

<b>FCC TEST REPORT</b> <b>FCC 47 CFR Part 15C</b> <b>Industry Canada RSS-247</b> <b>Digital transmission systems operating within the 2400 – 2483.5 MHz band</b>	
<b>Report Reference No.</b> .....	G0M-1503-4616-TFC247WF-V01
<b>Testing Laboratory</b> .....	Eurofins Product Service GmbH
<b>Address</b> .....	Storkower Str. 38c 15526 Reichenwalde Germany
<b>Accreditation</b> .....	  A2LA Accredited Testing Laboratory, Certificate No.: 1983.01 FCC Test Firm Designation Number: DE0008 IC Testing Laboratory site: 3470A-3
<b>Applicant's name</b> .....	Leica Microsystems (Schweiz) AG
<b>Address</b> .....	Max Schmidheiny-Strasse 201 9435 Heerbrugg SWITZERLAND
<b>Test specification:</b>	
<b>Standard</b> .....	47 CFR Part 15C RSS-247, Issue 1, 2015-05 RSS-Gen, Issue 4, 2014-11 ANSI C63.10:2013
<b>Test scope</b> .....	partial Radio compliance test
<b>Equipment under test (EUT):</b>	
Product description	Stereo microscope with integrated camera
Model No.	EZ4 W
Additional Model(s)	None
Brand Name(s)	Leica
Hardware version	2.0
Firmware / Software version	None
	FCC-ID: 2AEJM-EZ4W      IC: 20232-EZ4W
<b>Test result</b>	<b>Passed</b>

**Possible test case verdicts:**

- neither assessed nor tested .....: N/N
- required by standard but not appl. to test object.....: N/A
- required by standard but not tested.....: N/T
- not required by standard for the test object .....: N/R
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

**Testing:**

Test Lab Temperature.....: 20 – 23 °C

Test Lab Humidity .....: 32 – 38 %

Date of receipt of test item .....: 2015-04-07

Date (s) of performance of tests .....: 2015-04-07 – 2015-04-09

Compiled by .....: Wilfried Treffke

Tested by (+ signature).....: Wilfried Treffke *W. Treffke*

(Responsible for Test)

Approved by (+ signature) .....: Christian Weber *C. Weber*

Date of issue .....: 2017-04-11

Total number of pages.....: 91

**General remarks:**

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

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

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

**Additional comments:**

---

## Version History

Version	Issue Date	Remarks	Revised by
01	2017-04-11	Initial Release	

## REPORT INDEX

<b>1</b>	<b>EQUIPMENT (TEST ITEM) DESCRIPTION</b>	<b>5</b>
1.1	Photos – Equipment External	7
1.2	Photos – Equipment internal	8
1.3	Supporting Equipment Used During Testing	13
1.4	Test Modes	14
1.5	Test Equipment Used During Testing	15
1.6	Sample emission level calculation	16
<b>2</b>	<b>RESULT SUMMARY</b>	<b>17</b>
<b>3</b>	<b>TEST CONDITIONS AND RESULTS</b>	<b>18</b>
3.1	Test Conditions and Results – Occupied Bandwidth	18
3.2	Test Conditions and Results – AC power line conducted emissions	28
3.3	Test Conditions and Results – Transmitter radiated emissions	31
3.4	Test Conditions and Results – Receiver radiated emissions	34

## 1 Equipment (Test item) Description

Description	Stereo microscope with integrated camera	
Model	EZ4 W	
Additional Model(s)	None	
Brand Name(s)	Leica	
Serial number	None	
Hardware version	2.0	
Software / Firmware version	None	
FCC-ID	2AEJM-EZ4W	
IC	20232-EZ4W	
Equipment type	End product	
Radio type	Transceiver	
Radio technology	IEEE 802.11 b/g/n	
Operating frequency range	2412 - 2462 MHz	
Assigned frequency band	2400 - 2483.5 MHz	
Main test frequencies	F <sub>LOW20</sub>	2412 MHz
	F <sub>MID20</sub>	2437 MHz
	F <sub>HIGH20</sub>	2462 MHz
Spreading	CCK, DSSS, OFDM	
Modulations	BPSK, QPSK, 16-QAM, 64-QAM	
Number of channels	11	
Channel spacing	5 MHz	
Number of antennas	1	
Radio module	Type	Wi-Fi Module
	Model	HF-A11-1
	Manufacturer	High Flying Electronics
	HW Version	V3.1
	SW Version	V3.1
	FCC-ID	AZYHF-A11X
	IC	12243A-HFA11
Antenna	Type	integrated
	Model	2.4 GHz SMD Stand Alone; Series 47950
	Manufacturer	Molex
	Gain	3.5 dBi (antenna data)
Manufacturer	Leica Instruments (Singapore) Pte Ltd 12 Teban Gardens Crescent 608924 Singapore Singapore	

Power supply	V <sub>NOM</sub>	120 VAC
	V <sub>MIN</sub>	N/A
	V <sub>MAX</sub>	N/A
AC/DC-Adaptor	Model	N/A
	Vendor	N/A
	Input	N/A
	Output	N/A

### 1.3 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments
none				
<p><b>*Note:</b> Use the following abbreviations:</p> <p>AE : Auxiliary/Associated Equipment, or</p> <p>SIM : Simulator (Not Subjected to Test)</p> <p>CABL : Connecting cables</p>				

#### 1.4 Test Modes

Mode #	Description	
DSSS	General conditions:	EUT powered by AC mains power
	Radio conditions:	Mode = standalone transmit Spreading = DSSS Modulation = BPSK Data rate = 1 Mbps Bandwidth = 20 MHz Duty cycle = 100 % Power level = 14hex; *0.5 =10 dBm (Test mode setting)
OFDM	General conditions:	EUT powered by AC mains power
	Radio conditions:	Mode = standalone transmit Spreading = OFDM Modulation = BPSK Data rate = 6 Mbps Bandwidth = 20 MHz Duty cycle = 100 % Power level = 14hex; *0.5 =10 dBm (Test mode setting)
Receive	General conditions:	EUT powered by AC mains power
	Radio conditions:	Mode = standalone receive
AC-Powerline	General conditions:	EUT powered by AC mains power
	Radio conditions:	Mode = standalone transmit Spreading = DSSS Power level = Maximum



## 1.5 Test Equipment Used During Testing

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

Occupied Bandwidth					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSP 30	EF00312	2015-02	2016-02

Radiated spurious emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Semi-anechoic chamber	Frankonia	AC 1	EF00062	-	-
Spectrum Analyzer	R&S	FSEK30	EF00168	2015-01	2016-01
Biconical Antenna	R&S	HK 116	EF00012	2013-02	2016-02
LPD Antenna	R&S	HL 223	EF00187	2014-03	2017-03
LPD Antenna	R&S	HL 025	EF00327	2013-02	2016-02

AC powerline conducted emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
AMN	R&S	ESH2-Z5	EF00182	2014-11	2016-11
EMI Test Receiver	R&S	ESCS 30	EF00295	2014-10	2015-10

## 1.6 Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

Reading:

This is the reading obtained on the spectrum analyzer in dBμV. Any external preamplifiers used are taken into account through internal analyzer settings.

A.F.:

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

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

Net:

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

Limit:

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

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

Margin:

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

Example only:

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

## 2 Result Summary

FCC 47 CFR Part 15C, IC RSS-210				
Product Specific Standard Section	Requirement – Test	Reference Method	Result	Remarks
RSS-Gen 6.6	Occupied Bandwidth	ANSI C63.10	N/R	Informational only
FCC § 15.247(a)(2) IC RSS-210 § A8.2	6dB Bandwidth	ANSI C63.10	N/R	integration of certified module
FCC § 15.247(b)(3) IC RSS-210 § A8.4	Maximum peak conducted power	ANSI C63.10	N/R	integration of certified module
FCC § 15.247(e) IC RSS-210 § A8.2	Power spectral density	ANSI C63.10	N/R	integration of certified module
47 CFR 15.207 RSS-Gen 8.8	AC power line conducted emissions	ANSI C63.4	PASS	
FCC § 15.247(d) IC RSS-210 § A8.5	Band edge compliance	ANSI C63.10	N/R	integration of certified module
FCC § 15.247(d) IC RSS-210 § A8.5	Conducted spurious emissions	ANSI C63.10	N/R	integration of certified module
FCC § 15.247(d) FCC § 15.209 IC RSS-210 A8.5 IC RSS-Gen 6.13	Transmitter radiated spurious emissions	ANSI C63.10	PASS	
IC RSS-Gen 7.1	Receiver radiated spurious emissions	ANSI C63.10	PASS	
Remarks:				

### 3 Test Conditions and Results

#### 3.1 Test Conditions and Results – Occupied Bandwidth

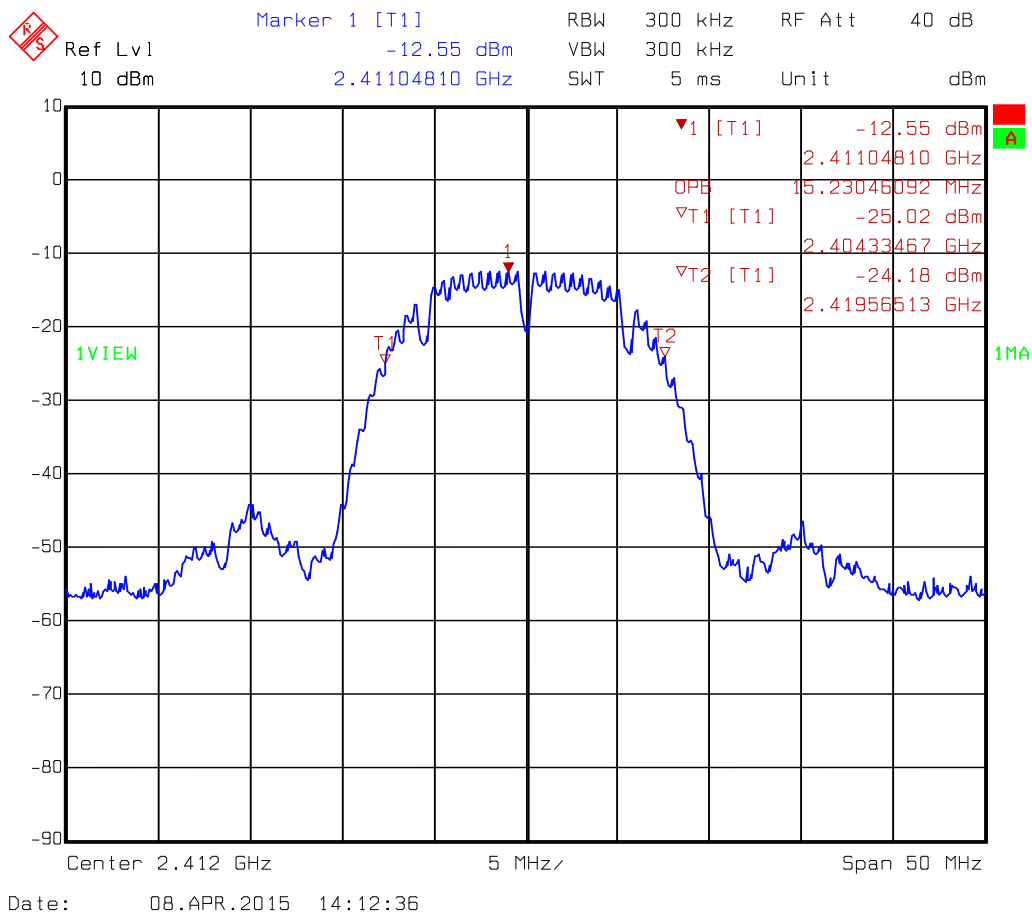
Occupied Bandwidth acc. to IC RSS-Gen			Verdict: N/R
Test according to measurement reference	Reference Method		
	ANSI C63.10		
Test frequency range	Tested frequencies		
	F <sub>LOW</sub> / F <sub>MID</sub> / F <sub>HIGH</sub>		
Limits			
None (Informational only)			
Test setup			
<div><div>Spectrum Analyzer</div><div>EUT</div></div>			
Test procedure			
<div>1. EUT set to test mode (Communication tester is used if needed)</div> <div>2. Span set to at least twice the emission spectrum</div> <div>3. Resolution bandwidth set to 1 % of span</div> <div>4. Occupied Bandwidth (99 %) measurement with spectrum analyzer built in measurement function</div>			
Test results			
Channel	Frequency [MHz]	Mode	Occupied Bandwidth [kHz]
F <sub>LOW20</sub>	2412	DSSS	15.23
F <sub>MID20</sub>	2437	DSSS	15.13
F <sub>HIGH20</sub>	2462	DSSS	15.03
F <sub>LOW20</sub>	2412	OFDM	16.83
F <sub>MID20</sub>	2437	OFDM	16.73
F <sub>HIGH20</sub>	2462	OFDM	16.83
F <sub>LOW20</sub>	2412	HT20	17.73
F <sub>MID20</sub>	2437	HT20	17.73
F <sub>HIGH20</sub>	2462	HT20	17.74
Comments:			

Occupied Bandwidth – DSSS F<sub>Low</sub>

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Wilfried Treffke  
 Test Conditions: T<sub>nom</sub> / V<sub>nom</sub>  
 Mode: DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Verdict: NONE (INFORMATION ONLY)  
 Note 1: OBW=15.23 MHz



Test Report No.: G0M-1503-4616-TFC247WF-V01

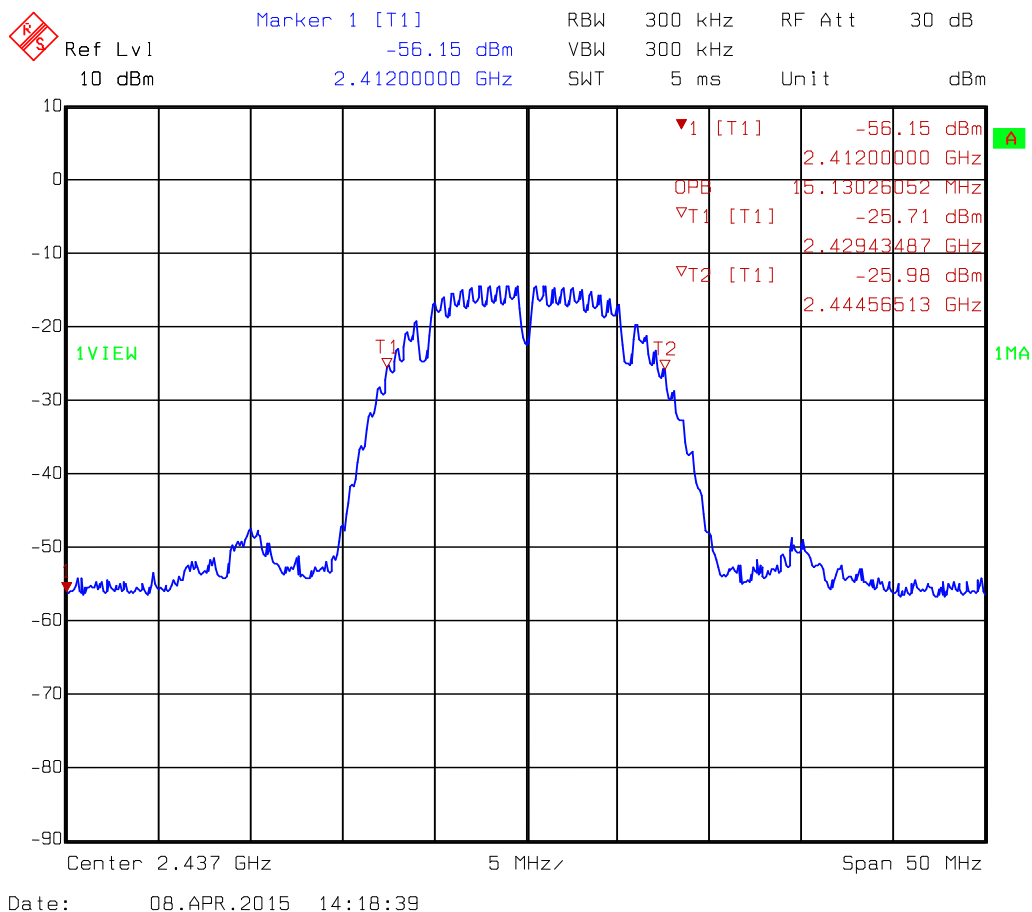
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

# Occupied Bandwidth – DSSS F<sub>MID</sub>

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
EUT Name: HD stereo microscope mit WLAN-Modul  
Model: Leica EZ4 W  
Test Site: Eurofins Product Service GmbH  
Operator: Wilfried Treffke  
Test Conditions: Tnom / Vnom  
Mode: DSSS; 1Mbps; 2437 MHz  
Test Date: 2015-04-08  
Verdict: NONE (INFORMATION ONLY)  
Note 1: OBW=15.13 MHz

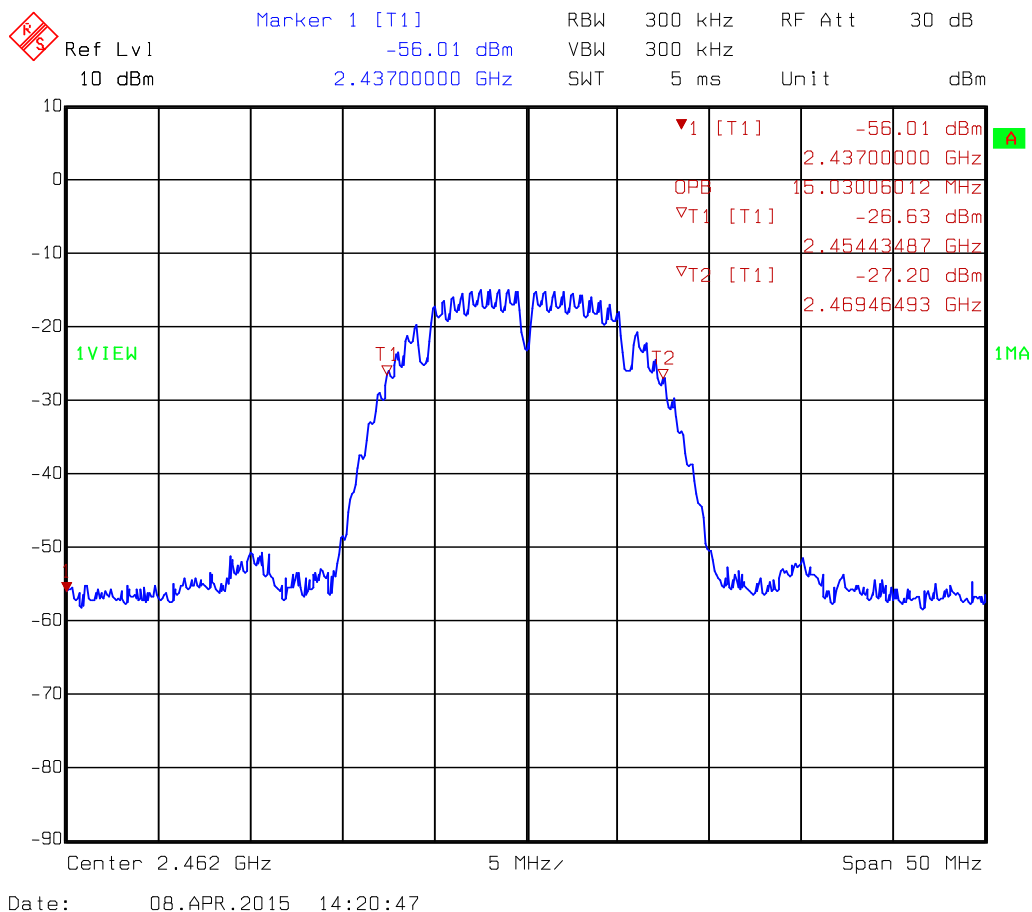


# Occupied Bandwidth – DSSS F<sub>HIGH</sub>

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
EUT Name: HD stereo microscope mit WLAN-Modul  
Model: Leica EZ4 W  
Test Site: Eurofins Product Service GmbH  
Operator: Wilfried Treffke  
Test Conditions: Tnom / Vnom  
Mode: DSSS; 1Mbps; 2462 MHz  
Test Date: 2015-04-08  
Verdict: NONE (INFORMATION ONLY)  
Note 1: OBW=15.03 MHz



Test Report No.: G0M-1503-4616-TFC247WF-V01

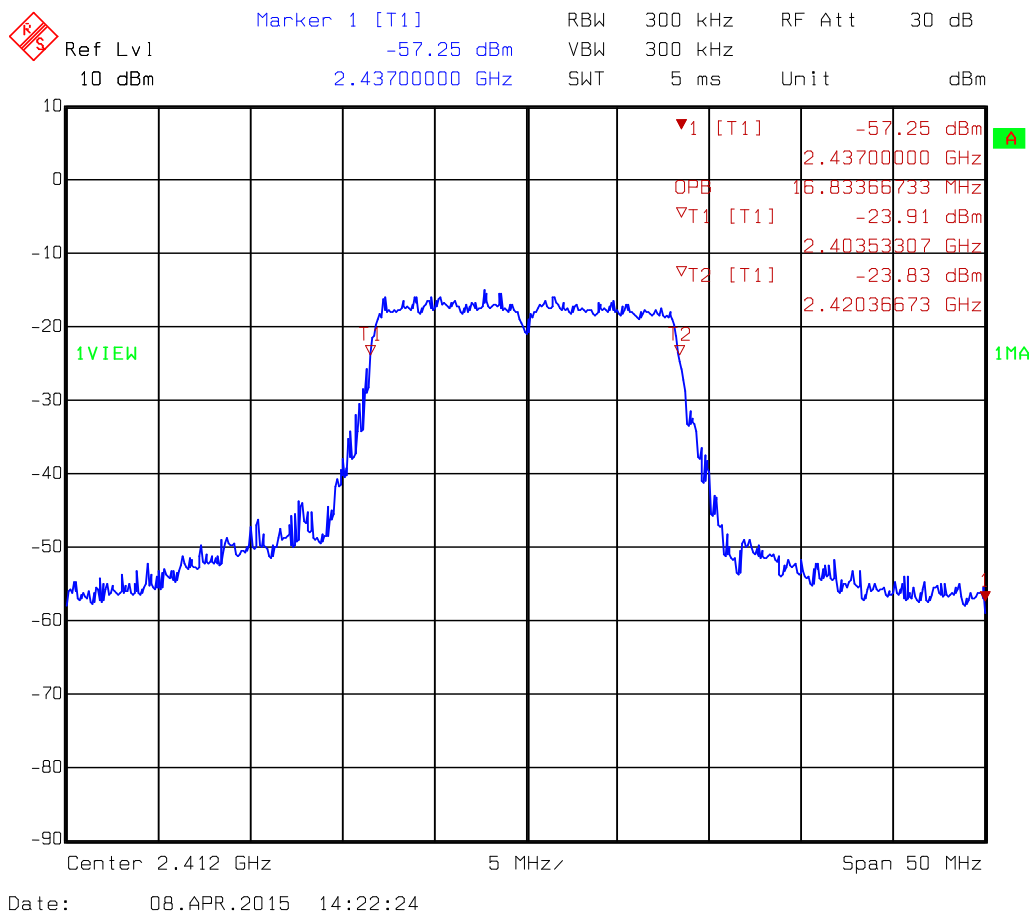
Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Occupied Bandwidth – OFDM F<sub>Low</sub>

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Wilfried Treffke  
 Test Conditions: Tnom / Vnom  
 Mode: OFDM; 6Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Verdict: NONE (INFORMATION ONLY)  
 Note 1: OBW=16.83 MHz



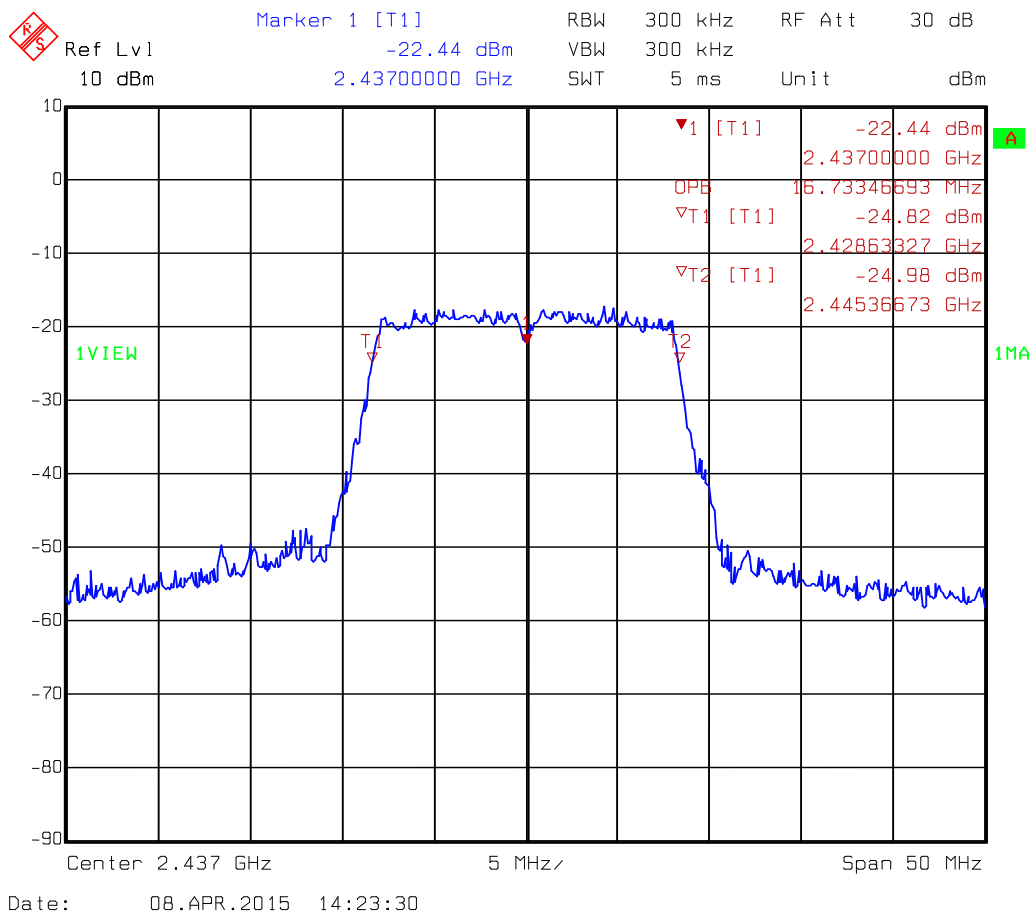


# Occupied Bandwidth – OFDM $F_{MID}$

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
EUT Name: HD stereo microscope mit WLAN-Modul  
Model: Leica EZ4 W  
Test Site: Eurofins Product Service GmbH  
Operator: Wilfried Treffke  
Test Conditions: Tnom / Vnom  
Mode: OFDM; 6Mbps; 2437 MHz  
Test Date: 2015-04-08  
Verdict: NONE (INFORMATION ONLY)  
Note 1: OBW=16.73 MHz



Test Report No.: G0M-1503-4616-TFC247WF-V01

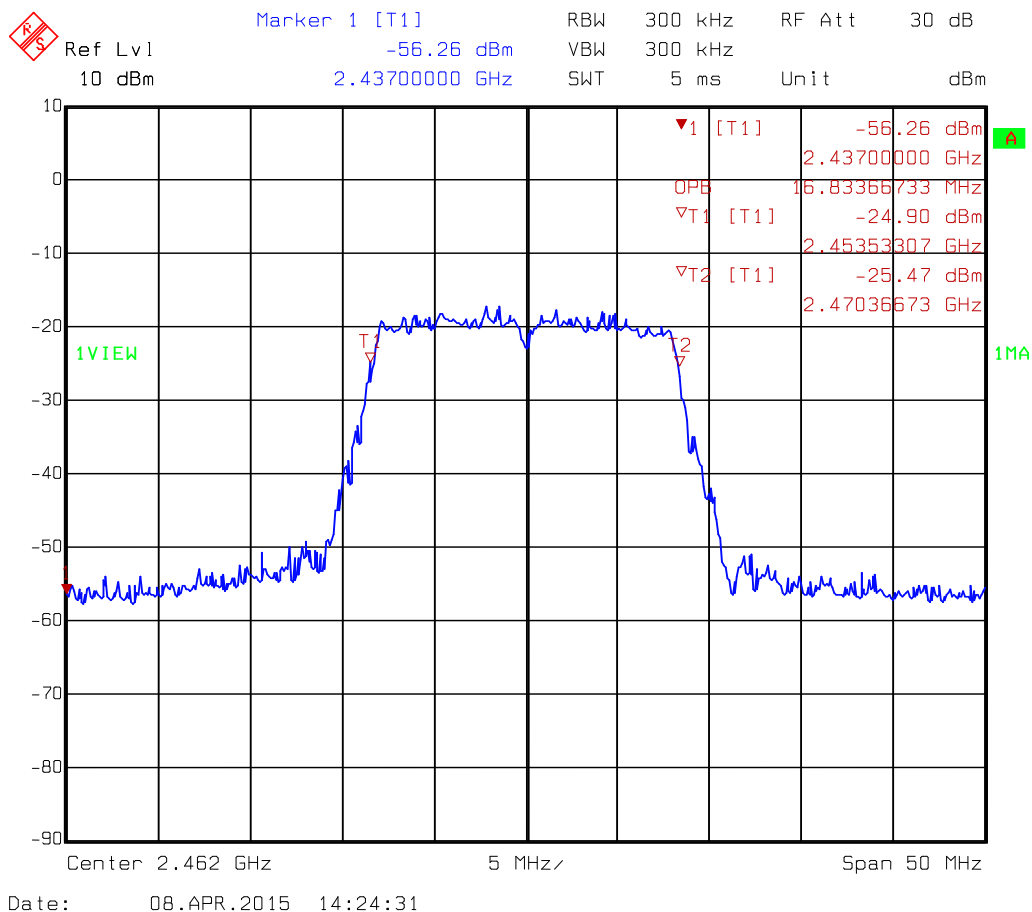
Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Occupied Bandwidth – OFDM F<sub>HIGH</sub>

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Wilfried Treffke  
 Test Conditions: Tnom / Vnom  
 Mode: OFDM; 6Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Verdict: NONE (INFORMATION ONLY)  
 Note 1: OBW=16.83 MHz

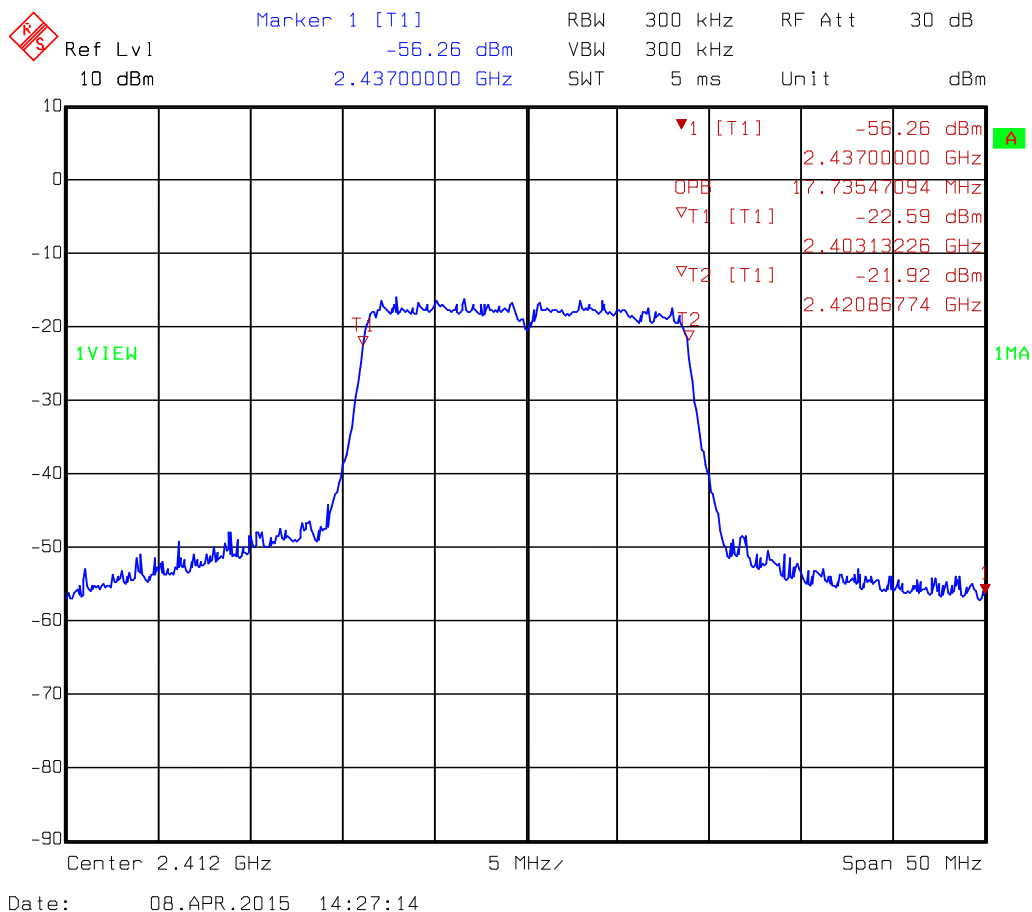


# Occupied Bandwidth – HT20 F<sub>Low</sub>

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
EUT Name: HD stereo microscope mit WLAN-Modul  
Model: Leica EZ4 W  
Test Site: Eurofins Product Service GmbH  
Operator: Wilfried Treffke  
Test Conditions: Tnom / Vnom  
Mode: HT20; MCS 0; 2412 MHz  
Test Date: 2015-04-08  
Verdict: NONE (INFORMATION ONLY)  
Note 1: OBW=17.73 MHz

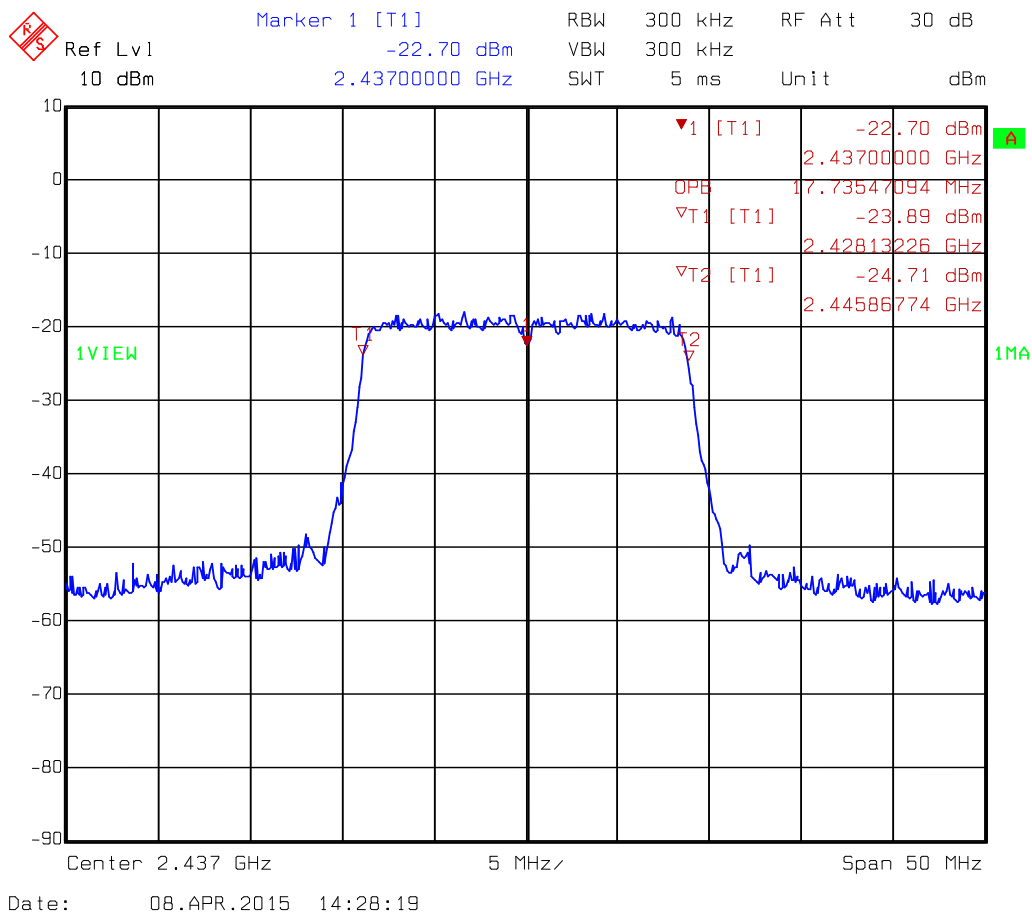


# Occupied Bandwidth – HT20 F<sub>MID</sub>

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
EUT Name: HD stereo microscope mit WLAN-Modul  
Model: Leica EZ4 W  
Test Site: Eurofins Product Service GmbH  
Operator: Wilfried Treffke  
Test Conditions: Tnom / Vnom  
Mode: HT20; MCS 0; 2437 MHz  
Test Date: 2015-04-08  
Verdict: NONE (INFORMATION ONLY)  
Note 1: OBW=17.73 MHz

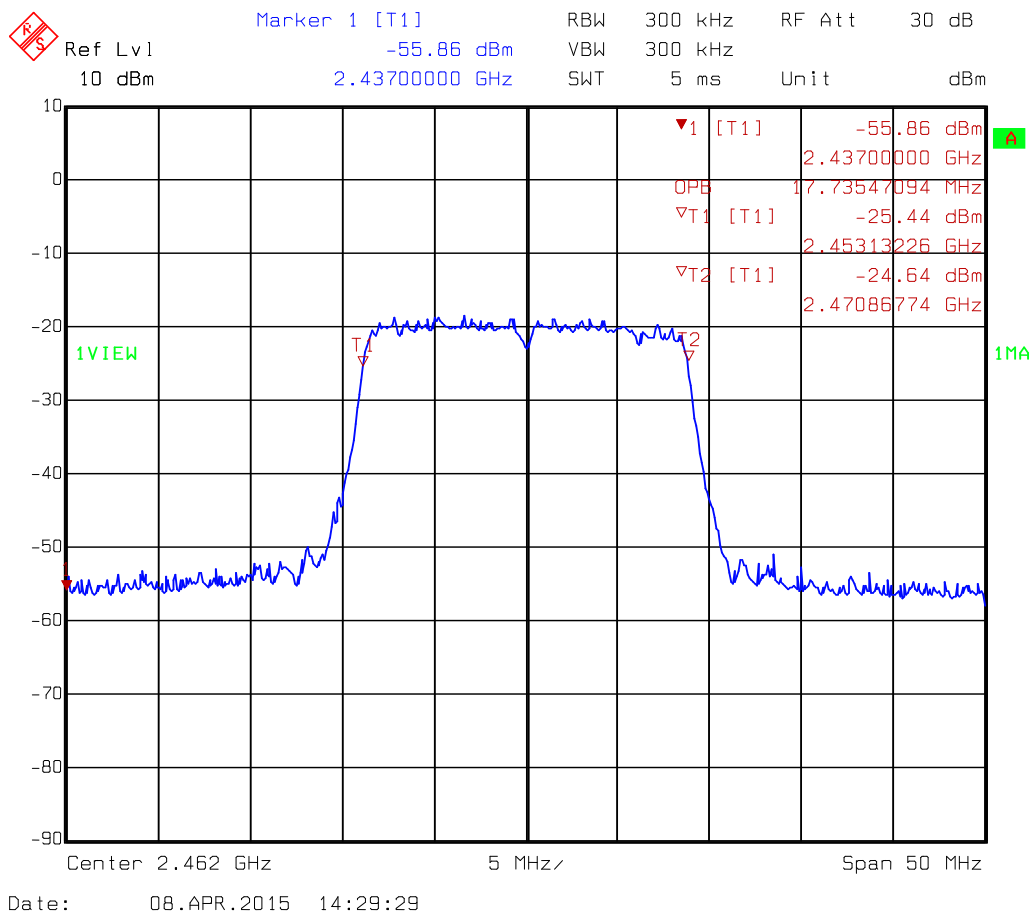


Occupied Bandwidth – HT20 F<sub>HIGH</sub>

## RSS-Gen, Occupied Bandwidth

Project Number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Wilfried Treffke  
 Test Conditions: Tnom / Vnom  
 Mode: HT20; MCS 0; 2462 MHz  
 Test Date: 2015-04-08  
 Verdict: NONE (INFORMATION ONLY)  
 Note 1: OBW=17.74 MHz



### 3.2 Test Conditions and Results – AC power line conducted emissions

Power line conducted emissions acc. to FCC 47 CFR 15.207 / IC RSS-Gen				Verdict: PASS	
Test according referenced standards		Reference Method			
		ANSI C63.4			
Fully configured sample scanned over the following frequency range		Frequency range			
		0.15 MHz to 30 MHz			
Points of Application		Application Interface			
AC Mains		LISN			
EUT test mode		AC-Powerline			
Limits and results					
Frequency [MHz]	Quasi-Peak [dBμV]	Result	Average [dBμV]	Result	
0.15 to 5	66 to 56*	PASS	56 to 46*	PASS	
0.5 to 5	56	PASS	46	PASS	
5 to 30	60	PASS	50	PASS	
Comments:					
* Limit decreases linearly with the logarithm of the frequency.					

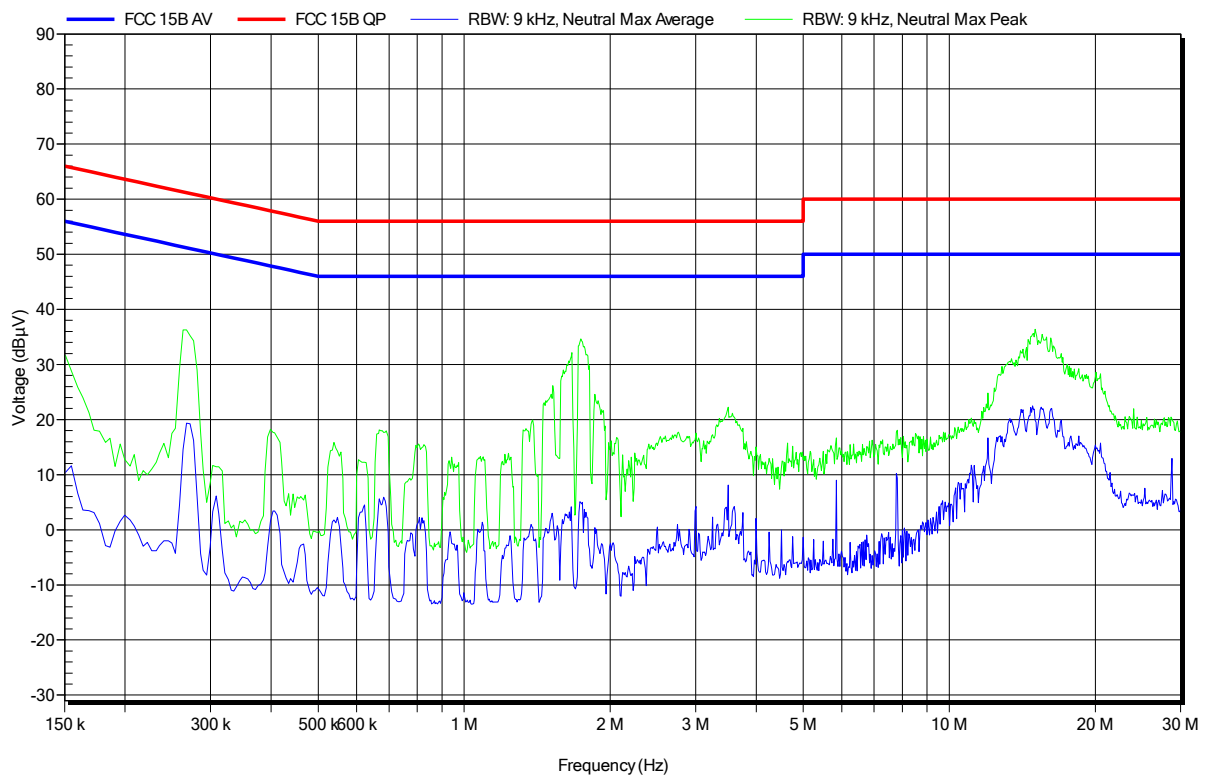
## Conducted Emissions

### EMI voltage test in the ac-mains according to FCC15B

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: Stereo microscope with integrated camera  
 Model: EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Zunke  
 Test Conditions: Tnom: 23°C, Unom: 120VAC  
 LISN: ESH2-Z5 N  
 Mode: WLAN link to laptop, HDMI connection to monitor, light full power  
 Test Date: 2015-02-06  
 Note:

Index 1



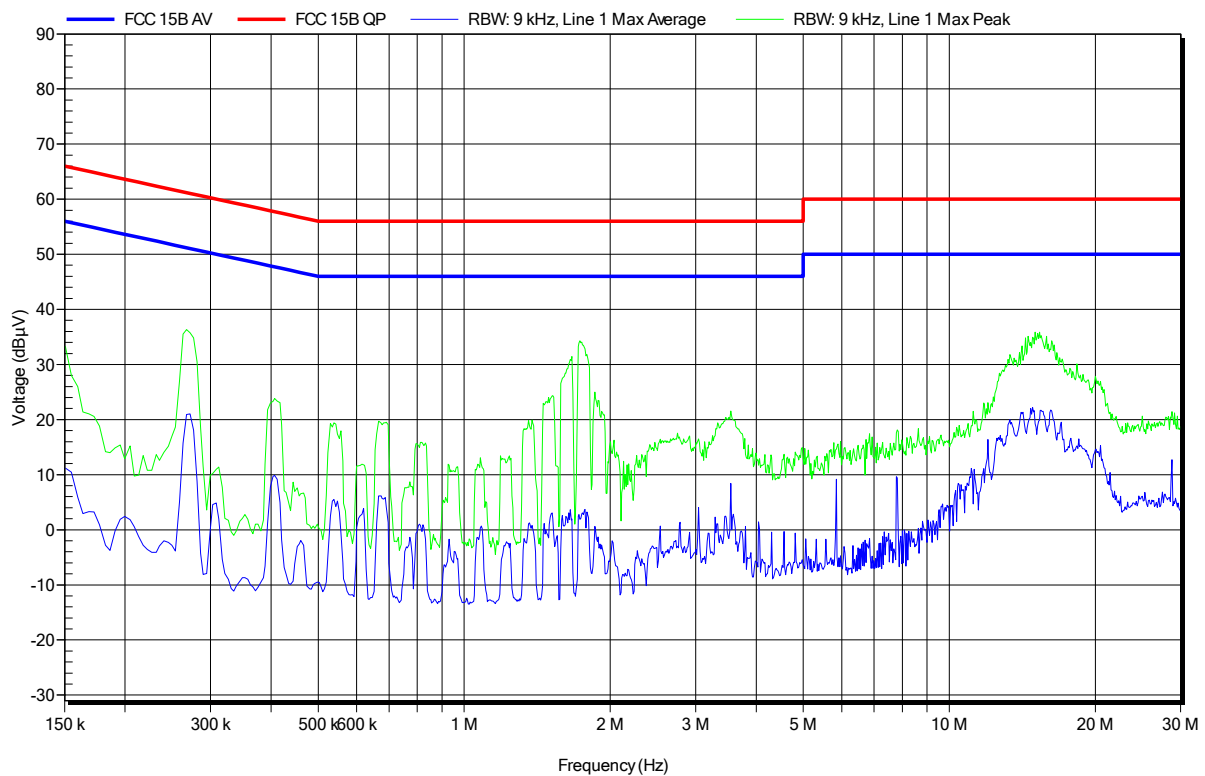
## Conducted Emissions

### EMI voltage test in the ac-mains according to FCC15B

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: Stereo microscope with integrated camera  
 Model: EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Zunke  
 Test Conditions: Tnom: 23°C, Unom: 120VAC  
 LISN: ESH2-Z5 L  
 Mode: WLAN link to laptop, HDMI connection to monitor, light full power  
 Test Date: 2015-02-06  
 Note:

Index 2





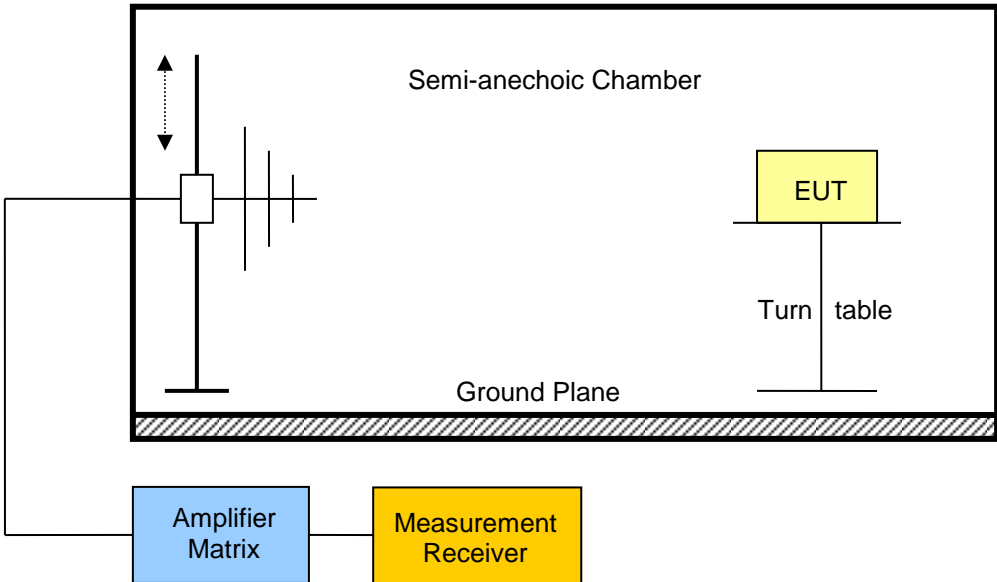
### 3.3 Test Conditions and Results – Transmitter radiated emissions

Transmitter radiated emissions acc. to FCC 47 CFR 15.247 / IC RSS-247				Verdict: PASS	
Test according referenced standards	Reference Method				
	FCC 15.247(d) / IC RSS-247 5.5				
Test according to measurement reference	Reference Method				
	ANSI C63.10				
Test frequency range	Tested frequencies				
	30 MHz – 10 <sup>th</sup> Harmonic				
Limits					
Frequency range [MHz]	Detector	Limit [μV/m]	Limit [dBμV/m]	Limit 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	
<p>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)).</p> <p>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.</p>					
Test setup					

Test procedure									
<ol style="list-style-type: none"> <li>1. EUT set to test mode (Communication tester is used if needed)</li> <li>2. Span it set according to measurement range</li> <li>3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz</li> <li>4. Markers are set to peak emission levels within restricted bands</li> </ol>									
Test results, DSSS									
Channel	Frequency [MHz]	Mode	Emission [MHz]	Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Limit dist. [m]*	Margin [dB]
F <sub>LOW</sub>	2412	DSSS	238.962	46.15	pk	ver	95.00	3	-48.85
F <sub>LOW</sub>	2412	DSSS	239.174	45.60	pk	hor	95.00	3	-49.40
F <sub>LOW</sub>	2412	DSSS	2390	50.60	pk	hor	74.00	3	-23.40
F <sub>LOW</sub>	2412	DSSS	2390	40.21	RMS	hor	54.00	3	-13.79
F <sub>LOW</sub>	2412	DSSS	4824	50.52	pk	hor	74.00	1	-23.48
F <sub>LOW</sub>	2412	DSSS	4824	49.48	avg	hor	54.00	1	-04.52
F <sub>LOW</sub>	2412	DSSS	4824	51.70	pk	ver	74.00	1	-22.30
F <sub>LOW</sub>	2412	DSSS	4824	50.78	avg	ver	54.00	1	-03.22
F <sub>MID</sub>	2437	DSSS	2352.4	46.18	pk	ver	74.00	3	-27.82
F <sub>MID</sub>	2437	DSSS	4874	52.10	pk	hor	74.00	1	-21.90
F <sub>MID</sub>	2437	DSSS	4874	51.10	avg	hor	54.00	1	-02.90
F <sub>MID</sub>	2437	DSSS	4874	51.90	pk	ver	74.00	1	-22.10
F <sub>MID</sub>	2437	DSSS	4874	51.23	avg	ver	54.00	1	-02.77
F <sub>HIGH</sub>	2462	DSSS	2344	48.03	pk	ver	74.00	3	-25.97
F <sub>HIGH</sub>	2462	DSSS	2483.7	50.62	pk	ver	74.00	3	-23.38
F <sub>HIGH</sub>	2462	DSSS	2483.7	39.22	RMS	ver	54.00	3	-14.78
F <sub>HIGH</sub>	2462	DSSS	4920	47.35	pk	ver	74.00	1	-26.65
F <sub>HIGH</sub>	2462	DSSS	4924	51.34	pk	hor	74.00	1	-22.66
F <sub>HIGH</sub>	2462	DSSS	4924	50.31	avg	hor	54.00	1	-03.69
Comments: * Physical distance between EUT and measurement antenna.									

Test results, HT20									
Channel	Frequency [MHz]	Mode	Emission [MHz]	Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Limit dist. [m]*	Margin [dB]
F <sub>LOW</sub>	2412	HT20	2390	57.58	pk	hor	74.00	3	-16.42
F <sub>LOW</sub>	2412	HT20	2390	41.45	RMS	hor	54.00	3	-12.55
F <sub>LOW</sub>	2412	HT20	4824	46.09	pk	ver	74.00	1	-27.91
F <sub>LOW</sub>	2412	HT20	4826	49.64	pk	hor	74.00	1	-24.36
F <sub>LOW</sub>	2412	HT20	4826	37.64	avg	hor	54.00	1	-16.36
F <sub>LOW</sub>	2437	HT20	4874	52.53	pk	hor	74.00	1	-21.47
F <sub>LOW</sub>	2437	HT20	4874	40.90	avg	hor	54.00	1	-13.10
F <sub>LOW</sub>	2437	HT20	4874	50.93	pk	ver	74.00	1	-23.07
F <sub>LOW</sub>	2437	HT20	4874	39.14	avg	ver	54.00	1	-14.86
F <sub>LOW</sub>	2462	HT20	4920	54.45	pk	ver	74.00	1	-19.55
F <sub>LOW</sub>	2462	HT20	4920	39.87	avg	ver	54.00	1	-14.13
F <sub>LOW</sub>	2462	HT20	4924	55.23	pk	hor	74.00	1	-18.77
F <sub>LOW</sub>	2462	HT20	4924	43.60	avg	hor	54.00	1	-10.40
Comments: * Physical distance between EUT and measurement antenna.									

### 3.4 Test Conditions and Results – Receiver radiated emissions

Receiver radiated emissions acc. to IC RSS-247				Verdict: PASS
Test according referenced standards	Reference Method			
	IC RSS-247 3.1			
Test according to measurement reference	Reference Method			
	ANSI C63.10			
Test frequency range	Tested frequencies			
	30 MHz – 5 <sup>th</sup> Harmonic			
EUT test mode	Receive			
Limits				
Frequency range [MHz]	Detector	Limit [μV/m]	Limit [dBμV/m]	Limit 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
Test setup				
				

### Test procedure

1. EUT set to receive mode (Communication tester is used if needed)
2. Span it set according to measurement range
3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz
4. Markers are set to peak emission levels

### Test results

Channel	Frequency [MHz]	Emission [MHz]	Emission Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Margin [dBμV/m]
F <sub>MID</sub>	2437	240	35.34	pk	hor	46.00	-10.66 dB
F <sub>MID</sub>	2437	240	37.05	pk	ver	46.00	-8.95 dB
F <sub>MID</sub>	2437	468.8	34.37	pk	hor	46.00	-11.63 dB
F <sub>MID</sub>	2437	468.8	32.27	pk	ver	46.00	-13.73 dB
F <sub>MID</sub>	2437	489.6	35.80	pk	hor	46.00	-10.2 dB
F <sub>MID</sub>	2437	489.6	31.08	pk	ver	46.00	-14.92 dB
F <sub>MID</sub>	2437	1006	42.30	pk	ver	53.98	-11.68 dB
F <sub>MID</sub>	2437	1438	43.08	pk	hor	53.98	-10.9 dB
F <sub>MID</sub>	2437	1438	41.86	pk	ver	53.98	-12.12 dB
F <sub>MID</sub>	2437	1678	42.22	pk	ver	53.98	-11.76 dB
F <sub>MID</sub>	2437	1798	42.33	pk	hor	53.98	-11.65 dB
F <sub>MID</sub>	2437	2350	41.54	pk	hor	53.98	-12.44 dB
F <sub>MID</sub>	2437	2350	41.58	pk	ver	53.98	-12.4 dB
F <sub>MID</sub>	2437	2686	42.26	pk	hor	53.98	-11.72 dB
F <sub>MID</sub>	2437	2968	42.37	pk	hor	53.98	-11.61 dB

#### Comments:

\* Physical distance between EUT and measurement antenna.

\*\* Emission level corresponds to ambient noise floor

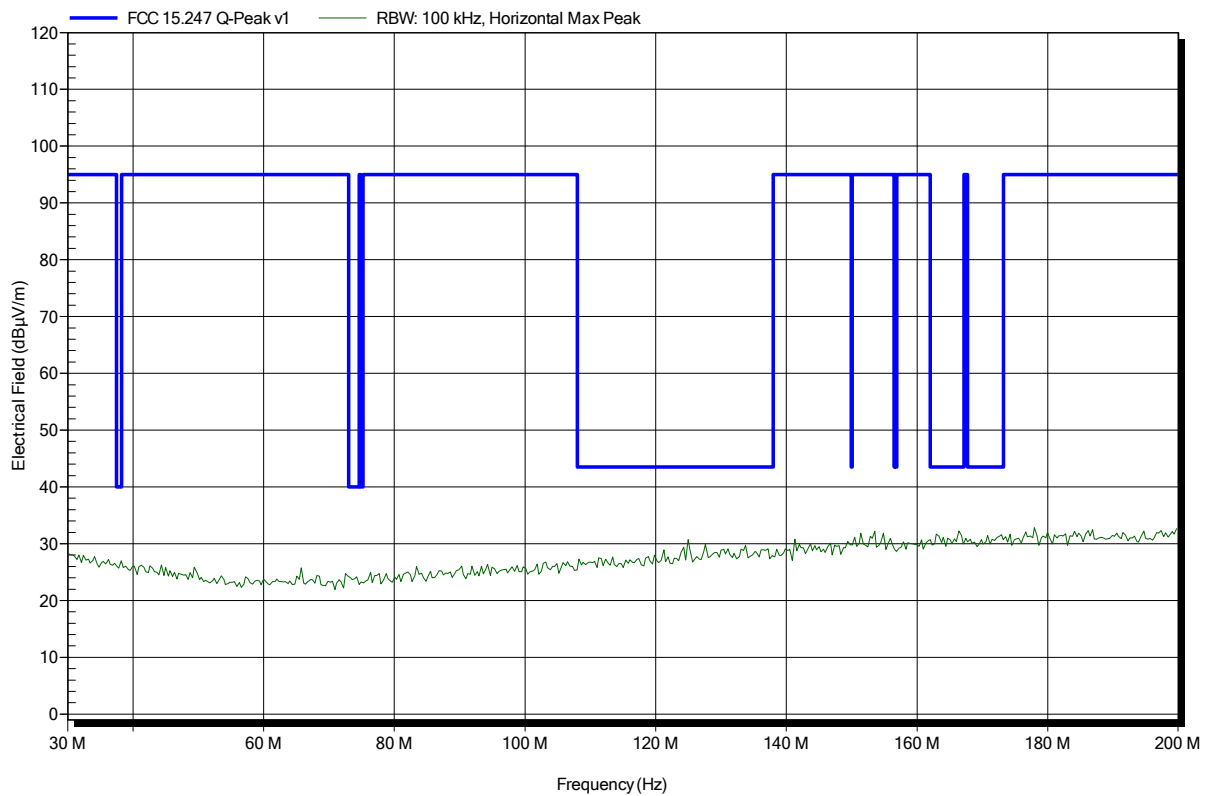
## ANNEX A Transmitter radiated spurious emissions

### Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant:	Leica Microsystems (Schweiz) AG
EUT Name:	HD stereo microscope mit WLAN-Modul
Model:	Leica EZ4 W
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Treffke
Test Conditions:	Tnom: 25°C, Vnom: 120 VAC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; DSSS; 1Mbps; 2412 MHz
Test Date:	2015-04-08
Note:	

Index 87

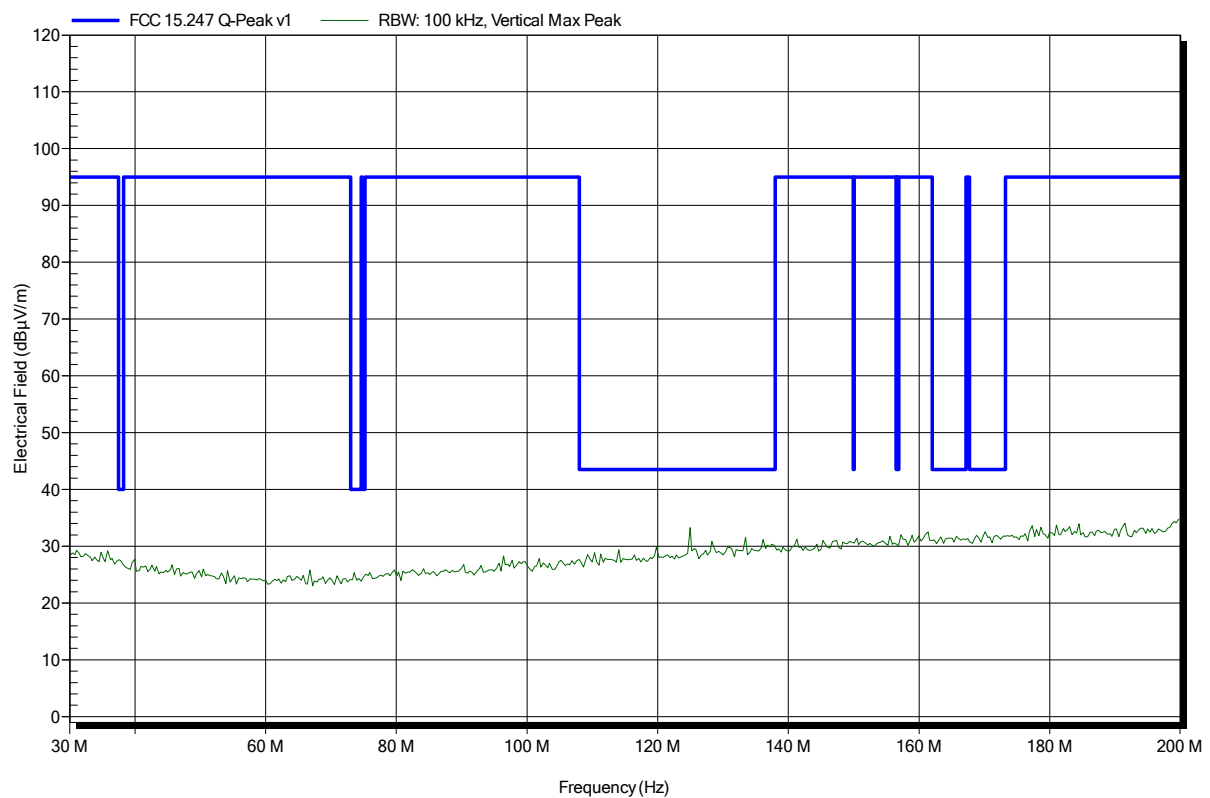


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant:	Leica Microsystems (Schweiz) AG
EUT Name:	HD stereo microscope mit WLAN-Modul
Model:	Leica EZ4 W
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Treffke
Test Conditions:	Tnom: 25°C, Vnom: 120 VAC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; DSSS; 1Mbps; 2412 MHz
Test Date:	2015-04-08
Note:	

Index 88

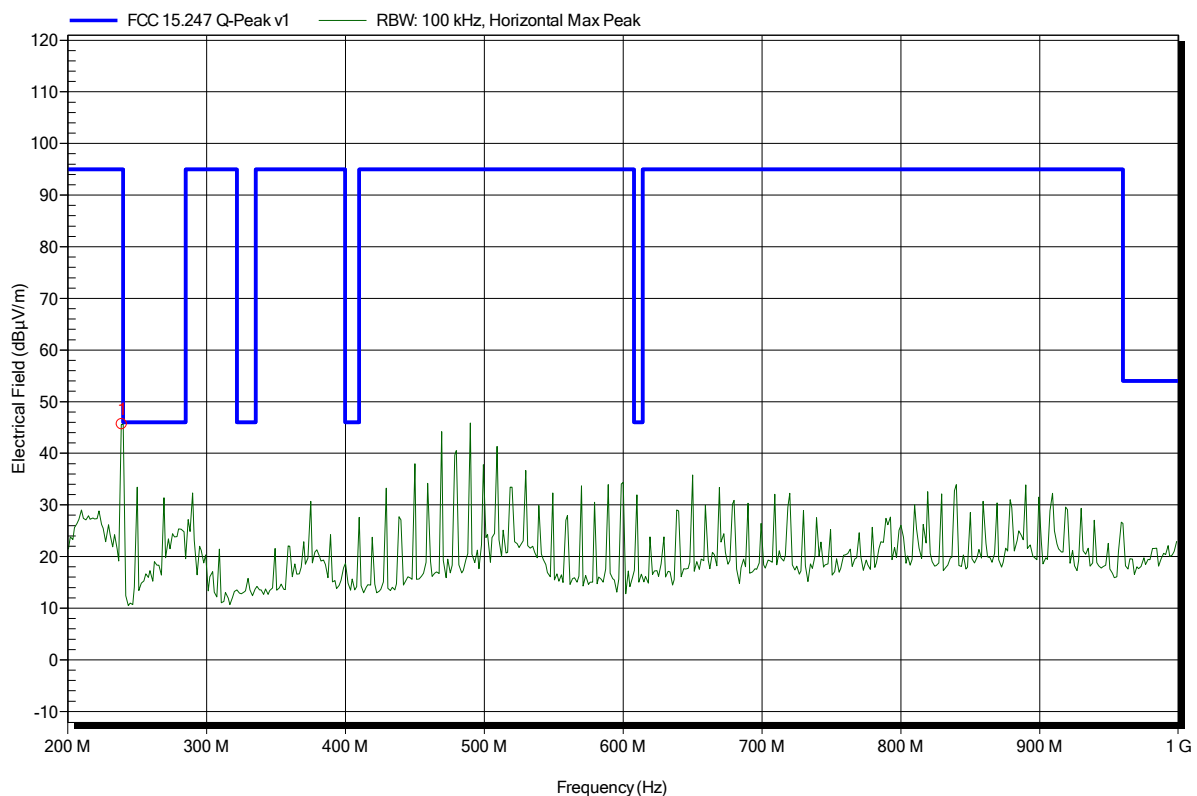


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
EUT Name: HD stereo microscope mit WLAN-Modul  
Model: Leica EZ4 W  
Test Site: Eurofins Product Service GmbH  
Operator: Mr. Treffke  
Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
Antenna: Rohde & Schwarz HL 223, Horizontal  
Measurement distance: 3 m  
Mode: TX; DSSS; 1Mbps; 2412 MHz  
Test Date: 2015-04-08  
Note:

Index 85



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
239.174 MHz	45.6 dBμV/m	95 dBμV/m	-49.4 dB	Pass

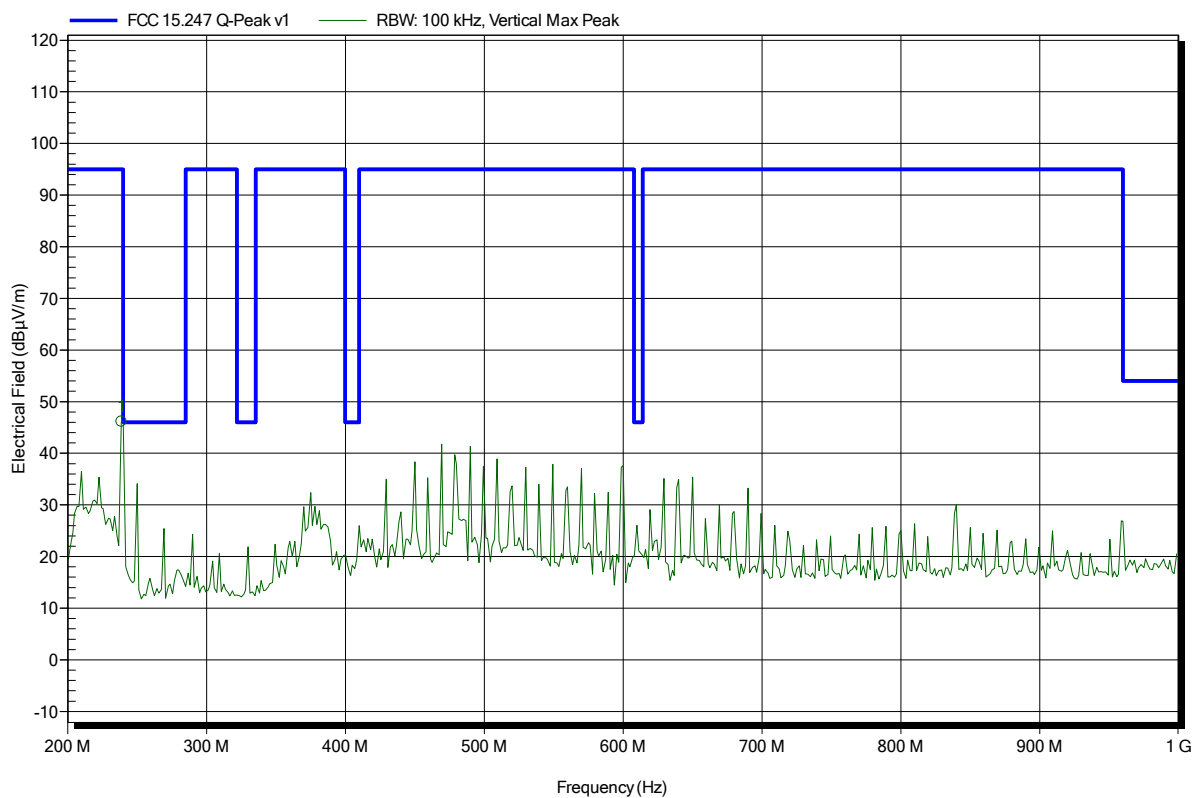


**Spurious emissions according to FCC 15.247**

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 86



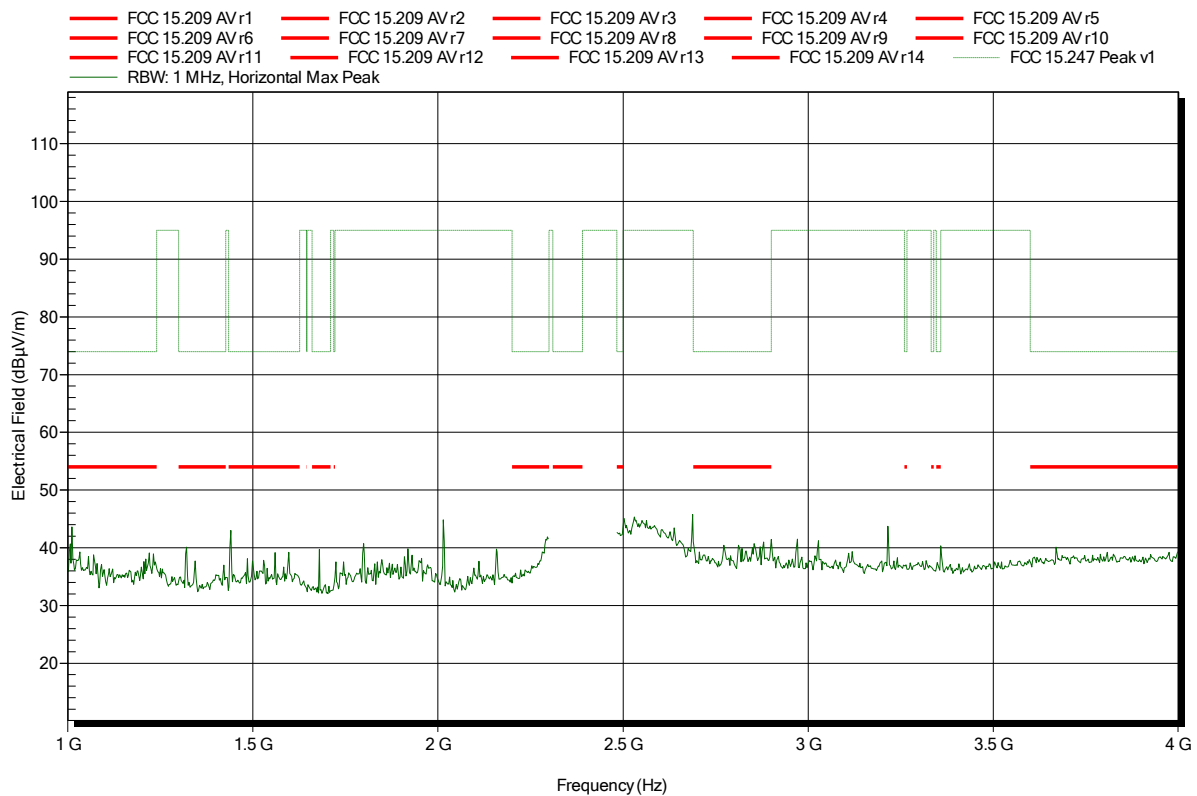
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
238.962 MHz	46.15 dBµV/m	95 dBµV/m	-48.85 dB	Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 41

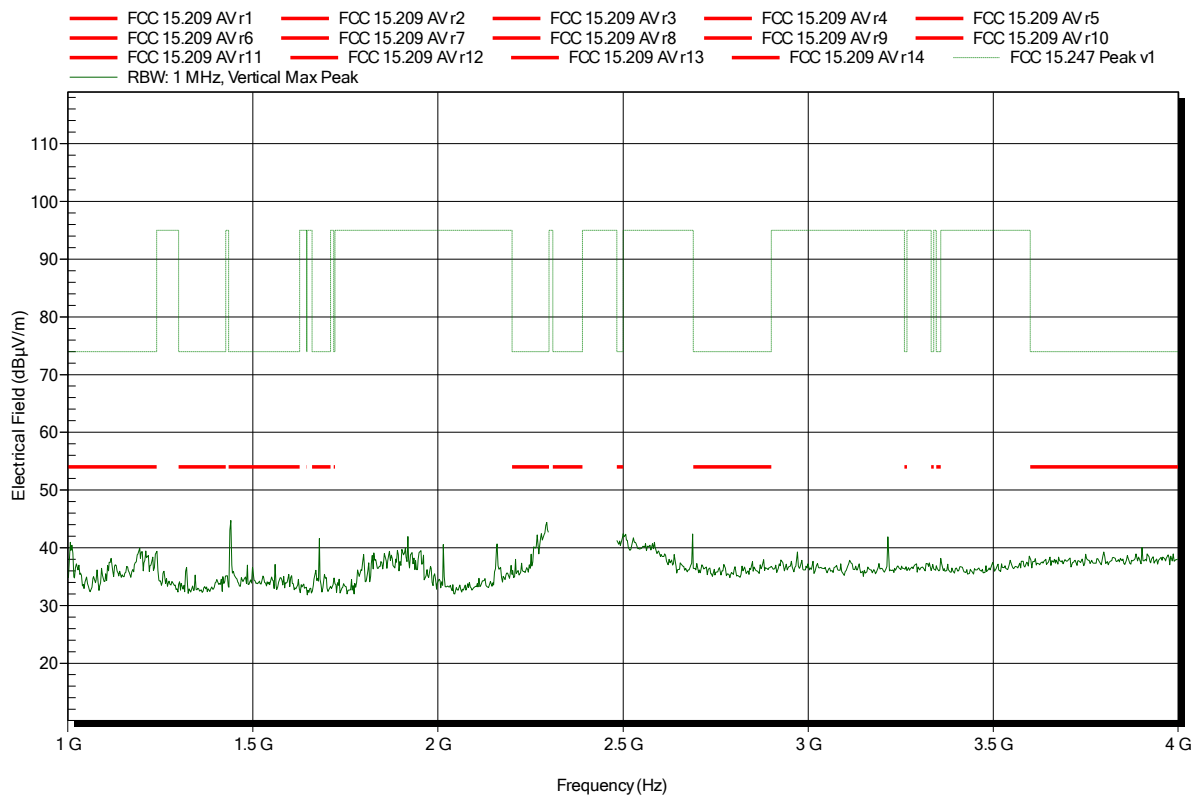


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 42

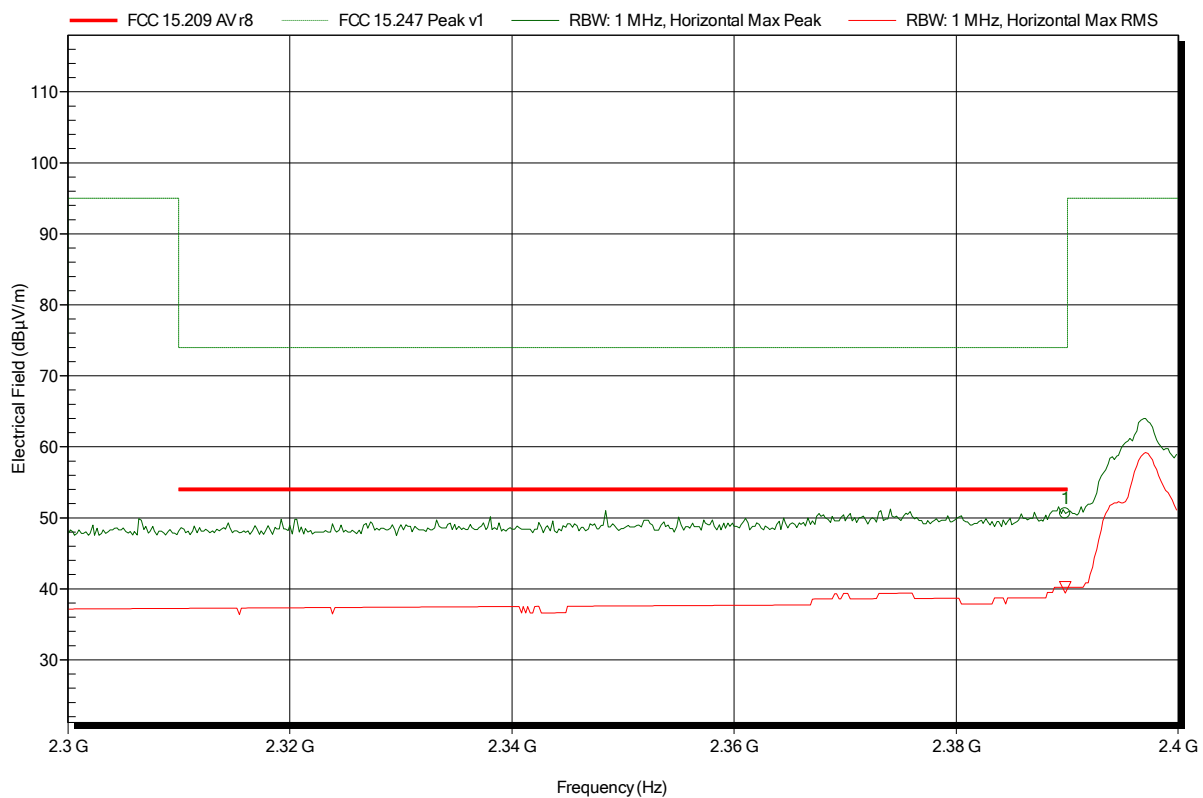


**Spurious emissions according to FCC 15.247**

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note: lower bandedge

Index 47



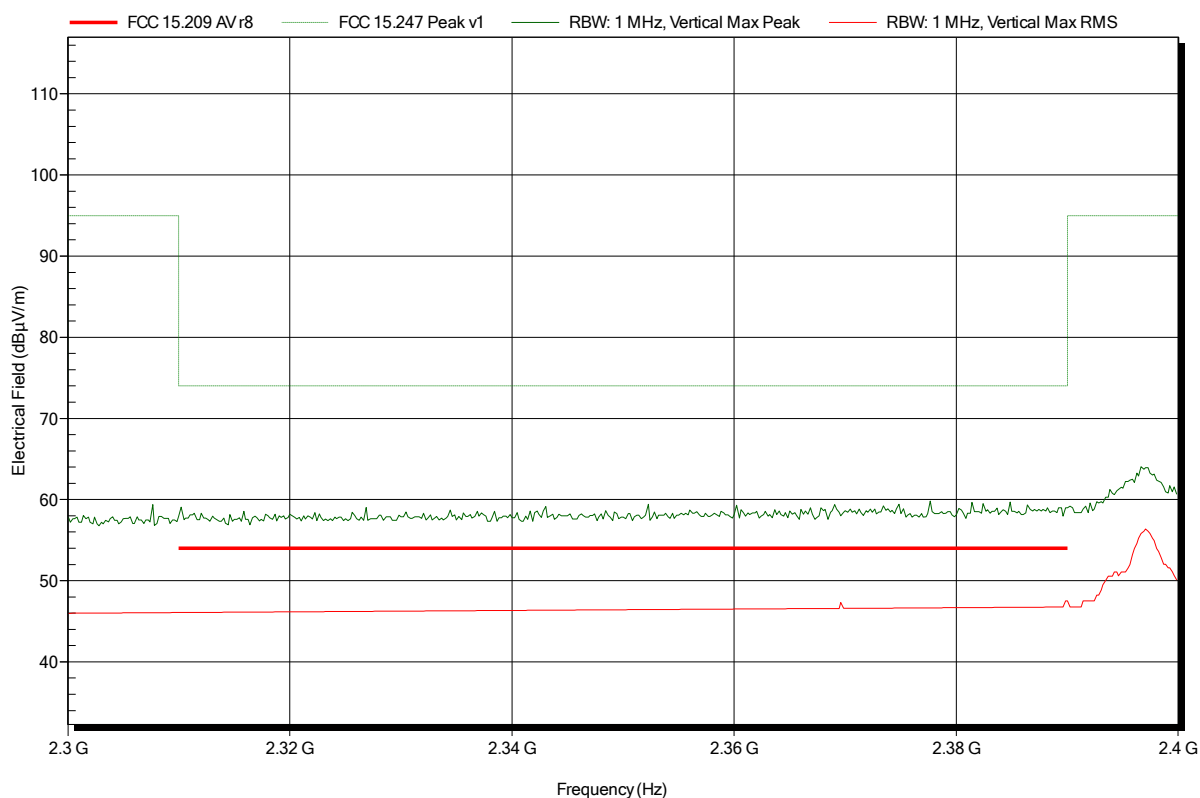
Frequency 2.39 GHz	Peak 50.6 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -23.4 dB	Peak Status Pass
Frequency 2.39 GHz	RMS 40.21 dBµV/m	RMS Limit 54 dBµV/m	RMS Difference -13.79 dB	RMS Status Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note: lower bandedge

Index 51

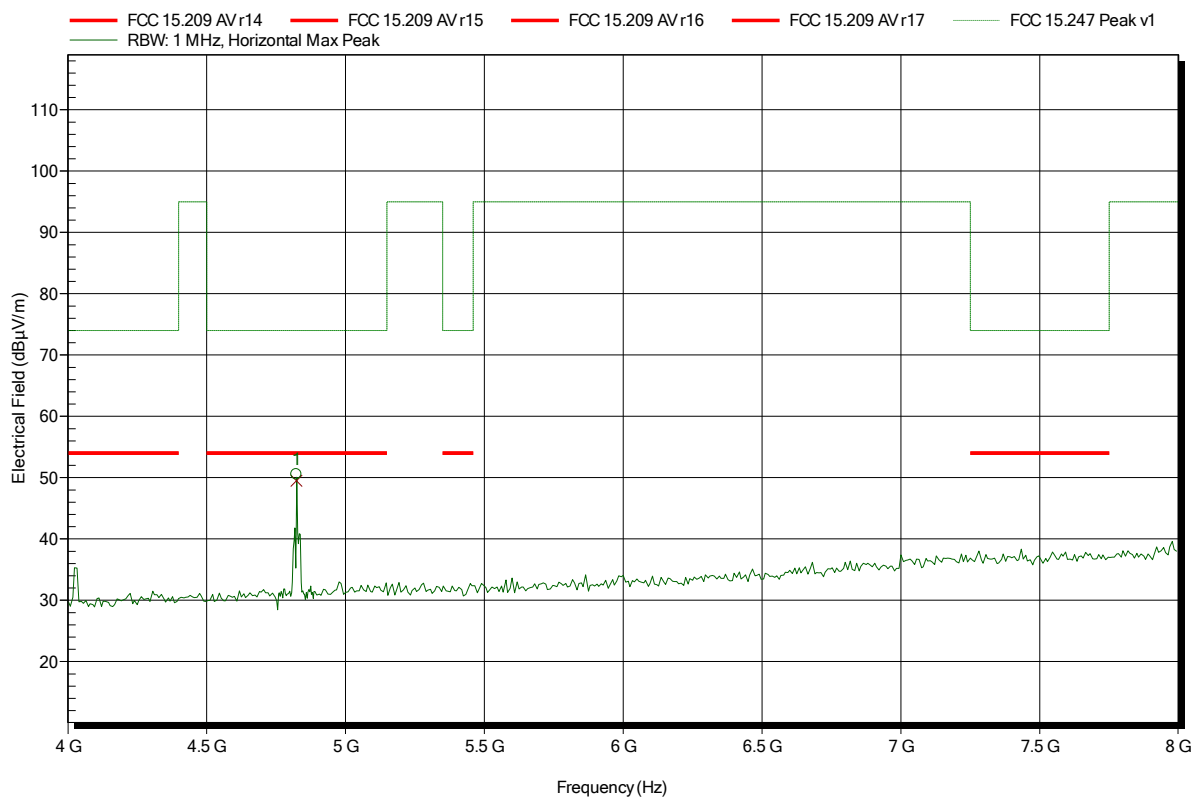


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 48



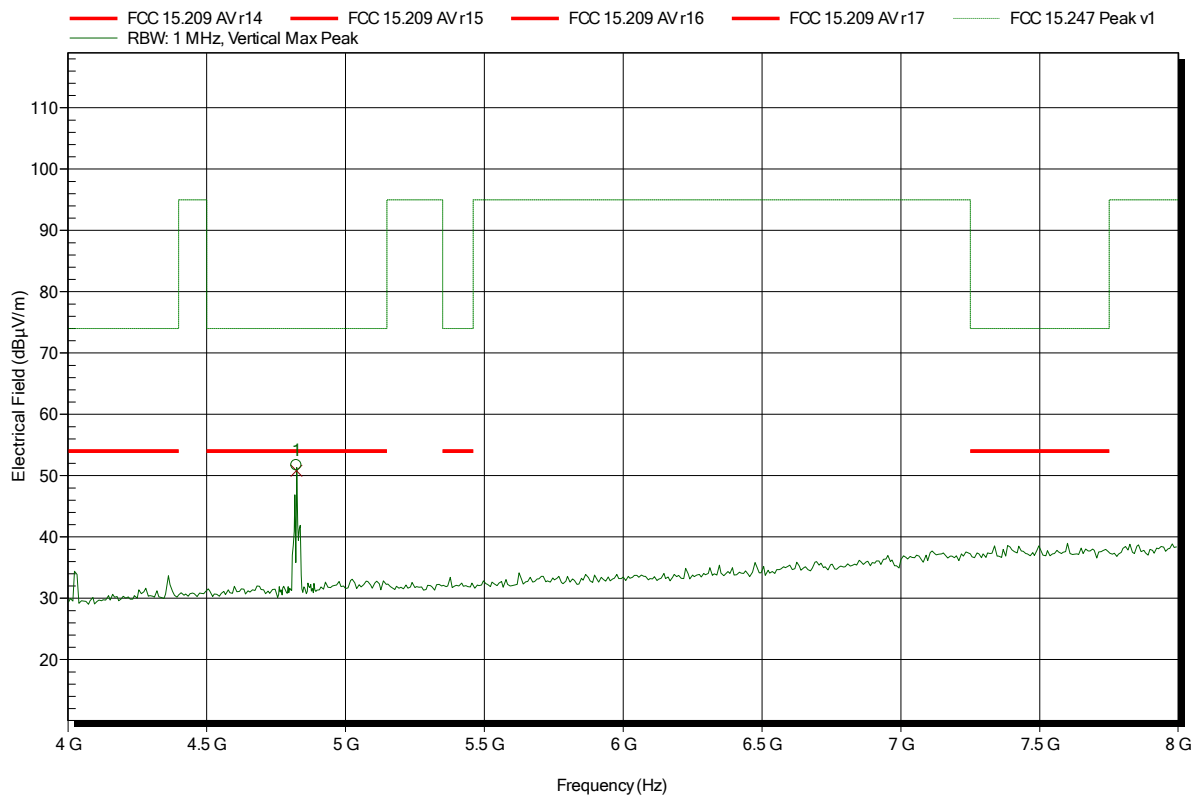
Frequency 4.824 GHz	Peak 50.52 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -23.48 dB	Status Pass
Frequency 4.824 GHz	Average 49.48 dBμV/m	Average Limit 54 dBμV/m	Average Difference -4.52 dB	Average Status Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 52



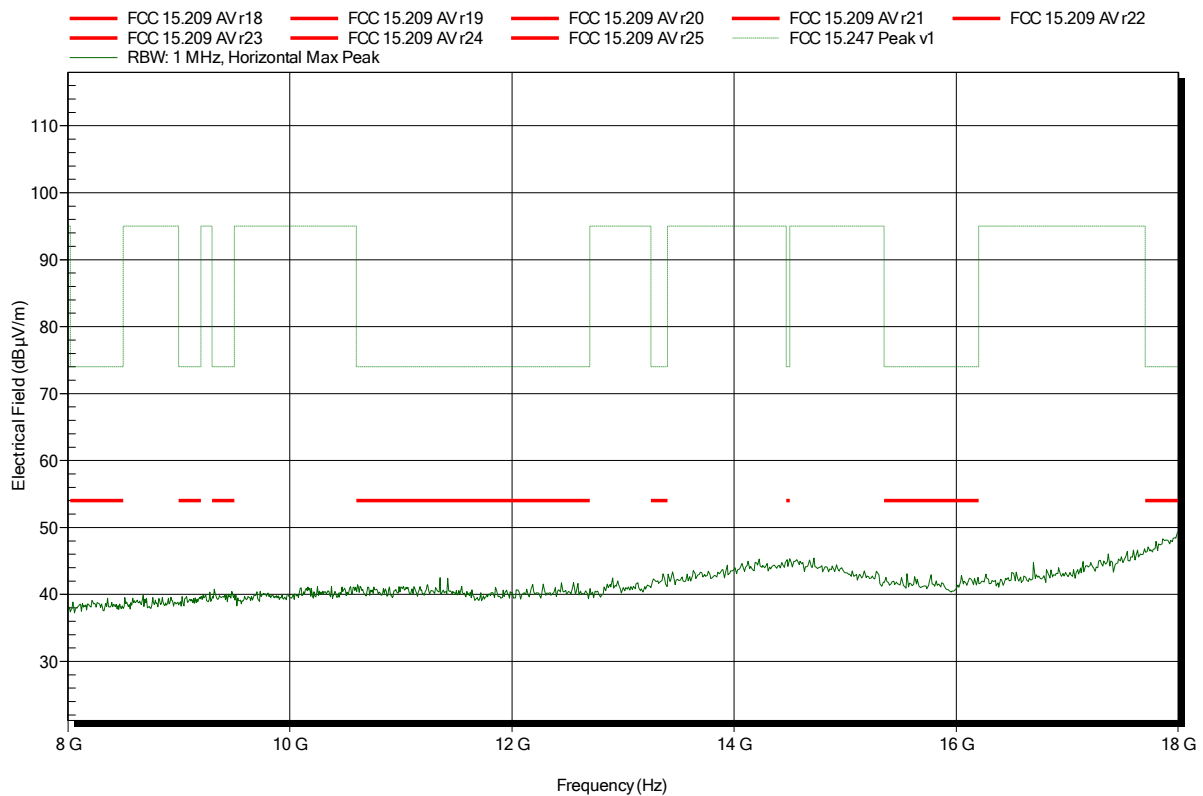
Frequency 4.824 GHz	Peak 51.7 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -22.3 dB	Status Pass
Frequency 4.824 GHz	Average 50.78 dBμV/m	Average Limit 54 dBμV/m	Average Difference -3.22 dB	Average Status Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 49



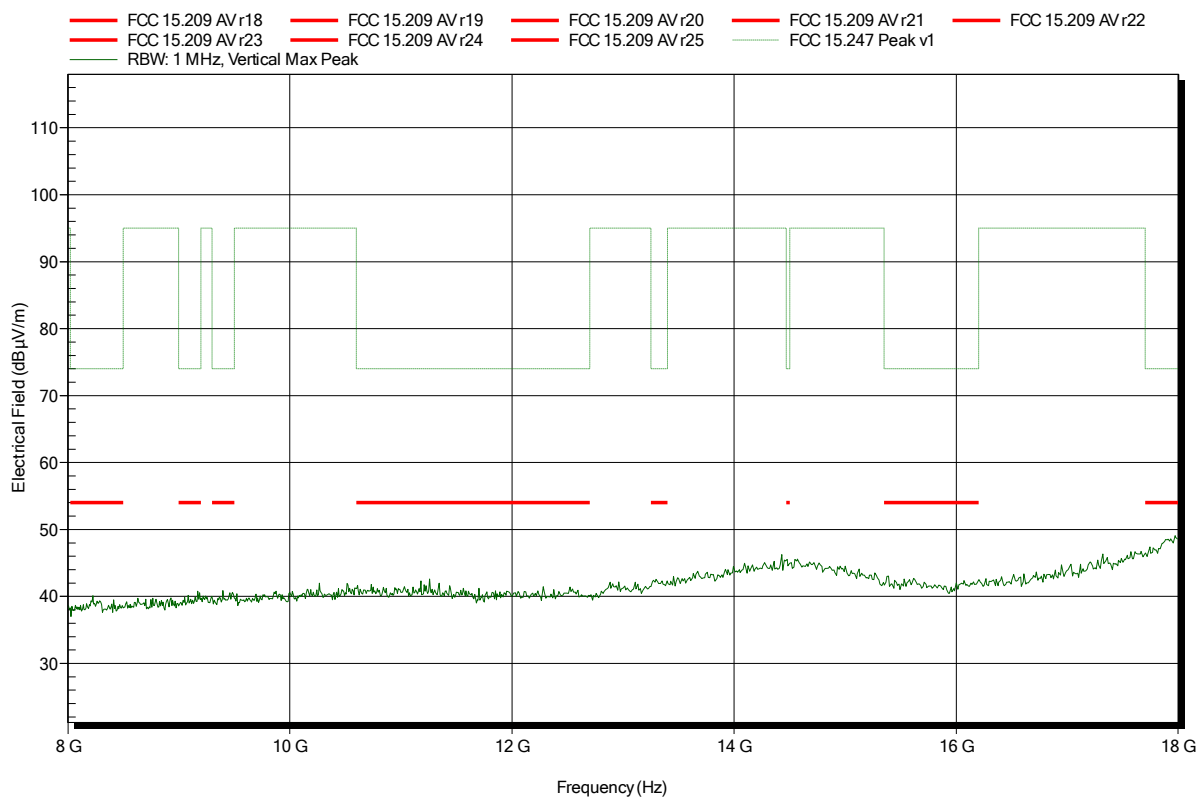


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 53

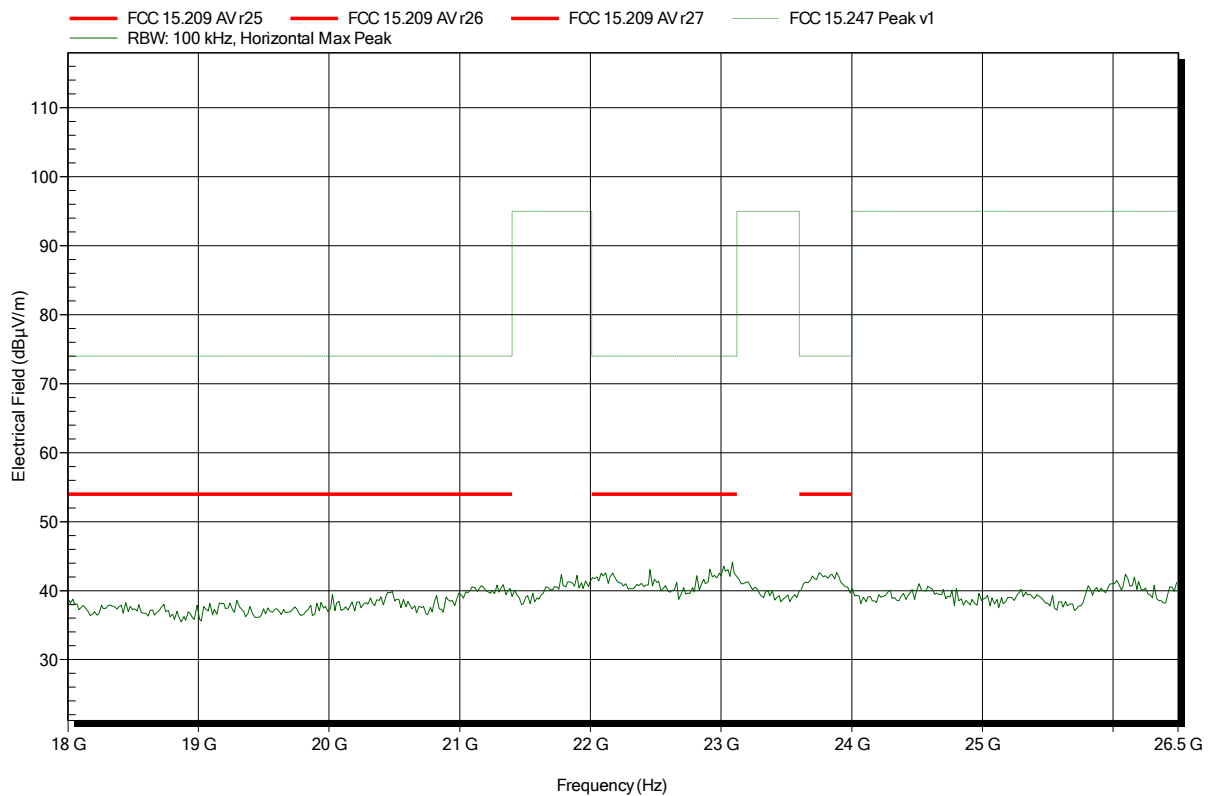


**Spurious emissions according to FCC 15.247**

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 025, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 50

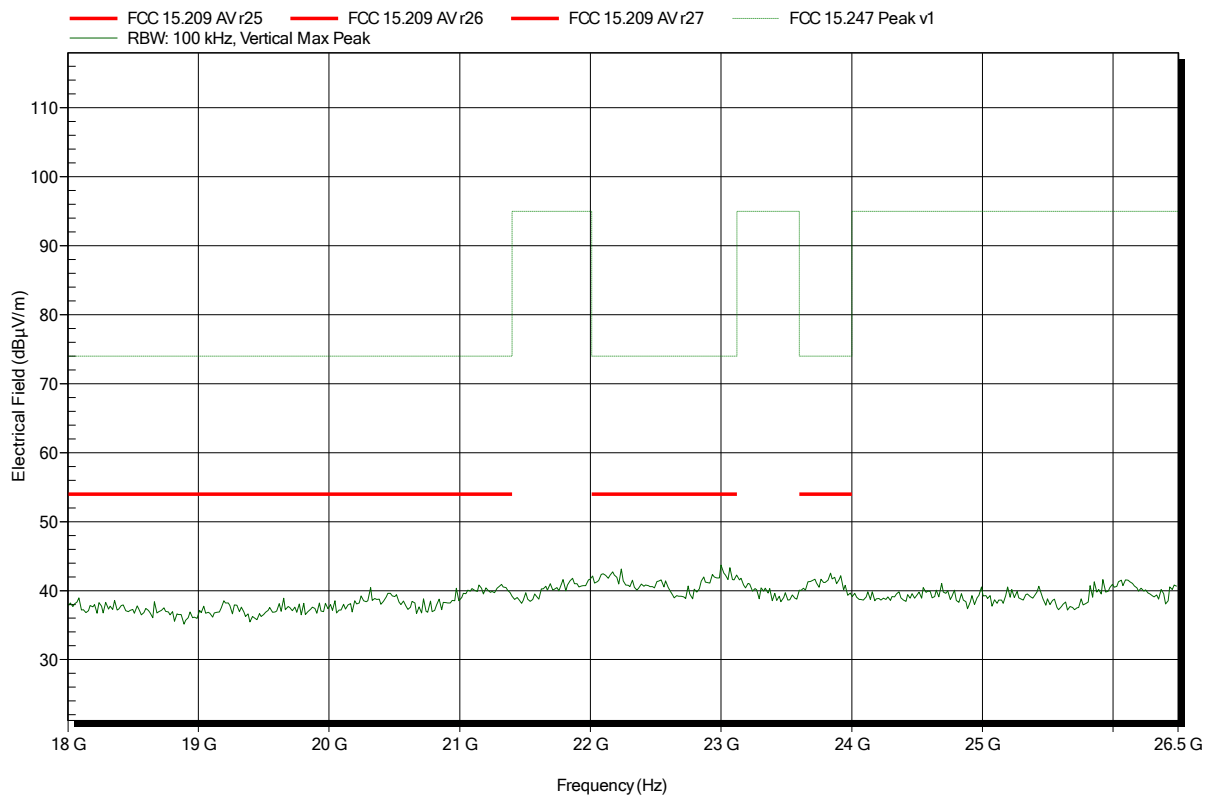


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 025, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 54

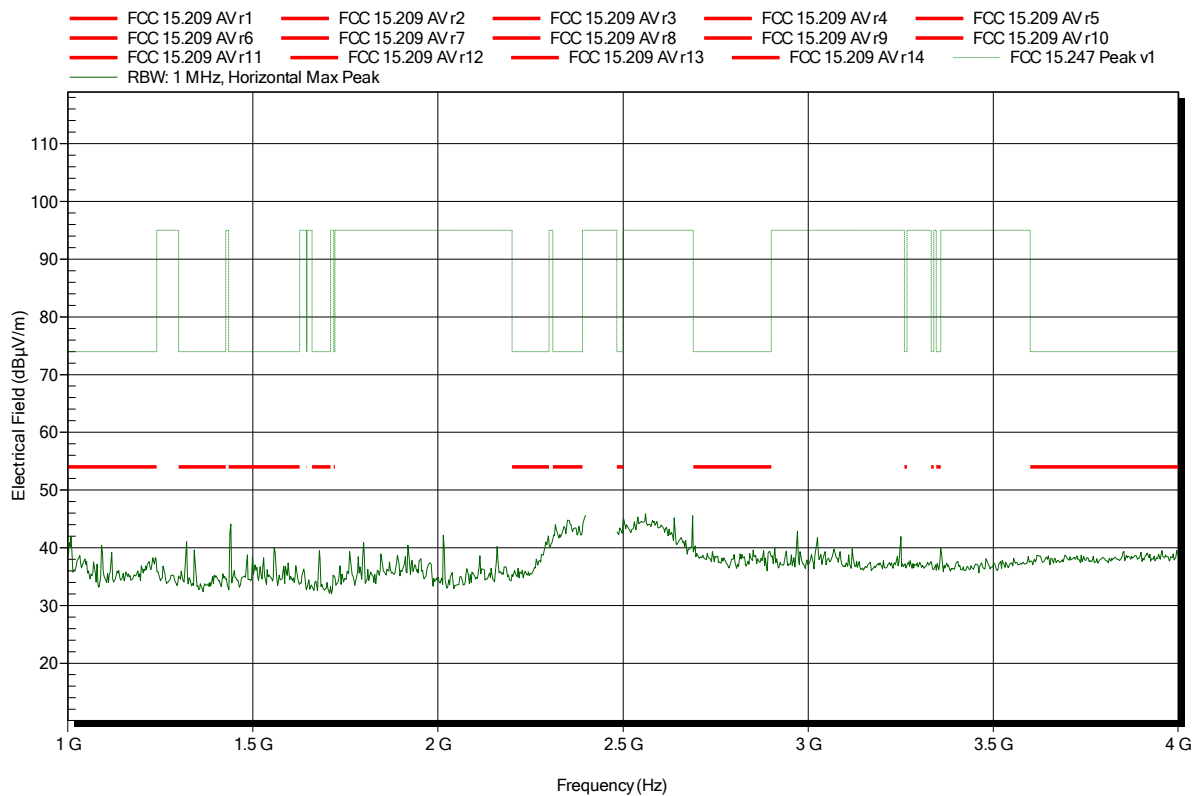


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; DSSS; 1Mbps; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 44

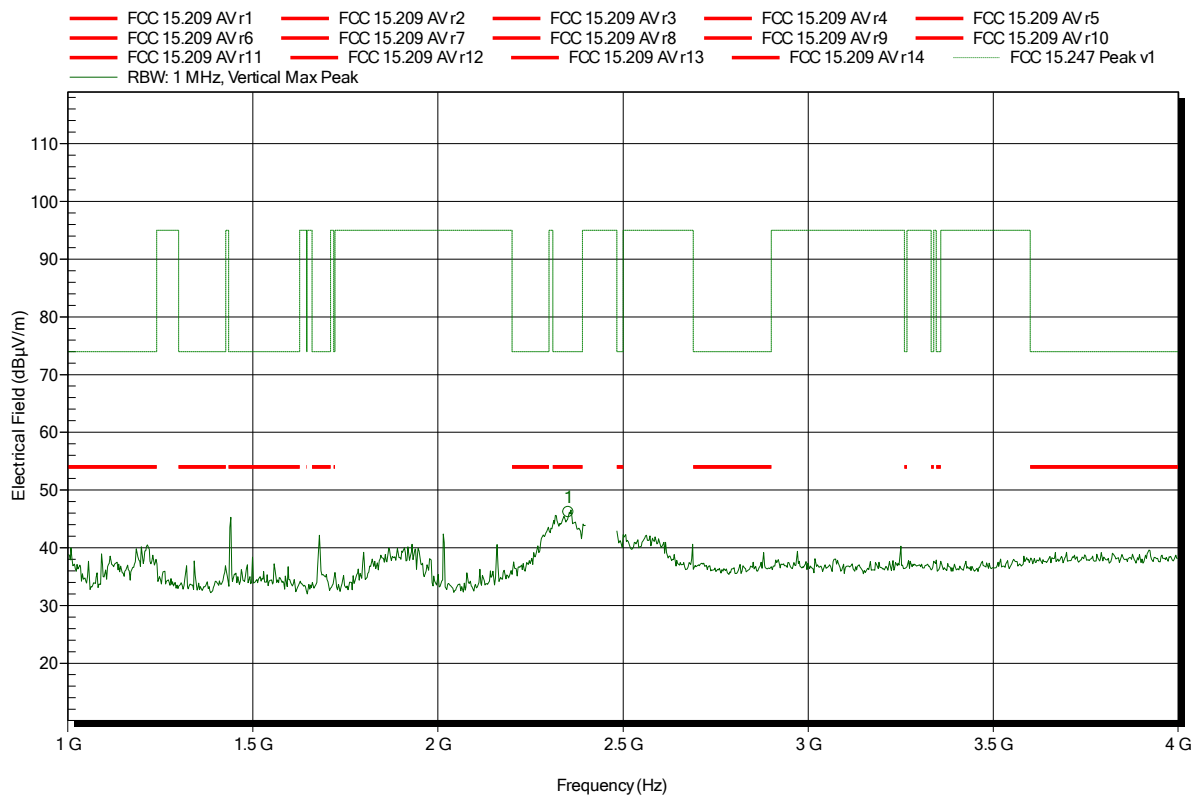


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; DSSS; 1Mbps; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 43



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.3524 GHz	46.18 dBµV/m	74 dBµV/m	-27.82 dB	Pass

Test Report No.: G0M-1503-4616-TFC247WF-V01

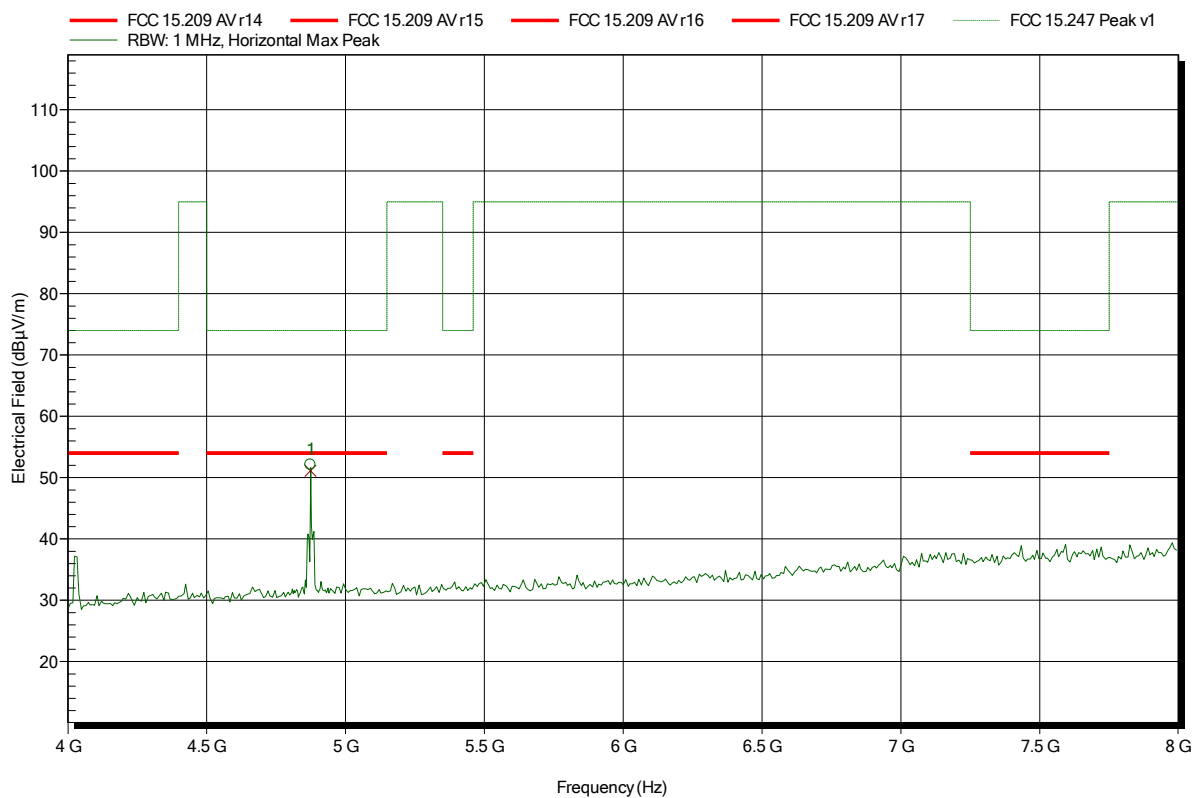
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 55



Frequency 4.874 GHz	Peak 52.1 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -21.9 dB	Status Pass
Frequency 4.874 GHz	Average 51.1 dBμV/m	Average Limit 54 dBμV/m	Average Difference -2.9 dB	Average Status Pass

Test Report No.: G0M-1503-4616-TFC247WF-V01

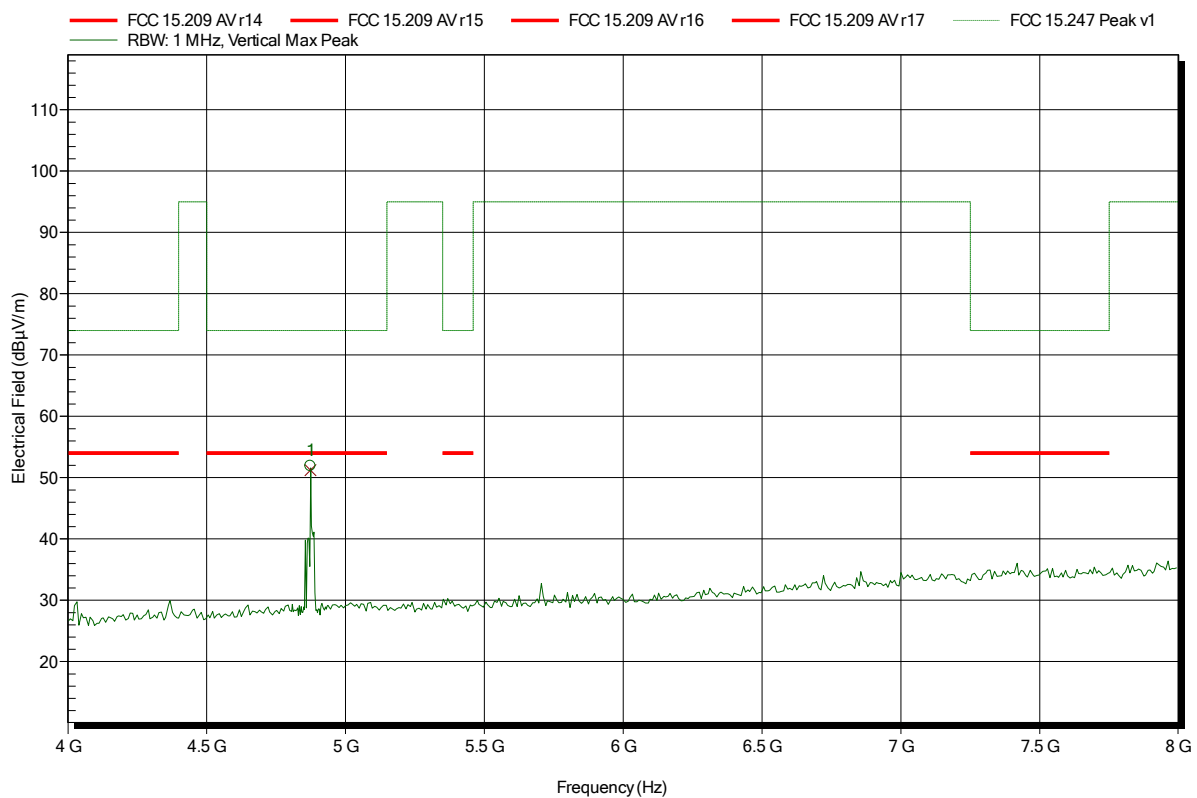
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 58



Frequency 4.874 GHz	Peak 51.9 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -22.1 dB	Status Pass
Frequency 4.874 GHz	Average 51.23 dBμV/m	Average Limit 54 dBμV/m	Average Difference -2.77 dB	Average Status Pass

Test Report No.: G0M-1503-4616-TFC247WF-V01

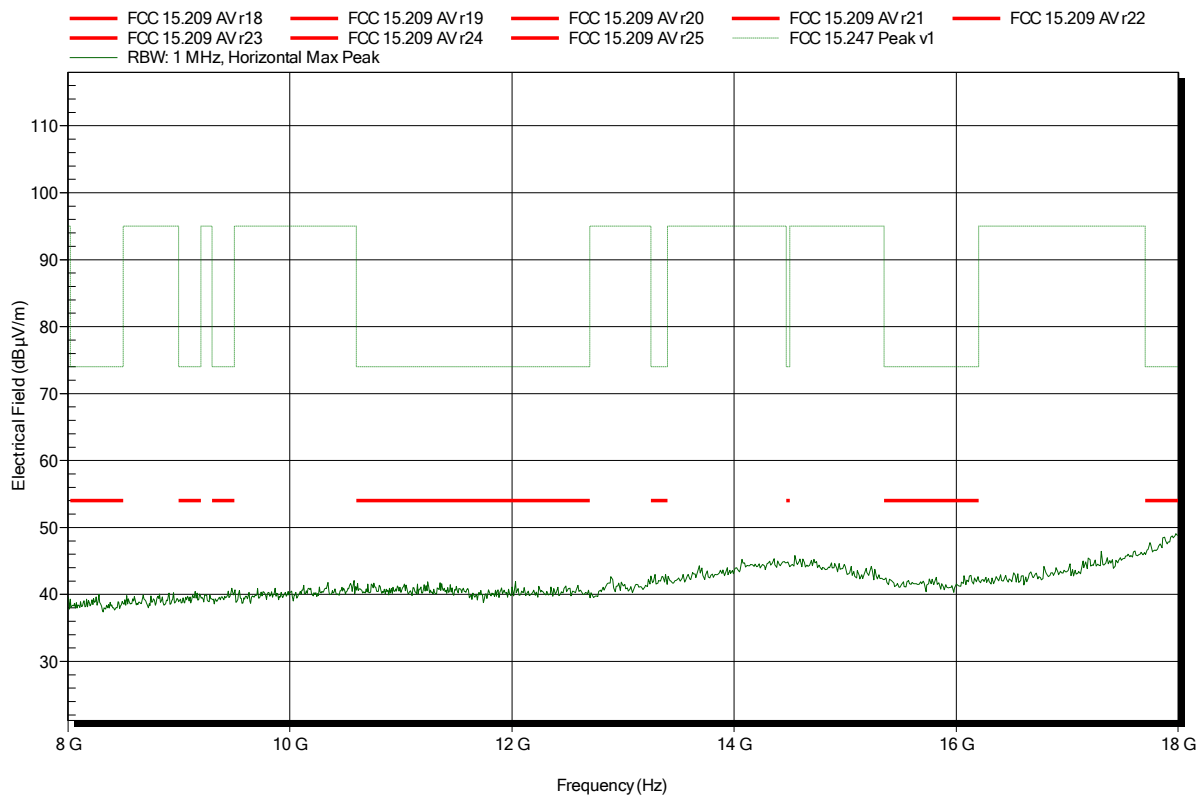
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**Spurious emissions according to FCC 15.247**

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 56



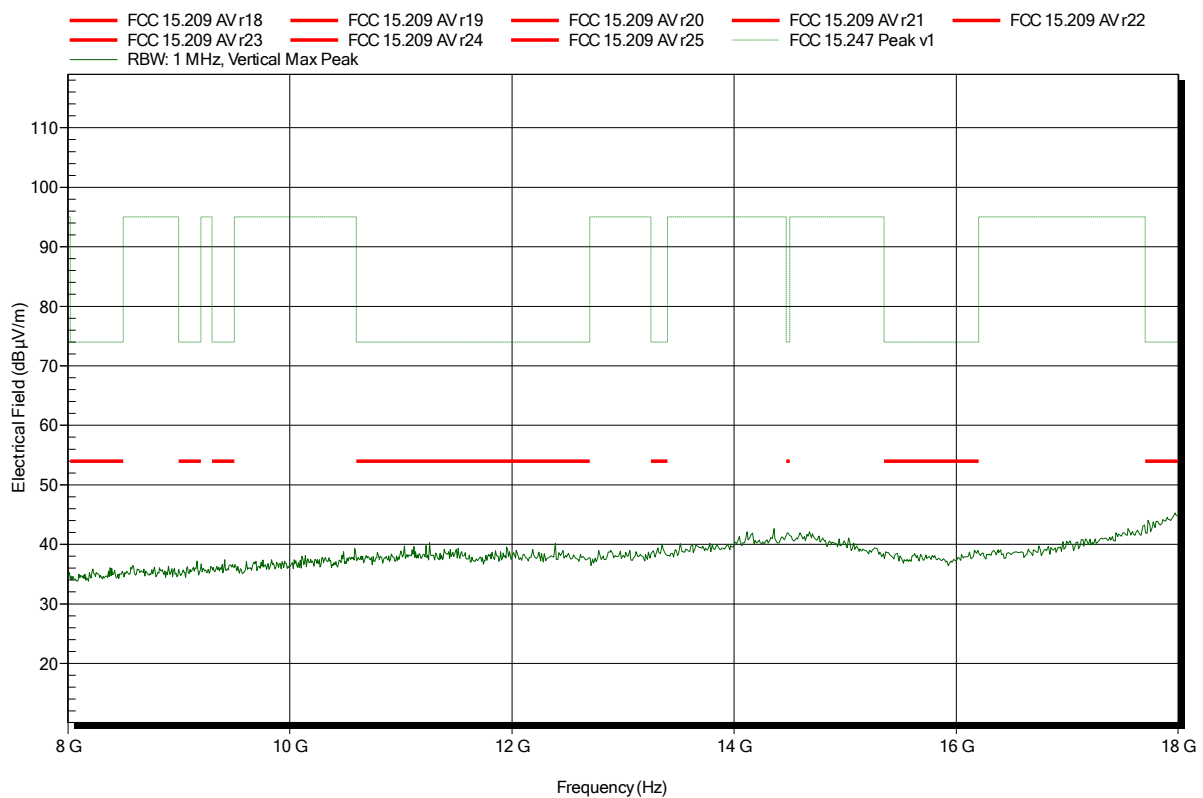


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 59

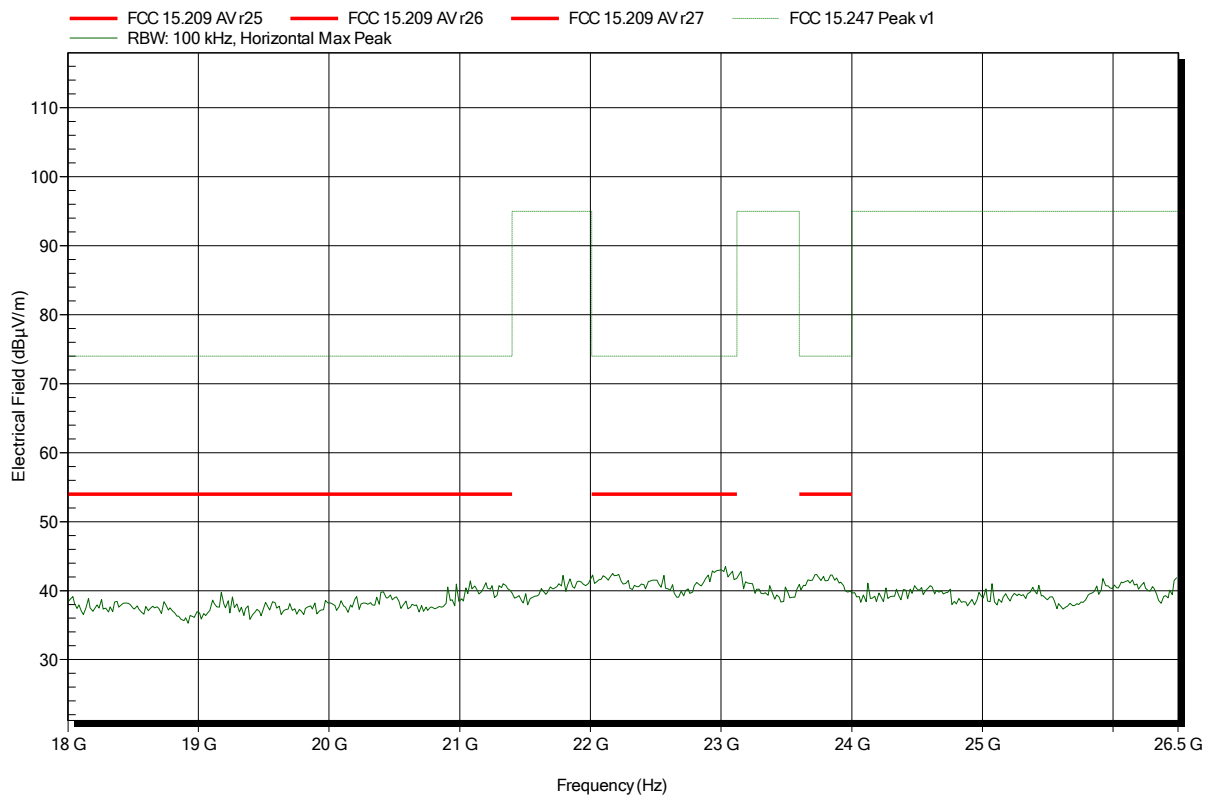


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 025, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 57

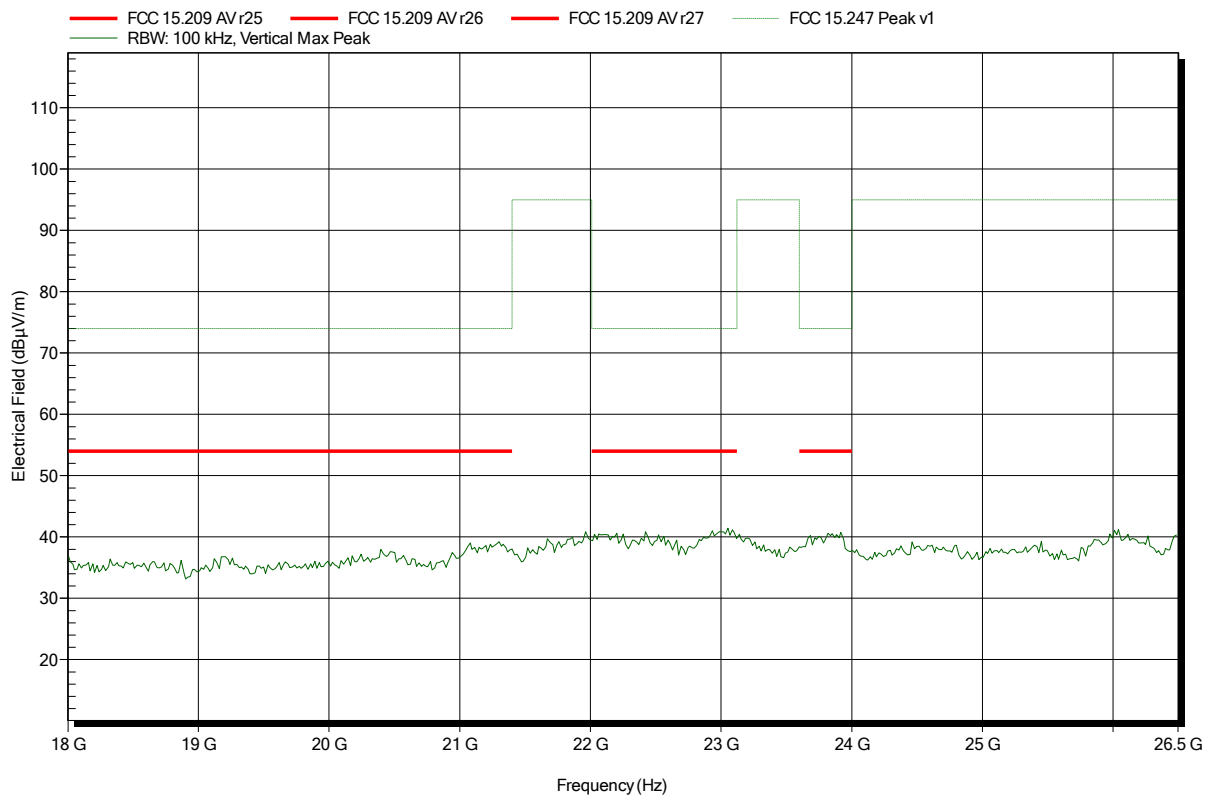


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 025, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 60

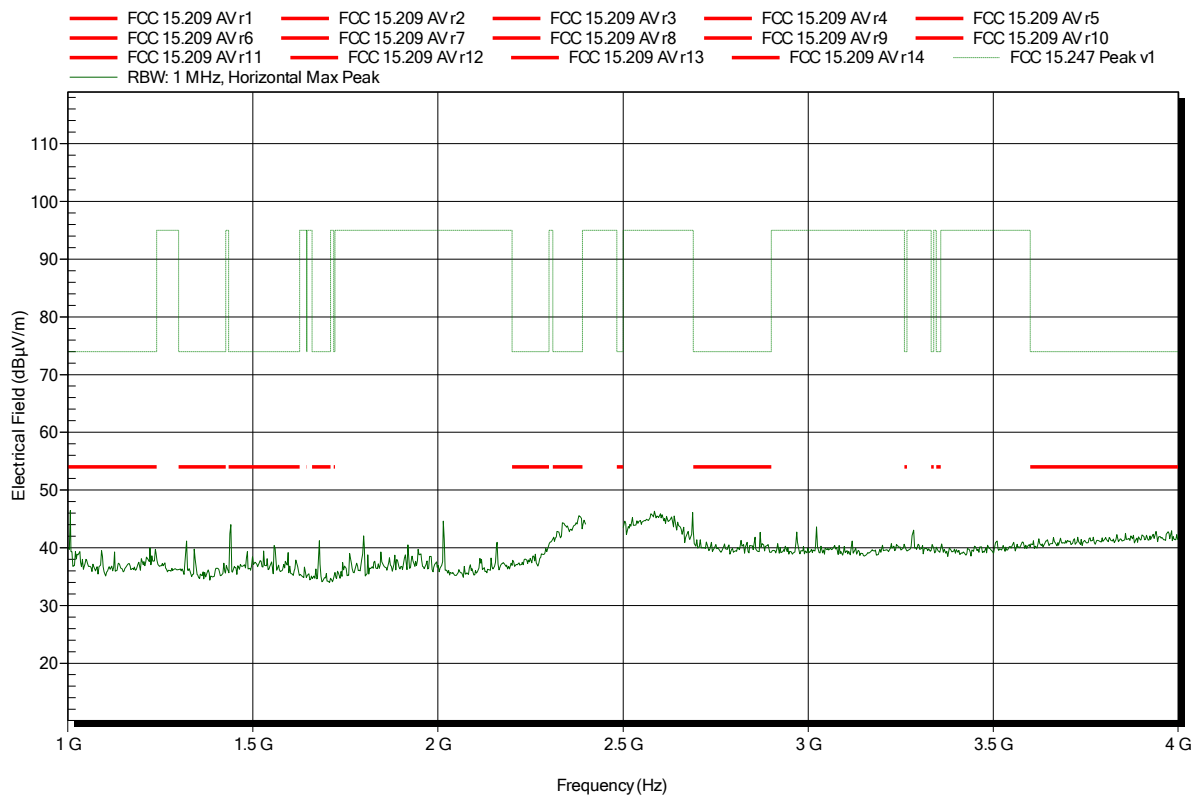


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 45

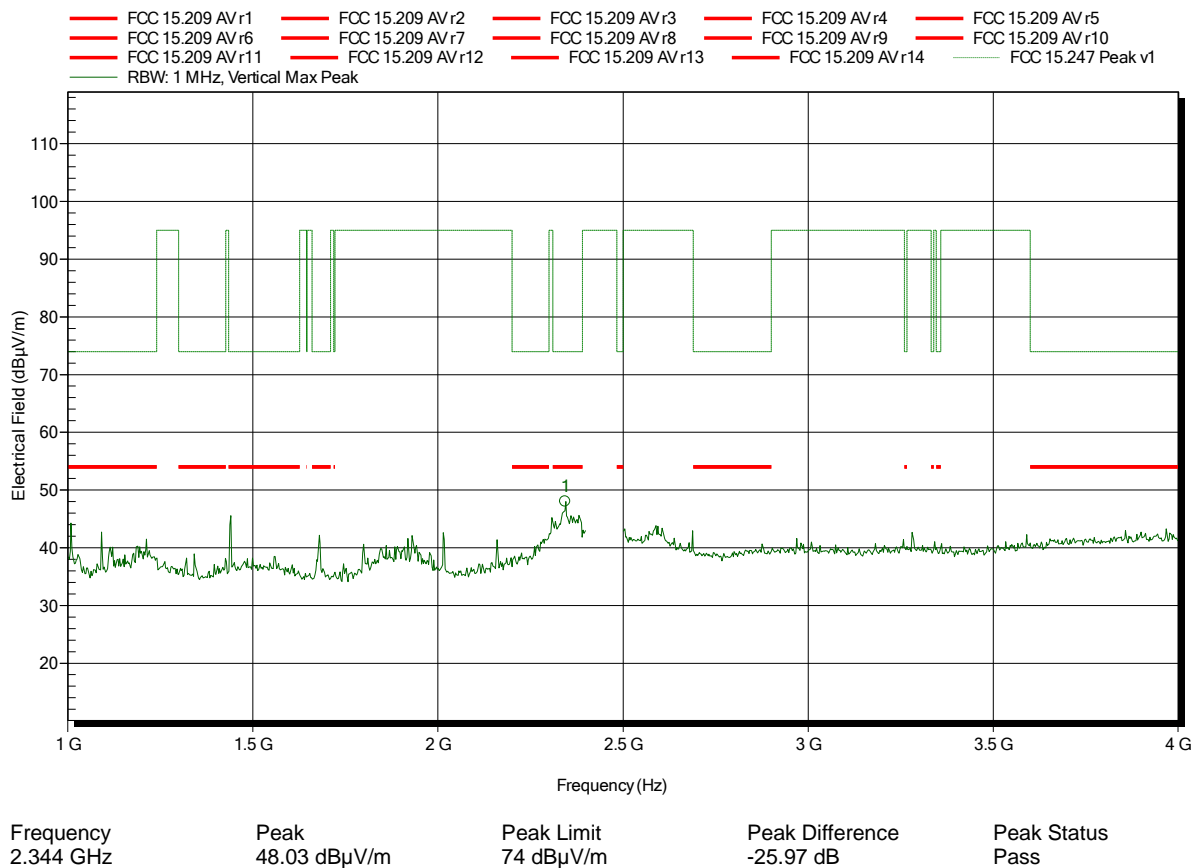


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 46

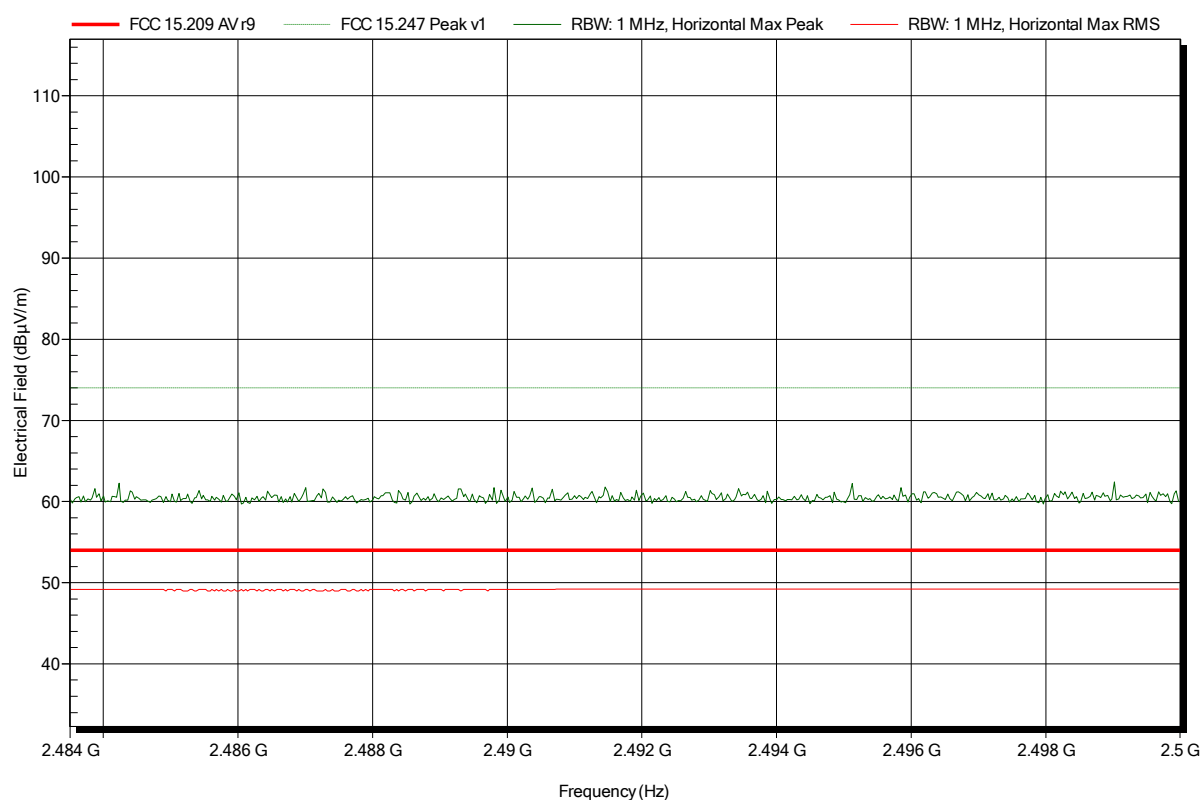


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note: upper bandedge

Index 61

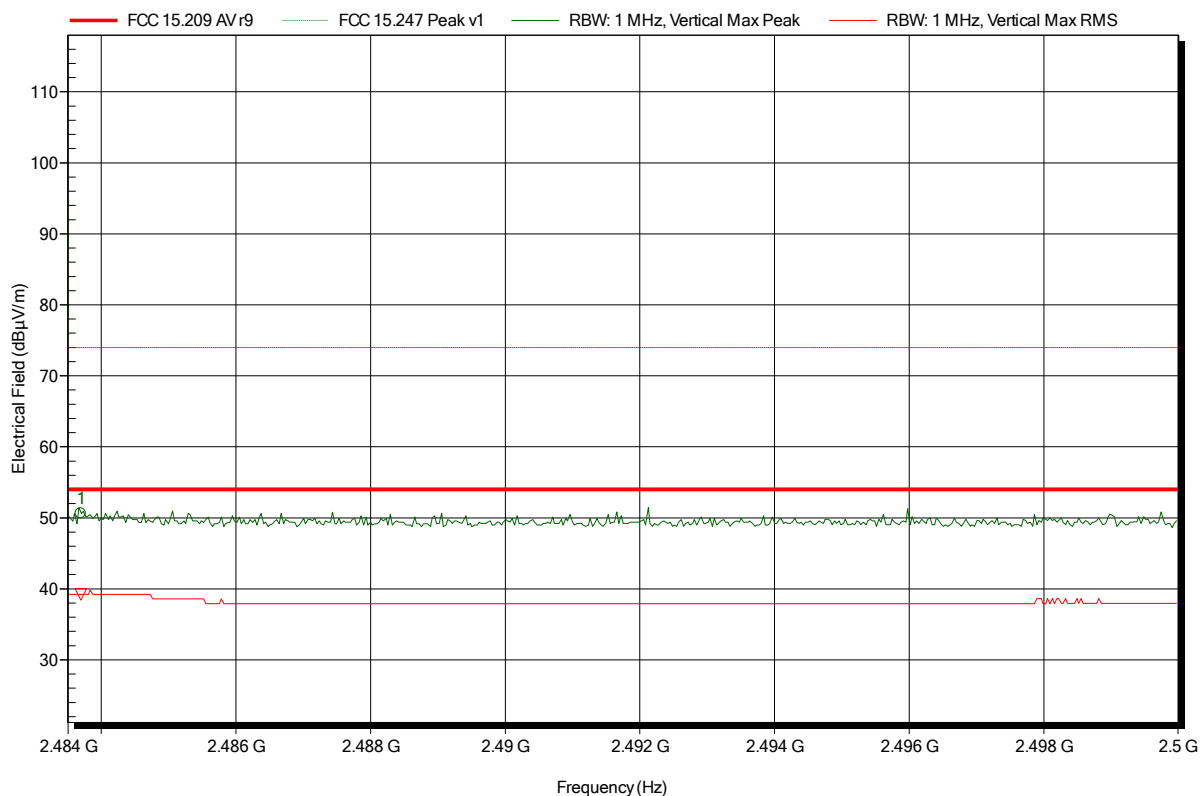


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note: upper bandedge

Index 65



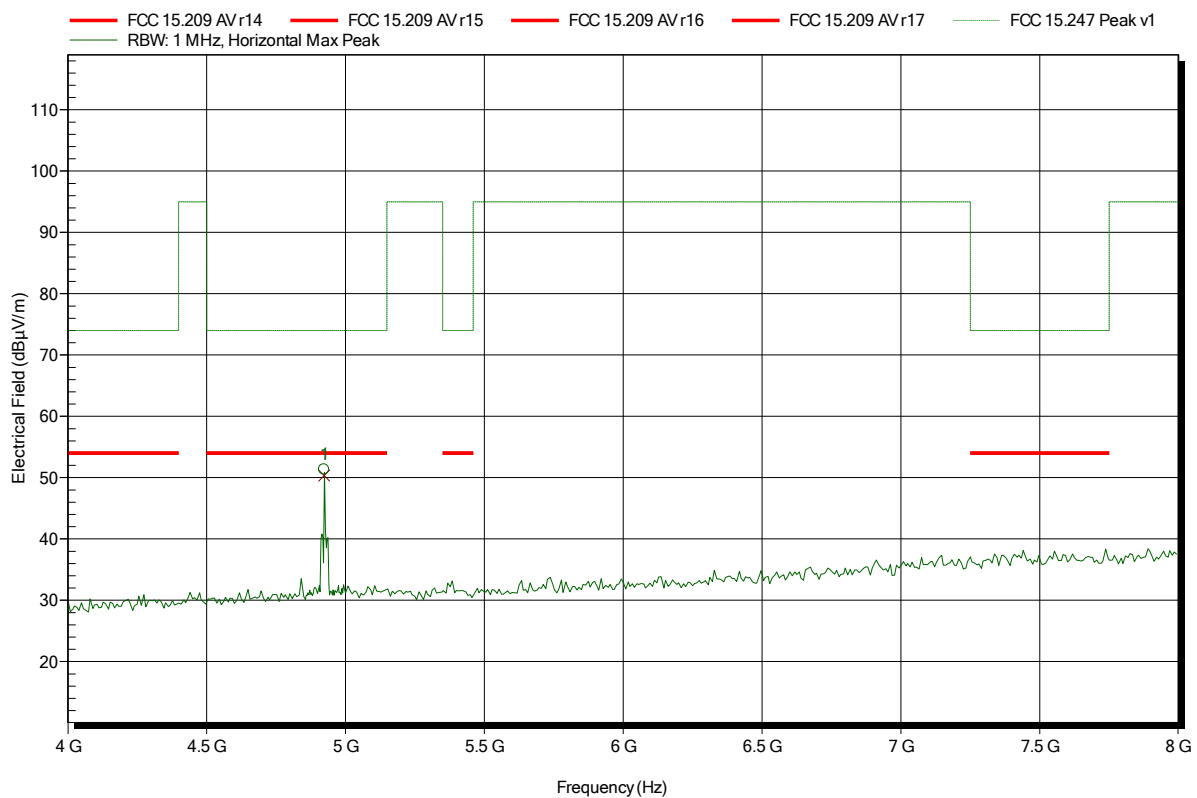
Frequency 2.4837 GHz	Peak 50.62 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -23.38 dB	Peak Status Pass
Frequency 2.4837 GHz	RMS 39.22 dBμV/m	RMS Limit 54 dBμV/m	RMS Difference -14.78 dB	RMS Status Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 62



Frequency 4.924 GHz	Peak 51.34 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -22.66 dB	Status Pass
Frequency 4.924 GHz	Average 50.31 dBµV/m	Average Limit 54 dBµV/m	Average Difference -3.69 dB	Average Status Pass

Test Report No.: G0M-1503-4616-TFC247WF-V01

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

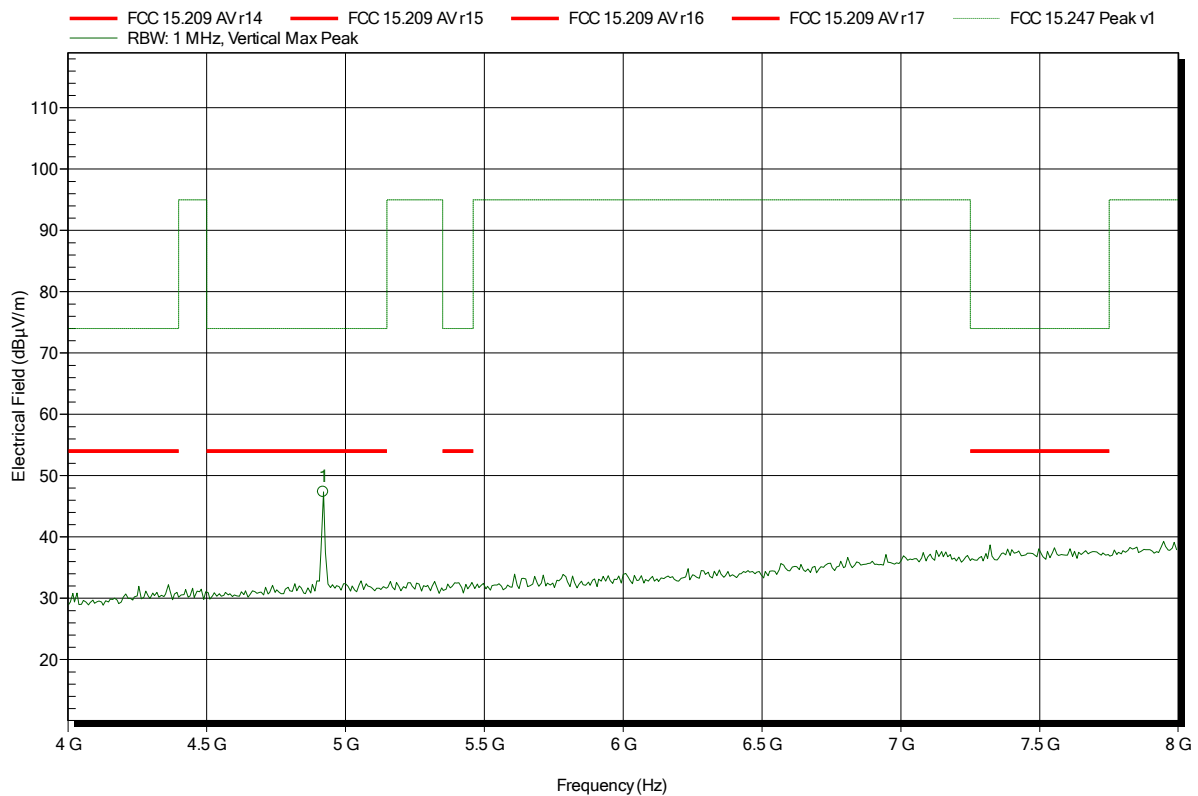


**Spurious emissions according to FCC 15.247**

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 66



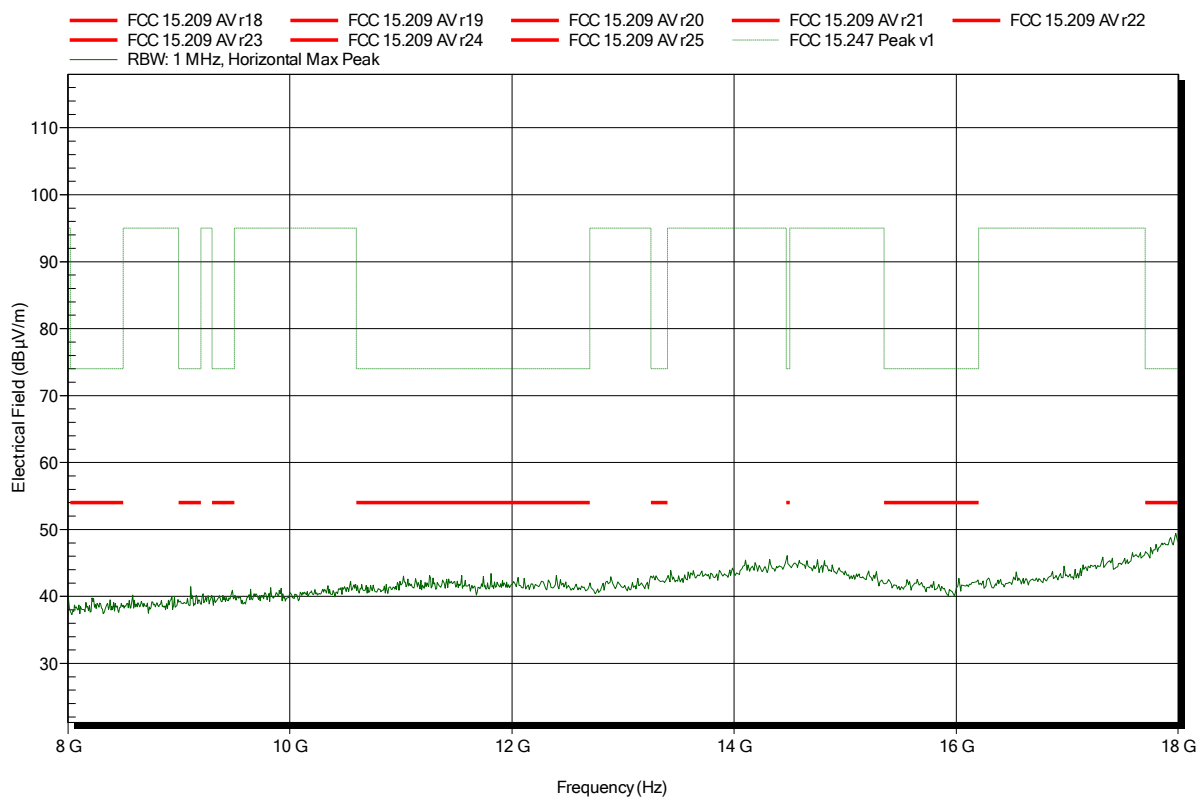
Frequency	Peak	Peak Limit	Peak Difference	Status
4.92 GHz	47.35 dBµV/m	74 dBµV/m	-26.65 dB	Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 63

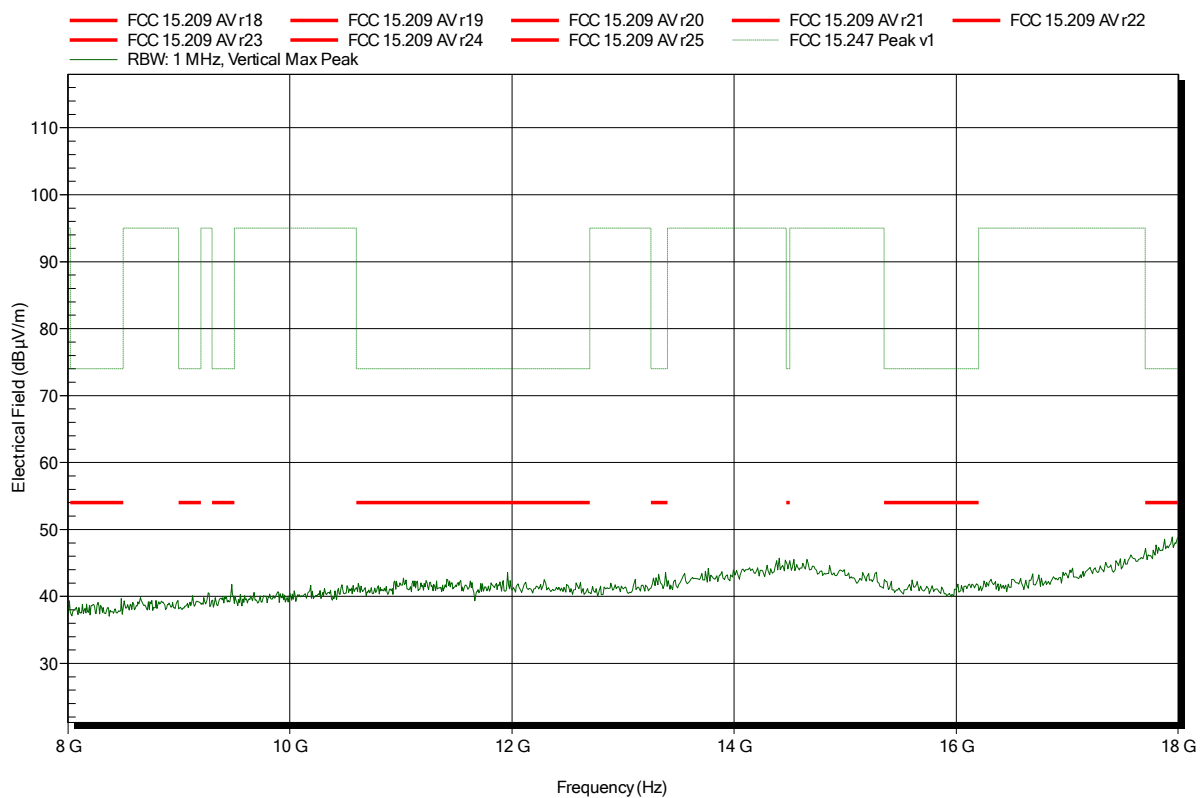


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 67

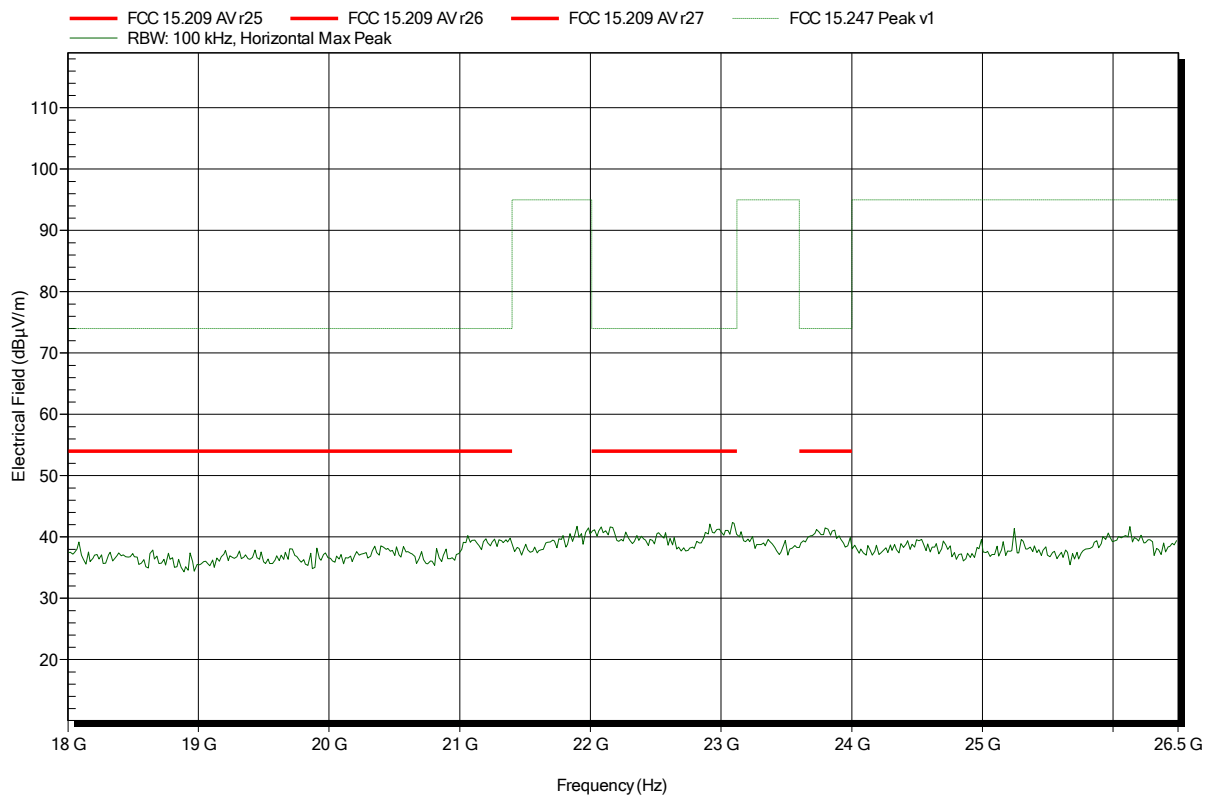


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 025, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 64

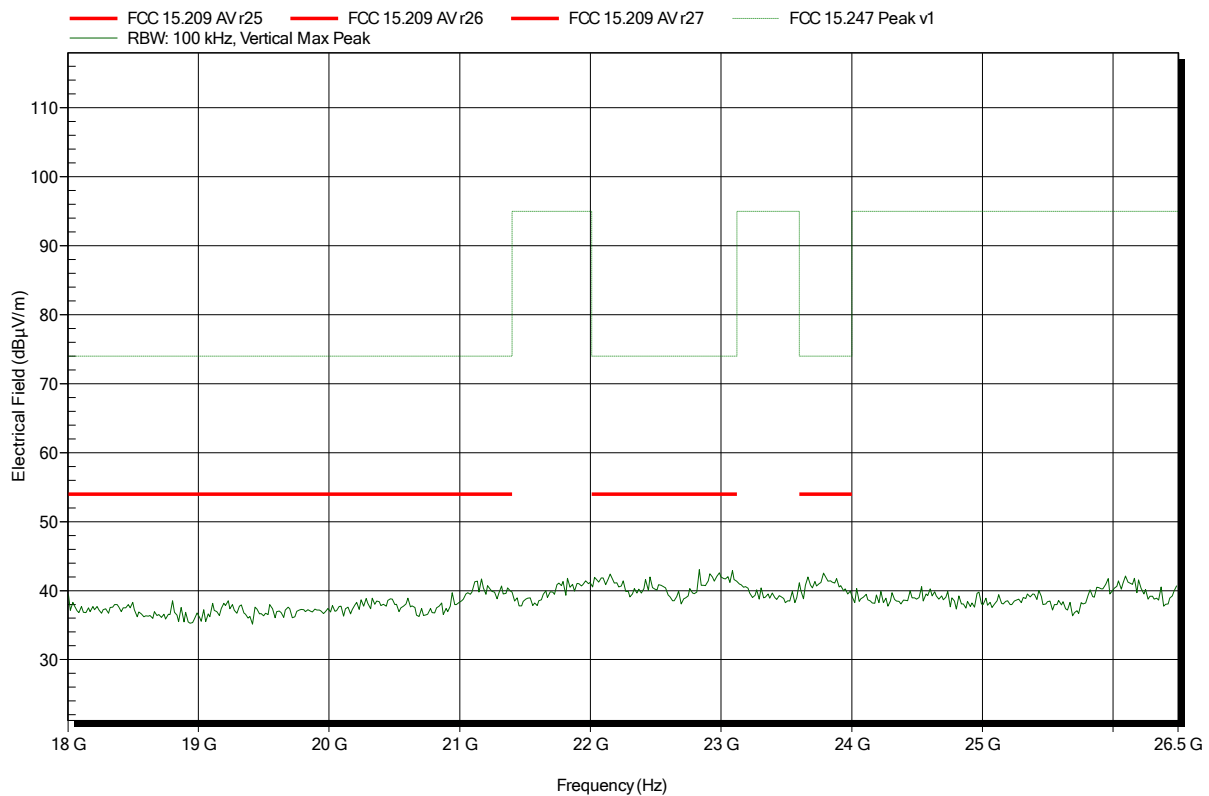


**Spurious emissions according to FCC 15.247**

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 025, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; DSSS; 1Mbps; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 68

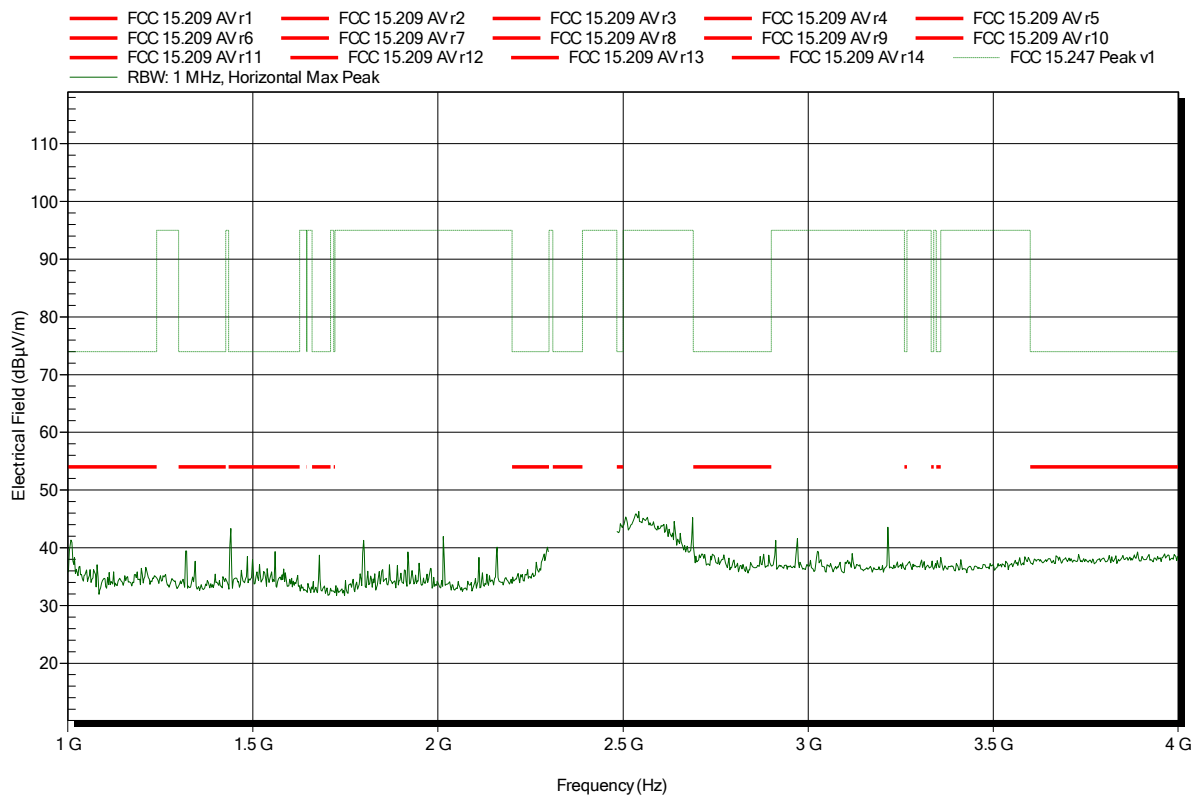


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; HT20; MCS0; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 83

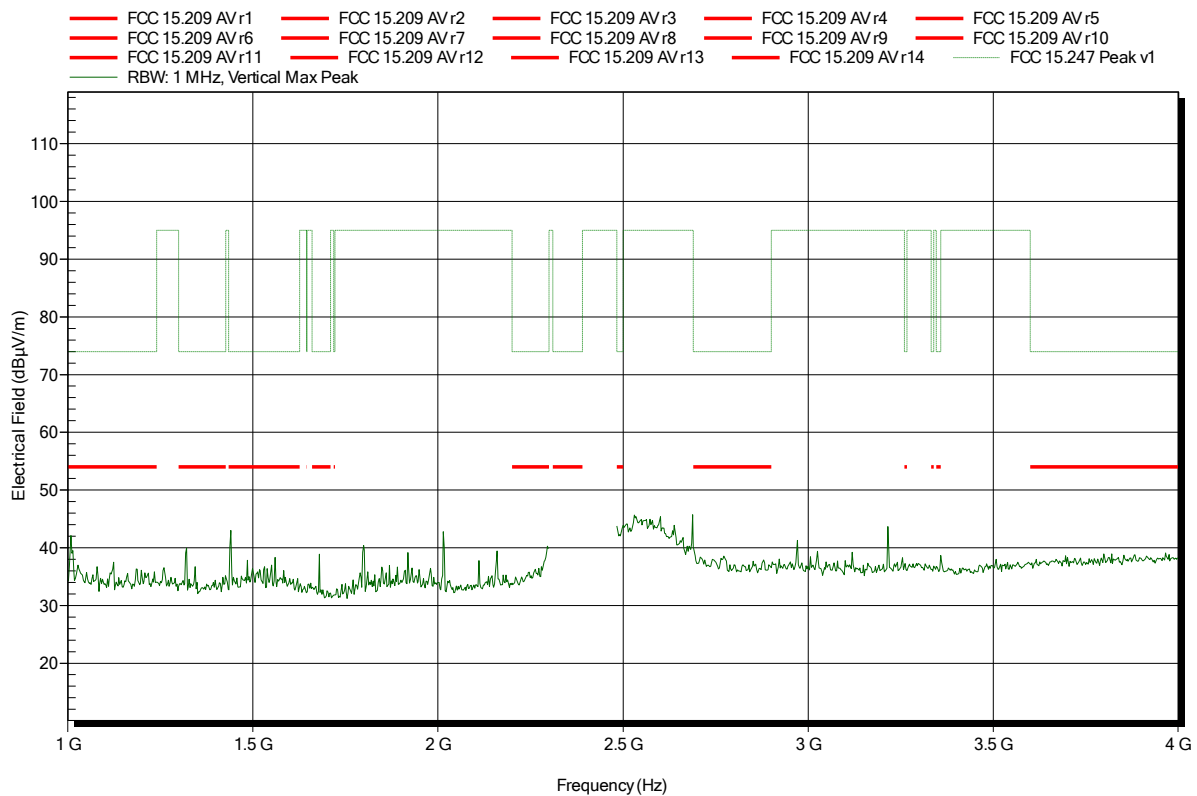


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; HT20; MCS0; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 84

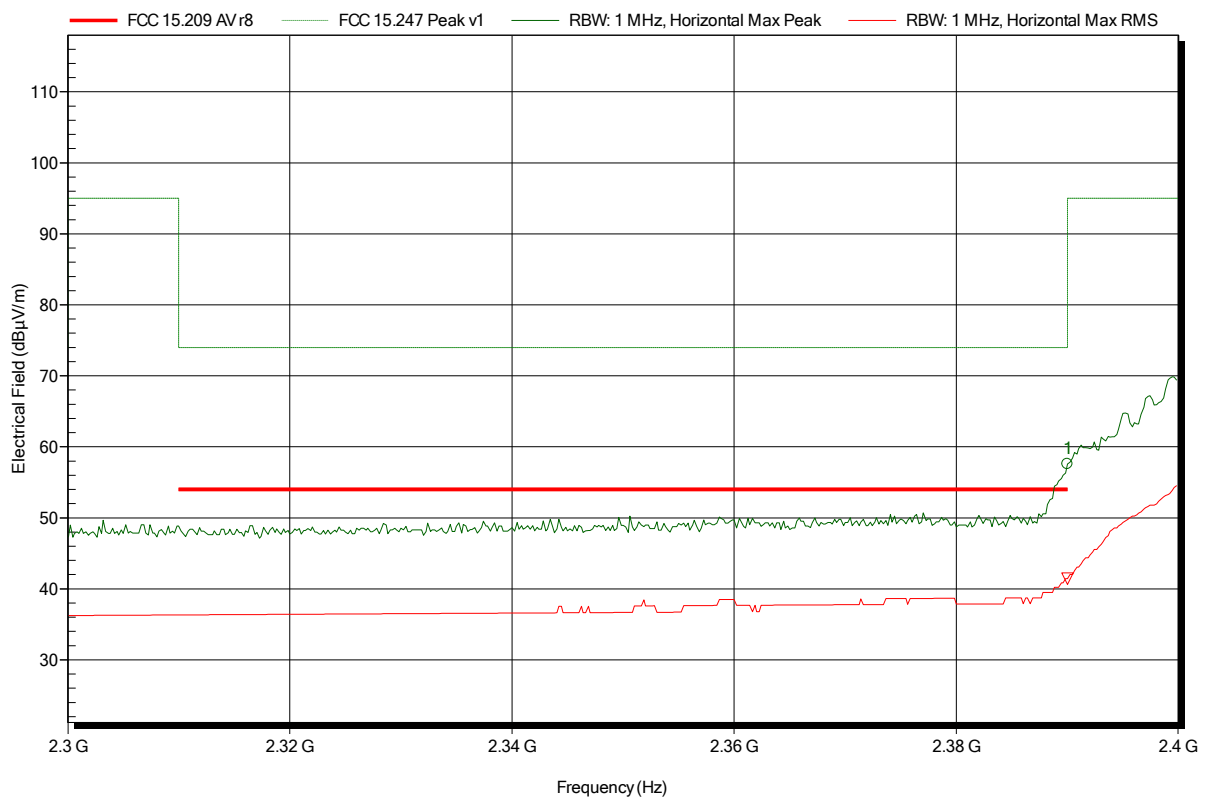


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2412 MHz  
 Test Date: 2015-04-08  
 Note: lower bandedge

Index 69



Frequency 2.39 GHz	Peak 57.58 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -16.42 dB	Peak Status Pass
Frequency 2.39 GHz	RMS 41.45 dBµV/m	RMS Limit 54 dBµV/m	RMS Difference -12.55 dB	RMS Status Pass

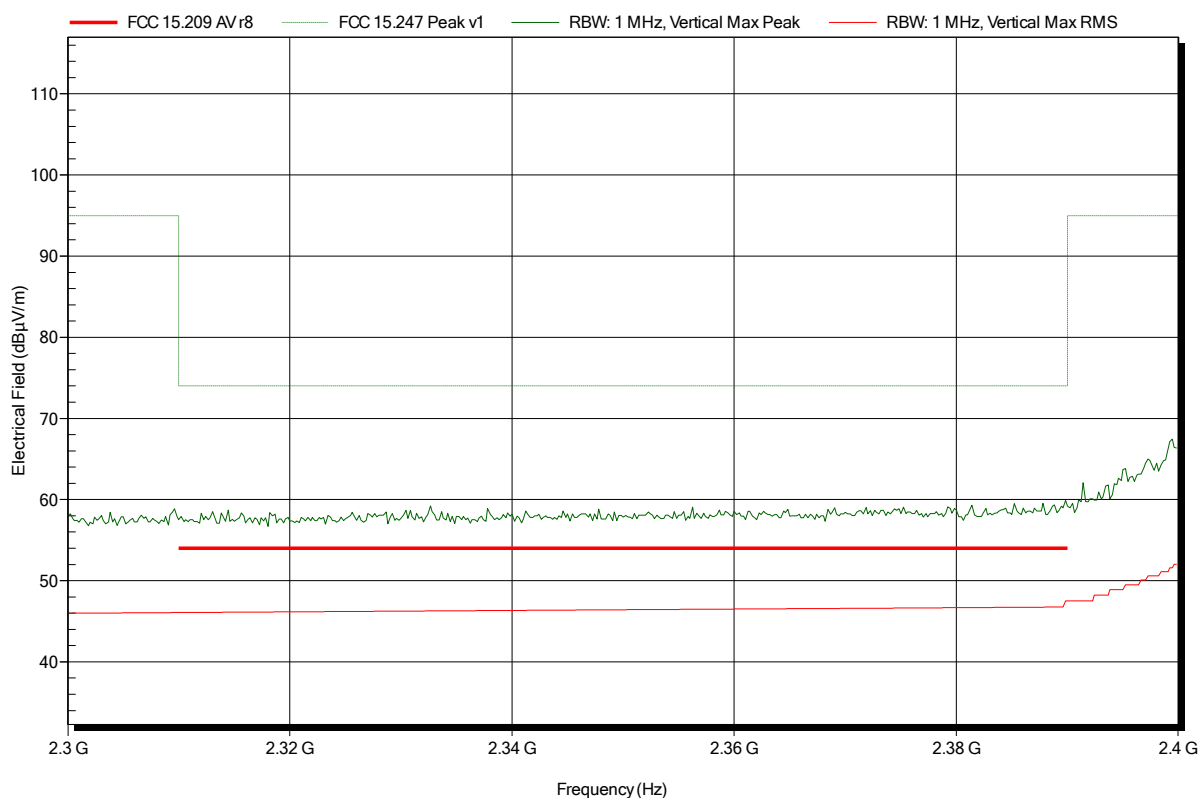


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2412 MHz  
 Test Date: 2015-04-08  
 Note: lower bandedge

Index 71

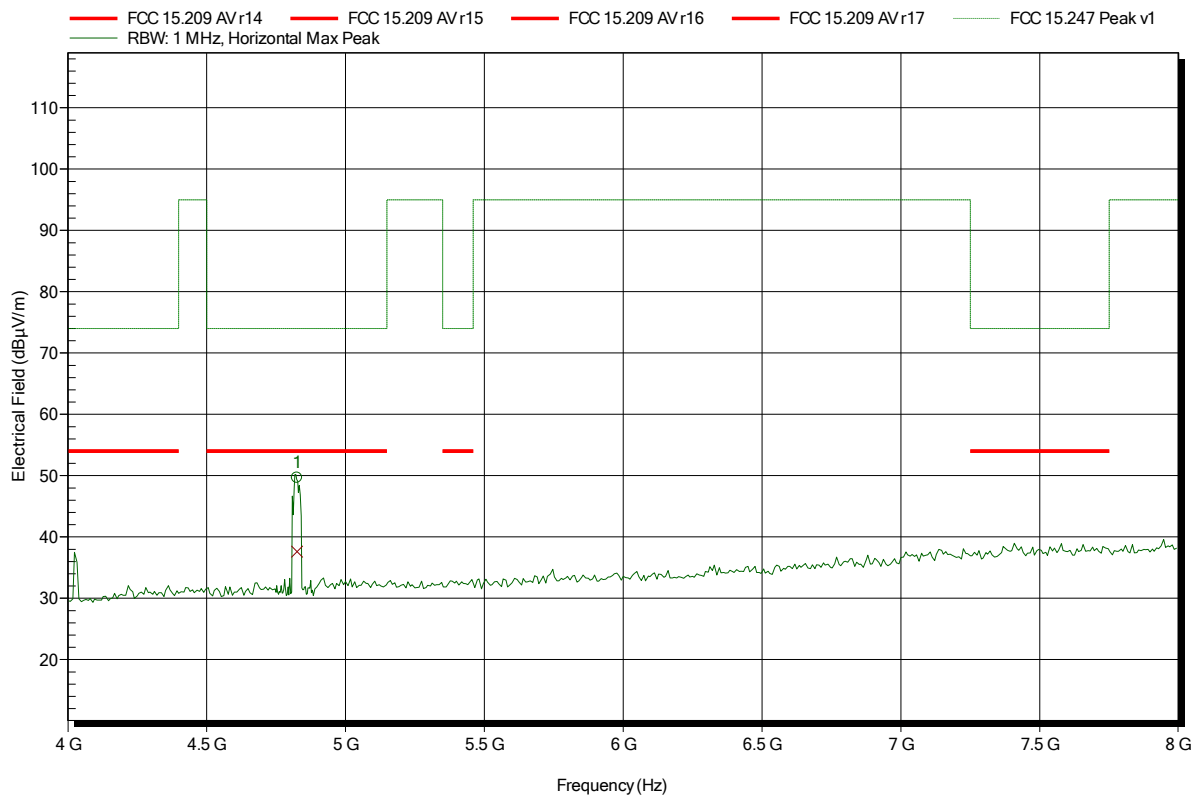


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 70



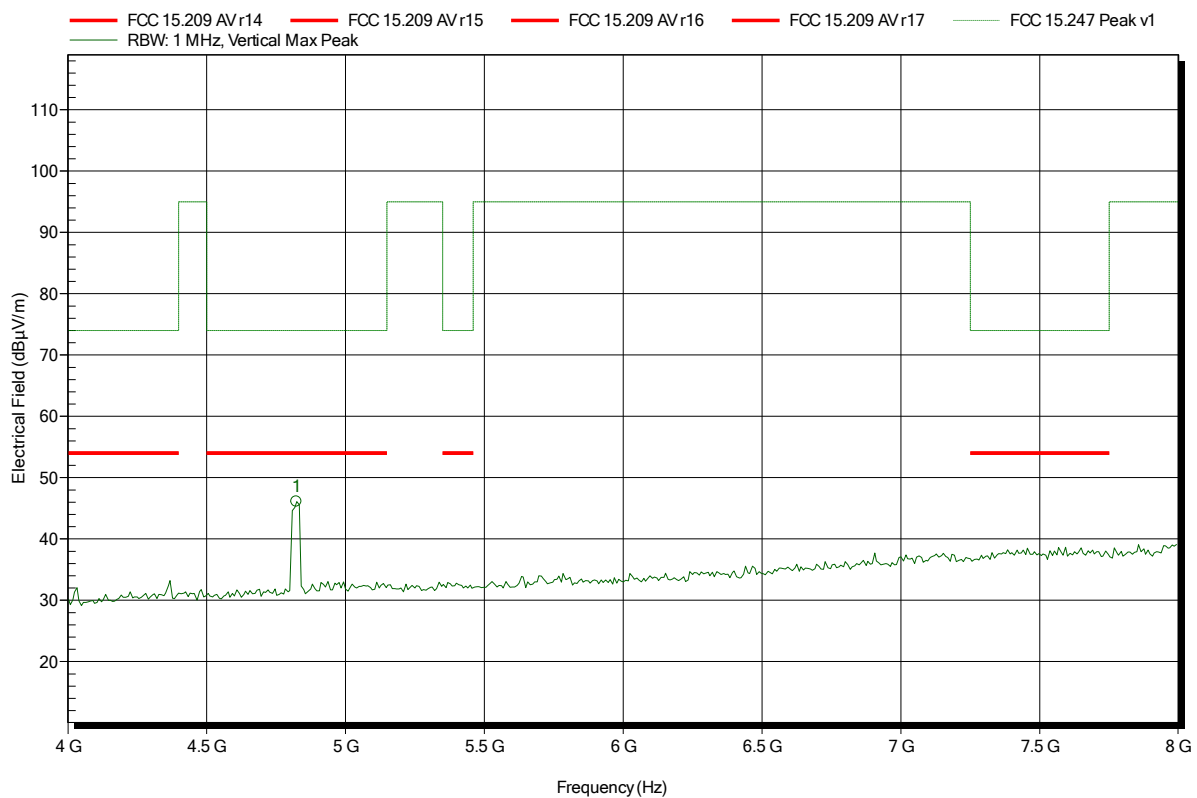
Frequency 4.826 GHz	Peak 49.64 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -24.36 dB	Status Pass
Frequency 4.826 GHz	Average 37.64 dBµV/m	Average Limit 54 dBµV/m	Average Difference -16.36 dB	Average Status Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2412 MHz  
 Test Date: 2015-04-08  
 Note:

Index 72



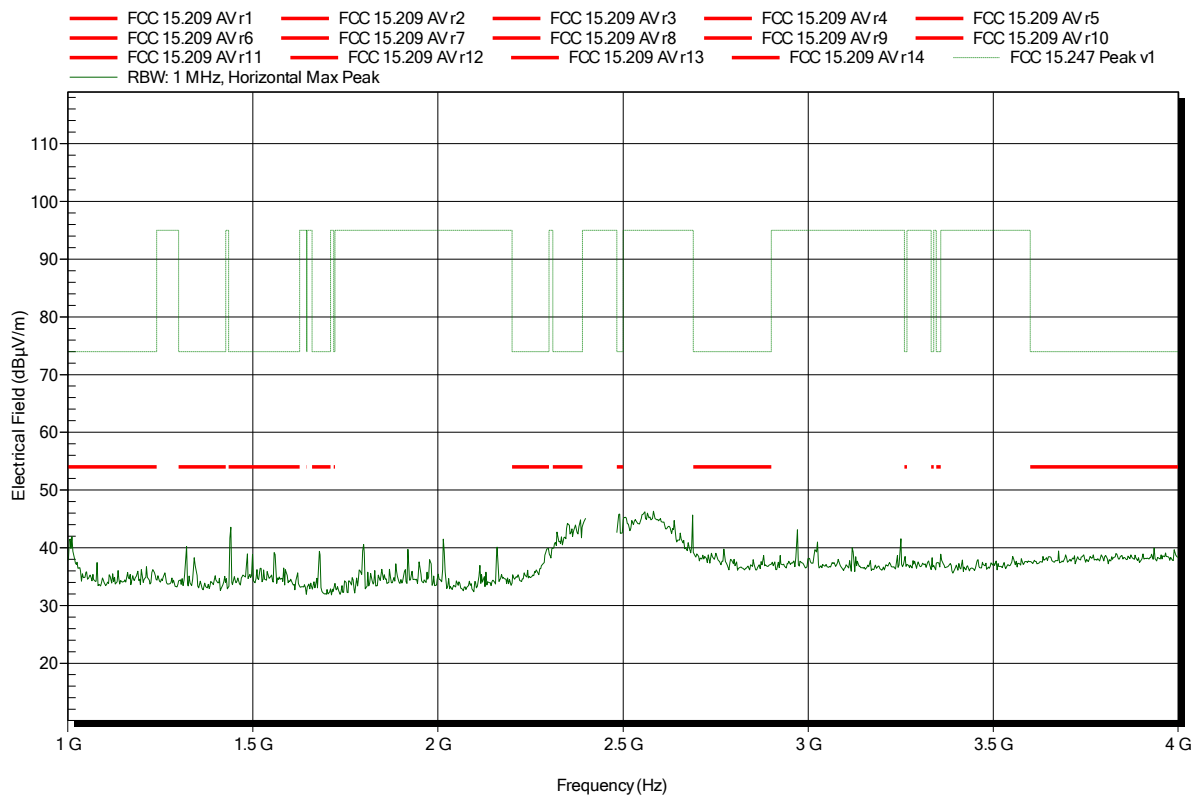
Frequency	Peak	Peak Limit	Peak Difference	Status
4.824 GHz	46.09 dBµV/m	74 dBµV/m	-27.91 dB	Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; HT20; MCS0; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 82

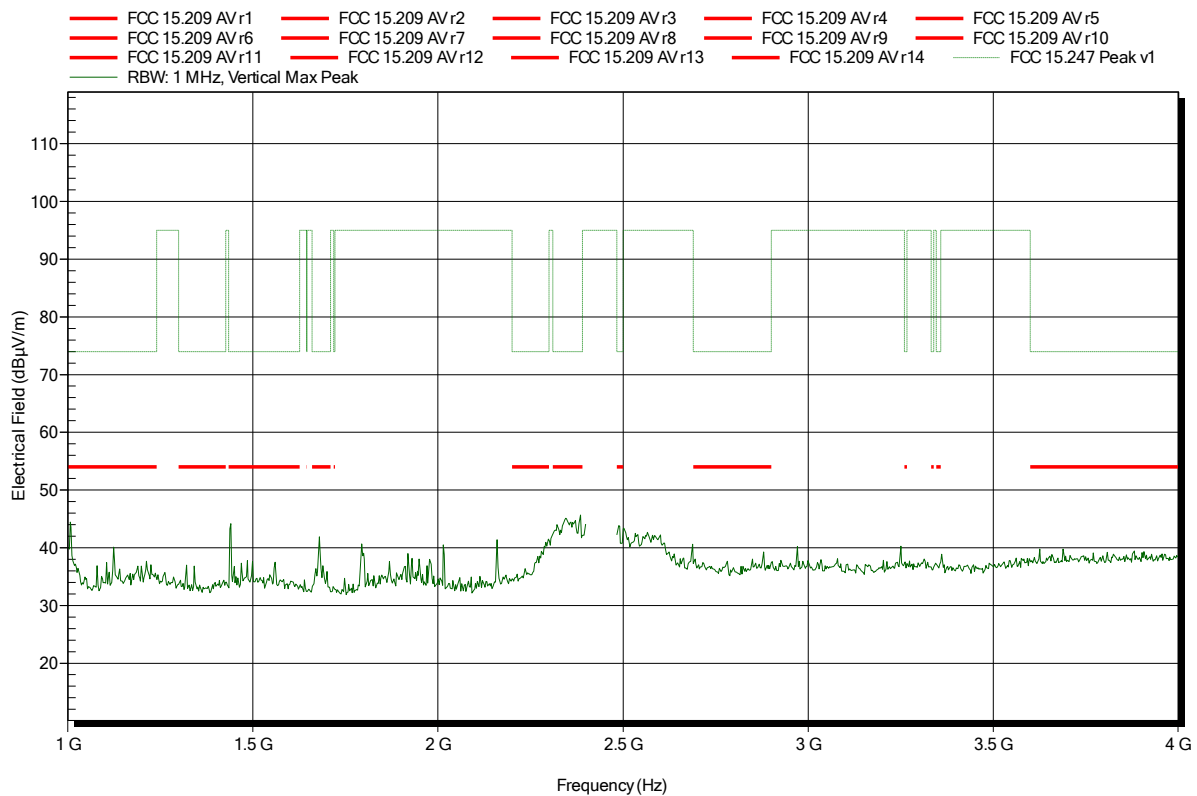


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; HT20; MCS0; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 81

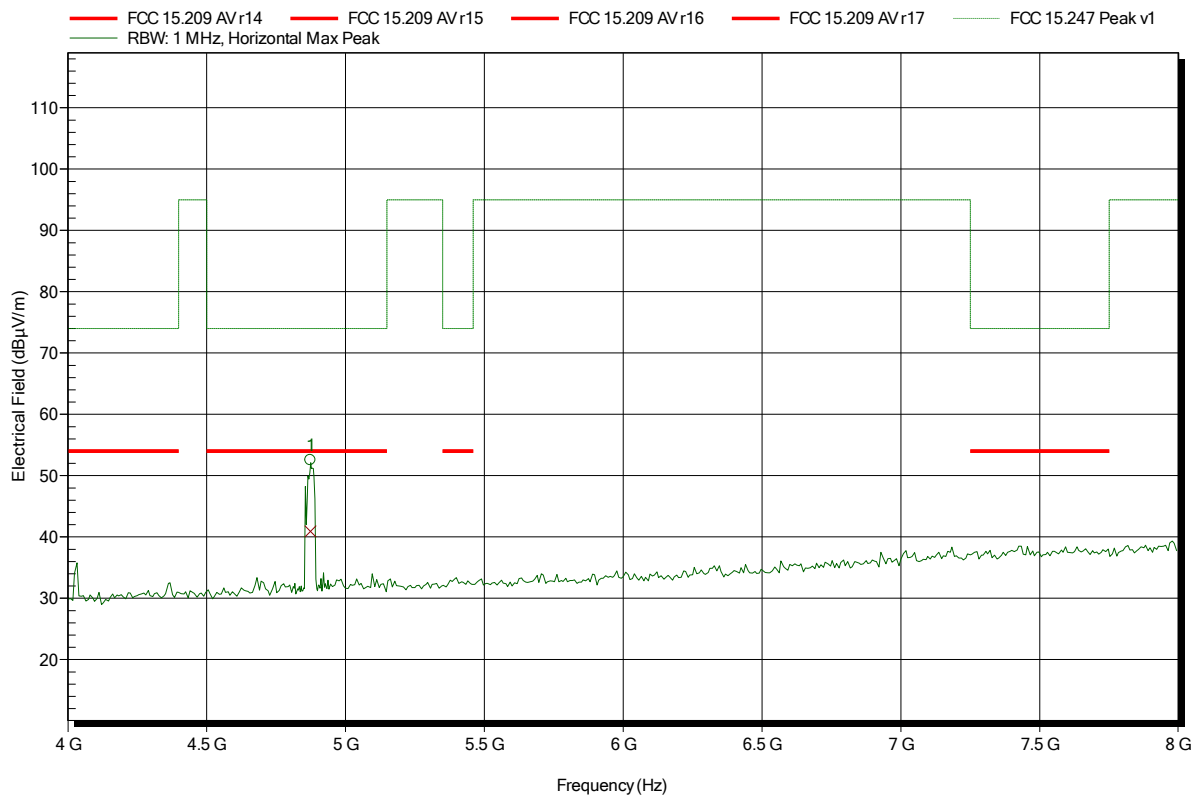


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 73



Test Report No.: G0M-1503-4616-TFC247WF-V01

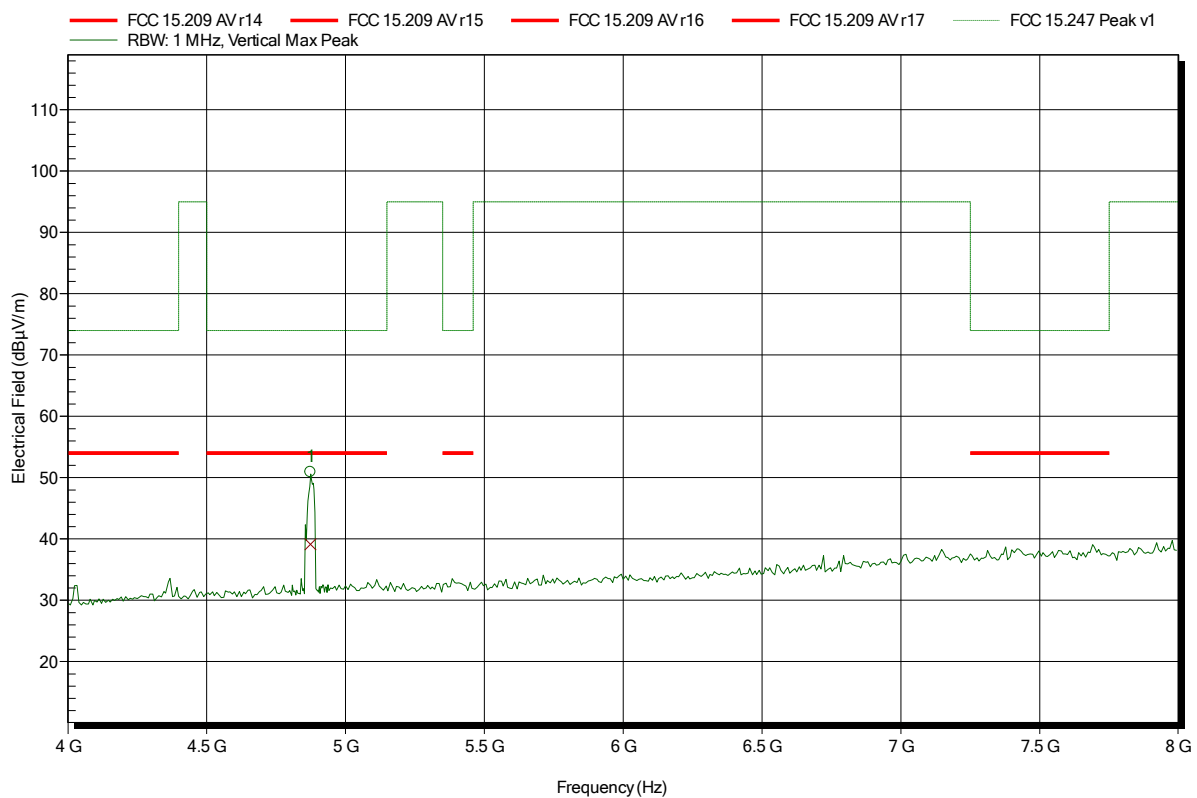
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 74



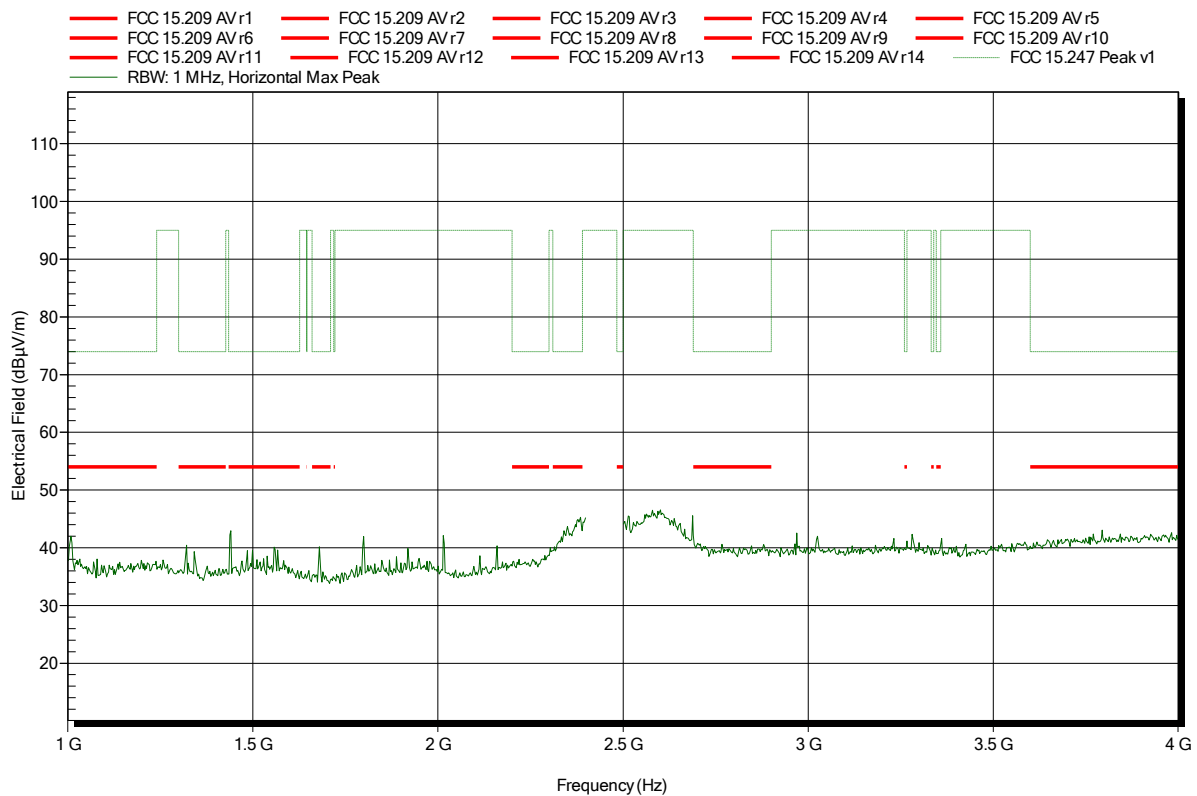
Frequency 4.874 GHz	Peak 50.93 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -23.07 dB	Status Pass
Frequency 4.874 GHz	Average 39.14 dBµV/m	Average Limit 54 dBµV/m	Average Difference -14.86 dB	Average Status Pass

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; HT20; MCS0; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 79



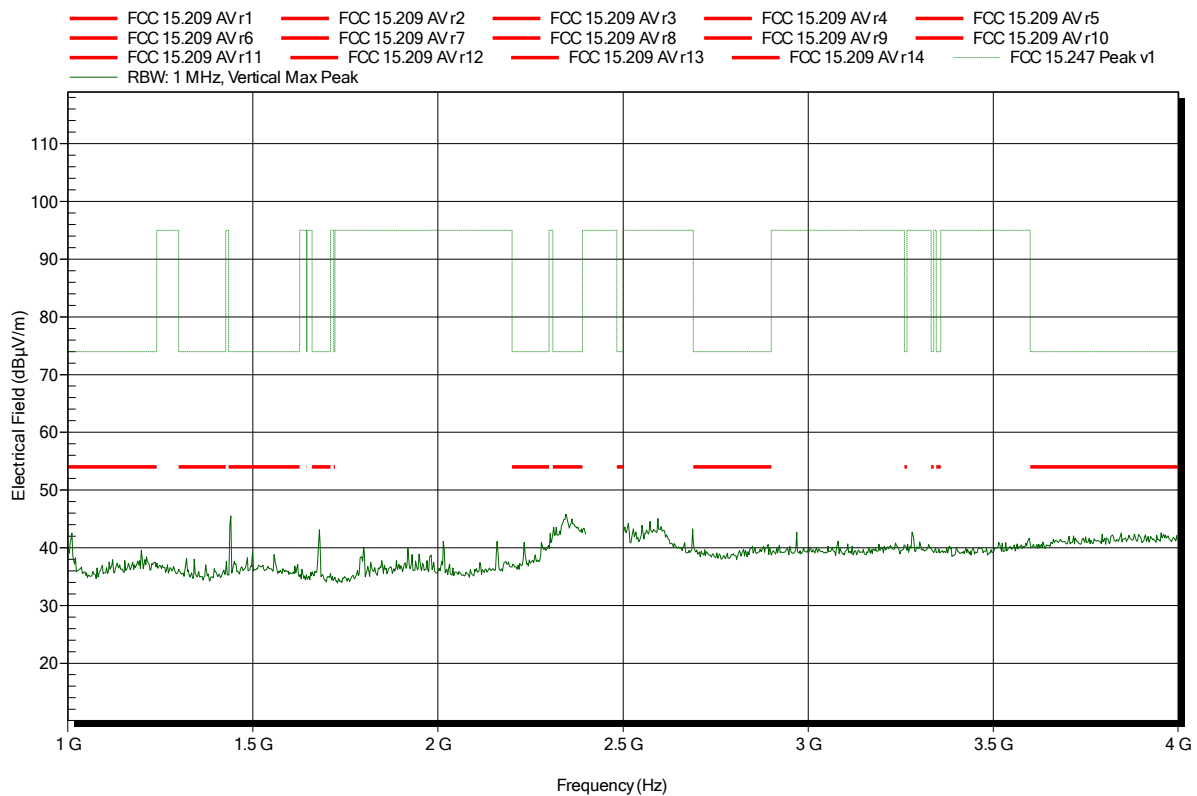


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; HT20; MCS0; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 80

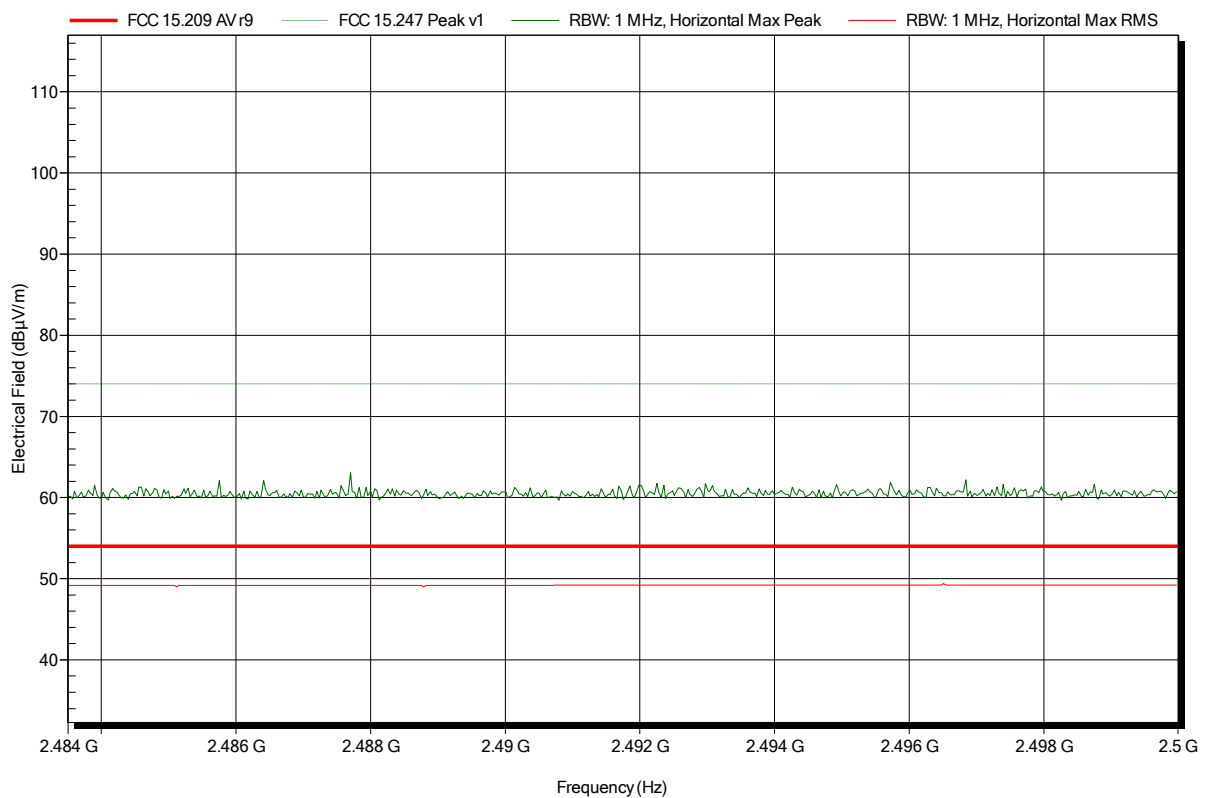


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2462 MHz  
 Test Date: 2015-04-08  
 Note: upper bandedge

Index 75

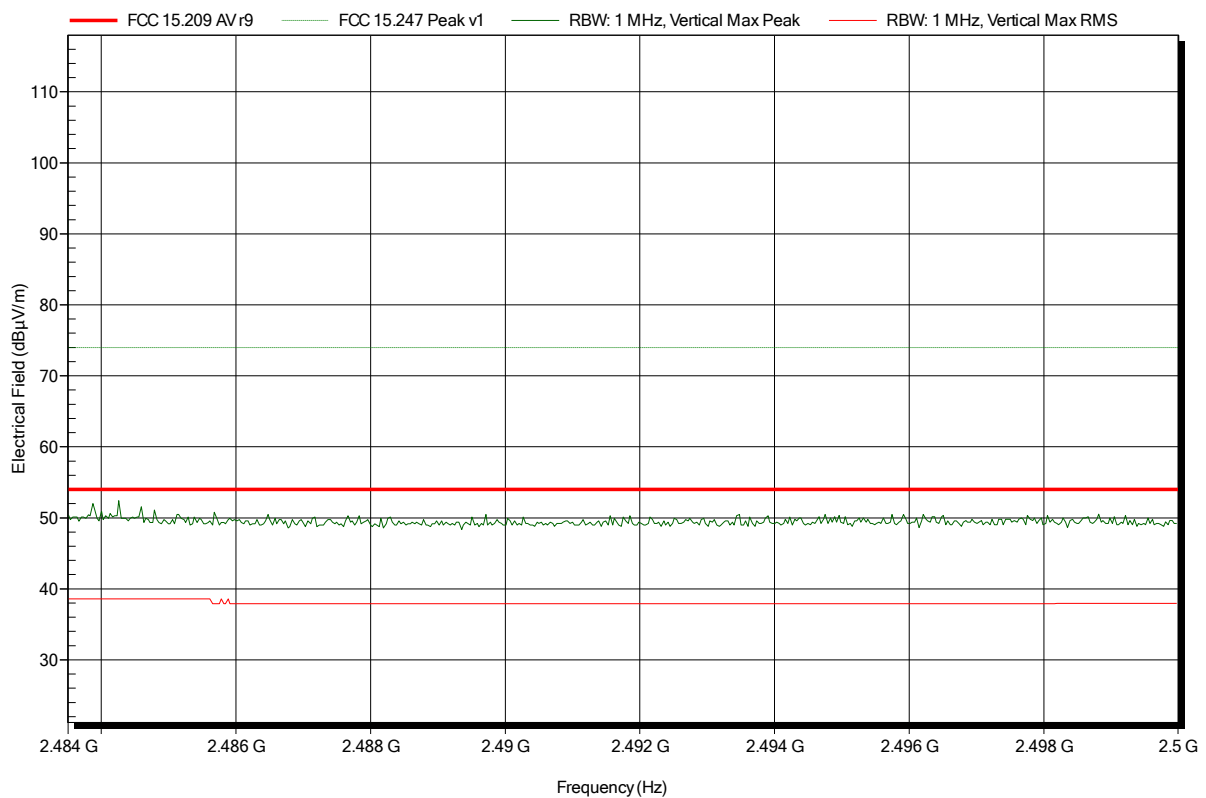


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2462 MHz  
 Test Date: 2015-04-08  
 Note: upper bandedge

Index 77

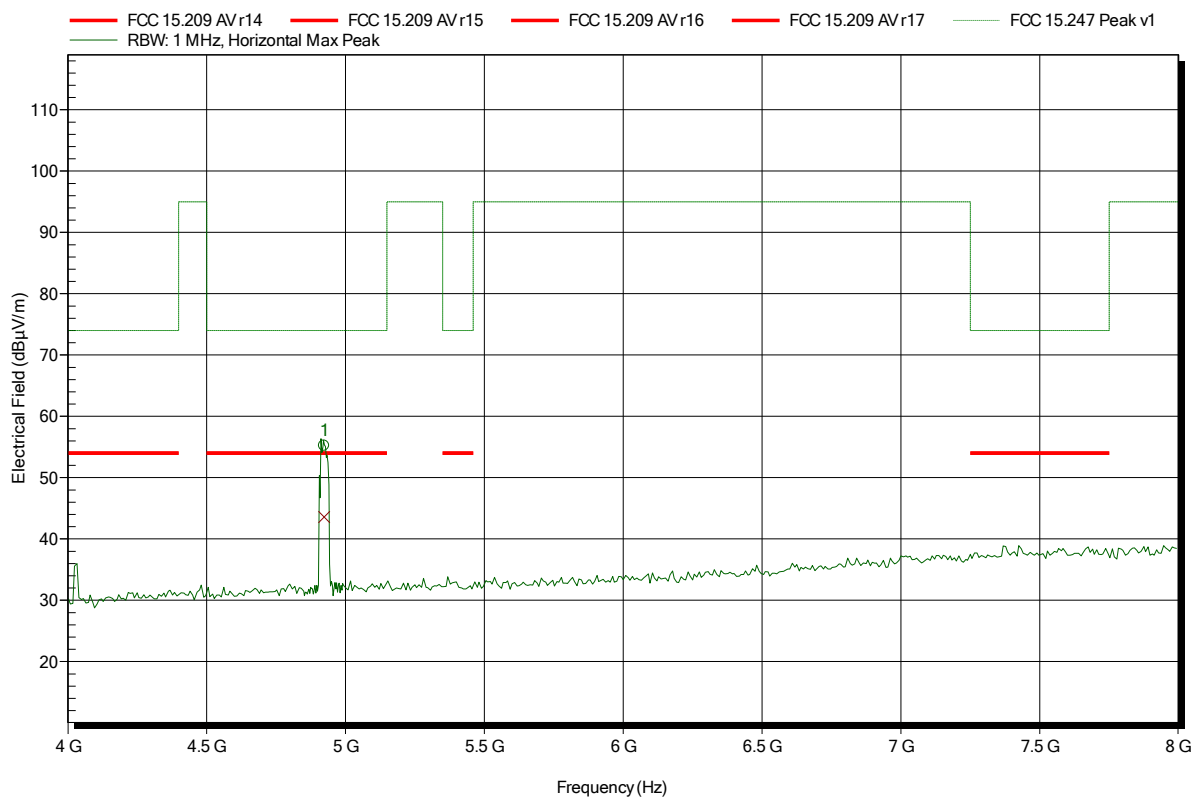


## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 76



Frequency 4.924 GHz	Peak 55.23 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -18.77 dB	Status Pass
Frequency 4.924 GHz	Average 43.6 dBµV/m	Average Limit 54 dBµV/m	Average Difference -10.4 dB	Average Status Pass

Test Report No.: G0M-1503-4616-TFC247WF-V01

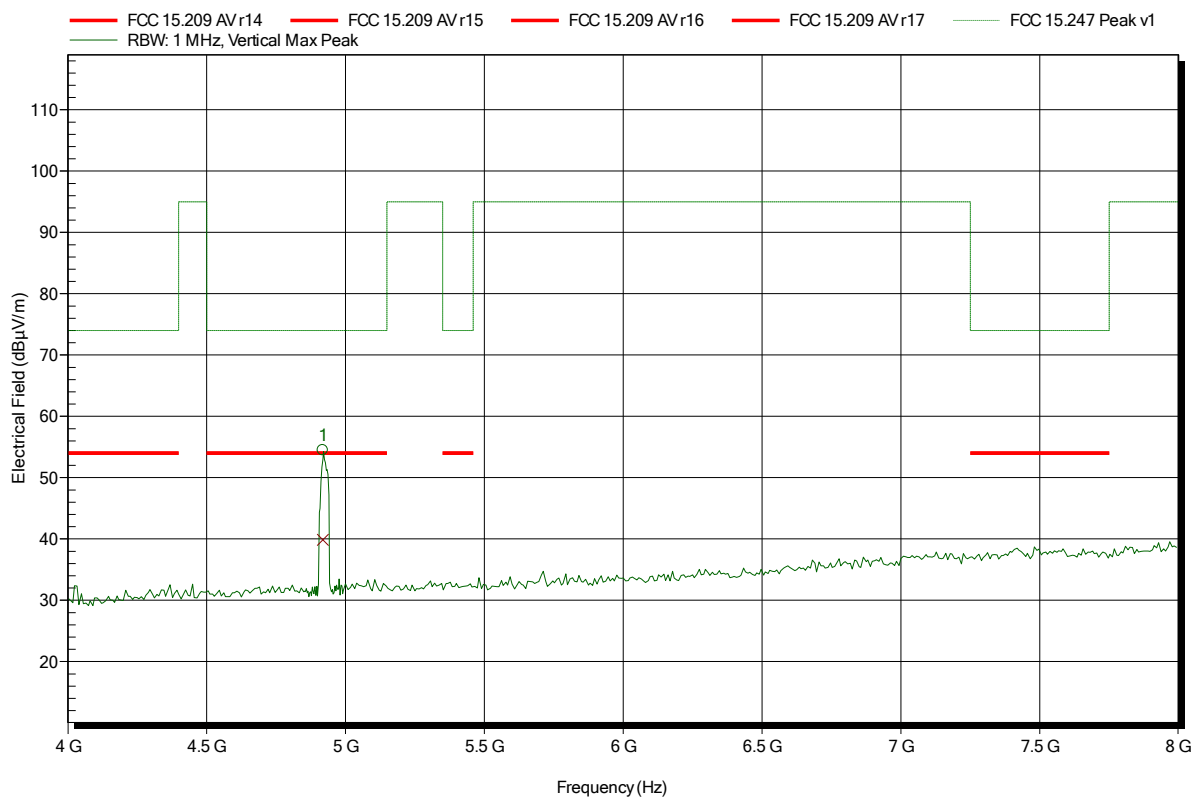
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC 15.247

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; HT20; MCS0; 2462 MHz  
 Test Date: 2015-04-08  
 Note:

Index 78



Frequency 4.92 GHz	Peak 54.45 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -19.55 dB	Status Pass
Frequency 4.92 GHz	Average 39.87 dBµV/m	Average Limit 54 dBµV/m	Average Difference -14.13 dB	Average Status Pass

Test Report No.: G0M-1503-4616-TFC247WF-V01

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

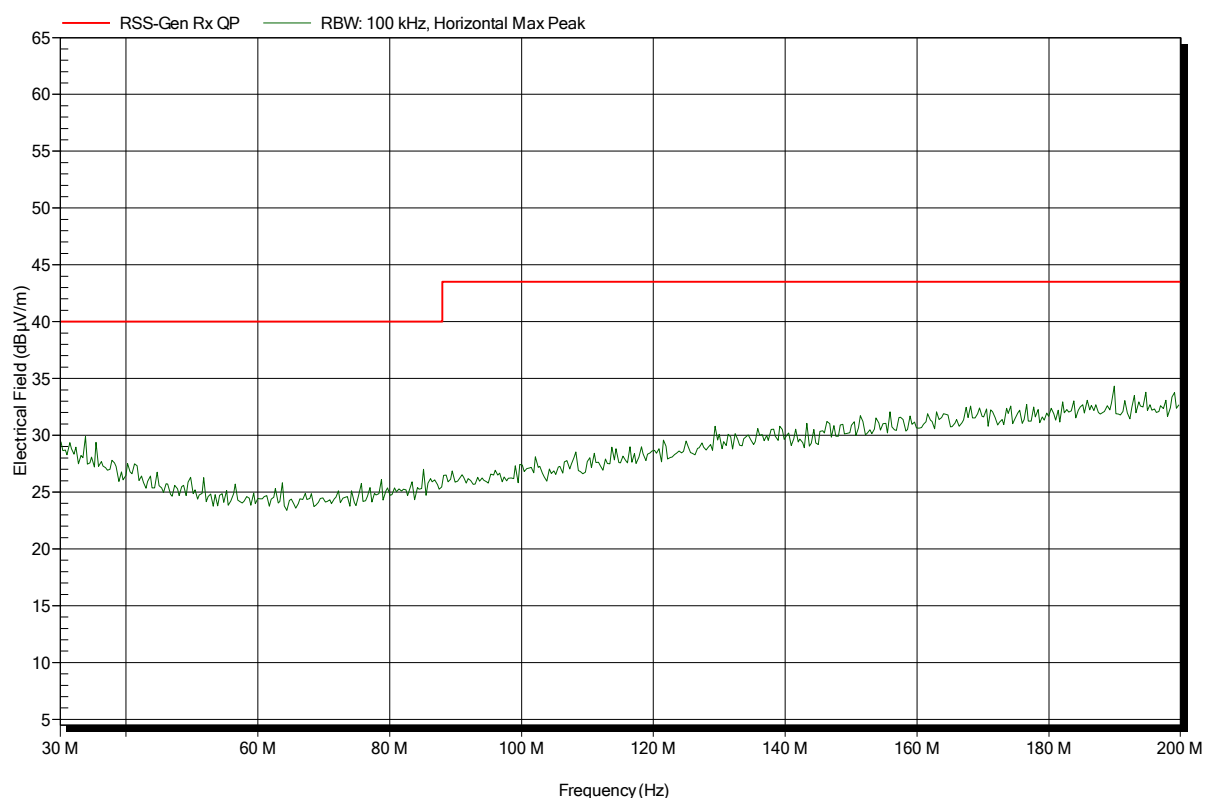
## ANNEX B Receiver radiated spurious emissions

### Spurious emissions according to RSS-GEN

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 95

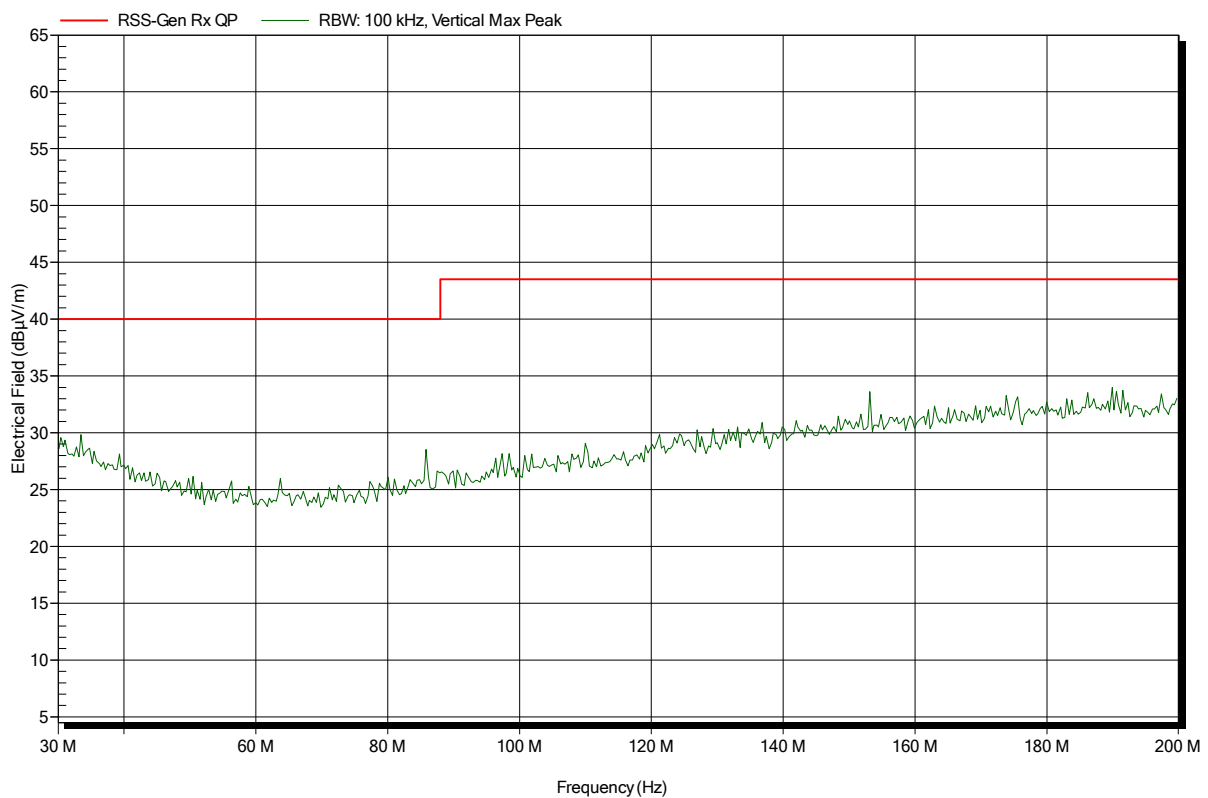


## Spurious emissions according to RSS-GEN

Project number: G0M-1503-4616

Applicant:	Leica Microsystems (Schweiz) AG
EUT Name:	HD stereo microscope mit WLAN-Modul
Model:	Leica EZ4 W
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Treffke
Test Conditions:	Tnom: 25°C, Vnom: 120 VAC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	RX; 2437 MHz
Test Date:	2015-04-08
Note:	

Index 96

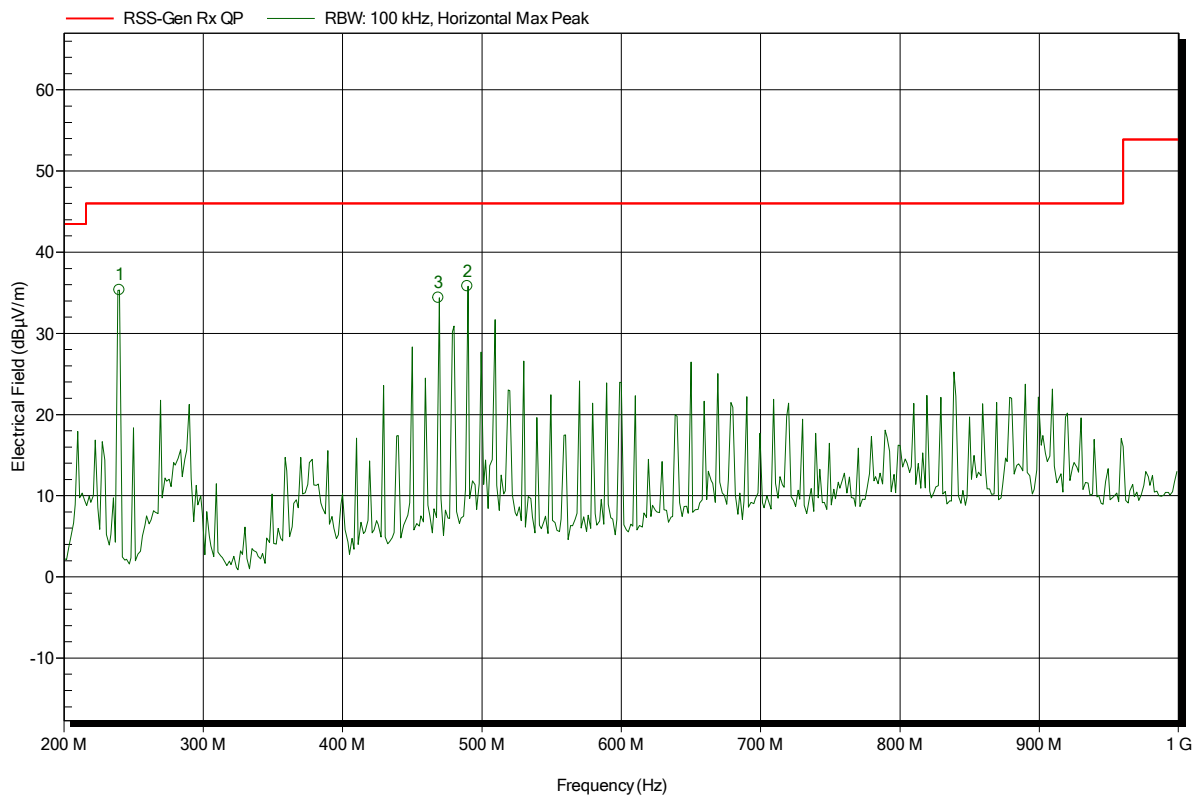


## Spurious emissions according to RSS-GEN

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 93



Frequency	Peak	Peak Limit	Peak Difference	Status
240 MHz	35.34 dBµV/m	46 dBµV/m	-10.66 dB	Pass
468.8 MHz	34.37 dBµV/m	46 dBµV/m	-11.63 dB	Pass
489.6 MHz	35.8 dBµV/m	46 dBµV/m	-10.2 dB	Pass

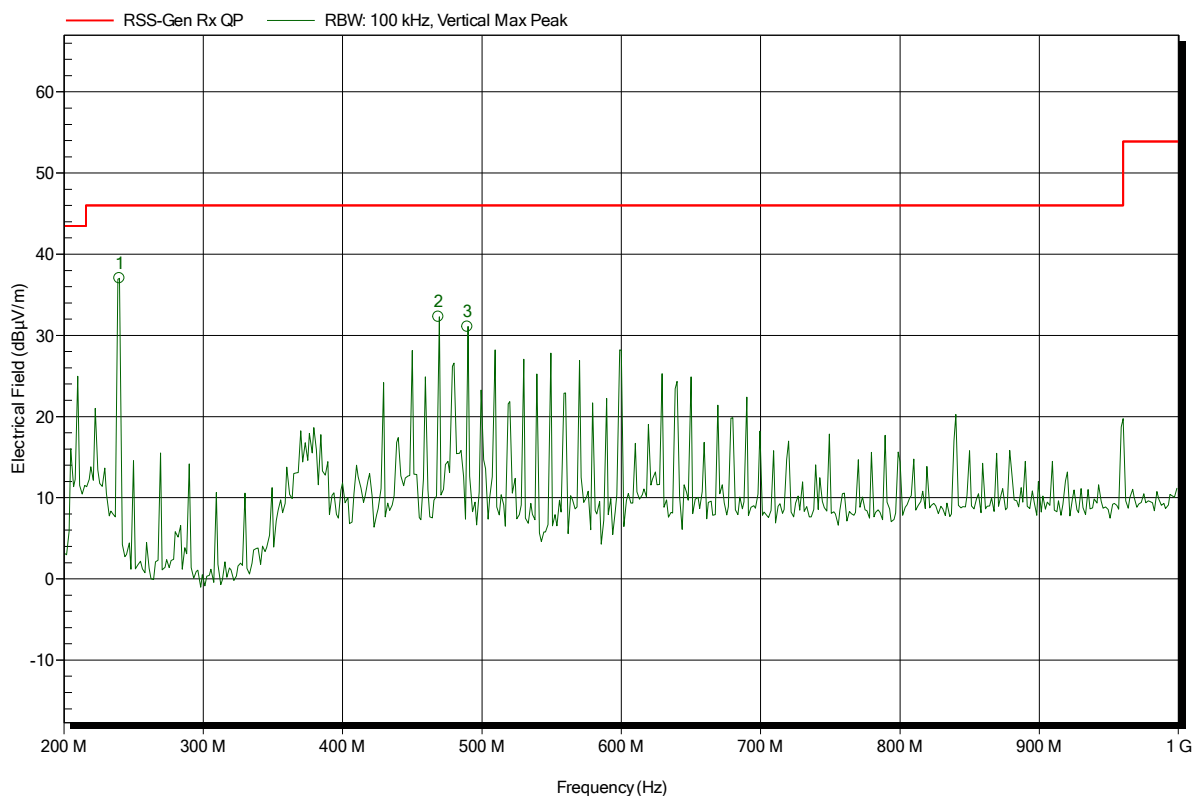


## Spurious emissions according to RSS-GEN

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: RX; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 94



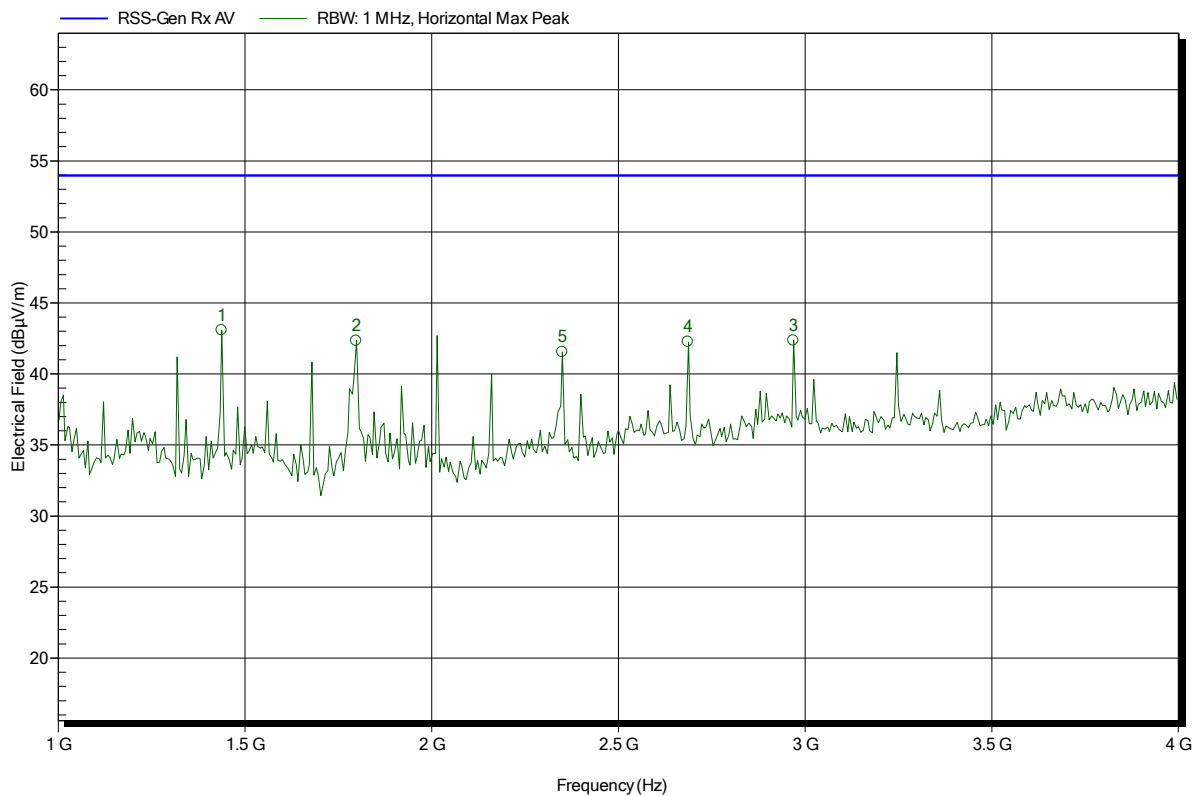
Frequency	Peak	Peak Limit	Peak Difference	Status
240 MHz	37.05 dBµV/m	46 dBµV/m	-8.95 dB	Pass
468.8 MHz	32.27 dBµV/m	46 dBµV/m	-13.73 dB	Pass
489.6 MHz	31.08 dBµV/m	46 dBµV/m	-14.92 dB	Pass

## Spurious emissions according to RSS-GEN

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
EUT Name: HD stereo microscope mit WLAN-Modul  
Model: Leica EZ4 W  
Test Site: Eurofins Product Service GmbH  
Operator: Mr. Treffke  
Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
Antenna: Schwarzbeck BBHA 9120D, Horizontal  
Measurement distance: 3 m  
Mode: RX; 2437 MHz  
Test Date: 2015-04-08  
Note:

Index 89



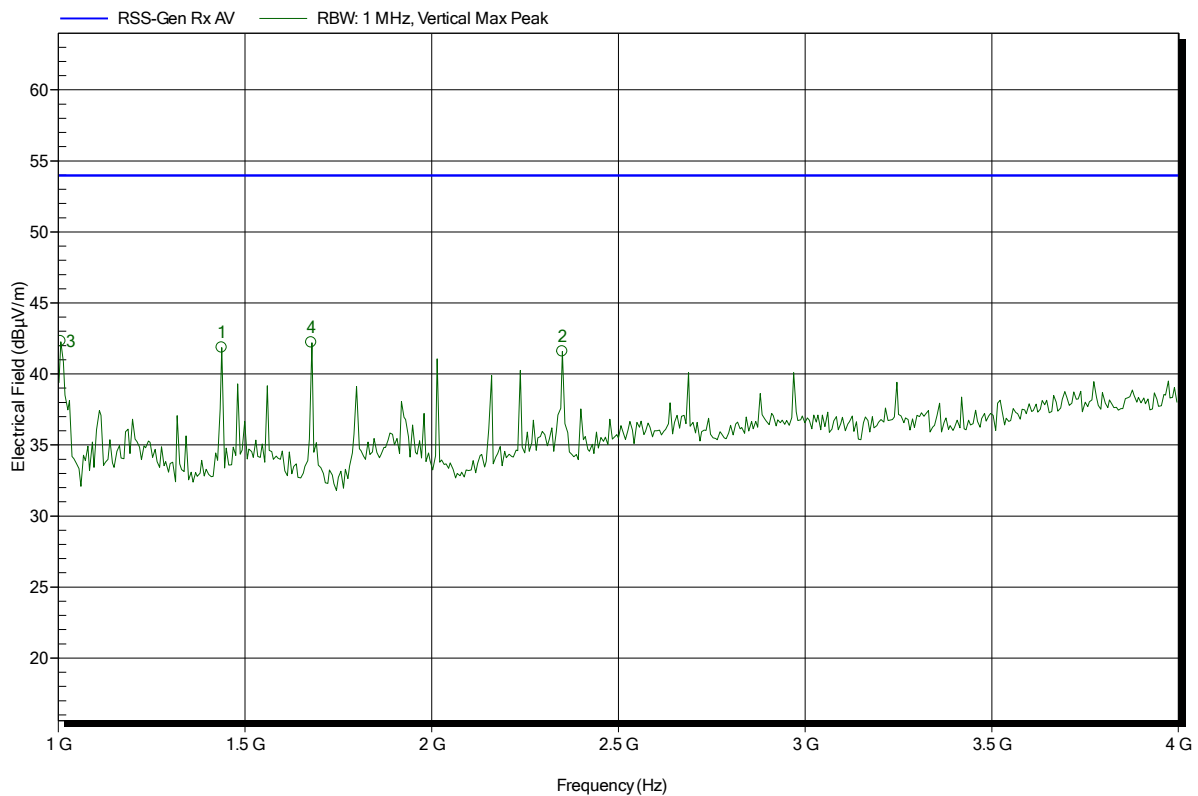
Frequency	Peak	Peak Limit	Peak Difference	Status
1.438 GHz	43.08 dBµV/m	53.98 dBµV/m	-10.9 dB	Pass
1.798 GHz	42.33 dBµV/m	53.98 dBµV/m	-11.65 dB	Pass
2.35 GHz	41.54 dBµV/m	53.98 dBµV/m	-12.44 dB	Pass
2.686 GHz	42.26 dBµV/m	53.98 dBµV/m	-11.72 dB	Pass
2.968 GHz	42.37 dBµV/m	53.98 dBµV/m	-11.61 dB	Pass

## Spurious emissions according to RSS-GEN

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: RX; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 91



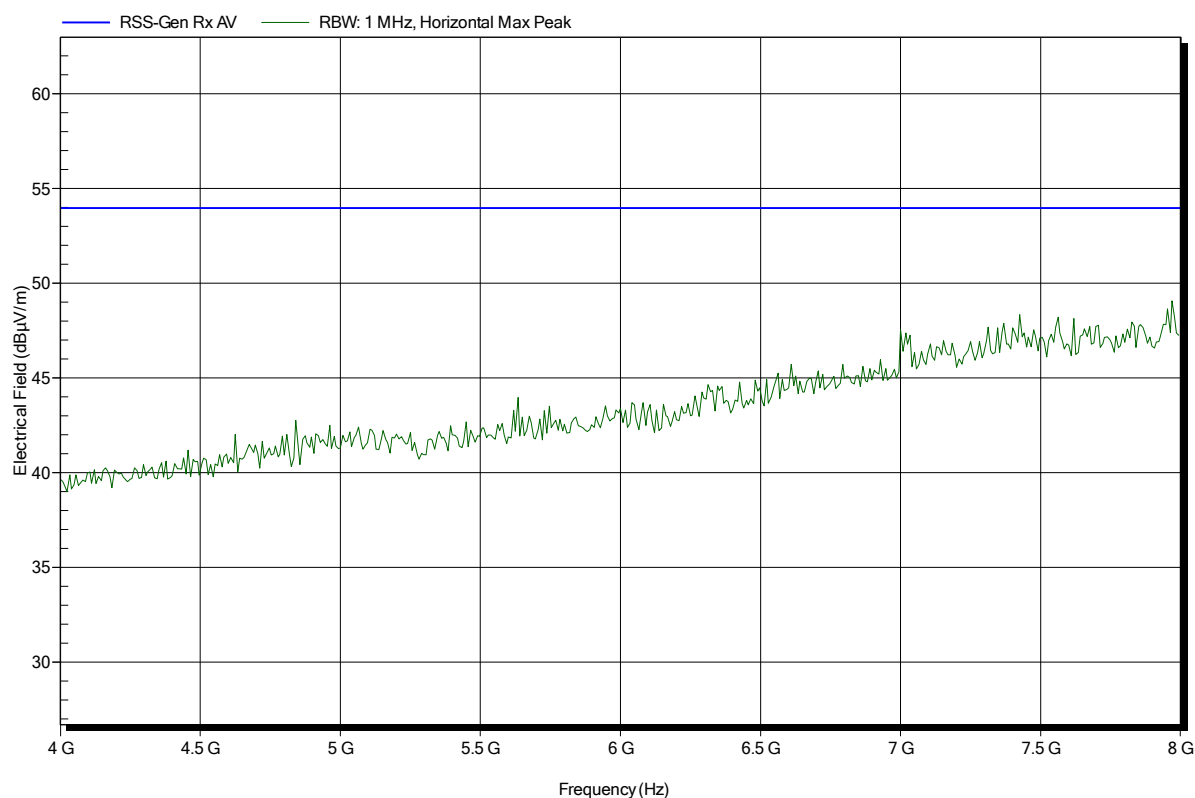
Frequency	Peak	Peak Limit	Peak Difference	Status
1.006 GHz	42.3 dBµV/m	53.98 dBµV/m	-11.68 dB	Pass
1.438 GHz	41.86 dBµV/m	53.98 dBµV/m	-12.12 dB	Pass
1.678 GHz	42.22 dBµV/m	53.98 dBµV/m	-11.76 dB	Pass
2.35 GHz	41.58 dBµV/m	53.98 dBµV/m	-12.4 dB	Pass

## Spurious emissions according to RSS-GEN

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 90



## Spurious emissions according to RSS-GEN

Project number: G0M-1503-4616

Applicant: Leica Microsystems (Schweiz) AG  
 EUT Name: HD stereo microscope mit WLAN-Modul  
 Model: Leica EZ4 W  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Treffke  
 Test Conditions: Tnom: 25°C, Vnom: 120 VAC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: RX; 2437 MHz  
 Test Date: 2015-04-08  
 Note:

Index 92

