




RADIO REPORT FCC 47 CFR Part 15C ISED Canada RSS-247 Digital transmission systems operating within the 2400.0 MHz - 2483.5 MHz band	
Report Reference No	G0M-2302-1881-TFC247WF-W260-V03
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	 <p>DAkkS - Registration number : D-PL-12092-01-03 (ISED) ISED Testing Laboratory site: 3470A DAkkS - Registration number : D-PL-12092-01-04 (FCC) FCC Filed Test Laboratory, Reg.-No.: 96970</p>
Applicant	u-blox AG
Address	Zürcherstrasse 68 8800 Thalwil Switzerland
Test Specification	47 CFR Part 15C RSS-247, Issue 2, 2017-02 RSS-Gen, Issue 5, Amendment 2, 2021-02
Non-Standard Test Method	None
Equipment under Test (EUT):	
Product Description	MAYA-W2 host-based multiradio modules
Model(s)	MAYA-W260-00B
Additional Model(s)	None
Brand Name(s)	u-blox
Hardware Version(s)	03
Software Version(s)	1.0.0.39.1-18.80.1.p154.38
FCC ID	XPYMAYAW2A
IC	8595A-MAYAW2A
Test Result	PASSED

Possible test case verdicts:		
Required by standard but not tested	N/T	
Not required by standard	N/R	
Not applicable to EUT	N/A	
Test object does meet the requirement	P(PASS)	
Test object does not meet the requirement	F(FAIL)	
Testing:		
Test Lab Temperature	20 °C - 30 °C	
Test Lab Humidity	25 % - 55 %	
Date of receipt of test item	2023-03-02	
Report:		
Compiled by	Radwan Jaafar	
Responsible for test (+ signature) (Responsible for Test)	Radwan Jaafar	
Approved by (+ signature) (Test Lab Engineer)	Wilfried Treffke	
Date of Issue	2024-01-10	
Total number of pages	88	
General Remarks:		
<p>The test results presented in this report relate only to the object tested.</p> <p>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.</p> <p>This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.</p>		
Additional Comments:		
<p>This test report presents results of a spot-check measurements based on worst-case results reported in the reference device MAYA-W271-00B, with hardware version 02 and software version 1.0.0.39.1-18.80.1.p154.38 according KDB 484596 D01 for an additional variant. The full test data of the reference model is presented in the test report G0M-2302-1881-TFC247WF-W271-V03, issued by Eurofins Product Service GmbH on 2023-12-08.</p>		

VERSION HISTORY

Version History			
Version	Issue Date	Remarks	Revised By
01	2023-11-22	Initial Release	
02	2023-11-29	Replaced document: G0M-2302-1881-TFC247WF-W260-V01 Replaced by: G0M-2302-1881-TFC247WF-W260-V02 Reason: Correction of the model name and FVIN of the EUT.	R. Jaafar
03	2024-01-10	Replaced document: G0M-2302-1881-TFC247WF-W260-V02 Replaced by: G0M-2302-1881-TFC247WF-W260-V03 Reason: - Correction of the module name in the plots.	R. Jaafar

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
BPSK	Binary Phase Shift Keying
DSSS	Direct Sequence Spread Spectrum
EUT	Equipment Under Test
FCC	Federal Communications Commission
HT	High Throughput
IEEE 802.11	MAC and PHY Layer for WiFi
ISED	Innovation, Science and Economic Development Canada
OFDM	Orthogonal Frequency Division Multiplexing
QAM	Quadrature Amplitude Modulation
QPSK	Quadrature Phase Shift Keying
RBW	Resolution bandwidth
RMS	Root mean square
VBW	Video bandwidth
V _{NOM}	Nominal supply voltage

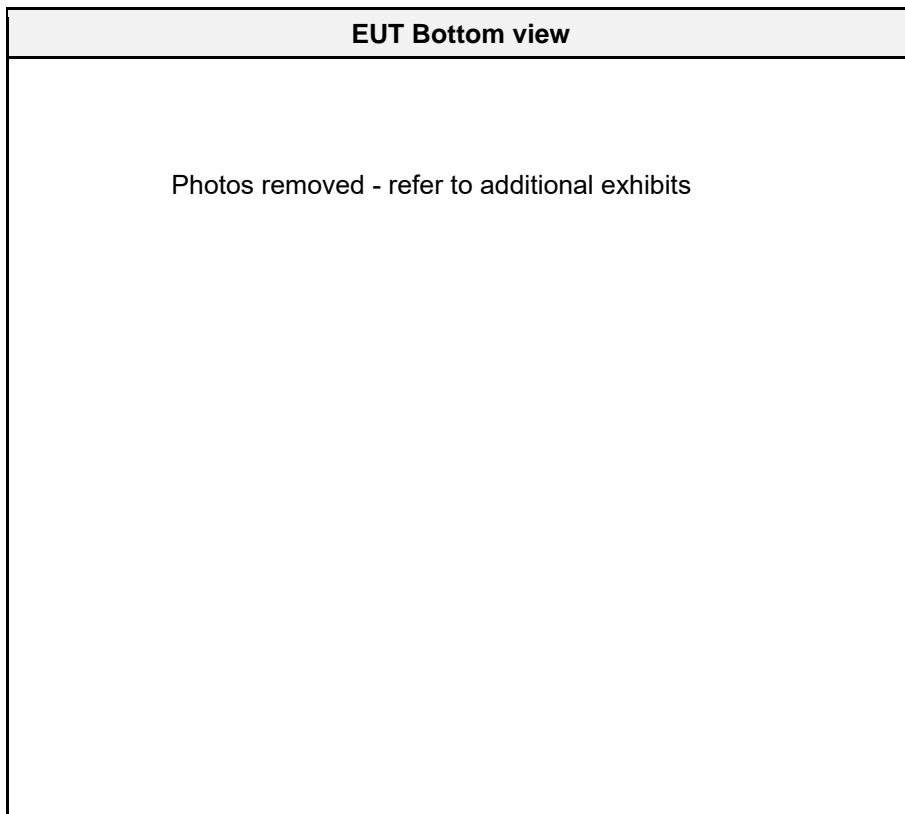
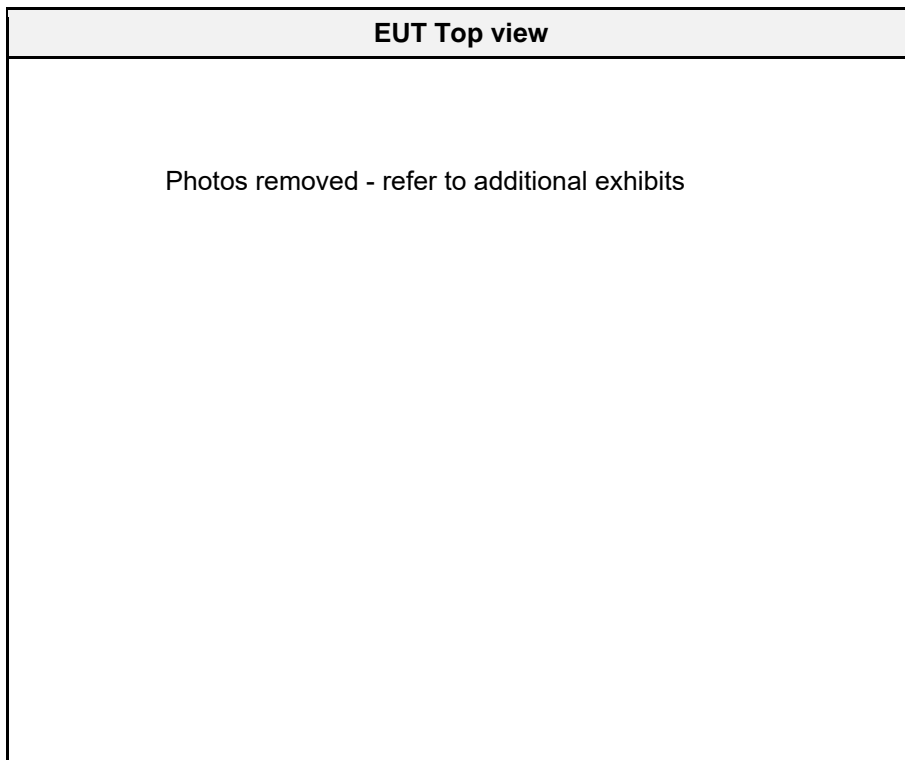
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1 Equipment (Test Item) Under Test

Description	MAYA-W2 host-based multiradio modules		
Model	MAYA-W260-00B		
Additional Model(s)	None		
Brand Name(s)	u-blox		
Sample Identification	EUT	Sample-ID	Serial Number
	Radiated with external antenna	45124	AM320BA364836E40600
Hardware Version(s)	03		
Software Version(s)	1.0.0.39.1-18.80.1.p154.38		
PMN	MAYA-W260-00B		
HVIN	MAYA-W260-00B		
FVIN	N/A		
HMN	N/A		
FCC ID	XPYMAYAW2A		
IC	8595A-MAYAW2A		
Equipment type	Radio Module		
Radio type	Transceiver		
Assigned frequency bands	2400.0 MHz - 2483.5 MHz		
Radio technology	IEEE 802.11 b/g/n (HT20 + HT40)		
Modulation	BPSK, QPSK, 16-QAM, 64-QAM		
Number of antenna ports	2		
Antenna	Type	External	
	Model	ANT-DB1-RAF-SMA	
	Manufacturer	Linx Technologies	
	Gain	4.1 dBi (customer declaration)	
Supply Voltage (1 st Port)	V _{NOM}	3.3 VDC	
Supply Voltage (2 nd Port)	V _{NOM}	1.8 VDC	
Operating Temperature	T _{NOM}	20 °C	
AC/DC-Adaptor	Model	None	
Manufacturer	u-blox AG Zürcherstrasse 68 8800 Thalwil Switzerland		

1.1 Photos – Equipment External



EUT Front overview with external antennas

Photos removed - refer to additional exhibits

EUT Back overview with external antennas

Photos removed - refer to additional exhibits

External antenna

Photos removed - refer to additional exhibits

External antenna cable

Photos removed - refer to additional exhibits

Evaluation board top view

Photos removed - refer to additional exhibits

Evaluation board bottom view

Photos removed - refer to additional exhibits

Evaluation board side view

Photos removed - refer to additional exhibits

SPI Cable

Photos removed - refer to additional exhibits

Data cable

Photos removed - refer to additional exhibits

USB C cable

Photos removed - refer to additional exhibits

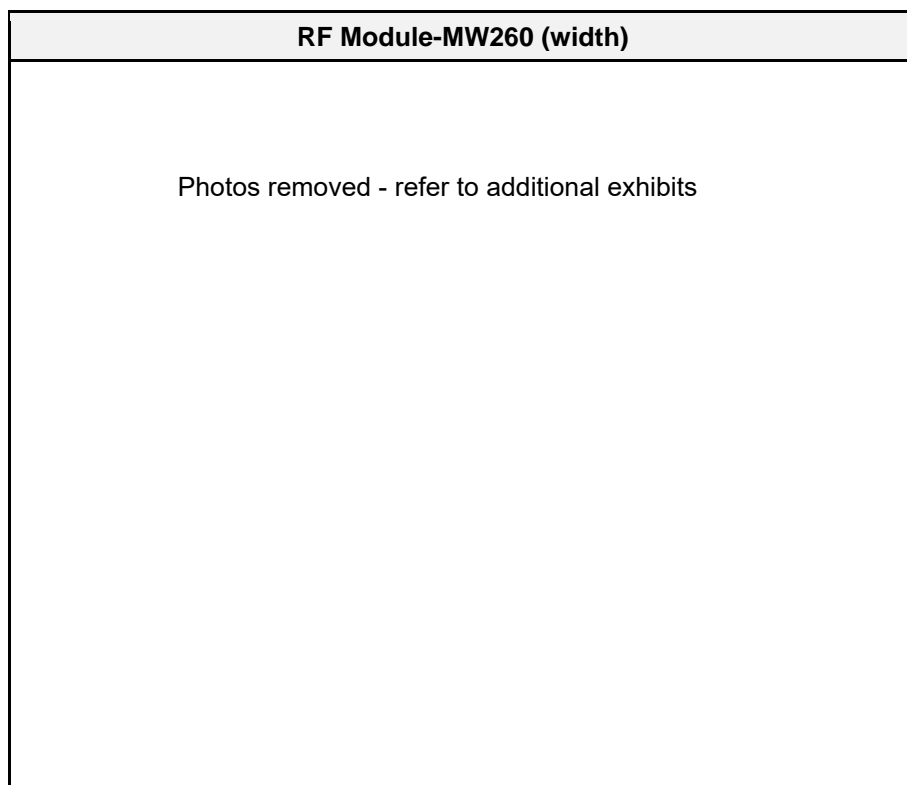
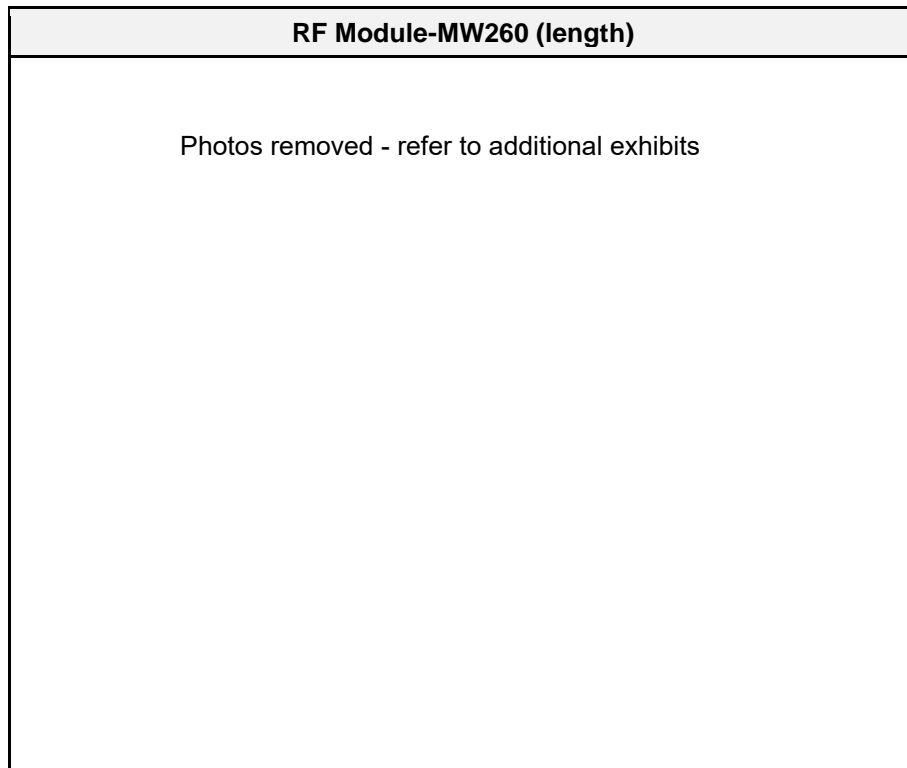
Power adapter

Photos removed - refer to additional exhibits

Cable to connect EUT to external power supply

Photos removed - refer to additional exhibits

1.2 Photos – Equipment Internal



RF Module-MW260 unshielded (length)

Photos removed - refer to additional exhibits

RF Module-MW260 unshielded (width)

Photos removed - refer to additional exhibits

1.3 Support Equipment

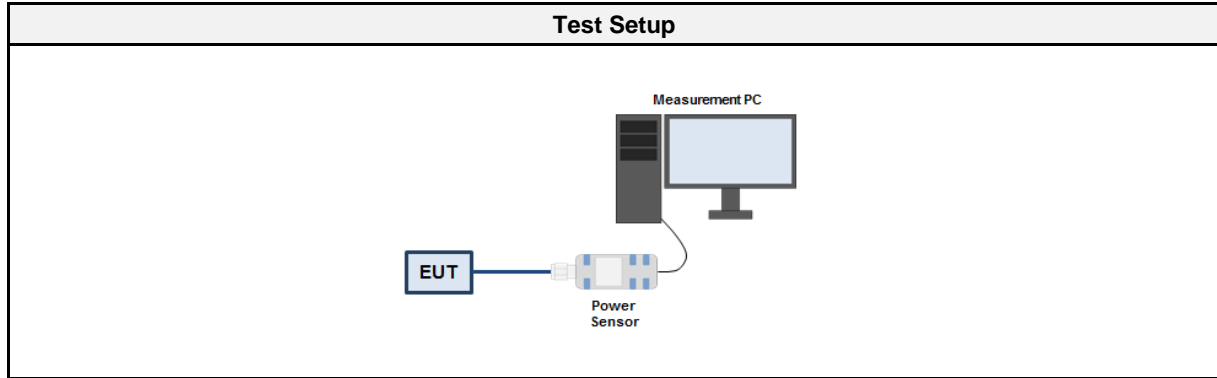
Product Type	Device	Manufacturer	Model	Comment
AE	Notebook	Dell	Latitude E7250	For configuring test modes
AE	Evaluation Board	u-blox		
CBL	USB-C	---	---	Connection between evaluation board and EUT
CBL	Data cable	---	---	
CBL	SBI cable			
CBL	Ethernet	---	---	Connection between evaluation board and notebook
AE	AC/DC Adapter	EDACPOWER ELECT.	EA1045CR	To power the evaluation board
SFT	Terminal	Debian / Linux	---	For test mode activation
Description:				
AE	Auxiliary Equipment			
SIM	Simulator			
CBL	Connecting Cable			
SFT	Software			
Comment:				

1.4 Test mode output power

1.4.1 Information

Test Information	
Measurement Method	ANSI C63.10 11.9, 14.3

1.4.2 Setup



1.4.3 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Power sensor	ETS-Lindgren USA	7002-006	EF00934	2022-07	2023-07

1.4.4 Procedure

Test Procedure
<ol style="list-style-type: none"> 1. EUT set to test mode 2. The peak power is measured with the wideband power sensor 3. The power is measured for the lowest data rate on all three channels 4. For the channel with the highest power the power is also measured for all data rates 5. The data rate with the highest output power is selected for test mode

1.4.5 Results

Results - DSSS			
Data Rate [Mbps]	Power [dBm] Channel 2412 [MHz]	Power [dBm] Channel 2437 [MHz]	Power [dBm] Channel 2462 [MHz]
1	21.6	21.5	21.6
2	21.6	21.6	21.6
5.5	21.5	21.6	21.6
11	21.5	21.5	21.5

Results - OFDM			
Data Rate [Mbps]	Power [dBm] Channel 2412 [MHz]	Power [dBm] Channel 2437 [MHz]	Power [dBm] Channel 2462 [MHz]
6	23.2	23.2	23.1
9	23.1	23.1	23.2
12	23.1	23.1	23.1
18	23.2	23.1	23.1
24	23.2	23.1	23.1
36	23.2	23.2	23.1
48	23.2	23.1	23.1
54	23.2	23.2	23.1

Results - HT20			
MCS	Power [dBm] Channel 2412 [MHz]	Power [dBm] Channel 2437 [MHz]	Power [dBm] Channel 2462 [MHz]
0	23.1	23.2	23.1
1	23.1	23.1	23.1
2	23.2	23.1	23.2
3	23.1	23.1	23.1
4	23.1	23.1	23.1
5	23.2	23.1	23.1
6	23.2	23.1	23.1
7	23.2	23.1	23.1

Results - HT40			
MCS	Power [dBm] Channel 2422 [MHz]	Power [dBm] Channel 2437 [MHz]	Power [dBm] Channel 2452 [MHz]
0	23	23	23
1	23	22.9	22.9
2	23	23	22.9
3	23	22.9	23
4	23	22.9	23
5	23	23	23
6	23	23	22.9
7	23	23	22.9

1.5 Test mode duty cycle

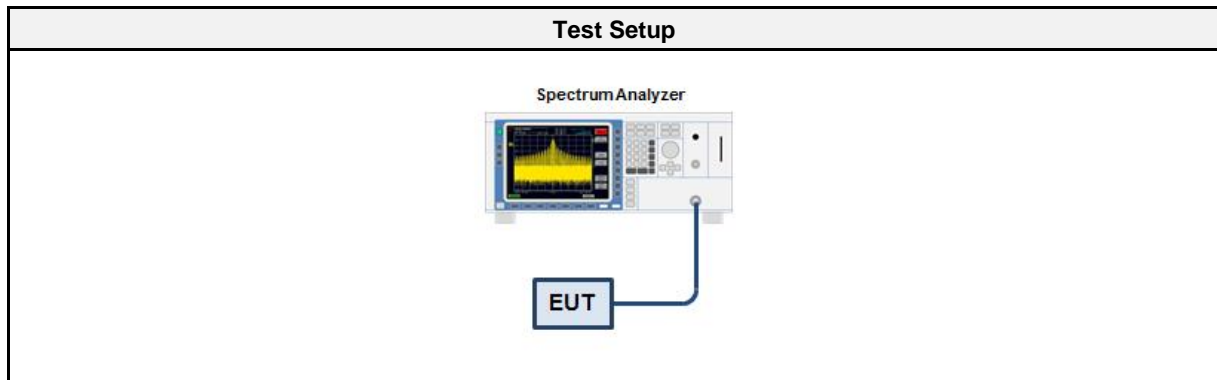
1.5.1 Information

Test Information	
Measurement Method	ANSI C63.10 11.6

1.5.2 Requirements

Requirements	
Duty cycle	Duty cycle correction
≥ 98 %	No correction required
< 98 %	Correction required (10 x Log ₁₀ (1/DC))

1.5.3 Setup



1.5.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSU 26	EF01631	2022-08	2023-08

1.5.5 Procedure

Test Procedure
<ol style="list-style-type: none"> 1. EUT set to test mode 2. Span is set to zero span 3. Detector set to peak 4. Sweep time is set long enough to capture at least 5 bursts 5. Envelope peak value of emission spectrum is selected 6. The maximum burst duration T_{ON} is measured using two markers set to the start and the end of the longest burst 7. The minimum idle duration T_{OFF} is measured using two markers set to the start and the end of the shortest idle period 8. The duty cycle is calculated by $DC = T_{ON} / (T_{ON} + T_{OFF})$ 9. The duty cycle correction is calculated by $DC = -10 \times \text{Log}_{10}(T_{ON} / (T_{ON} + T_{OFF}))$

1.5.6 Results

Duty Cycle Results		
Mode	Duty Cycle	Correction Factor [dB]
DSSS	99.4	0
OFDM	99.2	0
HT20	99.6	0
HT40	99.2	0

1.6 Test Modes

Mode	Description
DSSS (IEEE 802.11b)	Mode = Transmit Modulation = BPSK Spreading = DSSS Bandwidth = 20 MHz Duty cycle = 99.4% Data rate = 1 Mbps Power level = 19 dBm
OFDM (IEEE 802.11g)	Mode = Transmit Modulation = OFDM Bandwidth = 20 MHz Duty cycle = 99.2% Data rate = 6 Mbps Power level = 15 dBm (2412 MHz, 2462 MHz) Power level = 18 dBm (2437 MHz)
HT20 (IEEE 802.11n)	Mode = Transmit Modulation = OFDM Bandwidth = 20 MHz Duty cycle = 99.6% MCS (1 Simultaneous Tx) = 2 Power level = 14 dBm (2412 MHz, 2462 MHz) Power level = 18 dBm (2437 MHz)
HT40 (IEEE 802.11n)	Mode = Transmit Modulation = OFDM Bandwidth = 40 MHz Duty cycle = 99.2% MCS (1 Simultaneous Tx) = 0 Power level = 14 dBm (2422 MHz, 2452 MHz) Power level = 15 dBm (2437 MHz)
HE20 (IEEE 802.11ax)	Mode = Transmit Modulation = OFDM Bandwidth = 20 MHz Duty cycle = 99.6% MCS (1 Simultaneous Tx) = 0 Power level = 14 dBm (2412 MHz, 2462 MHz) Power level = 18 dBm (2437 MHz)
HE40 (IEEE 802.11ax)	Mode = Transmit Modulation = OFDM Bandwidth = 40 MHz Duty cycle = 99.2% MCS (1 Simultaneous Tx) = 0 Power level = 14 dBm (2422 MHz) Power level = 13 dBm (2452 MHz) Power level = 14 dBm (2437 MHz)
Receive	Mode = Receive
Comment: The above settings were found as worst case by evaluation of the output power.	

1.7 Test Frequencies

Designator	Mode	Channel	Frequency [MHz]
F1	Tx	1	2412
F2	Tx	3	2422
F3	Tx / Rx	6	2437
F4	Tx	9	2452
F5	Tx	11	2462

1.8 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:

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

Net:

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

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.

Field strength 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:

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

Example only for radiated field strength:

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

2 Result Summary

FCC 47 CFR Part 15C, ISED RSS-247				
Product Standard Reference	Requirement	Reference Method	Result	Remarks
ISED RSS-Gen, Issue 5 A2 (section 6.7)	Occupied Bandwidth	ANSI C63.10-2013	N/R	Informational only
FCC § 15.247(a)(2) ISED RSS-247, Issue 2 (section 5.2)	6 dB Bandwidth	ANSI C63.10-2013	N/T	
FCC § 15.247(b) ISED RSS-247, Issue 2 (section 5.4)	Maximum peak conducted power	ANSI C63.10-2013	N/T	
FCC § 15.247(e) ISED RSS-247, Issue 2 (section 5.2)	Power spectral density	ANSI C63.10-2013	N/T	
FCC § 15.207 ISED RSS-247, Issue 2 (section 3.1)	AC power line conducted emissions	ANSI C63.10-2013	N/T	
FCC § 15.247(d) ISED RSS-247, Issue 2 (section 5.5)	Band edge compliance	ANSI C63.10-2013	N/T	
FCC § 15.247(d) ISED RSS-247, Issue 2 (section 5.5)	Conducted spurious emissions	ANSI C63.10-2013	N/T	
FCC § 15.247(d) FCC § 15.209 ISED RSS-Gen, Issue 5 A2 (section 6.13)	Transmitter radiated spurious emissions	ANSI C63.10-2013	PASS	Note 1
ISED RSS-247, Issue 2 (section 3.1)	Receiver radiated spurious emissions	ANSI C63.4-2014	PASS	Note 1
Remarks:				
Note 1: Spot-check of an additional model.				
Comment: The Decision Rule is applied on the basis of ETSI TR 102 273 and ETSI TR 100 028. These standards provide guidance on how to calculate and apply measurement uncertainty whilst providing maximum uncertainties allowance. In all cases due consideration will be given to ILAC-G8:09/2019. Where a result is considered conditional in respect of its proximity to the limit line, the customer would be made aware of situation so that they can make an informed decision on how to proceed.				

Possible Test Case Verdicts	
PASS	Test object does meet the requirements
FAIL	Test object does not meet the requirements
N/T	Required by standard but not tested
N/R	Not required by standard for the test object

3 Test Conditions and Results

3.1 Test Conditions and Results - Transmitter radiated emissions

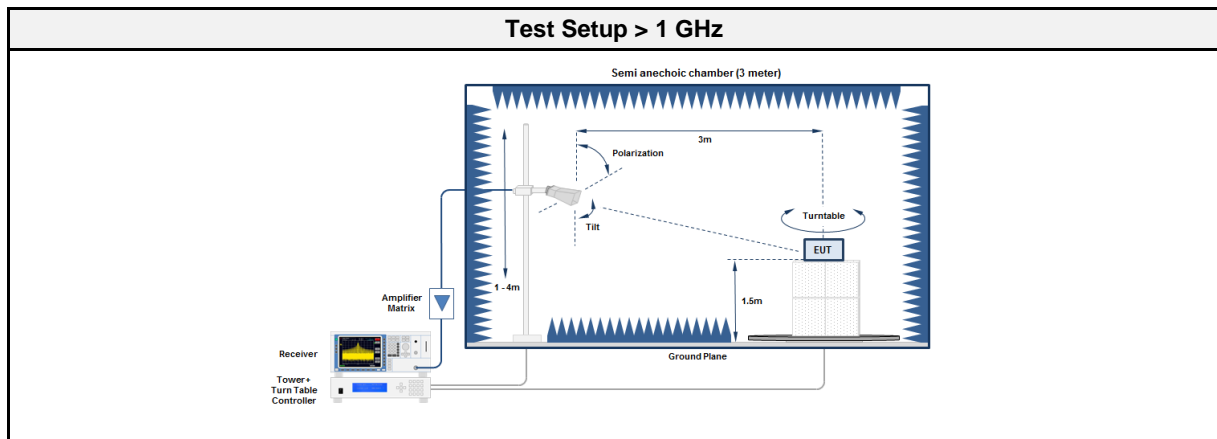
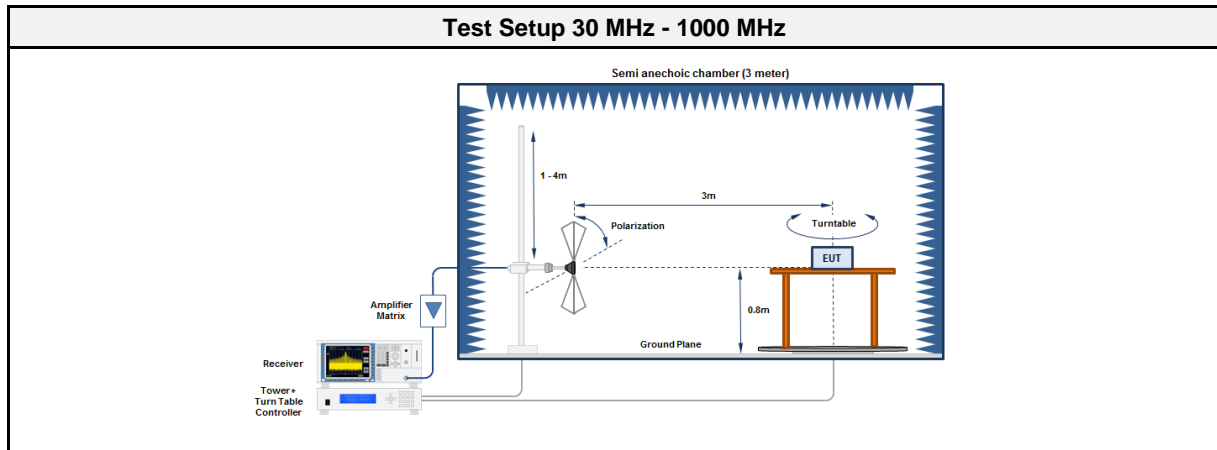
3.1.1 Information

Test Information	
Reference	FCC § 15.247(d); FCC § 15.209; ISSED RSS-Gen, Issue 5 A2 (section 6.13)
Measurement Uncertainty	± 5.95 dB
Measurement Method	ANSI C63.10 6.4, 6.5, 6.6, 11.12
Operator	Ehsan Sohrabi, Azamat Ibraimov
Date	2023-08-28 – 2023-09-29

3.1.2 Limits

Limits			
Frequency range [MHz]	Detector	Field strength [$\mu\text{V}/\text{m}$]	Measurement distance [m]
0.009 - 0.09	Average	2400/F[kHz]	300
0.09 - 0.110	Quasi-Peak	2400/F[kHz]	300
0.110 - 0.490	Average	2400/F[kHz]	300
0.490 - 1.705	Quasi-Peak	24000/F[kHz]	30
1.705 - 30.0	Quasi-Peak	30	30
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

3.1.3 Setup



3.1.4 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	RadiMation	2020.1.8

Test Equipment 30 MHz - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2022-11	2025-11
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2023-02	2024-02
Antenna	Schwarzbeck	VULB 9168	EF01824	2022-10	2023-10

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC2	EF01616	2022-10	2023-10
Spectrum analyzer	R&S	FSW43	EF00896	2022-08	2023-08
Antenna	Schwarzbeck	BBHA 9120B	EF01678	2021-03	2024-03
Antenna	Schwarzbeck	HWRD 650	EF01679	2021-03	2024-03
Antenna	Amplifier Research	AT4560	EF00302	2021-06	2023-06

3.1.5 Procedure

Test Procedure 30 MHz - 1000 MHz	
1.	EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground
2.	EUT set to test mode
3.	The receiver is set to peak detection with max hold
4.	The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5.	All significant emissions are measured again using the corresponding final detector

Test Procedure > 1 GHz	
1.	EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground
2.	EUT set to test mode
3.	The receiver is set to peak detection with max hold
4.	The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5.	All significant emissions are measured again using the corresponding final detector

3.1.6 Results

Test Results – DSSS						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
2412	2386.8	56.24	pk	ver	74.00	-17.76
2412	2386.8	43.94	avg	ver	54.00	-10.06
2412	2487.3	43.75	pk	ver	74.00	-30.25
2412	2487.3	31.44	avg	ver	54.00	-22.56
2412	4829.3	44.62	pk	ver	74.00	-29.38
2412	4829.3	39.18	avg	ver	54.00	-14.82
2437	268.7897	26.40	pk	hor	46.00	-19.63
2437	4874	50.01	pk	ver	74.00	-23.99
2437	4874	48.08	avg	ver	54.00	-05.92
2437	7498.5	45.89	pk	ver	74.00	-28.11
2437	7498.5	33.76	avg	ver	54.00	-20.24
2462	268.814	25.30	pk	hor	46.00	-20.67
2462	2485.5	57.19	pk	ver	74.00	-16.81
2462	2485.5	45.33	avg	ver	54.00	-08.67
2462	2500	47.85	pk	ver	74.00	-26.15
2462	2500	42.88	avg	ver	54.00	-11.12
2462	4919	46.41	pk	ver	74.00	-27.59
2462	4919	39.80	avg	ver	54.00	-14.20
2462	7394	45.19	pk	hor	74.00	-28.81
2462	7394	35.65	avg	hor	54.00	-18.35

Test Results – OFDM						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
2412	2389.8	69.30	pk	ver	74.00	-04.70
2412	2389.8	48.24	avg	ver	54.00	-05.76
2412	2486.1	44.16	pk	ver	74.00	-29.84
2412	2486.1	32.98	avg	ver	54.00	-21.02
2412	4831.1	42.89	pk	hor	74.00	-31.11
2412	4831.1	31.29	avg	hor	54.00	-22.71
2437	2386.8	57.69	pk	ver	74.00	-16.31
2437	2386.8	43.88	avg	ver	54.00	-10.12
2437	2486	55.77	pk	ver	74.00	-18.23
2437	2486	39.02	avg	ver	54.00	-14.98
2437	4878.3	44.91	pk	hor	74.00	-29.09
2437	4878.3	34.08	avg	hor	54.00	-19.92
2437	7303.2	47.83	pk	hor	74.00	-26.17
2437	7303.2	35.86	avg	hor	54.00	-18.14
2462	2483.9	70.94	pk	ver	74.00	-03.06
2462	2483.9	48.12	avg	ver	54.00	-05.88

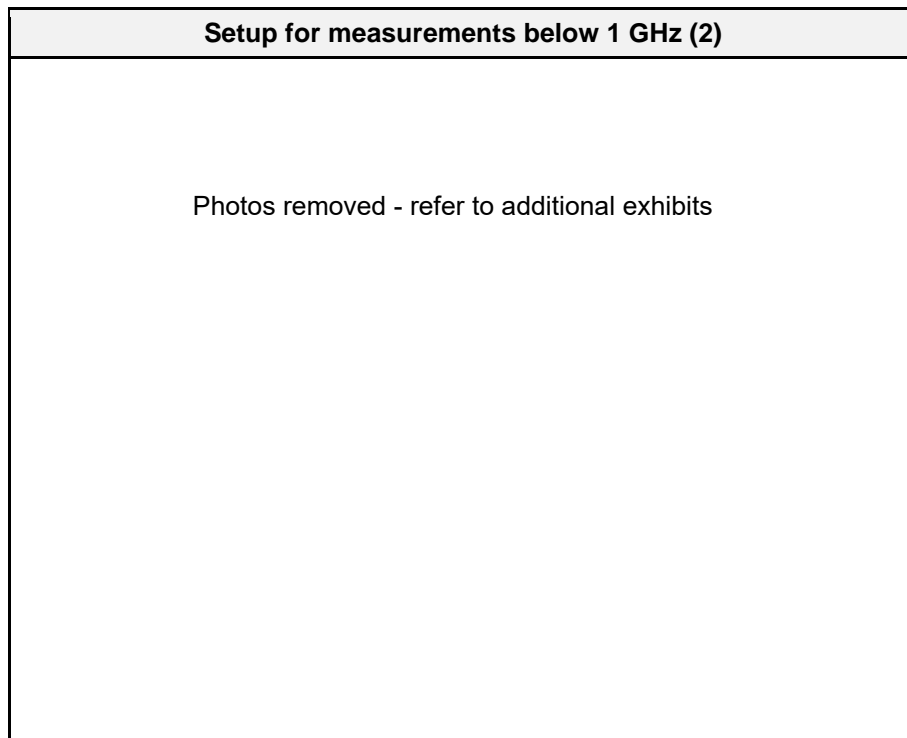
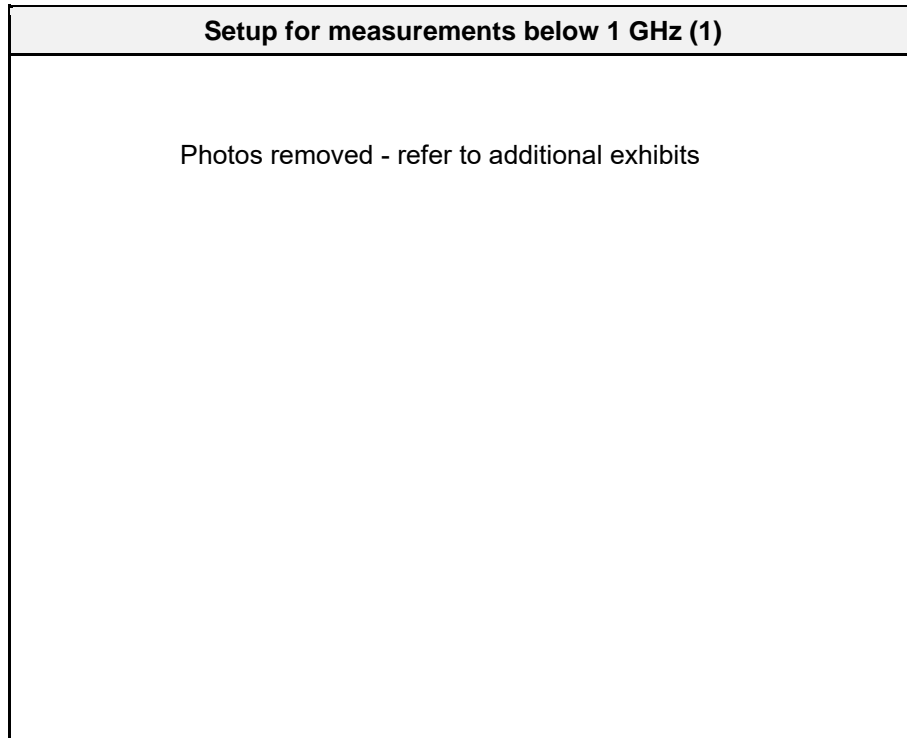
Test Results - HT20						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
2412	2389.7	70.84	pk	ver	74.00	-03.16
2412	2389.7	49.05	avg	ver	54.00	-04.95
2437	2383.7	67.88	pk	ver	74.00	-06.12
2437	2383.7	50.74	avg	ver	54.00	-03.26
2437	2484.6	69.10	pk	ver	74.00	-04.90
2437	2484.6	52.55	avg	ver	54.00	-01.45
2462	2483.8	69.29	pk	ver	74.00	-04.71
2462	2483.8	48.98	avg	ver	54.00	-05.02

Test Results - HT40						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
2422	2389.6	68.86	pk	ver	74.00	-05.14
2422	2389.6	49.26	avg	ver	54.00	-04.74
2437	2389.8	69.50	pk	ver	74.00	-04.50
2437	2389.8	49.12	avg	ver	54.00	-04.88
2437	2483.6	71.69	pk	ver	74.00	-02.31
2437	2483.6	49.01	avg	ver	54.00	-04.99
2452	2486.5	65.60	pk	ver	74.00	-08.40
2452	2486.5	47.71	avg	ver	54.00	-06.29

Test Results – HE20						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
2412	74.9433	30.00	pk	ver	40.00	-10.00
2412	2387.7	70.25	pk	ver	74.00	-03.75
2412	2387.7	47.45	avg	ver	54.00	-06.55
2412	19296	49.89	pk	ver	74.00	-24.11
2412	19296	46.56	avg	ver	54.00	-07.44
2437	2386.3	69.71	pk	ver	74.00	-04.29
2437	2386.3	48.74	avg	ver	54.00	-05.26
2437	2387.7	61.41	pk	ver	74.00	-12.59
2437	2387.7	42.68	avg	ver	54.00	-11.32
2437	2483.7	63.30	pk	ver	74.00	-10.70
2437	2483.7	45.75	avg	ver	54.00	-08.25
2437	2483.7	73.08	pk	ver	74.00	-00.92
2437	2483.7	51.71	avg	ver	54.00	-02.29
2437	4868.7	45.46	pk	ver	74.00	-28.54
2437	4868.7	35.06	avg	ver	54.00	-18.94
2437	7306.3	49.92	pk	ver	74.00	-24.08
2437	7306.3	37.60	avg	ver	54.00	-16.40
2462	2484.9	72.28	pk	ver	74.00	-01.72
2462	2484.9	46.53	avg	ver	54.00	-07.47
2462	2500	50.03	pk	ver	74.00	-23.97
2462	2500	38.44	avg	ver	54.00	-15.56
2462	19696	50.45	pk	ver	74.00	-23.55
2462	19696	47.47	avg	ver	54.00	-06.53

Test Results - HE40						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
2422	74.5553	28.00	pk	ver	40.00	-11.96
2422	609.963	36.10	pk	ver	46.00	-09.87
2422	2389.9	71.62	pk	ver	74.00	-02.38
2422	2389.9	51.49	avg	ver	54.00	-02.51
2422	2484	53.89	pk	ver	74.00	-20.11
2422	2484	40.44	avg	ver	54.00	-13.56
2437	2381.9	64.76	pk	ver	74.00	-09.24
2437	2381.9	44.12	avg	ver	54.00	-09.88
2437	2388.4	70.87	pk	ver	74.00	-03.13
2437	2388.4	52.98	avg	ver	54.00	-01.02
2437	2483.7	69.62	pk	ver	74.00	-04.38
2437	2483.7	47.22	avg	ver	54.00	-06.78
2437	2484	68.59	pk	ver	74.00	-05.41
2437	2484	53.84	avg	ver	54.00	-00.16
2452	2492.1	67.84	pk	ver	74.00	-06.16
2452	2492.1	47.45	avg	ver	54.00	-06.55
2452	2500	70.19	pk	ver	74.00	-03.81
2452	2500	50.18	avg	ver	54.00	-03.82
2452	19616	50.51	pk	ver	74.00	-23.49
2452	19616	42.18	avg	ver	54.00	-11.82

3.1.7 Setup Photos



EUT Test Setup below 1 GHz

Photos removed - refer to additional exhibits

Setup for measurements above 1 GHz (1)

Photos removed - refer to additional exhibits

Setup for measurements above 1 GHz (2)

Photos removed - refer to additional exhibits

EUT Test Setup above 1 GHz

Photos removed - refer to additional exhibits

3.2 Test Conditions and Results - Receiver radiated emissions

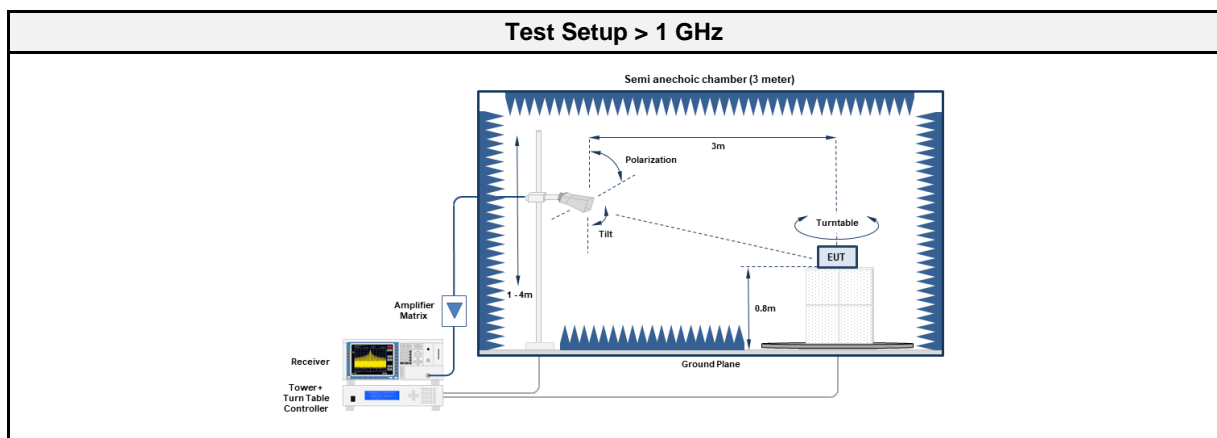
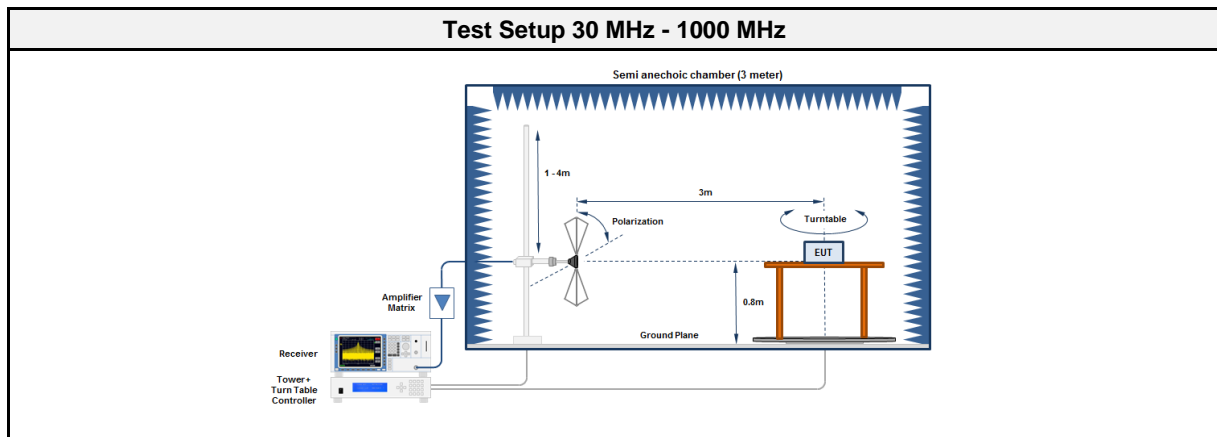
3.2.1 Information

Test Information	
Reference	ISED RSS-247, Issue 2 (section 3.1)
Measurement Uncertainty	± 5.95 dB
Measurement Method	ANSI C63.4-2014 8.1-8.3
Operator	Azamat Ibraimov
Date	2023-08-29

3.2.2 Limits

Limits			
Frequency range [MHz]	Detector	Field strength [$\mu\text{V}/\text{m}$]	Measurement distance [m]
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

3.2.3 Setup



3.2.4 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	RadiMation	2020.1.8

Test Equipment 30 MHz - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2021-02	2024-02
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2023-02	2024-02
Antenna	Schwarzbeck	VULB 9168	EF01824	2022-10	2023-10

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF01011	2022-06	2025-06
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2023-02	2024-02
Antenna	Schwarzbeck	BBHA 9120D	EF01561	2021-11	2024-11
Antenna	Schwarzbeck	HWRD 650	EF01679	2021-03	2024-03

3.2.5 Procedure

Test Procedure
<ol style="list-style-type: none"> EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground EUT is set to test mode The receiver is set to peak detection with max hold The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m All significant emissions are measured again using the corresponding final detector

3.2.6 Results

Test Results						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
2462	268.7897	26.60	pk	hor	46.00	-19.39
2462	640.0088	33.90	pk	ver	46.00	-12.12
2462	1280	36.86	pk	ver	74.00	-37.14
2462	1280	32.93	avg	ver	53.98	-21.05

3.2.7 Setup Photos

Setup for measurements below 1 GHz (1)

Photos removed - refer to additional exhibits

Setup for measurements below 1 GHz (2)

Photos removed - refer to additional exhibits

Setup for measurements above 1 GHz (1)

Photos removed - refer to additional exhibits

Setup for measurements above 1 GHz (2)

Photos removed - refer to additional exhibits

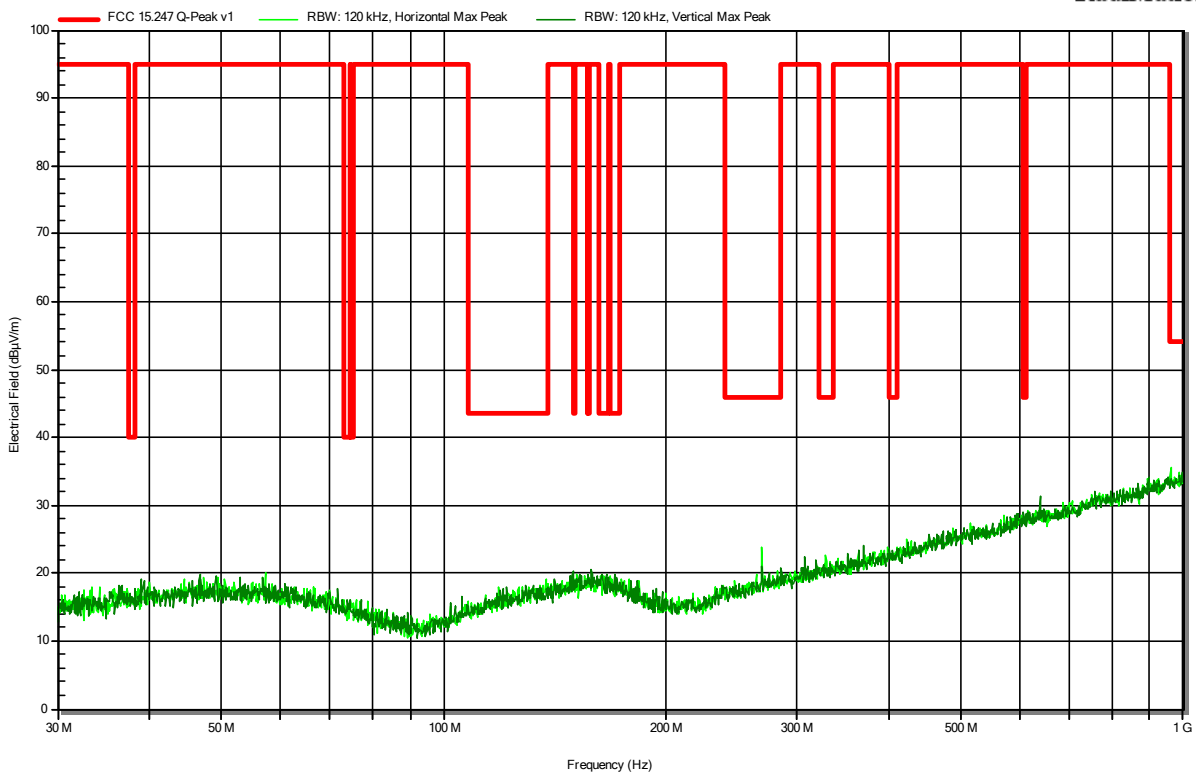
ANNEX A Transmitter spurious emissions

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, 2412 MHz, DSSS, 1 Mbps
 Test Date: 2023-08-29
 Note:

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RadiMation

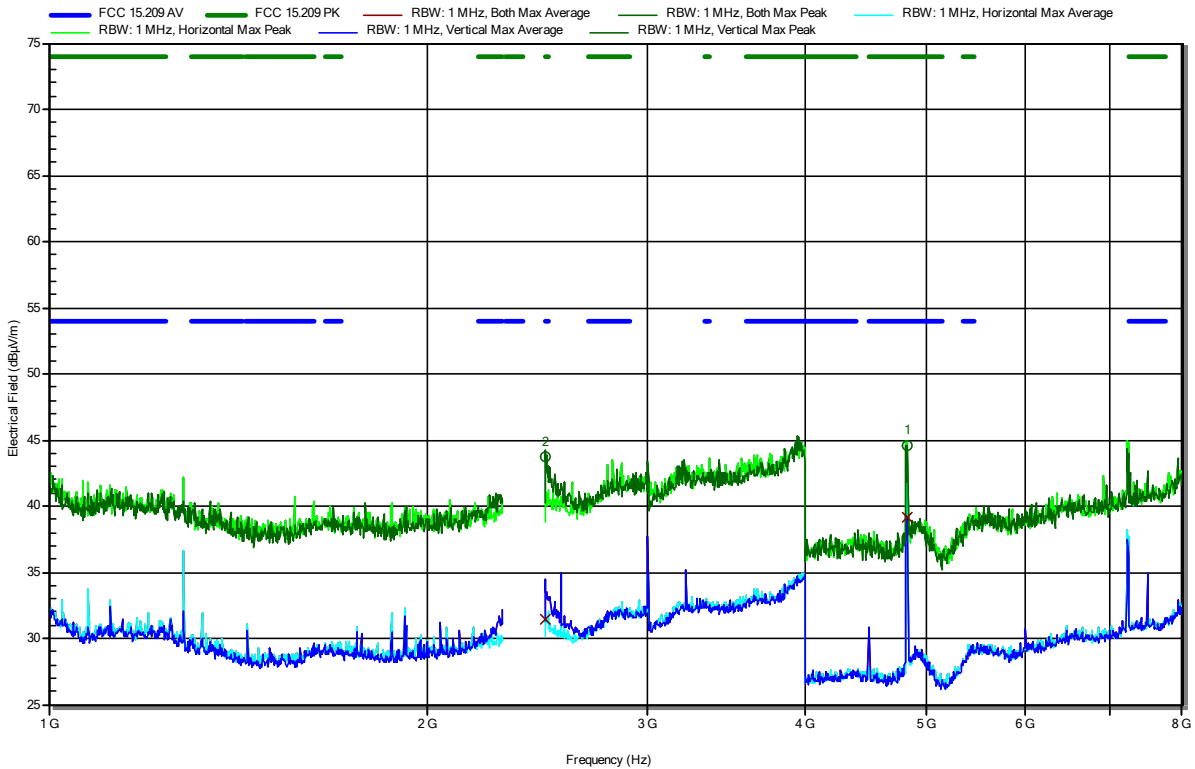


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, CH1, 2412 MHz, BPSK, 1 Mbps
 Test Date: 2023-08-28
 Note:

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RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4873 GHz	43.75 dBµV/m	74 dBµV/m	-30.25 dB	Pass	Vertical
4.8293 GHz	44.62 dBµV/m	74 dBµV/m	-29.38 dB	Pass	Vertical

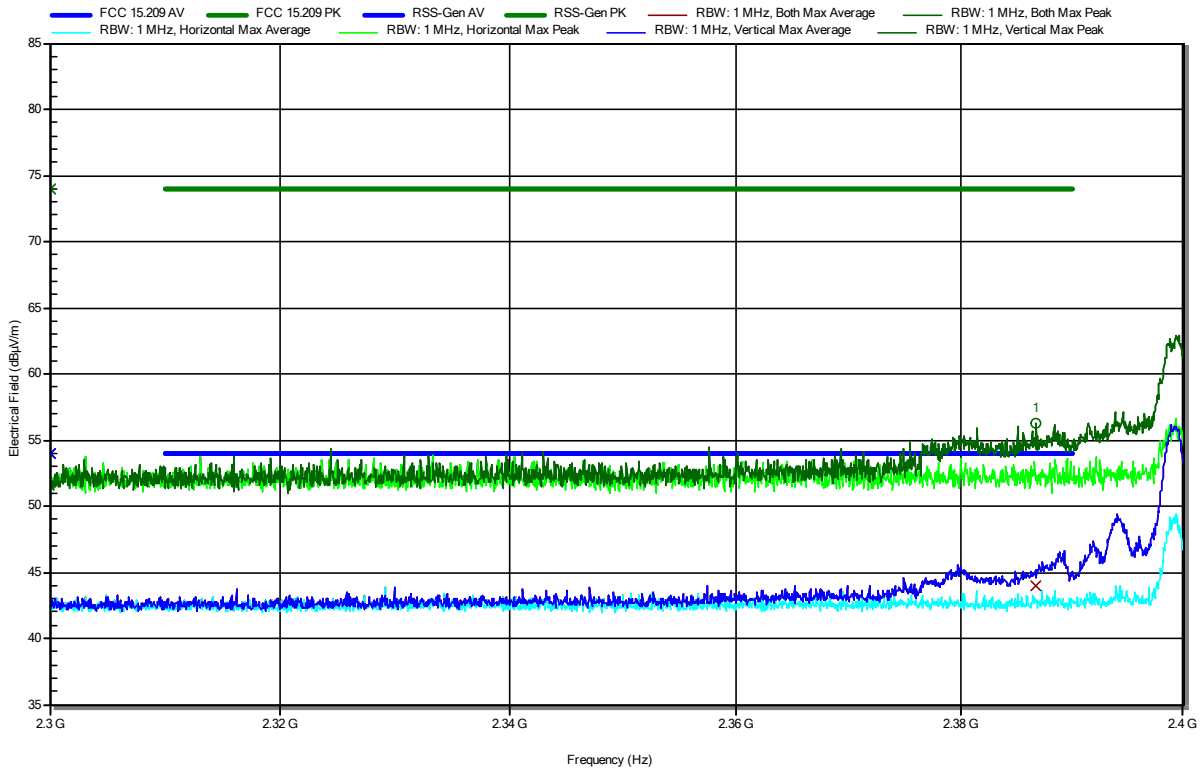
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4873 GHz	31.44 dBµV/m	54 dBµV/m	-22.56 dB	Pass	Vertical
4.8293 GHz	39.18 dBµV/m	54 dBµV/m	-14.82 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, CH1, 2412 MHz, BPSK, 1 Mbps
 Test Date: 2023-08-28
 Note: lower bandedge

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RadiMation



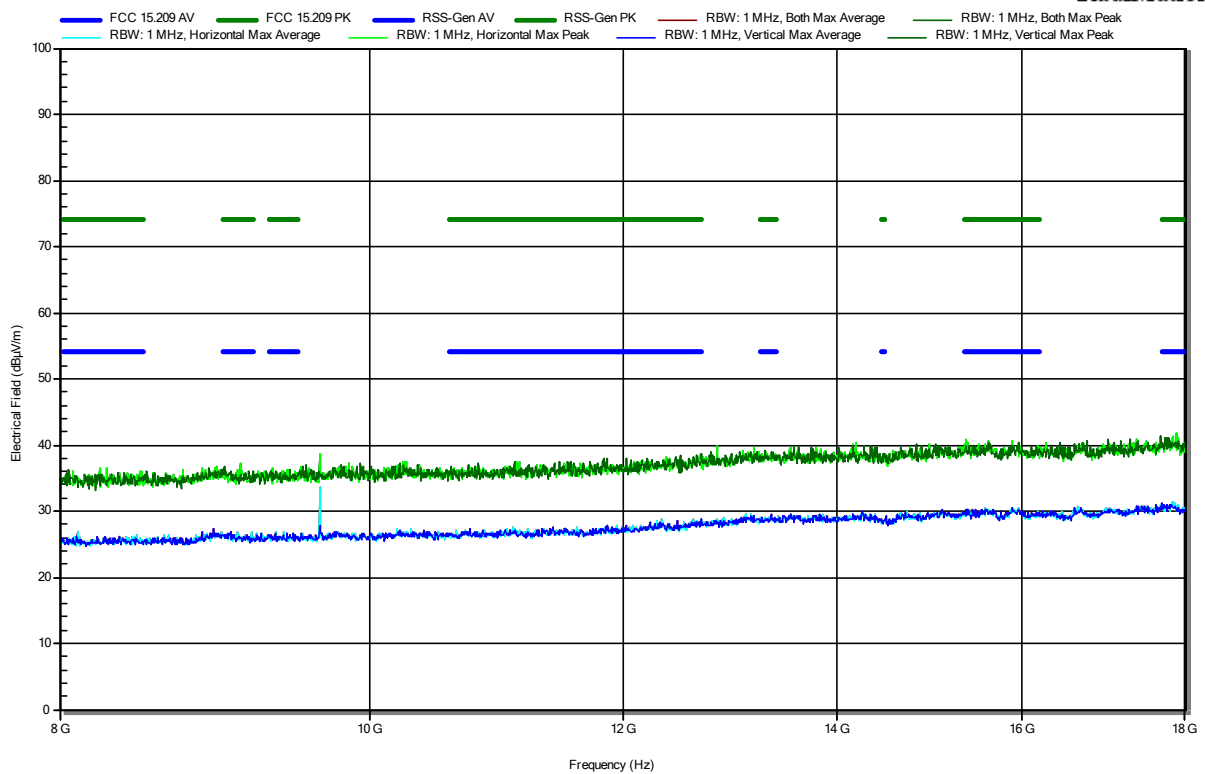
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3868 GHz	56.24 dBµV/m	74 dBµV/m	-17.76 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3868 GHz	43.94 dBµV/m	54 dBµV/m	-10.06 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, Ch1, 2412 GHz, 1 Mbps, BPSK
 Test Date: 2023-09-29
 Note:

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RadiMation

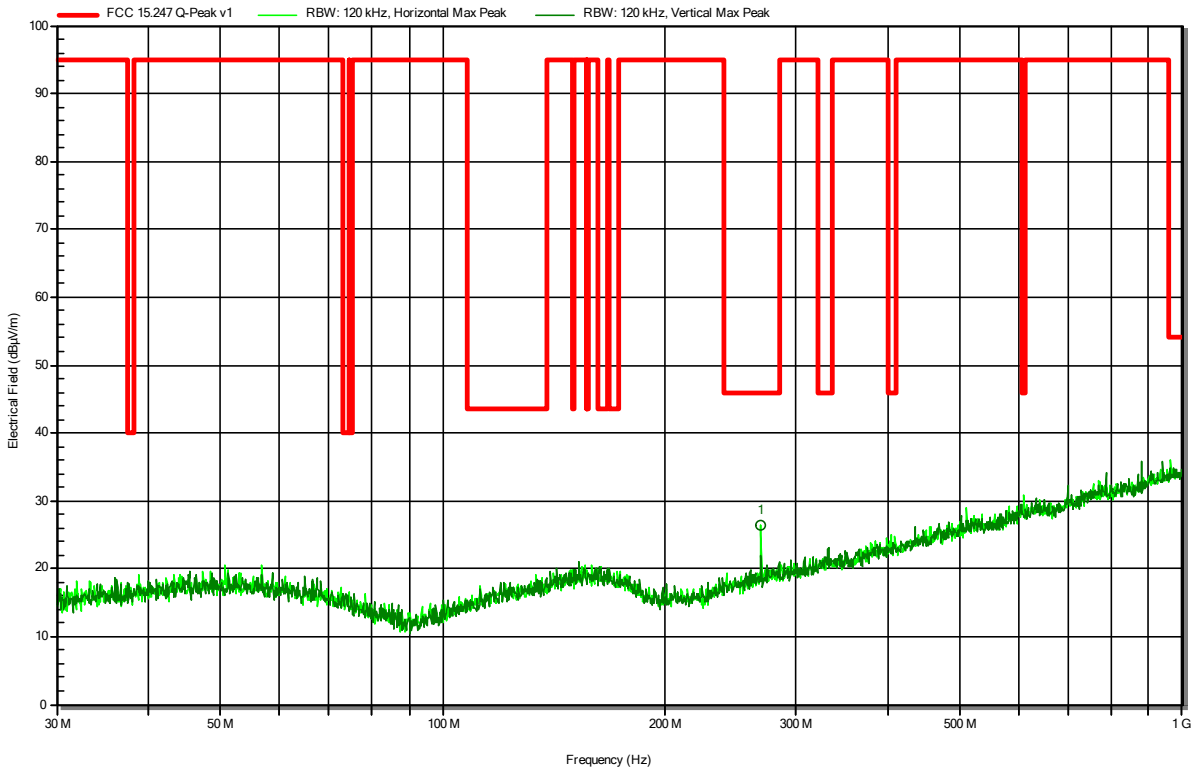


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, 2437 MHz, DSSS, 1 Mbps
 Test Date: 2023-08-29
 Note:

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RadiMation



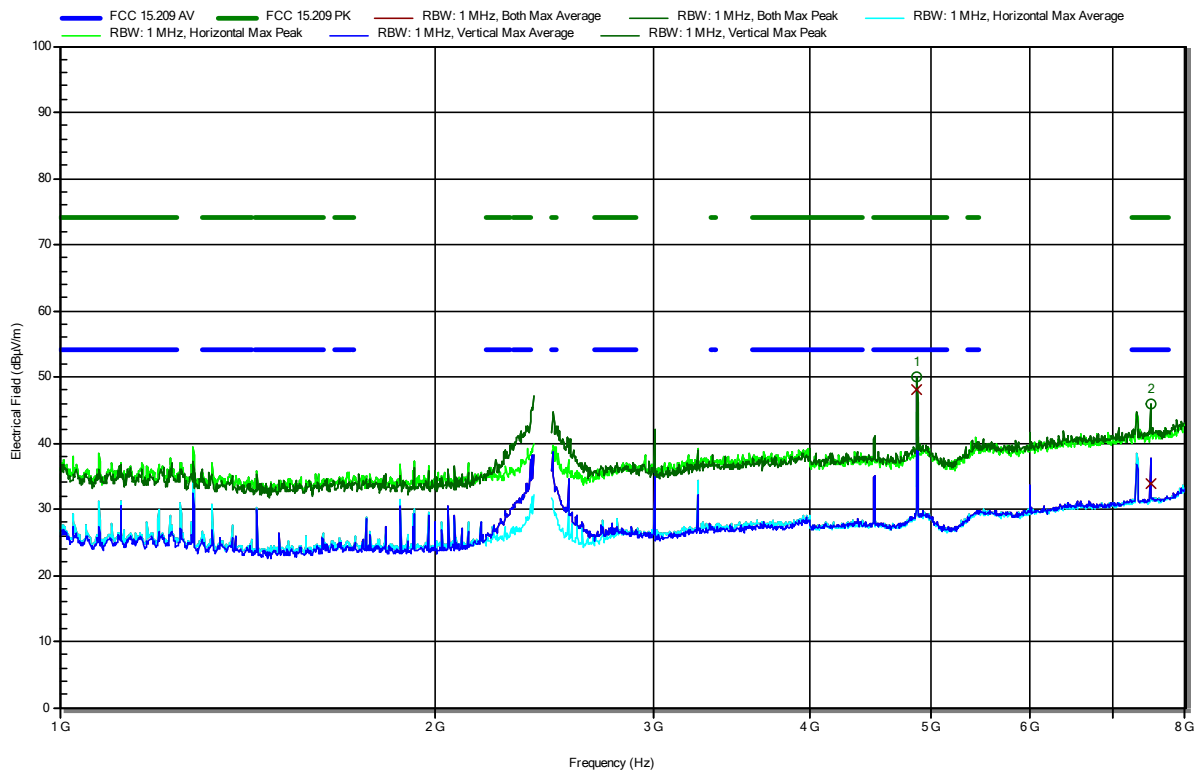
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
268.7897 MHz	26.4 dBµV/m	46 dBµV/m	-19.63 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, CH6, 2437 MHz, BPSK, 1 Mbps
 Test Date: 2023-08-28
 Note:

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RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
4.874 GHz	50.01 dBµV/m	74 dBµV/m	-23.99 dB	Pass	Vertical
7.4985 GHz	45.89 dBµV/m	74 dBµV/m	-28.11 dB	Pass	Vertical

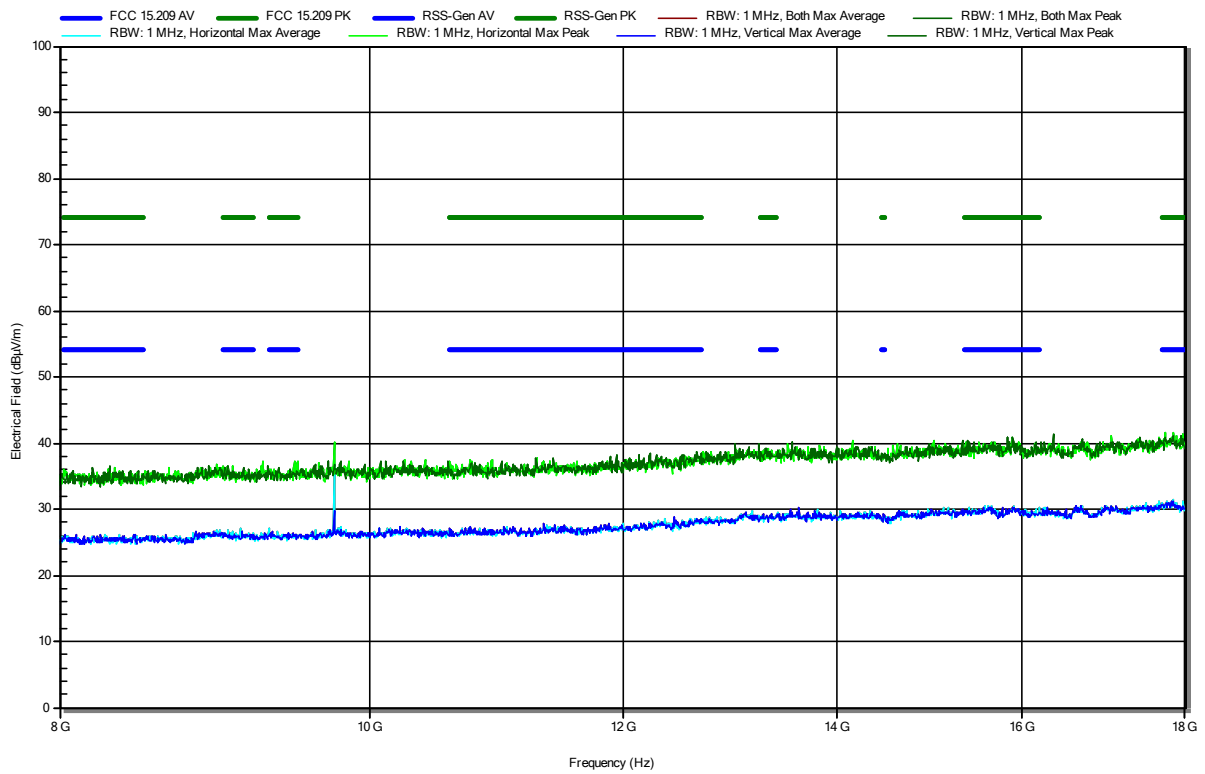
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
4.874 GHz	48.08 dBµV/m	54 dBµV/m	-5.92 dB	Pass	Vertical
7.4985 GHz	33.76 dBµV/m	54 dBµV/m	-20.24 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, Ch6, 2437 GHz, 1 Mbps, BPSK
 Test Date: 2023-09-29
 Note:

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RadiMation

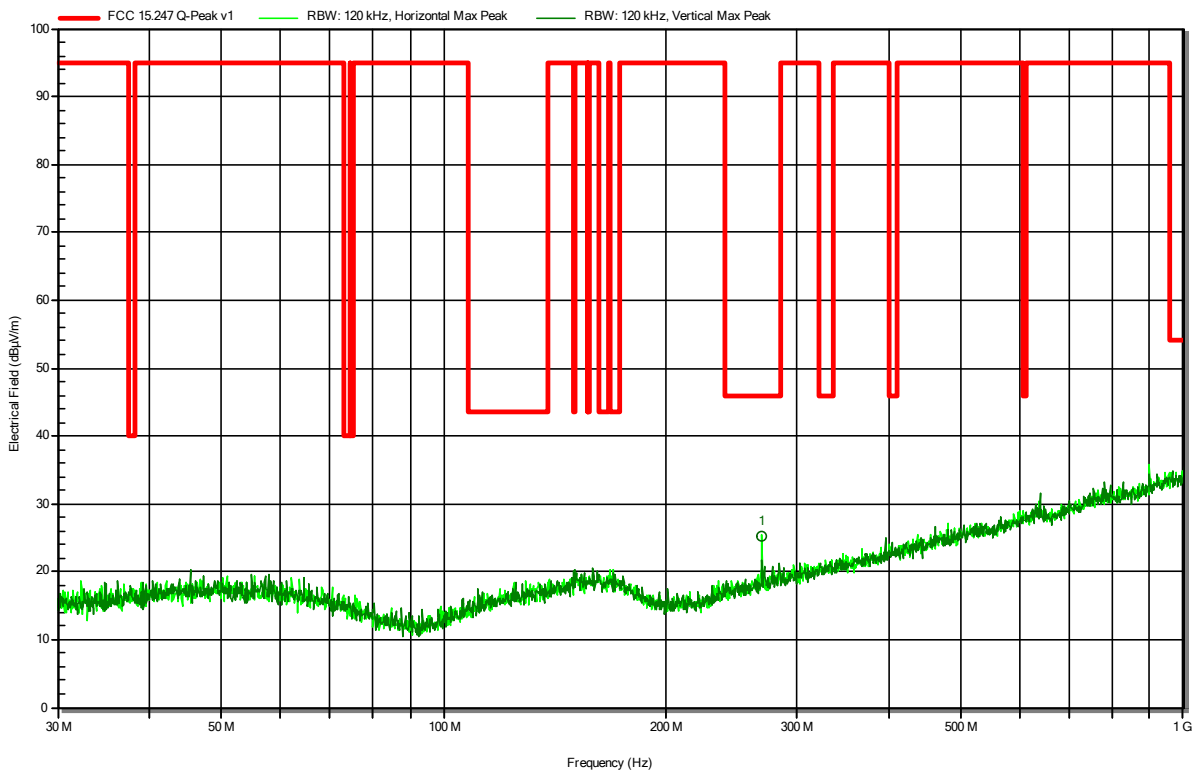


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, 2462 MHz, DSSS, 1 Mbps
 Test Date: 2023-08-29
 Note:

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RadiMation



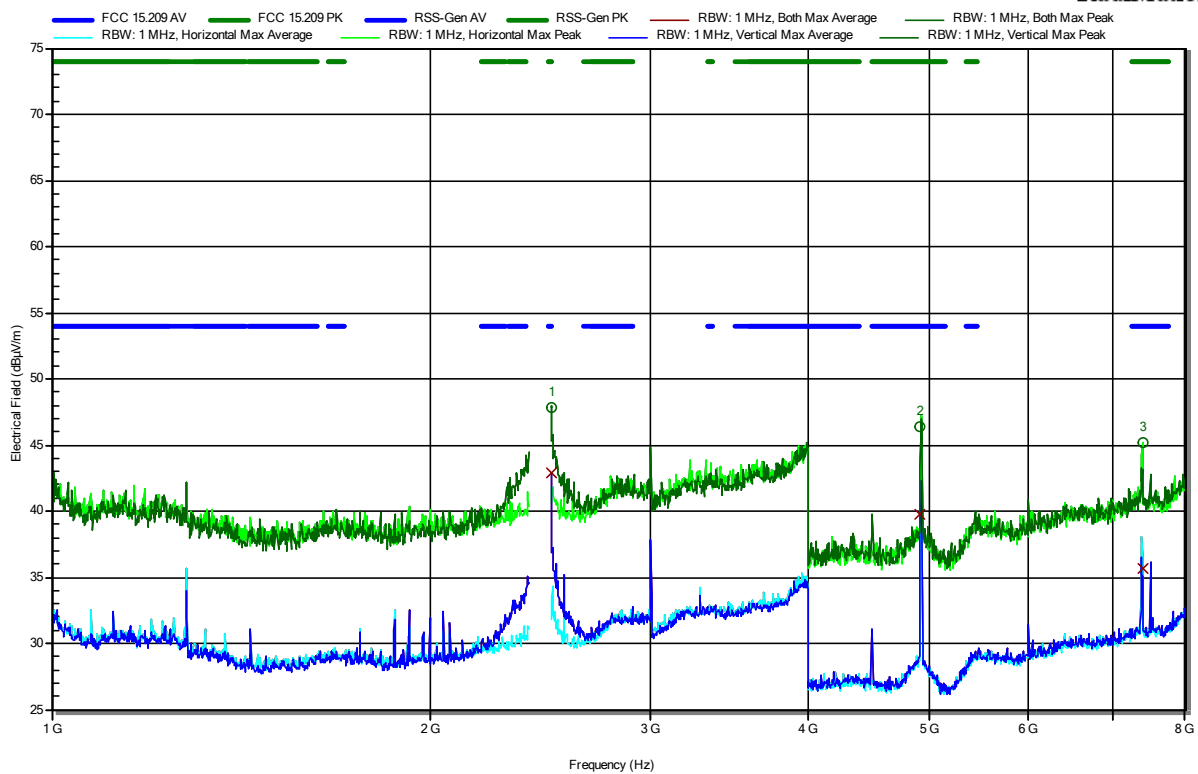
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
268.814 MHz	25.3 dBµV/m	46 dBµV/m	-20.67 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, CH11, 2462 MHz, BPSK, 1 Mbps
 Test Date: 2023-08-28
 Note:

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RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.5 GHz	47.85 dBµV/m	74 dBµV/m	-26.15 dB	Pass	Vertical
4.919 GHz	46.41 dBµV/m	74 dBµV/m	-27.59 dB	Pass	Vertical
7.394 GHz	45.19 dBµV/m	74 dBµV/m	-28.81 dB	Pass	Horizontal

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.5 GHz	42.88 dBµV/m	54 dBµV/m	-11.12 dB	Pass	Vertical
4.919 GHz	39.8 dBµV/m	54 dBµV/m	-14.2 dB	Pass	Vertical
7.394 GHz	35.65 dBµV/m	54 dBµV/m	-18.35 dB	Pass	Horizontal

Test Report No.: G0M-2302-1881-TFC247WF-W260-V03

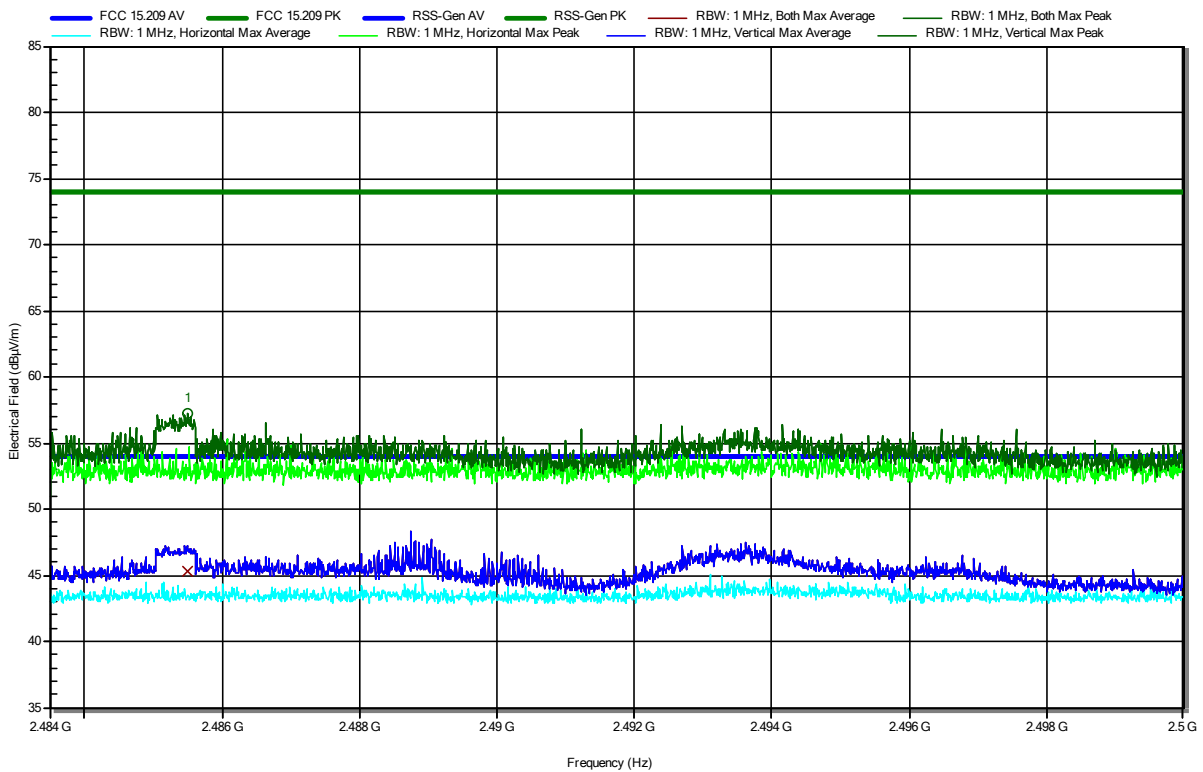
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, CH11, 2462 MHz, BPSK, 1 Mbps
 Test Date: 2023-08-28
 Note: upper bandedge

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RadiMation



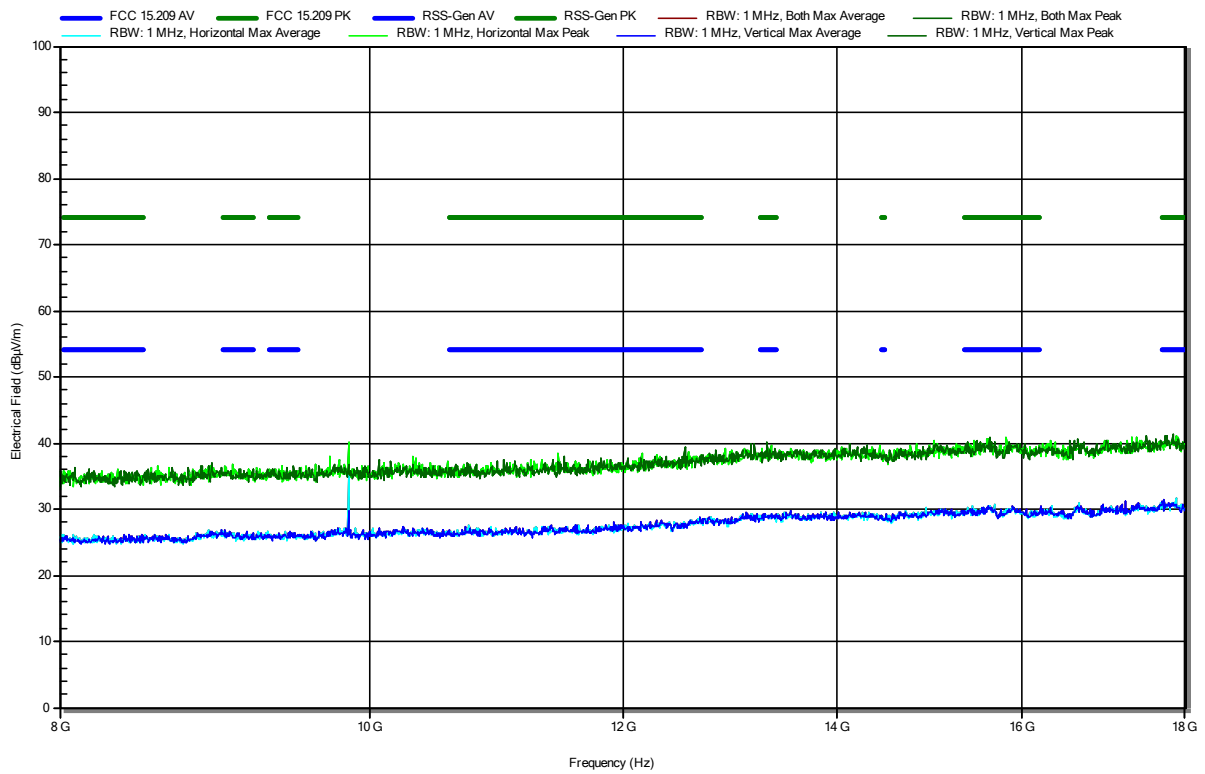
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4855 GHz	57.19 dBµV/m	74 dBµV/m	-16.81 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4855 GHz	45.33 dBµV/m	54 dBµV/m	-8.67 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11b, Ch11, 2462 GHz, 1 Mbps, BPSK
 Test Date: 2023-09-29
 Note:

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RadiMation

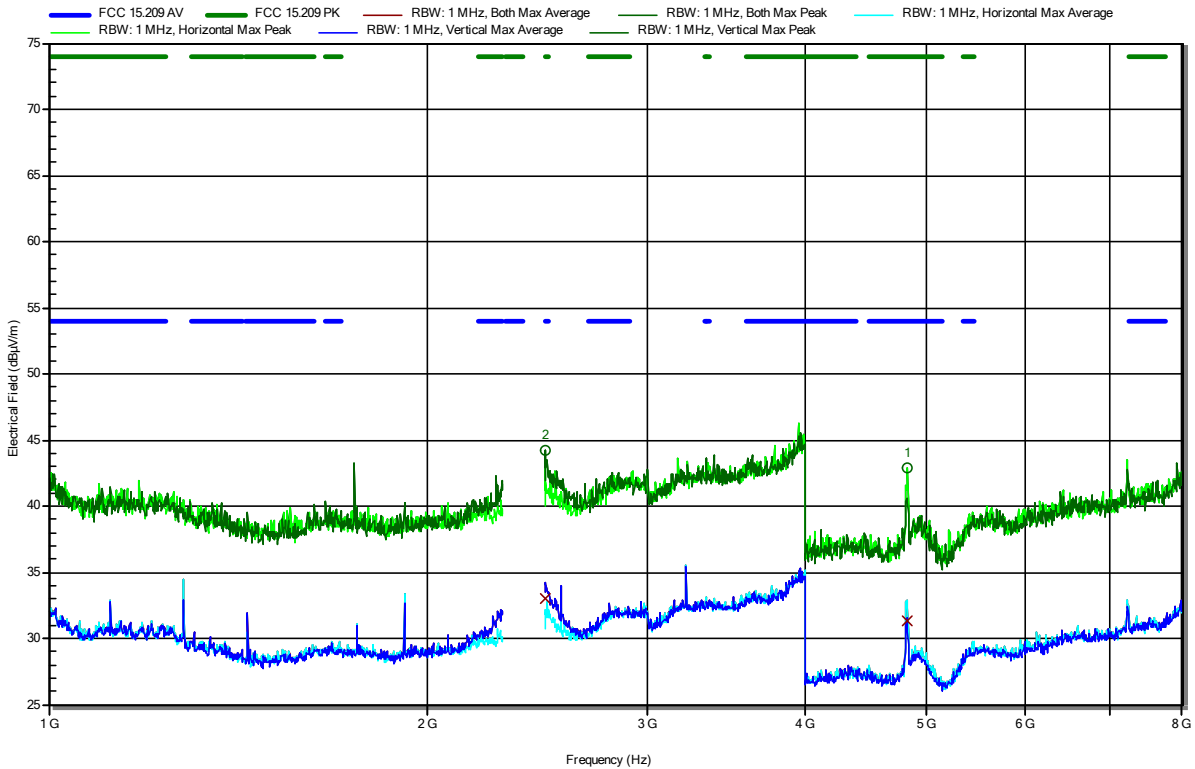


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11g, CH1, 2412 MHz, OFDM, 6Mbps
 Test Date: 2023-08-29
 Note:

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RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4861 GHz	44.16 dBµV/m	74 dBµV/m	-29.84 dB	Pass	Vertical
4.8311 GHz	42.89 dBµV/m	74 dBµV/m	-31.11 dB	Pass	Horizontal

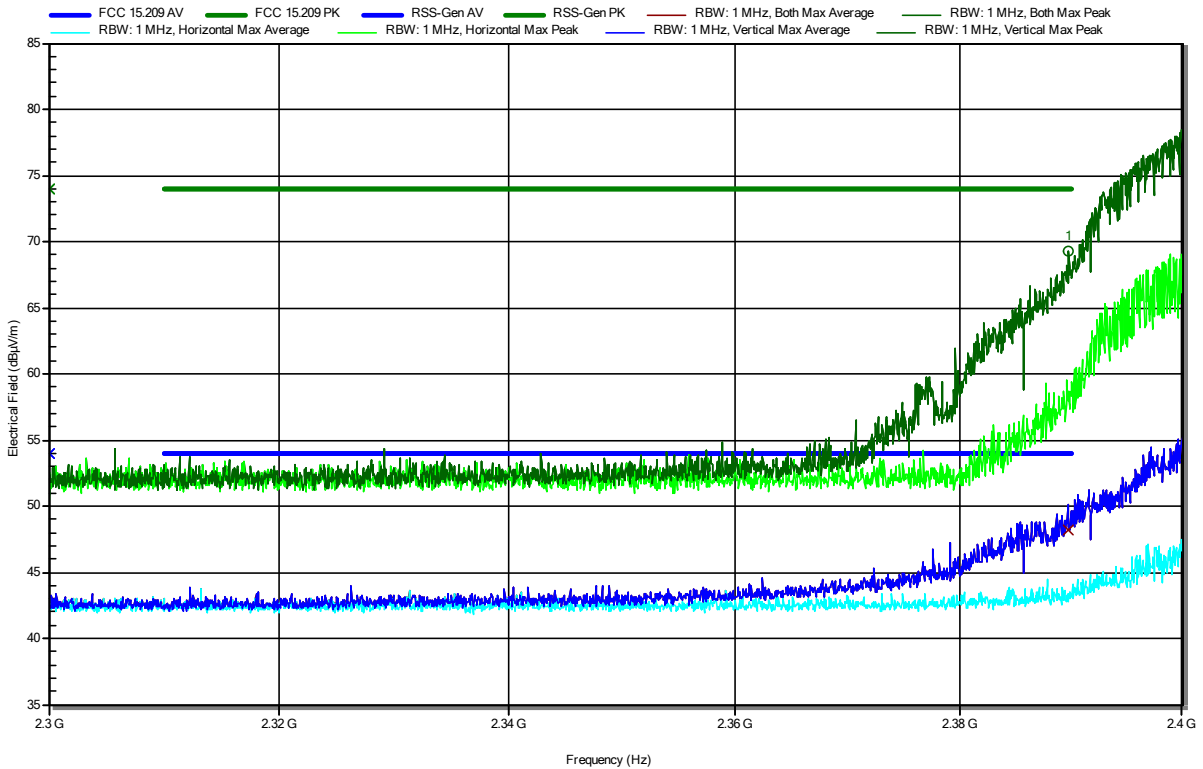
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4861 GHz	32.98 dBµV/m	54 dBµV/m	-21.02 dB	Pass	Vertical
4.8311 GHz	31.29 dBµV/m	54 dBµV/m	-22.71 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11g, CH1, 2412 MHz, OFDM, 6Mbps
 Test Date: 2023-08-29
 Note: lower bandedge

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RadiMation



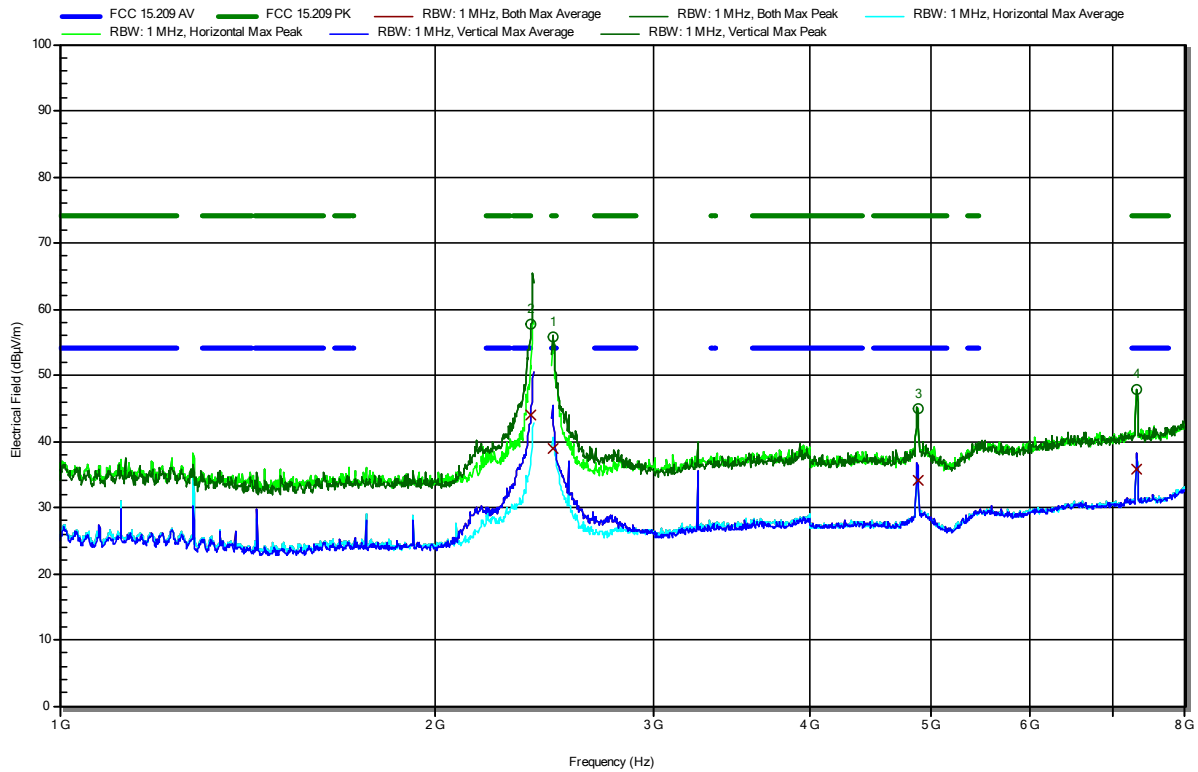
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3898 GHz	69.3 dBµV/m	74 dBµV/m	-4.7 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3898 GHz	48.24 dBµV/m	54 dBµV/m	-5.76 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11g, CH6, 2437 MHz, OFDM, 6Mbps
 Test Date: 2023-08-29
 Note:

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RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3868 GHz	57.69 dBµV/m	74 dBµV/m	-16.31 dB	Pass	Vertical
2.486 GHz	55.77 dBµV/m	74 dBµV/m	-18.23 dB	Pass	Vertical
4.8783 GHz	44.91 dBµV/m	74 dBµV/m	-29.09 dB	Pass	Horizontal
7.3032 GHz	47.83 dBµV/m	74 dBµV/m	-26.17 dB	Pass	Horizontal

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3868 GHz	43.88 dBµV/m	54 dBµV/m	-10.12 dB	Pass	Vertical
2.486 GHz	39.02 dBµV/m	54 dBµV/m	-14.98 dB	Pass	Vertical
4.8783 GHz	34.08 dBµV/m	54 dBµV/m	-19.92 dB	Pass	Horizontal
7.3032 GHz	35.86 dBµV/m	54 dBµV/m	-18.14 dB	Pass	Horizontal

Test Report No.: G0M-2302-1881-TFC247WF-W260-V03

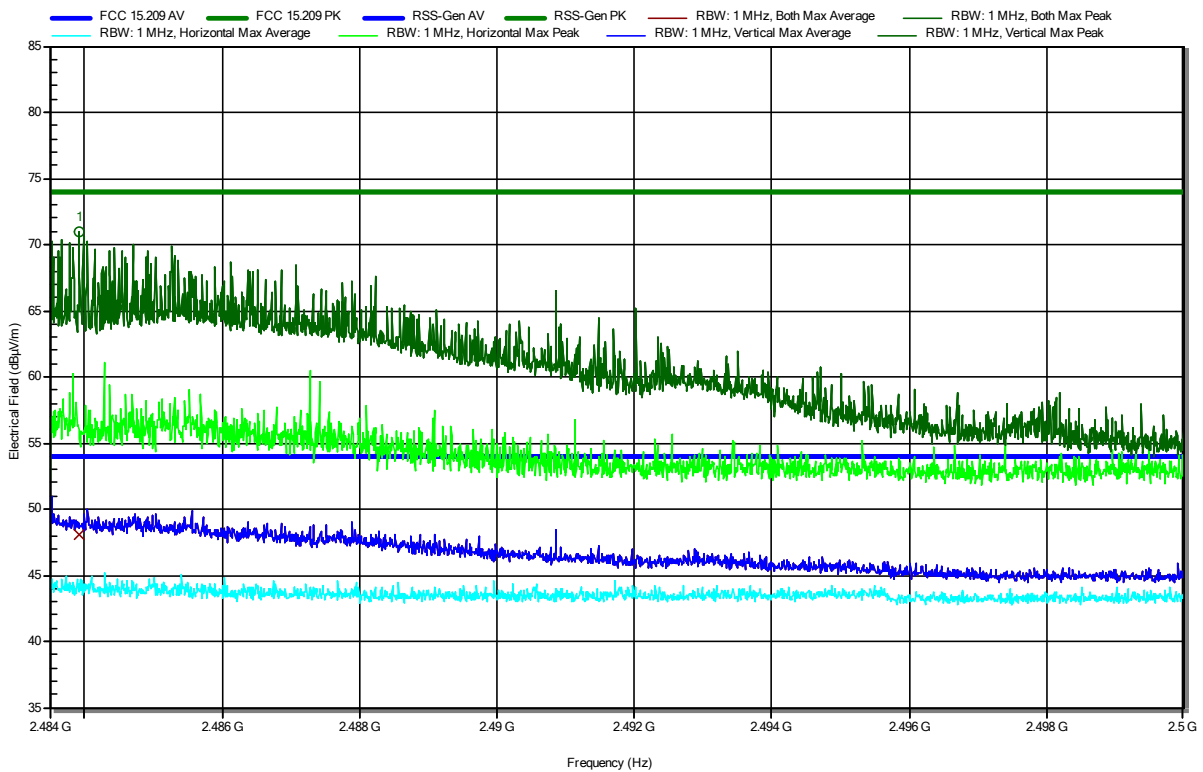
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11g, CH11, 2462 MHz, OFDM, 6Mbps
 Test Date: 2023-08-29
 Note: upper bandedge

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RadiMation



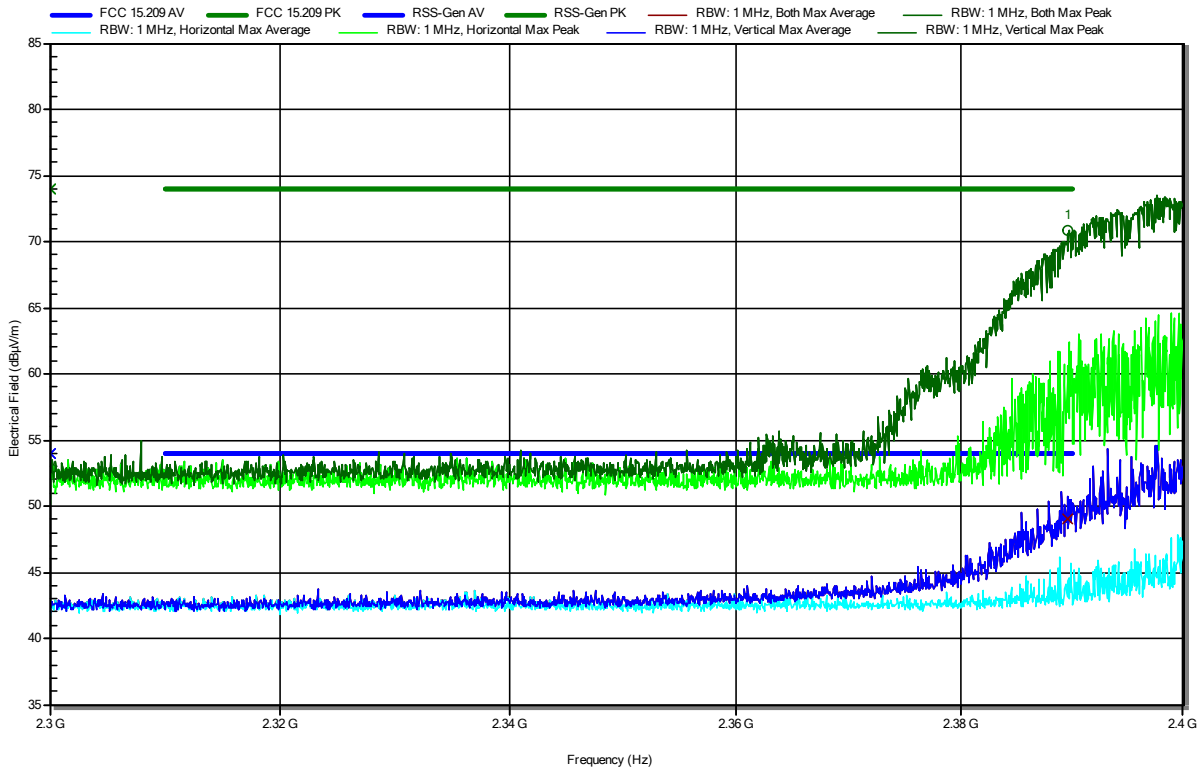
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4839 GHz	70.94 dBµV/m	74 dBµV/m	-3.06 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4839 GHz	48.12 dBµV/m	54 dBµV/m	-5.88 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11n, CH1, 2412 MHz, HT20, MCS2
 Test Date: 2023-08-29
 Note: lower bandedge

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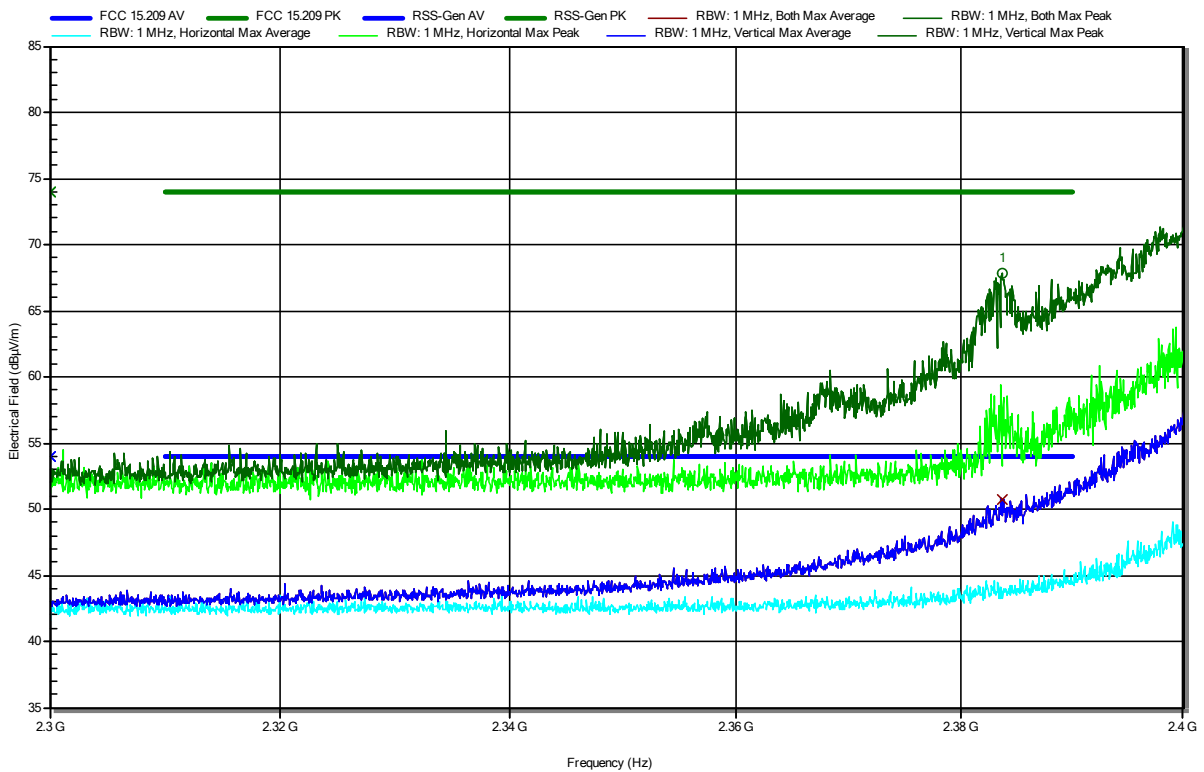
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3897 GHz	70.84 dBµV/m	74 dBµV/m	-3.16 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3897 GHz	49.05 dBµV/m	54 dBµV/m	-4.95 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11n, CH6, 2437 MHz, HT20, MCS2
 Test Date: 2023-08-29
 Note: lower bandedge

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RadiMation



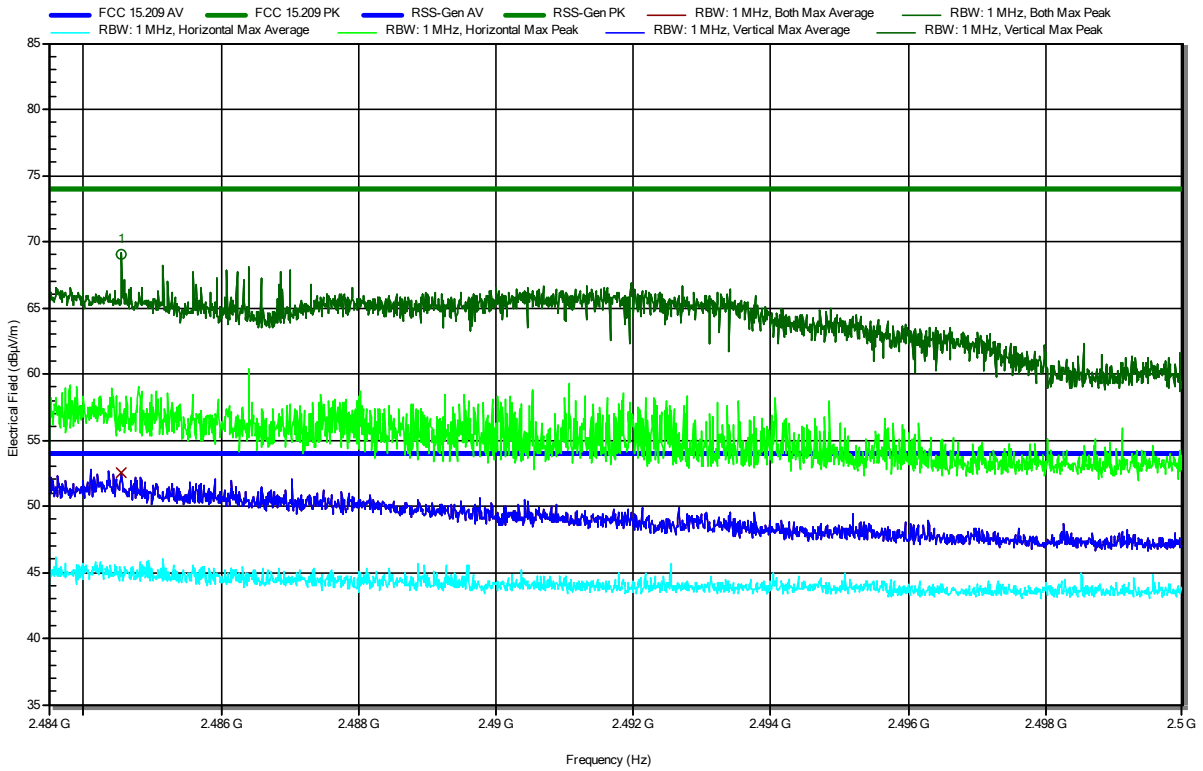
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3837 GHz	67.88 dBµV/m	74 dBµV/m	-6.12 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3837 GHz	50.74 dBµV/m	54 dBµV/m	-3.26 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11n, CH6, 2437 MHz, HT20, MCS2
 Test Date: 2023-08-29
 Note: upper bandedge

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Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4846 GHz	69.1 dBµV/m	74 dBµV/m	-4.9 dB	Pass	Vertical

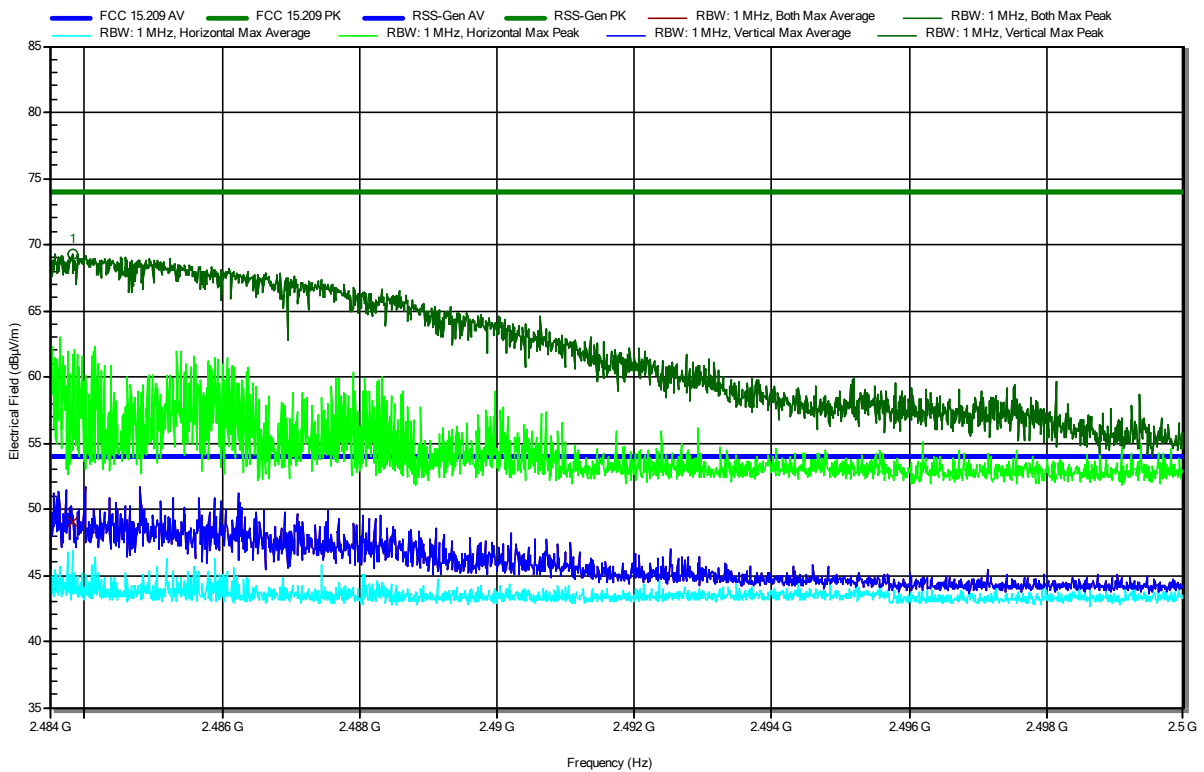
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4846 GHz	52.55 dBµV/m	54 dBµV/m	-1.45 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11n, CH11, 2462 MHz, HT20, MCS2
 Test Date: 2023-08-29
 Note: upper bandedge

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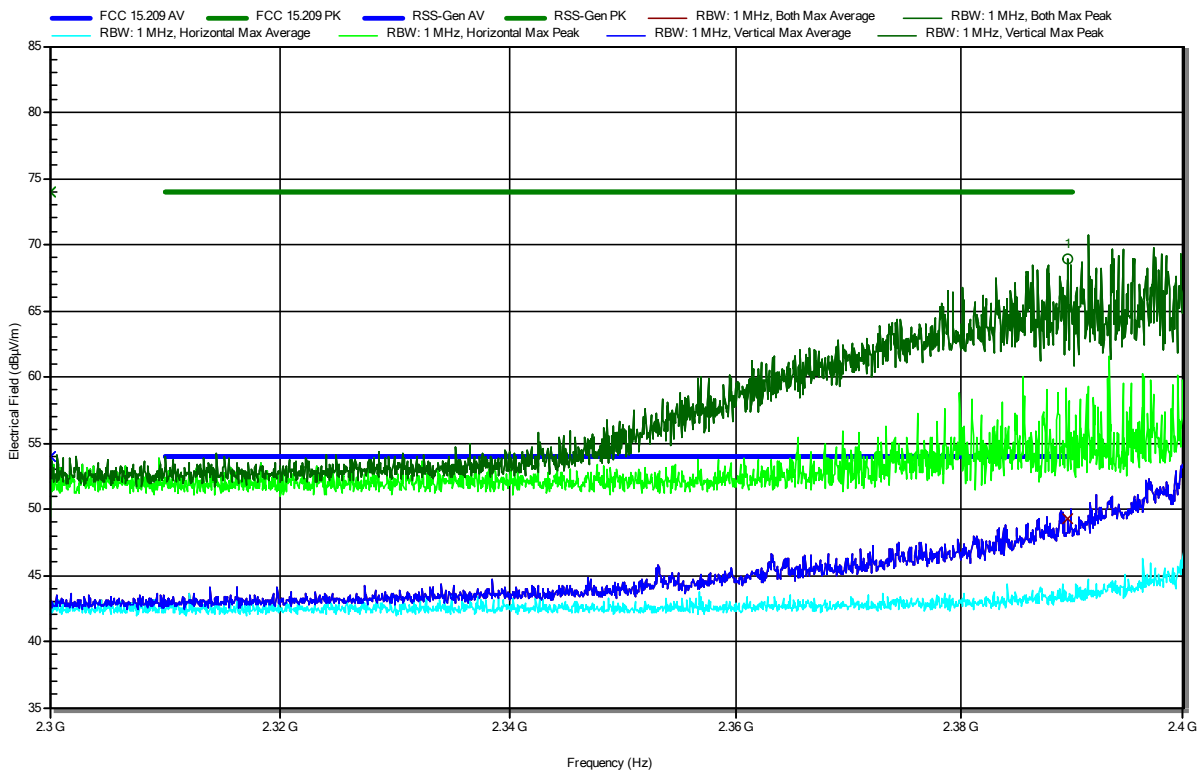
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4838 GHz	69.29 dBµV/m	74 dBµV/m	-4.71 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4838 GHz	48.98 dBµV/m	54 dBµV/m	-5.02 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11n, CH3, 2422 MHz, HT40, MCS2
 Test Date: 2023-08-29
 Note: lower bandedge

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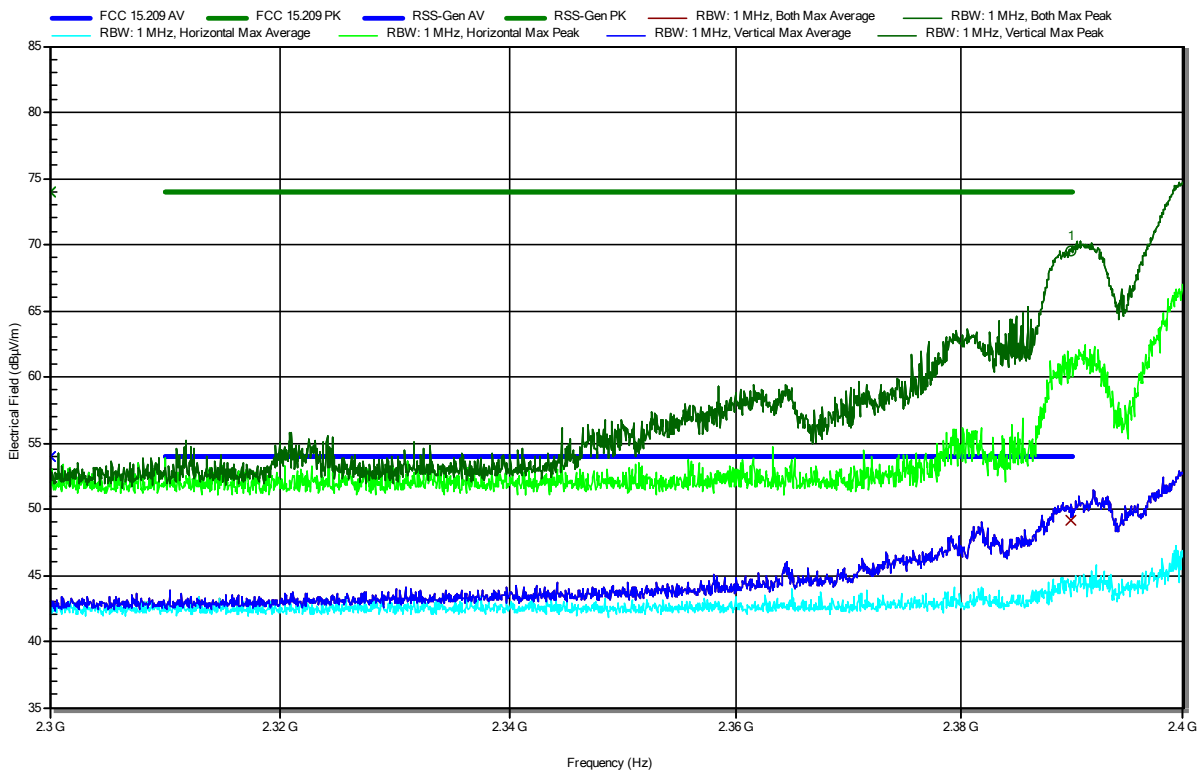
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3896 GHz	68.86 dBµV/m	74 dBµV/m	-5.14 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3896 GHz	49.26 dBµV/m	54 dBµV/m	-4.74 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11n, CH6, 2437 MHz, HT40, MCS2
 Test Date: 2023-08-29
 Note: lower bandedge

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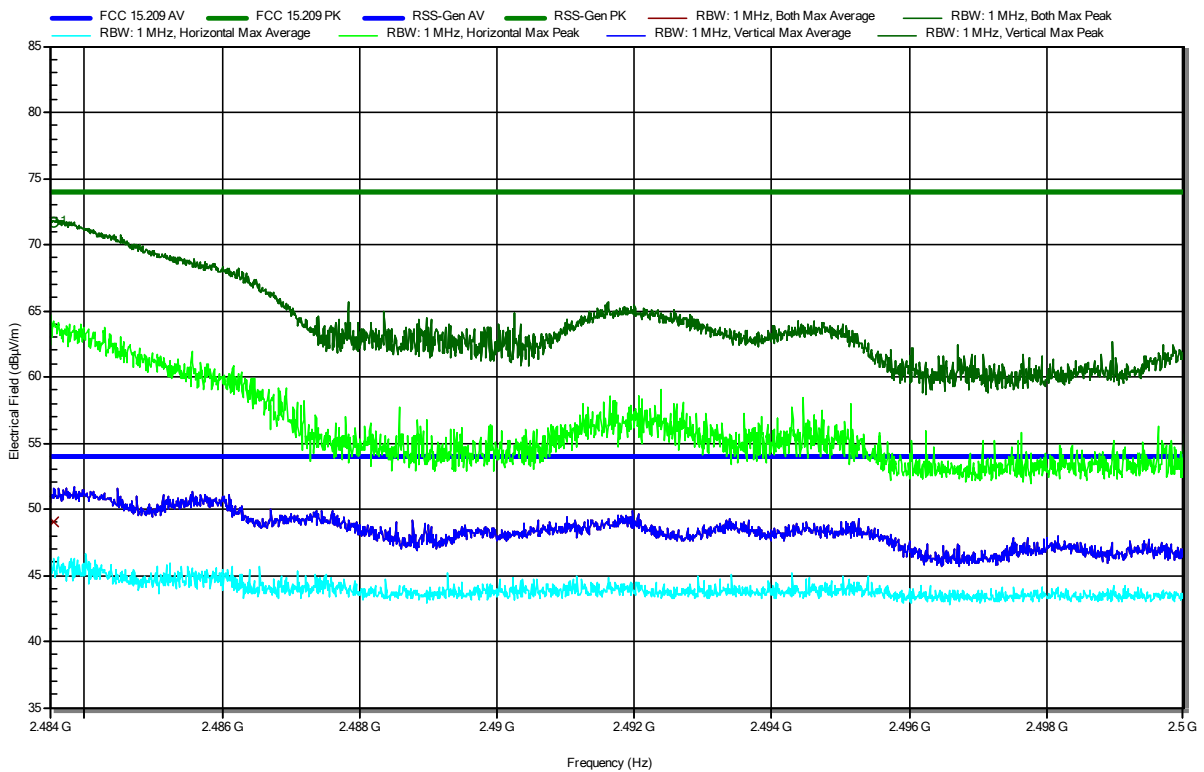
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3898 GHz	69.5 dBµV/m	74 dBµV/m	-4.5 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3898 GHz	49.12 dBµV/m	54 dBµV/m	-4.88 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11n, CH6, 2437 MHz, HT40, MCS2
 Test Date: 2023-08-29
 Note: upper bandedge

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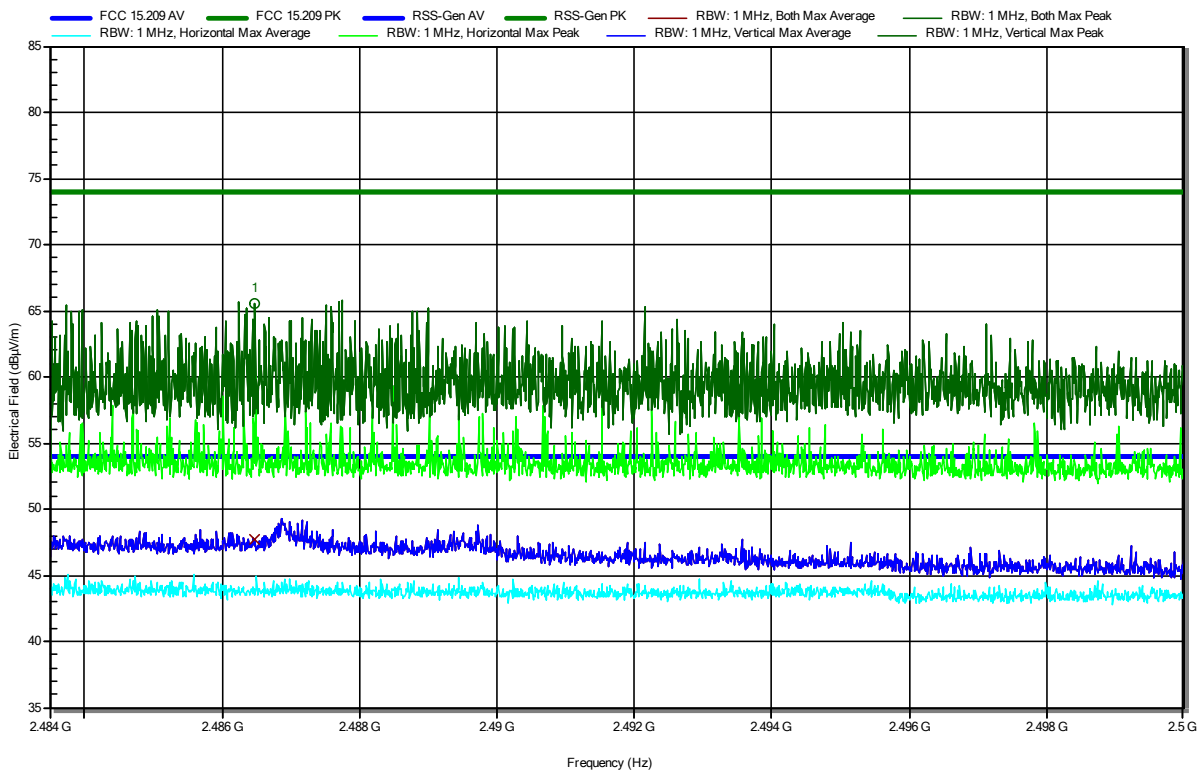
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4836 GHz	71.69 dBµV/m	74 dBµV/m	-2.31 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4836 GHz	49.01 dBµV/m	54 dBµV/m	-4.99 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11n, CH9, 2452 MHz, HT40, MCS2
 Test Date: 2023-08-29
 Note: upper bandedge

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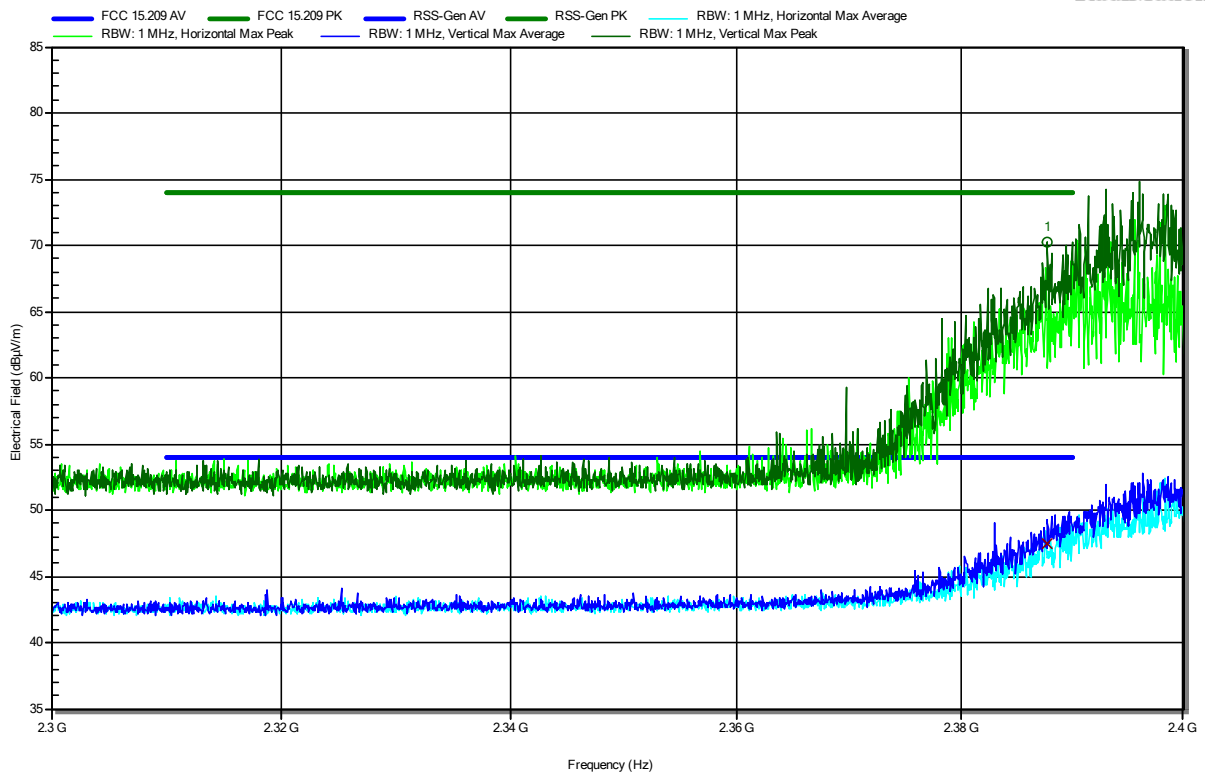
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4865 GHz	65.6 dBµV/m	74 dBµV/m	-8.4 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4865 GHz	47.71 dBµV/m	54 dBµV/m	-6.29 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch1, 2412 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note: lower bandedge

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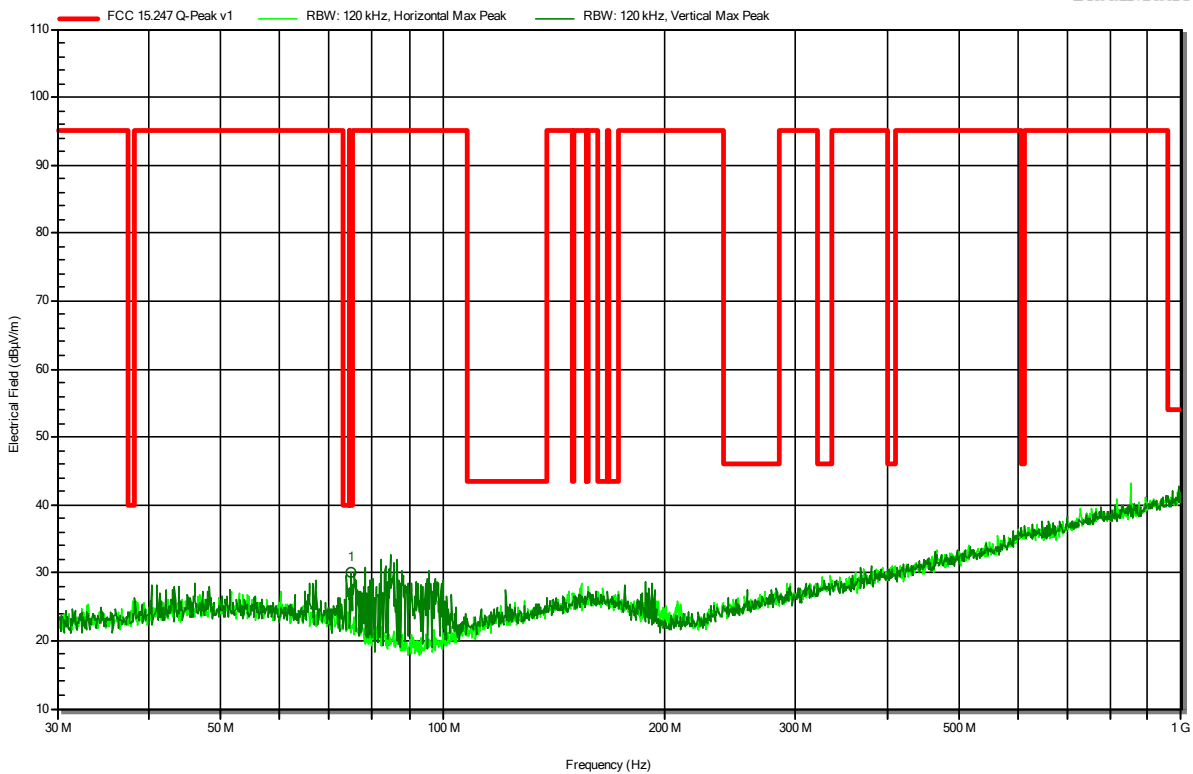
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3877 GHz	70.25 dBµV/m	74 dBµV/m	-3.75 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3877 GHz	47.45 dBµV/m	54 dBµV/m	-6.55 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch1, 2412 GHz, MCS0, HE20
 Test Date: 2023-11-11
 Note:

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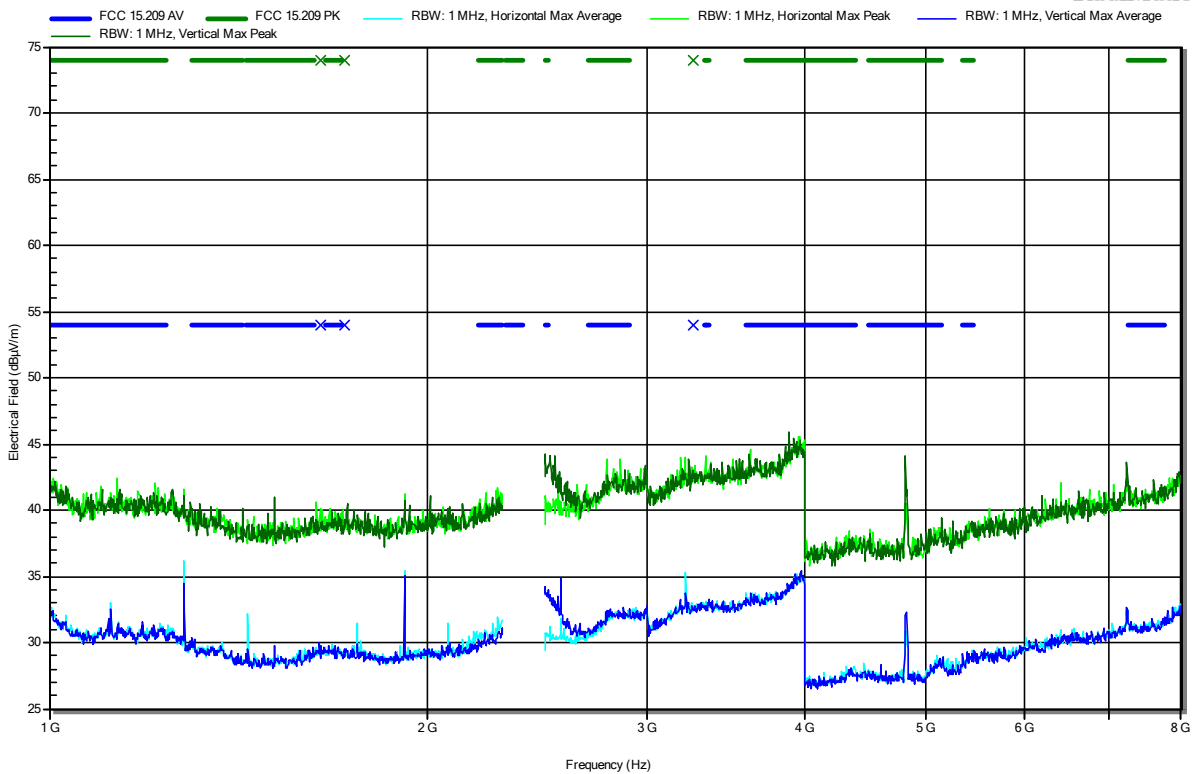
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
74.9433 MHz	30 dBµV/m	40 dBµV/m	-10 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch1, 2412 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note:

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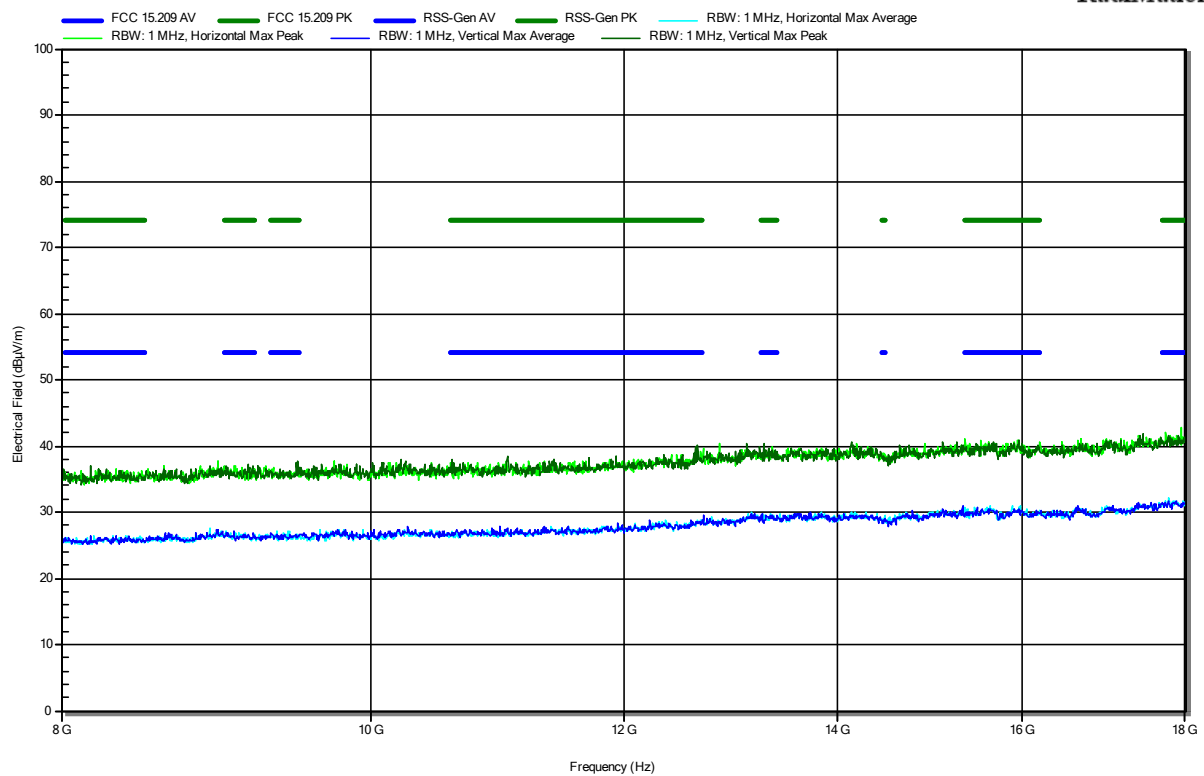
RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch1, 2437 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note:

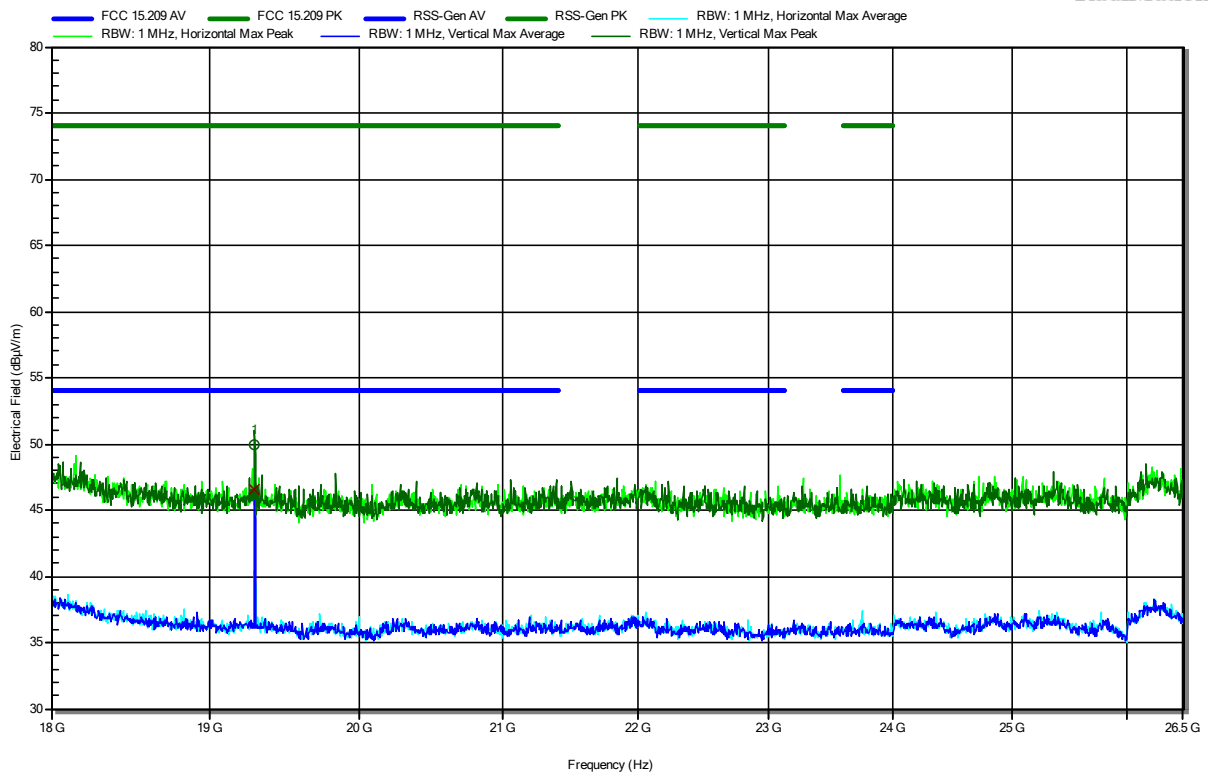
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Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch1, 2412 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note:

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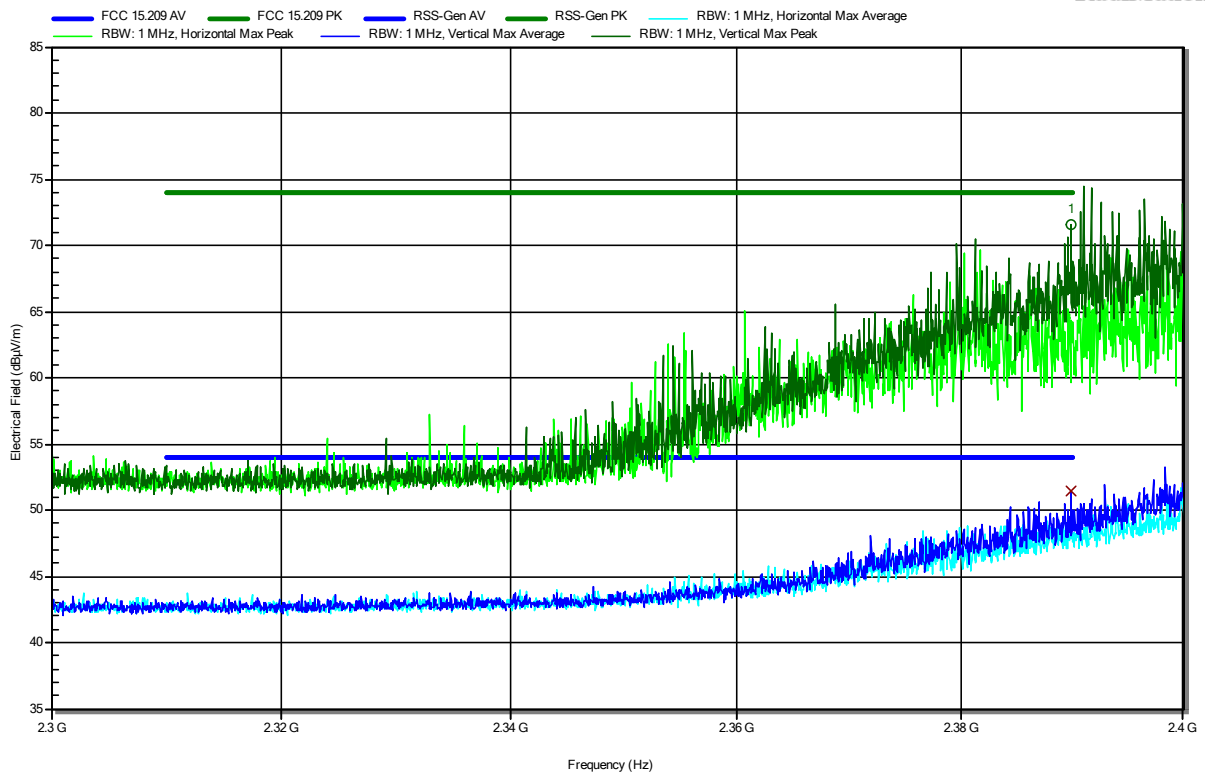
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
19.296 GHz	49.89 dBµV/m	74 dBµV/m	-24.11 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
19.296 GHz	46.56 dBµV/m	54 dBµV/m	-7.44 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch3, 2422 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note: lower bandedge

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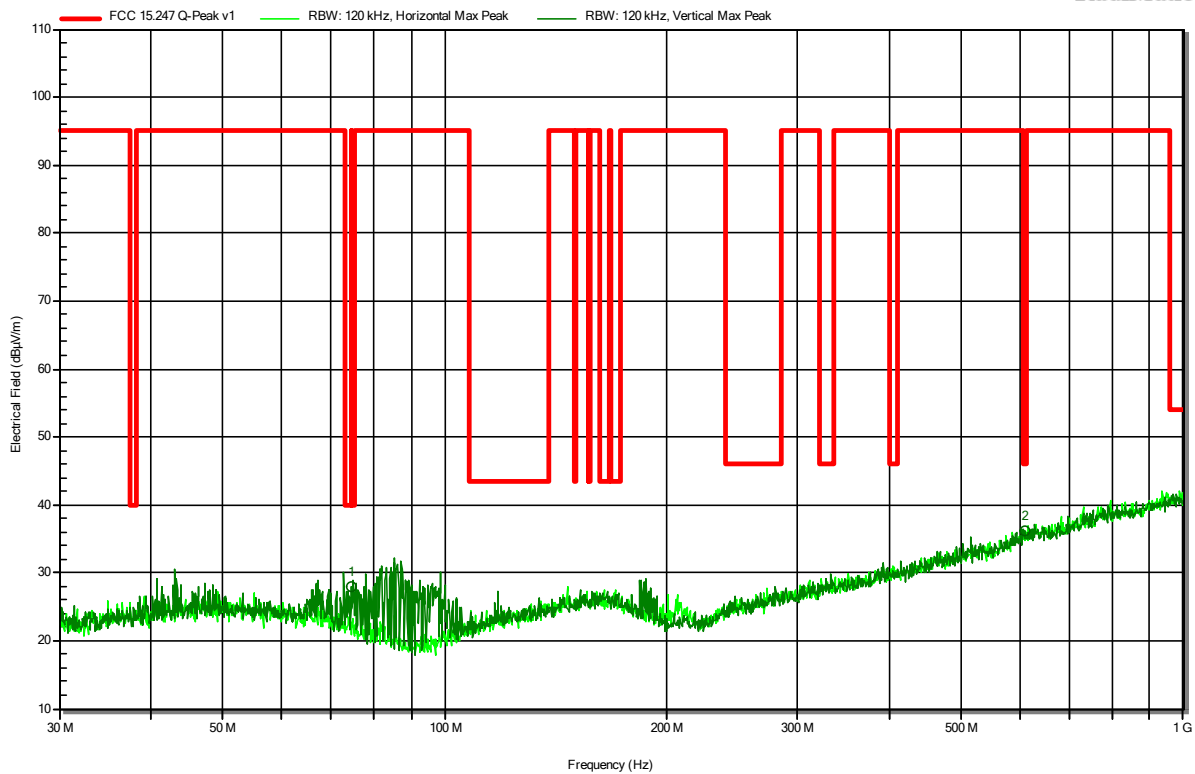


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3899 GHz	71.62 dBµV/m	74 dBµV/m	-2.38 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3899 GHz	51.49 dBµV/m	54 dBµV/m	-2.51 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch3, 2422 GHz, MCS0, HE40
 Test Date: 2023-11-11
 Note:

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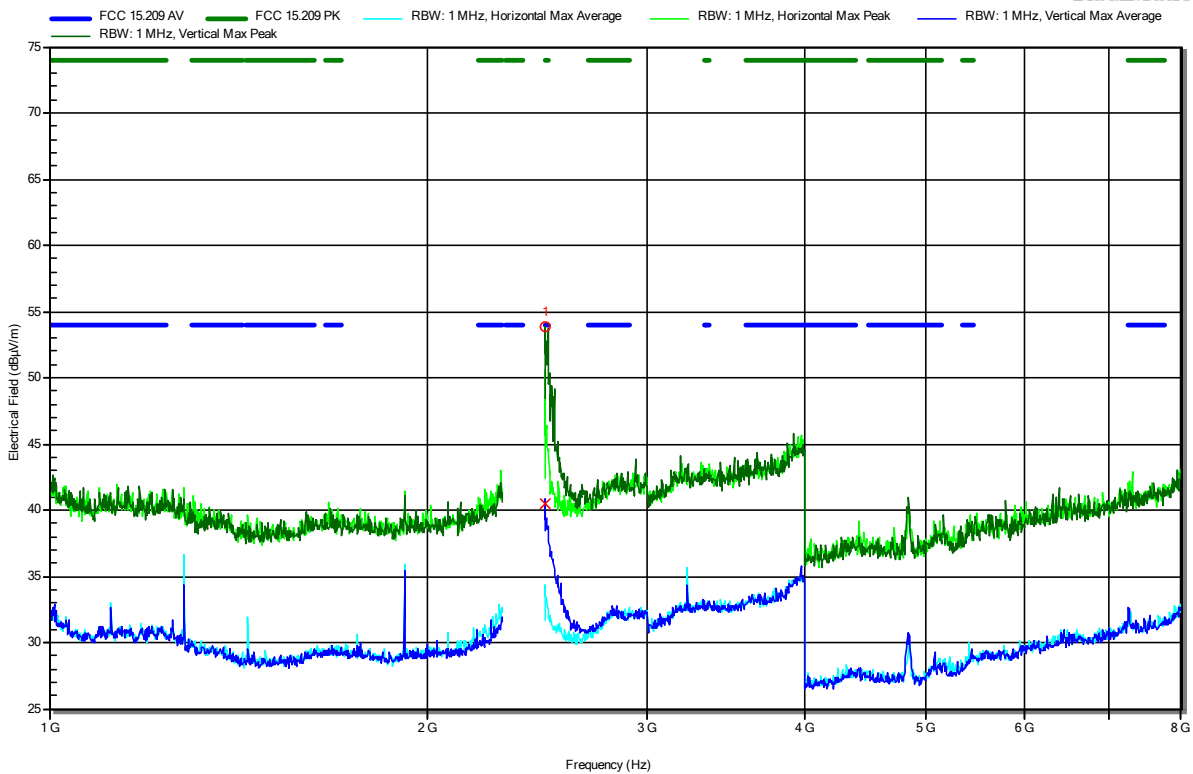
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
74.5553 MHz	28 dBµV/m	40 dBµV/m	-11.96 dB	Pass	Vertical
609.963 MHz	36.1 dBµV/m	46 dBµV/m	-9.87 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch3, 2422 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note:

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RadiMation



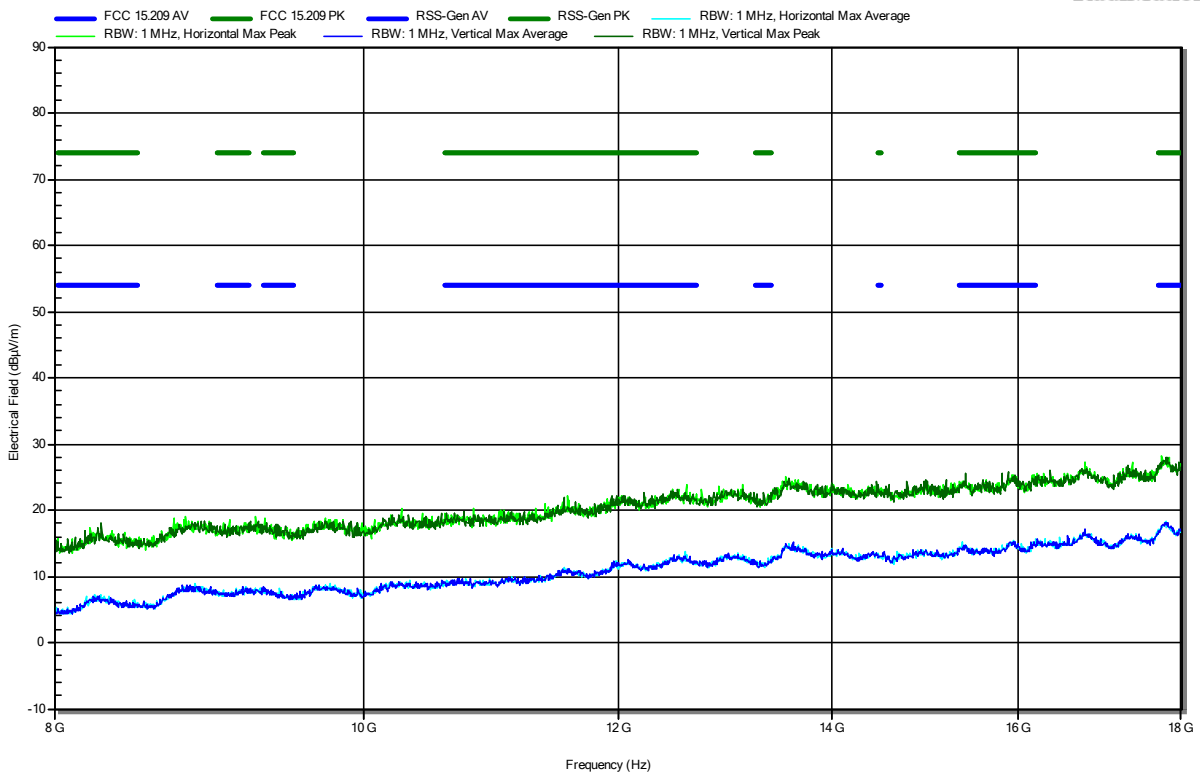
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.484 GHz	53.89 dBµV/m	74 dBµV/m	-20.11 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.484 GHz	40.44 dBµV/m	54 dBµV/m	-13.56 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch3, 2422 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note:

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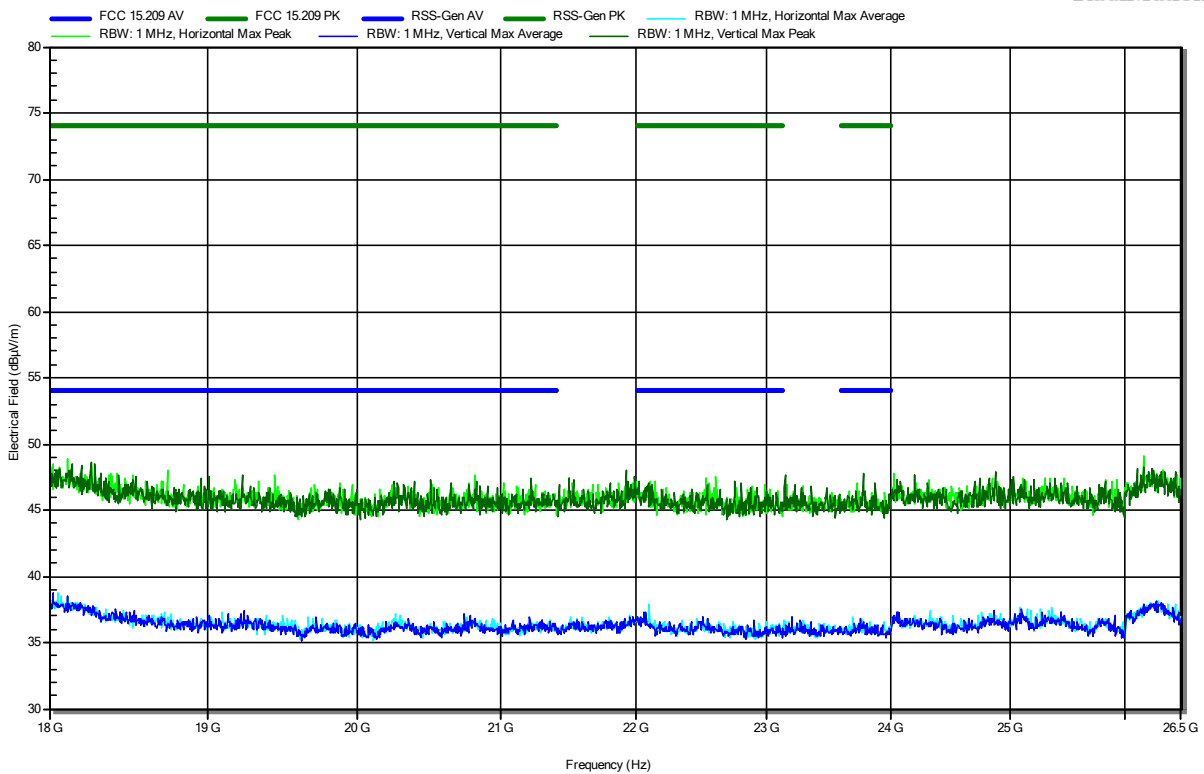
RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch3, 2422 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note:

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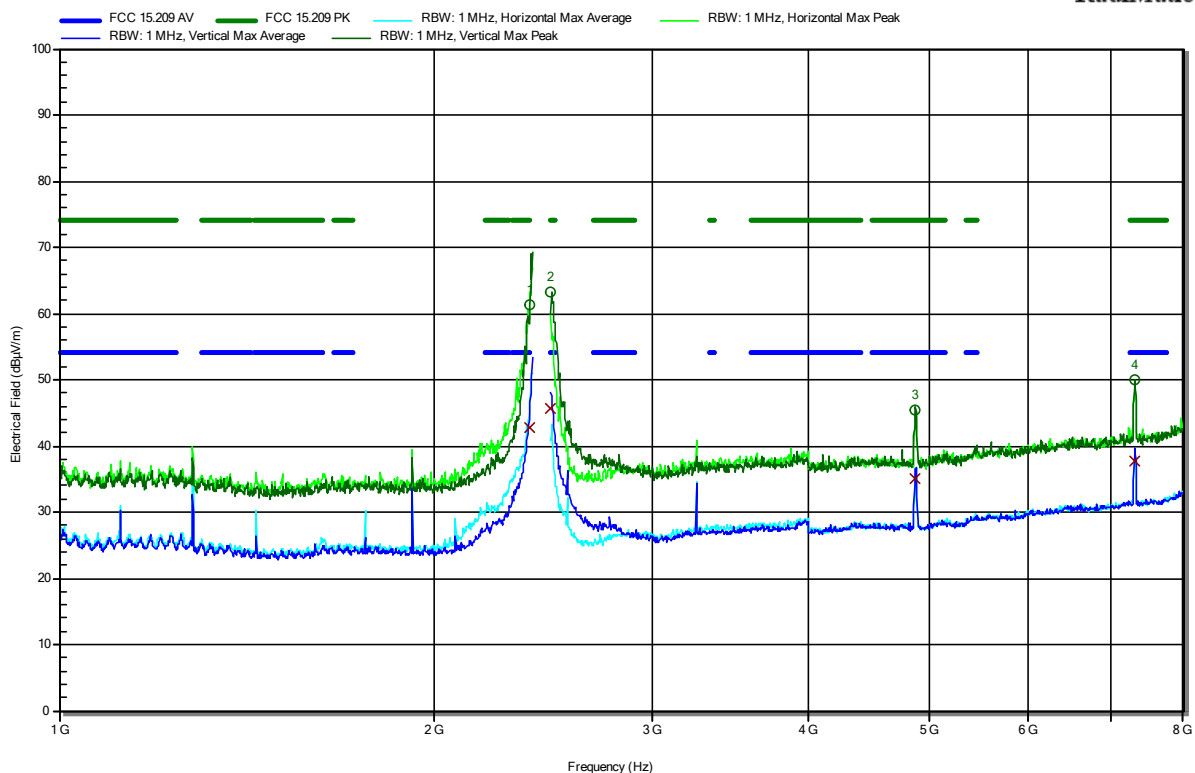


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch6, 2437 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note:

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Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3877 GHz	61.41 dBµV/m	74 dBµV/m	-12.59 dB	Pass	Vertical
2.4837 GHz	63.3 dBµV/m	74 dBµV/m	-10.7 dB	Pass	Vertical
4.8687 GHz	45.46 dBµV/m	74 dBµV/m	-28.54 dB	Pass	Vertical
7.3063 GHz	49.92 dBµV/m	74 dBµV/m	-24.08 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3877 GHz	42.68 dBµV/m	54 dBµV/m	-11.32 dB	Pass	Vertical
2.4837 GHz	45.75 dBµV/m	54 dBµV/m	-8.25 dB	Pass	Vertical
4.8687 GHz	35.06 dBµV/m	54 dBµV/m	-18.94 dB	Pass	Vertical
7.3063 GHz	37.6 dBµV/m	54 dBµV/m	-16.4 dB	Pass	Vertical

Test Report No.: G0M-2302-1881-TFC247WF-W260-V03

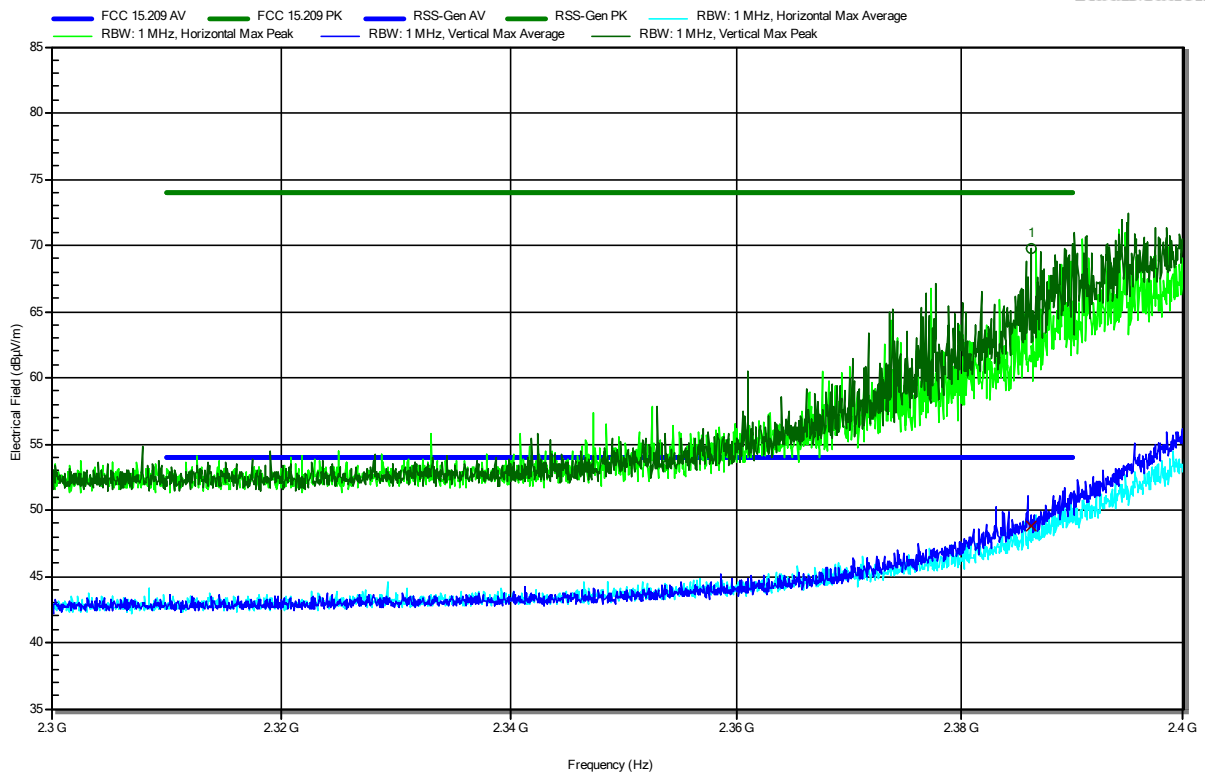
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch6, 2437 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note: lower bandedge

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RadiMation



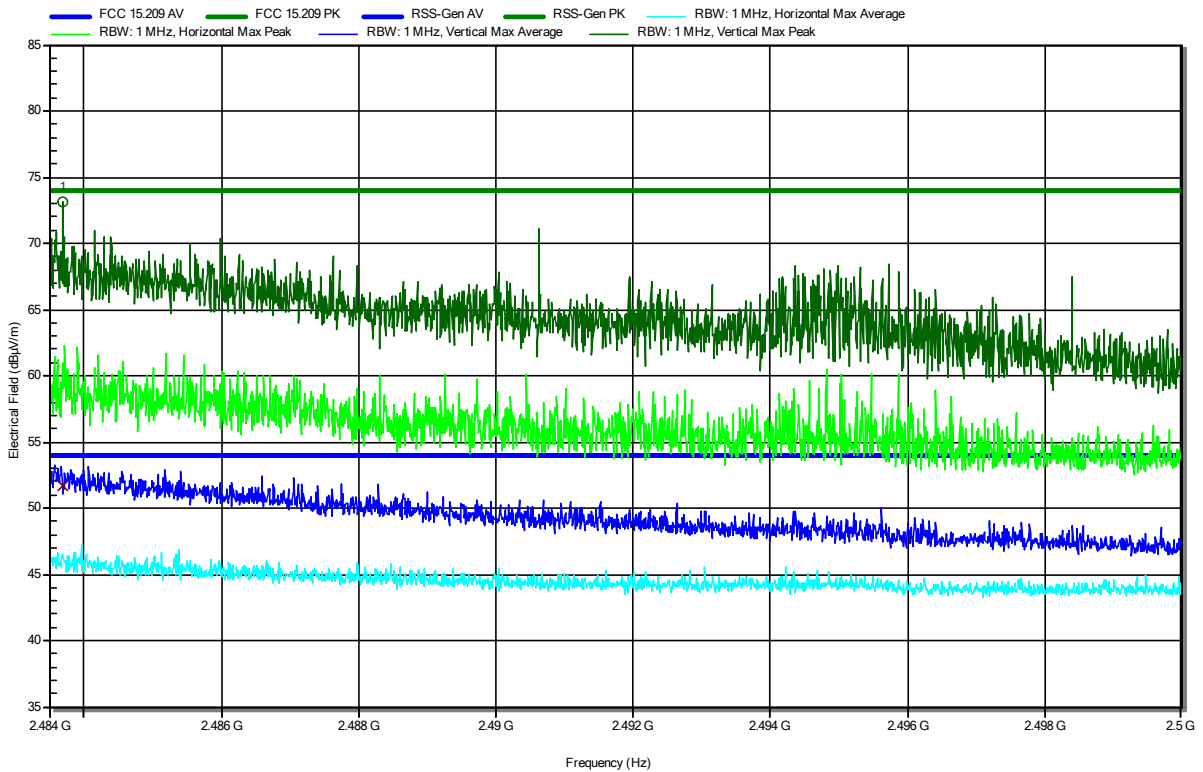
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3863 GHz	69.71 dBµV/m	74 dBµV/m	-4.29 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3863 GHz	48.74 dBµV/m	54 dBµV/m	-5.26 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch6, 2437 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note: upper bandedge

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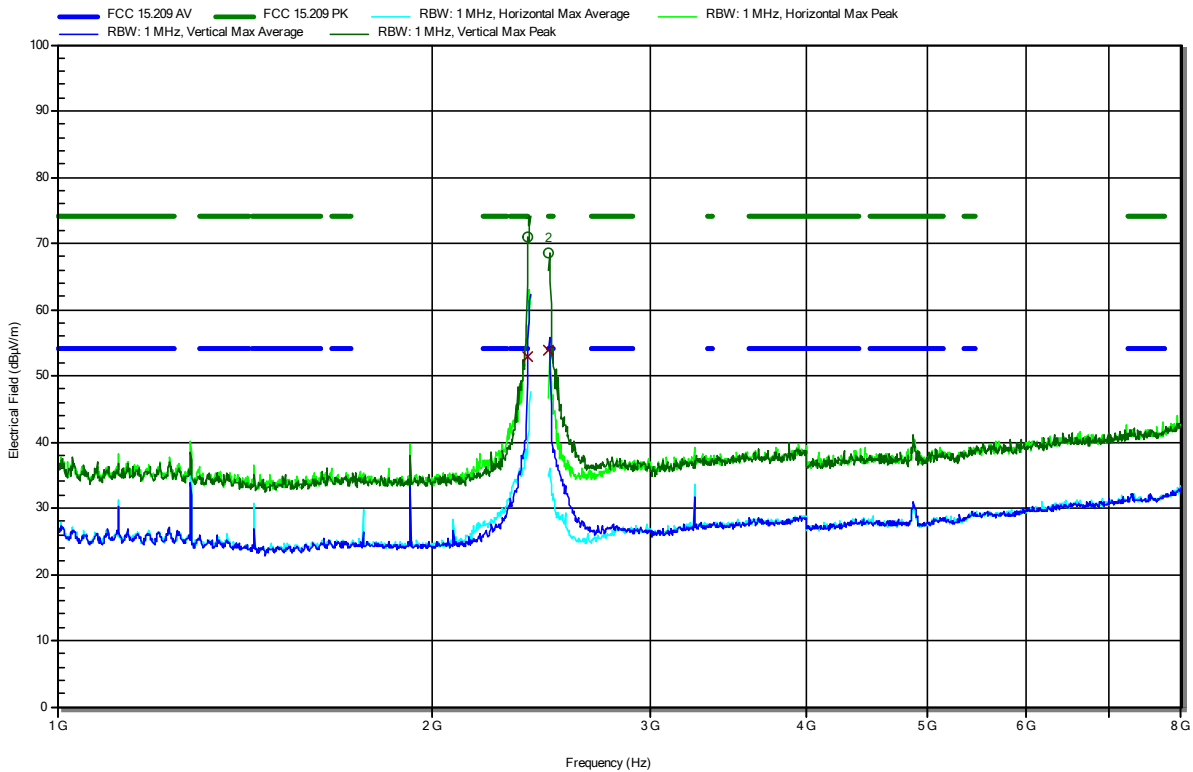
RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4837 GHz	73.08 dBµV/m	74 dBµV/m	-0.92 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4837 GHz	51.71 dBµV/m	54 dBµV/m	-2.29 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch6, 2437 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3884 GHz	70.87 dBµV/m	74 dBµV/m	-3.13 dB	Pass	Vertical
2.484 GHz	68.59 dBµV/m	74 dBµV/m	-5.41 dB	Pass	Vertical

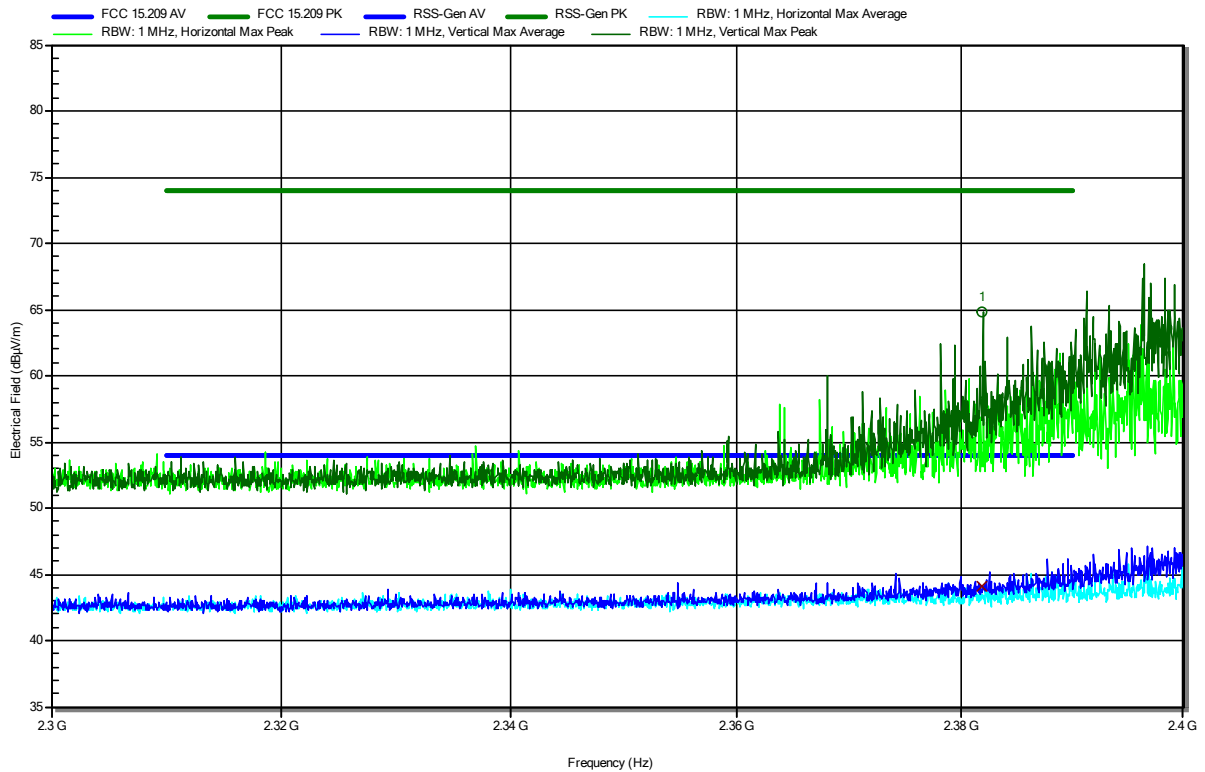
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3884 GHz	52.98 dBµV/m	54 dBµV/m	-1.02 dB	Pass	Vertical
2.484 GHz	53.84 dBµV/m	54 dBµV/m	-0.16 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch6, 2437 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note: lower bandedge

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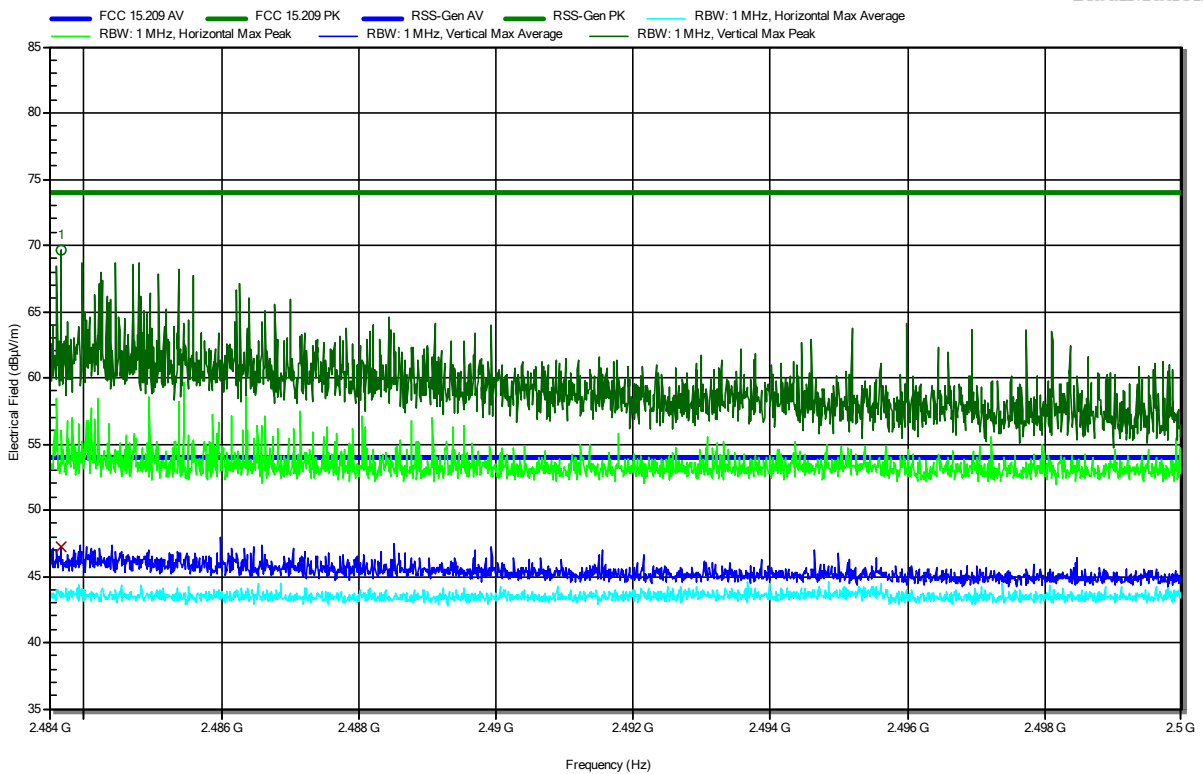
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3819 GHz	64.76 dBµV/m	74 dBµV/m	-9.24 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3819 GHz	44.12 dBµV/m	54 dBµV/m	-9.88 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch6, 2437 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note: upper bandedge

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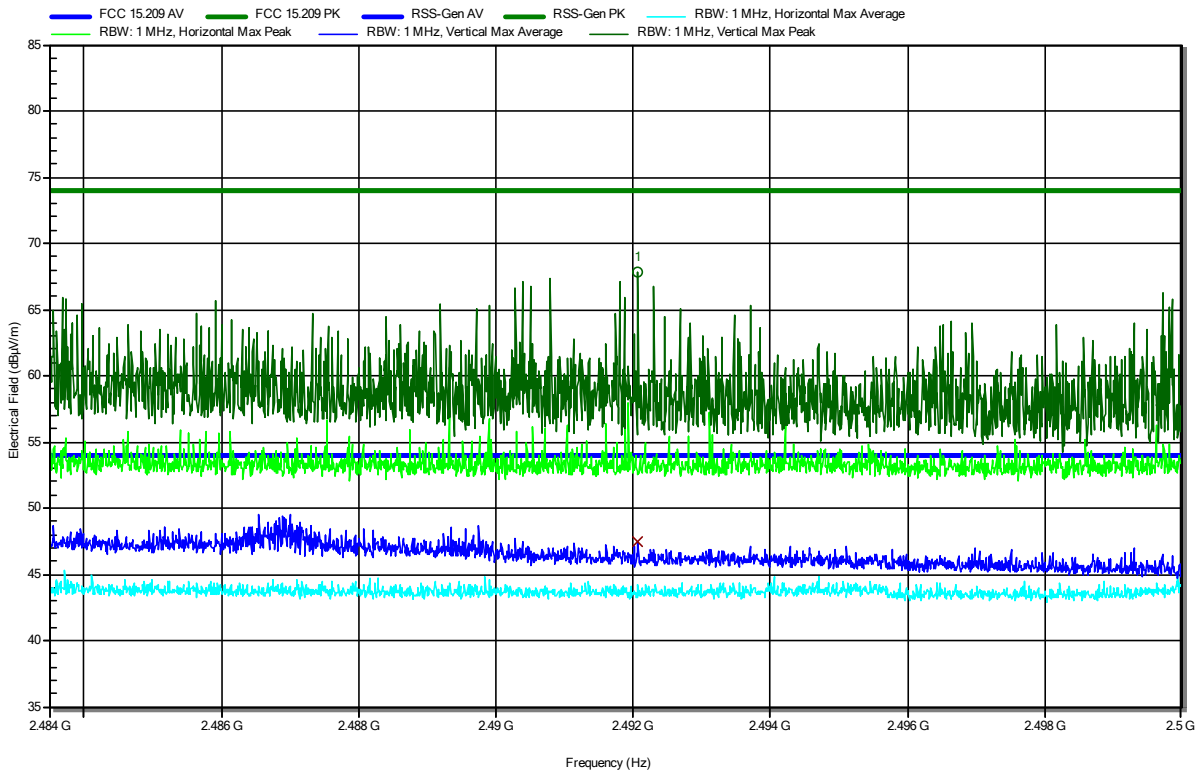
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4837 GHz	69.62 dBµV/m	74 dBµV/m	-4.38 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4837 GHz	47.22 dBµV/m	54 dBµV/m	-6.78 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch9, 2452 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note: upper bandedge

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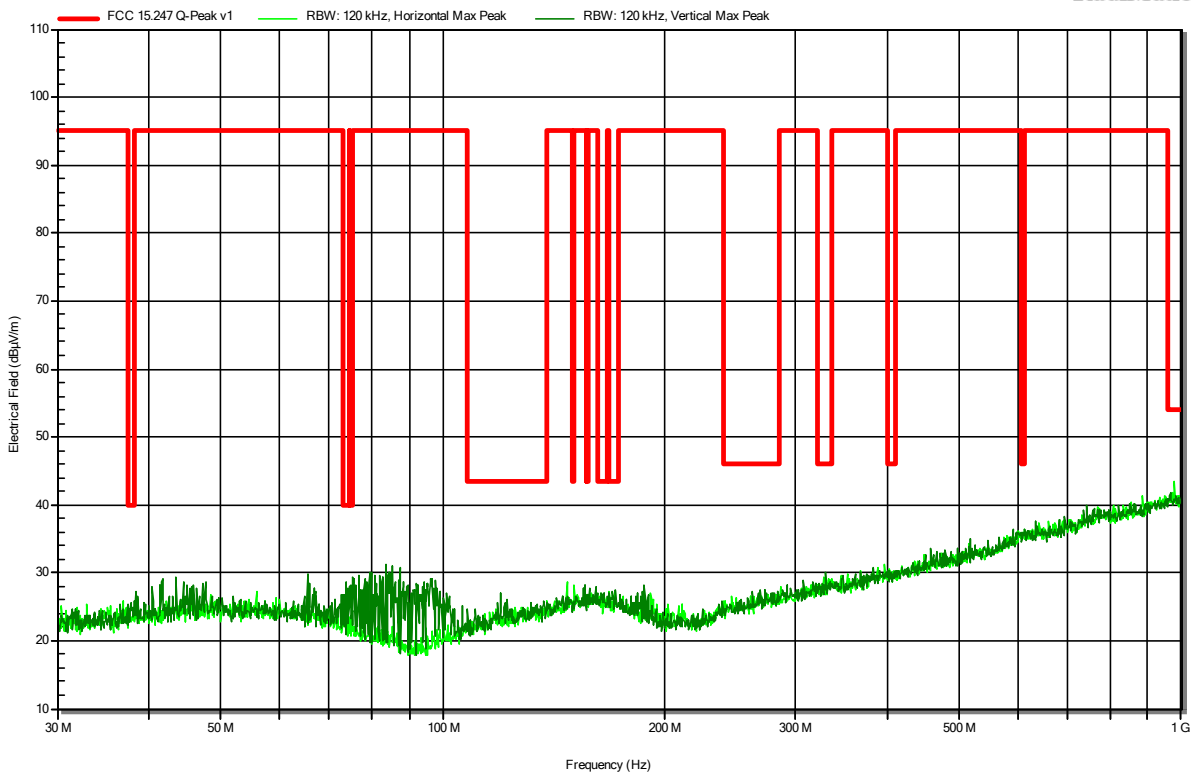


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4921 GHz	67.84 dBµV/m	74 dBµV/m	-6.16 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4921 GHz	47.45 dBµV/m	54 dBµV/m	-6.55 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch9, 2452 GHz, MCS0, HE40
 Test Date: 2023-11-11
 Note:

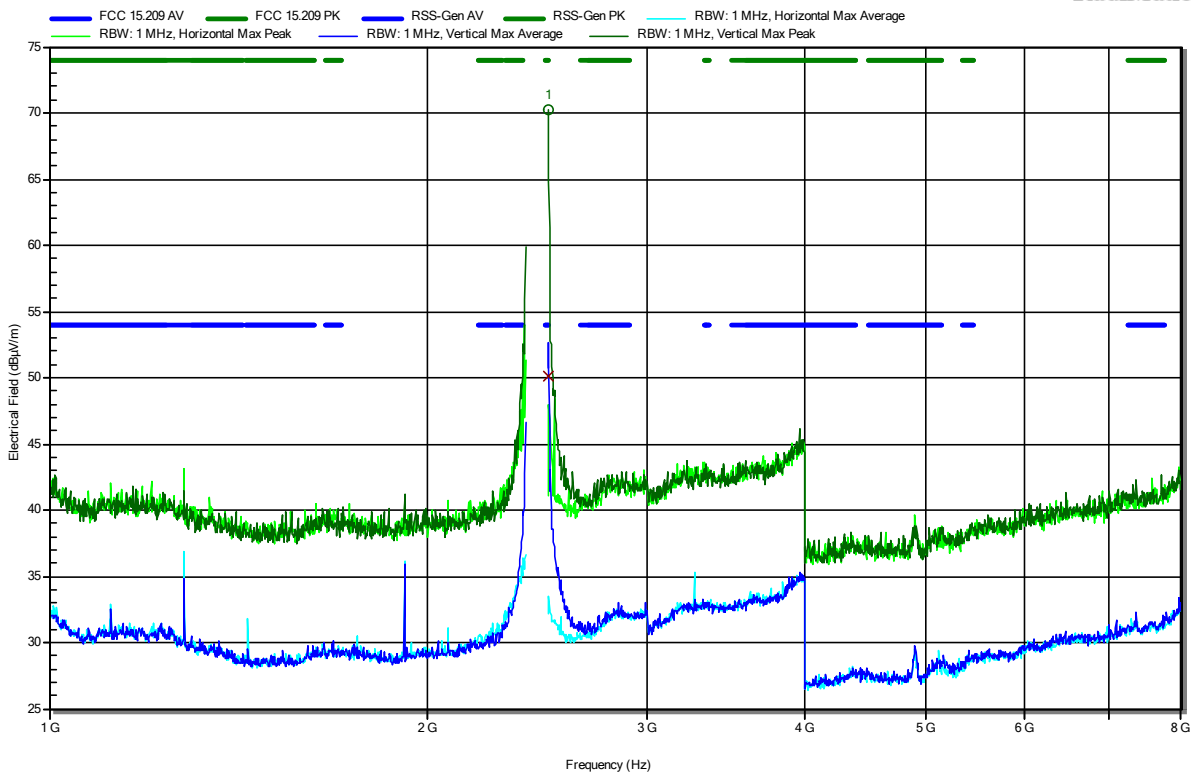
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Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch9, 2452 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note:

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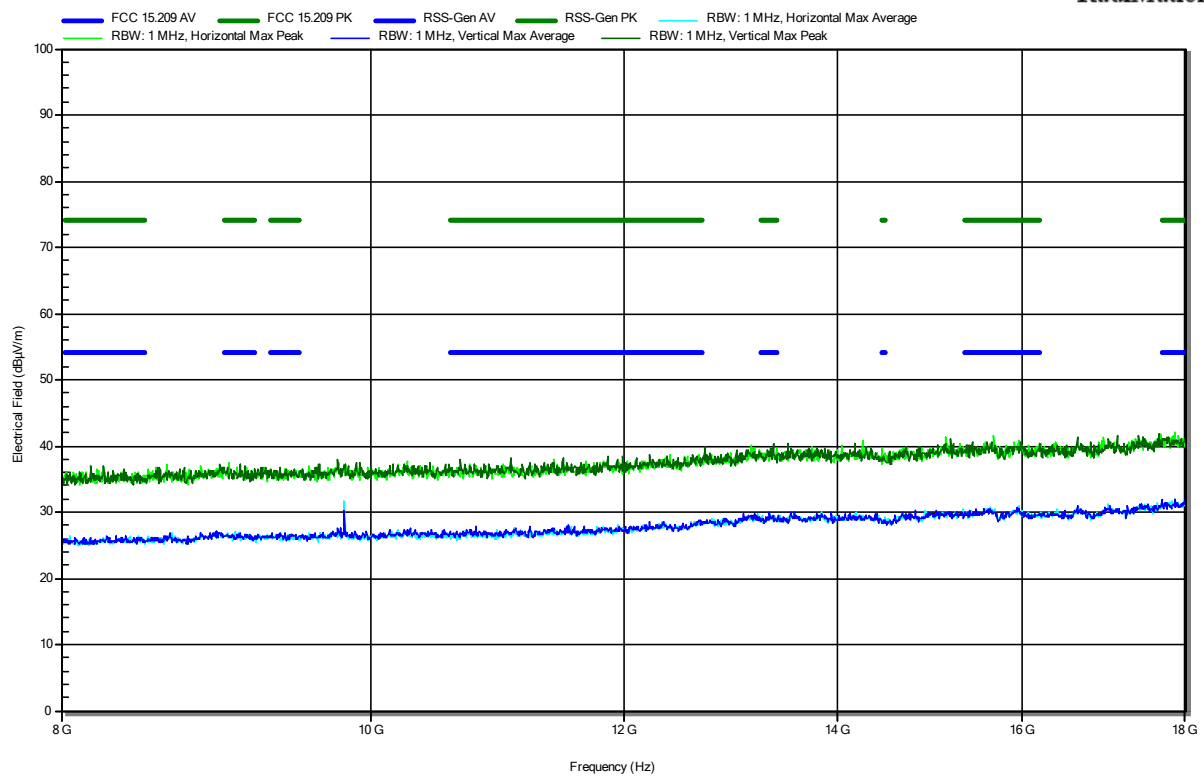
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.5 GHz	70.19 dBµV/m	74 dBµV/m	-3.81 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.5 GHz	50.18 dBµV/m	54 dBµV/m	-3.82 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch9, 2452 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note:

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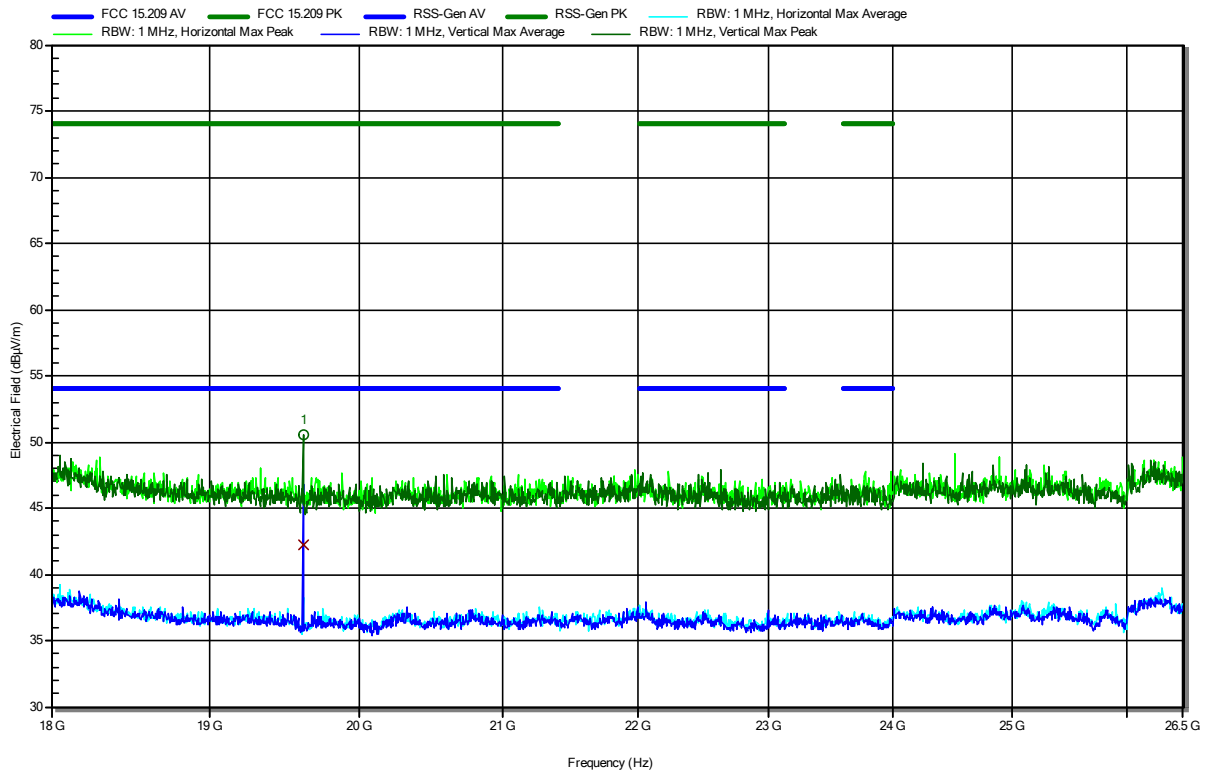


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch9, 2452 GHz, MCS0, HE40
 Test Date: 2023-11-10
 Note:

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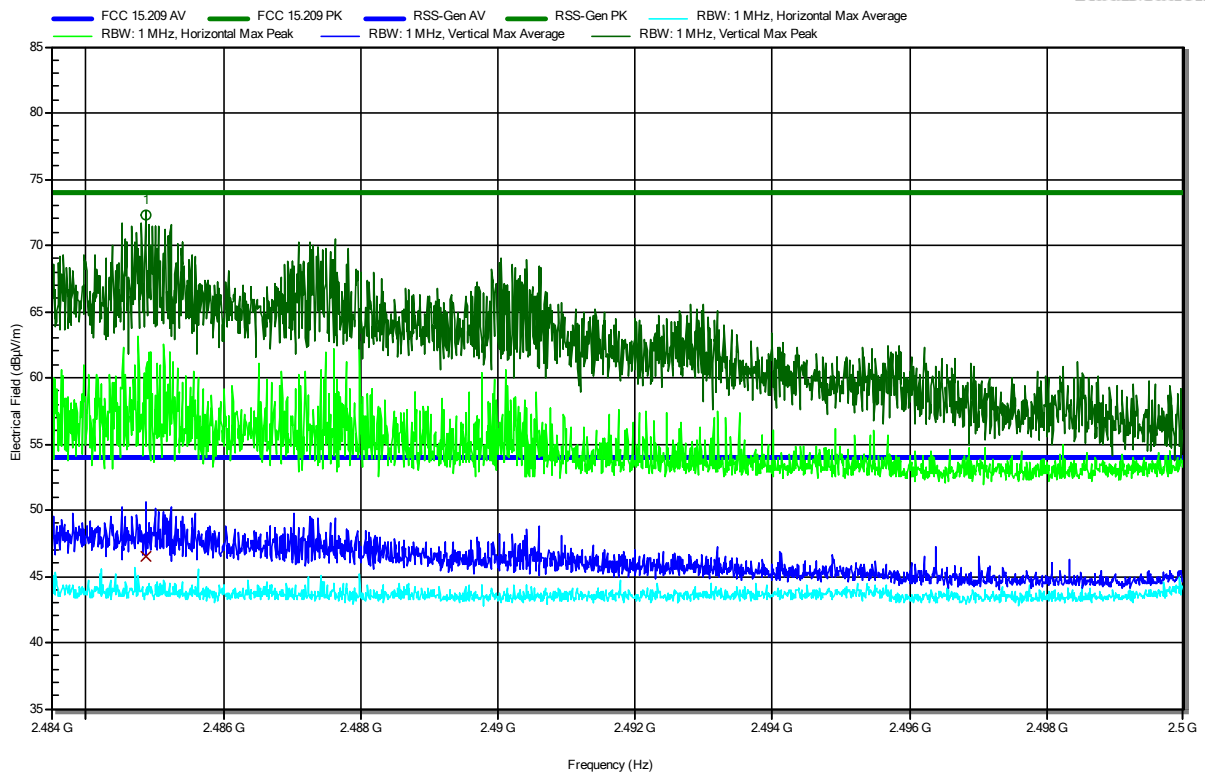


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
19.616 GHz	50.51 dBµV/m	74 dBµV/m	-23.49 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
19.616 GHz	42.18 dBµV/m	54 dBµV/m	-11.82 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch11, 2462 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note: upper bandedge

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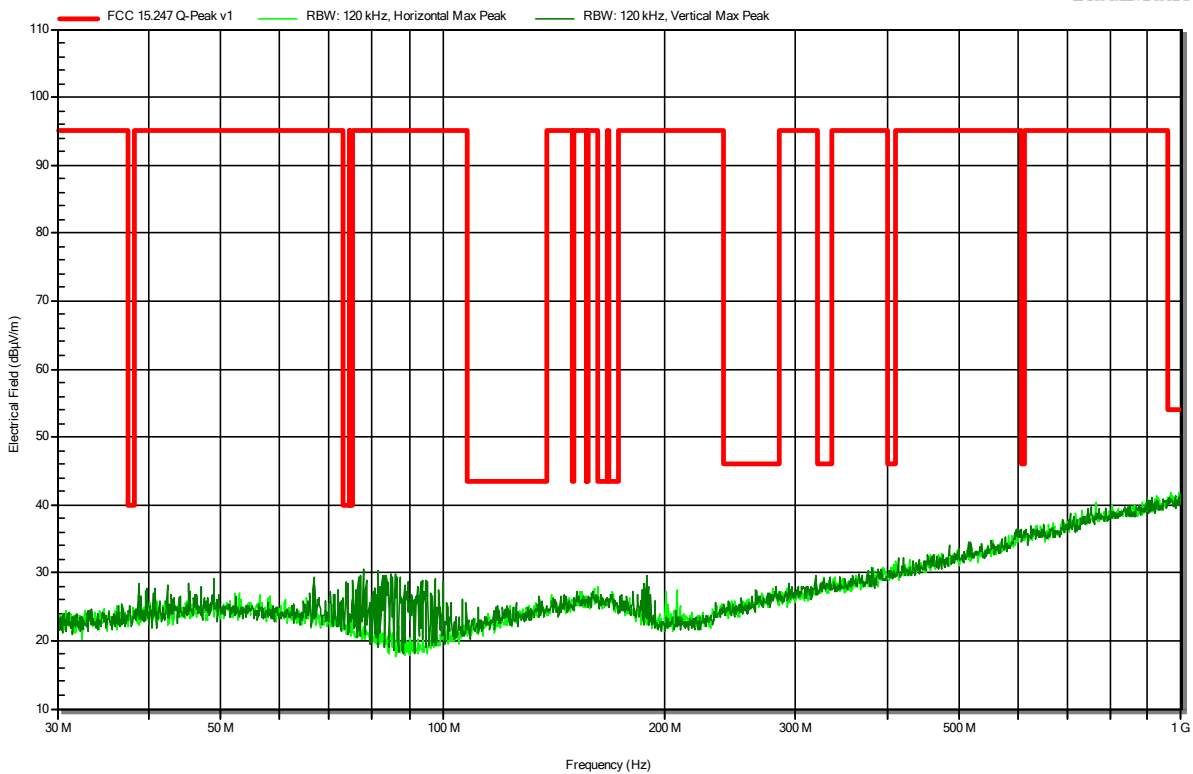
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4849 GHz	72.28 dBµV/m	74 dBµV/m	-1.72 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4849 GHz	46.53 dBµV/m	54 dBµV/m	-7.47 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch11, 2462 GHz, MCS0, HE20
 Test Date: 2023-11-11
 Note:

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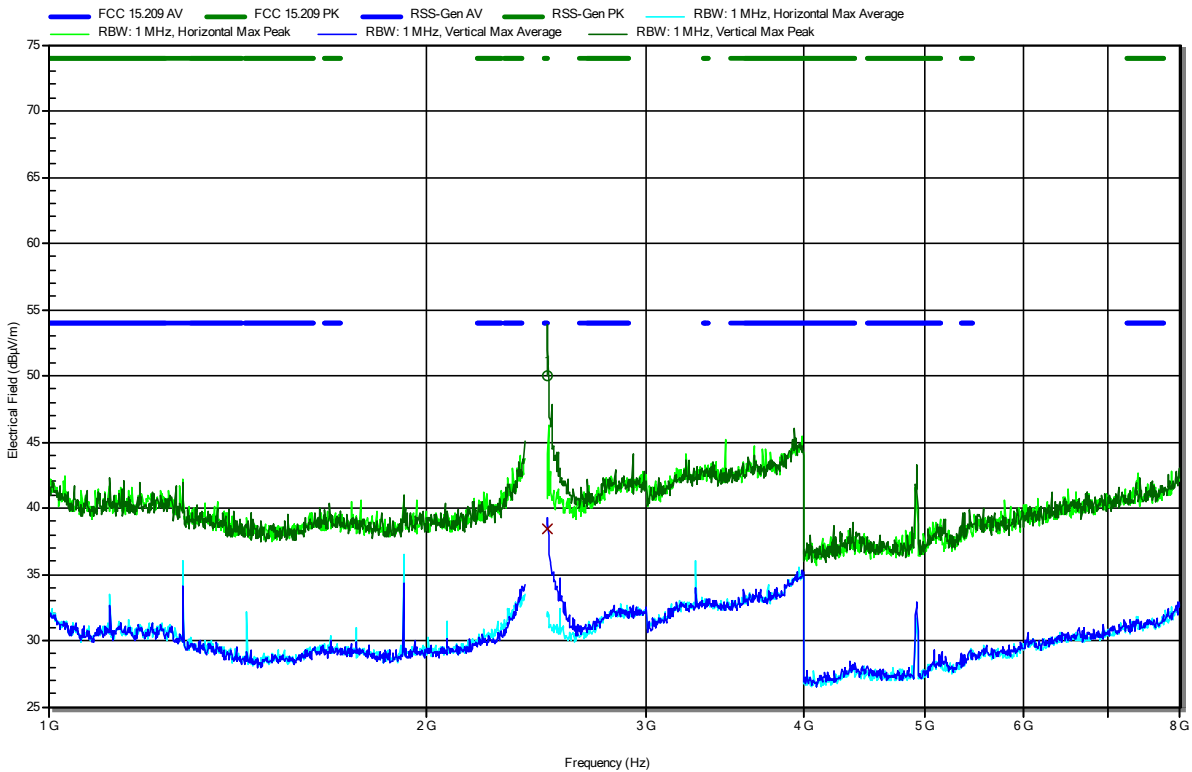


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch11, 2462 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note:

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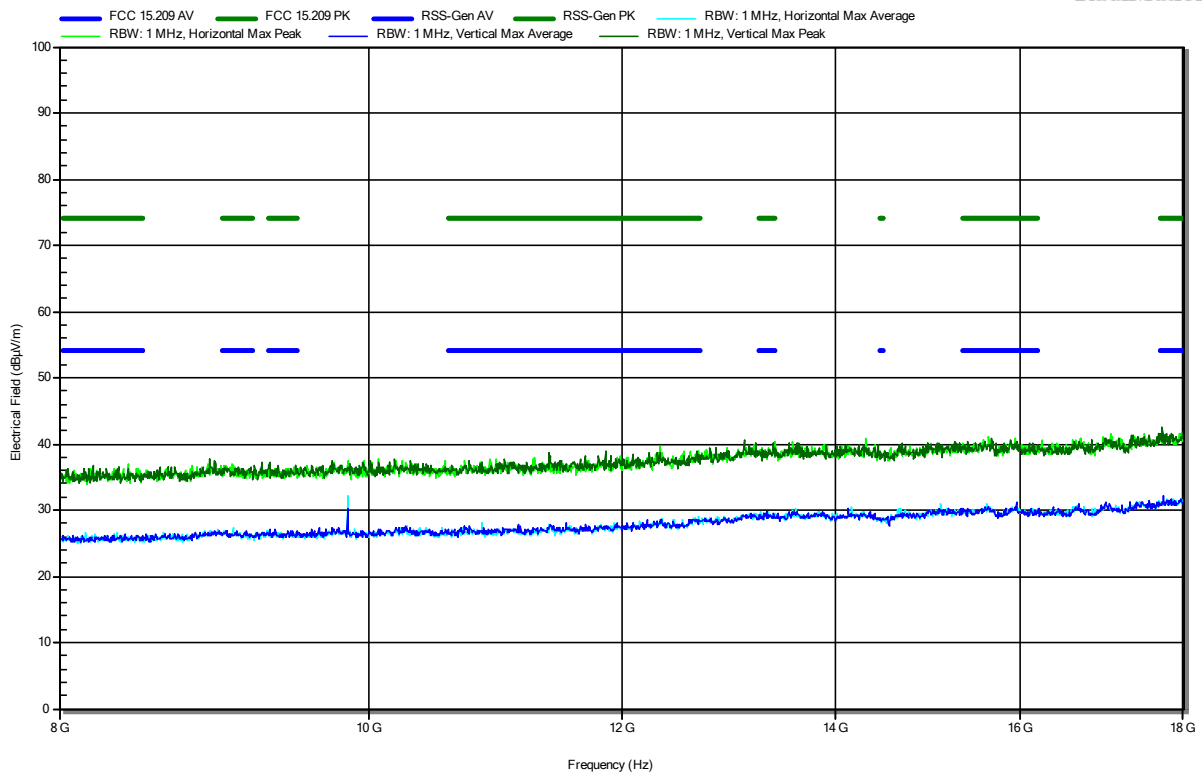
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.5 GHz	50.03 dBµV/m	74 dBµV/m	-23.97 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.5 GHz	38.44 dBµV/m	54 dBµV/m	-15.56 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch11, 2462 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note:

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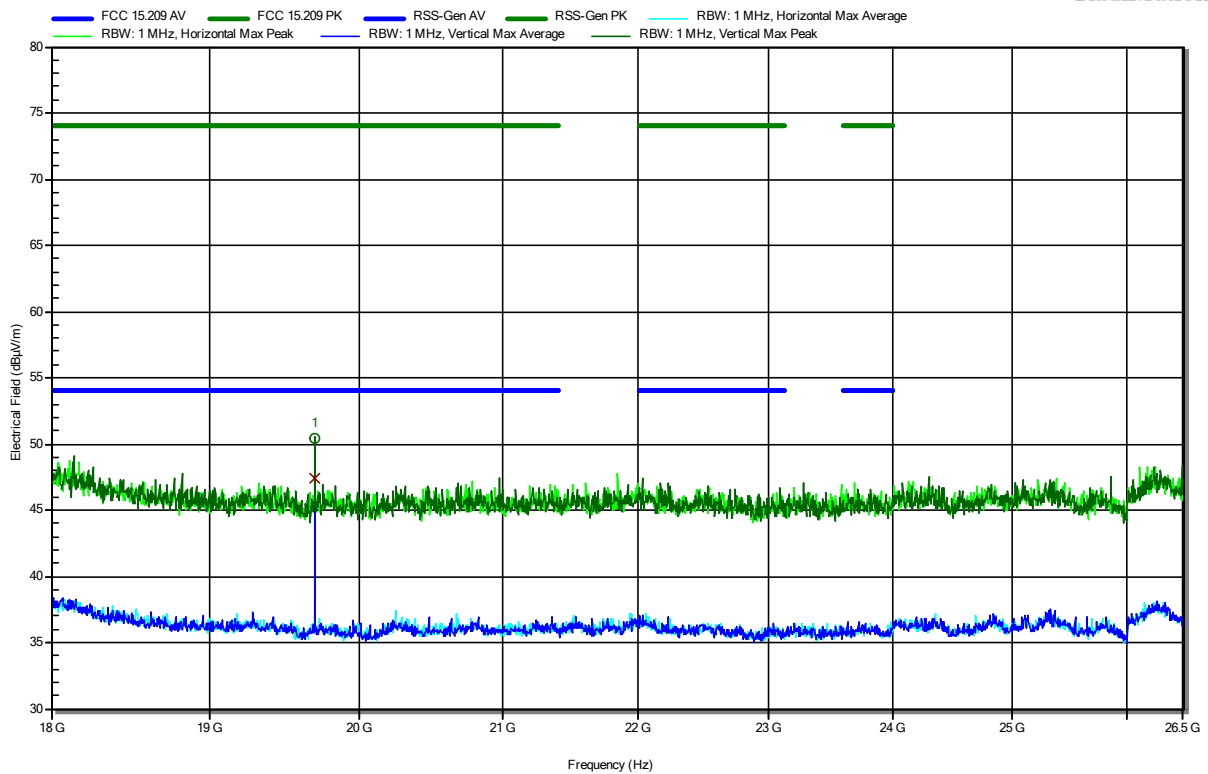
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Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45122
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11ax, Ch11, 2462 GHz, MCS0, HE20
 Test Date: 2023-11-10
 Note:

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Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
19.696 GHz	50.45 dBµV/m	74 dBµV/m	-23.55 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
19.696 GHz	47.47 dBµV/m	54 dBµV/m	-6.53 dB	Pass	Vertical

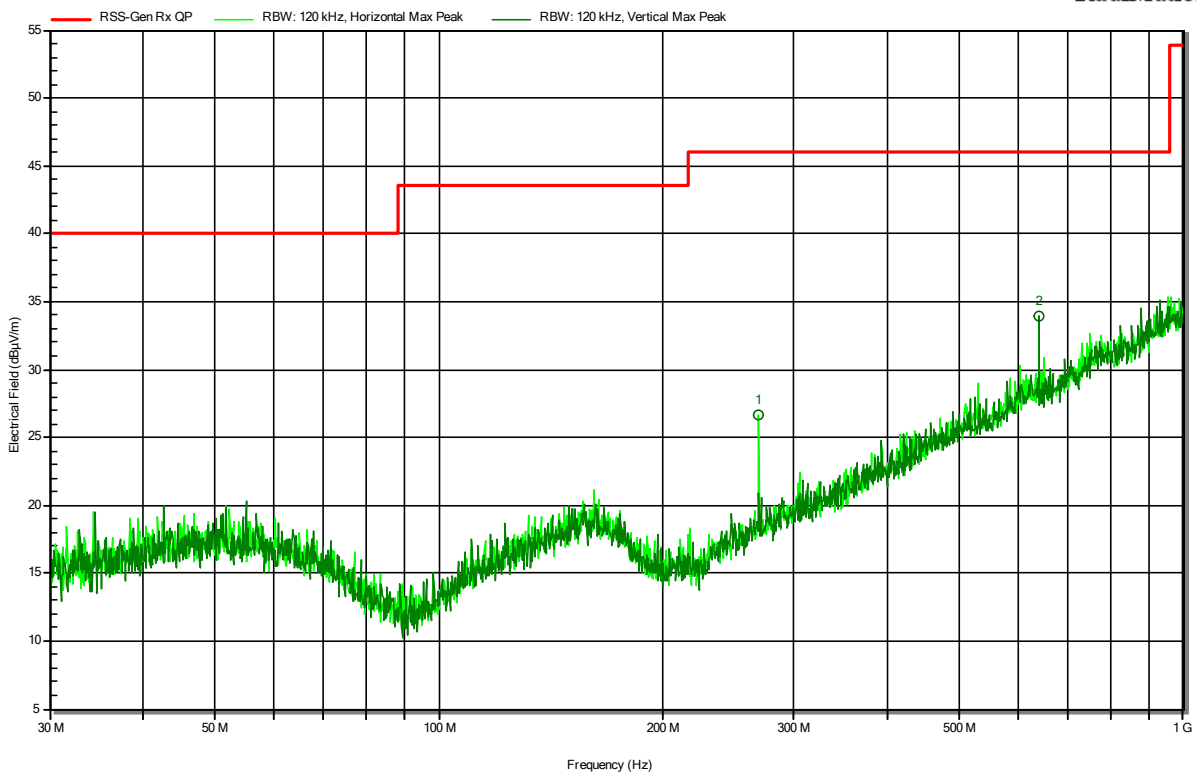
ANNEX B Receiver spurious emissions

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Rx; IEEE 802.11b, 2462 MHz, DSSS
 Test Date: 2023-08-29
 Note:

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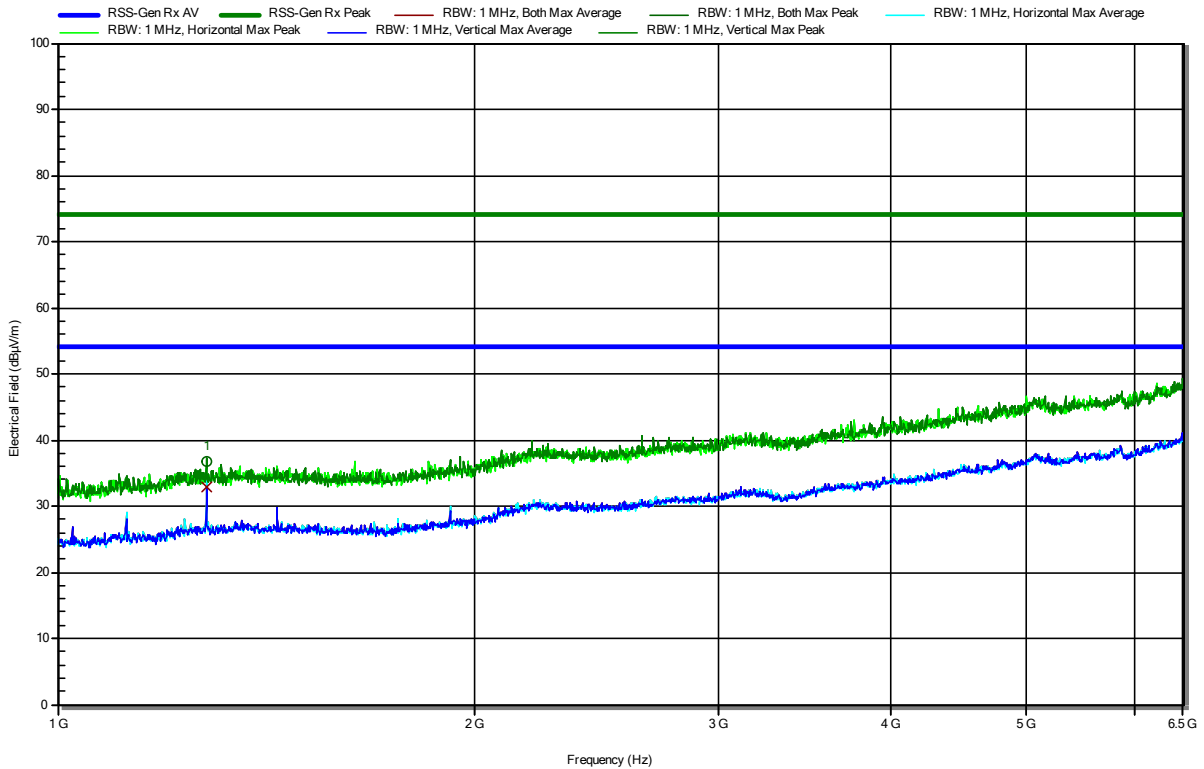
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
268.7897 MHz	26.6 dBµV/m	46 dBµV/m	-19.39 dB	Pass	Horizontal
640.0088 MHz	33.9 dBµV/m	46 dBµV/m	-12.12 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Rx; IEEE 802.11b, 2462 MHz, DSSS
 Test Date: 2023-08-29
 Note:

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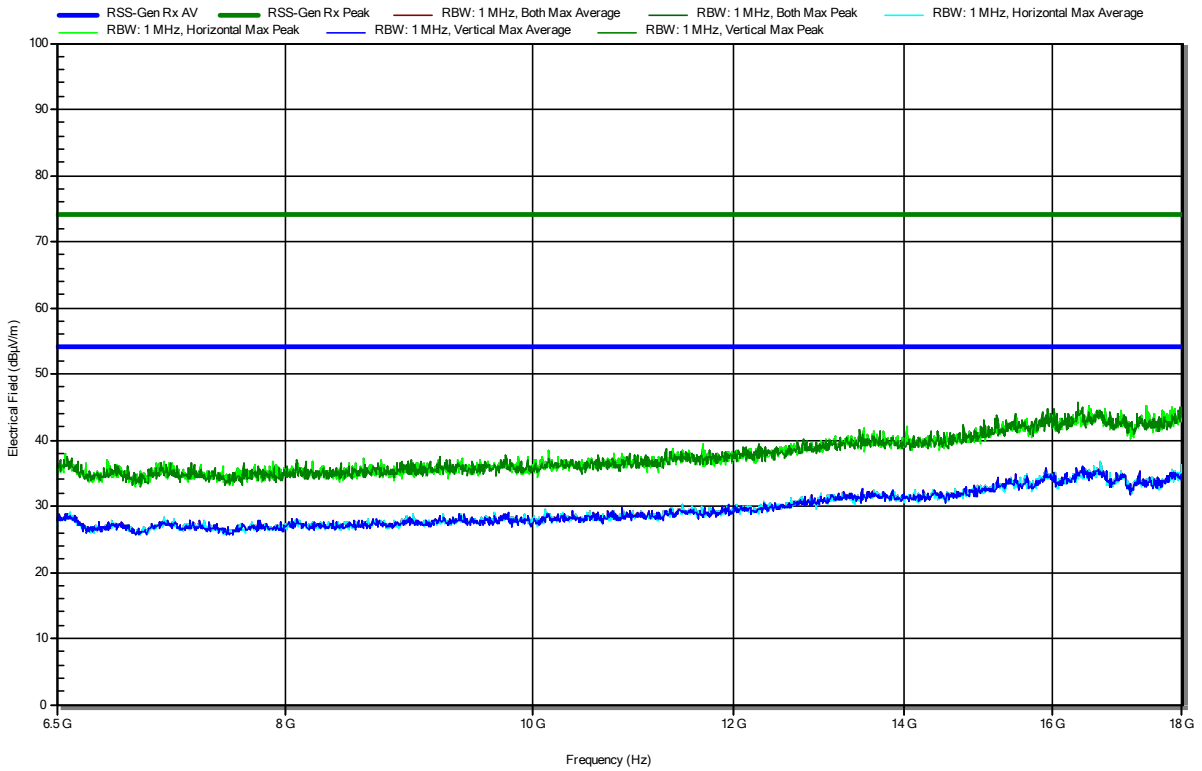
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
1.28 GHz	36.86 dBµV/m	74 dBµV/m	-37.14 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
1.28 GHz	32.93 dBµV/m	53.98 dBµV/m	-21.05 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W260-00B
 Test Sample ID: 45124
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Rx; IEEE 802.11b, 2462 MHz, DSSS
 Test Date: 2023-08-29
 Note:

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=== END OF TEST REPORT ===