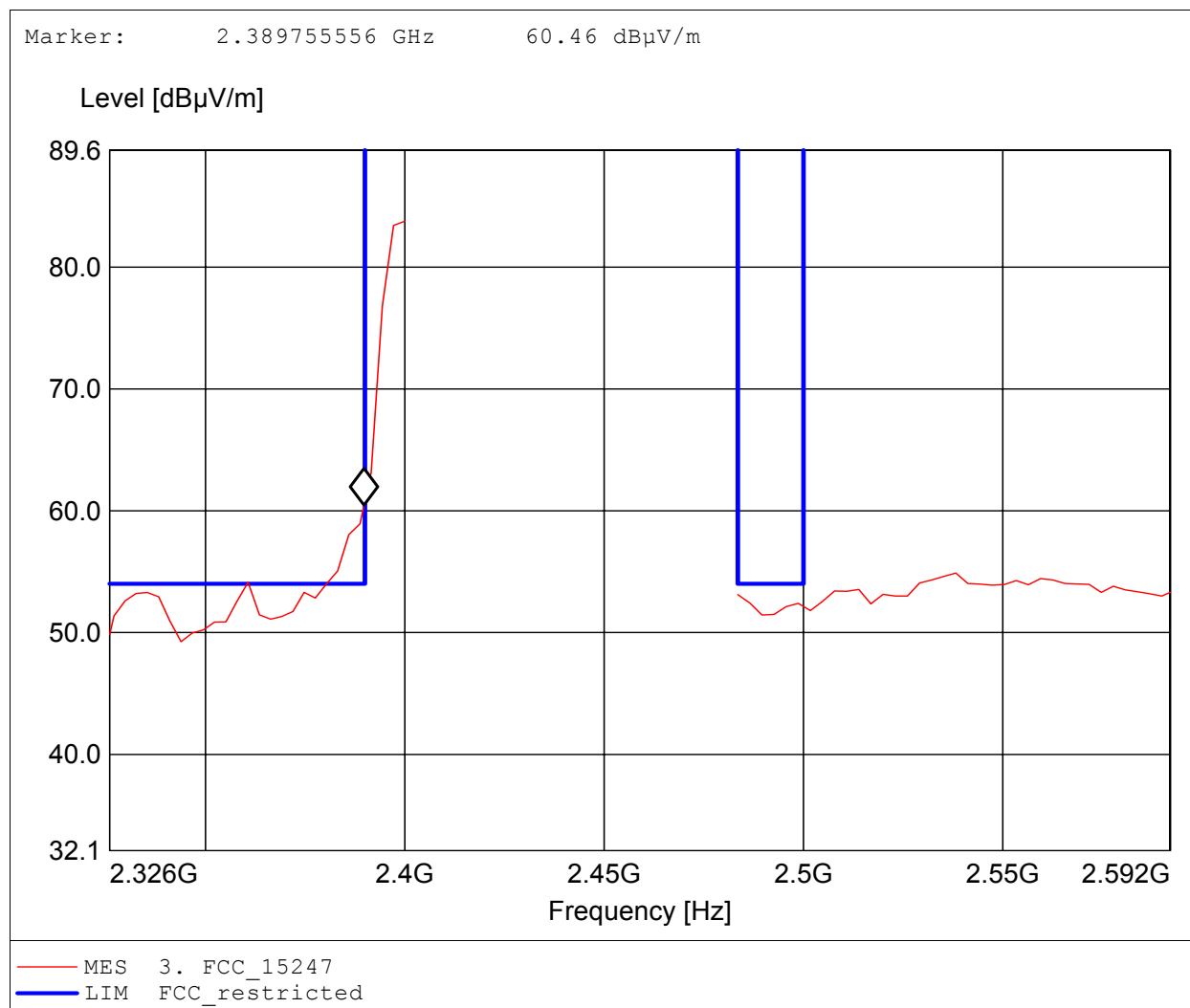
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.398GHz, Emax: 76.55dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

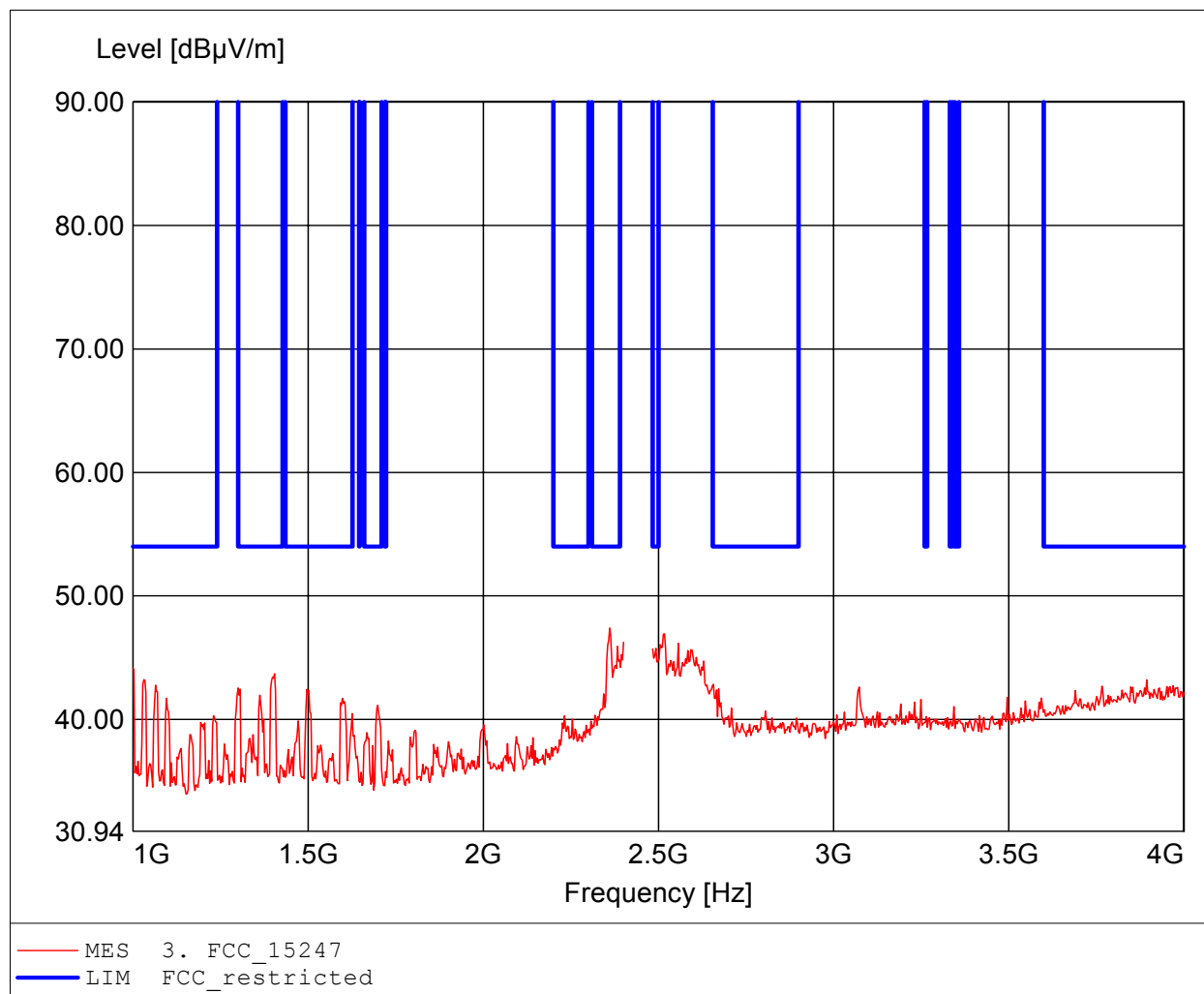
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 83.77dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

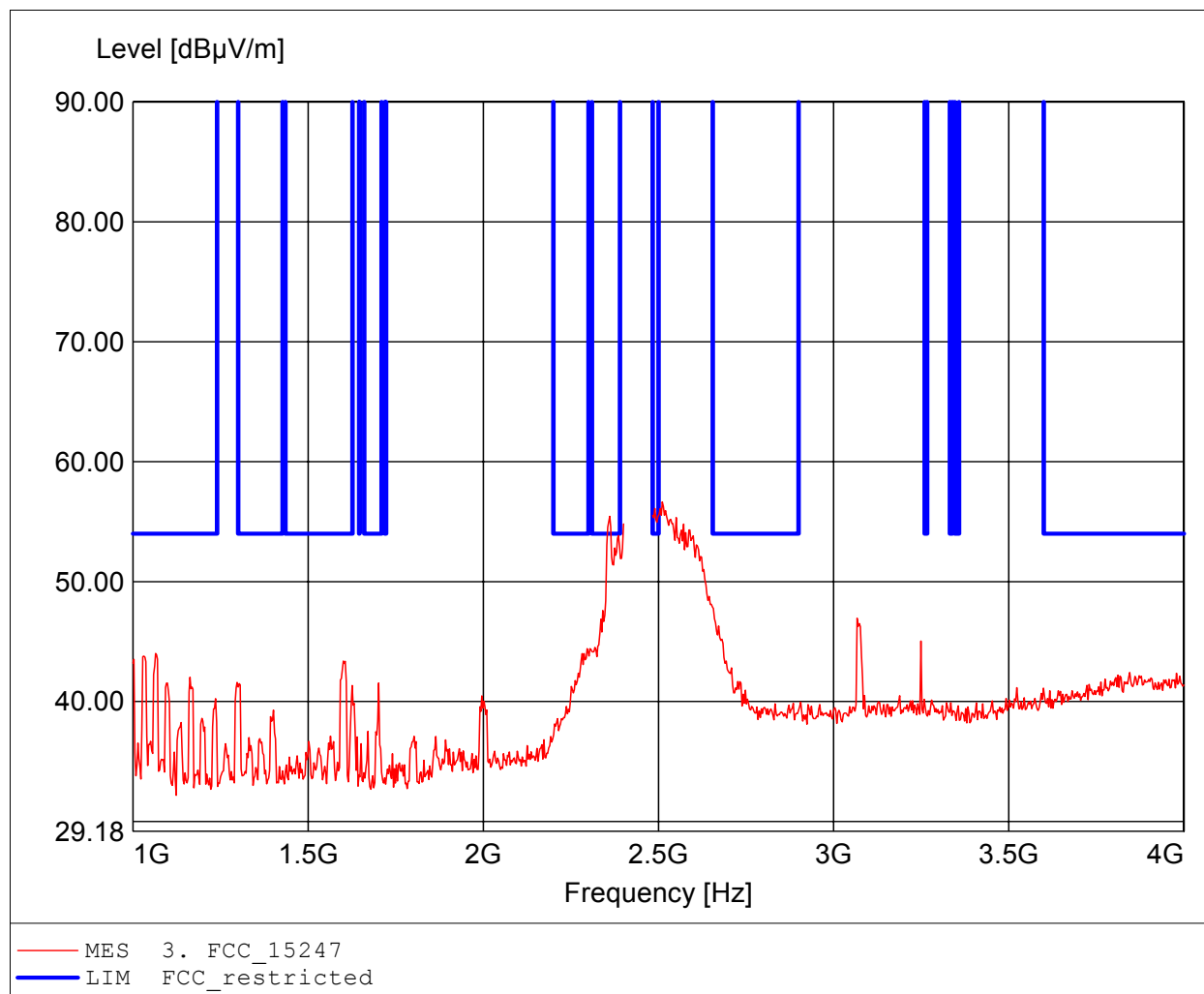
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.361GHz, Emax: 47.39dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

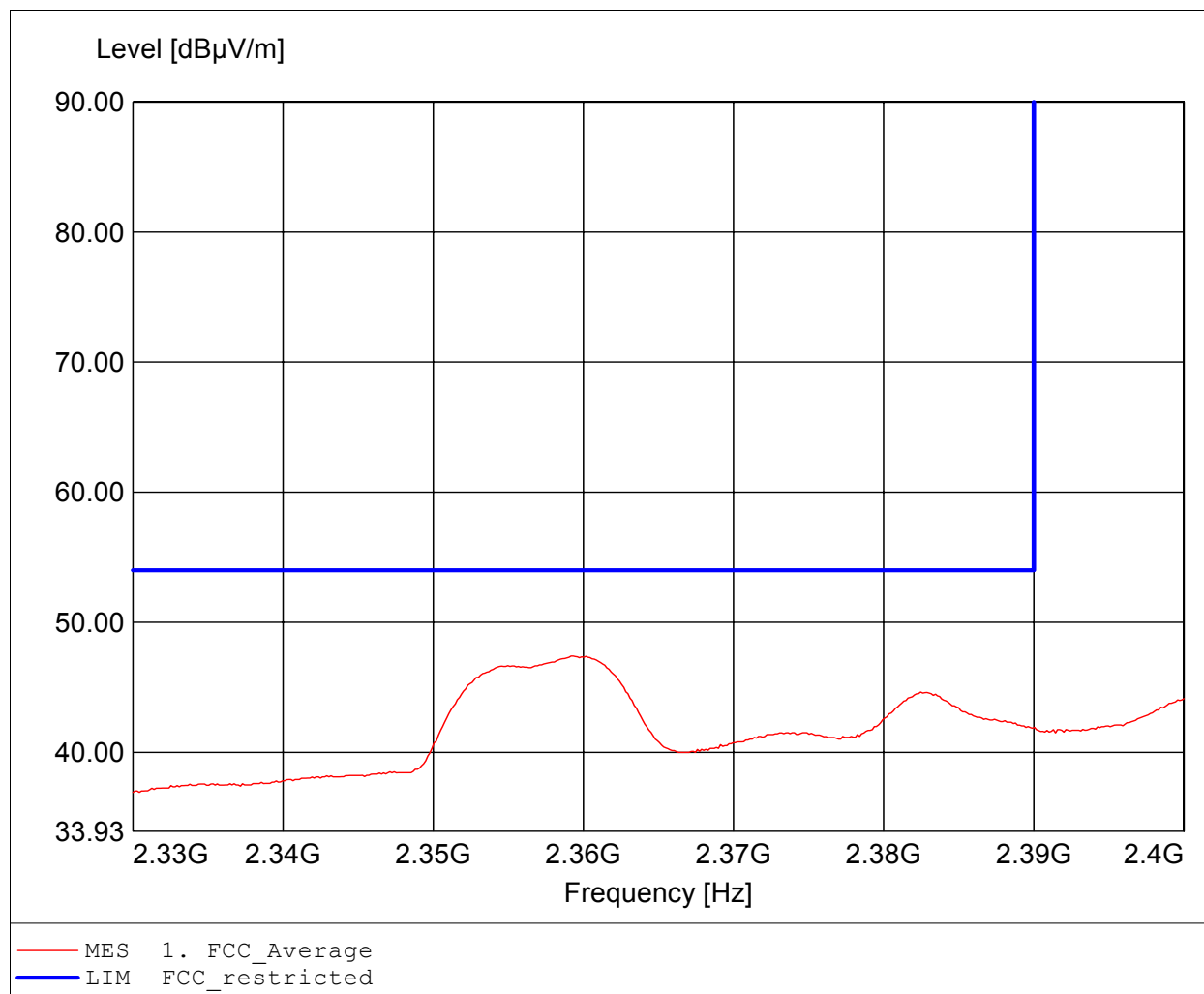
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.511GHz, Emax: 56.64dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

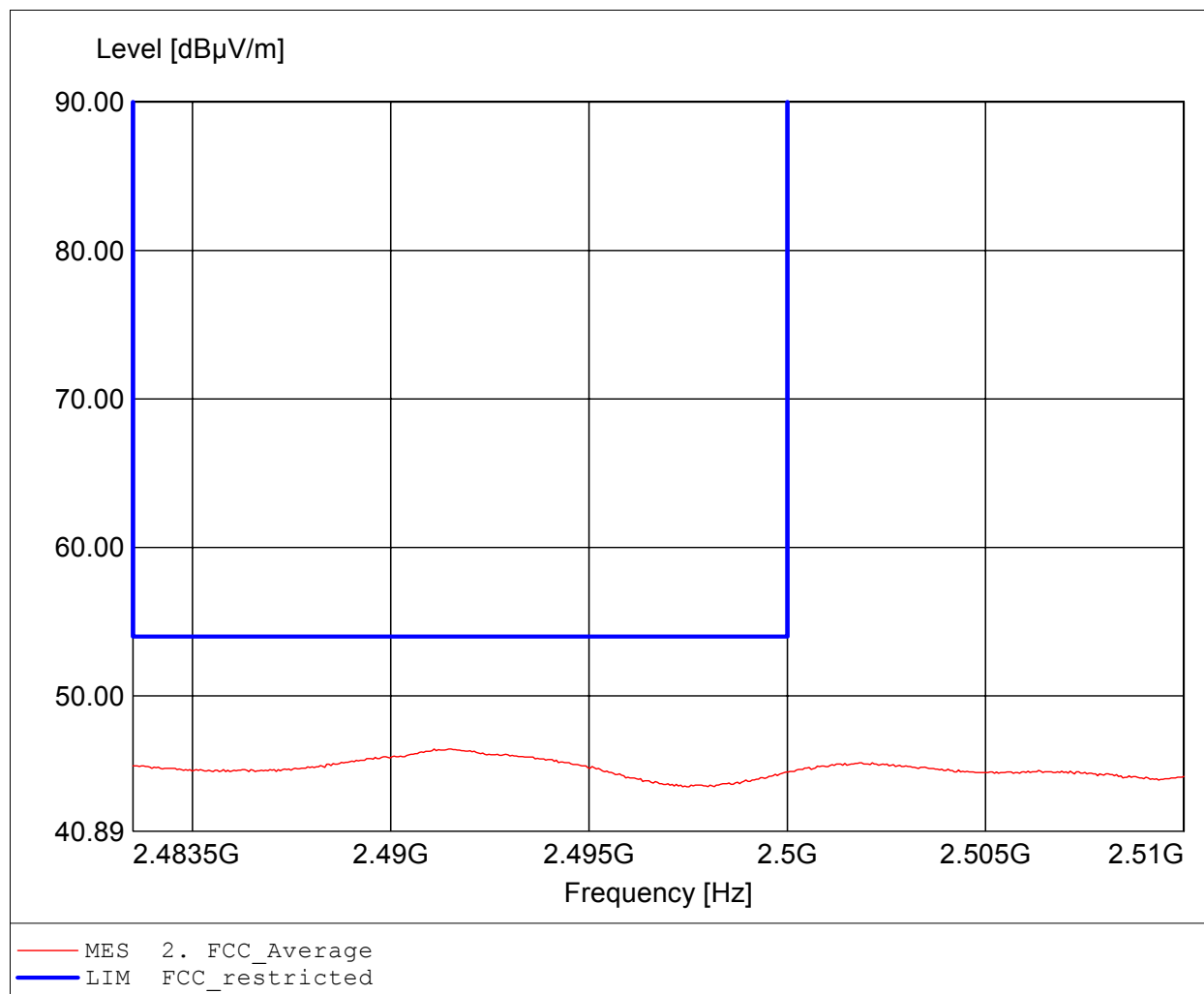
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.359GHz, Emax: 47.40dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

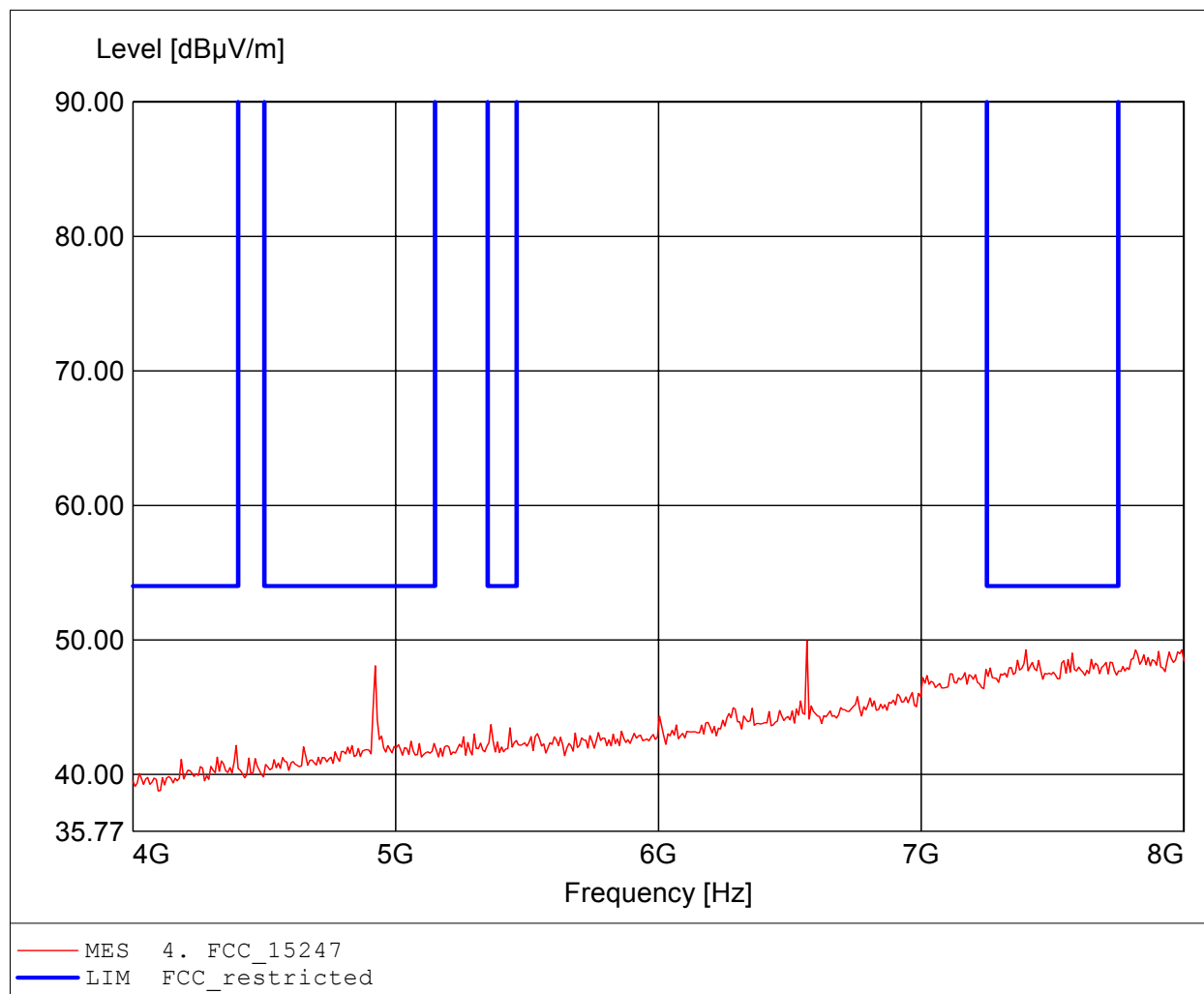
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.492GHz, Emax: 46.43dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

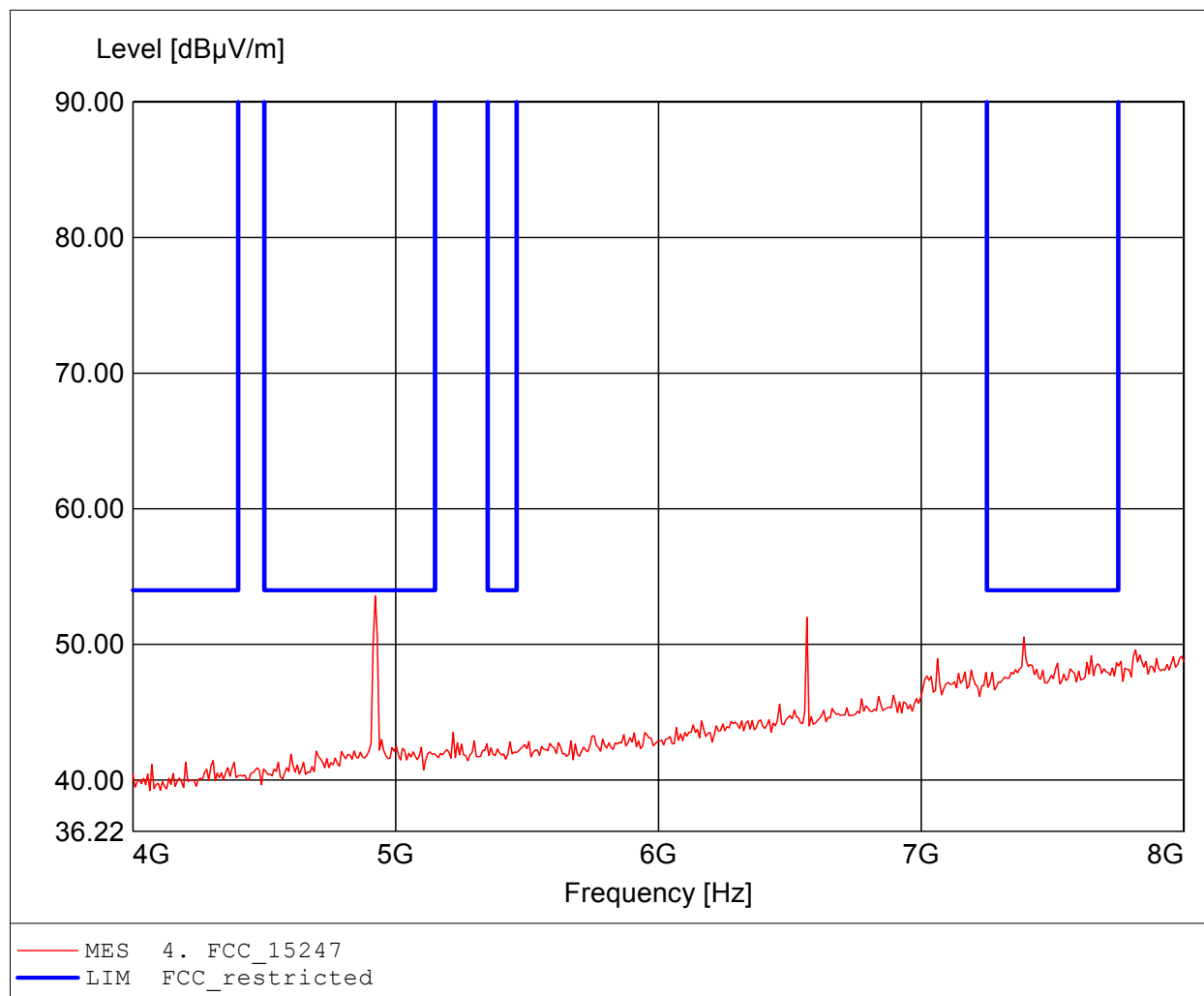
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.565GHz, Emax: 49.93dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

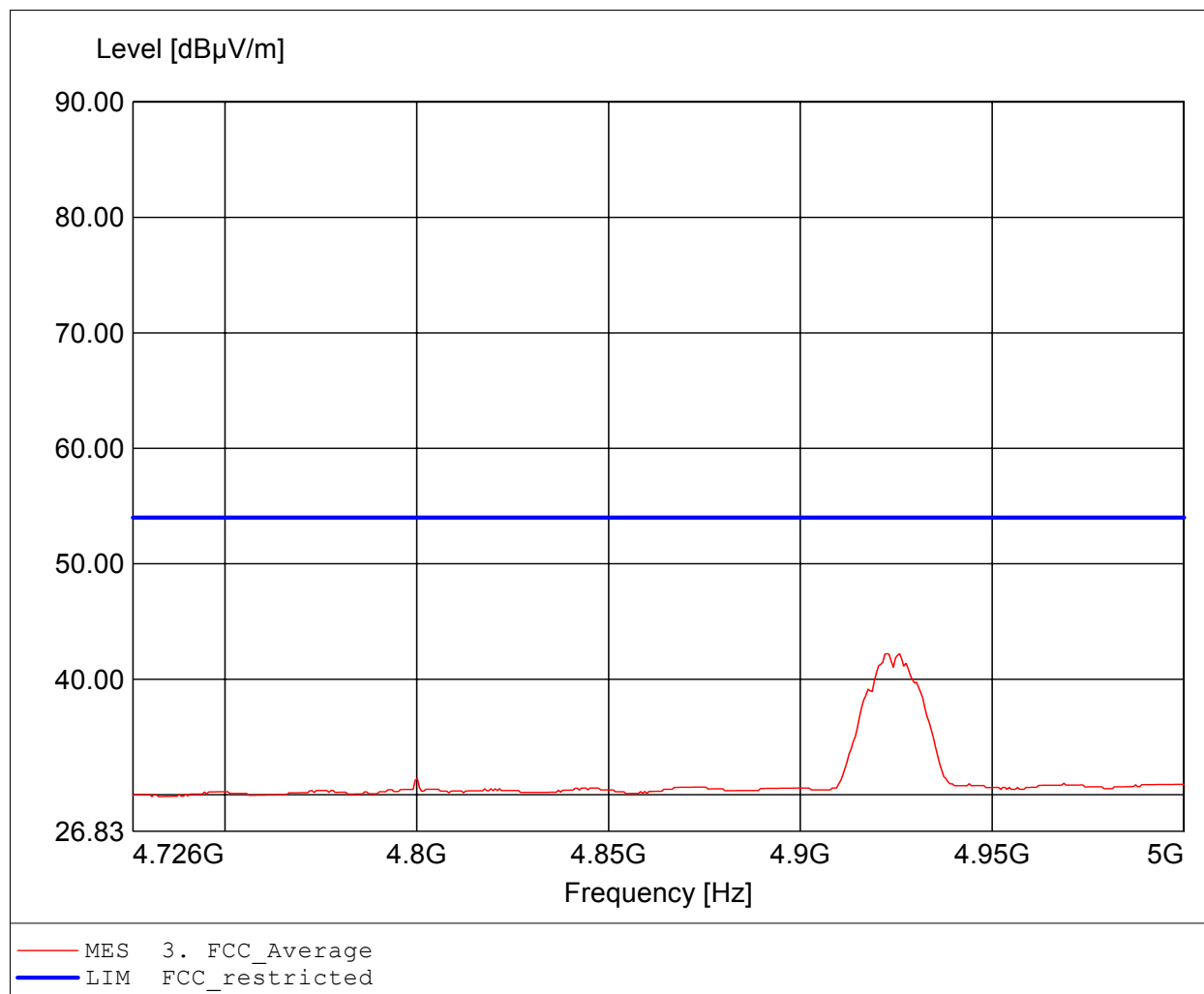
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.922GHz, Emax: 53.58dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

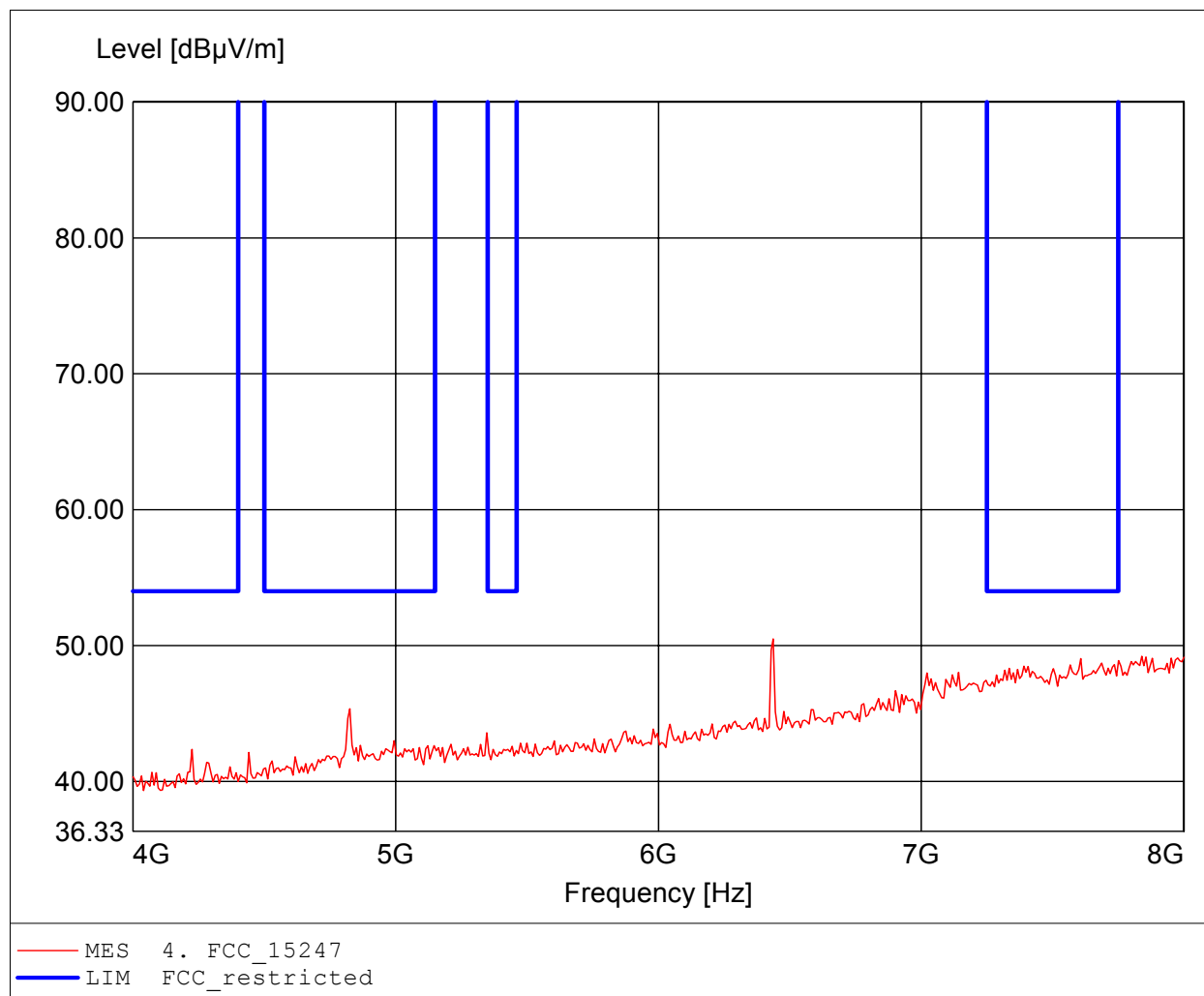
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 4.926GHz, Emax: 42.21dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

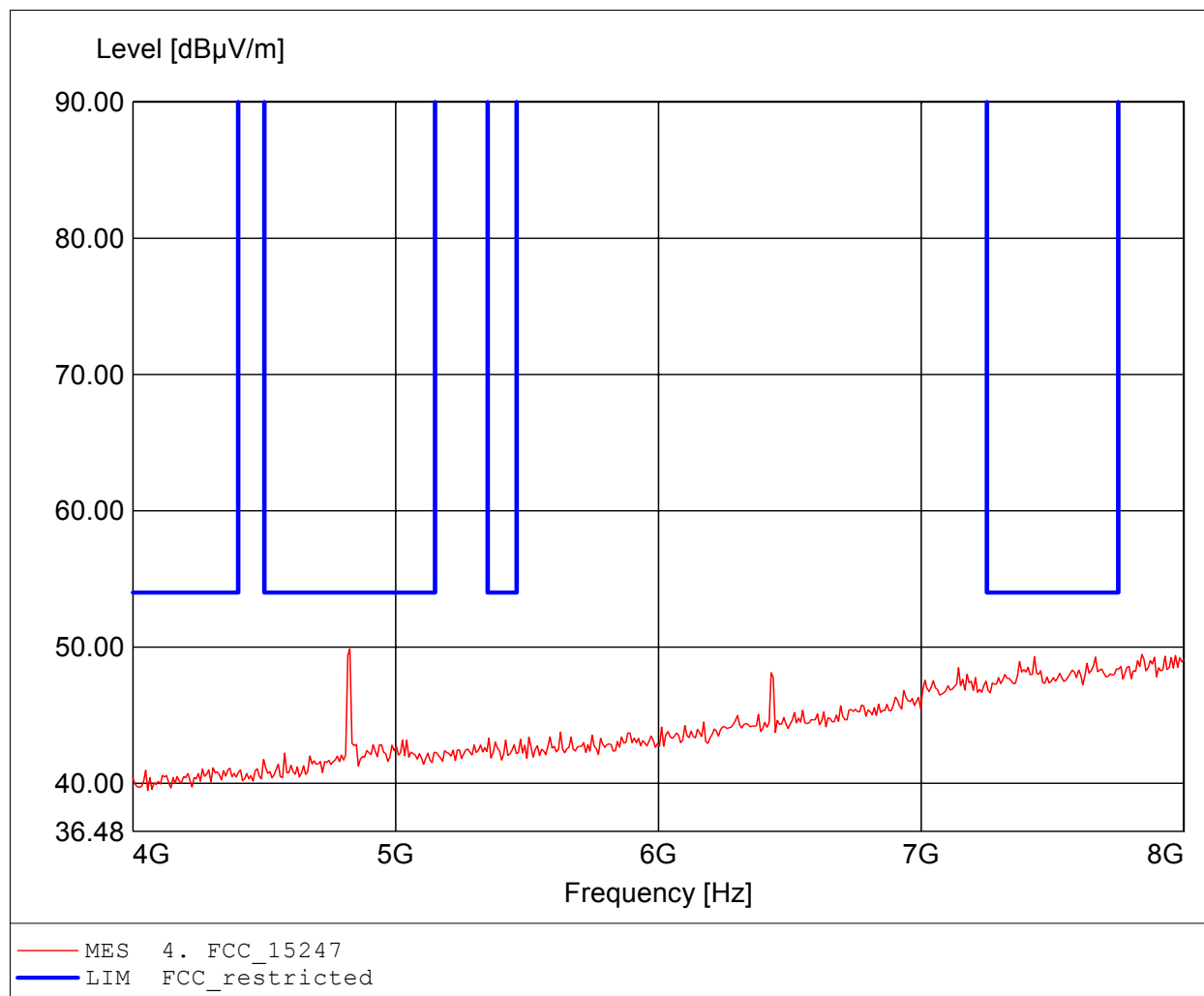
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.437GHz, Emax: 50.48dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

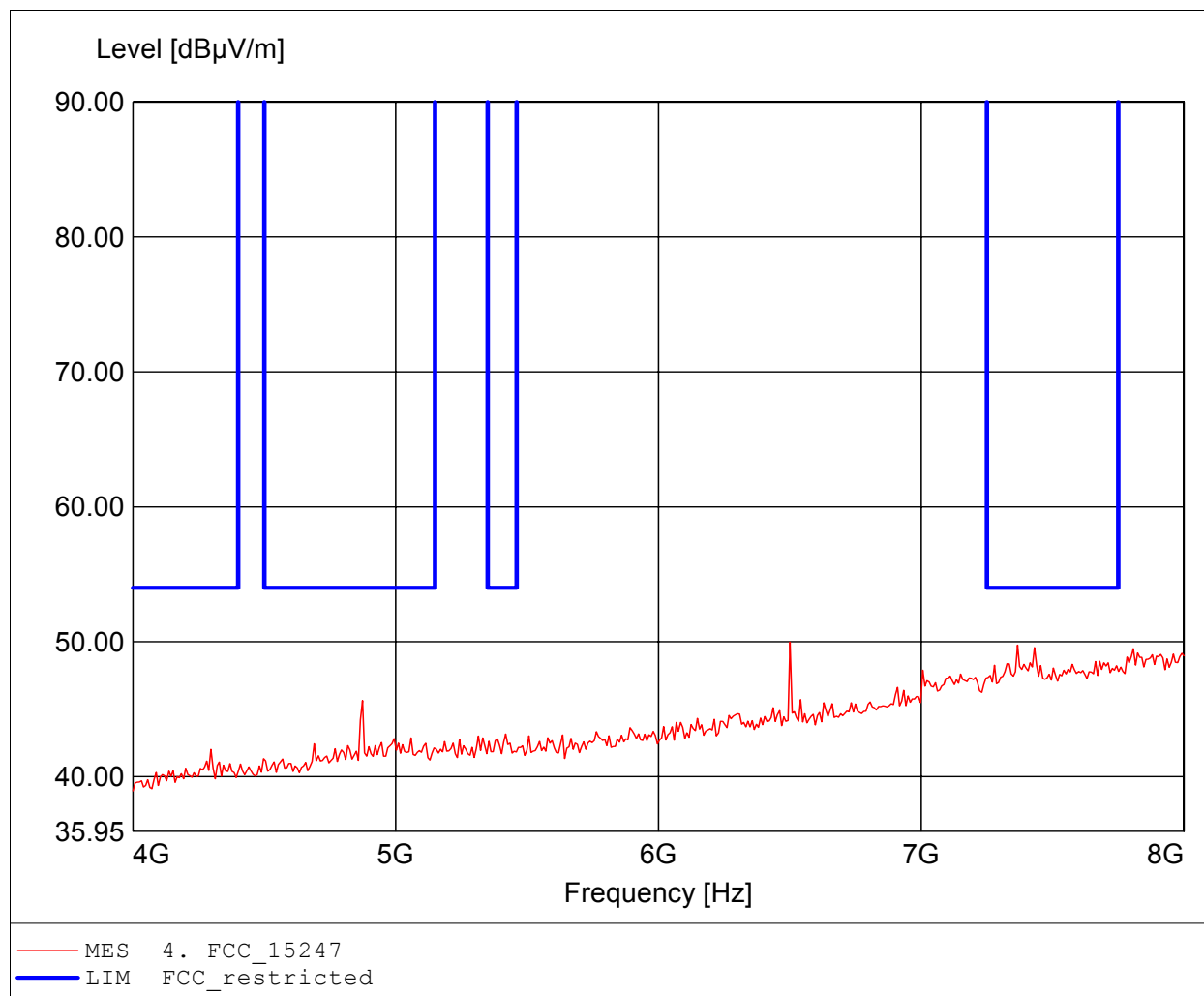
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.826GHz, Emax: 49.87dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

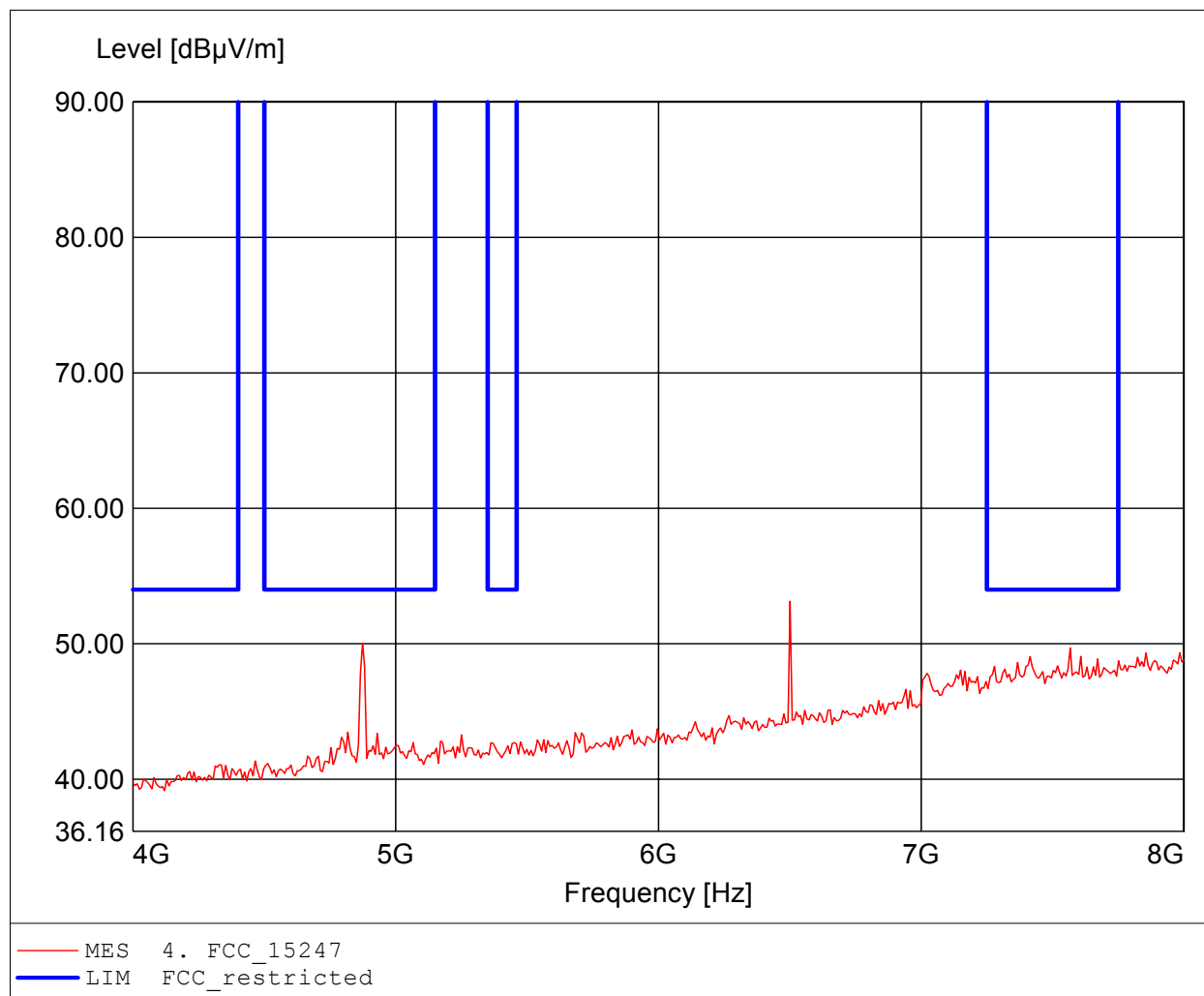
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.501GHz, Emax: 49.98dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

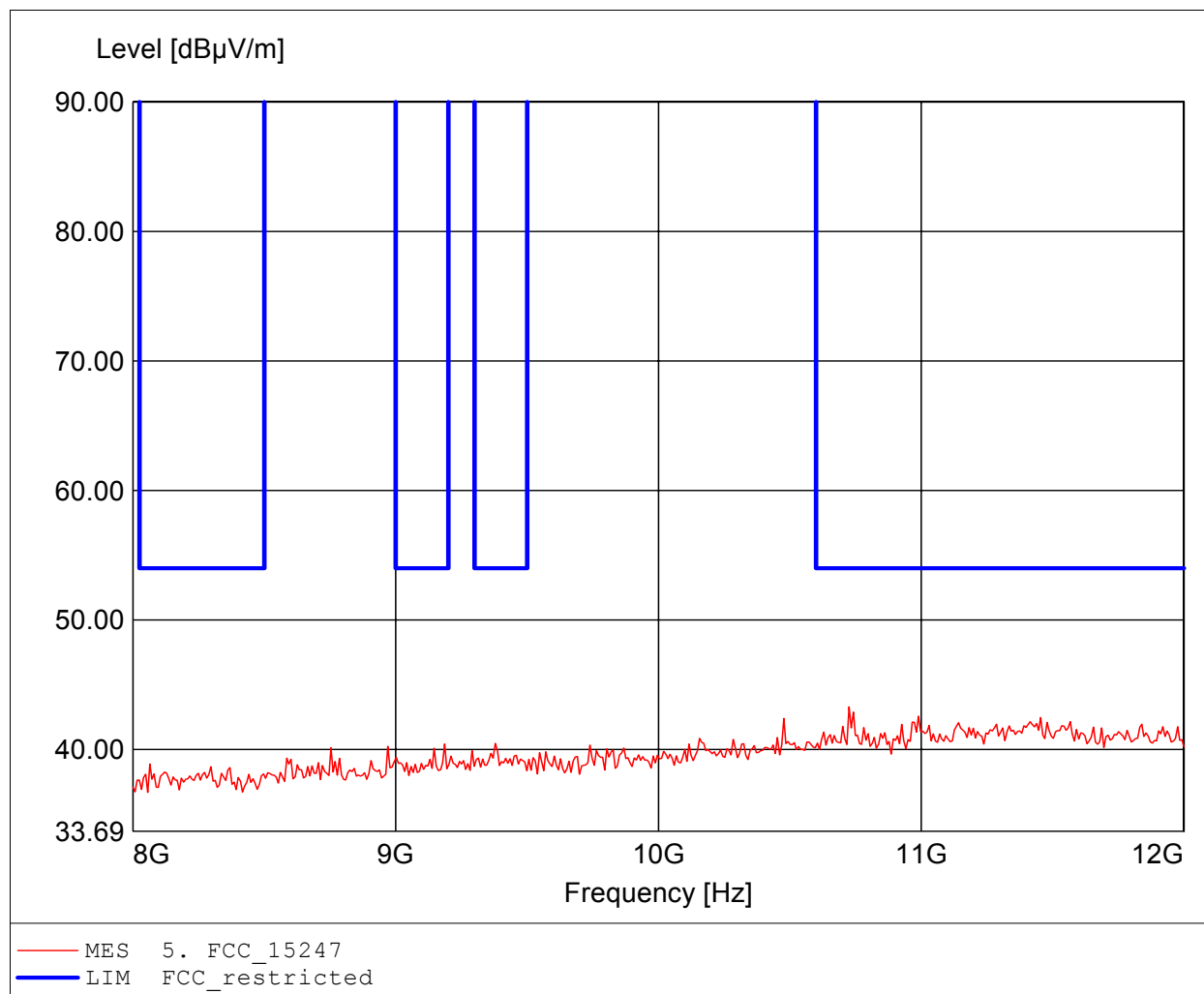
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.501GHz, Emax: 53.15dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

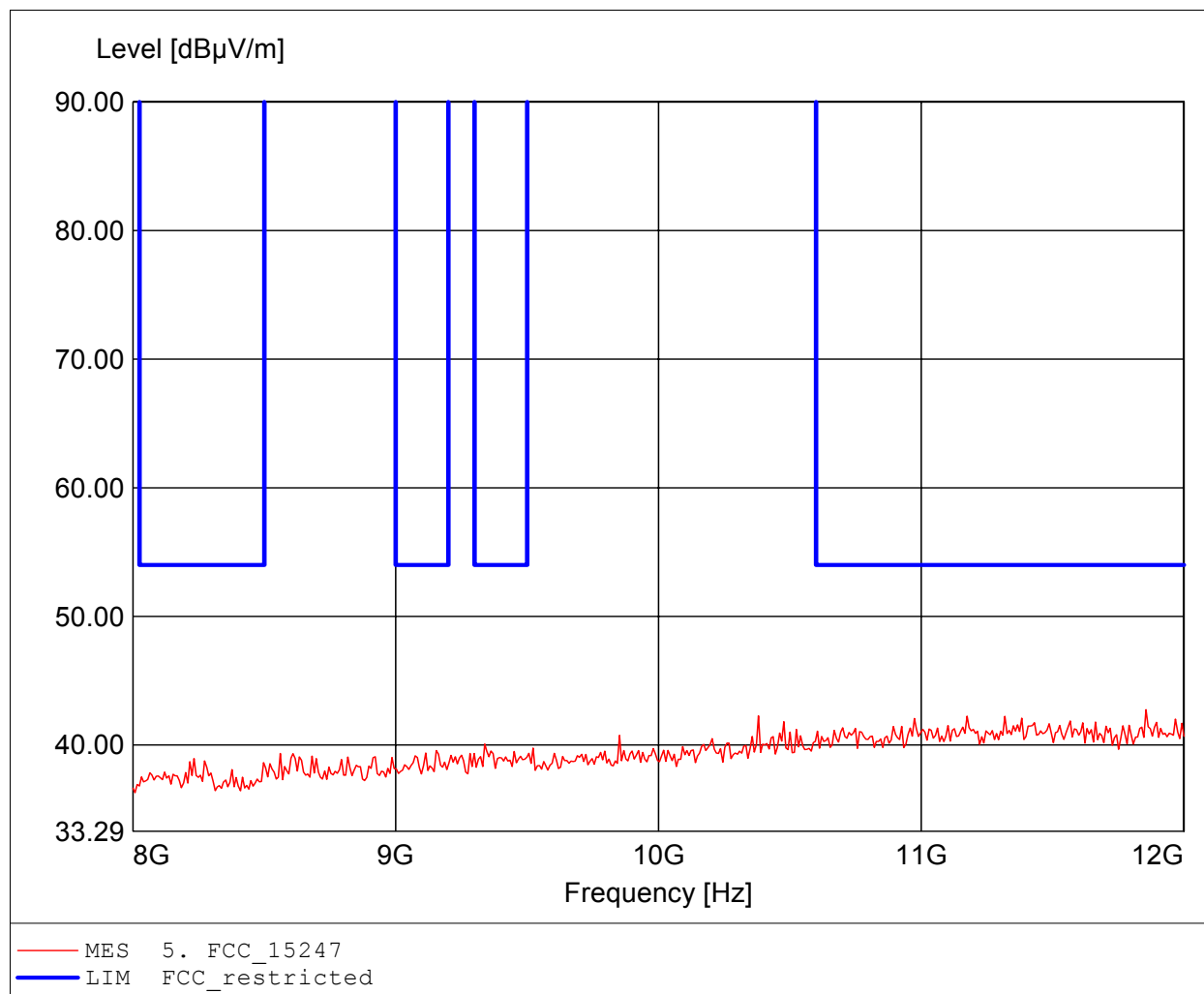
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.725GHz, Emax: 43.30dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

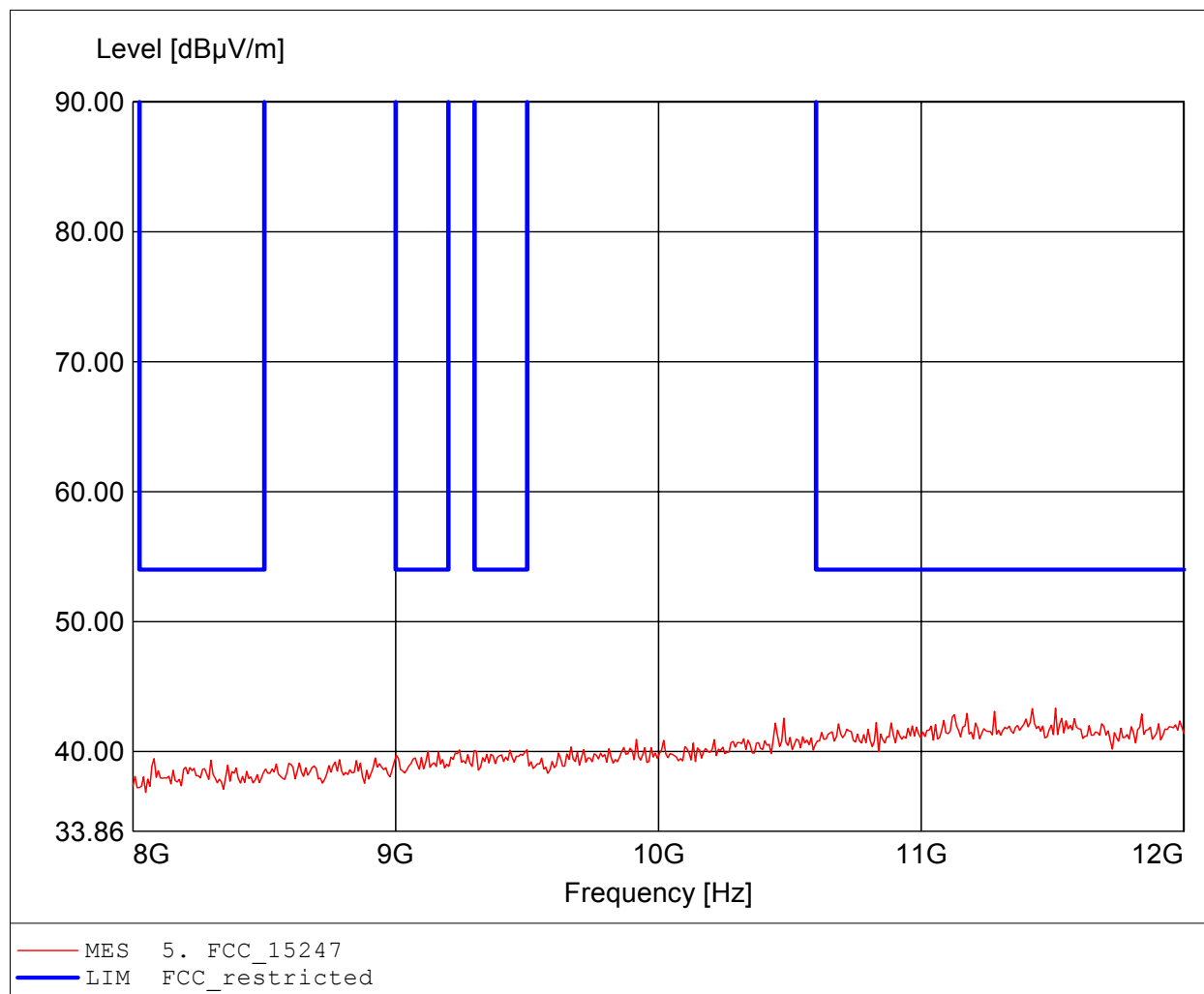
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.856GHz, Emax: 42.74dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

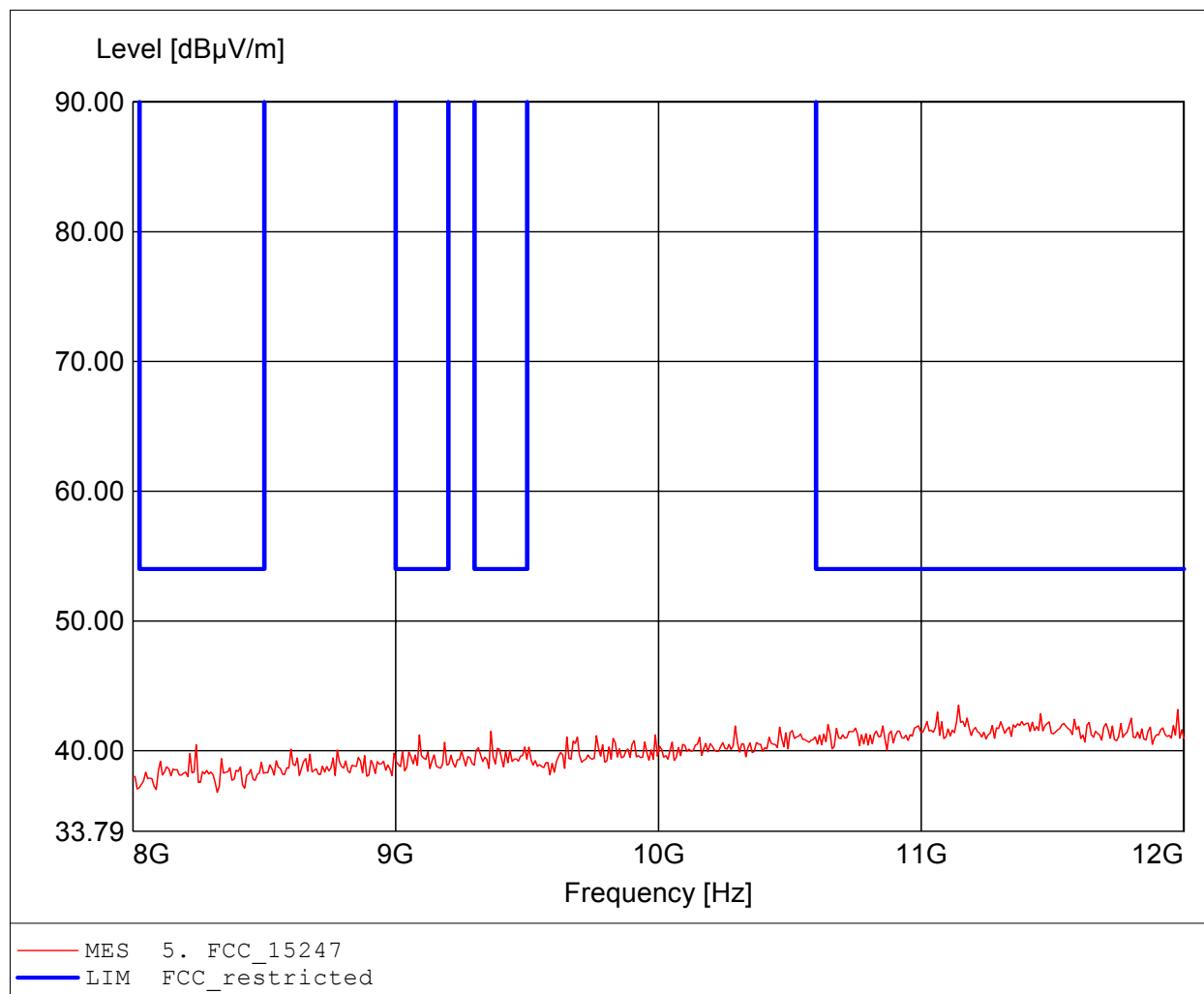
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.511GHz, Emax: 43.33dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

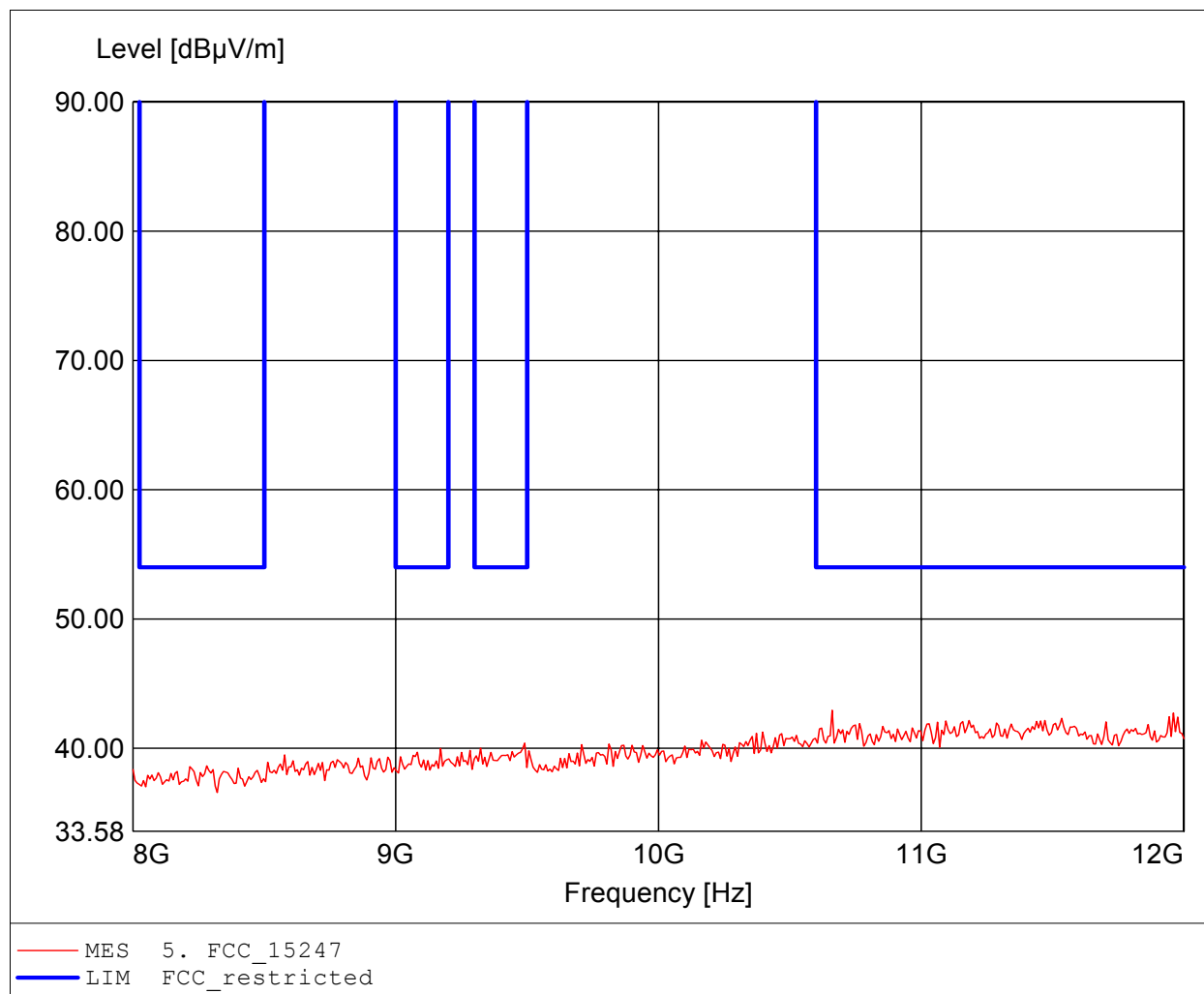
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.142GHz, Emax: 43.51dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

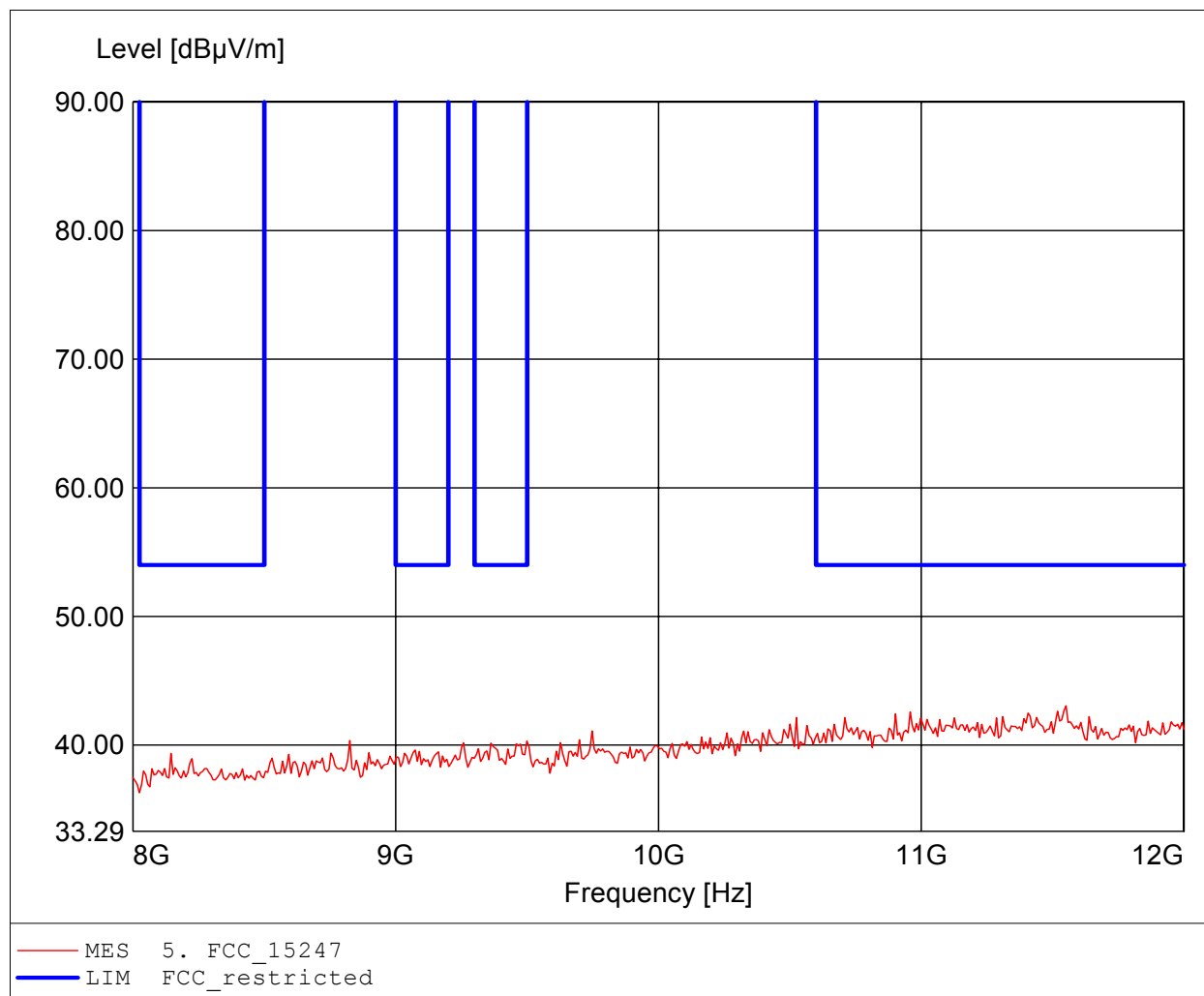
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.661GHz, Emax: 42.94dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

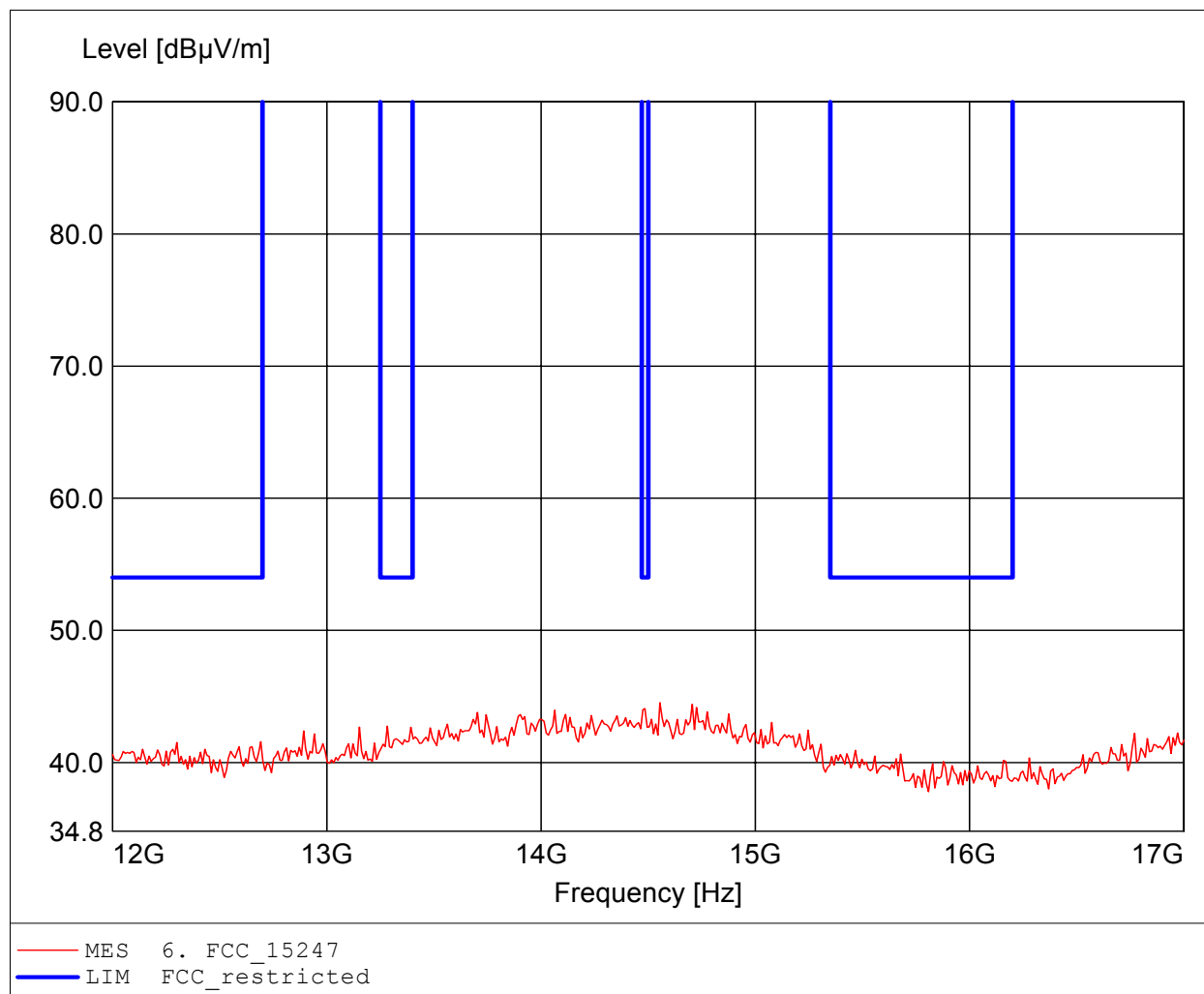
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.551GHz, Emax: 43.05dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

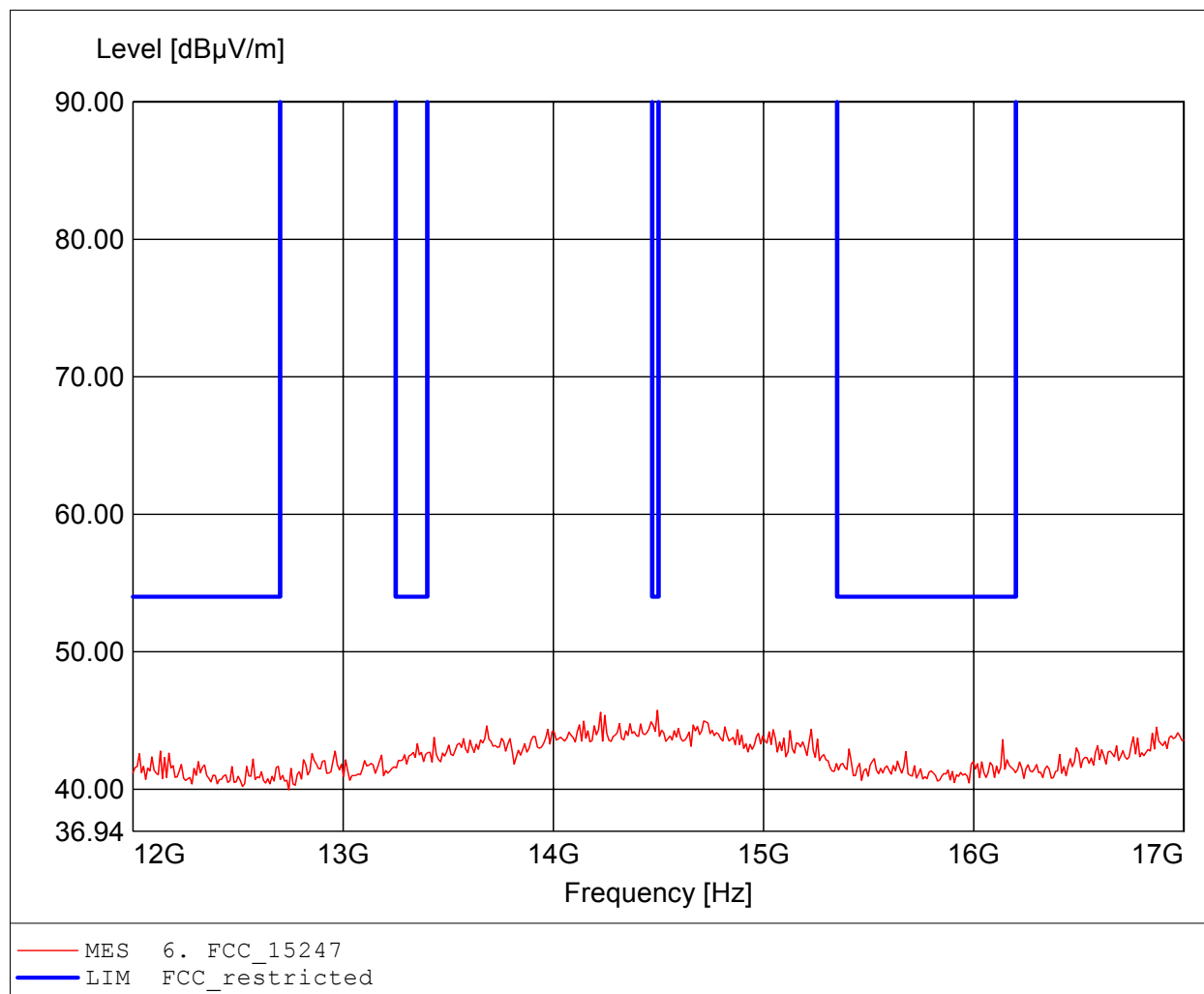
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.555GHz, Emax: 44.54dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

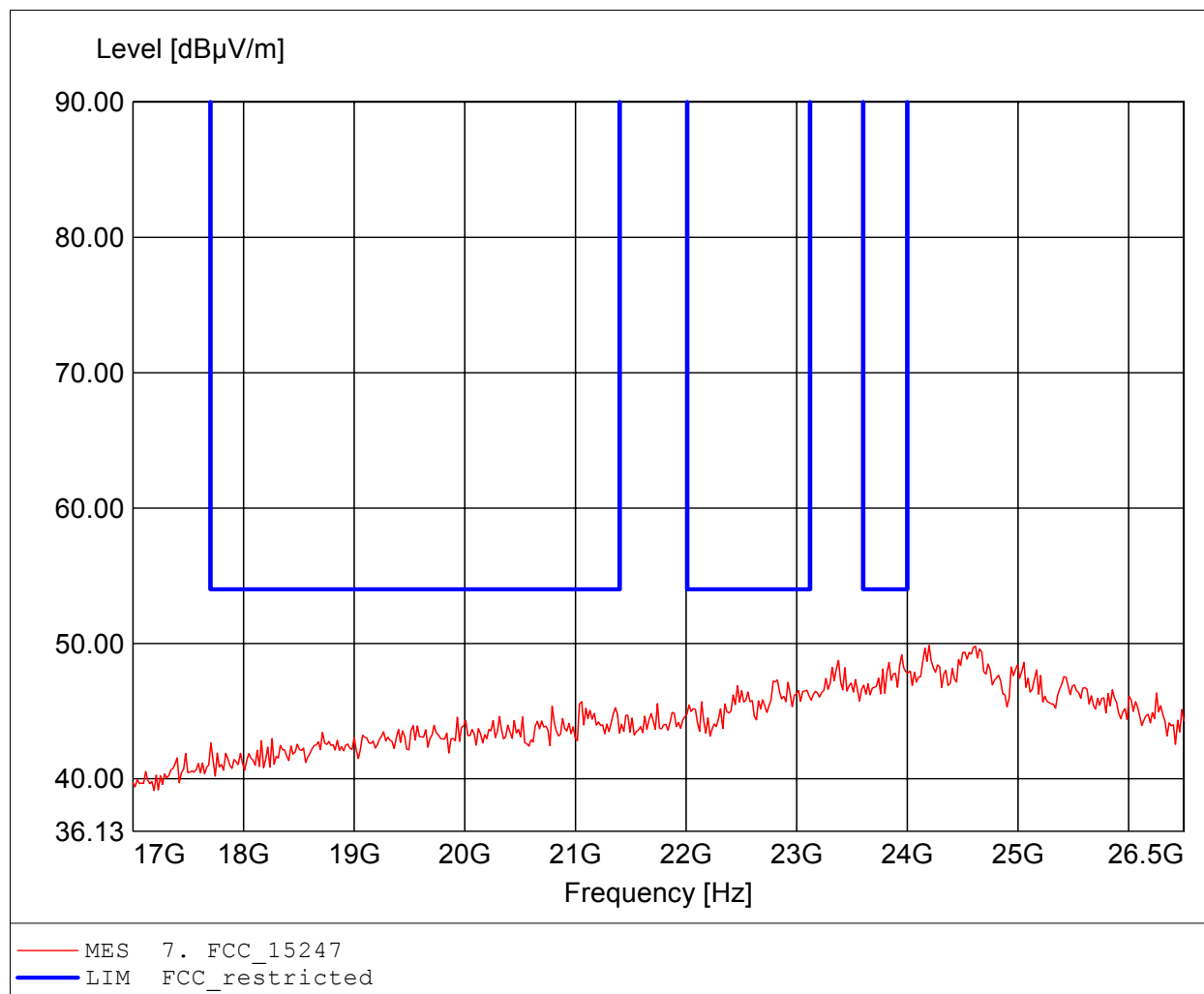
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.495GHz, Emax: 45.74dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

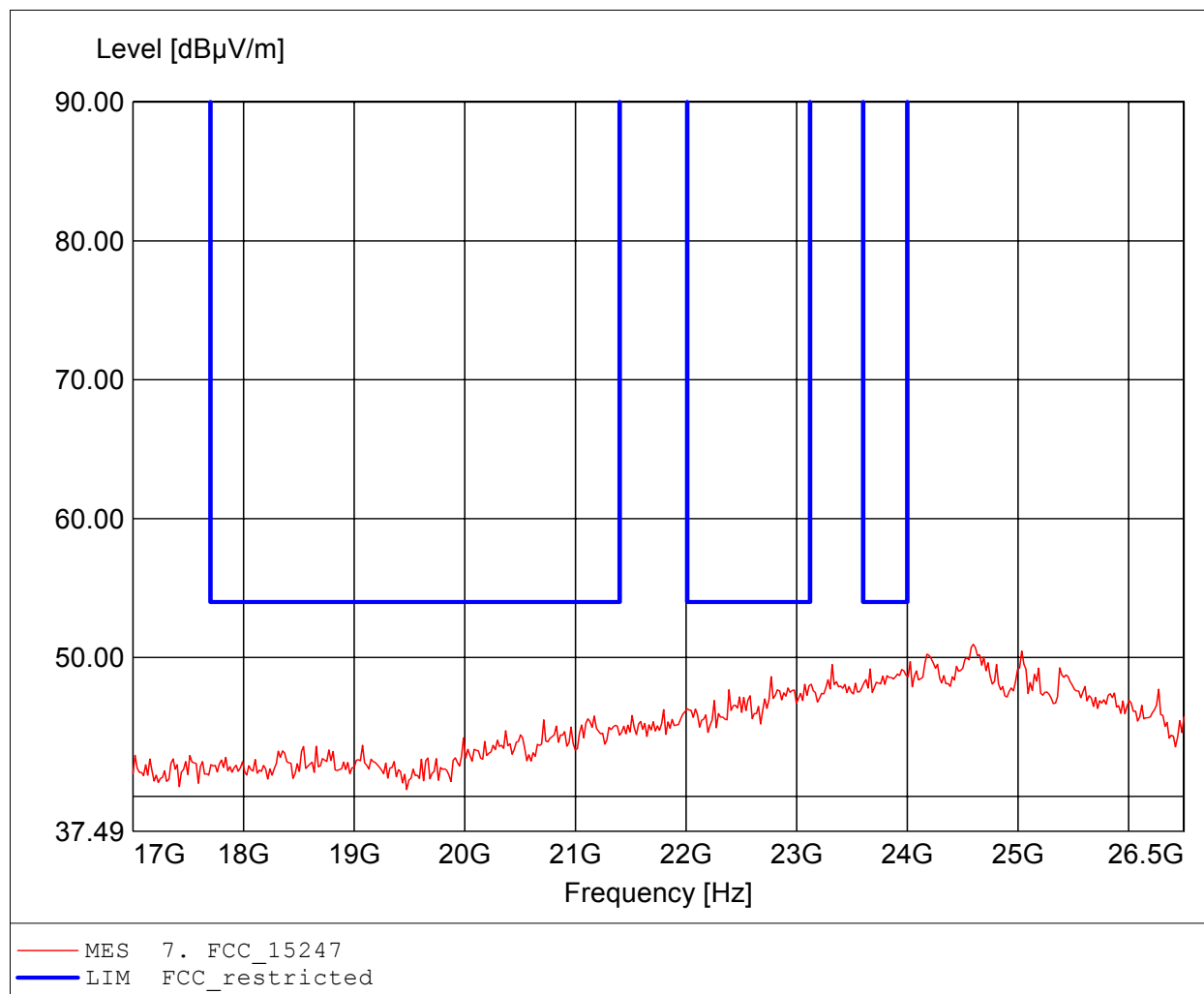
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.196GHz, Emax: 49.86dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

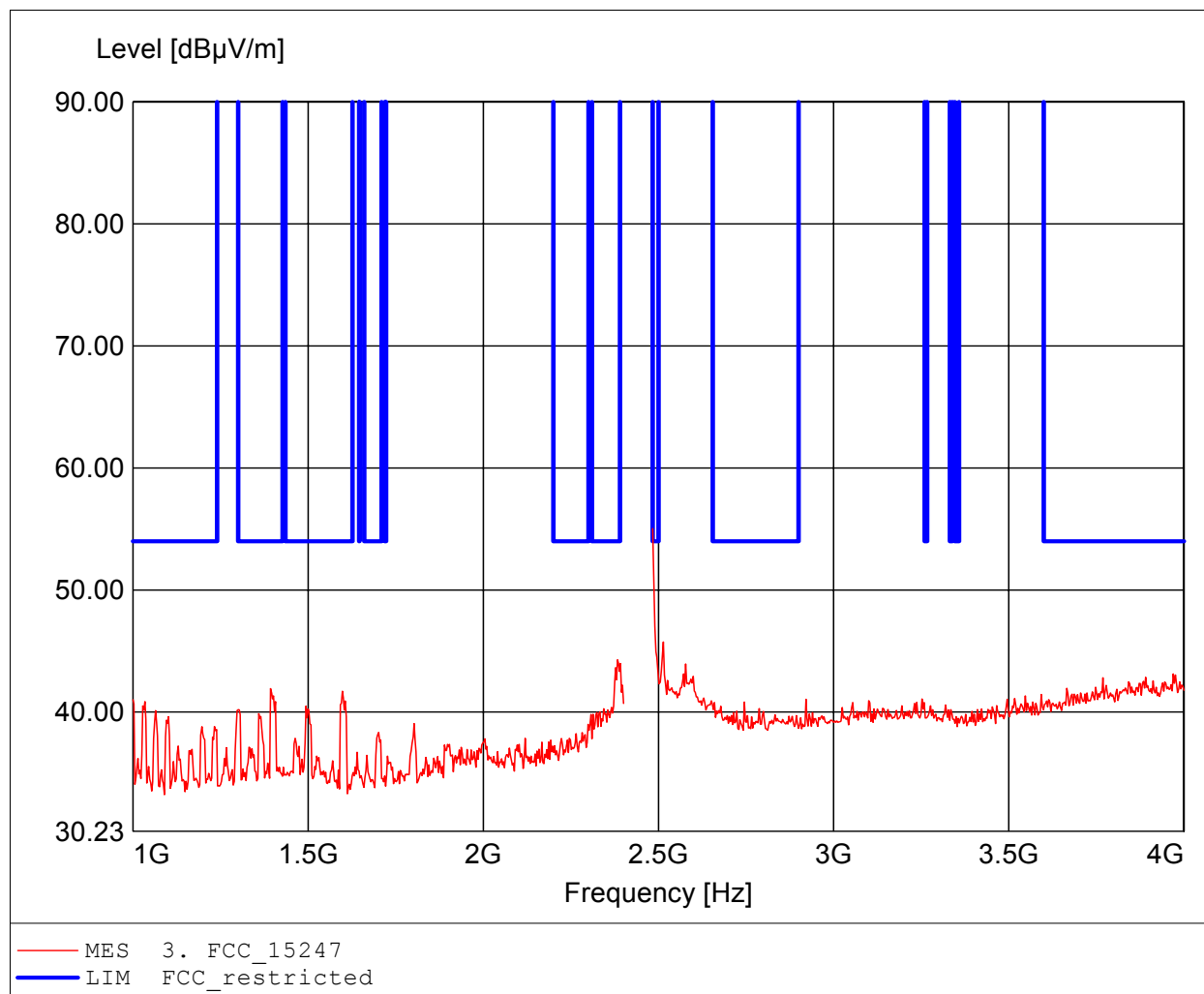
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: DSSS, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.596GHz, Emax: 50.95dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

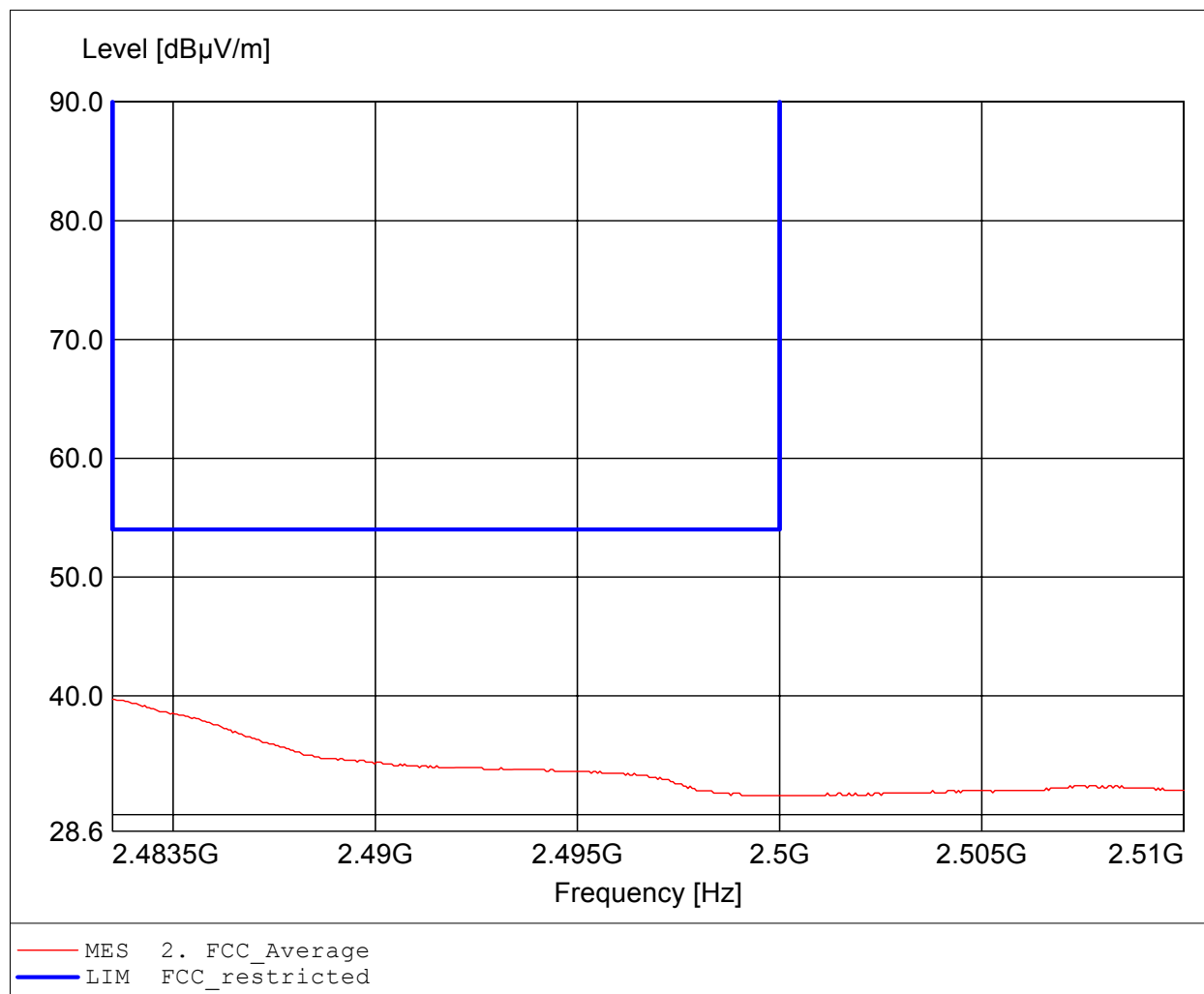
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 55.03dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

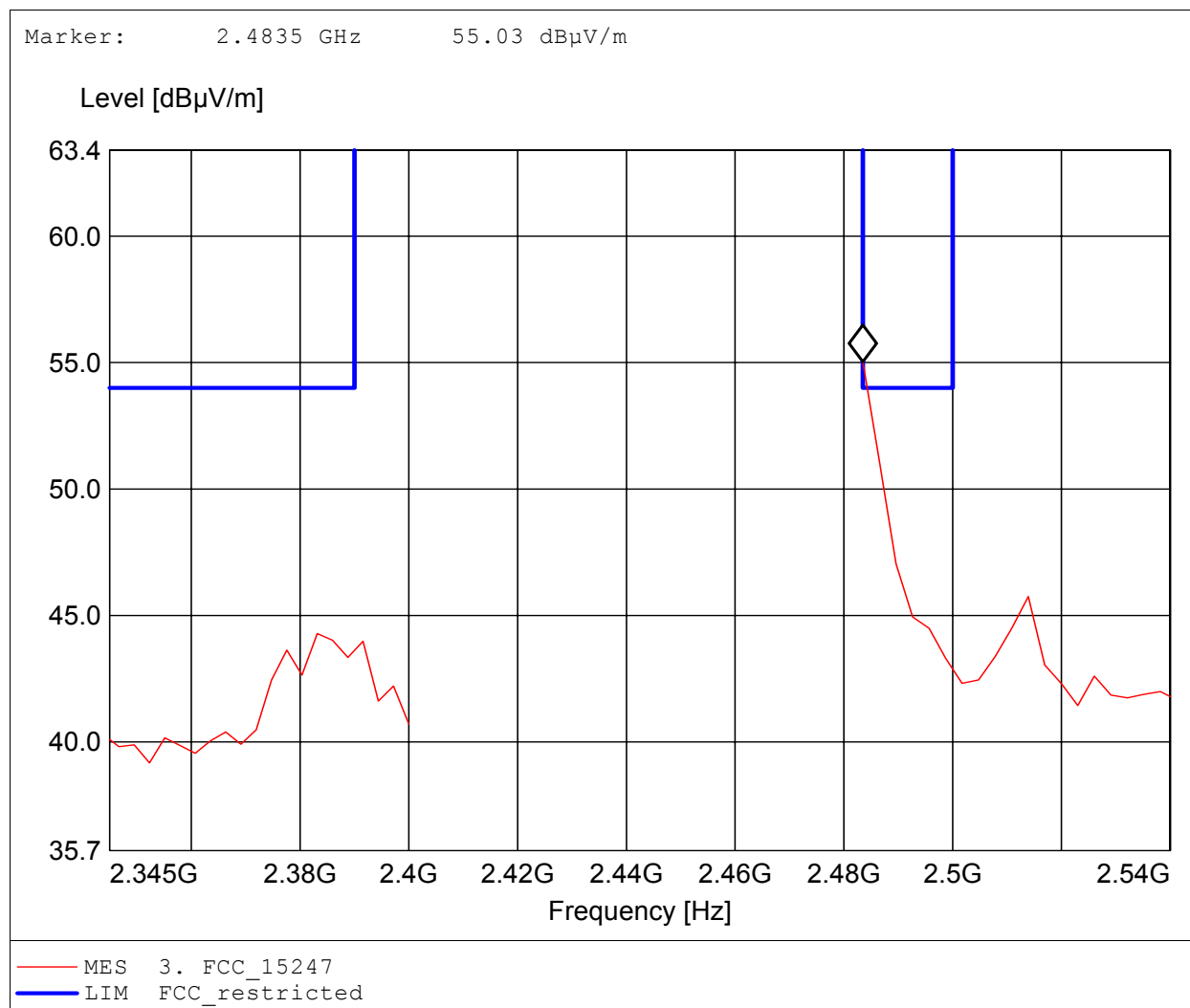
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 39.70dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

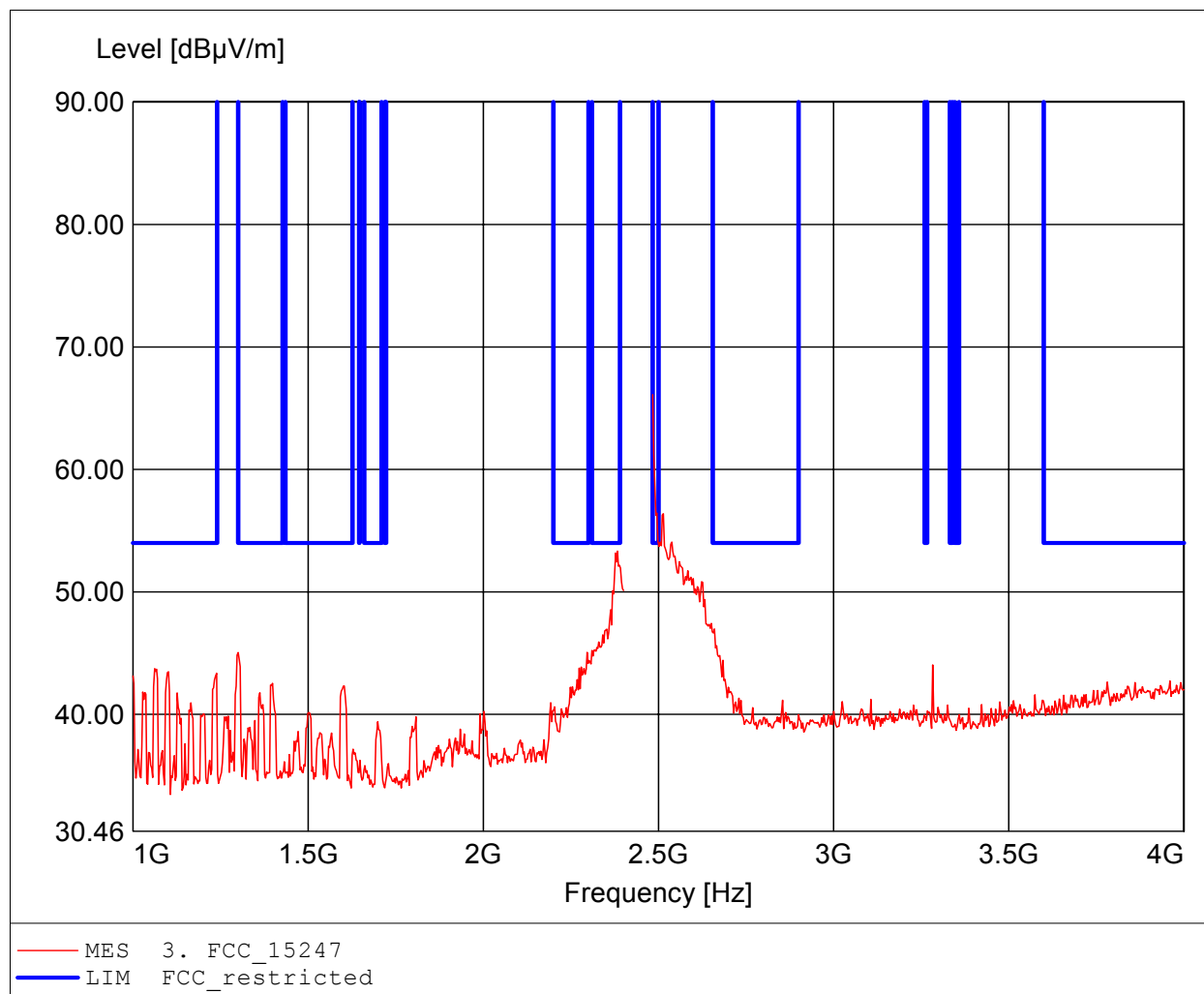
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 55.03dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

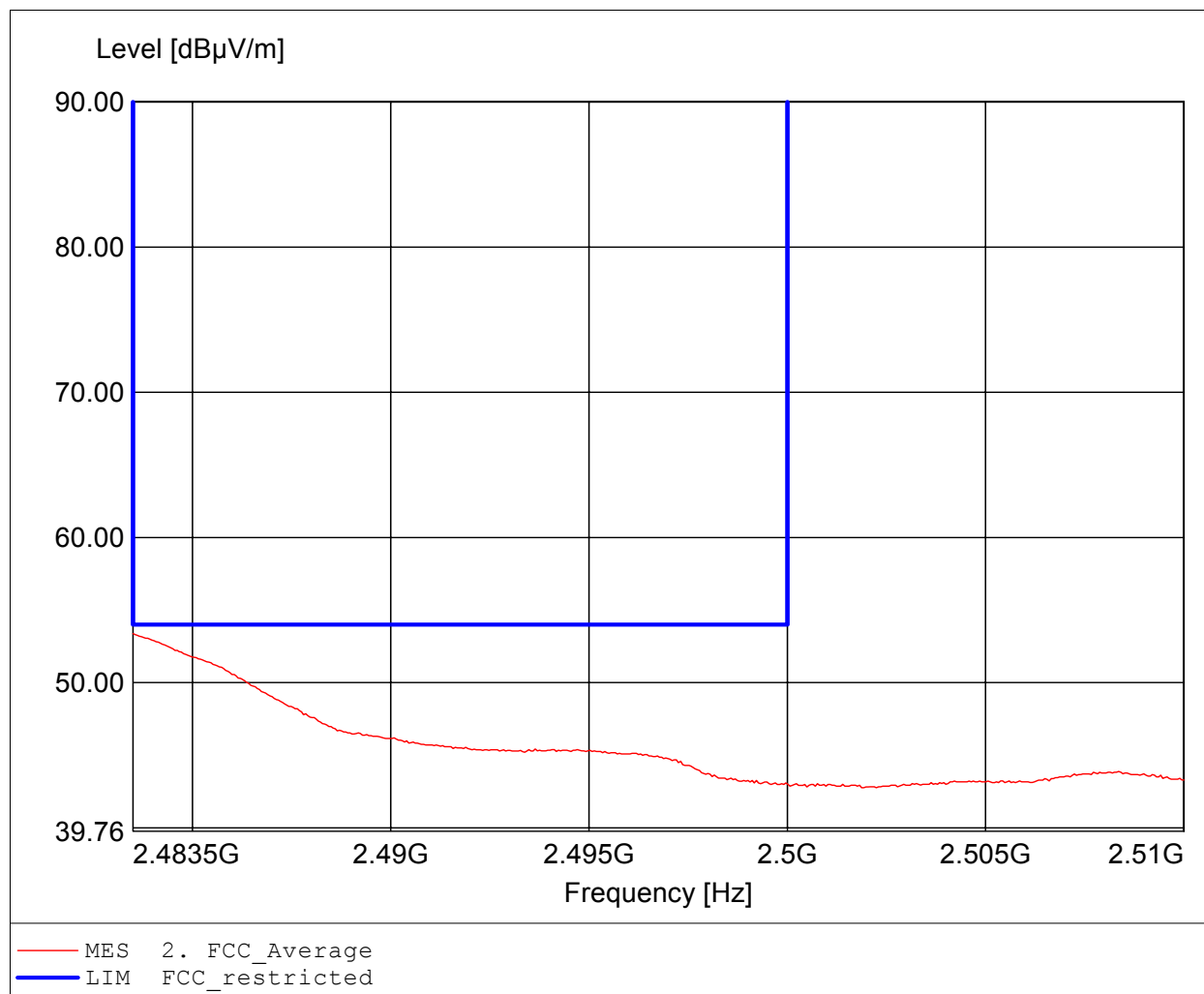
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 66.11dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

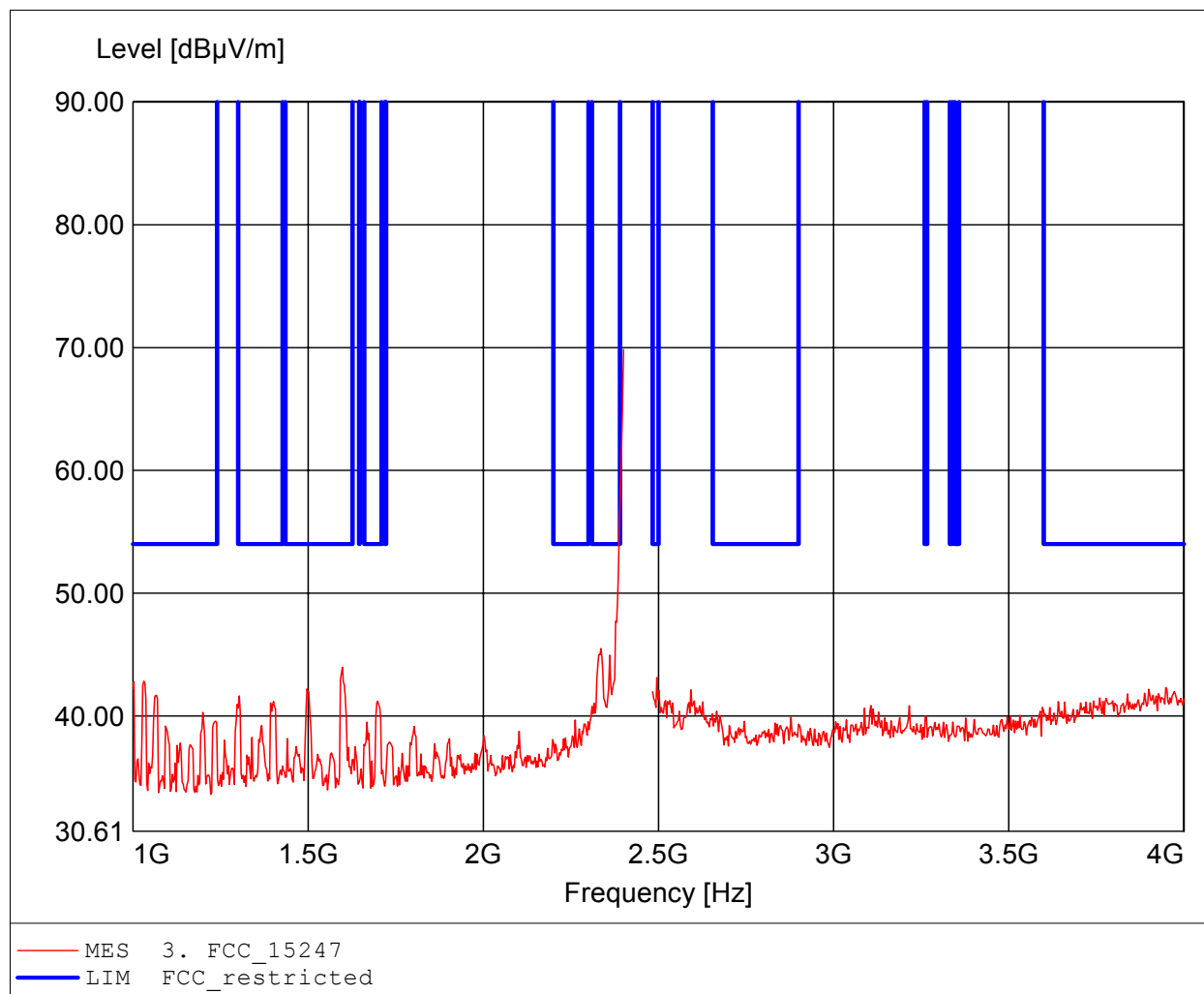
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 53.37dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

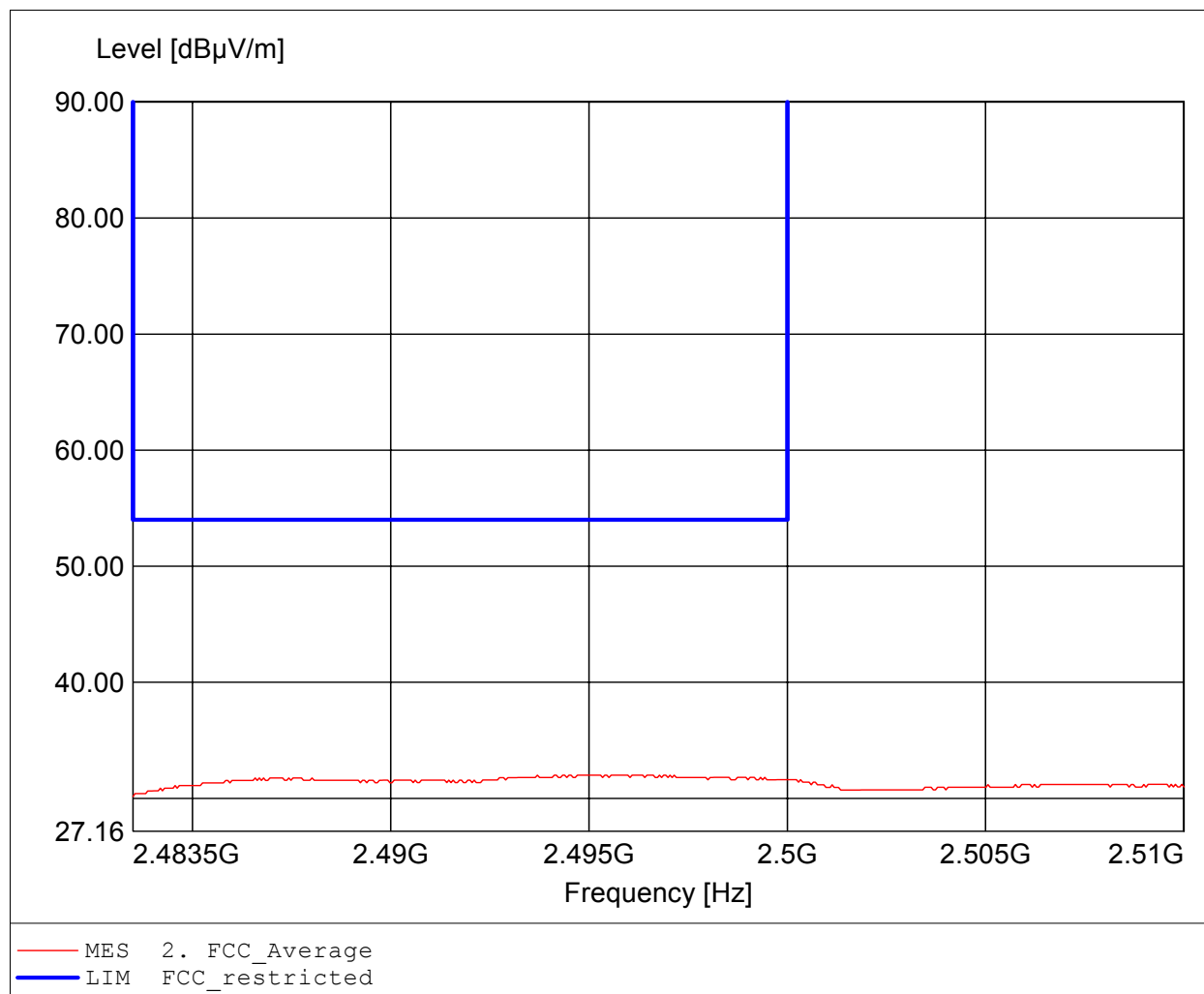
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 69.84dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

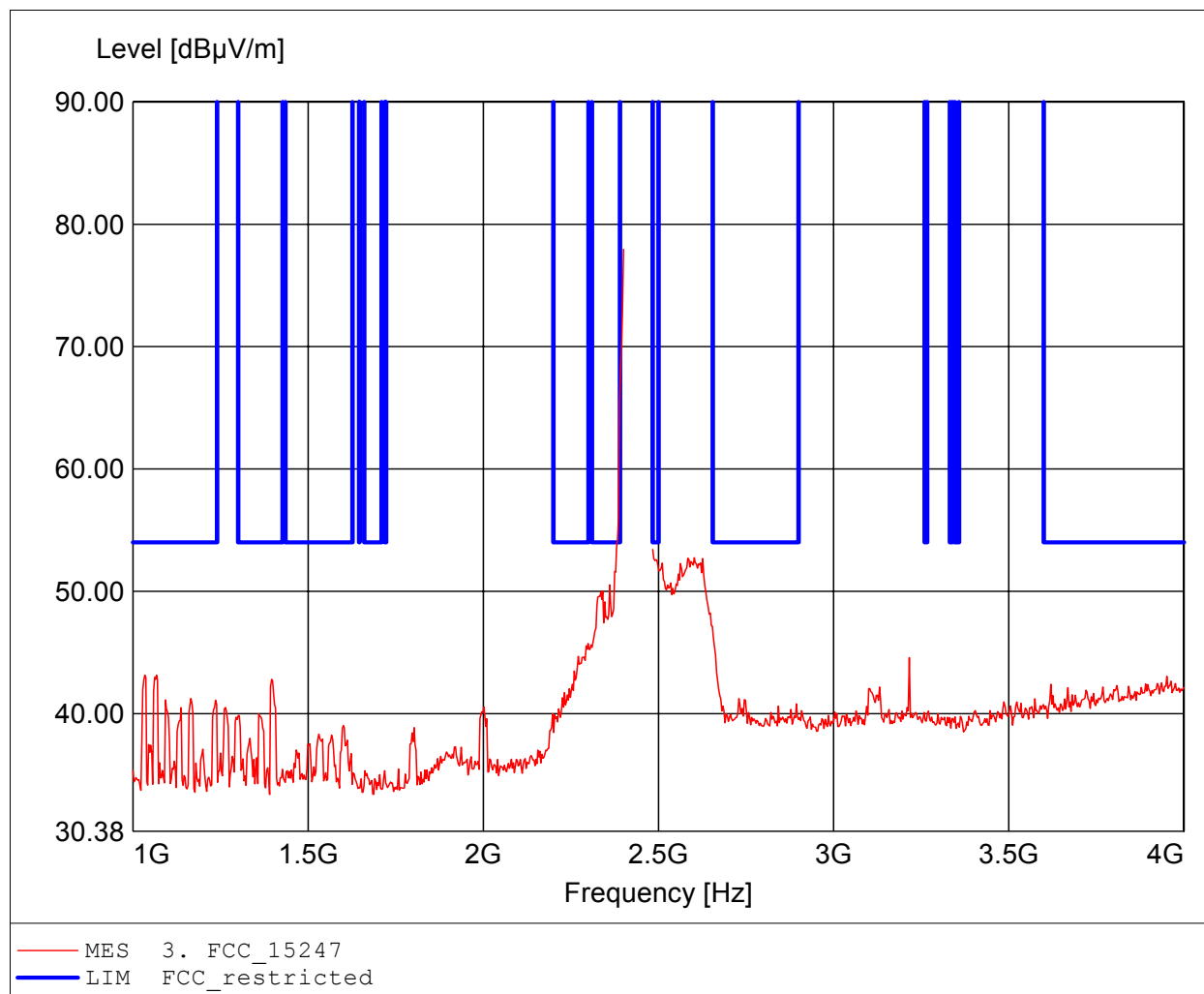
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.497GHz, Emax: 32.00dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

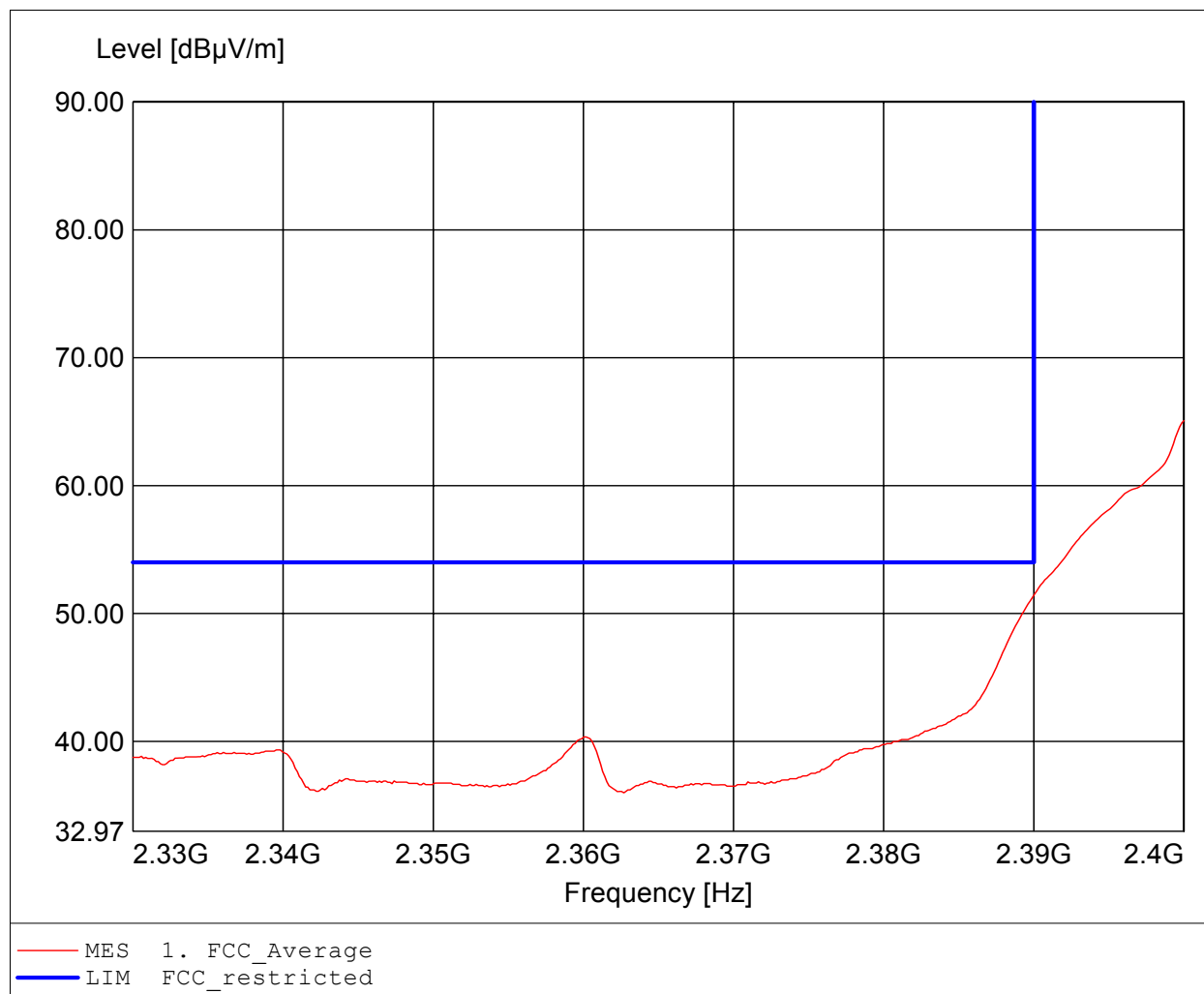
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 77.96dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

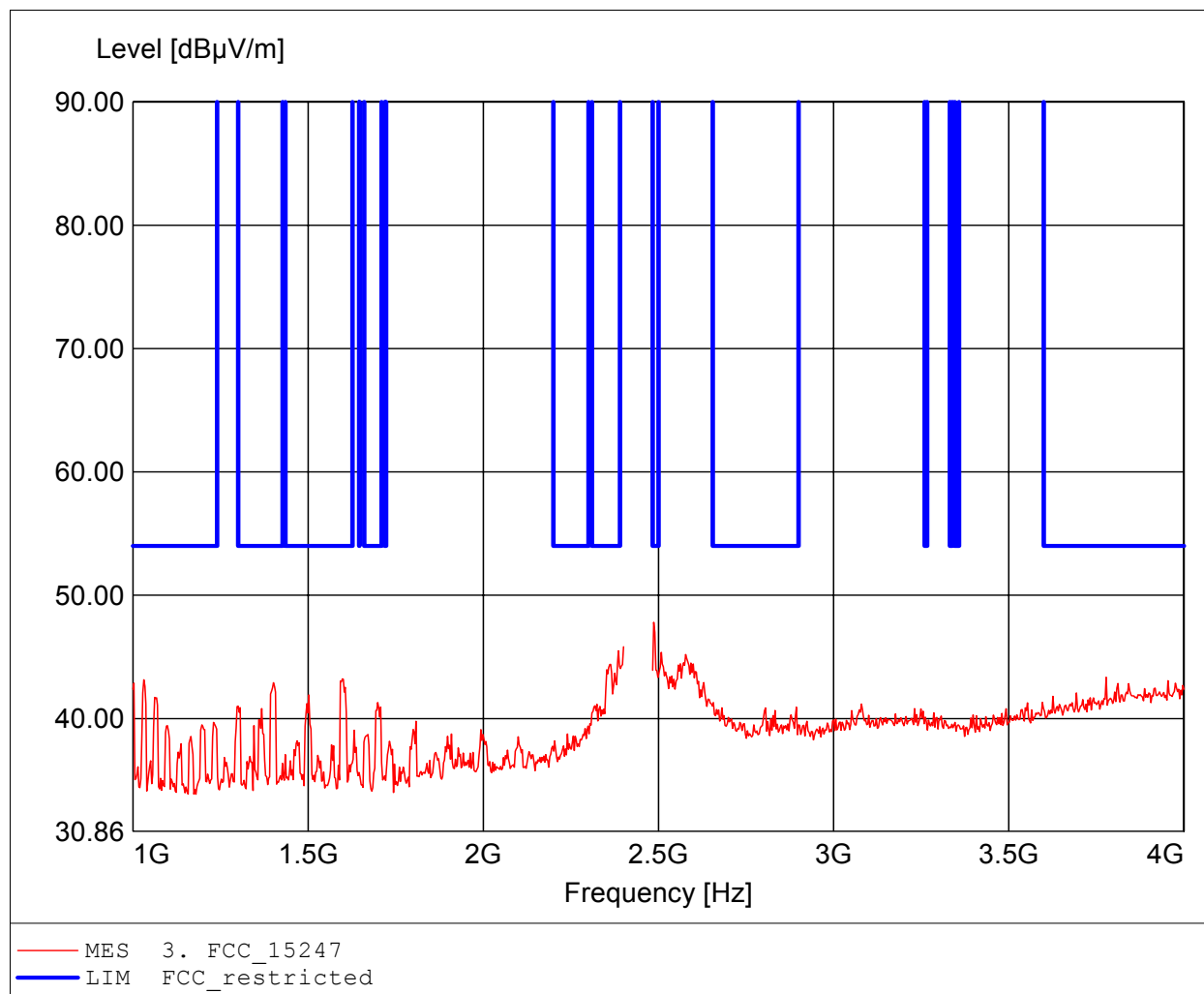
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 65.09dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

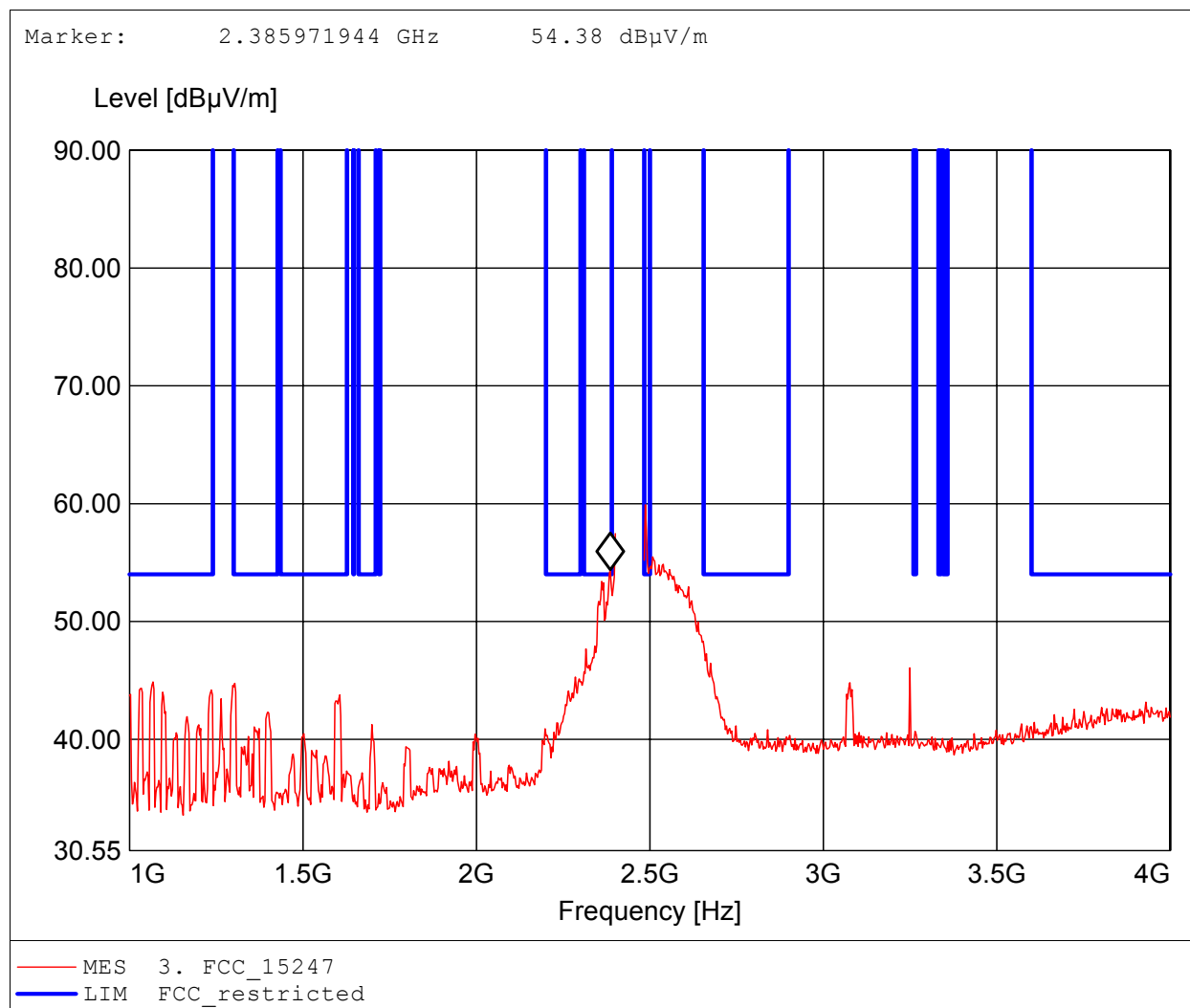
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 47.81dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

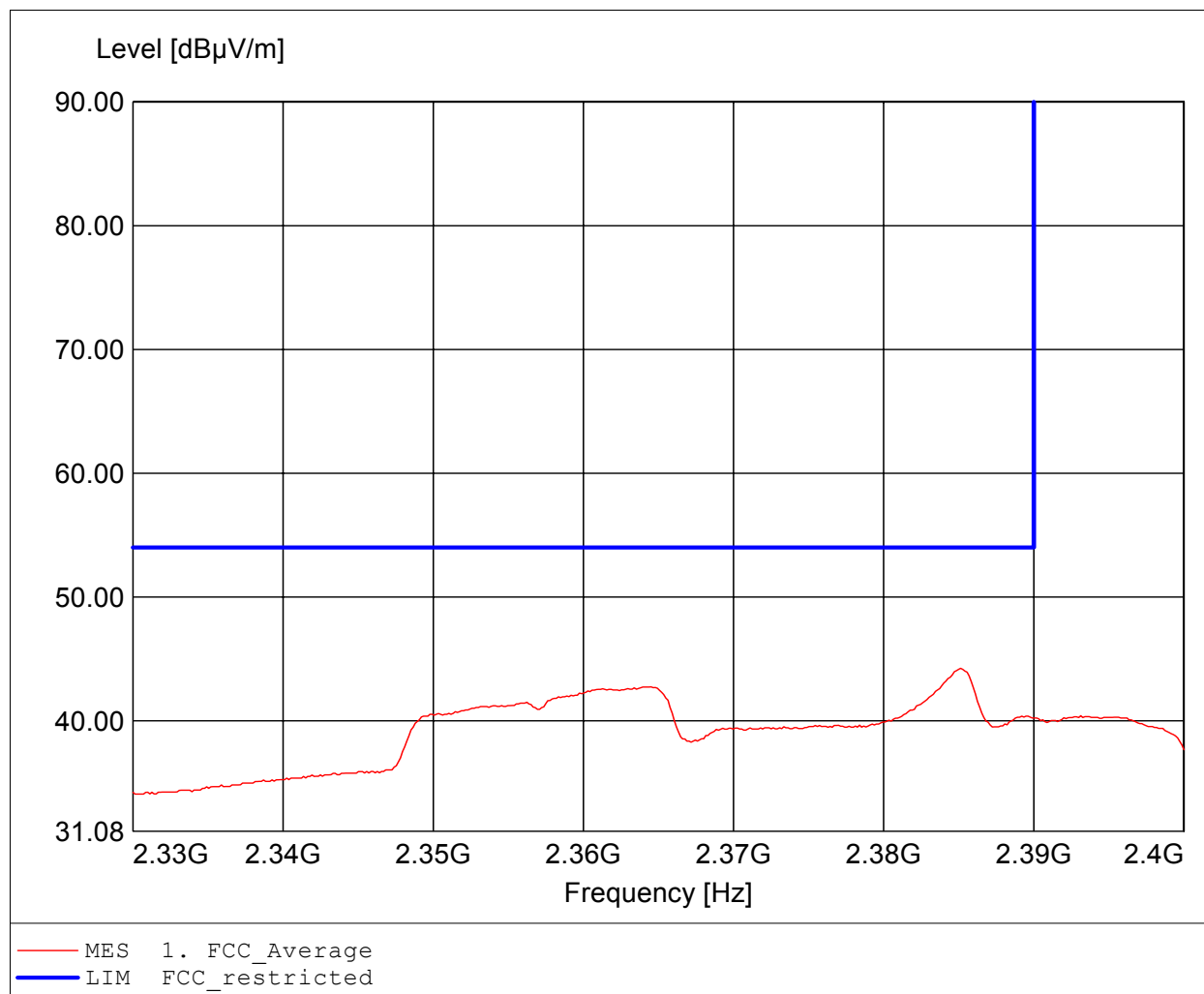
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 59.90dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

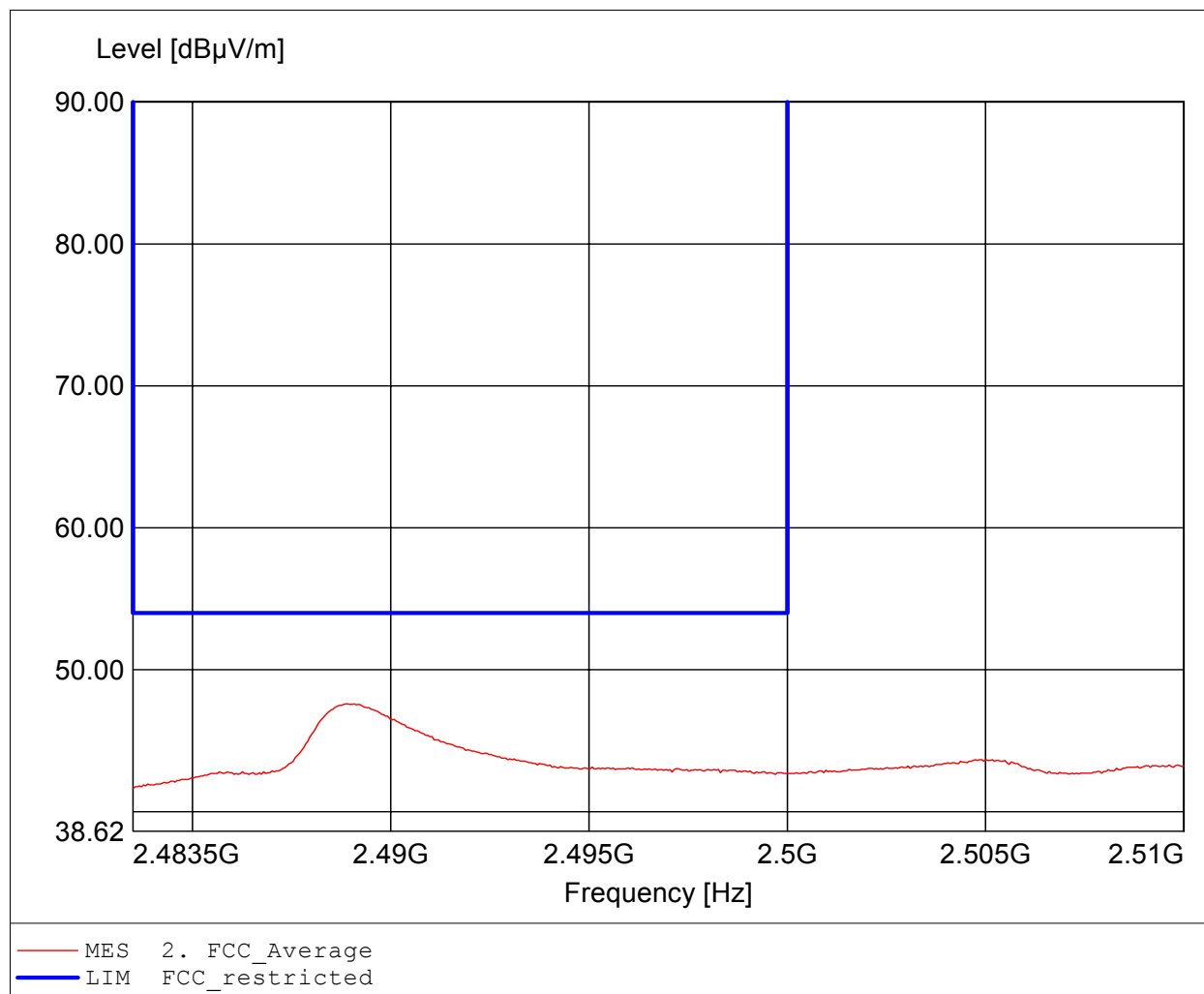
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.385GHz, Emax: 44.26dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

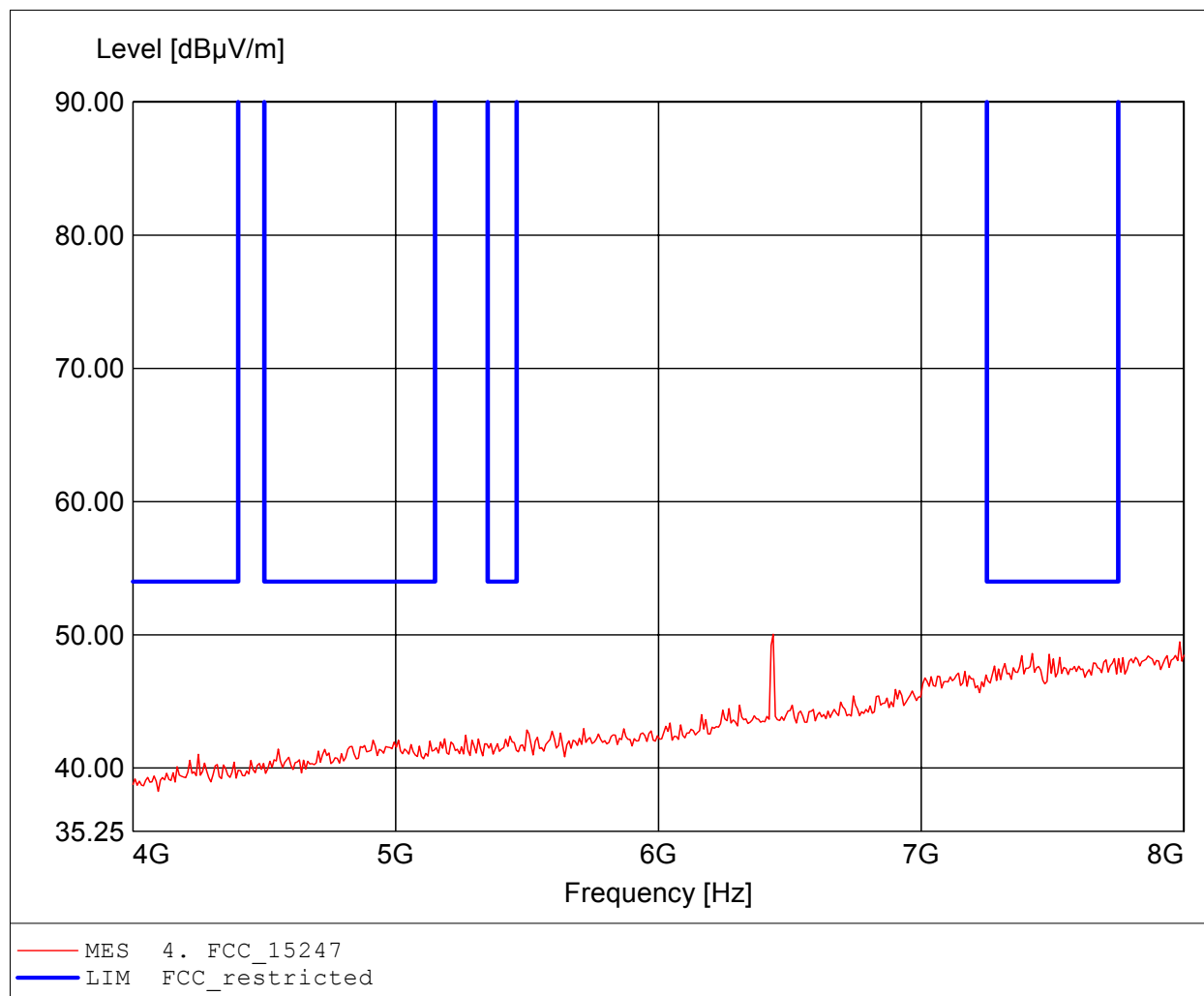
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.489GHz, Emax: 47.60dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

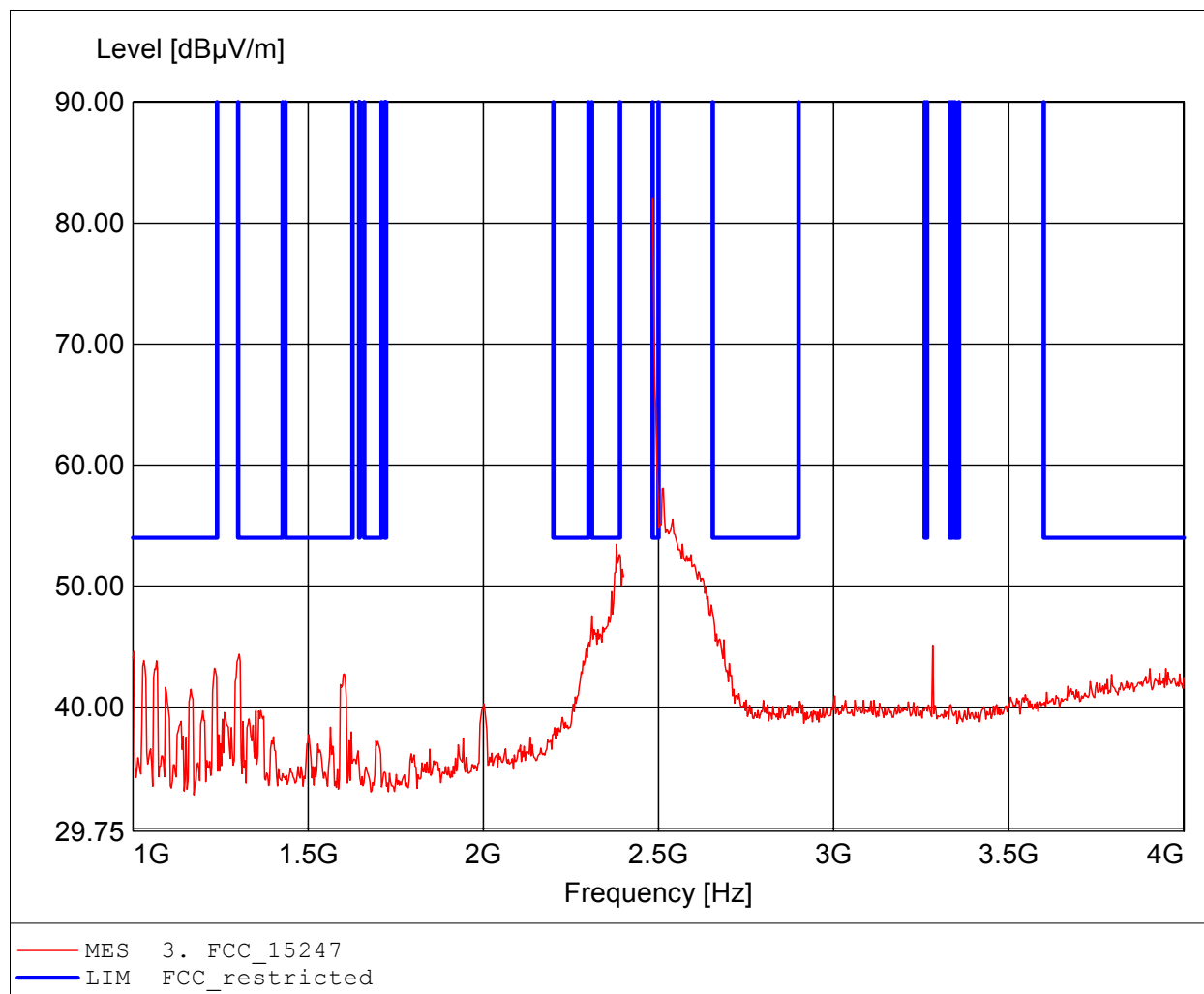
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.437GHz, Emax: 50.04dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

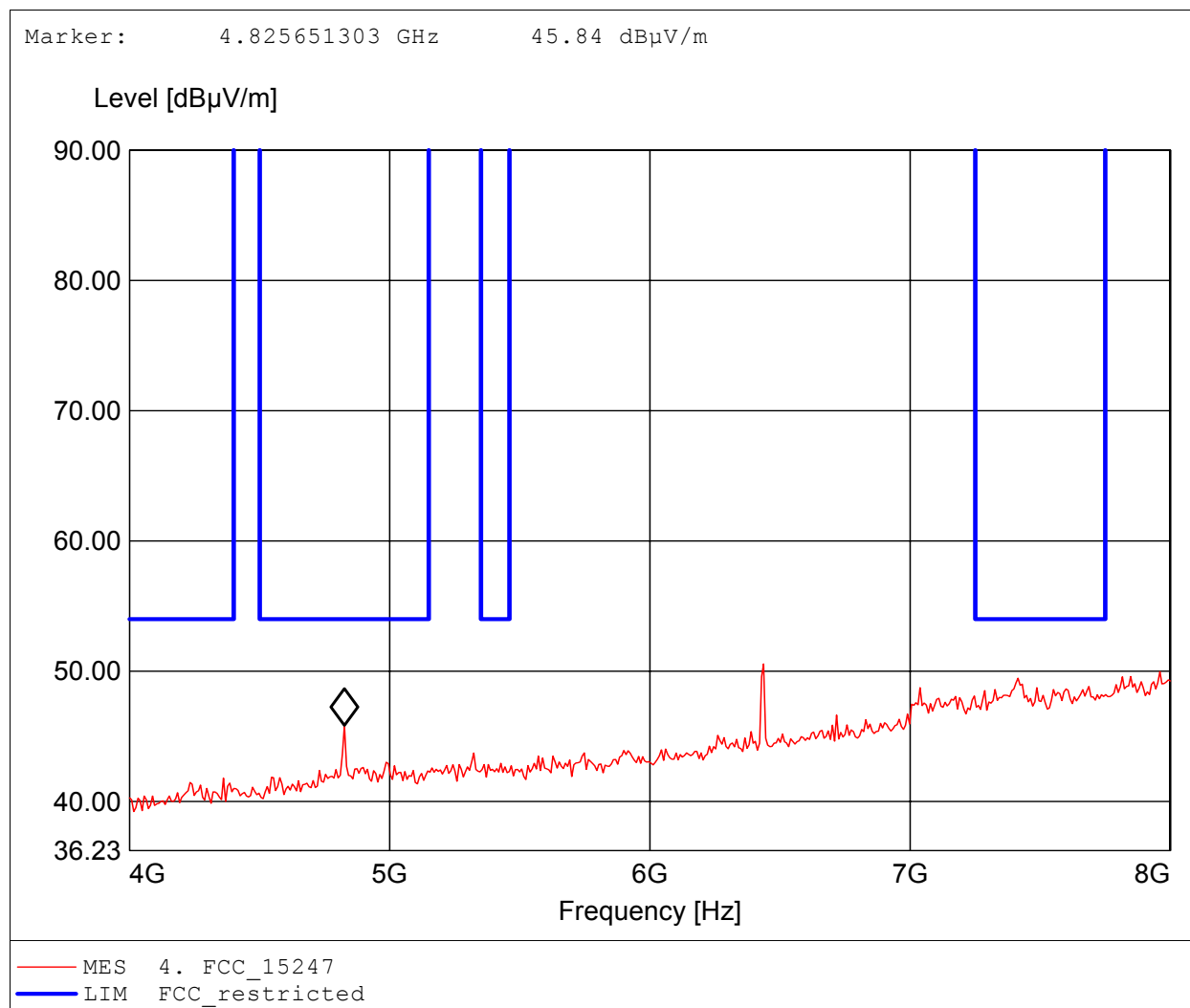
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2462 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 82.00dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

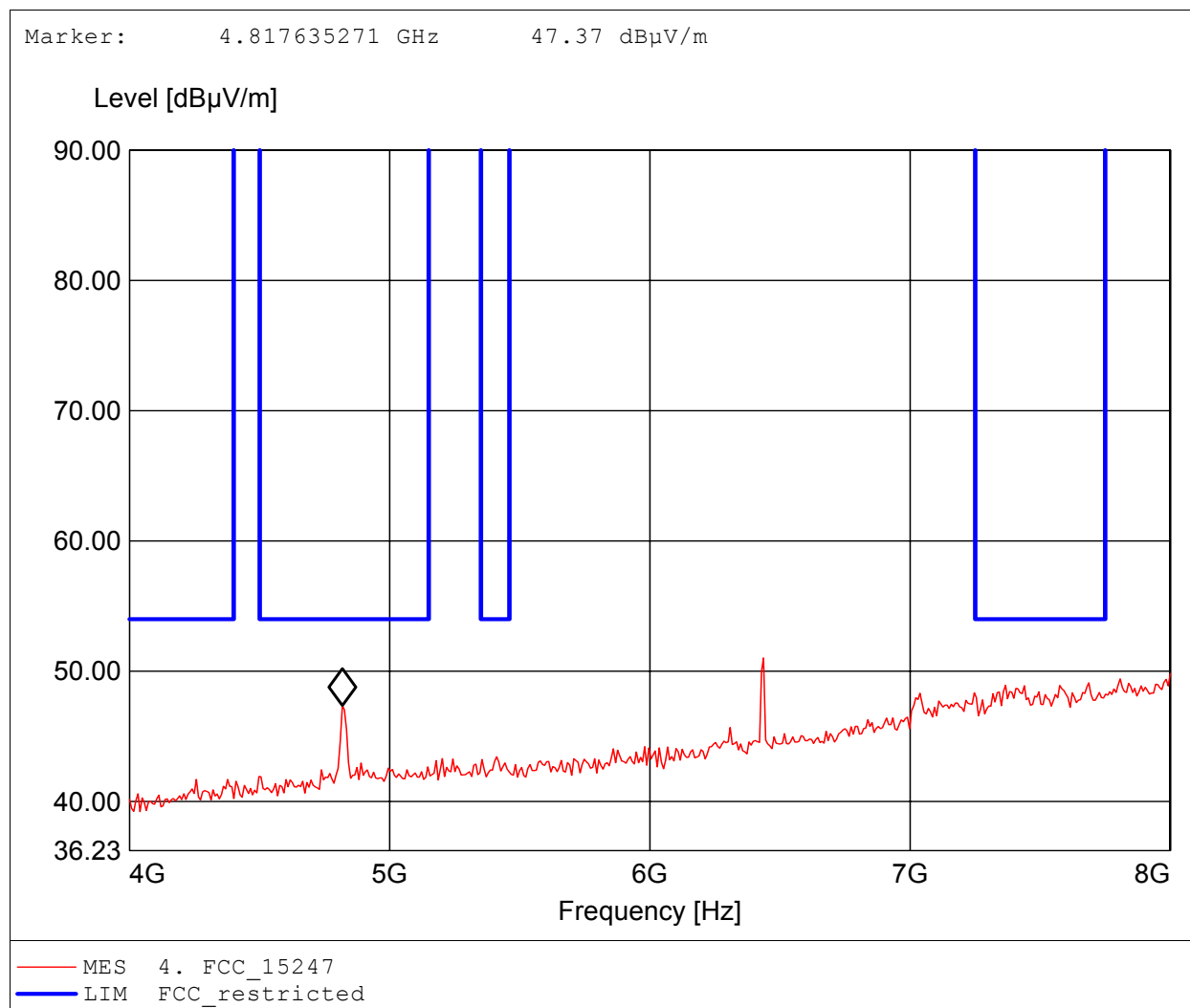
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.437GHz, Emax: 50.55dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

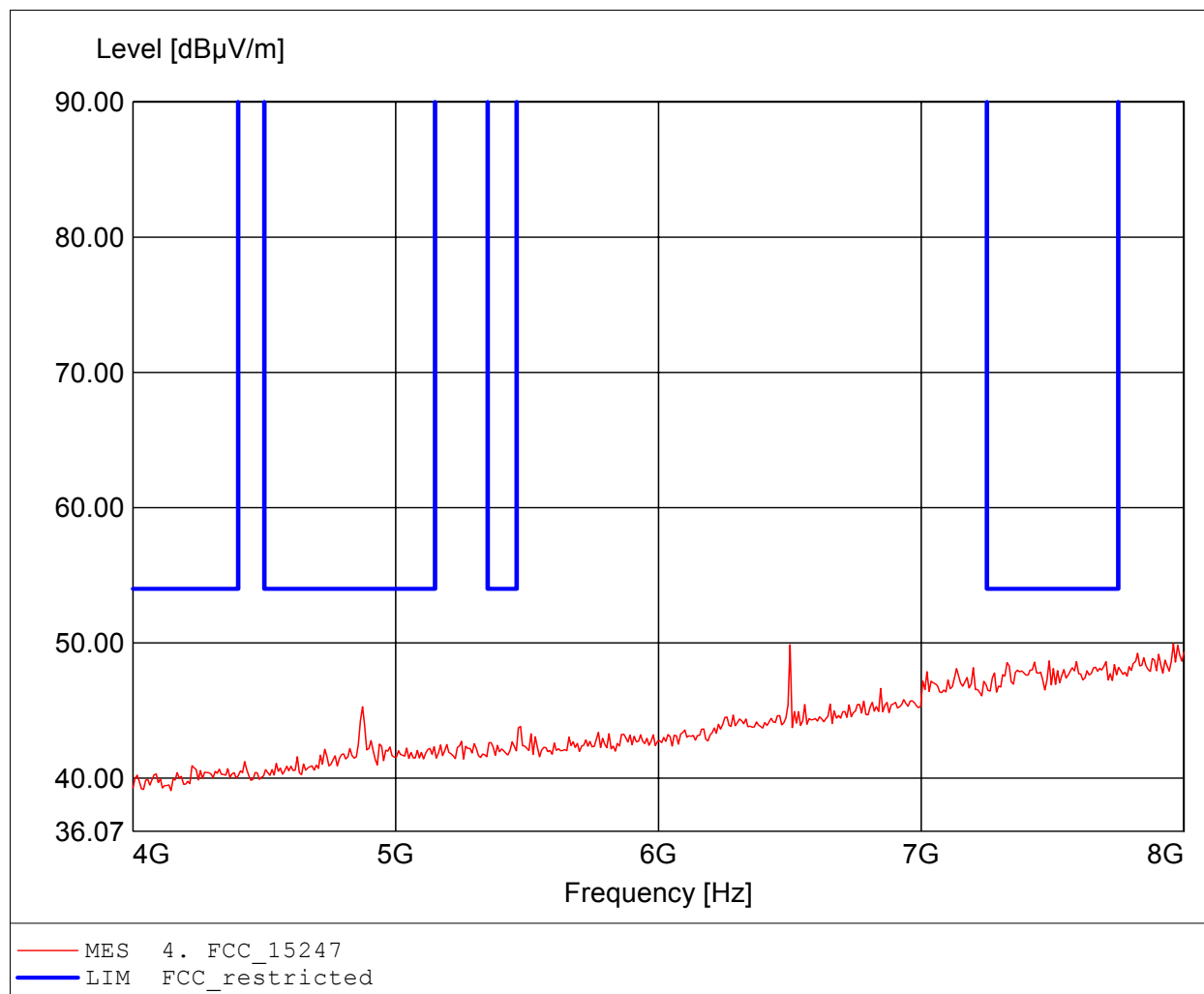
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.437GHz, Emax: 51.03dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

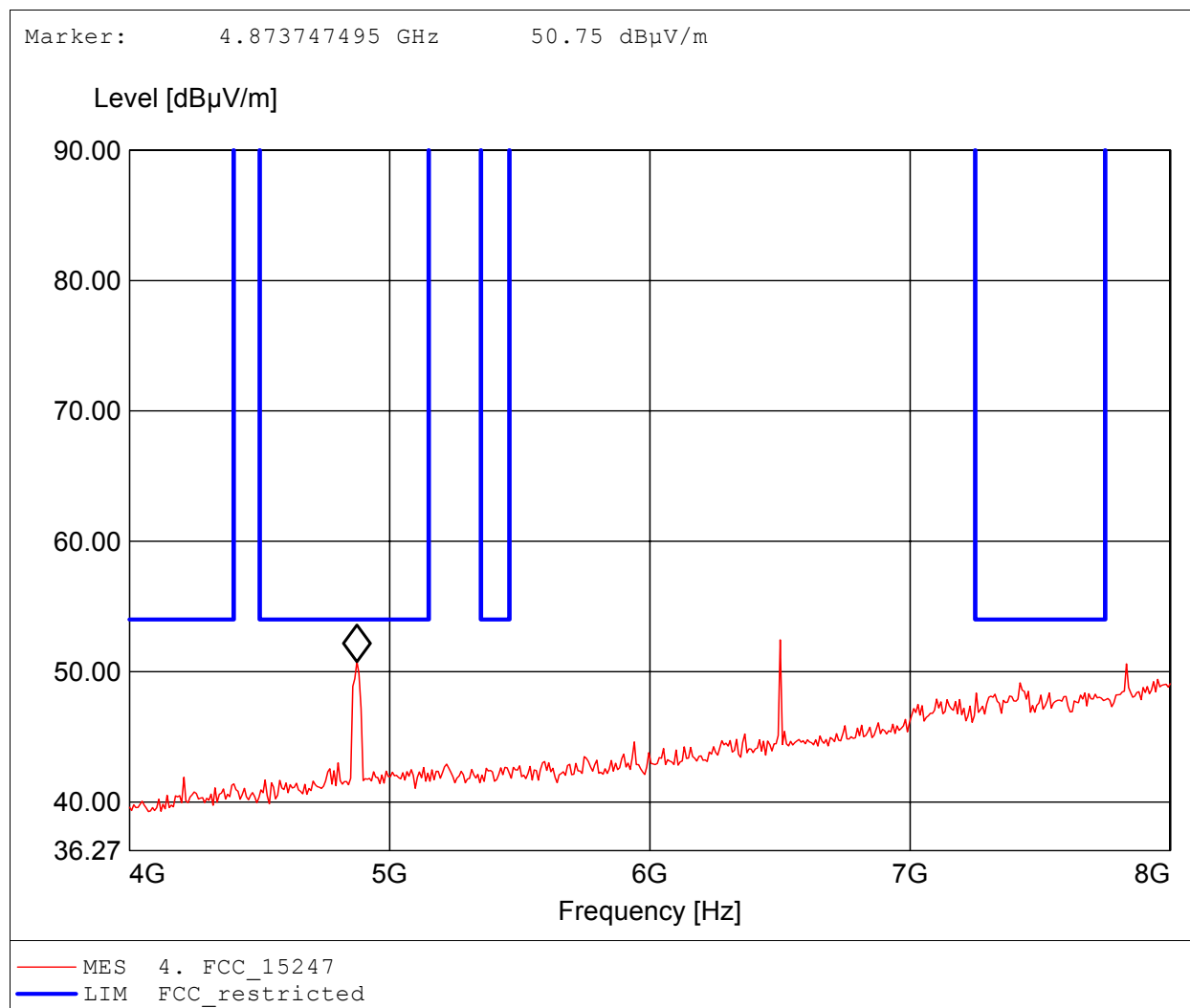
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.960GHz, Emax: 49.94dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

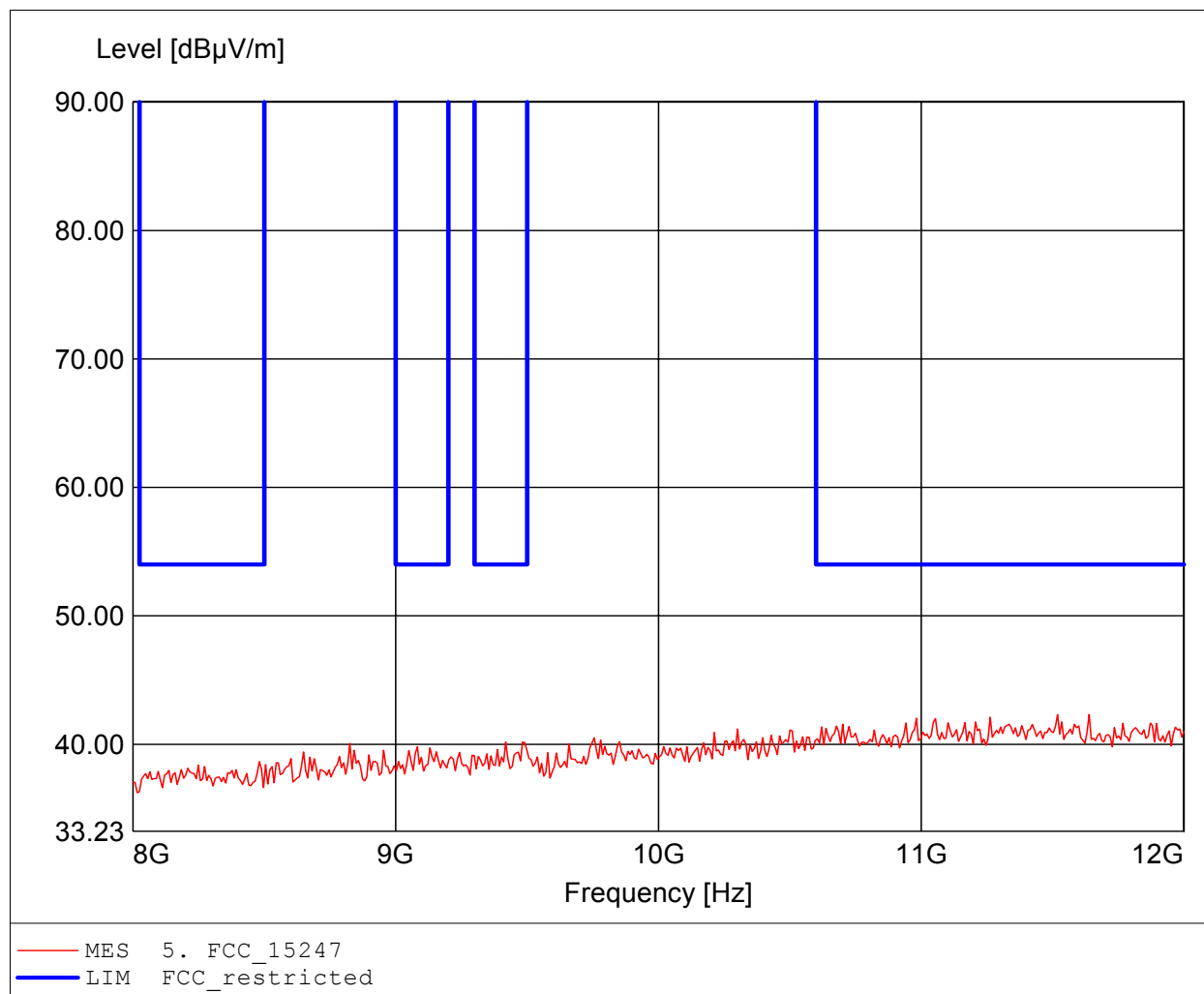
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.501GHz, Emax: 52.44dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

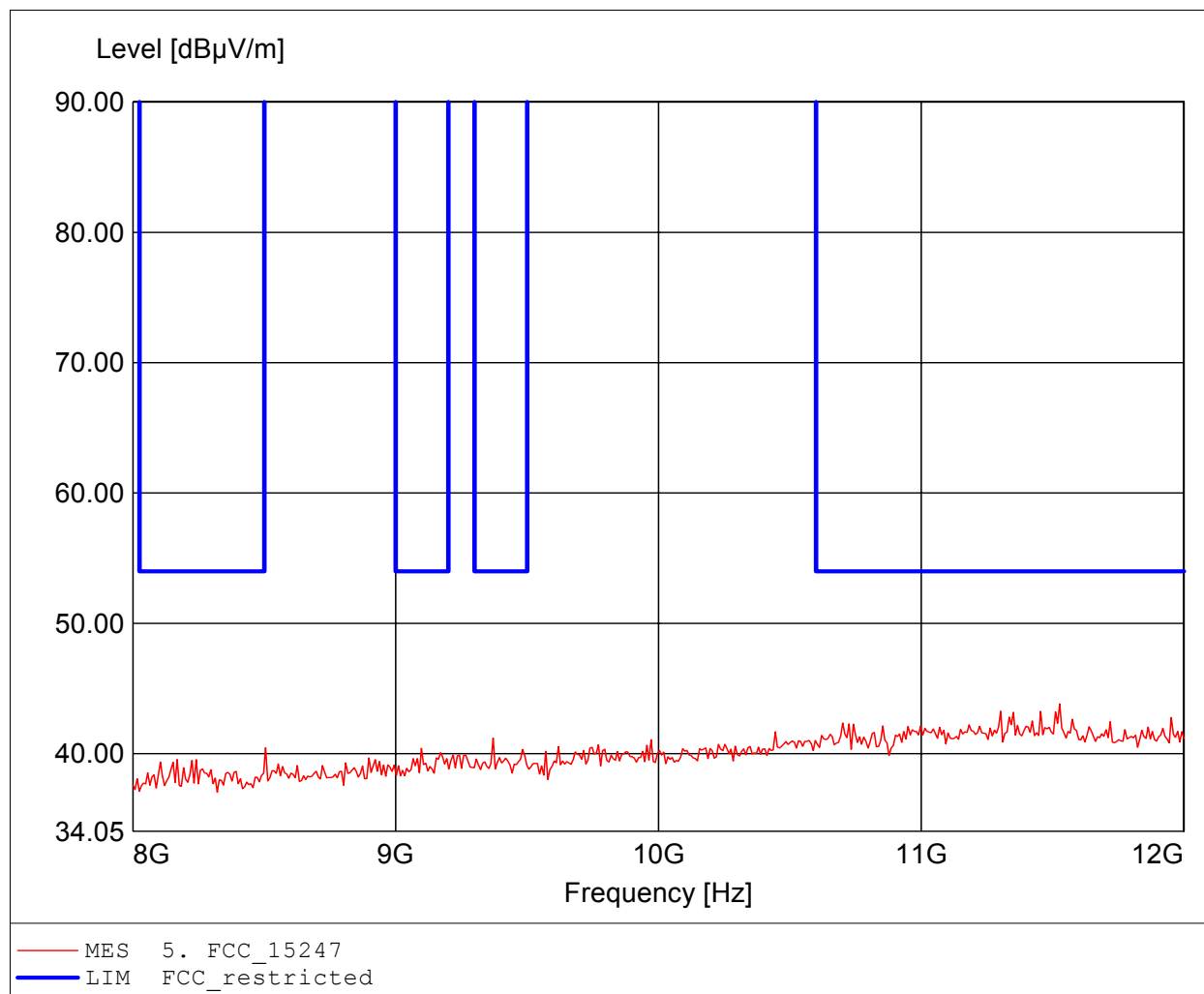
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.639GHz, Emax: 42.32dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

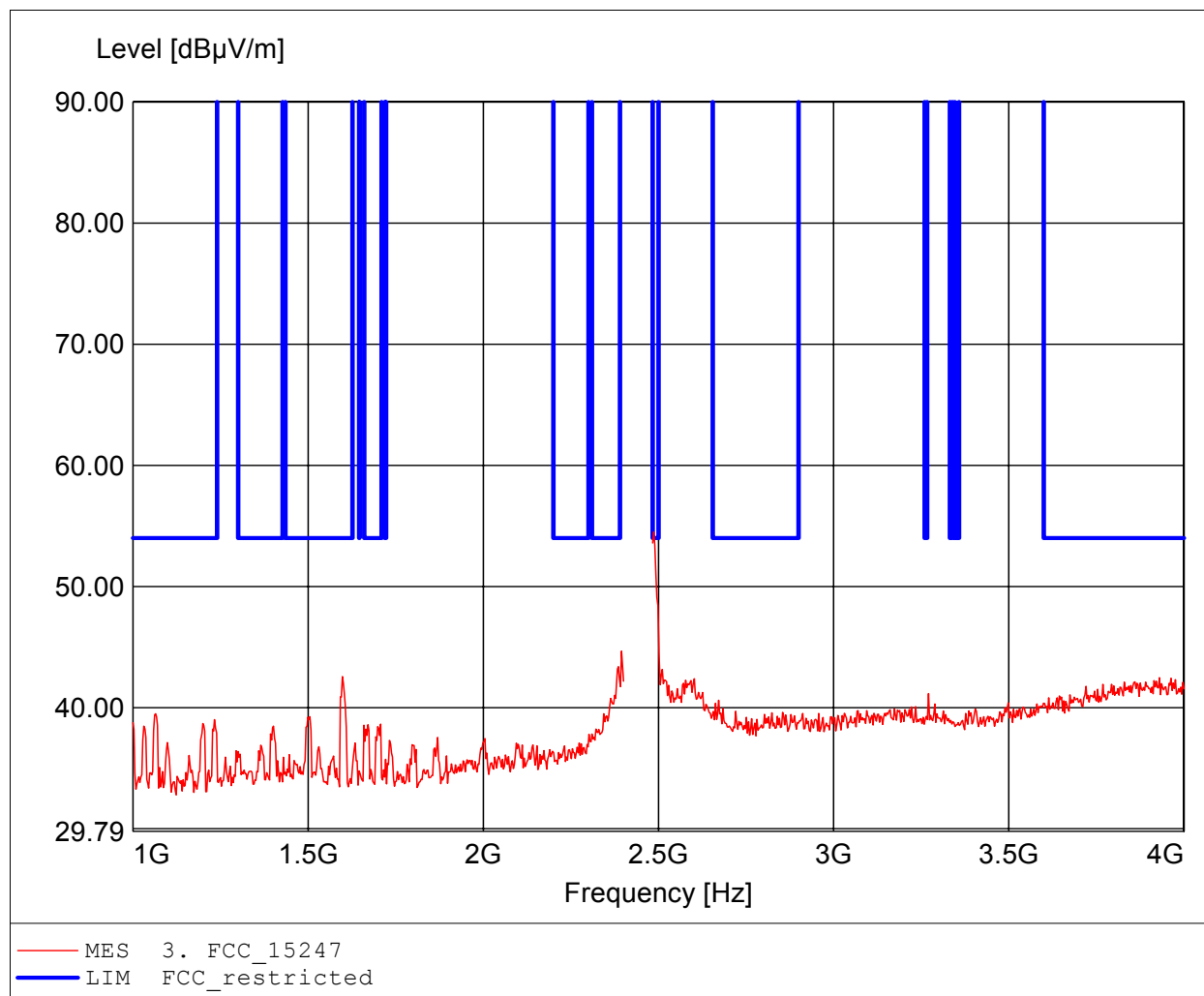
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT20, 2412 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.527GHz, Emax: 43.82dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

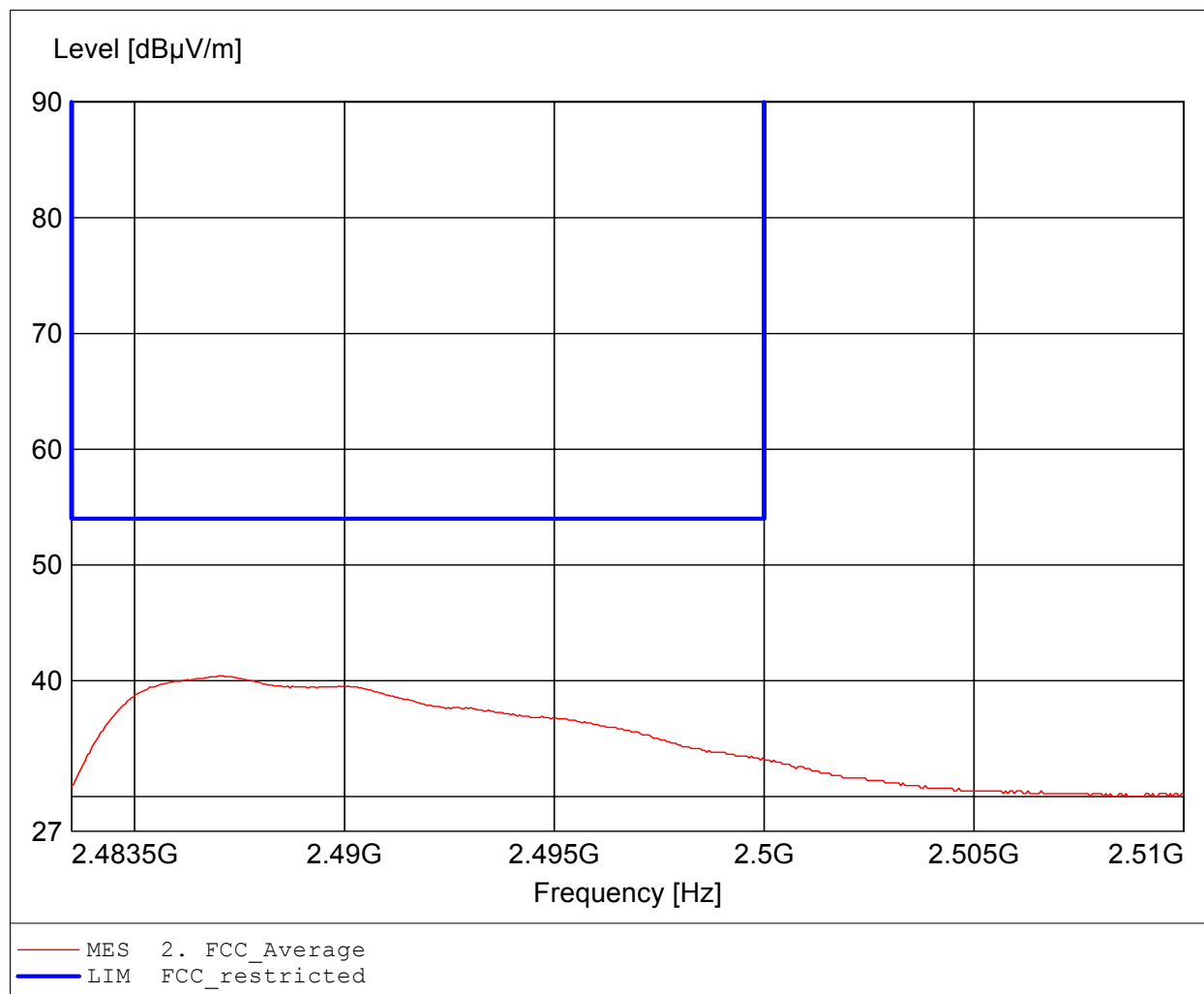
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2452 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 54.50dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

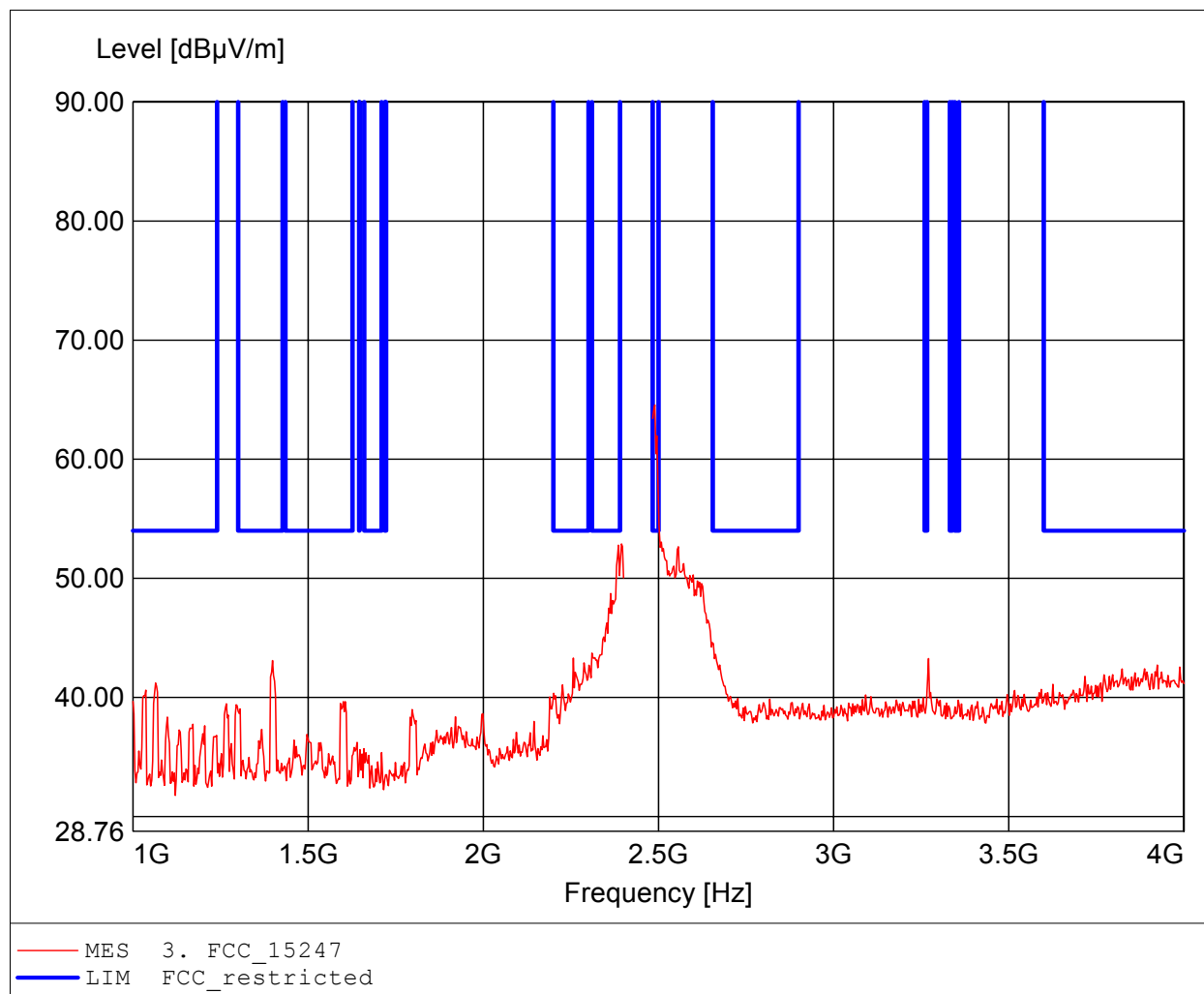
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2452 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 40.43dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

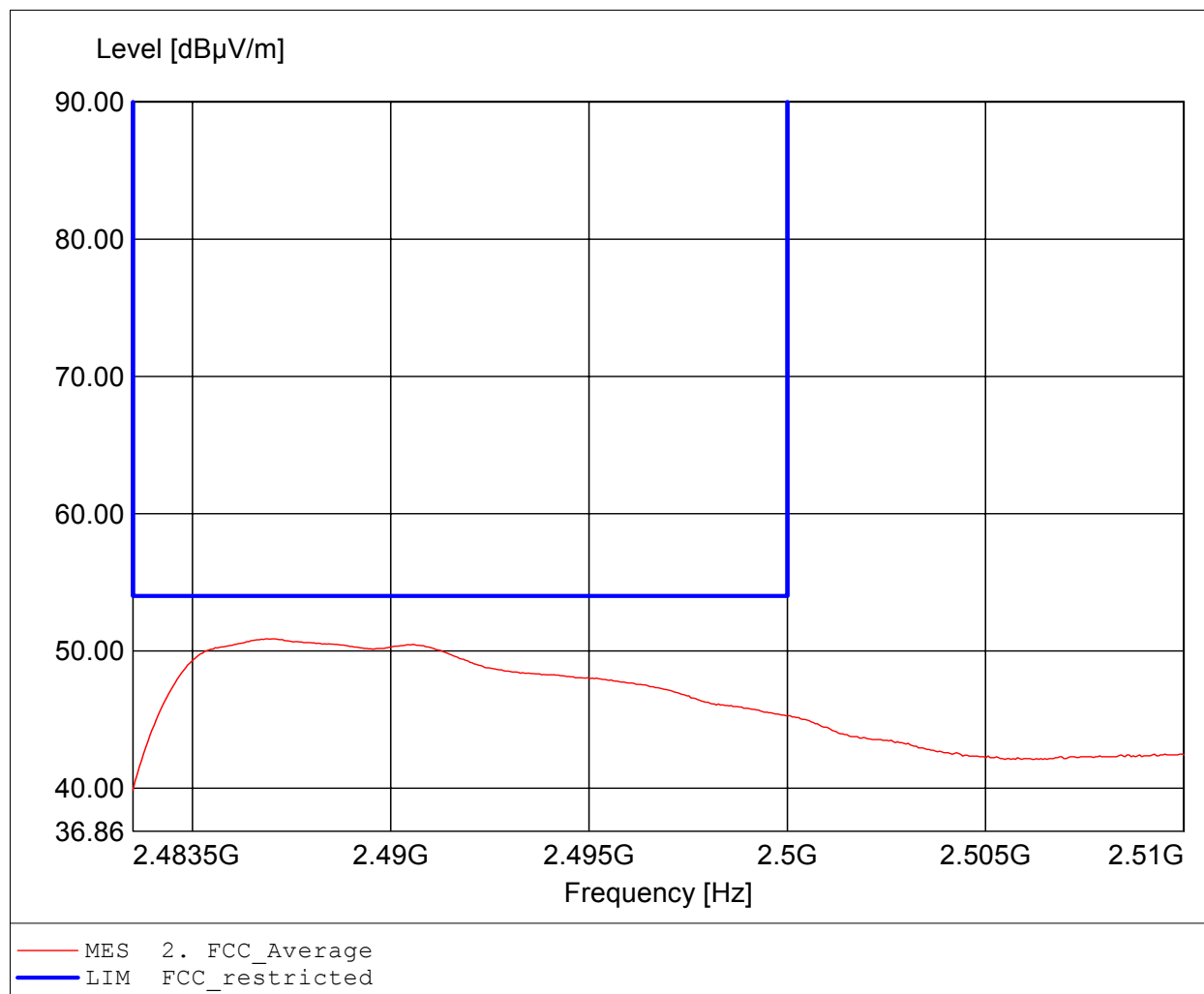
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2452 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.490GHz, Emax: 64.55dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

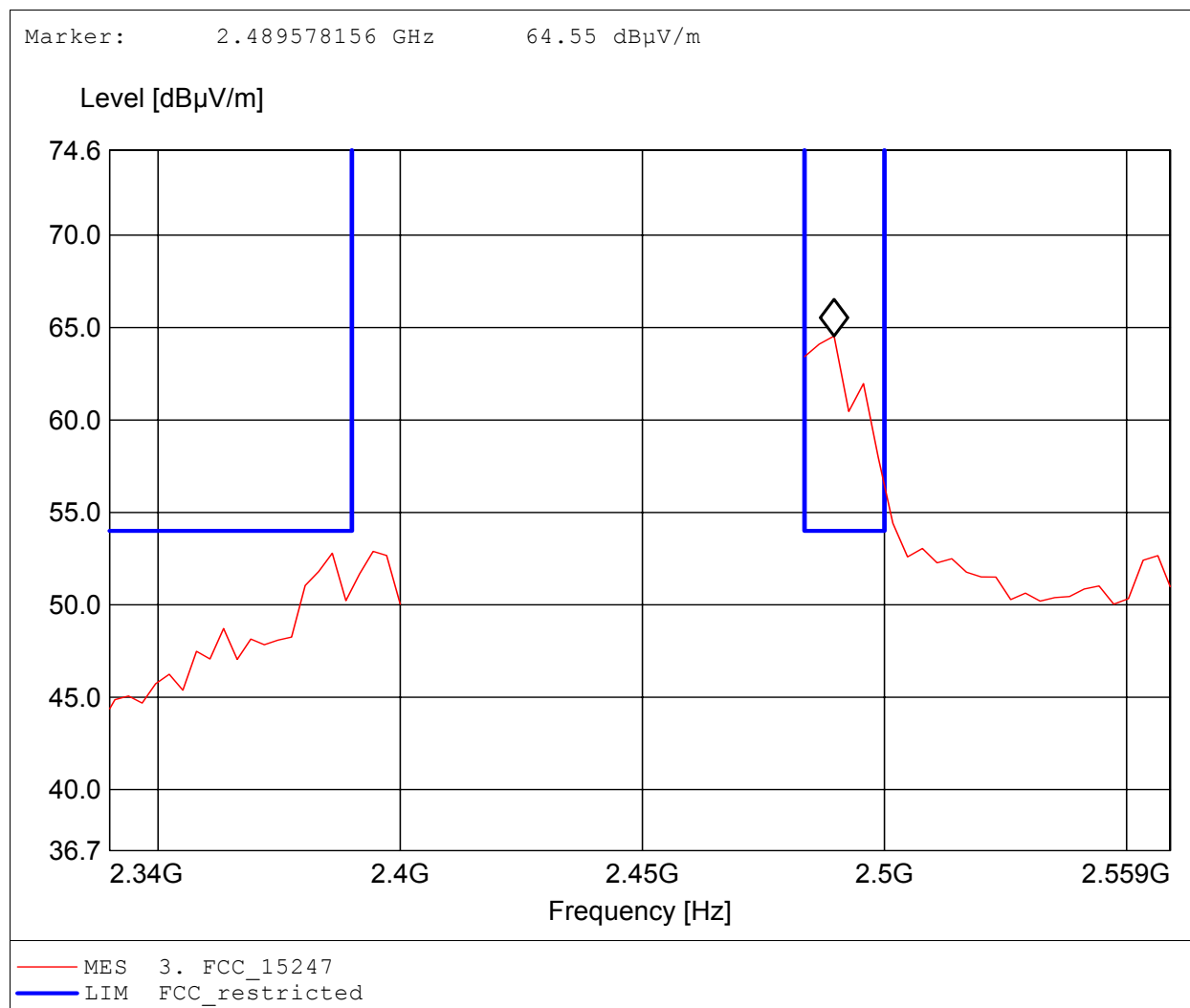
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2452 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 50.88dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

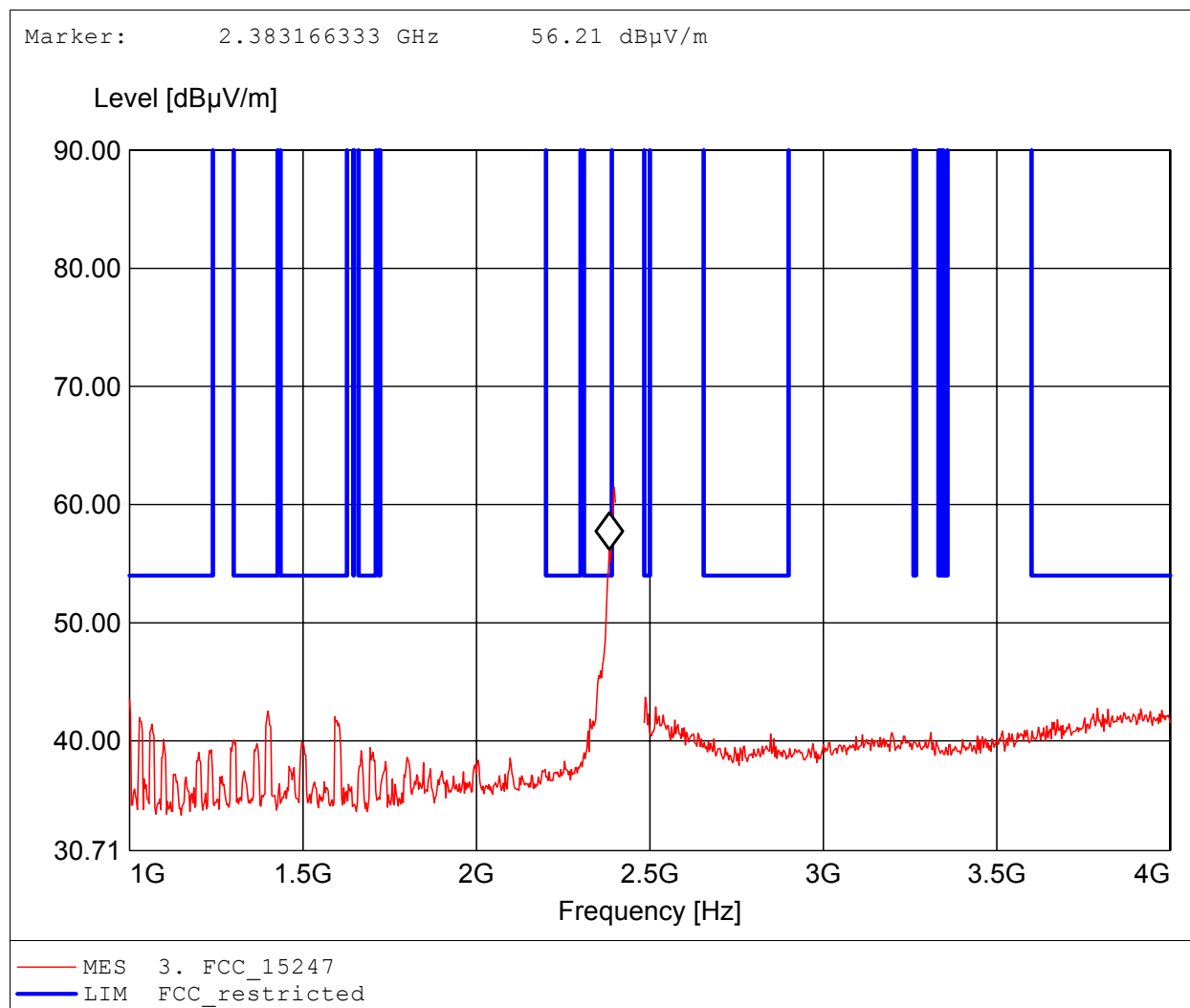
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2452 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.490GHz, Emax: 64.55dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

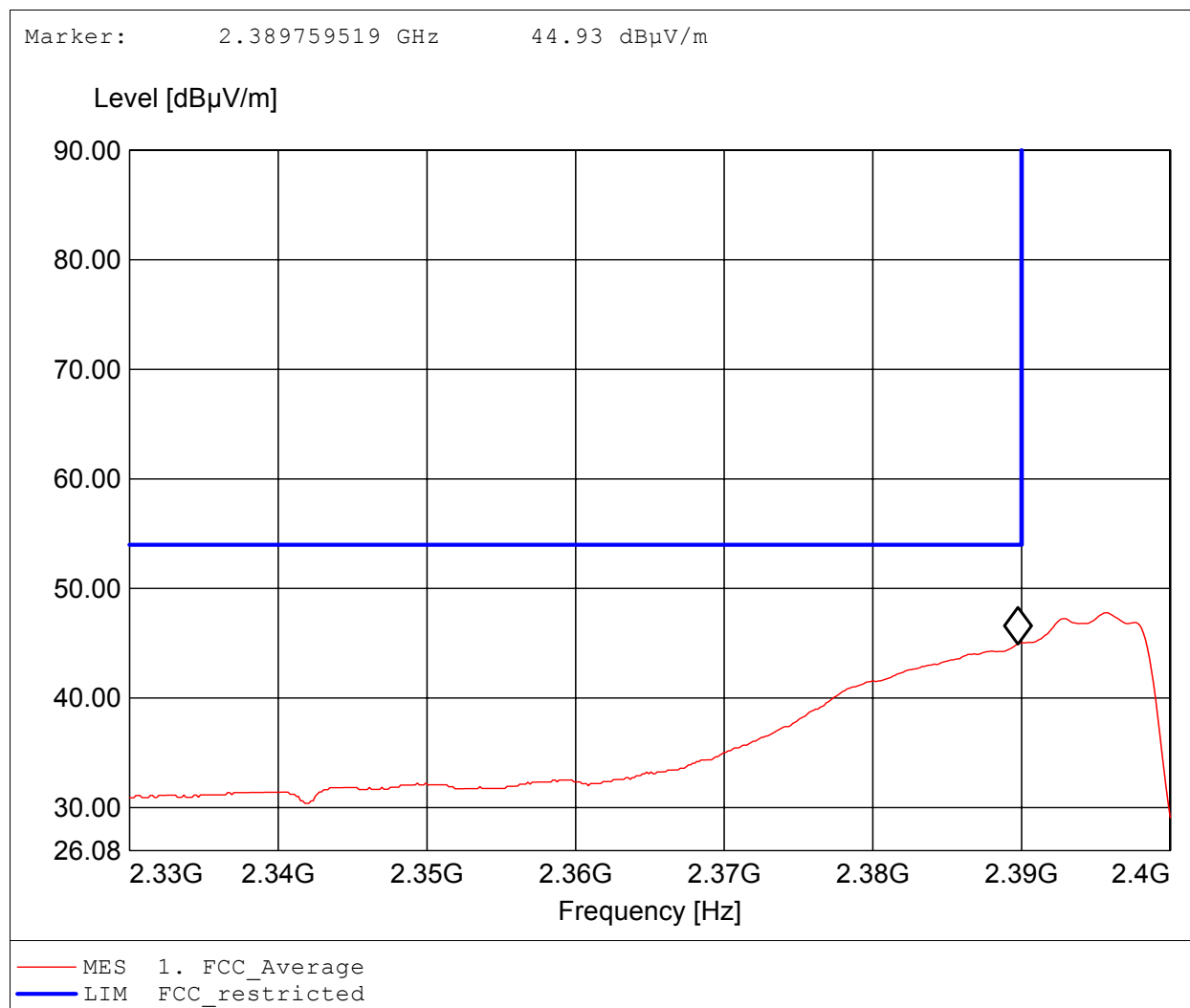
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 61.49dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

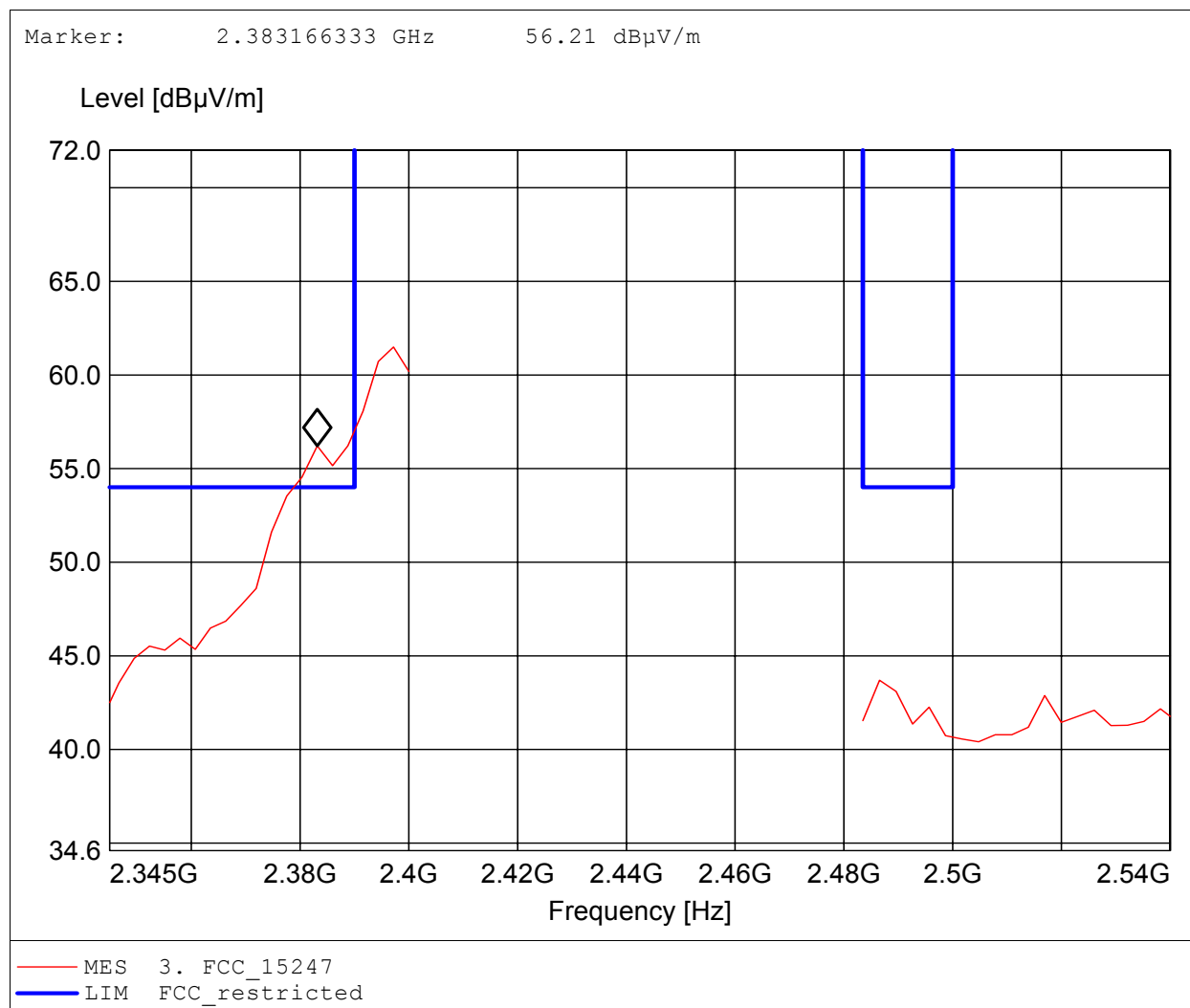
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.396GHz, Emax: 47.78dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

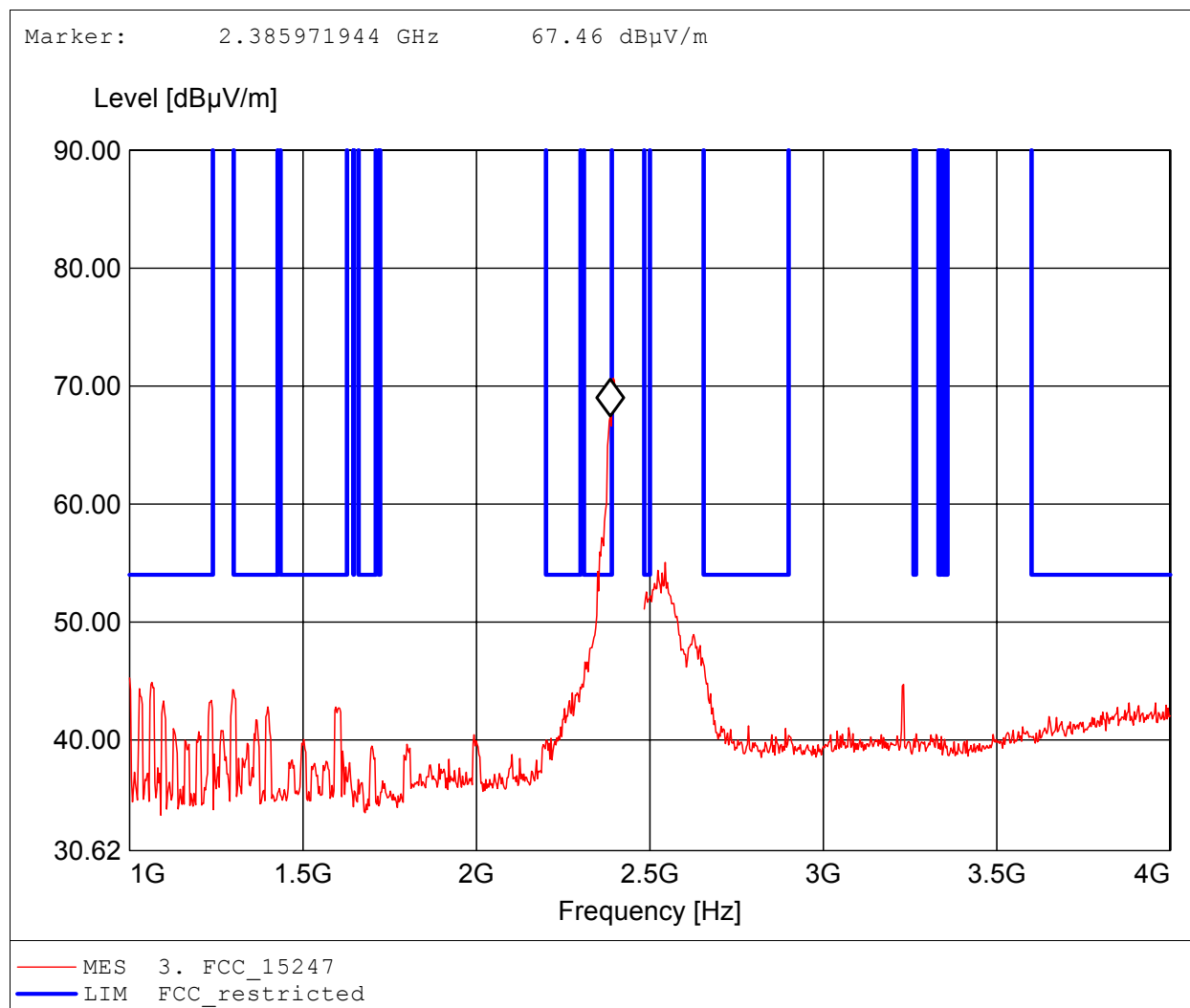
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 61.49dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

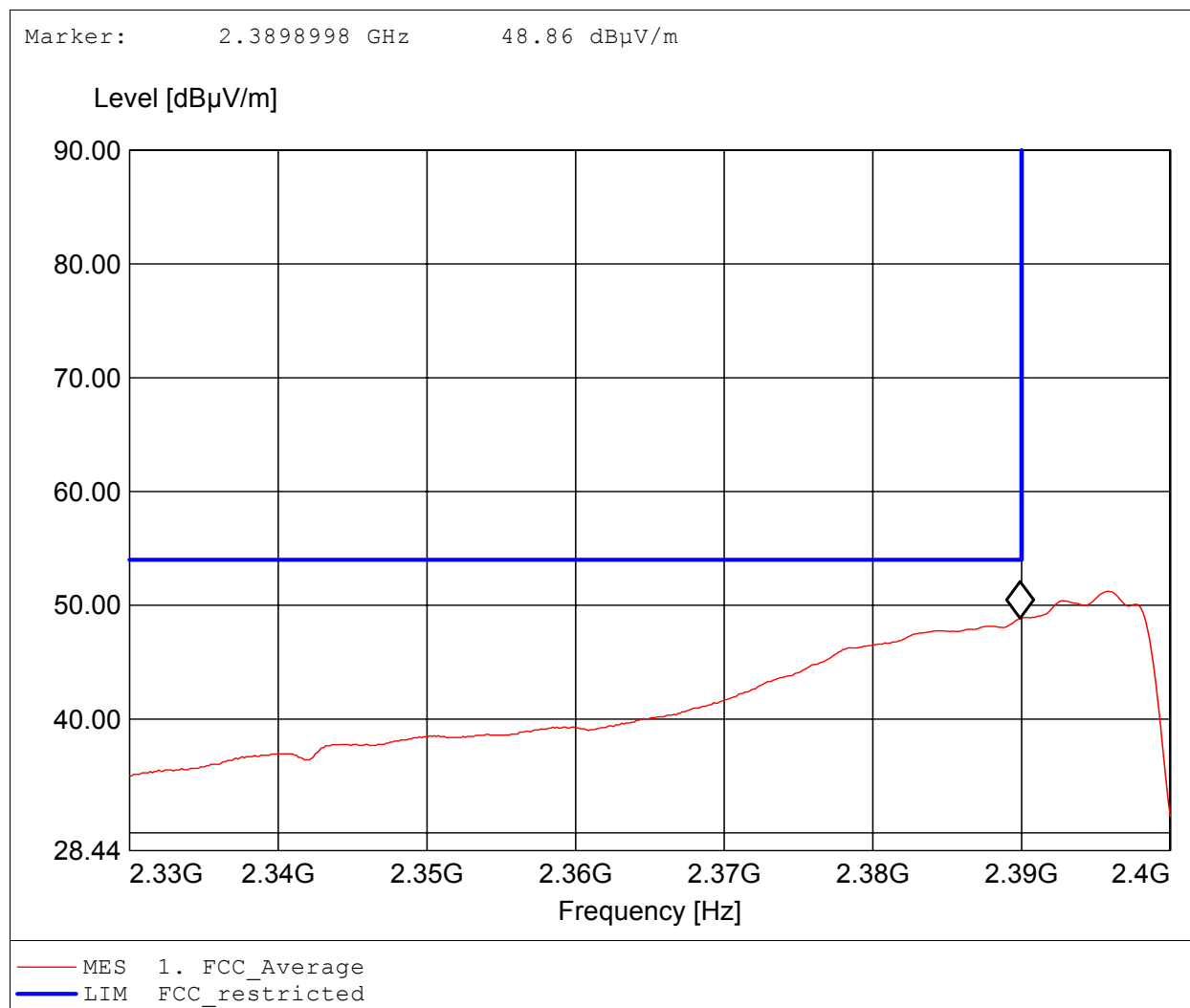
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.394GHz, Emax: 70.67dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

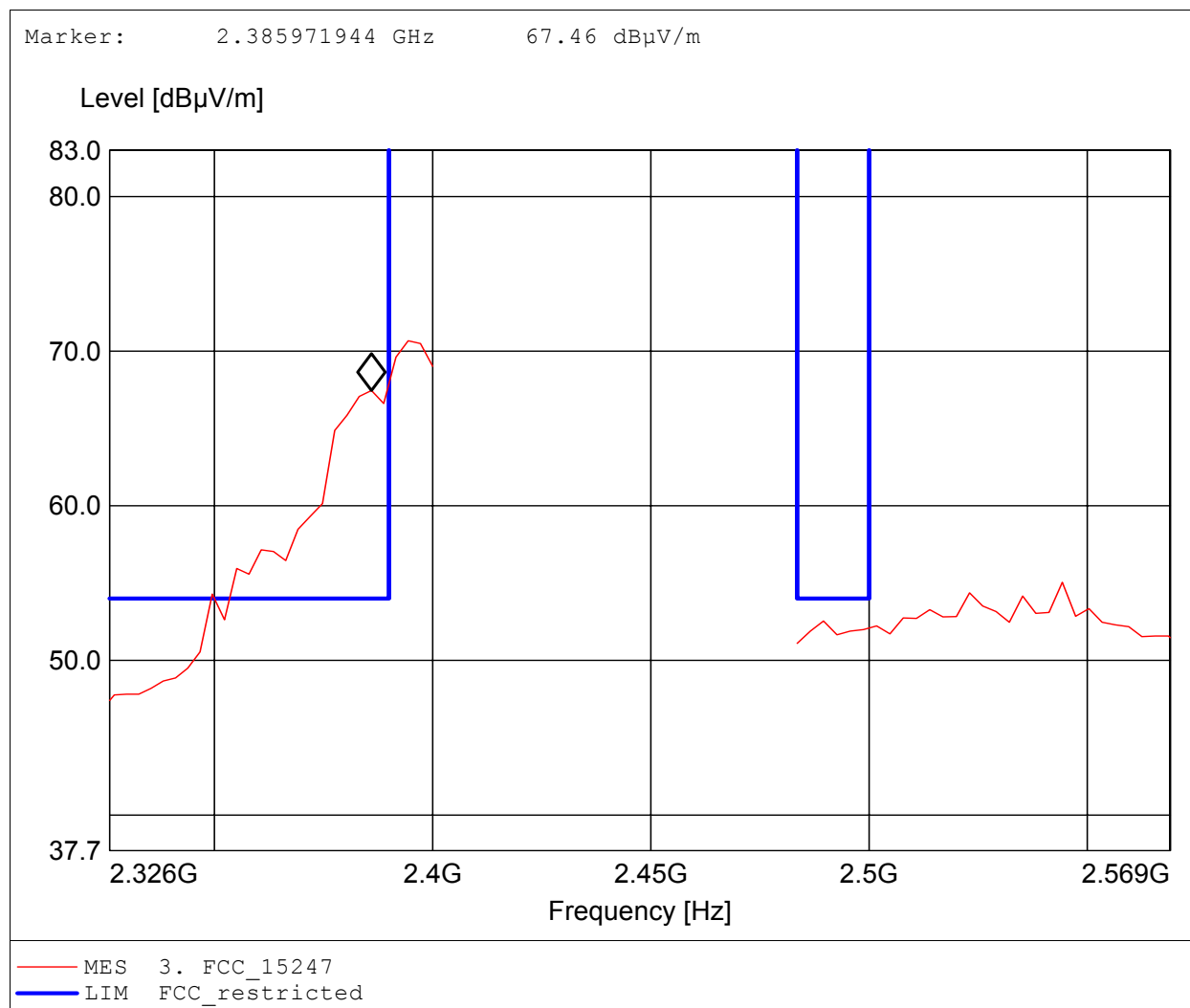
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.396GHz, Emax: 51.25dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

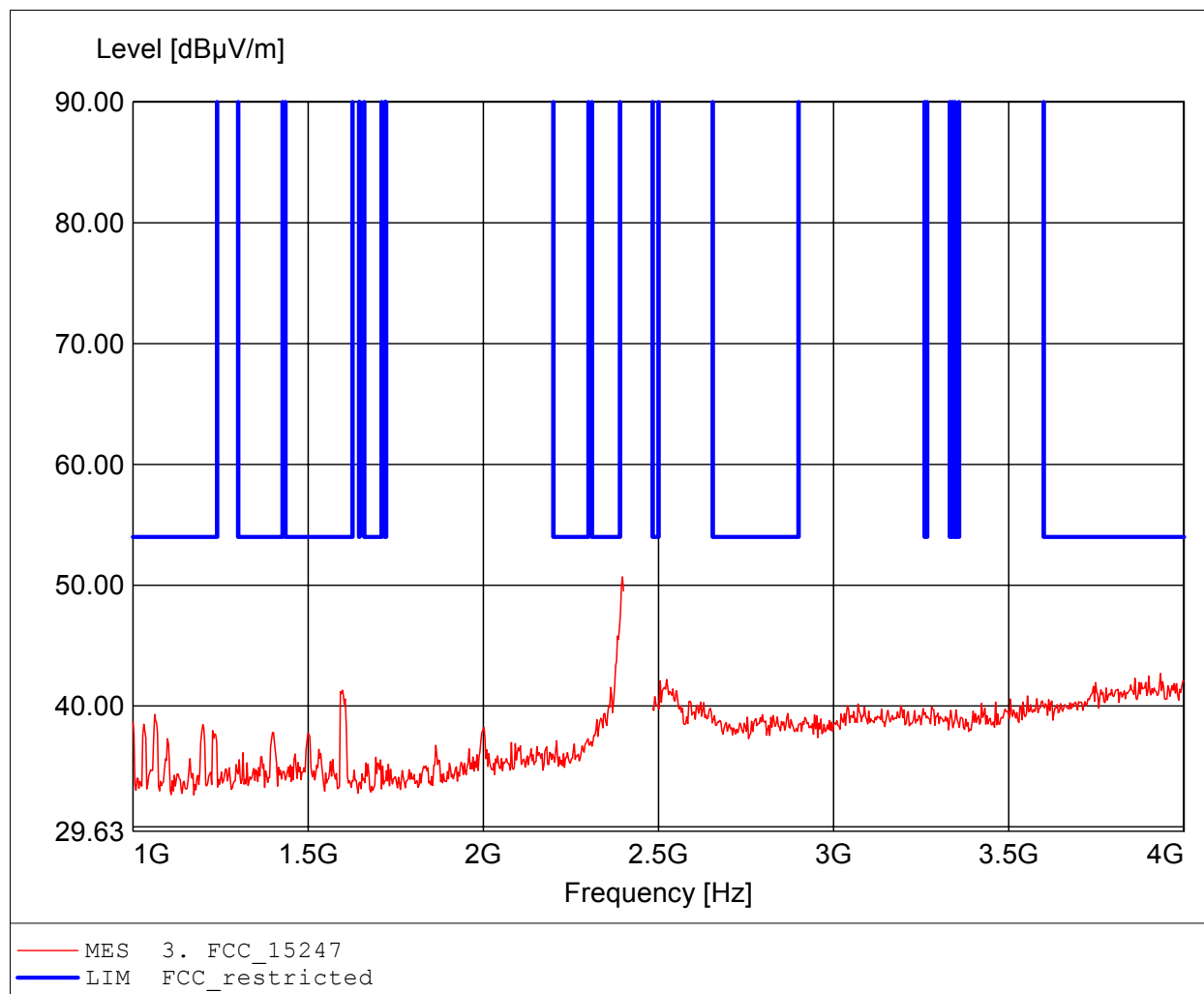
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.394GHz, Emax: 70.67dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

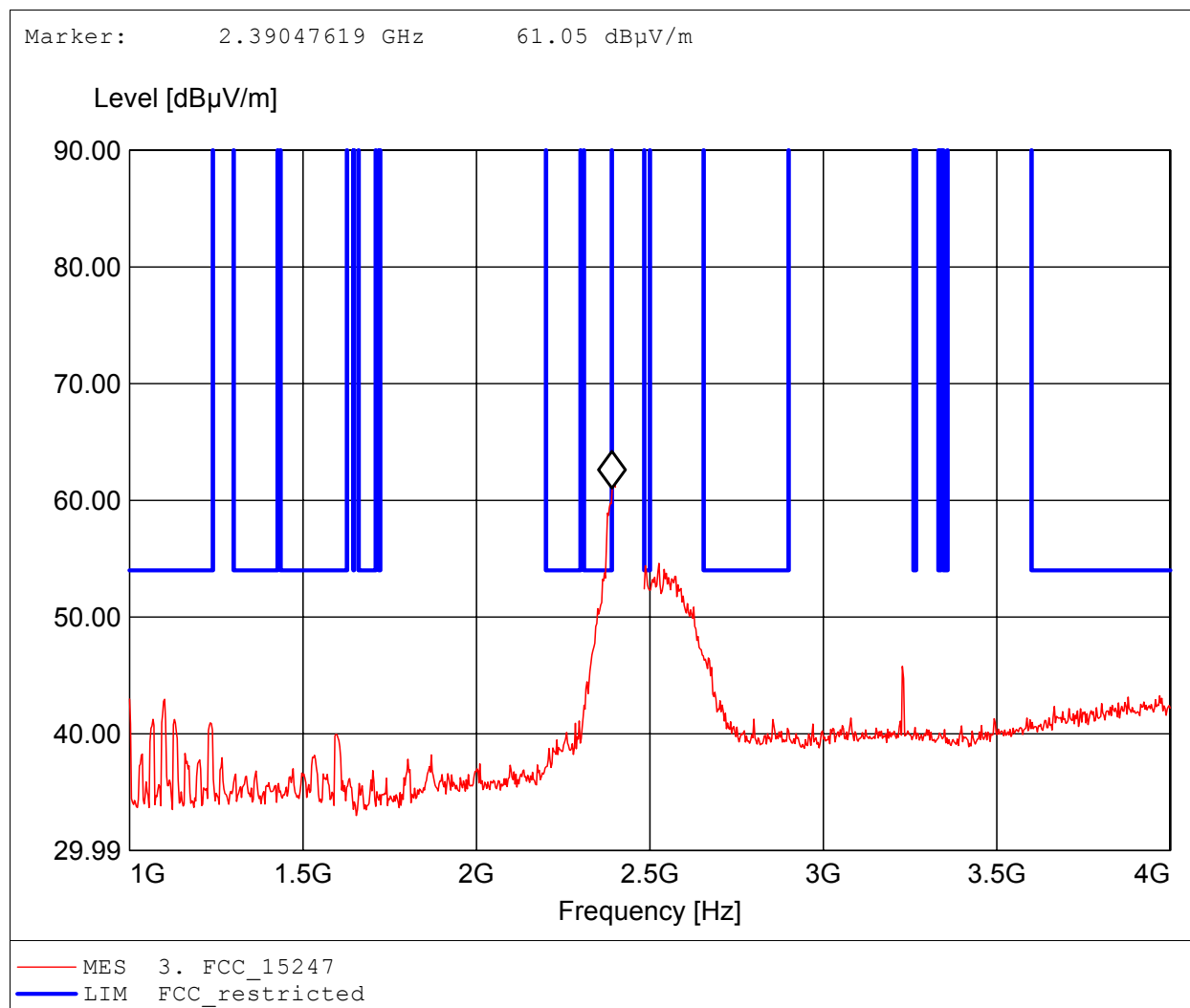
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 50.70dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

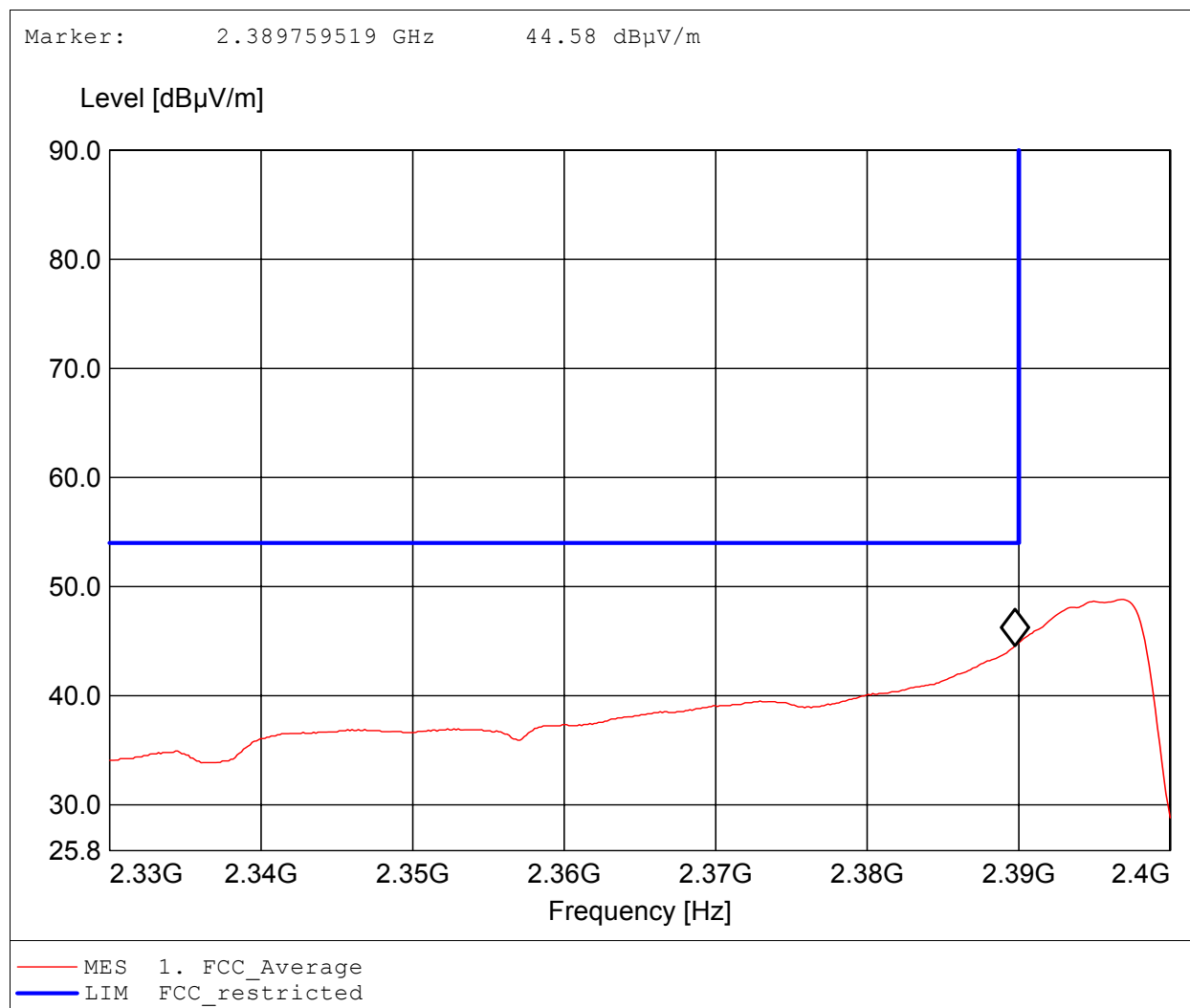
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 63.55dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

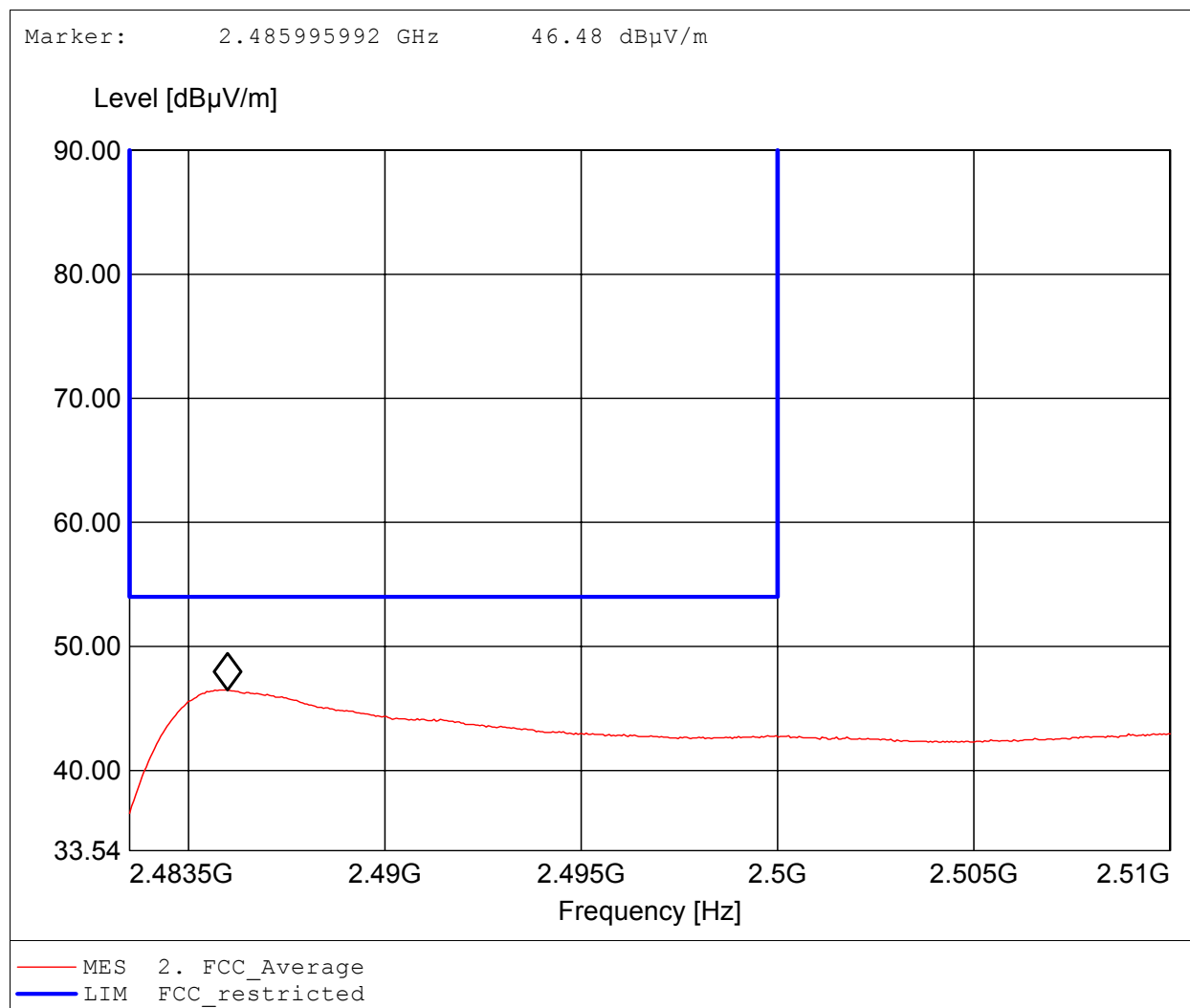
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 48.83dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

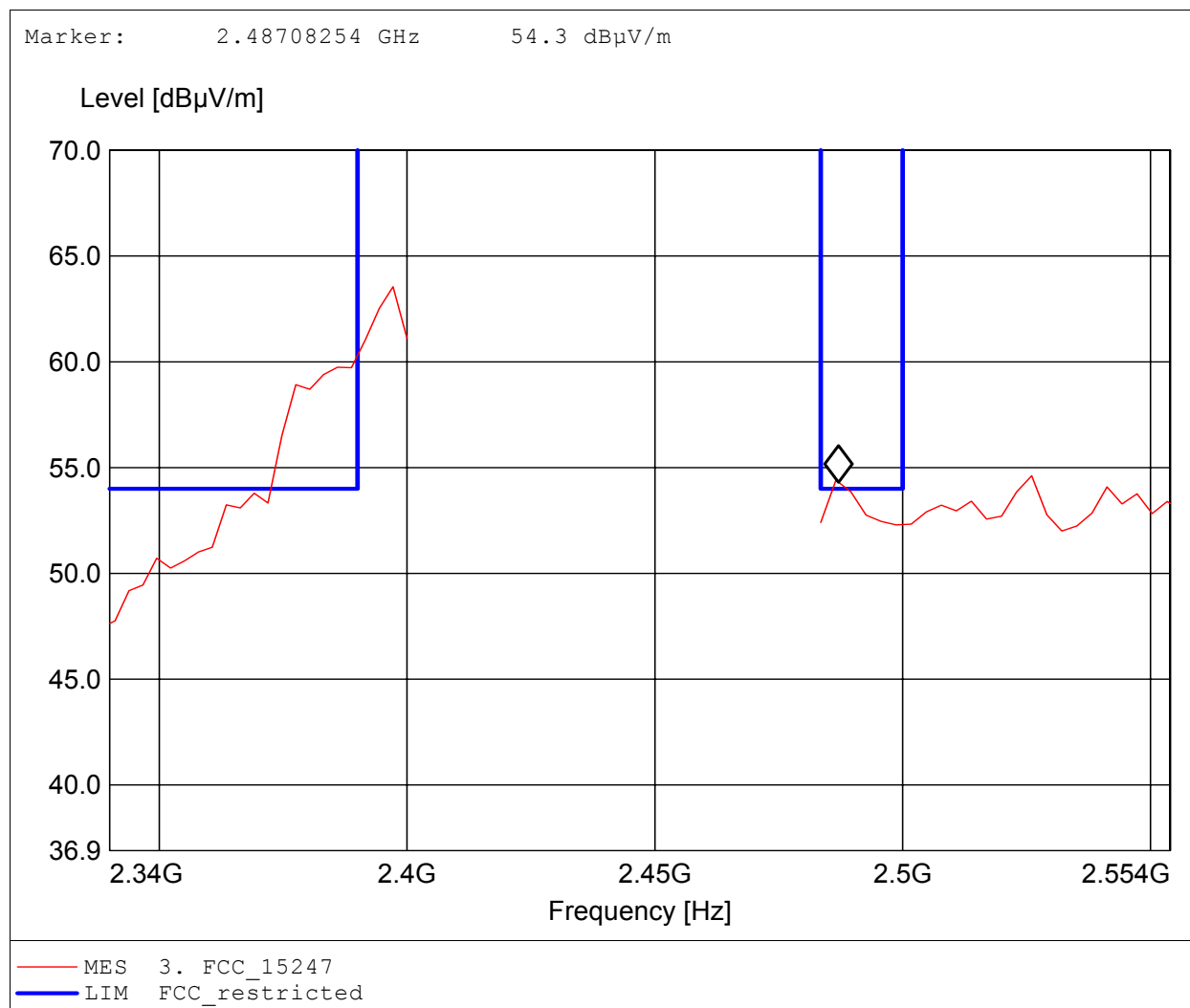
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.486GHz, Emax: 46.48dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

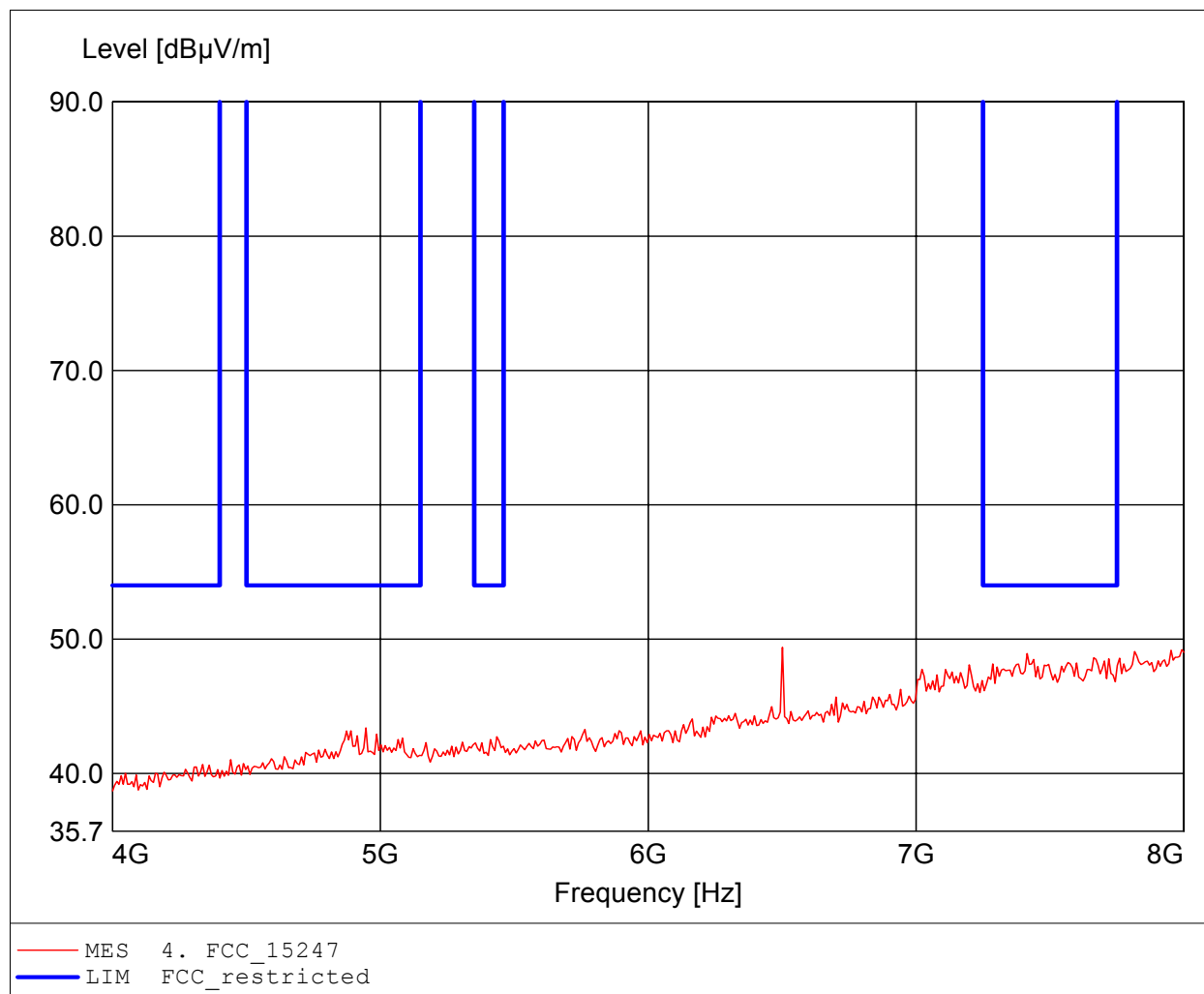
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 63.55dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

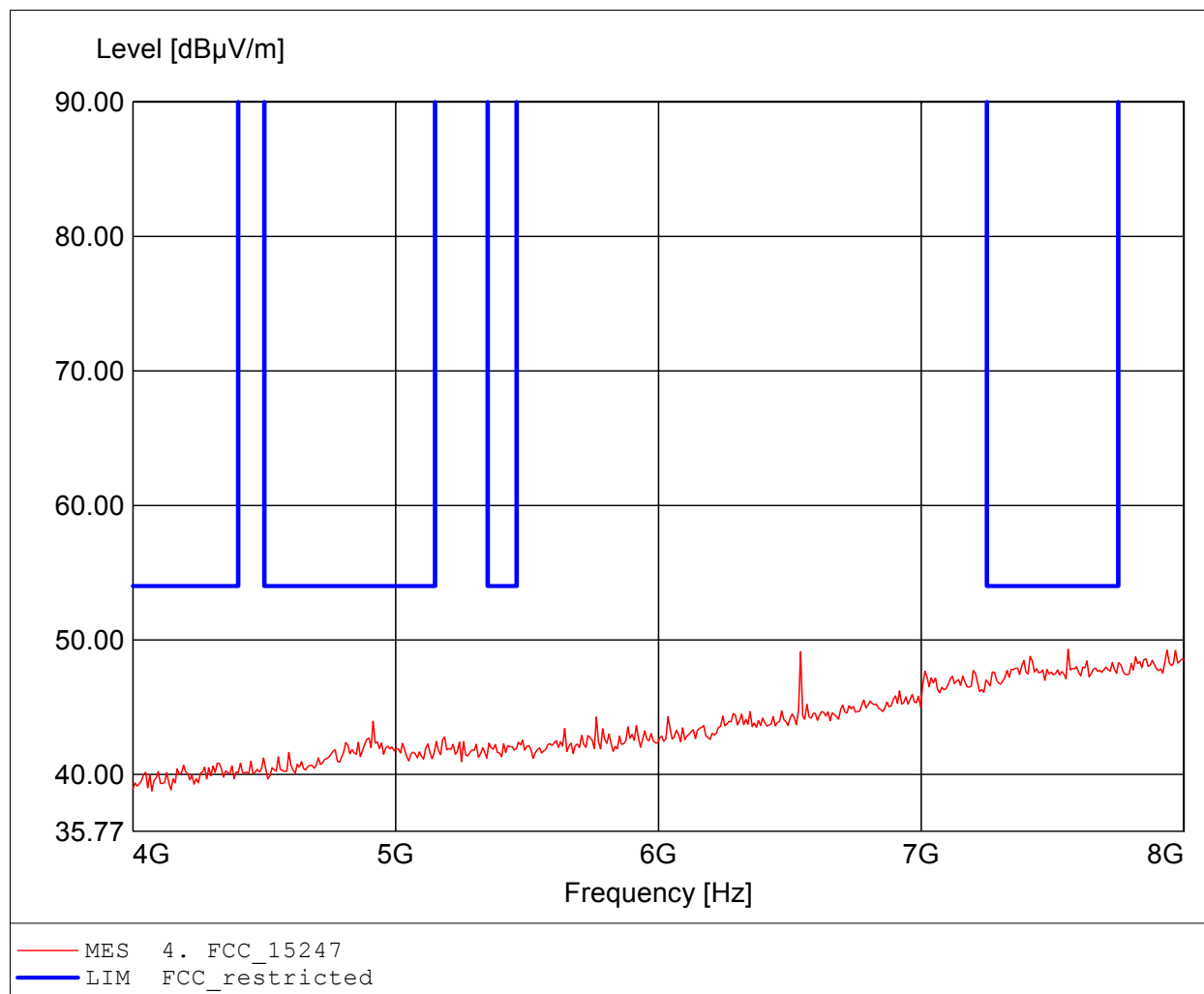
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.501GHz, Emax: 49.40dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

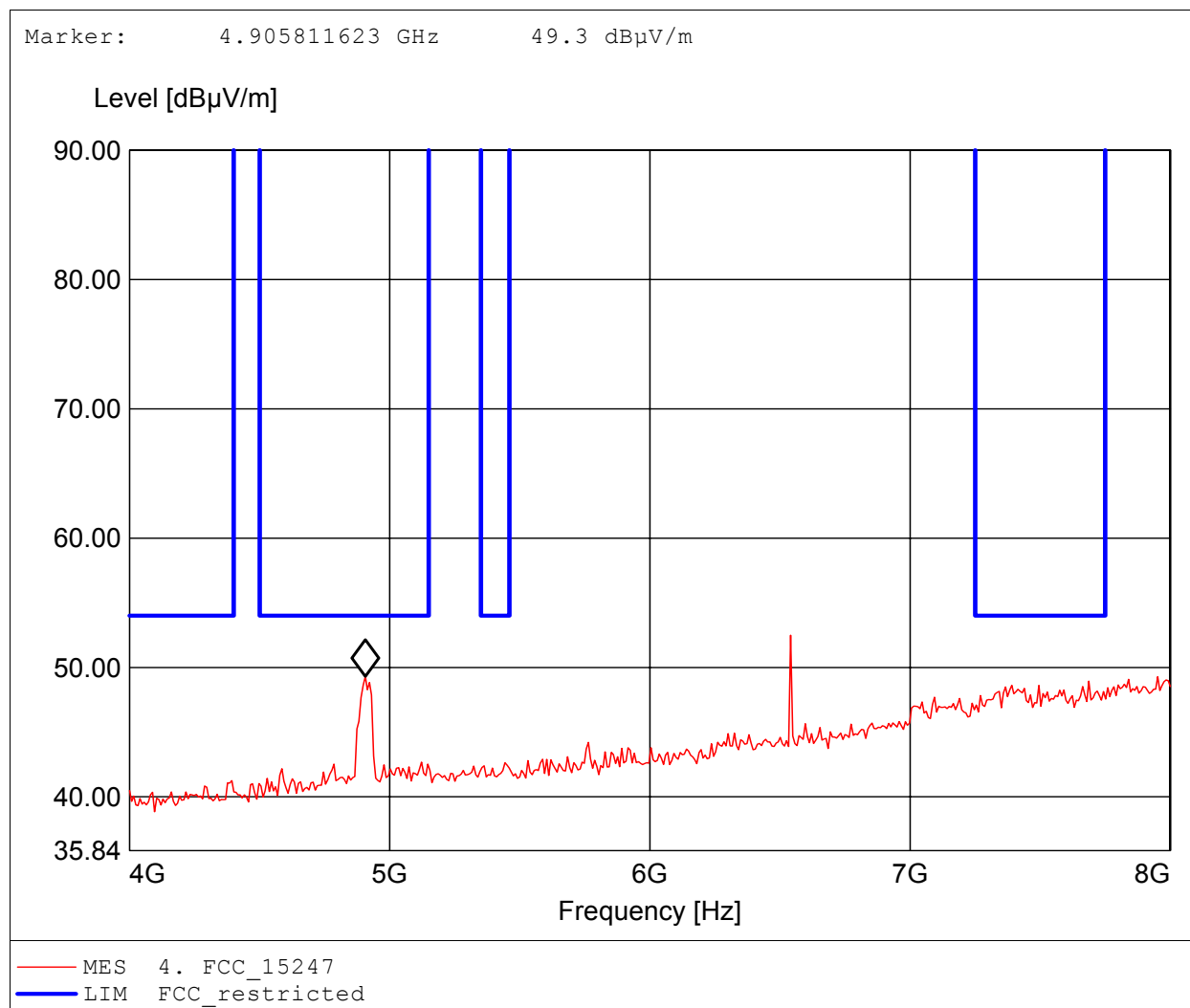
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2452 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.559GHz, Emax: 49.30dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

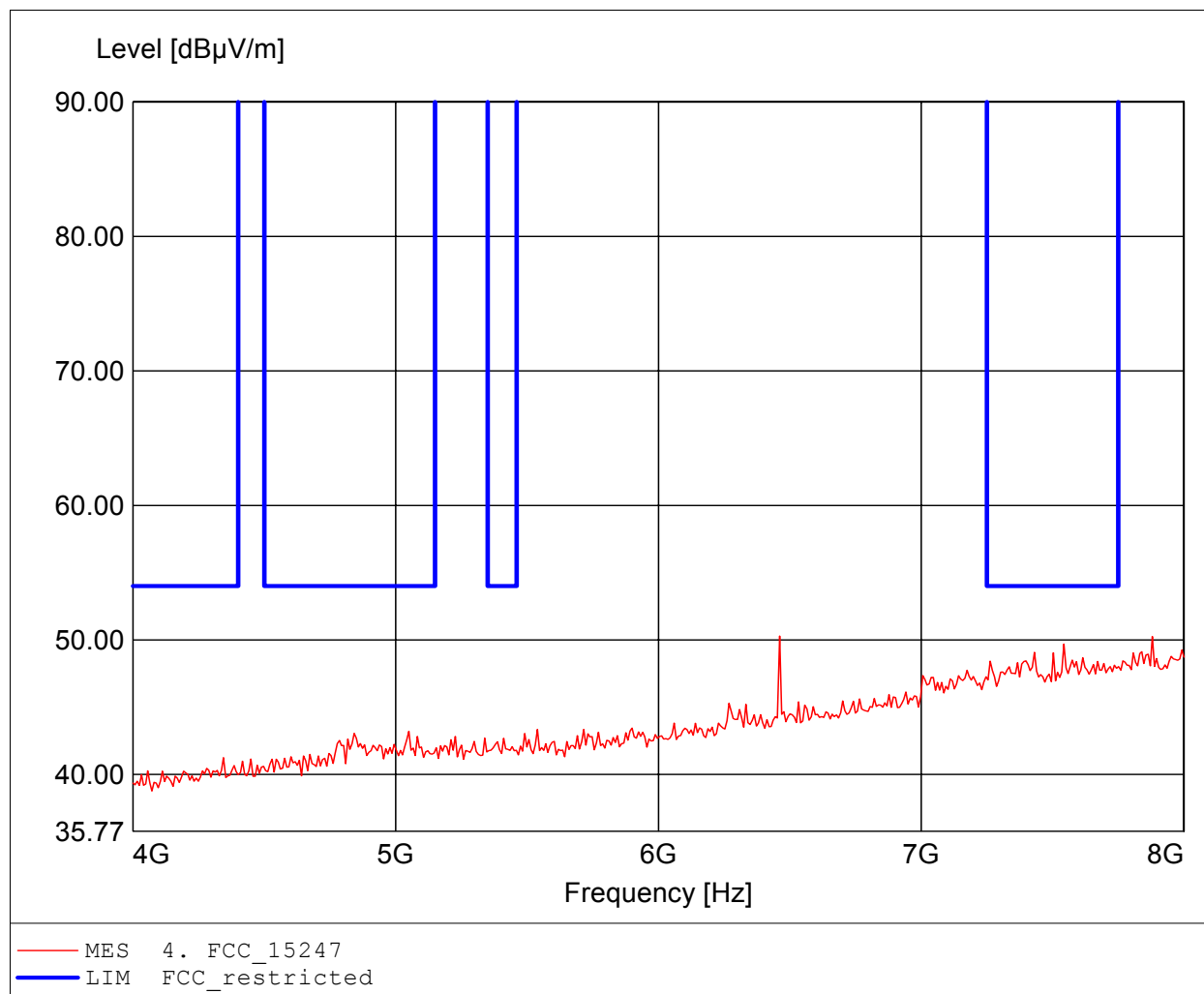
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2452 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.541GHz, Emax: 52.49dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

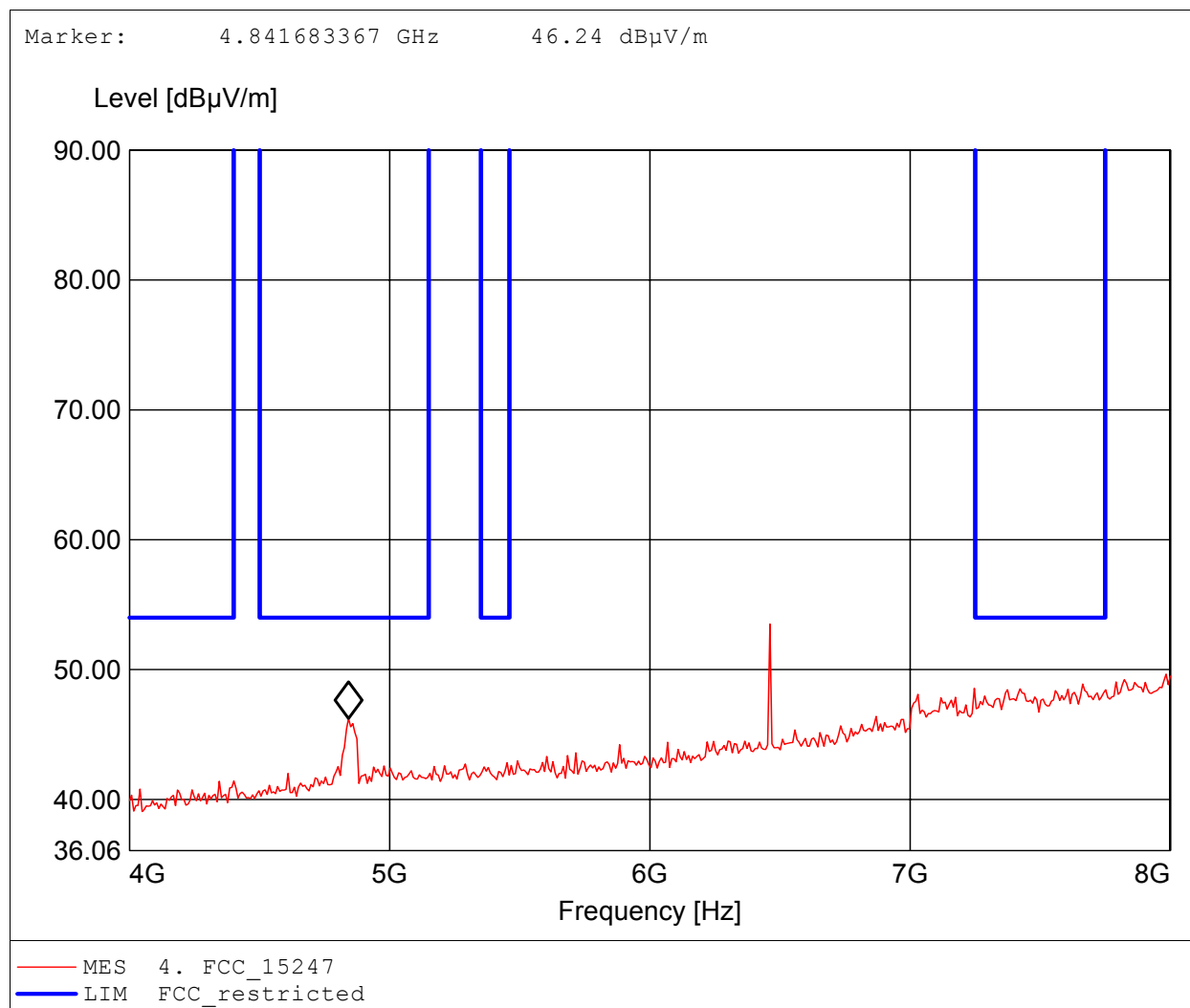
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.461GHz, Emax: 50.29dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

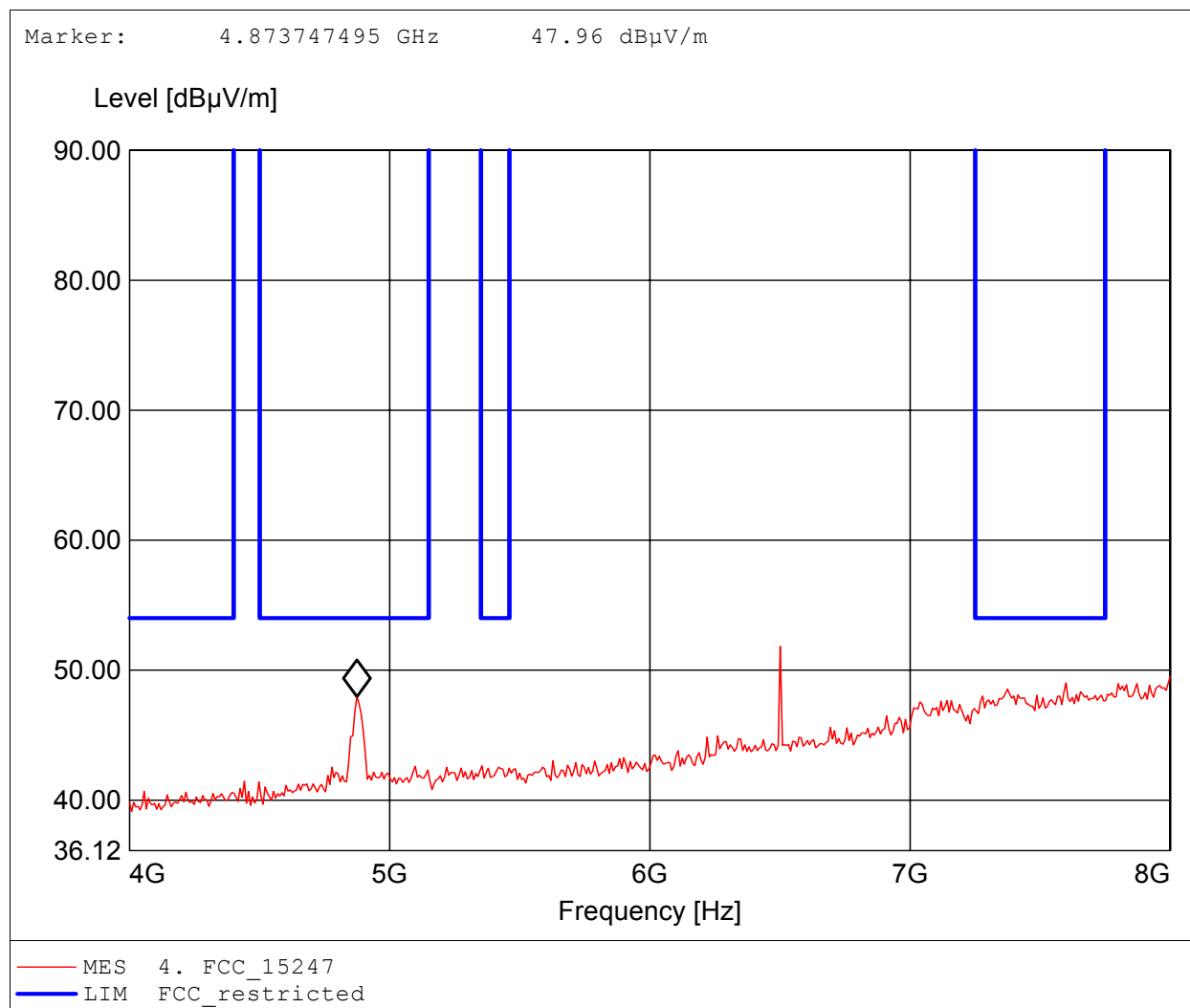
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.461GHz, Emax: 53.50dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

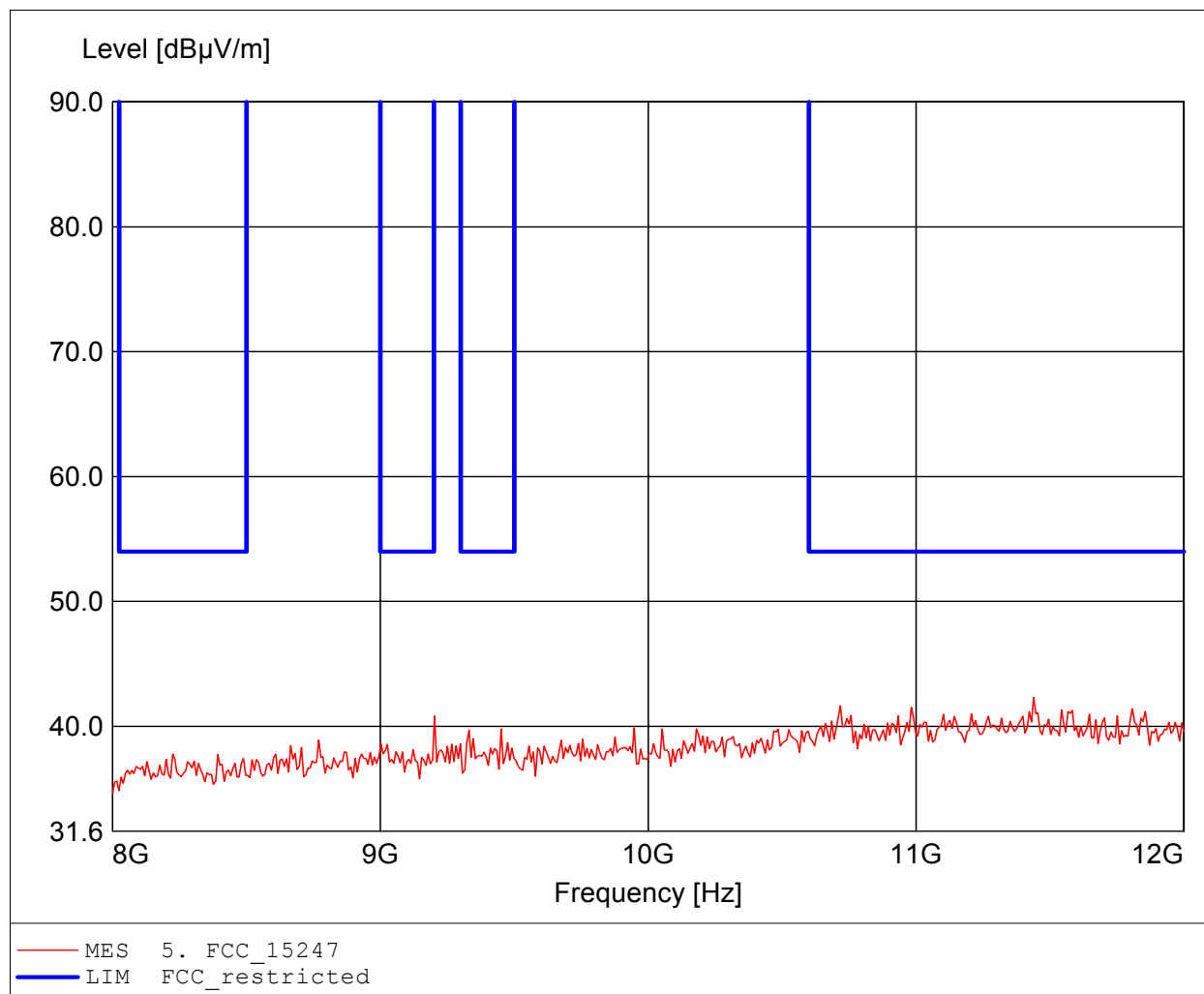
Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2437 MHz
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.501GHz, Emax: 51.83dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.439GHz, Emax: 42.32dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: Funkwerk Enterprise Communications GmbH / GOM-1106-1223
EUT: WLAN Access Point
Model: W1002n / setup: HT40, 2422 MHz worst case
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 24°C / Vnom: 120V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.551GHz, Emax: 42.53dBuV/m, RBW: 1MHz

