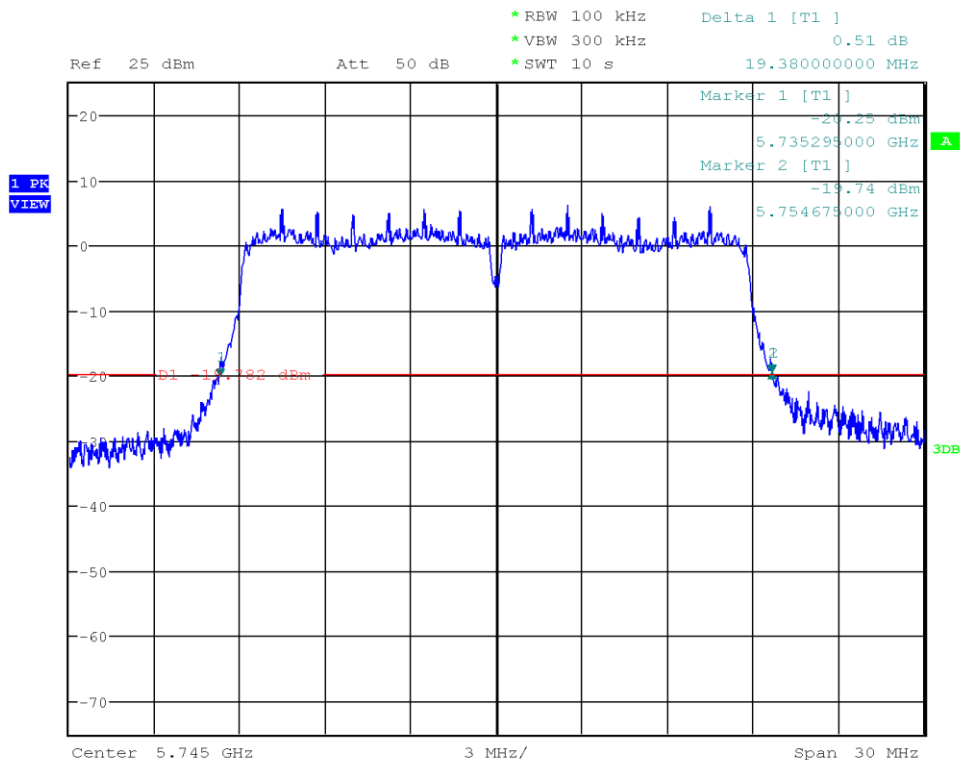


26 dB Bandwidth

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11n (HT20), Channel: 149, 5745 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5735.295
 Upper Frequency [MHz]: 5754.675
 26 dB Bandwidth [MHz]: 19.380



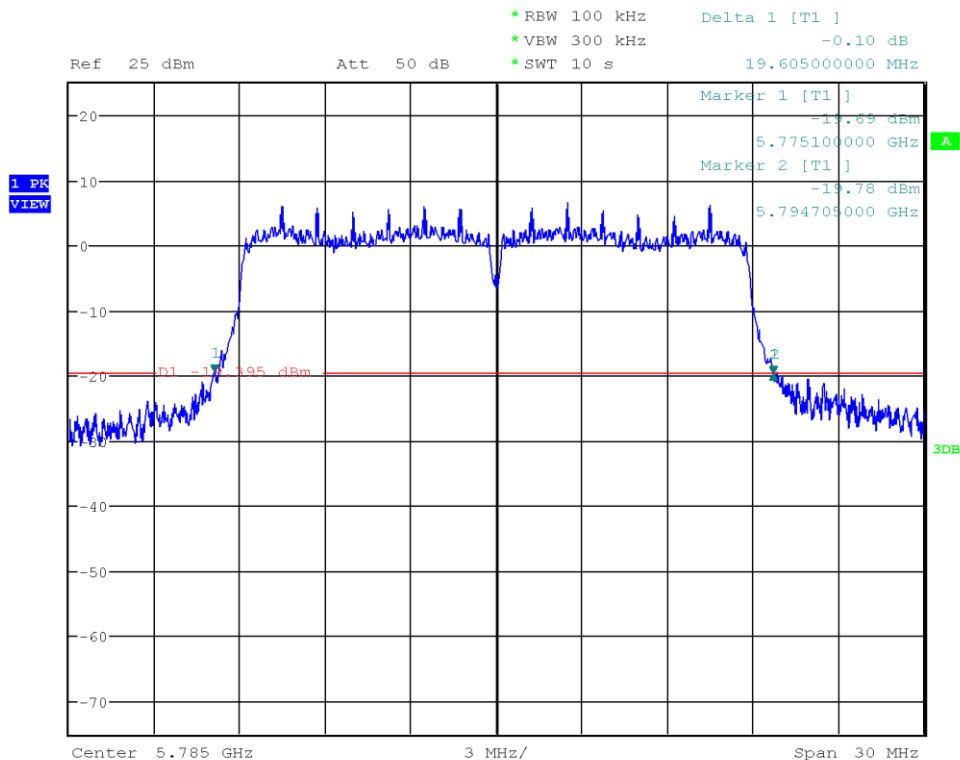
Date: 8.AUG.2023 10:37:44

Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

26 dB Bandwidth

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11n (HT20), Channel: 157, 5785 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-04
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5775.100
 Upper Frequency [MHz]: 5794.705
 26 dB Bandwidth [MHz]: 19.605



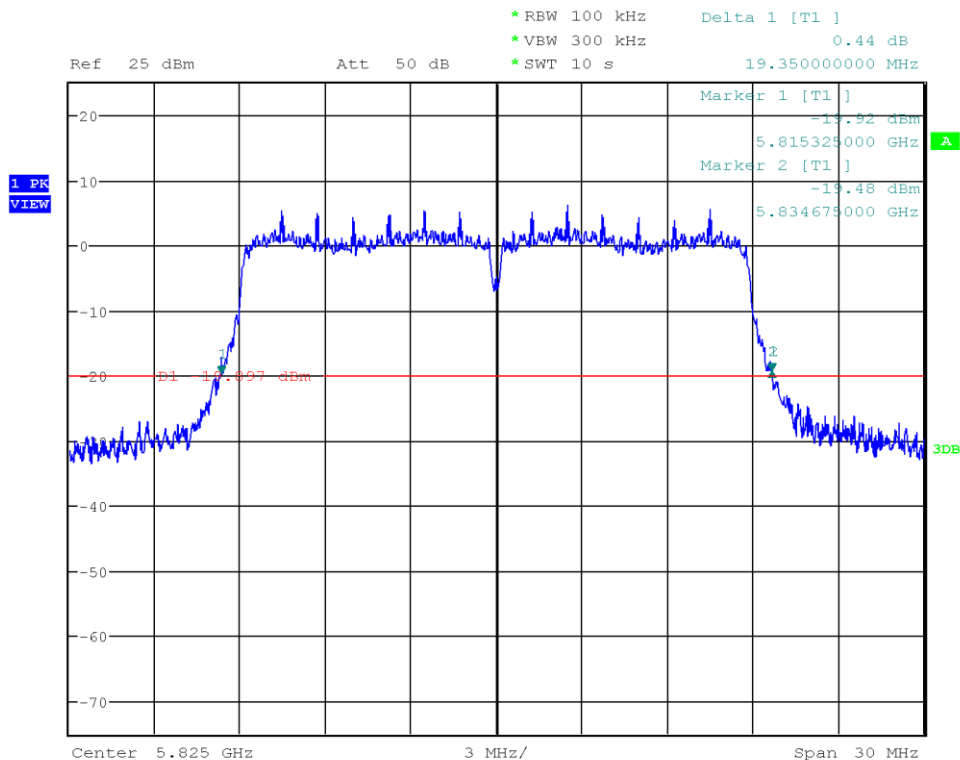
Date: 4.AUG.2023 15:37:05

Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

26 dB Bandwidth

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11n (HT20), Channel: 165, 5825 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-04
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5815.325
 Upper Frequency [MHz]: 5834.675
 26 dB Bandwidth [MHz]: 19.350



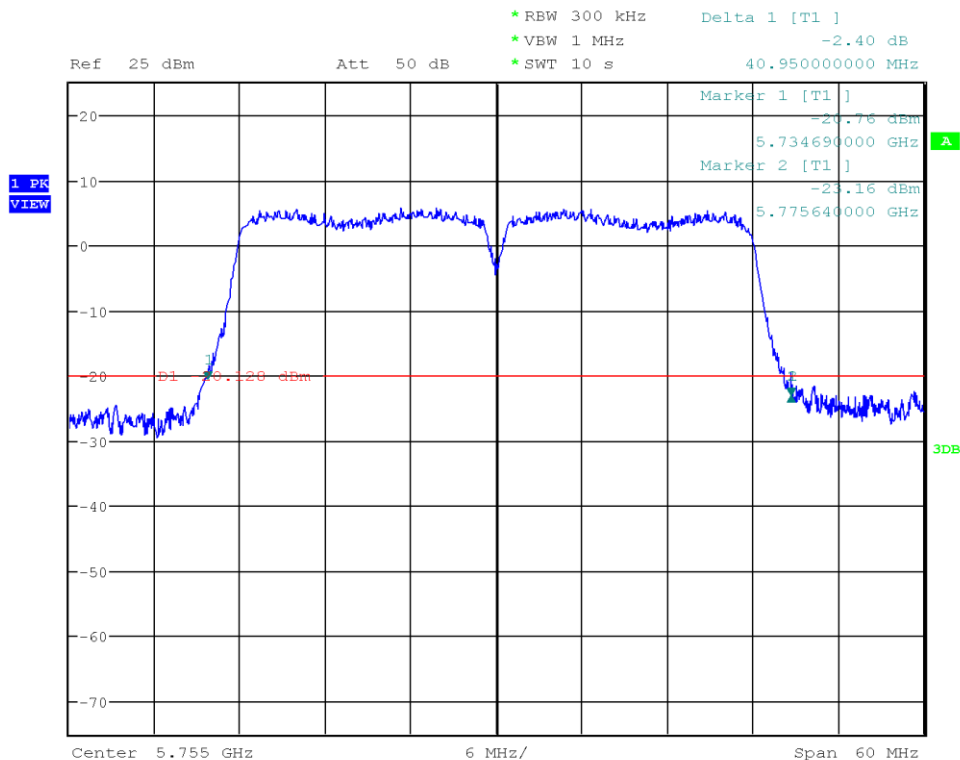
Date: 4.AUG.2023 15:41:06

Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

26 dB Bandwidth

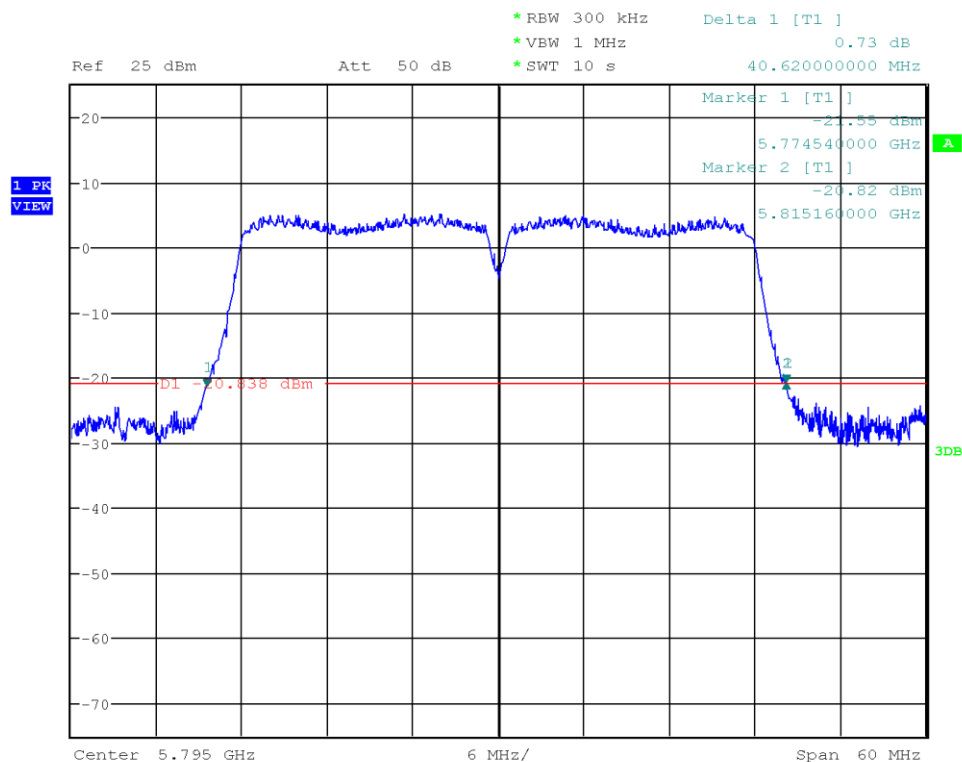
Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11n (HT40), Channel: 151, 5755 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5734.690
 Upper Frequency [MHz]: 5775.640
 26 dB Bandwidth [MHz]: 40.950



Date: 8.AUG.2023 10:45:27

26 dB Bandwidth

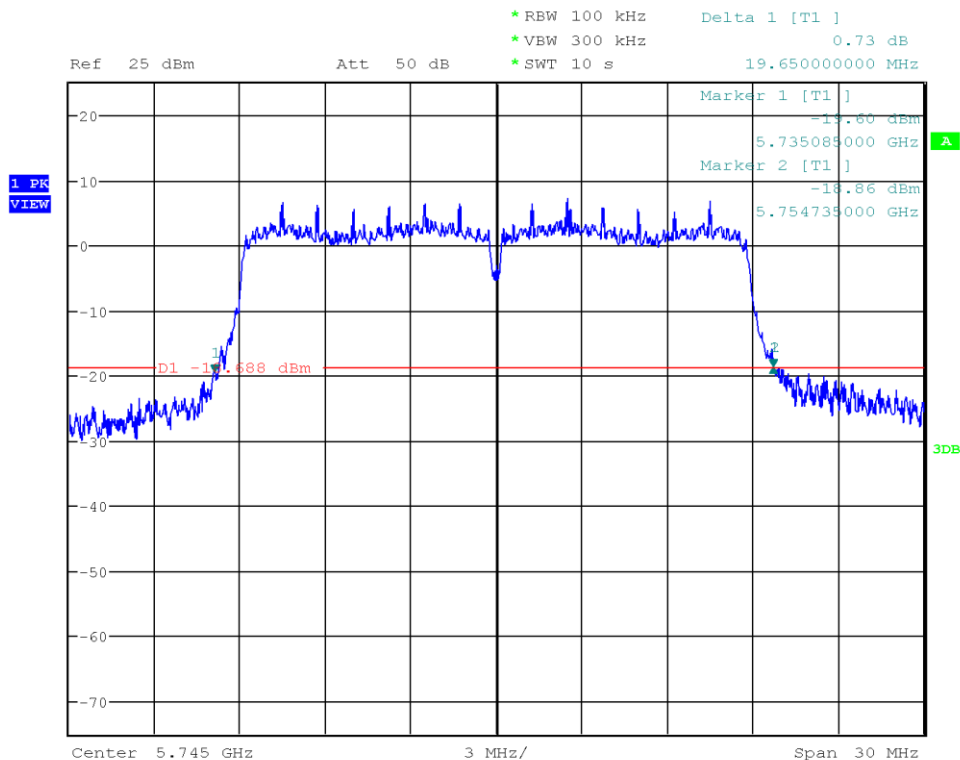
Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11n (HT40), Channel: 159, 5795 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5774.540
 Upper Frequency [MHz]: 5815.160
 26 dB Bandwidth [MHz]: 40.620



Date: 8.AUG.2023 10:47:19

26 dB Bandwidth

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 149, 5745 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-04
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5735.085
 Upper Frequency [MHz]: 5754.735
 26 dB Bandwidth [MHz]: 19.650



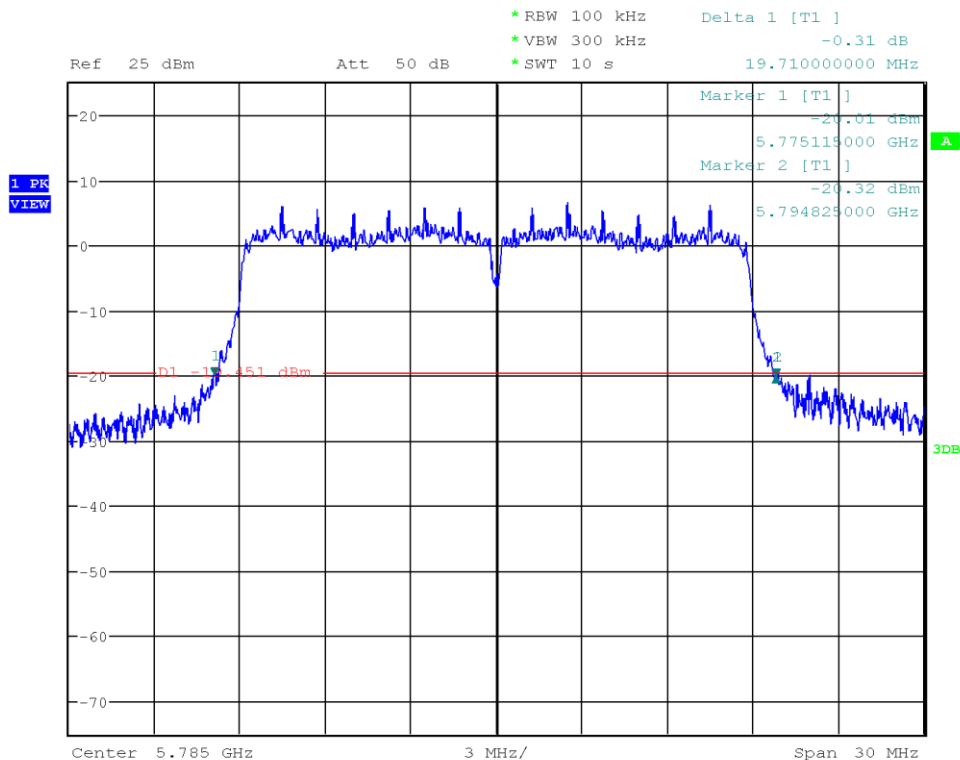
Date: 4.AUG.2023 16:04:12

Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

26 dB Bandwidth

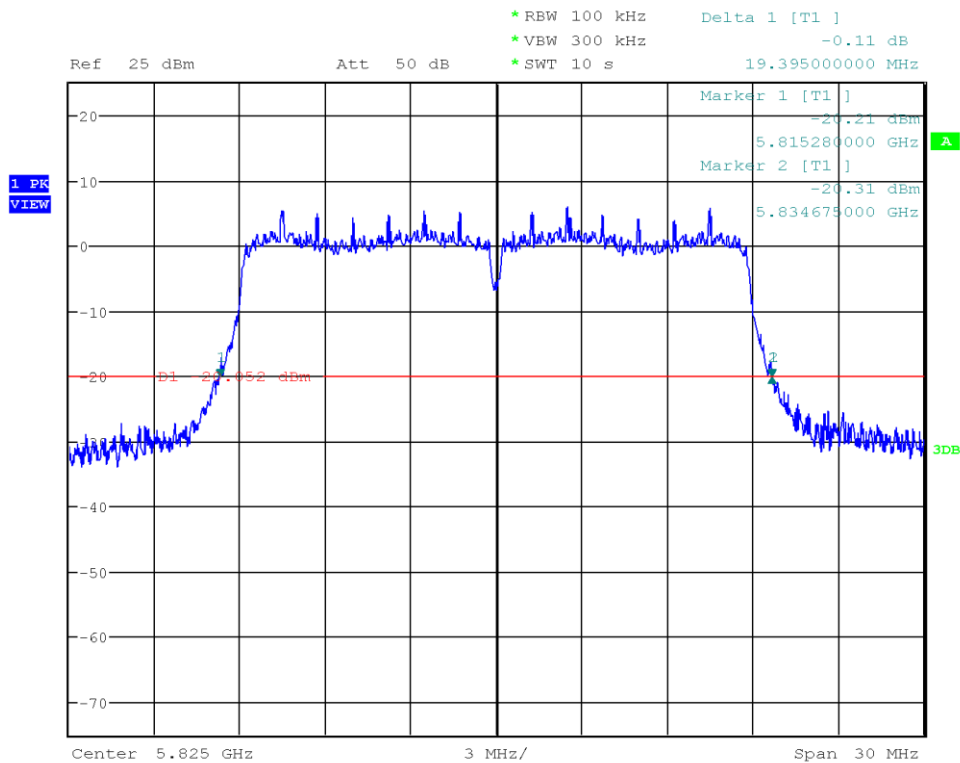
Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 157, 5785 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-04
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5775.115
 Upper Frequency [MHz]: 5794.825
 26 dB Bandwidth [MHz]: 19.710



Date: 4.AUG.2023 15:51:33

26 dB Bandwidth

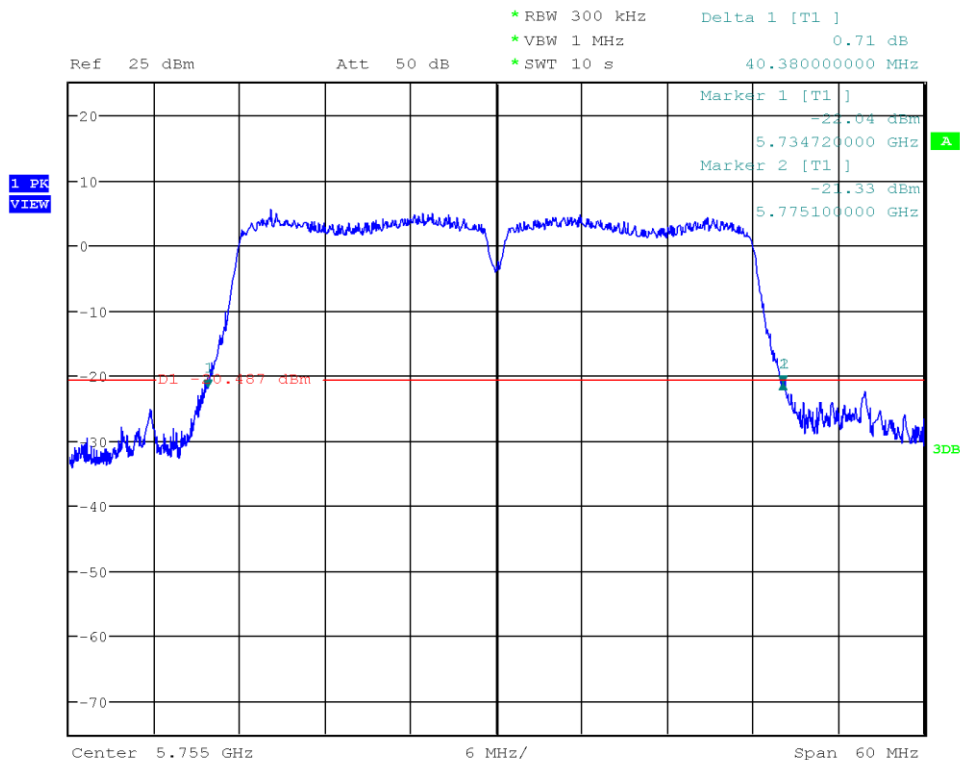
Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 165, 5825 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-04
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5815.280
 Upper Frequency [MHz]: 5834.675
 26 dB Bandwidth [MHz]: 19.395



Date: 4.AUG.2023 15:52:59

26 dB Bandwidth

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 151, 5755 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5734.720
 Upper Frequency [MHz]: 5775.100
 26 dB Bandwidth [MHz]: 40.380



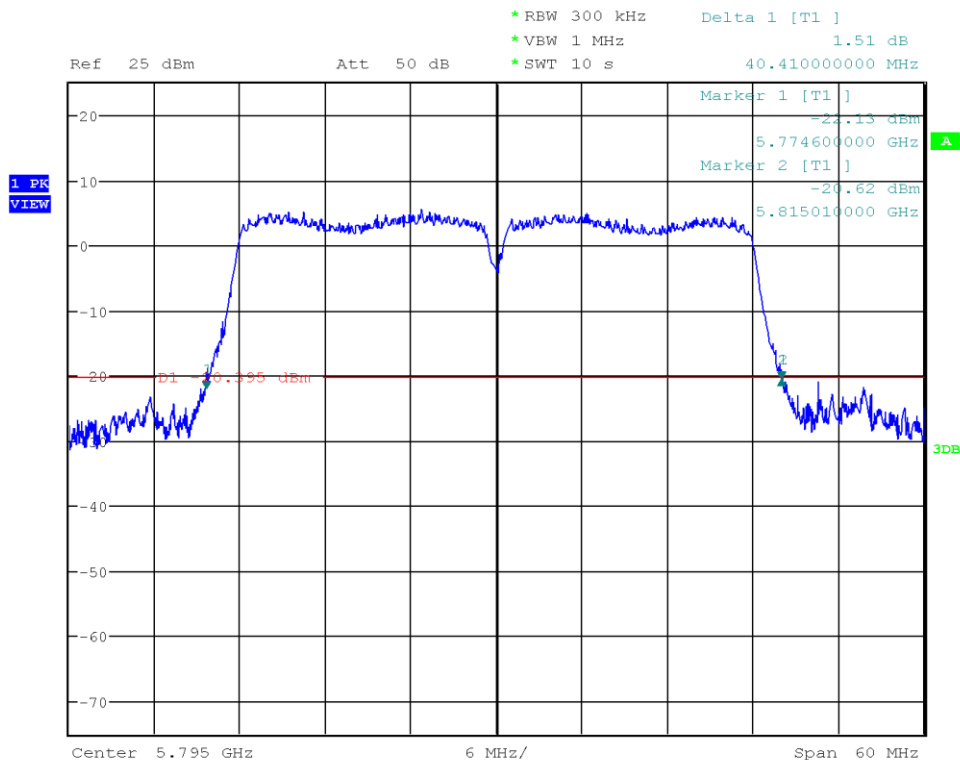
Date: 8.AUG.2023 10:49:04

Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

26 dB Bandwidth

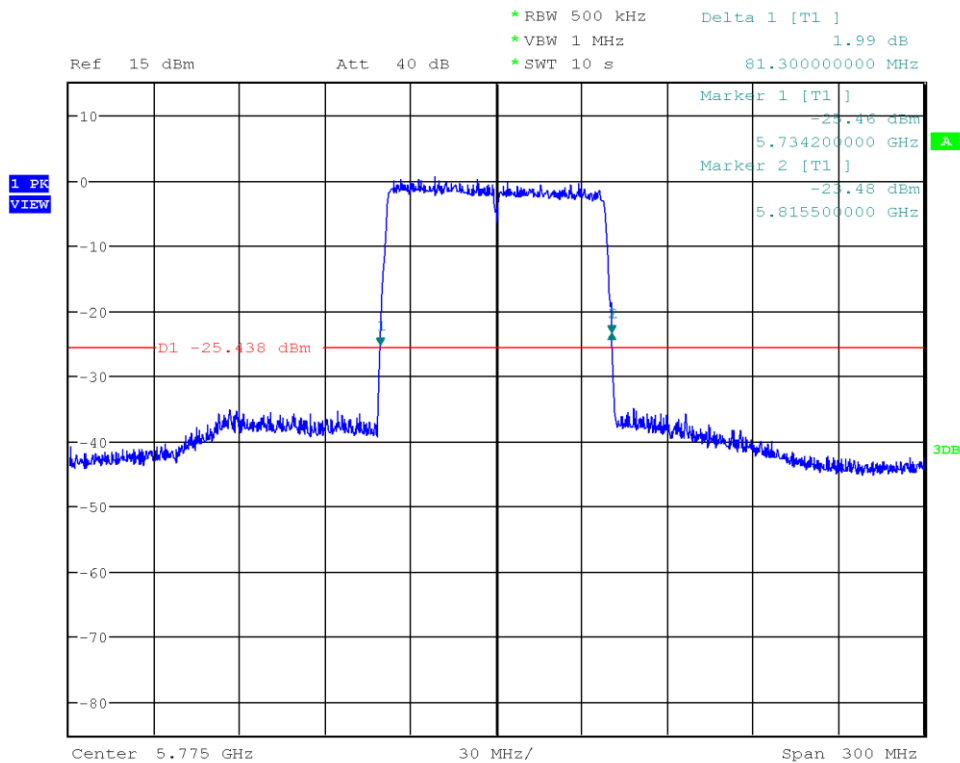
Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 159, 5795 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5774.600
 Upper Frequency [MHz]: 5815.010
 26 dB Bandwidth [MHz]: 40.410



Date: 8.AUG.2023 10:51:35

26 dB Bandwidth

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11ac (VHT80), Channel: 155, 5775 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-04
 Antenna Port: 0
 Note: Bit rate = MCS 0
 Lower Frequency [MHz]: 5734.200
 Upper Frequency [MHz]: 5815.500
 26 dB Bandwidth [MHz]: 81.300



Date: 4.AUG.2023 15:58:29

3.3 Test Conditions and Results - Maximum output power

3.3.1 Information

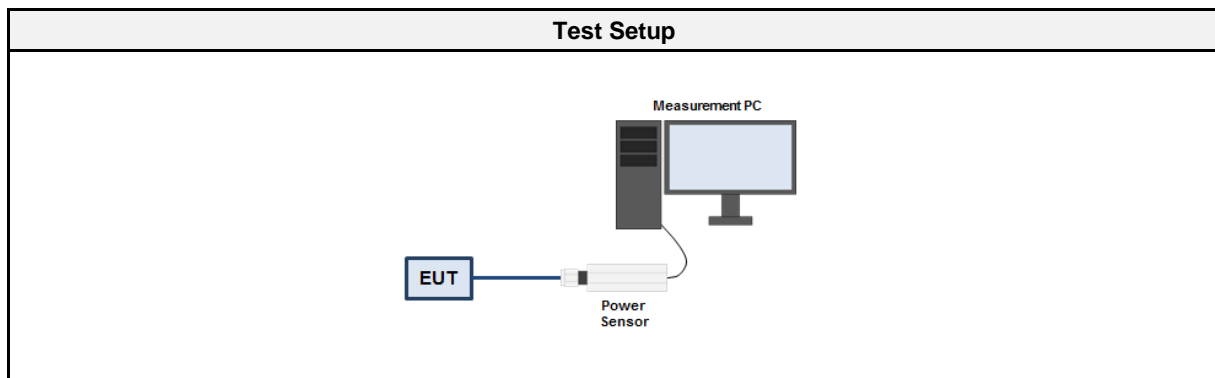
Test Information	
Reference	FCC 15.407(a)
Measurement Method	KDB 789033 E
Operator	Radwan Jaafar
Date	2023-08-07
Measurement uncertainty	±1.59 %
Note	Power level set according to section 1.9 Power Setting. Worst cases were considered.

3.3.2 Limits

Limits			
Frequency band	Condition	Power limit	Maximum antenna gain ¹
5150 - 5250 MHz	Access point, indoor	1 W/30 dBm	6 dBi
5150 - 5250 MHz	Access point, outdoor	1 W/30 dBm	6 dBi
5150 - 5250 MHz	Access point, fixed point to point	1 W/30 dBm	23 dBi
5150 - 5250 MHz	Client	250 mW/24 dBm	6 dBi
5250 - 5350 MHz	-	Minimum of 250 mW/24 dBm or 11 dBm + 10*Log ₁₀ (BW ³)	6 dBi
5470 - 5725 MHz	-	Minimum of 250 mW/24 dBm or 11 dBm + 10*Log ₁₀ (BW ³)	6 dBi
5725 - 5850 MHz	-	1 W/30 dBm ²	6 dBi

Note 1: The maximum output power must be reduced by the amount in dB that the gain exceeds the maximum allowed gain
 Note 2: Fixed point to point applications are excluded from power reduction according to Note 1
 Note 3: BW is the 26 dB bandwidth in MHz

3.3.3 Setup



3.3.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Power sensor	ETS-Lindgren	7002-006	EF00934	2023-08	2024-08

3.3.5 Procedure

Test Procedure	
1.	One wide band power sensor is connected to each antenna port of the EUT
1.	EUT transmitter is activated in test mode under normal conditions
2.	The output power is measured simultaneously at all antenna ports
3.	The maximum power level is determined

3.3.6 Results

Test Results - 5150 - 5250 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	Power [dBm]	Limit [dBm]	Verdict
OFDM	36	5180	20	18.1	24	PASS
OFDM	40	5200	20	19.4	24	PASS
OFDM	48	5240	20	19.5	24	PASS
HT20	36	5180	20	18.1	24	PASS
HT20	40	5200	20	19.5	24	PASS
HT20	48	5240	20	19.4	24	PASS
HT40	36+40	5190	40	13.2	24	PASS
HT40	44+48	5230	40	19.3	24	PASS
VHT20	36	5180	20	18.1	24	PASS
VHT20	40	5200	20	19.5	24	PASS
VHT20	48	5240	20	19.4	24	PASS
VHT40	36+40	5190	40	13.1	24	PASS
VHT40	44+48	5230	40	19.3	24	PASS
VHT80	36+40+44+48	5210	80	12.2	24	PASS

Test Results - 5250 - 5350 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	Power [dBm]	Limit [dBm]	Verdict
OFDM	52	5260	20	18.9	23.8	PASS
OFDM	56	5280	20	18.9	23.8	PASS
OFDM	64	5320	20	16.6	23.8	PASS
HT20	52	5260	20	18.9	23.8	PASS
HT20	56	5280	20	18.8	23.8	PASS
HT20	64	5320	20	16.5	23.8	PASS
HT40	52+56	5270	40	18.8	24	PASS
HT40	60+64	5310	40	10.8	24	PASS
VHT20	52	5260	20	18.7	23.8	PASS
VHT20	56	5280	20	18.6	23.8	PASS
VHT20	64	5320	20	16.6	23.8	PASS
VHT40	52+56	5270	40	18.5	24	PASS
VHT40	60+64	5310	40	10.8	24	PASS
VHT80	52+56+60+64	5290	80	10.1	24	PASS

Test Results - 5470 - 5725 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	Power [dBm]	Limit [dBm]	Verdict
OFDM	100	5500	20	15.8	23.8	PASS
OFDM	120	5600	20	17.8	23.8	PASS
OFDM	144	5720	20	14.7	23.8	PASS
HT20	100	5500	20	15.8	23.9	PASS
HT20	120	5600	20	17.7	23.9	PASS
HT20	144	5720	20	14.7	23.9	PASS
HT40	100+104	5510	40	12.5	24	PASS
HT40	116+120	5590	40	17.8	24	PASS
HT40	140+144	5710	40	14.2	24	PASS
VHT20	100	5500	20	15.8	23.9	PASS
VHT20	120	5600	20	18	23.9	PASS
VHT20	144	5720	20	14.7	23.9	PASS
VHT40	100+104	5510	40	12.5	24	PASS
VHT40	116+120	5590	40	17.8	24	PASS
VHT40	140+144	5710	40	14.2	24	PASS
VHT80	100+104+108+112	5530	80	9.6	24	PASS
VHT80	116+120+124+128	5610	80	15.8	24	PASS
VHT80	132+136+140+144	5690	80	14.5	24	PASS

Test Results - 5725 - 5850 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	Power [dBm]	Limit [dBm]	Verdict
OFDM	149	5745	20	18.7	30	PASS
OFDM	157	5785	20	18.5	30	PASS
OFDM	165	5825	20	18.7	30	PASS
HT20	149	5745	20	18.7	30	PASS
HT20	157	5785	20	18.5	30	PASS
HT20	165	5825	20	18.6	30	PASS
HT40	149+153	5755	40	17.4	30	PASS
HT40	157+161	5795	40	18.2	30	PASS
VHT20	149	5745	20	18.7	30	PASS
VHT20	157	5785	20	18.4	30	PASS
VHT20	165	5825	20	18.7	30	PASS
VHT40	149+153	5755	40	17.5	30	PASS
VHT40	157+161	5795	40	18.3	30	PASS
VHT80	149+153+157+161	5775	80	12.8	30	PASS

3.4 Test Conditions and Results - Power spectral density

3.4.1 Information

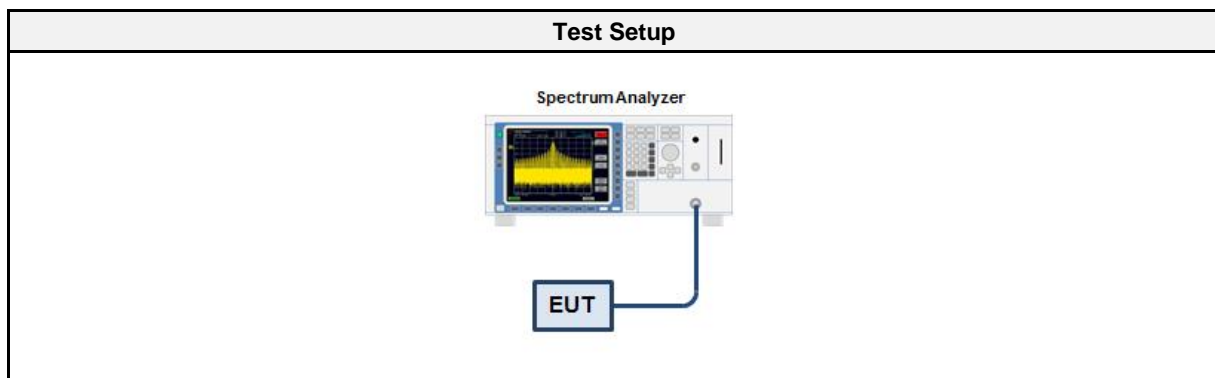
Test Information	
Reference	FCC 15.407(a)
Measurement Method	KDB 789033 F
Operator	Azamat Ibraimov
Date	2023-08-08
Measurement uncertainty	±2.86 %
Note	Power level set according to section 1.9 Power Setting. Worst cases were considered.

3.4.2 Limits

Limits			
Frequency band	Condition	PSD limit	Maximum antenna gain ¹
5150 - 5250 MHz	Access point, indoor	17 dBm/MHz	6 dBi
5150 - 5250 MHz	Access point, outdoor	17 dBm/MHz	6 dBi
5150 - 5250 MHz	Access point, fixed point to point	17 dBm/MHz	23 dBi
5150 - 5250 MHz	Client	11 dBm/MHz	6 dBi
5250 - 5350 MHz	All devices	11 dBm/MHz	6 dBi
5470 - 5725 MHz	All devices	11 dBm/MHz	6 dBi
5725 - 5850 MHz	All devices	30 dBm/500 kHz	6 dBi

Note 1: The power density limit must be reduced by the amount in dB that the gain exceeds the maximum allowed gain

3.4.3 Setup



3.4.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSU 26	EF01003	2023-08	2024-08

3.4.5 Procedure

Test Procedure	
1.	EUT transmitter is activated in test mode under normal conditions
2.	The spectrum analyzer is set to rms detection with a span over the emission bandwidth
3.	The resolution bandwidth is set to 1 MHz / 500 kHz and video bandwidth to ≥ 3 MHz
4.	The number of sweep points is set $\geq 2 \times \text{span} / \text{RBW}$ and the sweep time is set to auto
5.	Trace averaging is set to 100
6.	The maximum of the emission envelope is determined
7.	The duty cycle ($10 \times \text{Log}_{10}(1/\text{duty cycle})$) correction is added to the measurement result

3.4.6 Results

Test Results - 5150 - 5250 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	PSD [dBm/RBW]	Limit [dBm/MHz]	Verdict
OFDM	36	5180	20	6.548	11	PASS
OFDM	40	5200	20	7.654	11	PASS
OFDM	48	5240	20	7.007	11	PASS
HT20	36	5180	20	6.220	11	PASS
HT20	40	5200	20	7.483	11	PASS
HT20	48	5240	20	6.774	11	PASS
HT40	36+40	5190	40	-1.250	11	PASS
HT40	44+48	5230	40	4.053	11	PASS
VHT20	36	5180	20	6.202	11	PASS
VHT20	40	5200	20	7.490	11	PASS
VHT20	48	5240	20	6.795	11	PASS
VHT40	36+40	5190	40	-1.286	11	PASS
VHT40	44+48	5230	40	4.053	11	PASS
VHT80	36+40+44+48	5210	80	-5.945	11	PASS

RBW = 1 MHz

Test Results - 5250 - 5350 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	PSD [dBm/RBW]	Limit [dBm/RBW]	Verdict
OFDM	52	5260	20	6.709	11	PASS
OFDM	56	5280	20	6.905	11	PASS
OFDM	64	5320	20	4.671	11	PASS
HT20	52	5260	20	6.459	11	PASS
HT20	56	5280	20	6.592	11	PASS
HT20	64	5320	20	4.403	11	PASS
HT40	52+56	5270	40	3.472	11	PASS
HT40	60+64	5310	40	-4.084	11	PASS
VHT20	52	5260	20	6.433	11	PASS
VHT20	56	5280	20	6.671	11	PASS
VHT20	64	5320	20	4.370	11	PASS
VHT40	52+56	5270	40	3.580	11	PASS
VHT40	60+64	5310	40	-4.079	11	PASS
VHT80	52+56+60+64	5290	80	-8.723	11	PASS

RBW = 1 MHz

Test Results - 5470 - 5725 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	PSD [dBm/RBW]	Limit [dBm/RBW]	Verdict
OFDM	100	5500	20	3.846	11	PASS
OFDM	120	5600	20	6.234	11	PASS
OFDM	144	5720	20	2.744	11	PASS
HT20	100	5500	20	3.621	11	PASS
HT20	120	5600	20	5.960	11	PASS
HT20	144	5720	20	2.441	11	PASS
HT40	100+104	5510	40	-2.602	11	PASS
HT40	116+120	5590	40	3.008	11	PASS
HT40	140+144	5710	40	-0.770	11	PASS
VHT20	100	5500	20	3.593	11	PASS
VHT20	120	5600	20	5.955	11	PASS
VHT20	144	5720	20	2.419	11	PASS
VHT40	100+104	5510	40	-2.577	11	PASS
VHT40	116+120	5590	40	3.013	11	PASS
VHT40	140+144	5710	40	-0.854	11	PASS
VHT80	100+104+108+112	5530	80	-8.954	11	PASS
VHT80	116+120+124+128	5610	80	-2.635	11	PASS
VHT80	132+136+140+144	5690	80	-3.780	11	PASS

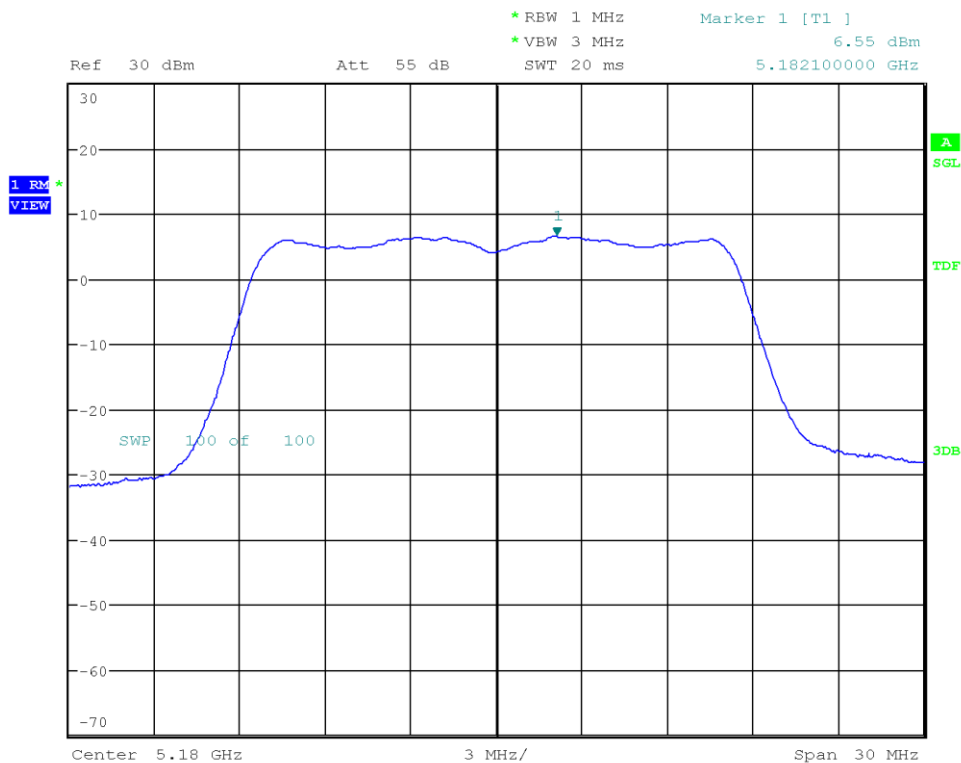
RBW = 1 MHz

Test Results - 5725 - 5850 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	PSD [dBm/RBW]	Limit [dBm/RBW]	Verdict
OFDM	149	5745	20	4.247	30	PASS
OFDM	157	5785	20	3.338	30	PASS
OFDM	165	5825	20	3.238	30	PASS
HT20	149	5745	20	4.001	30	PASS
HT20	157	5785	20	3.379	30	PASS
HT20	165	5825	20	3.212	30	PASS
HT40	149+153	5755	40	-0.070	30	PASS
HT40	157+161	5795	40	0.308	30	PASS
VHT20	149	5745	20	3.992	30	PASS
VHT20	157	5785	20	3.374	30	PASS
VHT20	165	5825	20	3.207	30	PASS
VHT40	149+153	5755	40	-0.161	30	PASS
VHT40	157+161	5795	40	0.238	30	PASS
VHT80	149+153+157+161	5775	80	-8.427	30	PASS

RBW = 0.5 MHz

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 36, 5180 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 18
 Maximum Frequency [MHz]: 5182.100
 Spectral Density [dBm/RBW]: 6.548
 Resolution Bandwidth [MHz]: 1



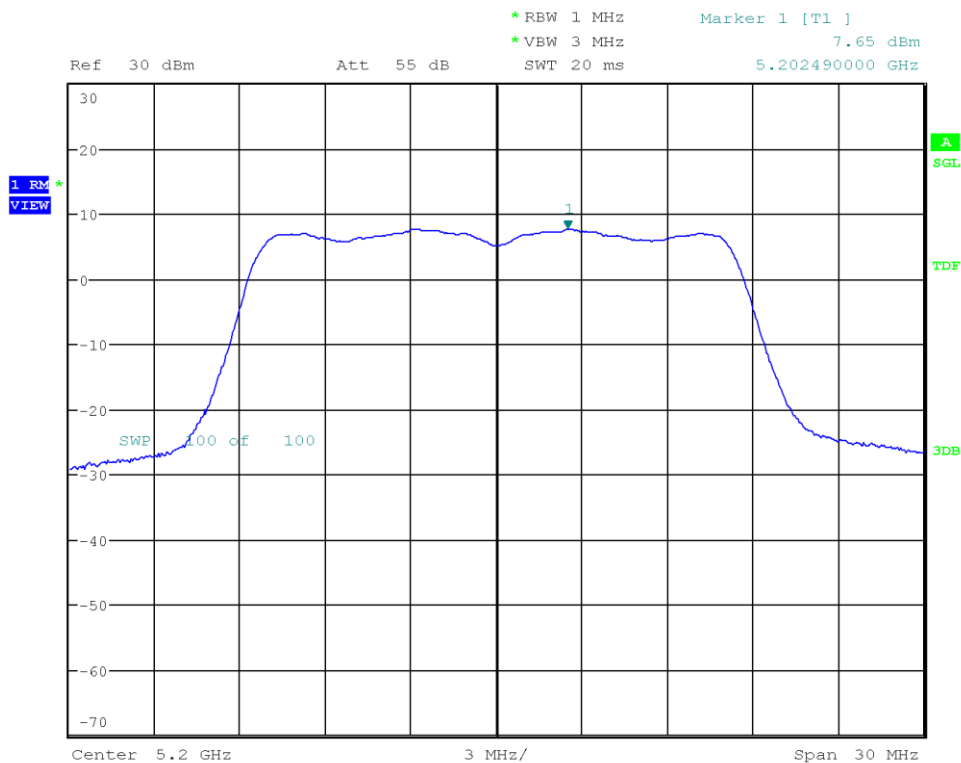
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 40, 5200 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 19
 Maximum Frequency [MHz]: 5202.490
 Spectral Density [dBm/RBW]: 7.654
 Resolution Bandwidth [MHz]: 1



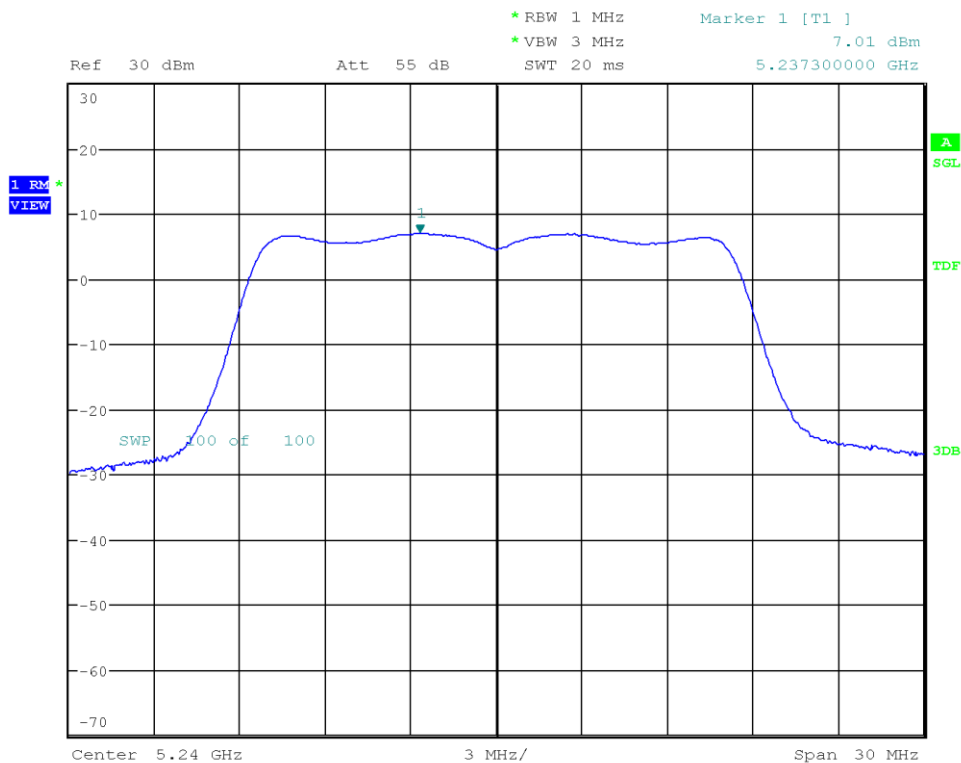
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 48, 5240 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 19
 Maximum Frequency [MHz]: 5237.300
 Spectral Density [dBm/RBW]: 7.007
 Resolution Bandwidth [MHz]: 1



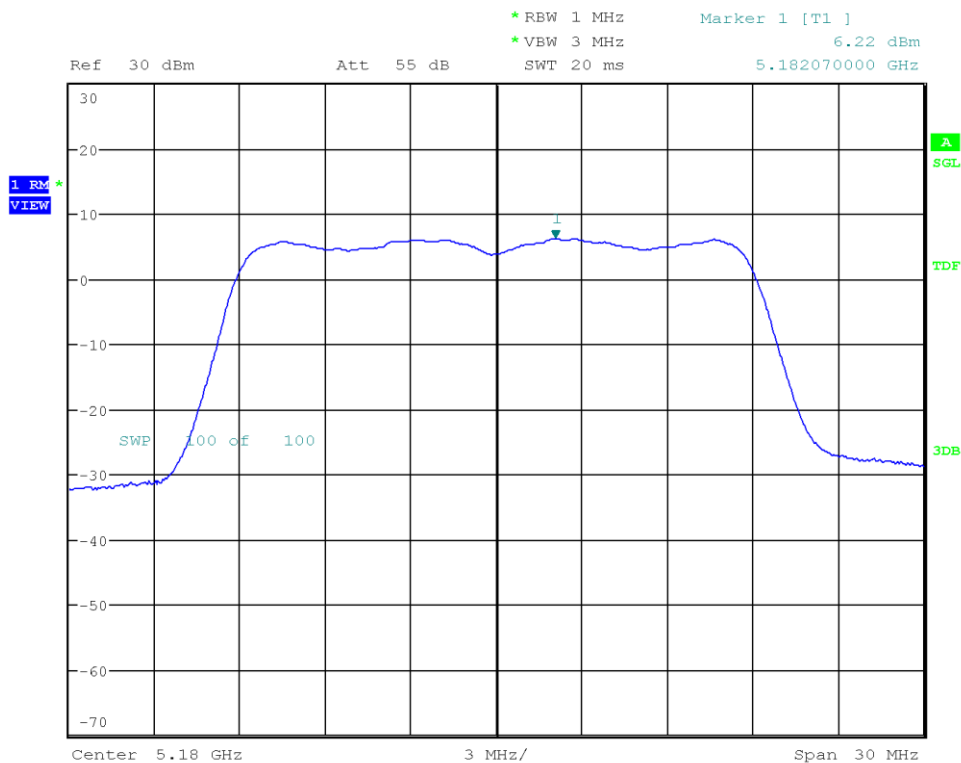
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 36, 5180 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 18
 Maximum Frequency [MHz]: 5182.070
 Spectral Density [dBm/RBW]: 6.220
 Resolution Bandwidth [MHz]: 1



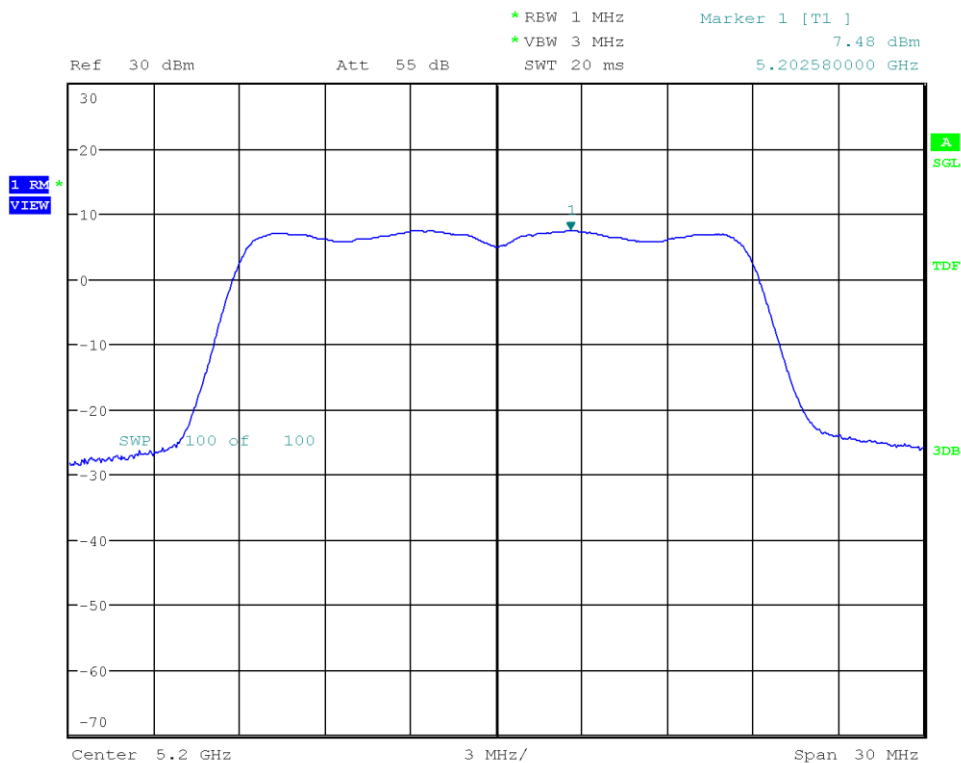
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 40, 5200 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5202.580
 Spectral Density [dBm/RBW]: 7.483
 Resolution Bandwidth [MHz]: 1



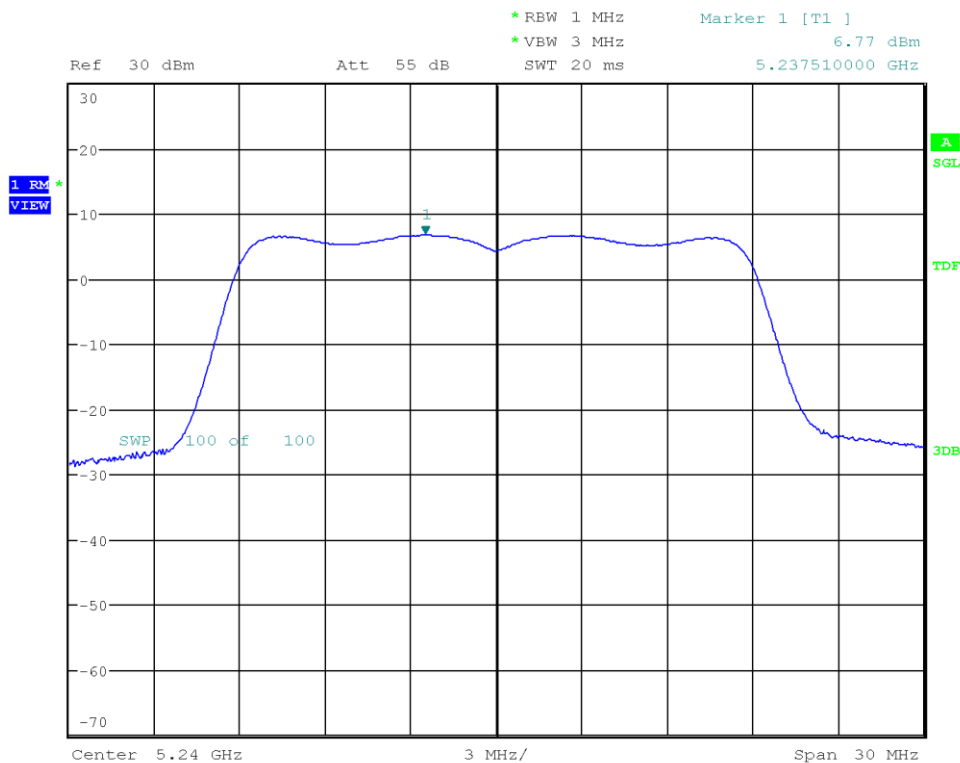
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 48, 5240 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5237.510
 Spectral Density [dBm/RBW]: 6.774
 Resolution Bandwidth [MHz]: 1



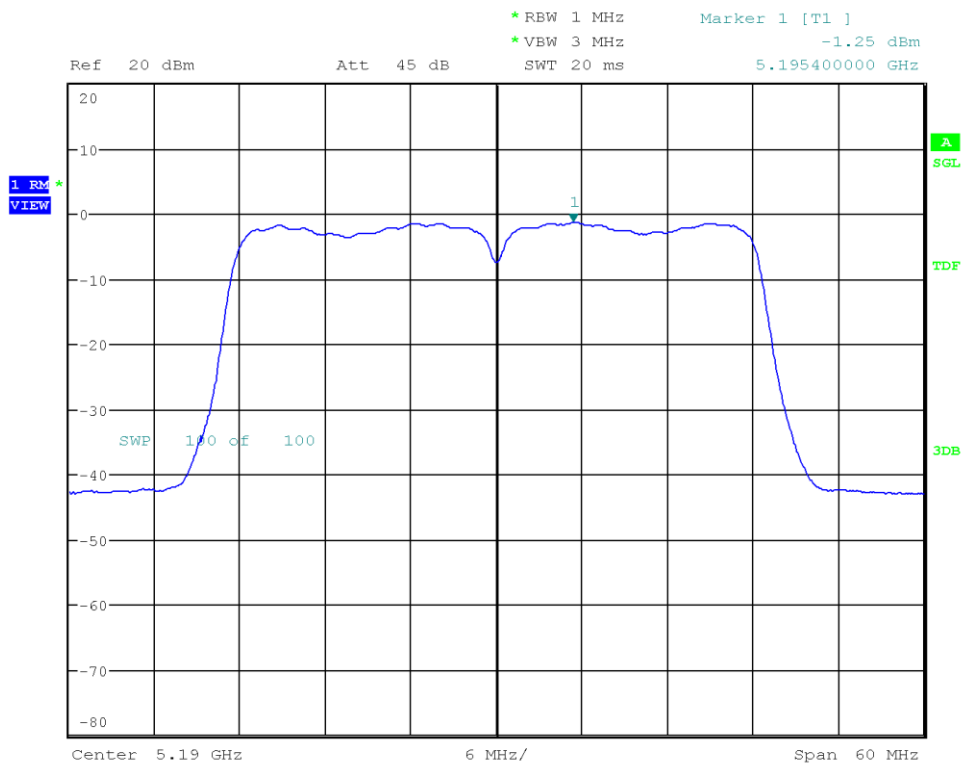
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 38, 5190 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 14
 Maximum Frequency [MHz]: 5195.400
 Spectral Density [dBm/RBW]: -1.250
 Resolution Bandwidth [MHz]: 1



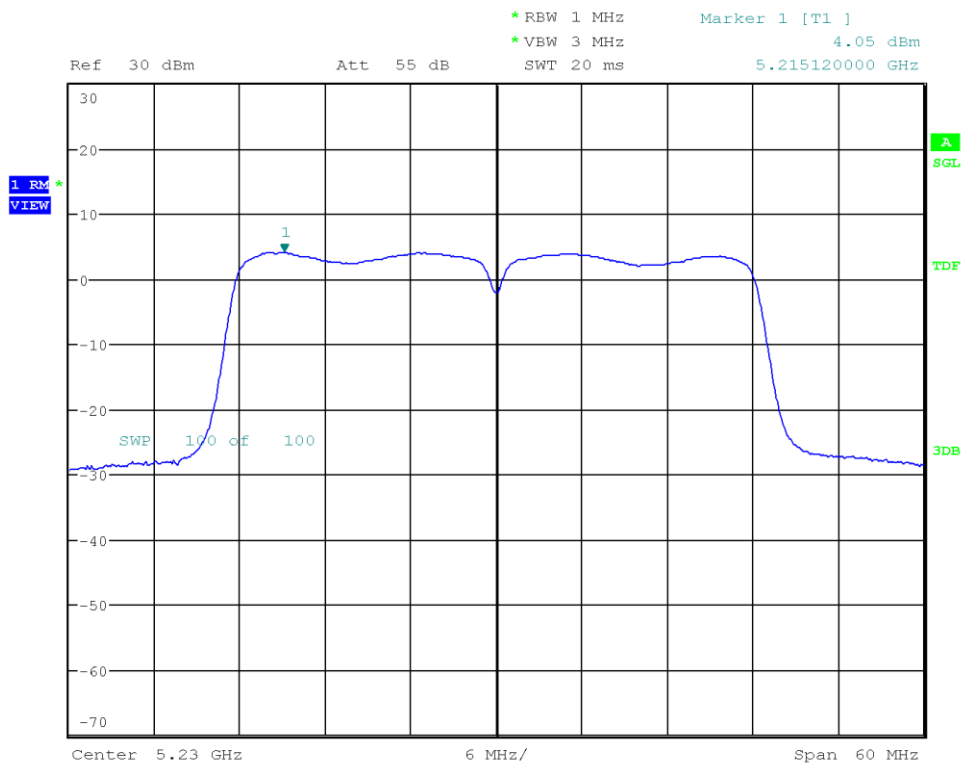
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 46, 5230 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5215.120
 Spectral Density [dBm/RBW]: 4.053
 Resolution Bandwidth [MHz]: 1



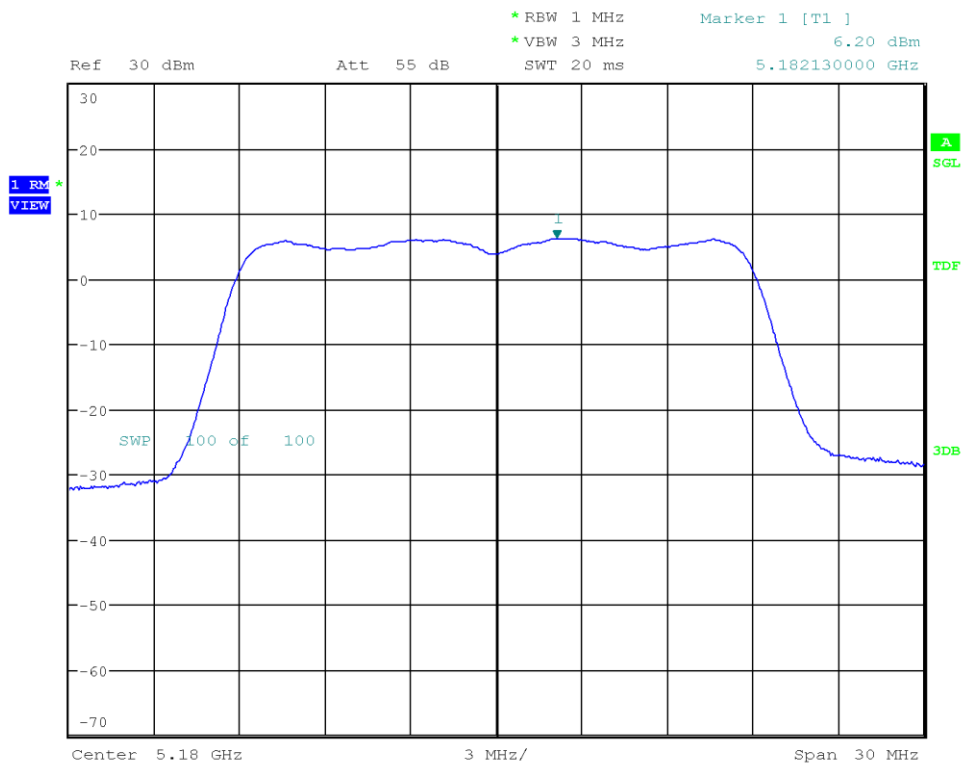
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 36, 5180 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 18
 Maximum Frequency [MHz]: 5182.130
 Spectral Density [dBm/RBW]: 6.202
 Resolution Bandwidth [MHz]: 1



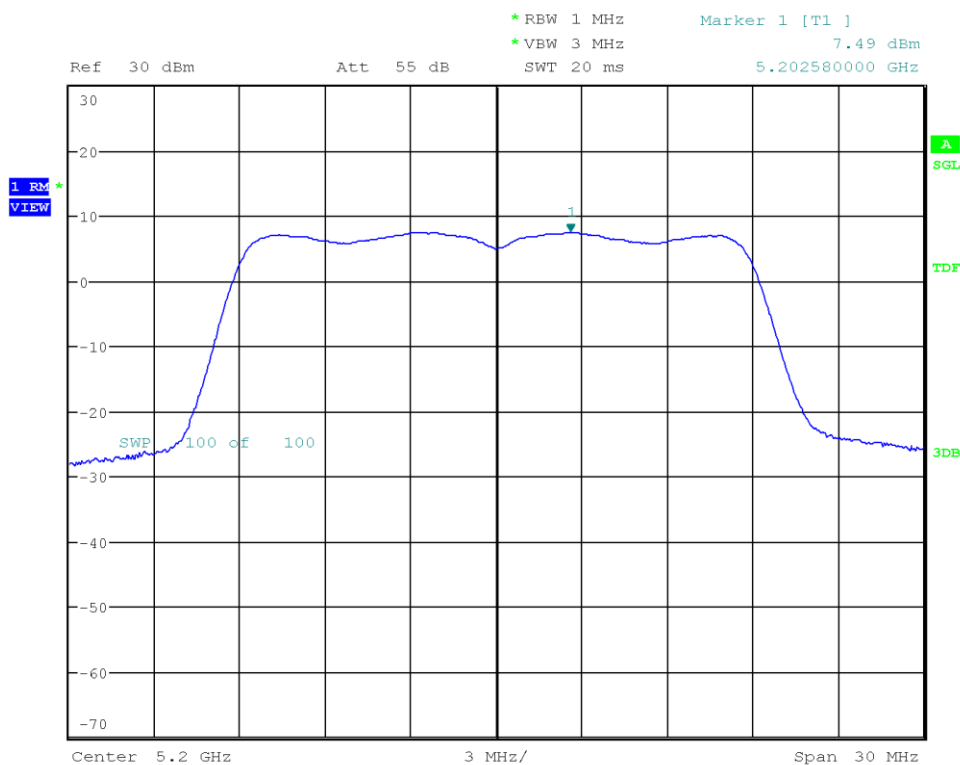
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 40, 5200 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5202.580
 Spectral Density [dBm/RBW]: 7.490
 Resolution Bandwidth [MHz]: 1



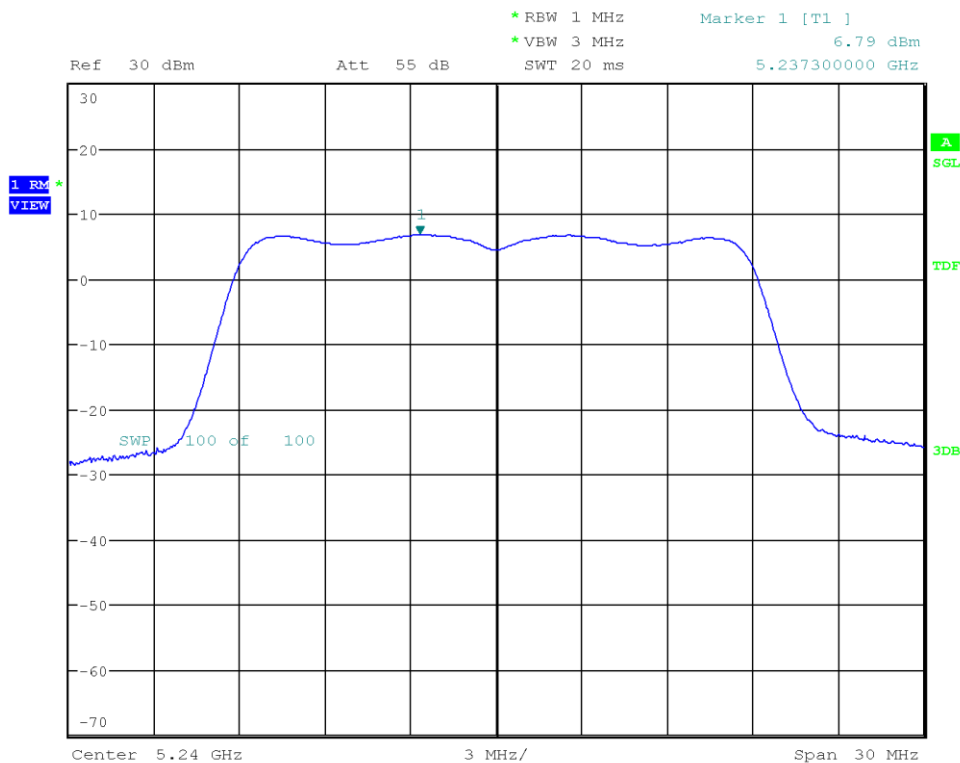
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 48, 5240 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5237.300
 Spectral Density [dBm/RBW]: 6.795
 Resolution Bandwidth [MHz]: 1



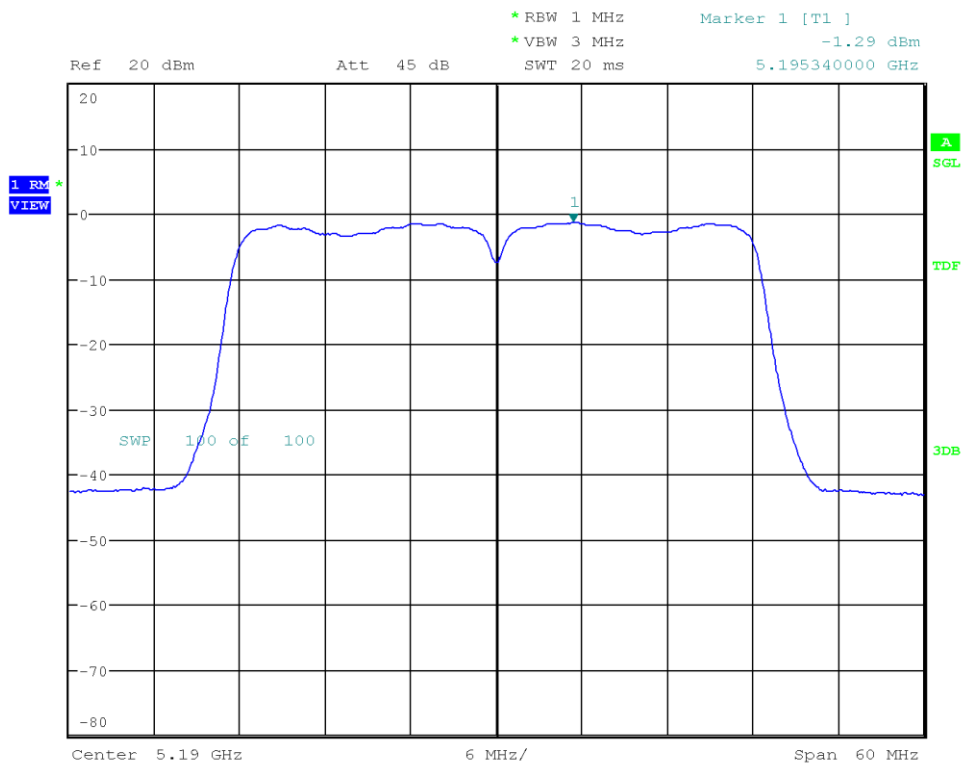
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 38, 5190 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 14
 Maximum Frequency [MHz]: 5195.340
 Spectral Density [dBm/RBW]: -1.286
 Resolution Bandwidth [MHz]: 1



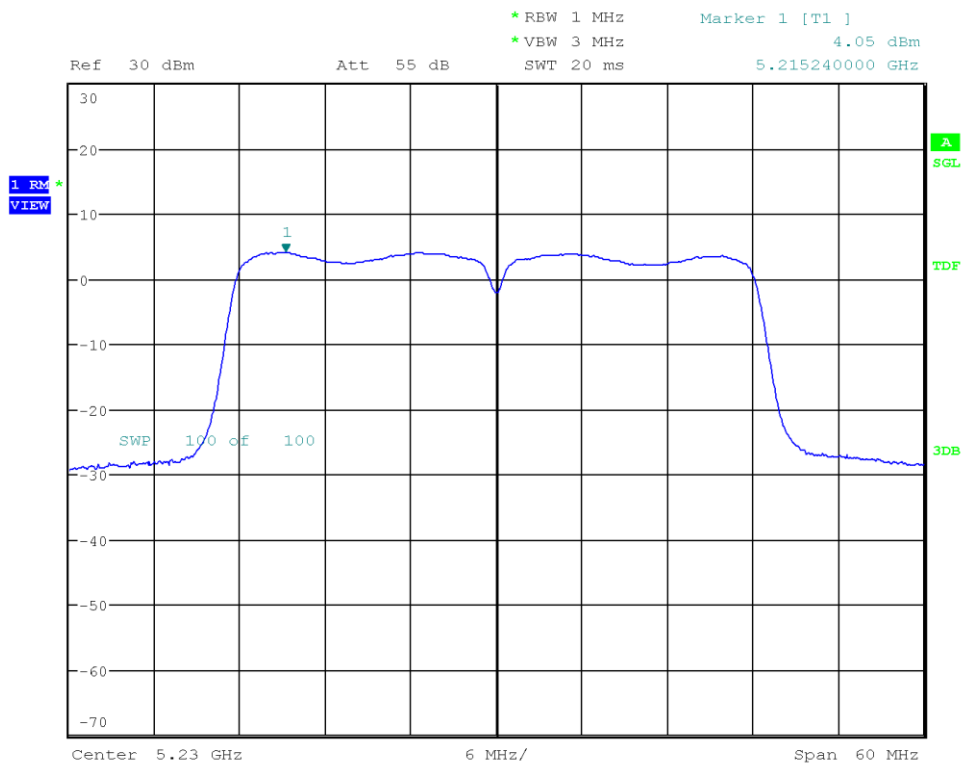
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 46, 5230 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5215.240
 Spectral Density [dBm/RBW]: 4.053
 Resolution Bandwidth [MHz]: 1



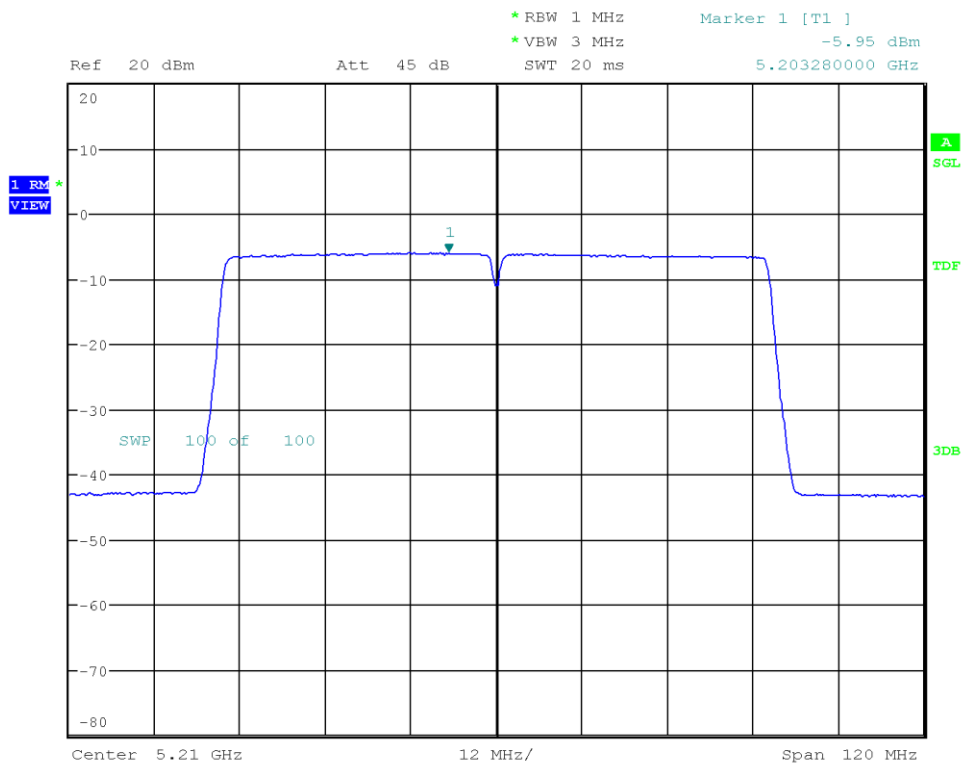
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT80), Channel: 42, 5210 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 13
 Maximum Frequency [MHz]: 5203.280
 Spectral Density [dBm/RBW]: -5.945
 Resolution Bandwidth [MHz]: 1



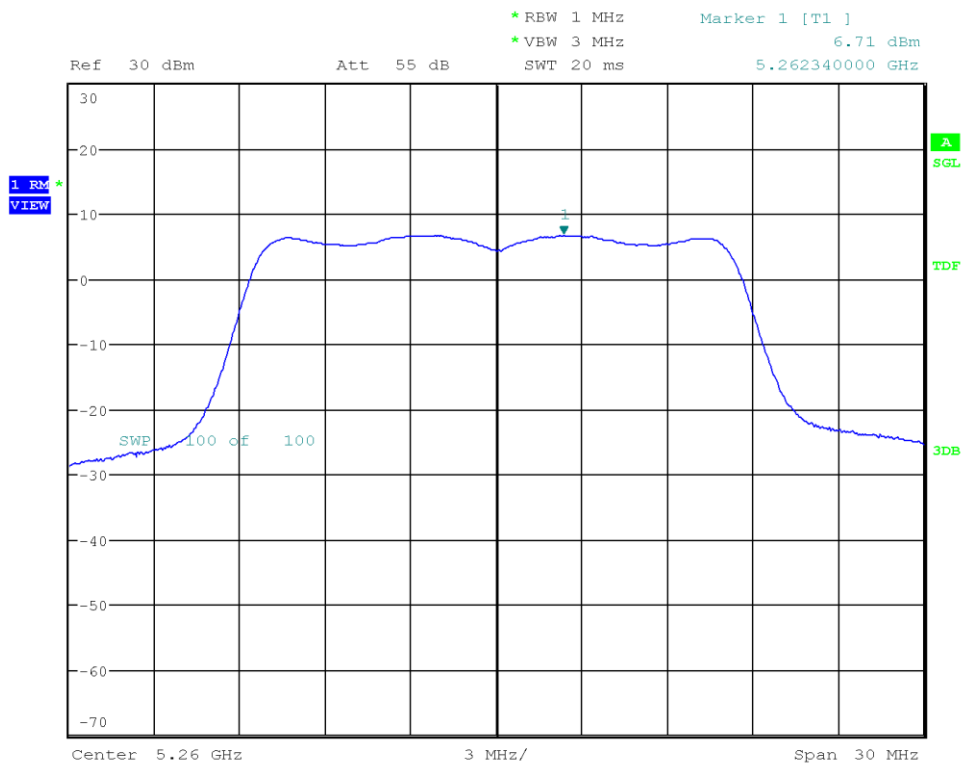
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 52, 5260 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 19
 Maximum Frequency [MHz]: 5262.340
 Spectral Density [dBm/RBW]: 6.709
 Resolution Bandwidth [MHz]: 1



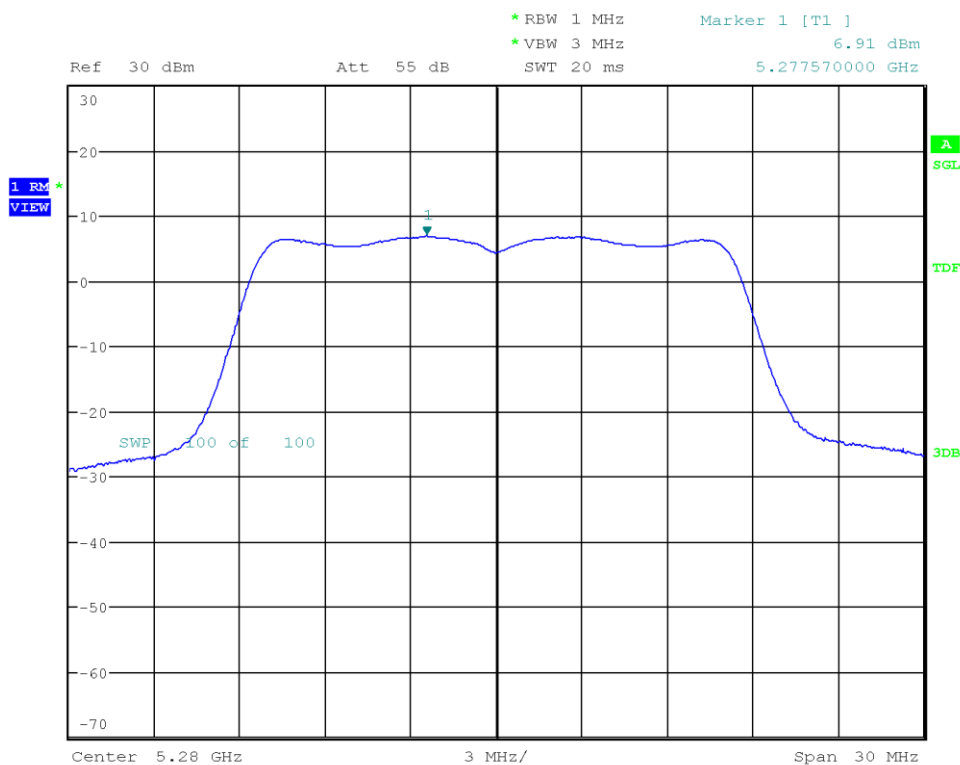
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 56, 5280 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 19
 Maximum Frequency [MHz]: 5277.570
 Spectral Density [dBm/RBW]: 6.905
 Resolution Bandwidth [MHz]: 1



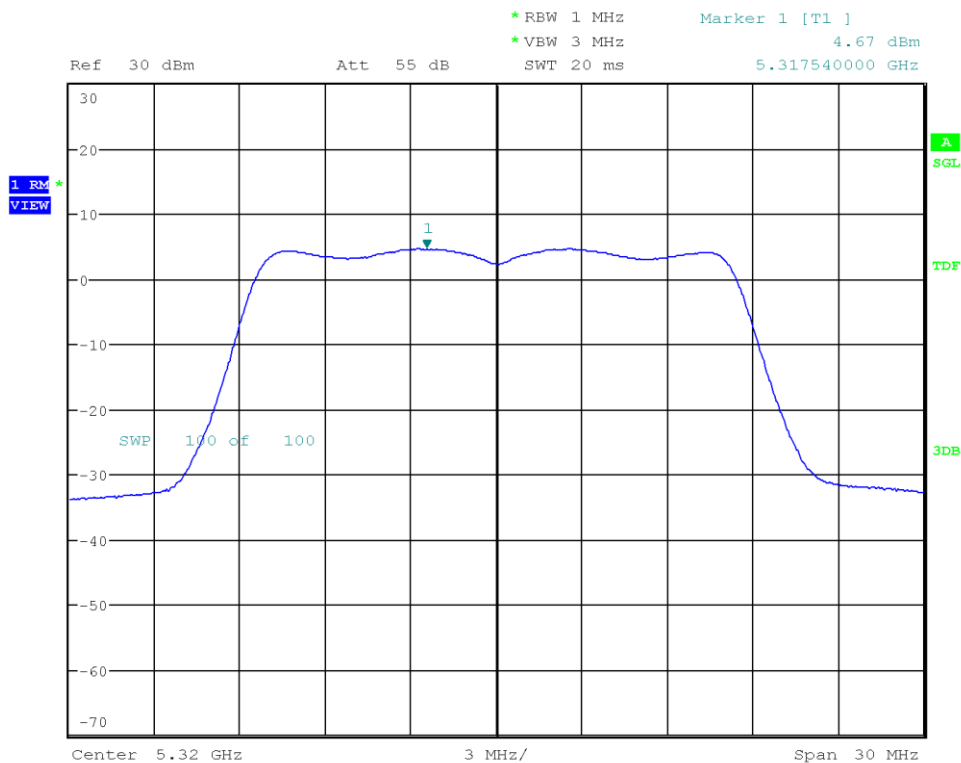
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 64, 5320 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 17
 Maximum Frequency [MHz]: 5317.540
 Spectral Density [dBm/RBW]: 4.671
 Resolution Bandwidth [MHz]: 1



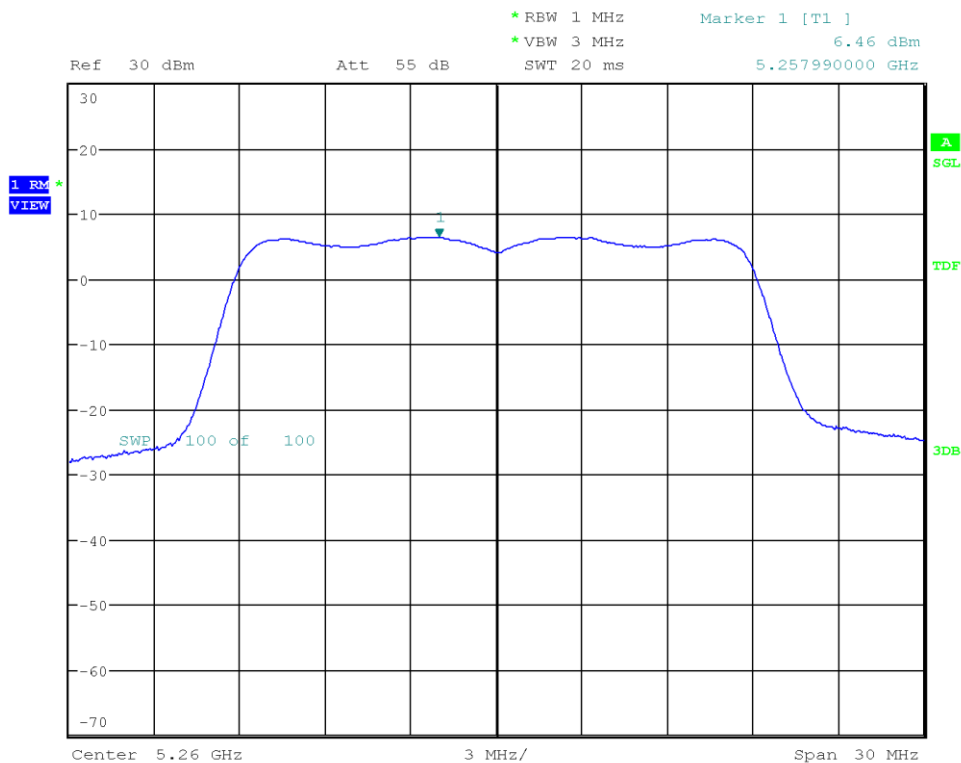
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 52, 5260 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5257.990
 Spectral Density [dBm/RBW]: 6.459
 Resolution Bandwidth [MHz]: 1



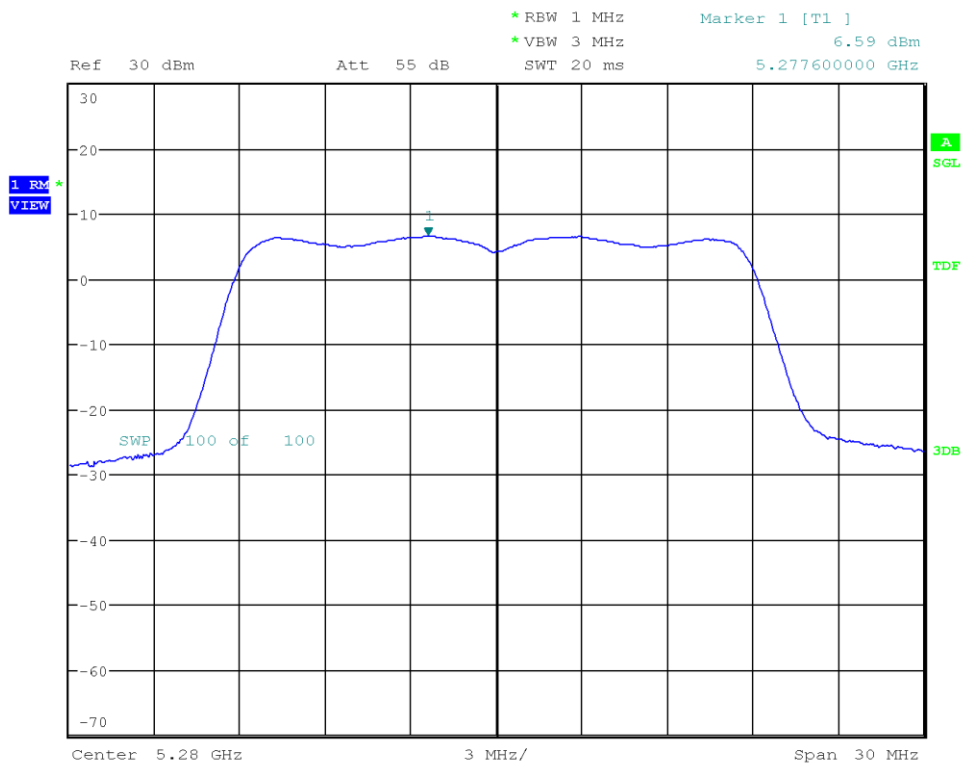
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 56, 5280 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5277.600
 Spectral Density [dBm/RBW]: 6.592
 Resolution Bandwidth [MHz]: 1



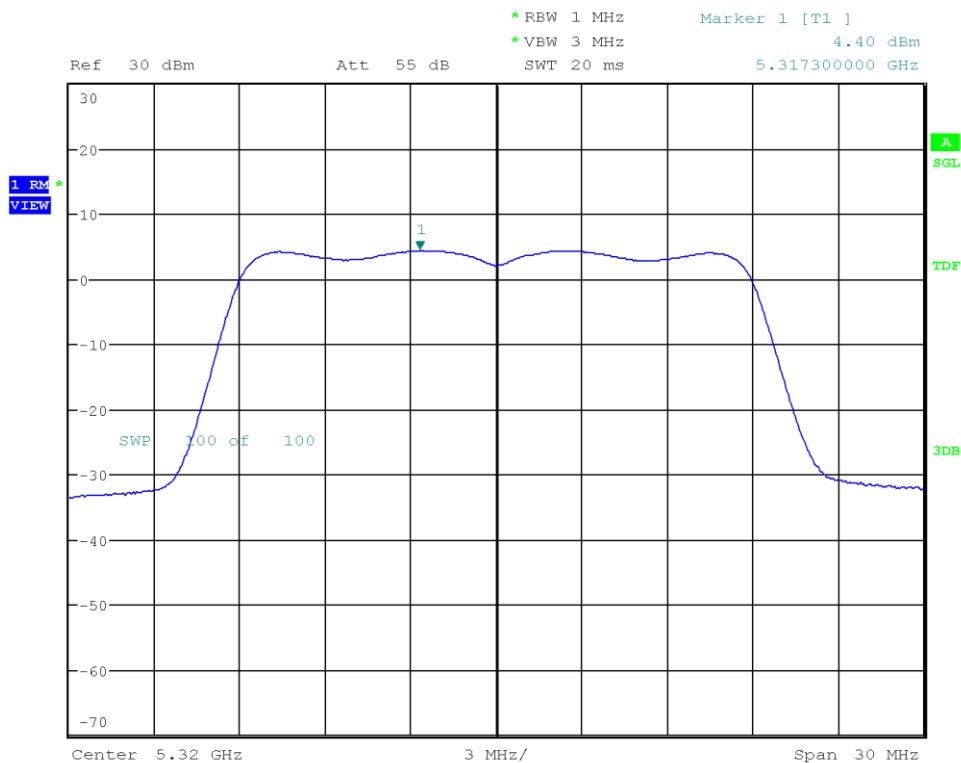
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 64, 5320 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 17
 Maximum Frequency [MHz]: 5317.300
 Spectral Density [dBm/RBW]: 4.403
 Resolution Bandwidth [MHz]: 1



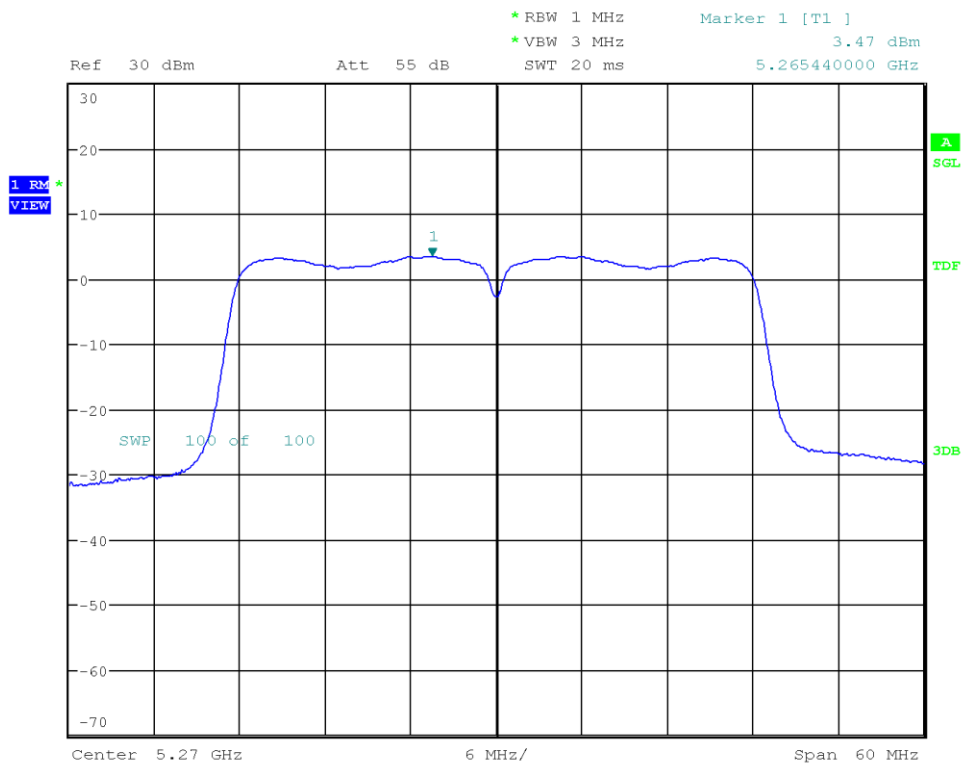
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 54, 5270 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5265.440
 Spectral Density [dBm/RBW]: 3.472
 Resolution Bandwidth [MHz]: 1



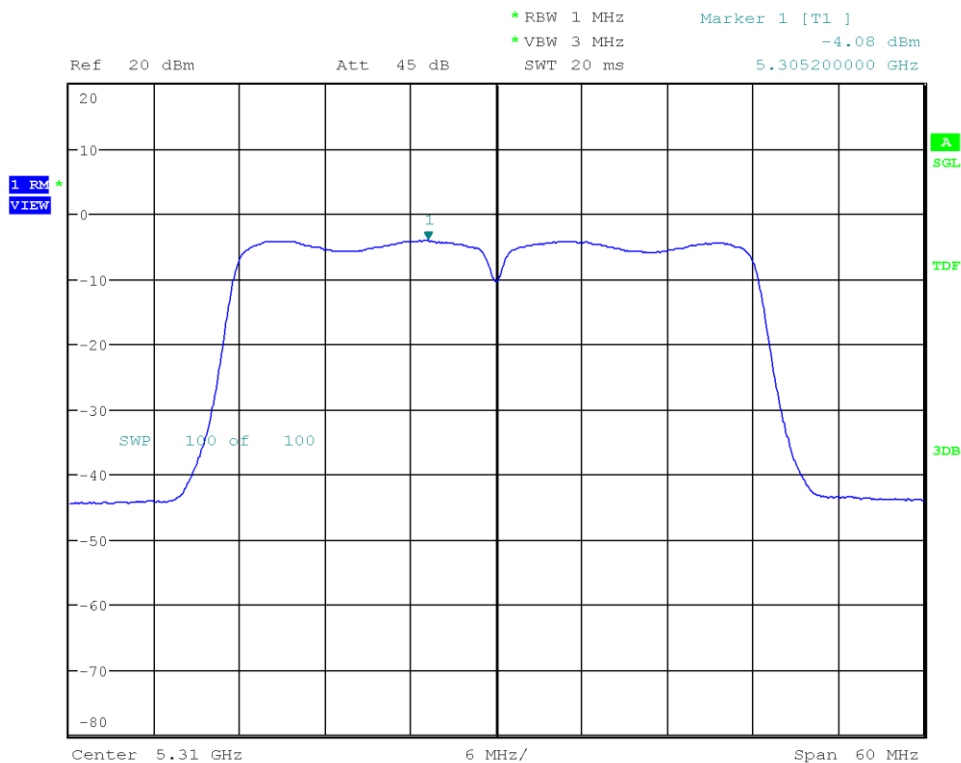
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 62, 5310 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 13
 Maximum Frequency [MHz]: 5305.200
 Spectral Density [dBm/RBW]: -4.084
 Resolution Bandwidth [MHz]: 1



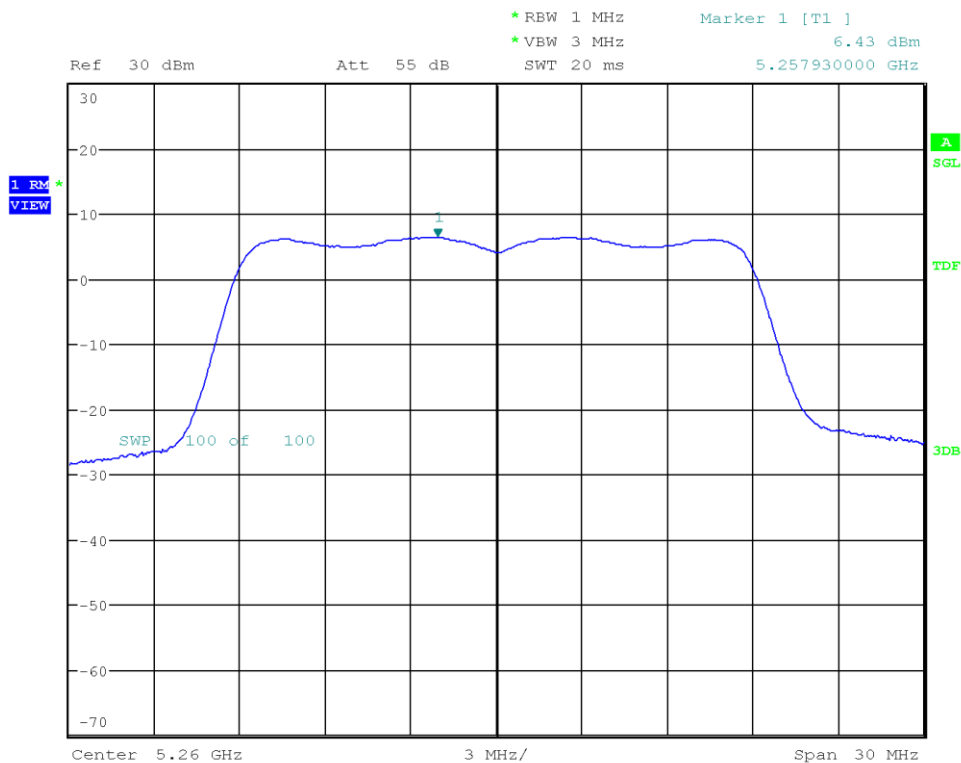
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 52, 5260 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5257.930
 Spectral Density [dBm/RBW]: 6.433
 Resolution Bandwidth [MHz]: 1



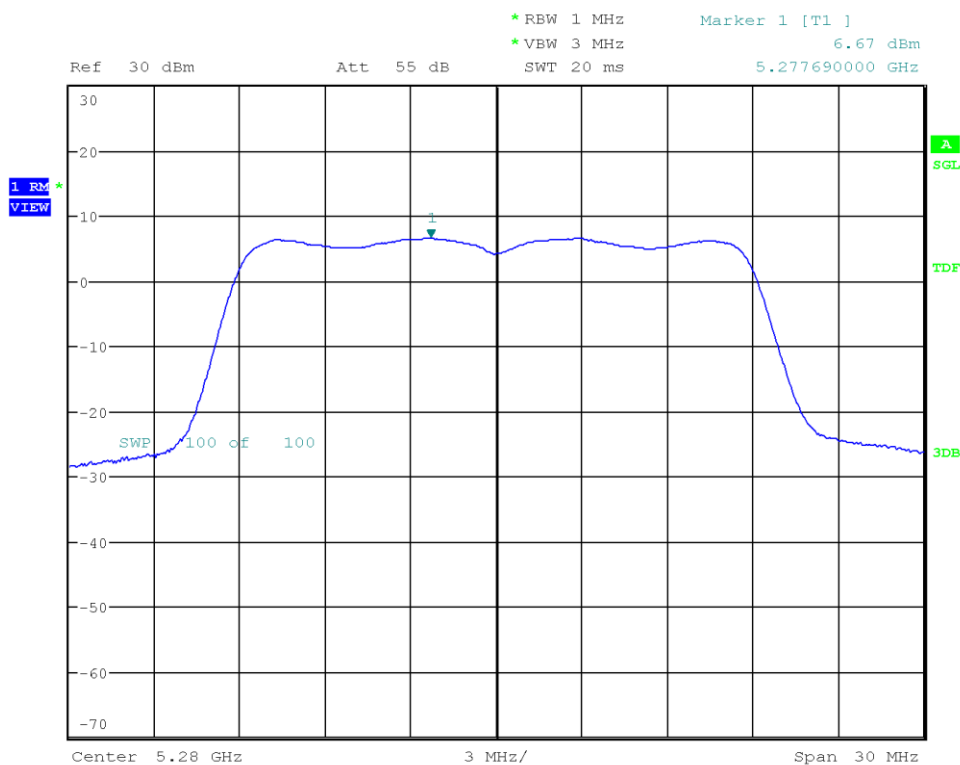
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 56, 5280 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5277.690
 Spectral Density [dBm/RBW]: 6.671
 Resolution Bandwidth [MHz]: 1



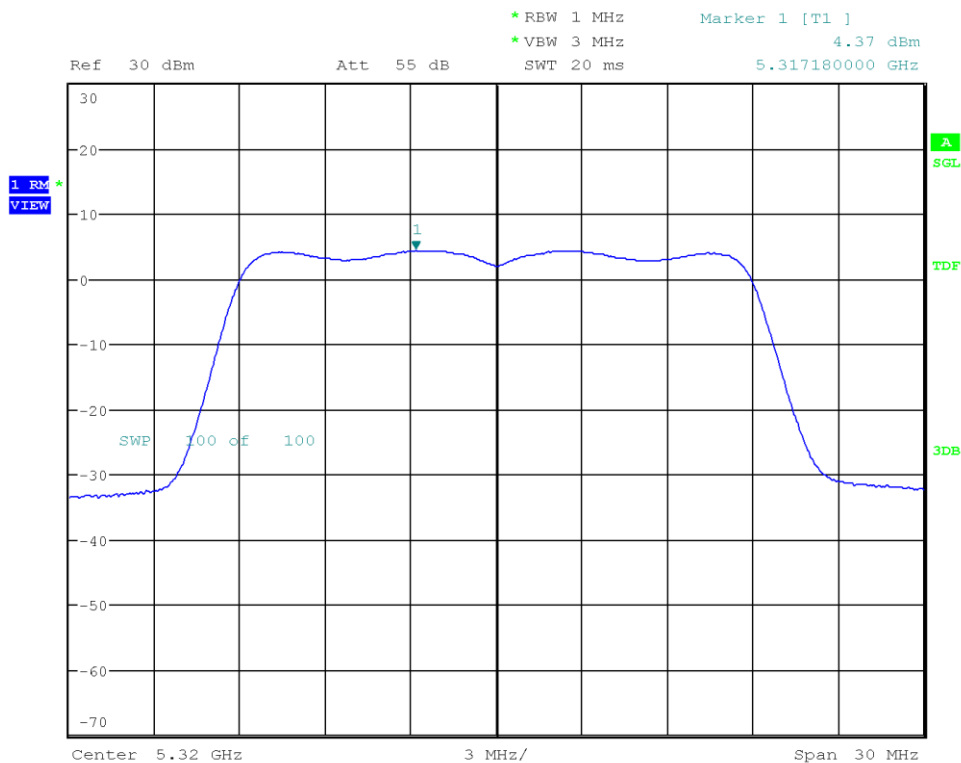
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 64, 5320 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 17
 Maximum Frequency [MHz]: 5317.180
 Spectral Density [dBm/RBW]: 4.370
 Resolution Bandwidth [MHz]: 1



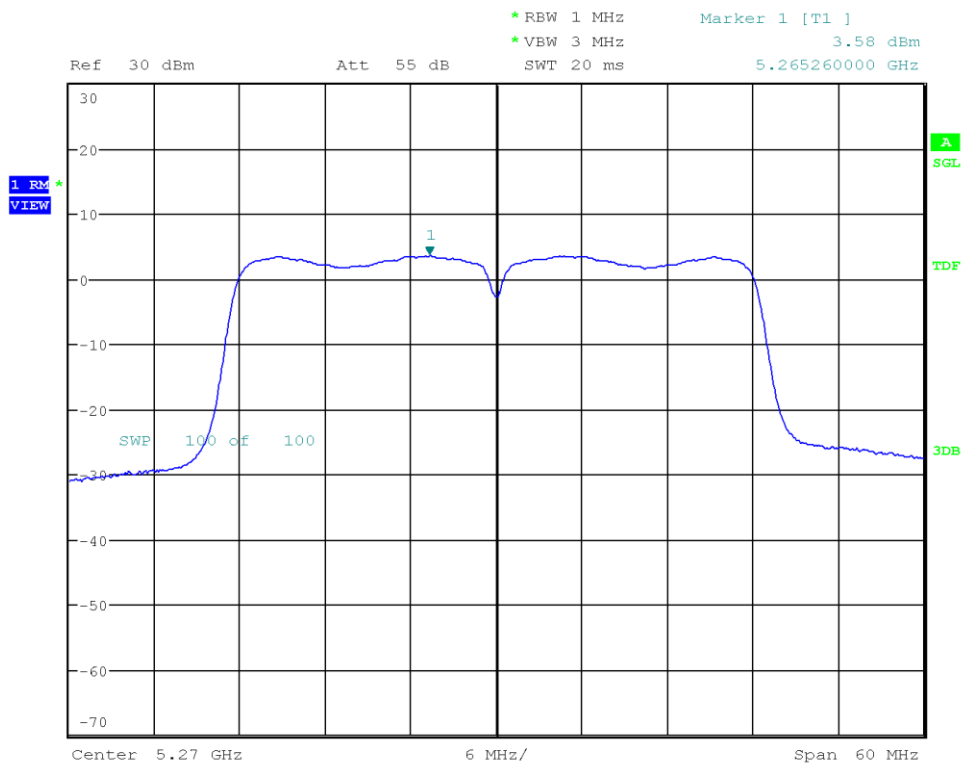
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 54, 5270 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5265.260
 Spectral Density [dBm/RBW]: 3.580
 Resolution Bandwidth [MHz]: 1



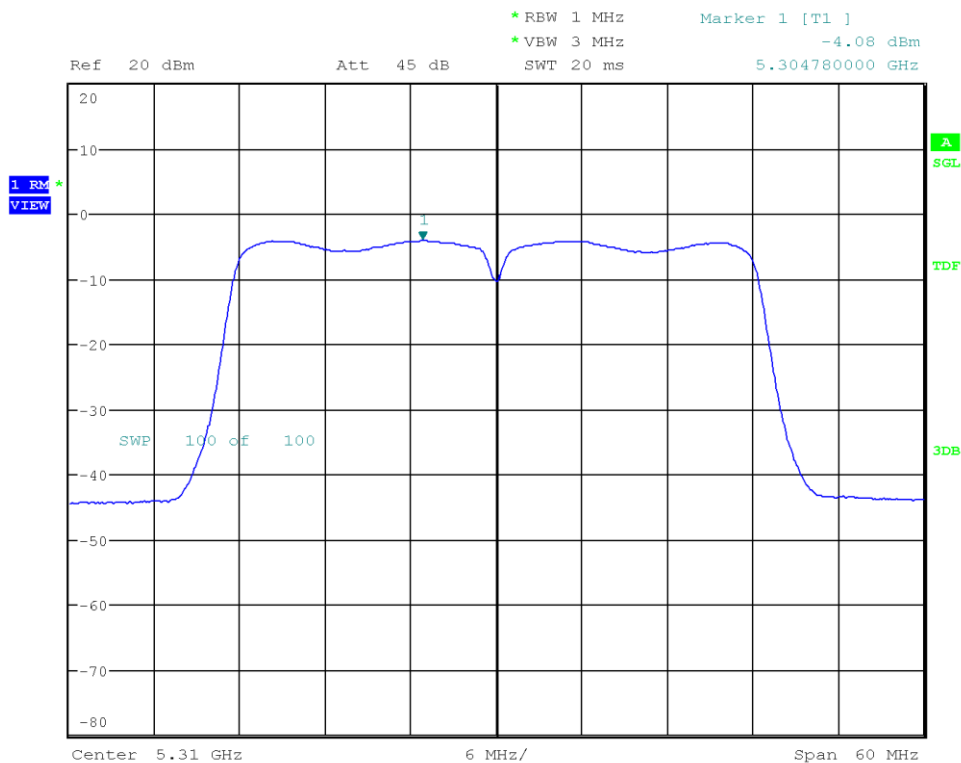
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 62, 5310 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 13
 Maximum Frequency [MHz]: 5304.780
 Spectral Density [dBm/RBW]: -4.079
 Resolution Bandwidth [MHz]: 1



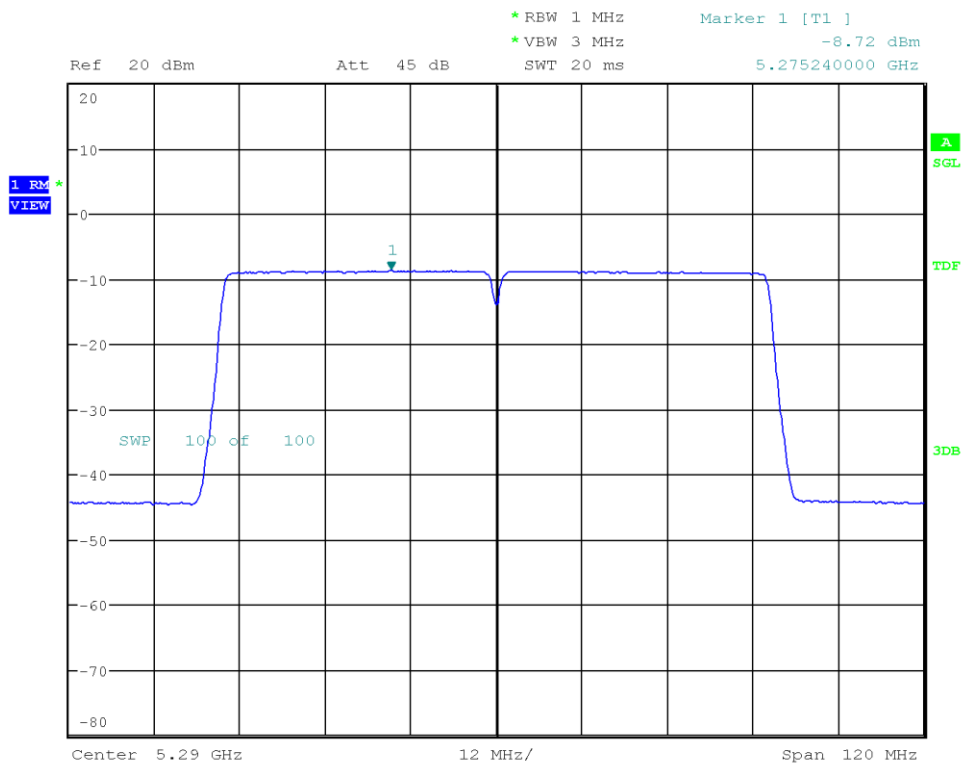
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT80), Channel: 58, 5290 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 12
 Maximum Frequency [MHz]: 5275.240
 Spectral Density [dBm/RBW]: -8.723
 Resolution Bandwidth [MHz]: 1



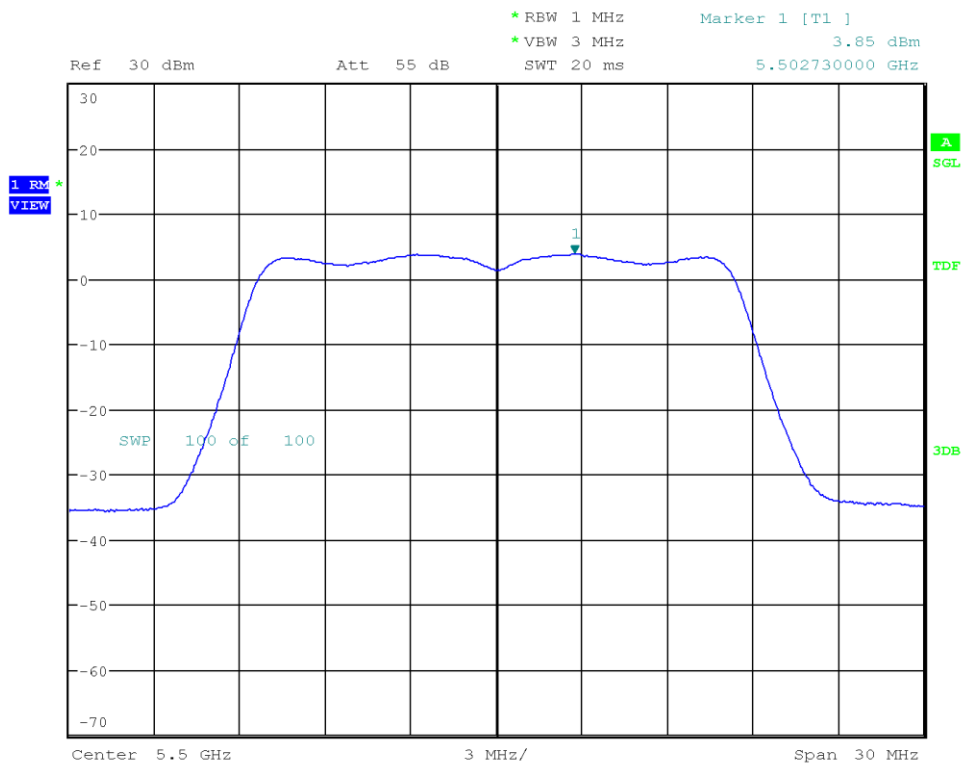
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 100, 5500 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 17
 Maximum Frequency [MHz]: 5502.730
 Spectral Density [dBm/RBW]: 3.846
 Resolution Bandwidth [MHz]: 1



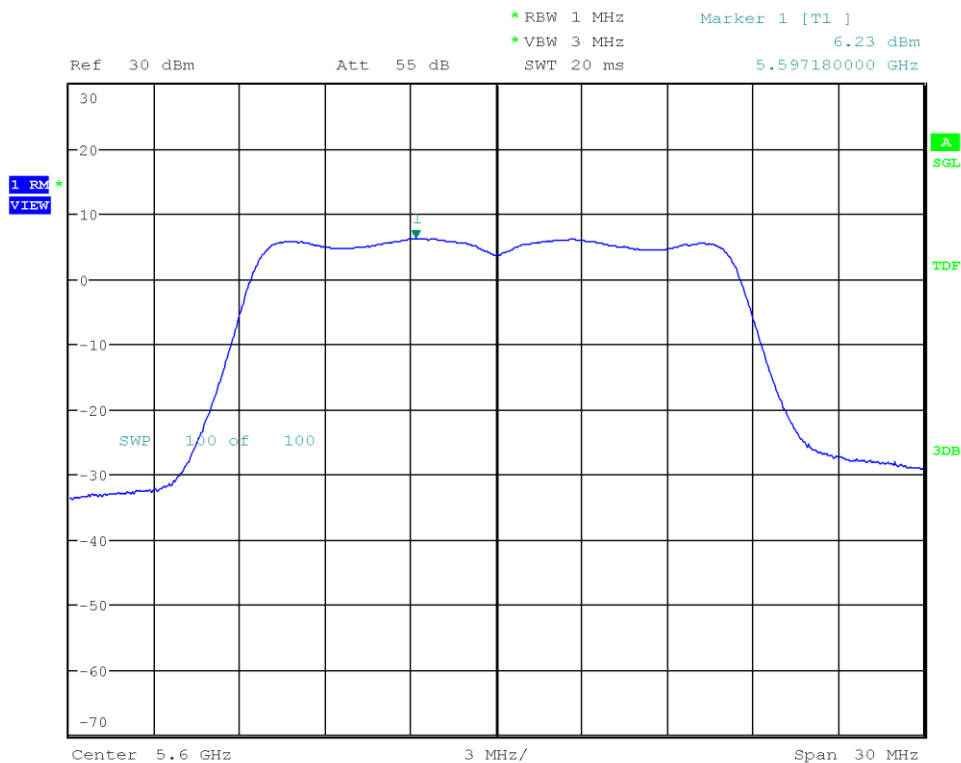
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 120, 5600 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 19
 Maximum Frequency [MHz]: 5597.180
 Spectral Density [dBm/RBW]: 6.234
 Resolution Bandwidth [MHz]: 1



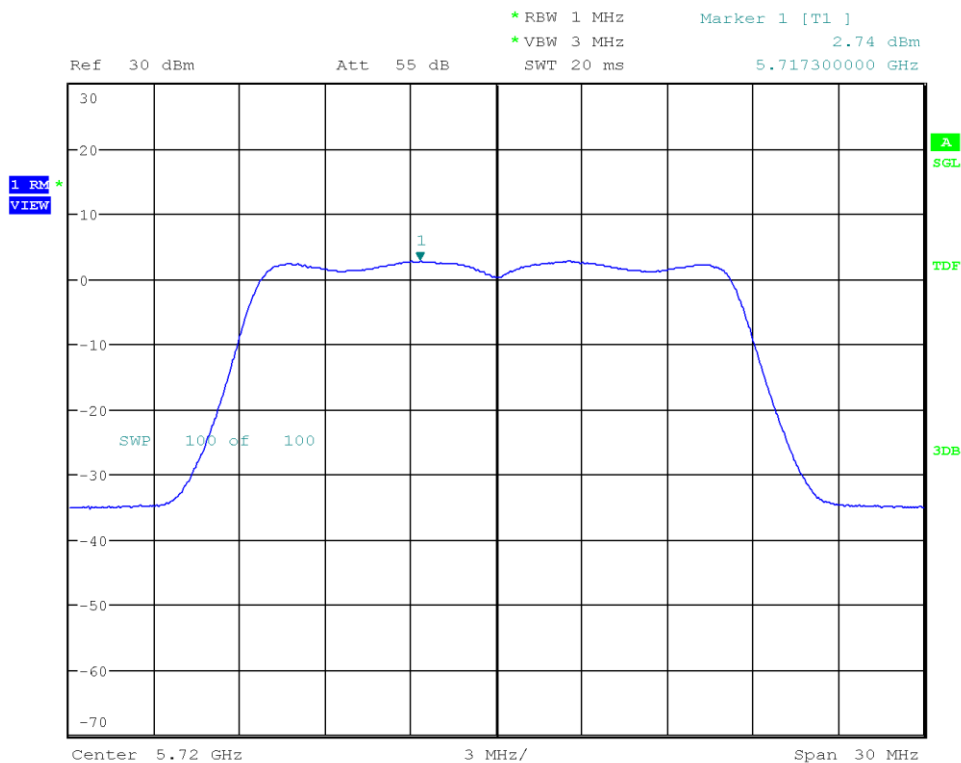
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 144, 5720 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 17
 Maximum Frequency [MHz]: 5717.300
 Spectral Density [dBm/RBW]: 2.744
 Resolution Bandwidth [MHz]: 1



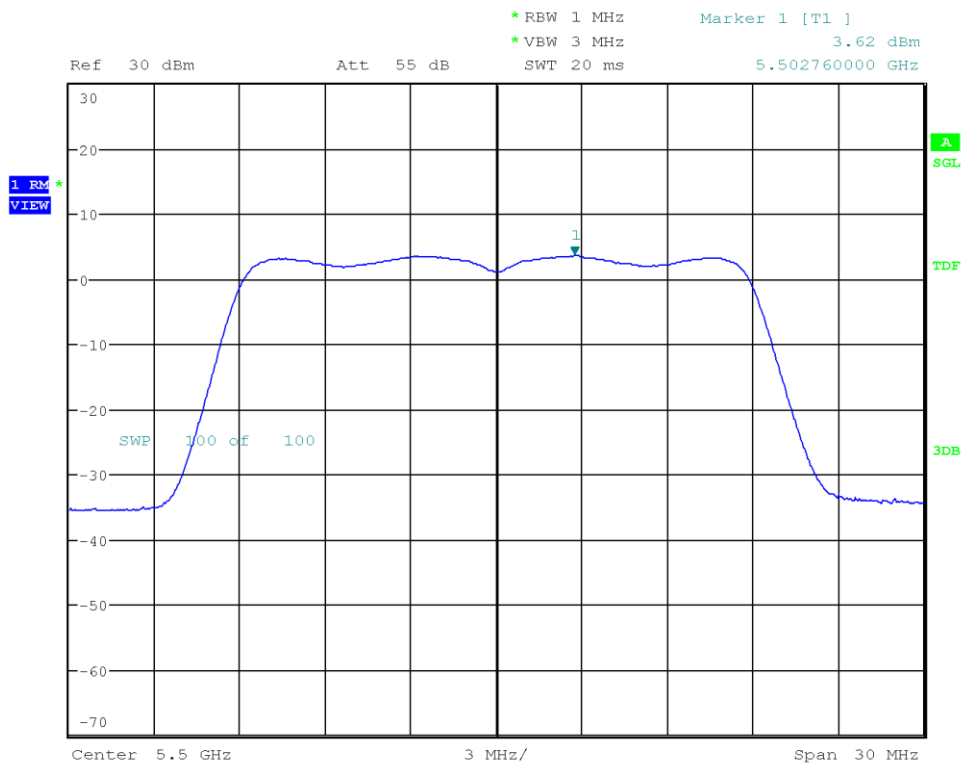
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 100, 5500 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 17
 Maximum Frequency [MHz]: 5502.760
 Spectral Density [dBm/RBW]: 3.621
 Resolution Bandwidth [MHz]: 1



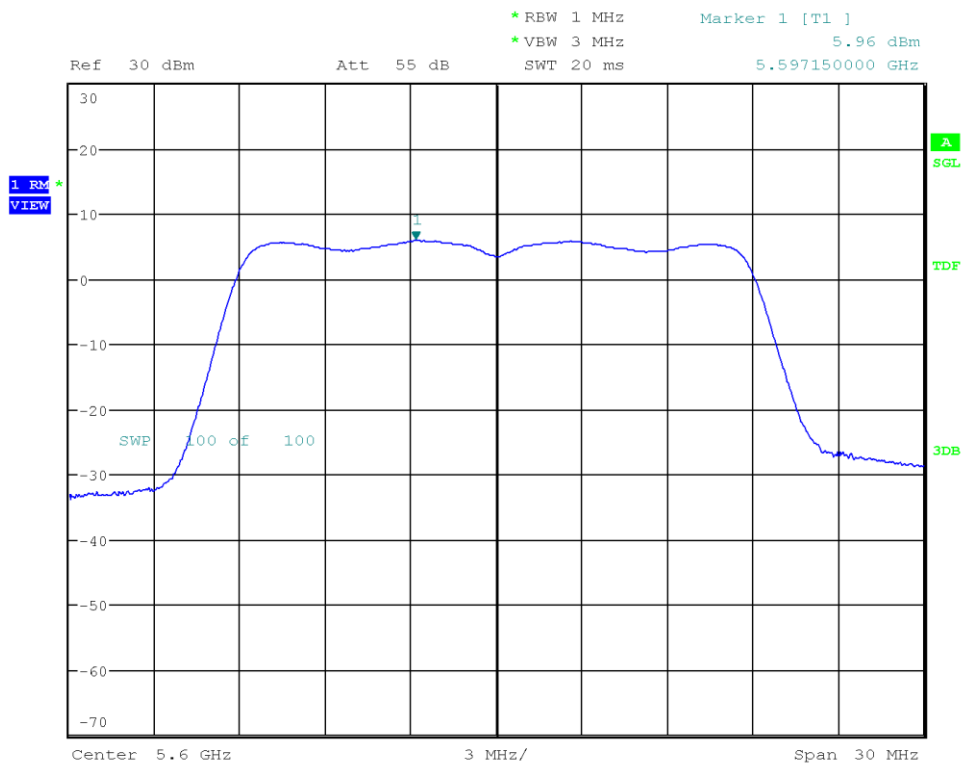
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 120, 5600 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5597.150
 Spectral Density [dBm/RBW]: 5.960
 Resolution Bandwidth [MHz]: 1



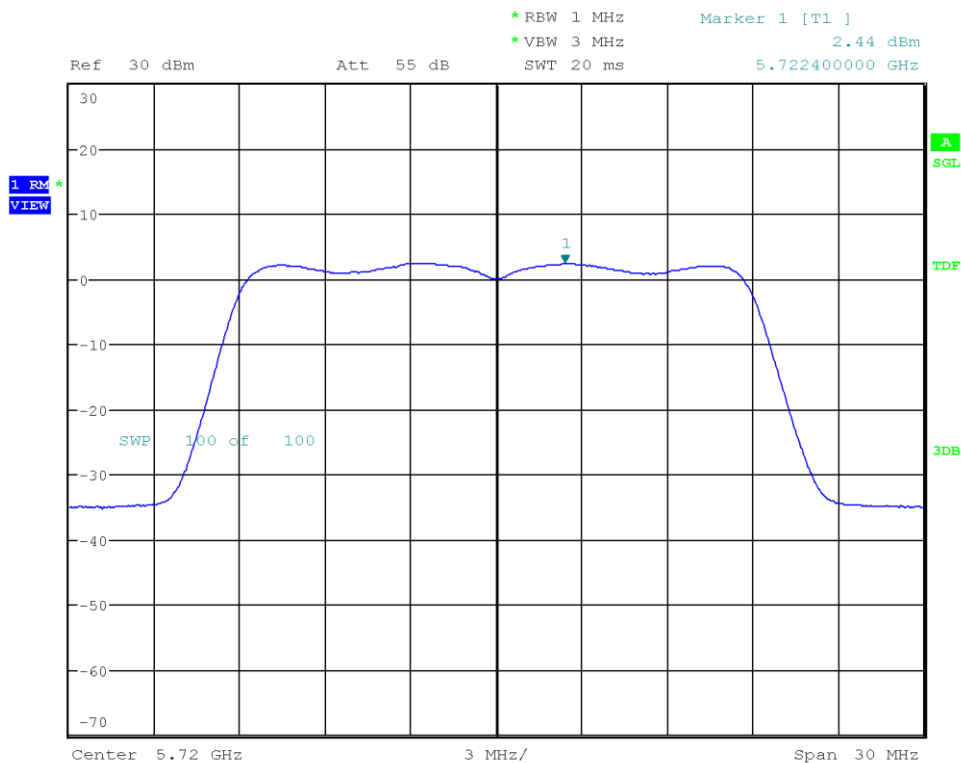
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 144, 5720 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 17
 Maximum Frequency [MHz]: 5722.400
 Spectral Density [dBm/RBW]: 2.441
 Resolution Bandwidth [MHz]: 1



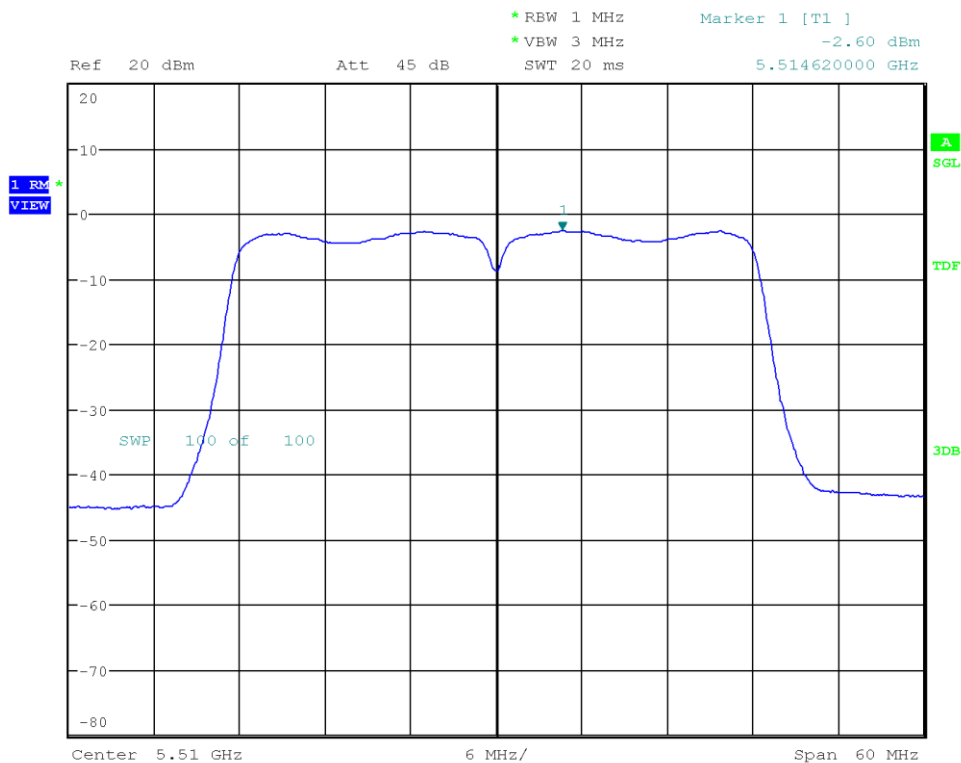
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 102, 5510 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 14
 Maximum Frequency [MHz]: 5514.620
 Spectral Density [dBm/RBW]: -2.602
 Resolution Bandwidth [MHz]: 1



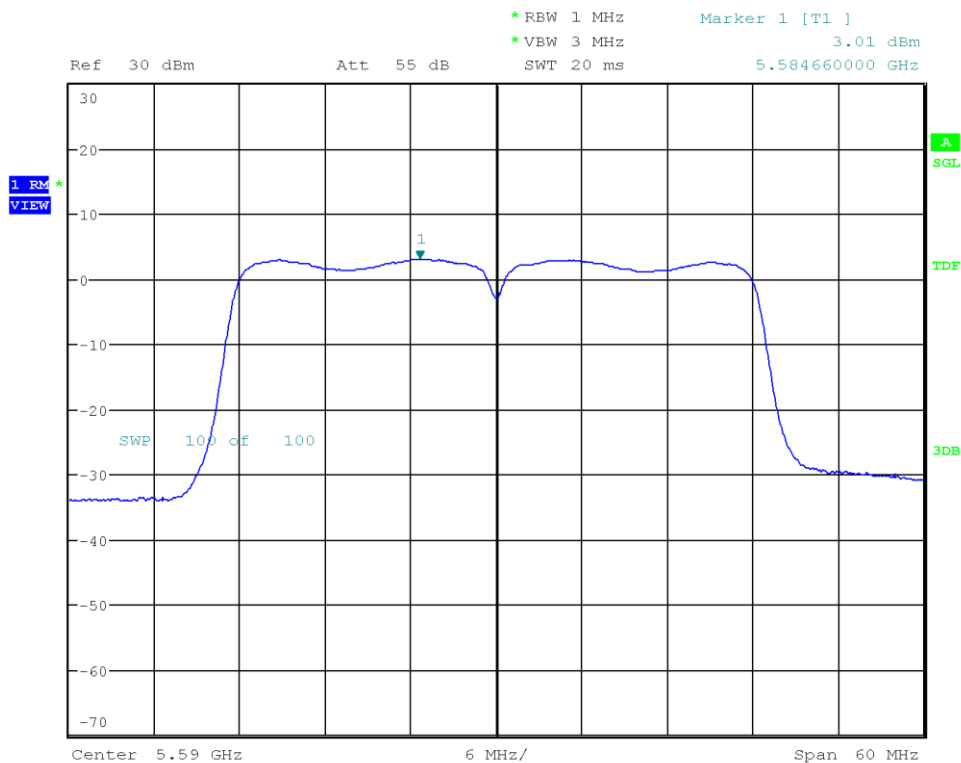
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 118, 5590 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5584.660
 Spectral Density [dBm/RBW]: 3.008
 Resolution Bandwidth [MHz]: 1



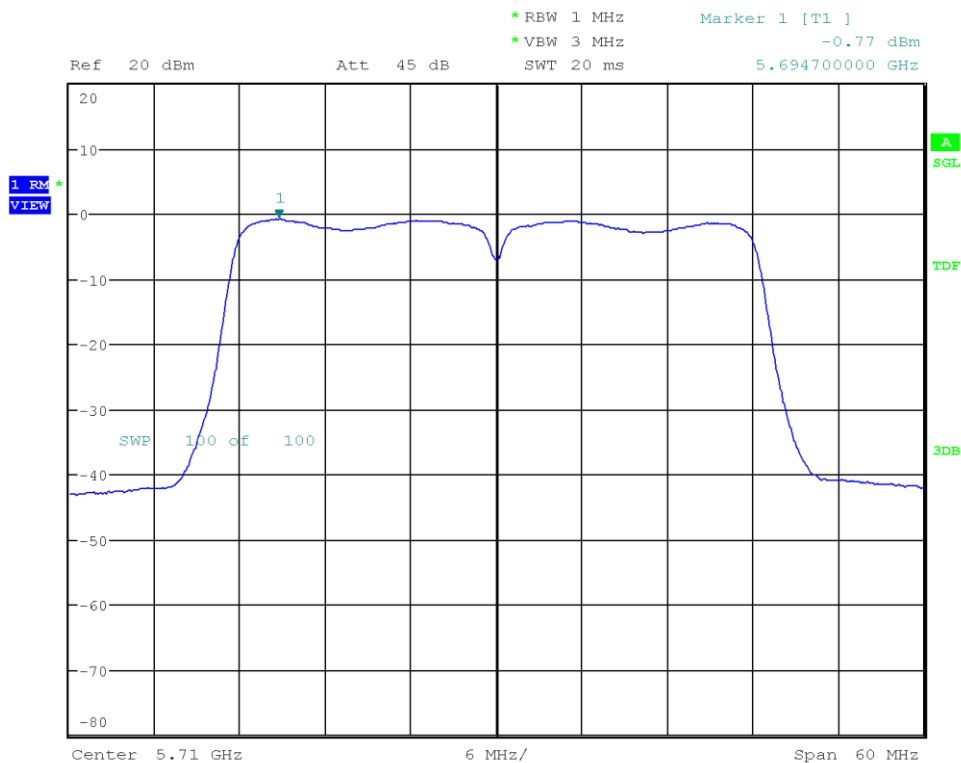
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 142, 5710 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 16
 Maximum Frequency [MHz]: 5694.700
 Spectral Density [dBm/RBW]: -0.770
 Resolution Bandwidth [MHz]: 1



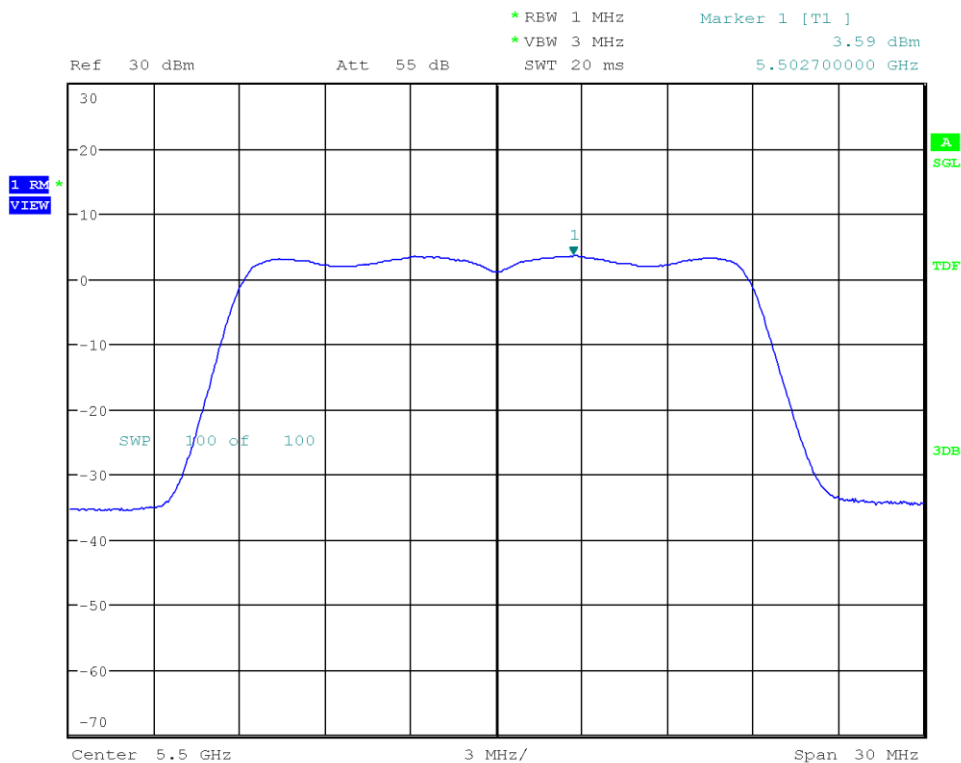
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 100, 5500 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 17
 Maximum Frequency [MHz]: 5502.700
 Spectral Density [dBm/RBW]: 3.593
 Resolution Bandwidth [MHz]: 1



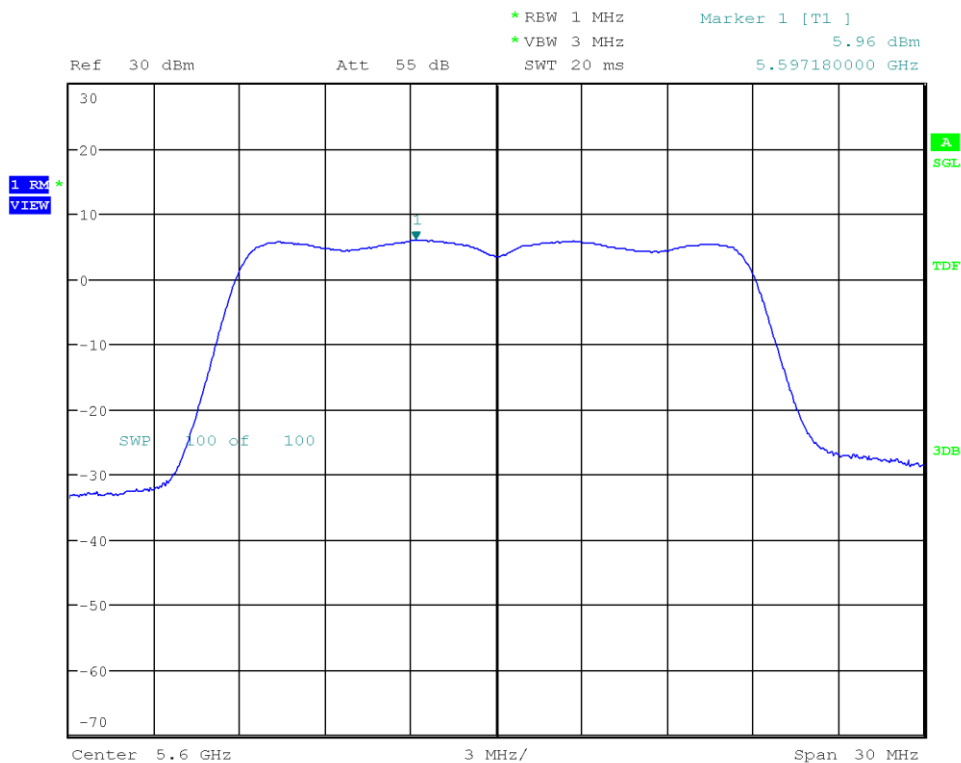
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 120, 5600 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5597.180
 Spectral Density [dBm/RBW]: 5.955
 Resolution Bandwidth [MHz]: 1



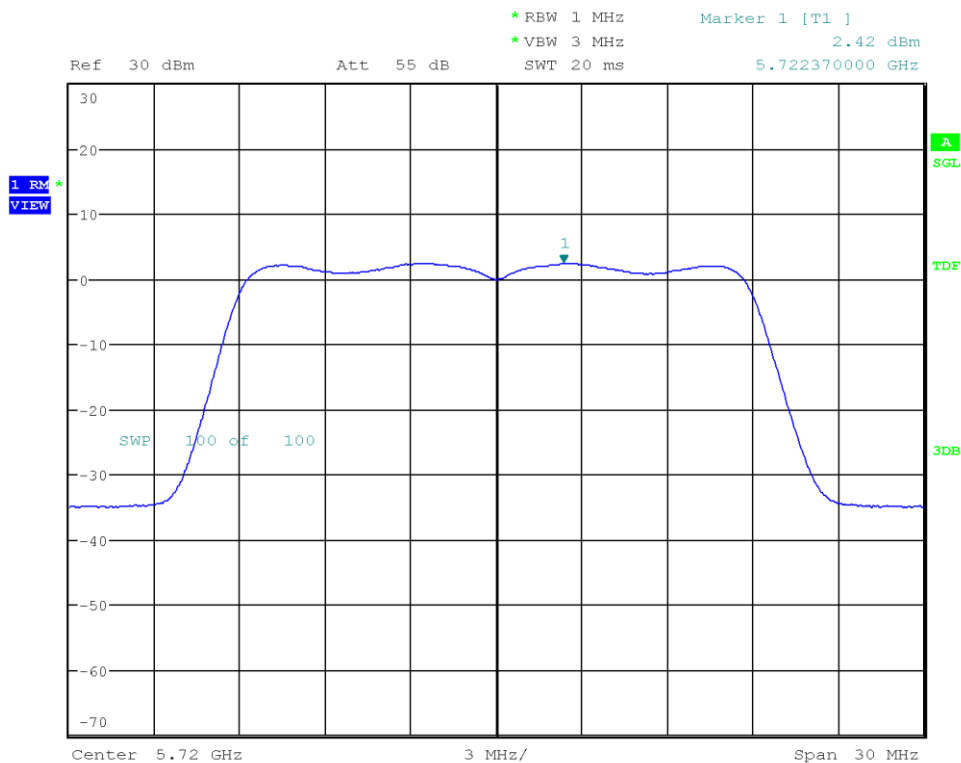
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 144, 5720 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 17
 Maximum Frequency [MHz]: 5722.370
 Spectral Density [dBm/RBW]: 2.419
 Resolution Bandwidth [MHz]: 1



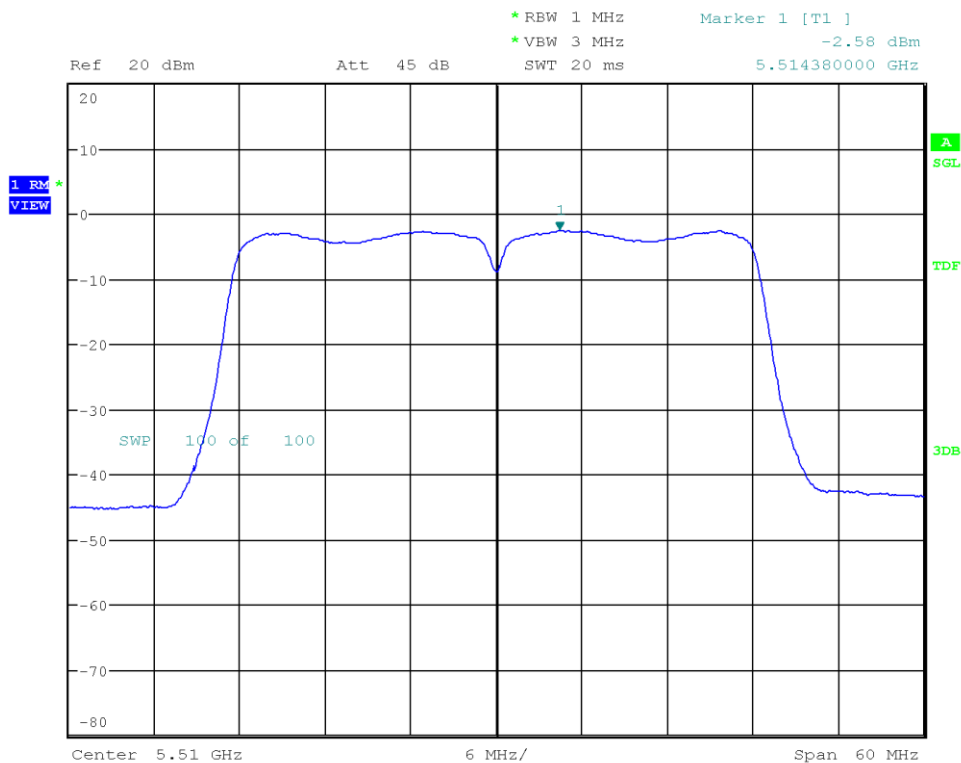
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 102, 5510 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 14
 Maximum Frequency [MHz]: 5514.380
 Spectral Density [dBm/RBW]: -2.577
 Resolution Bandwidth [MHz]: 1



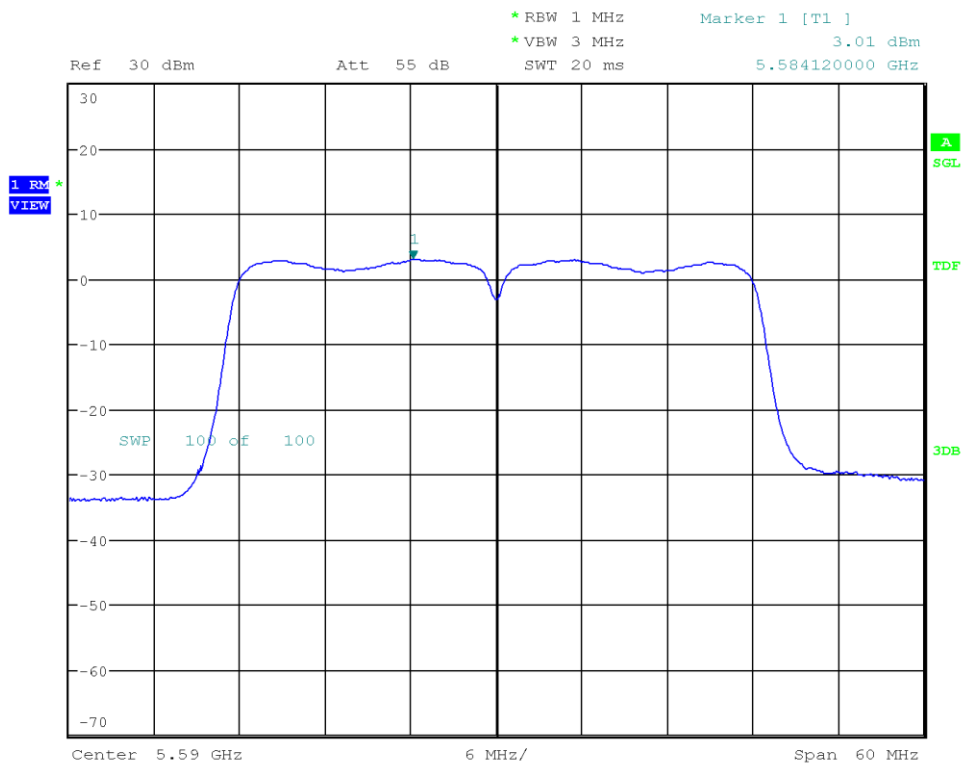
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 118, 5590 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5584.120
 Spectral Density [dBm/RBW]: 3.013
 Resolution Bandwidth [MHz]: 1



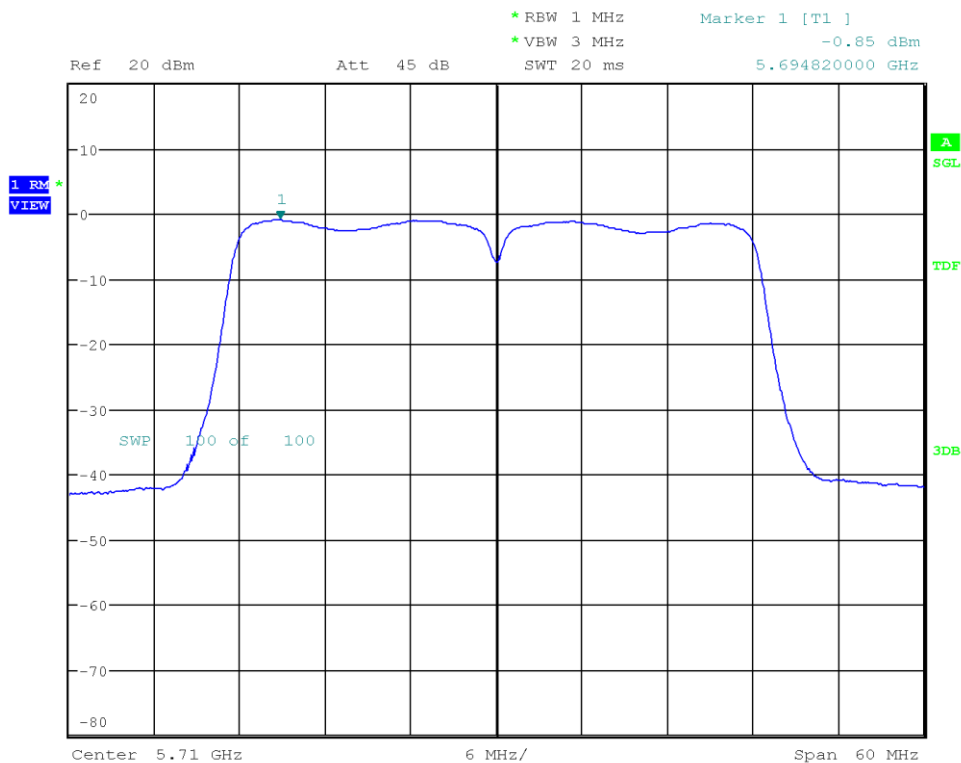
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 142, 5710 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 16
 Maximum Frequency [MHz]: 5694.820
 Spectral Density [dBm/RBW]: -0.854
 Resolution Bandwidth [MHz]: 1



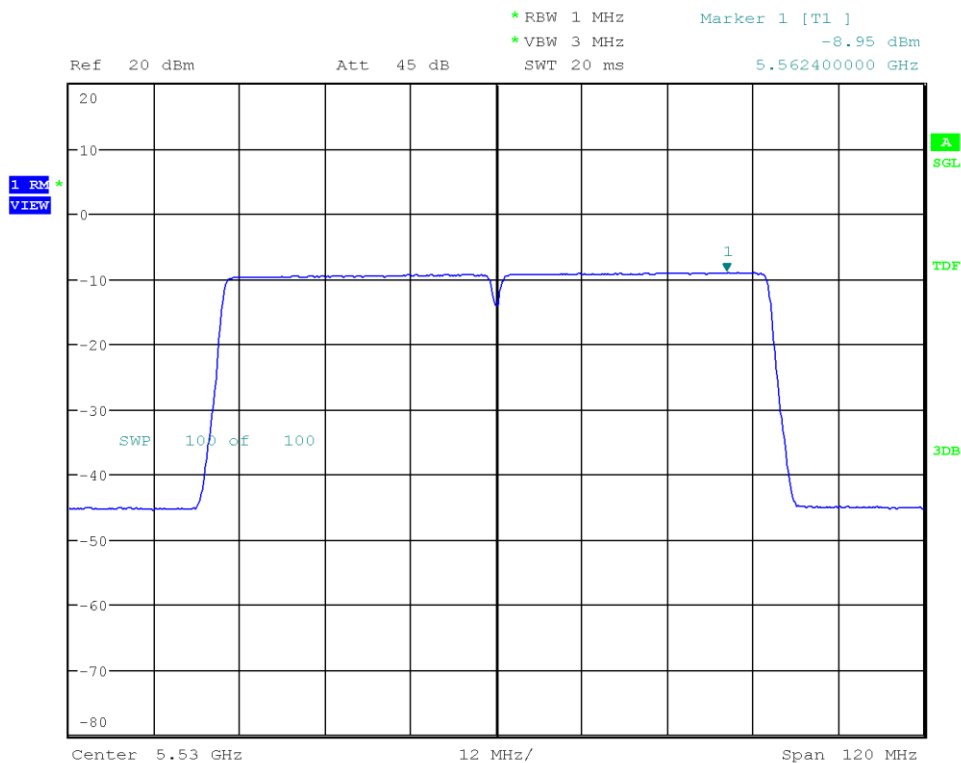
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT80), Channel: 106, 5530 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 11
 Maximum Frequency [MHz]: 5562.400
 Spectral Density [dBm/RBW]: -8.954
 Resolution Bandwidth [MHz]: 1



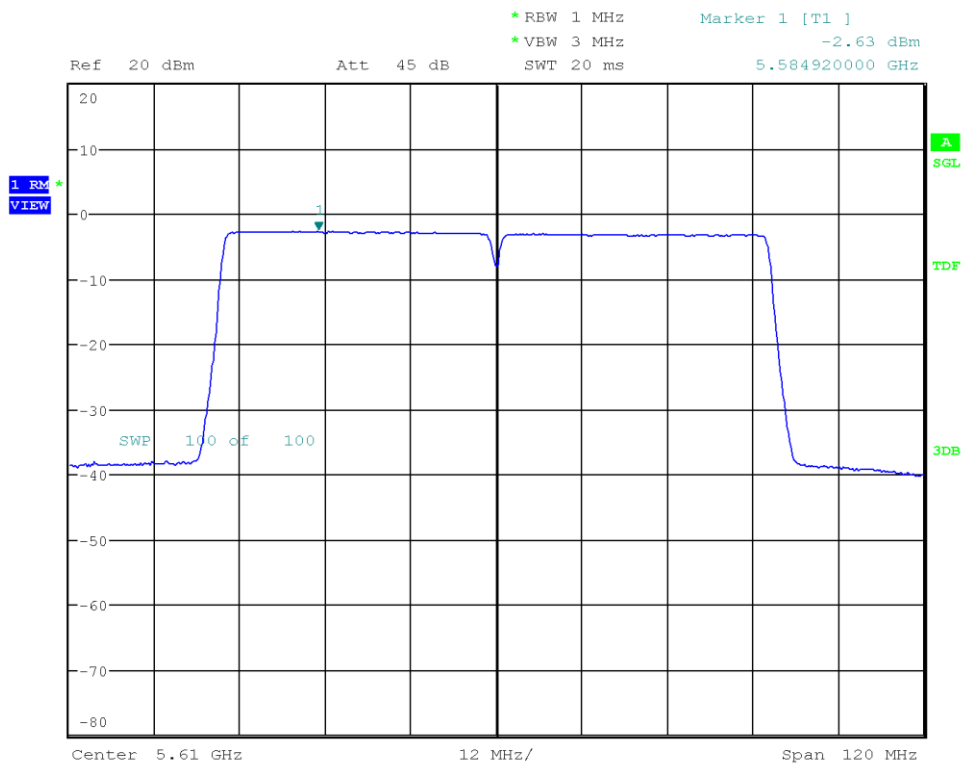
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT80), Channel: 122, 5610 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 17
 Maximum Frequency [MHz]: 5584.920
 Spectral Density [dBm/RBW]: -2.635
 Resolution Bandwidth [MHz]: 1



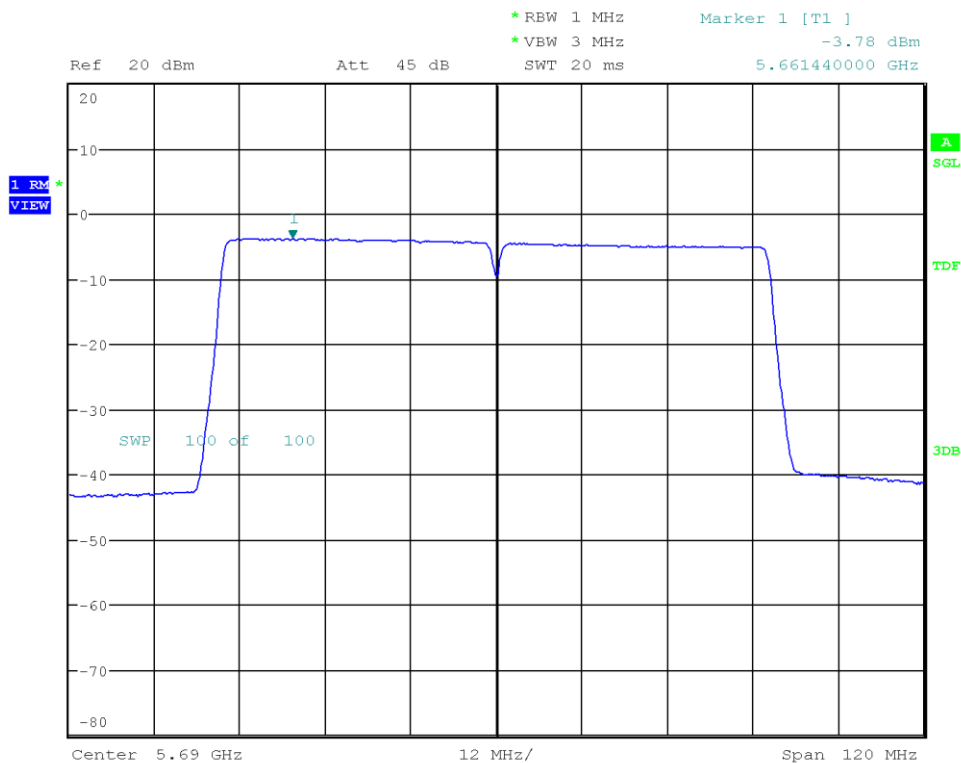
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT80), Channel: 138, 5690 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 15
 Maximum Frequency [MHz]: 5661.440
 Spectral Density [dBm/RBW]: -3.780
 Resolution Bandwidth [MHz]: 1



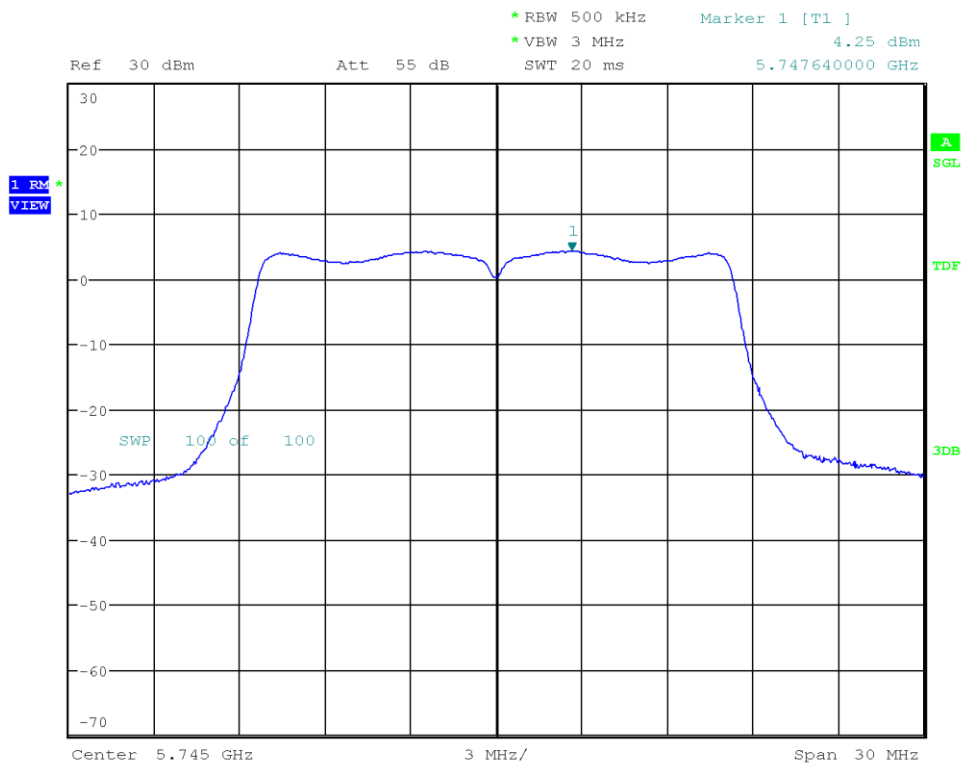
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11a, Channel: 149, 5745 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = 6 Mbps, Power = 19
 Maximum Frequency [MHz]: 5747.640
 Spectral Density [dBm/RBW]: 4.247
 Resolution Bandwidth [MHz]: 0.5



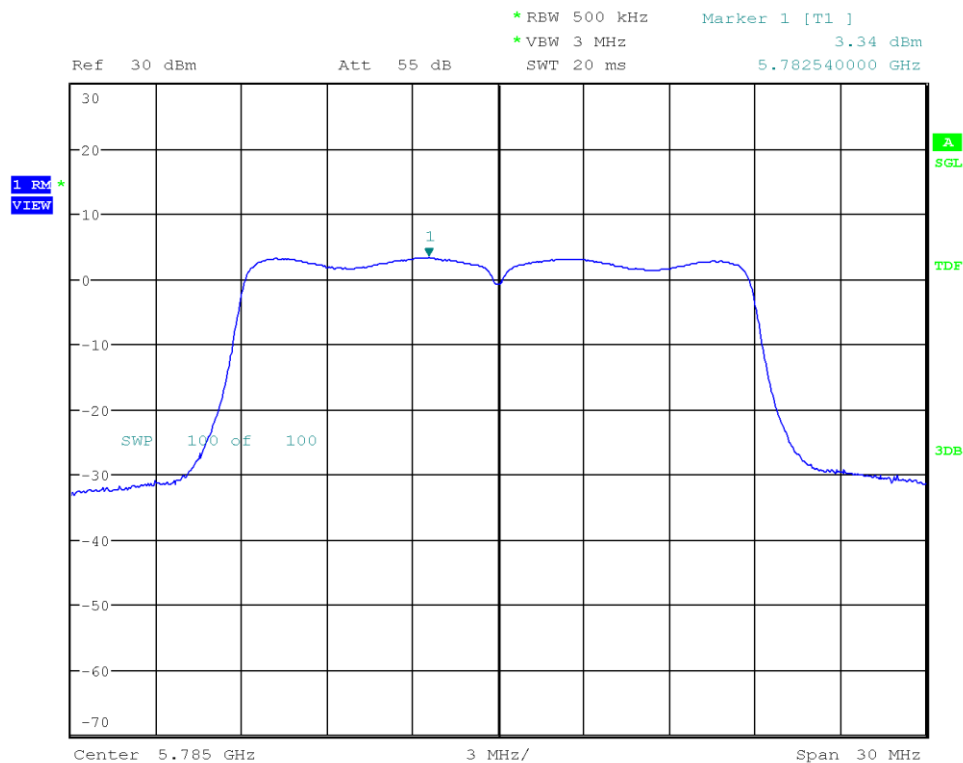
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W271-00B
Test Sample ID:	43094
Reference Standards:	FCC 15.407, RSS-247
Reference Method:	ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
Operational Mode:	IEEE 802.11a, Channel: 157, 5785 MHz
Operating Conditions:	Tnom/Vnom
Operator:	Azamat Ibraimov
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-08
Number of Antenna Ports:	1
Note:	Bit rate = 6 Mbps, Power = 19
Maximum Frequency [MHz]:	5782.540
Spectral Density [dBm/RBW]:	3.338
Resolution Bandwidth [MHz]:	0.5



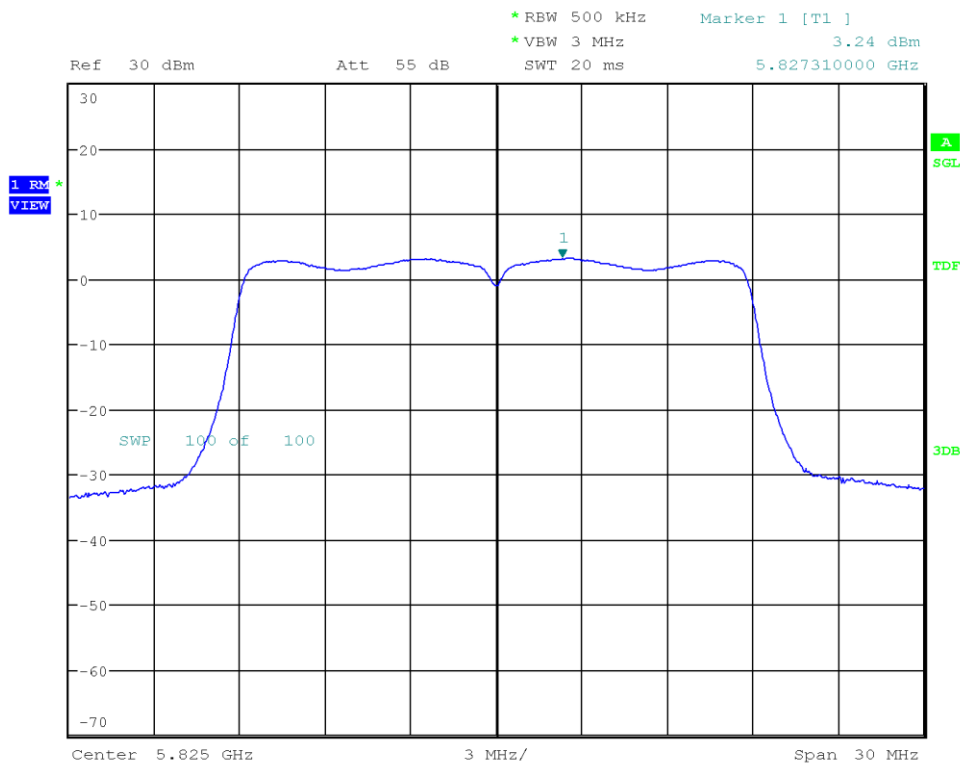
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W271-00B
Test Sample ID:	43094
Reference Standards:	FCC 15.407, RSS-247
Reference Method:	ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
Operational Mode:	IEEE 802.11a, Channel: 165, 5825 MHz
Operating Conditions:	Tnom/Vnom
Operator:	Azamat Ibraimov
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-08
Number of Antenna Ports:	1
Note:	Bit rate = 6 Mbps, Power = 19
Maximum Frequency [MHz]:	5827.310
Spectral Density [dBm/RBW]:	3.238
Resolution Bandwidth [MHz]:	0.5



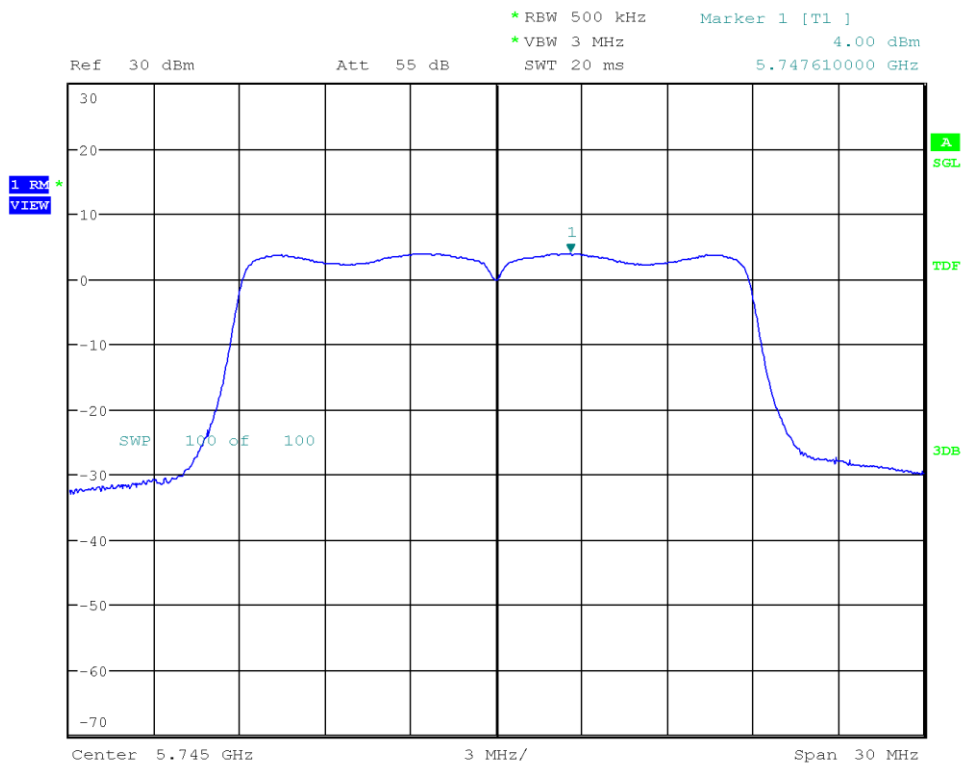
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 149, 5745 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5747.610
 Spectral Density [dBm/RBW]: 4.001
 Resolution Bandwidth [MHz]: 0.5



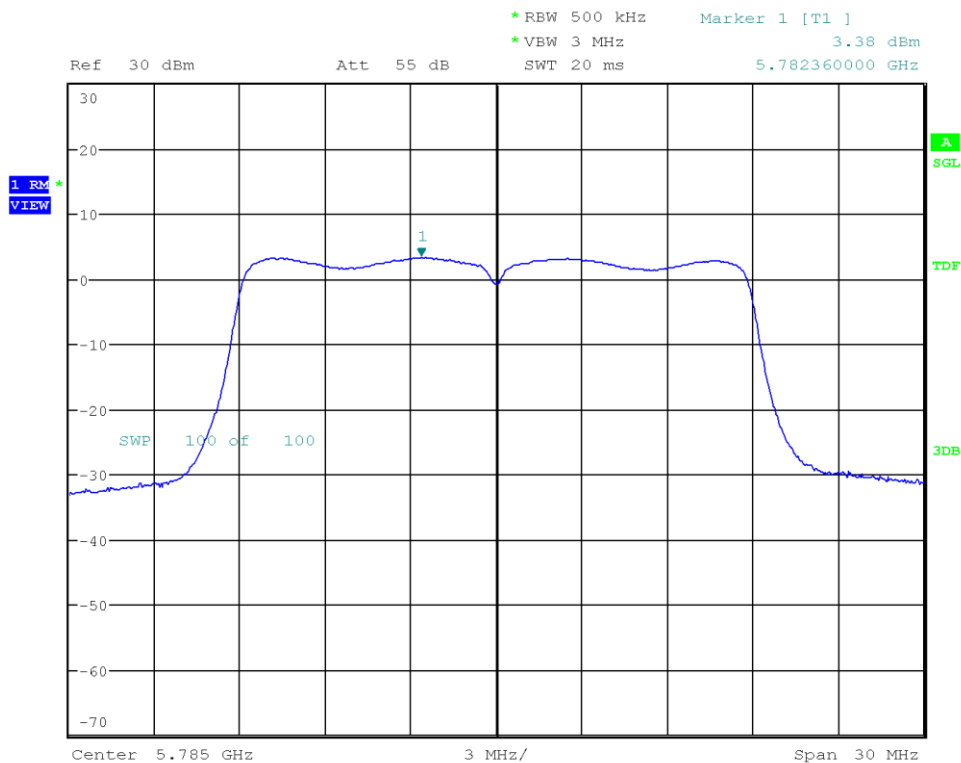
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

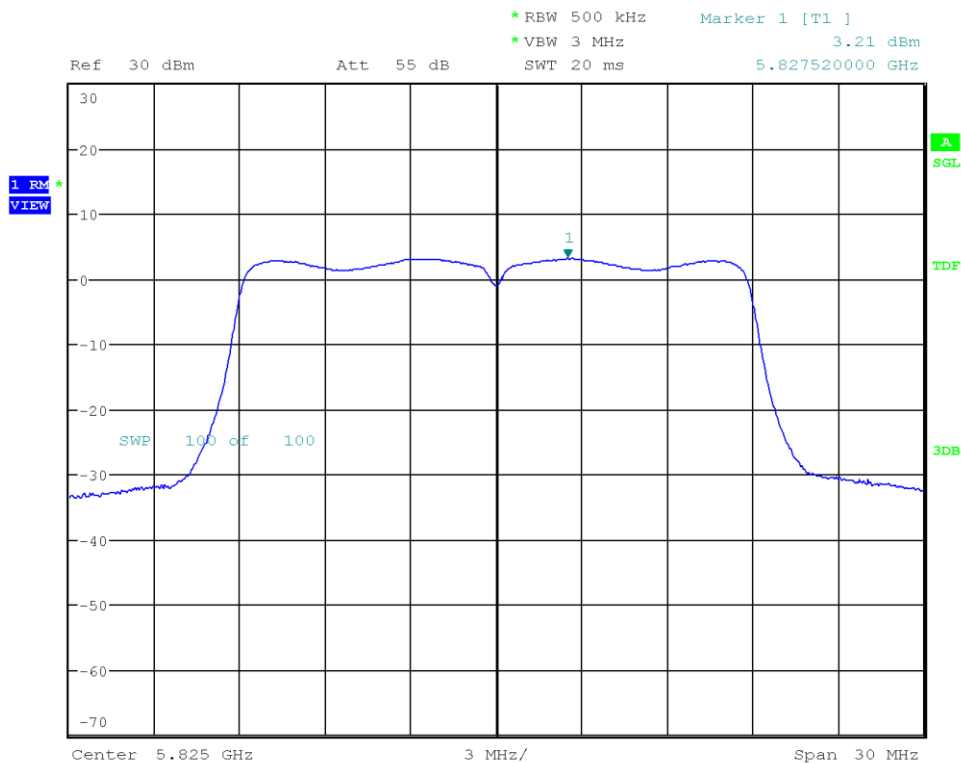
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 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 157, 5785 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5782.360
 Spectral Density [dBm/RBW]: 3.379
 Resolution Bandwidth [MHz]: 0.5



Date: 8.AUG.2023 15:35:39

Maximum Power Spectral Density

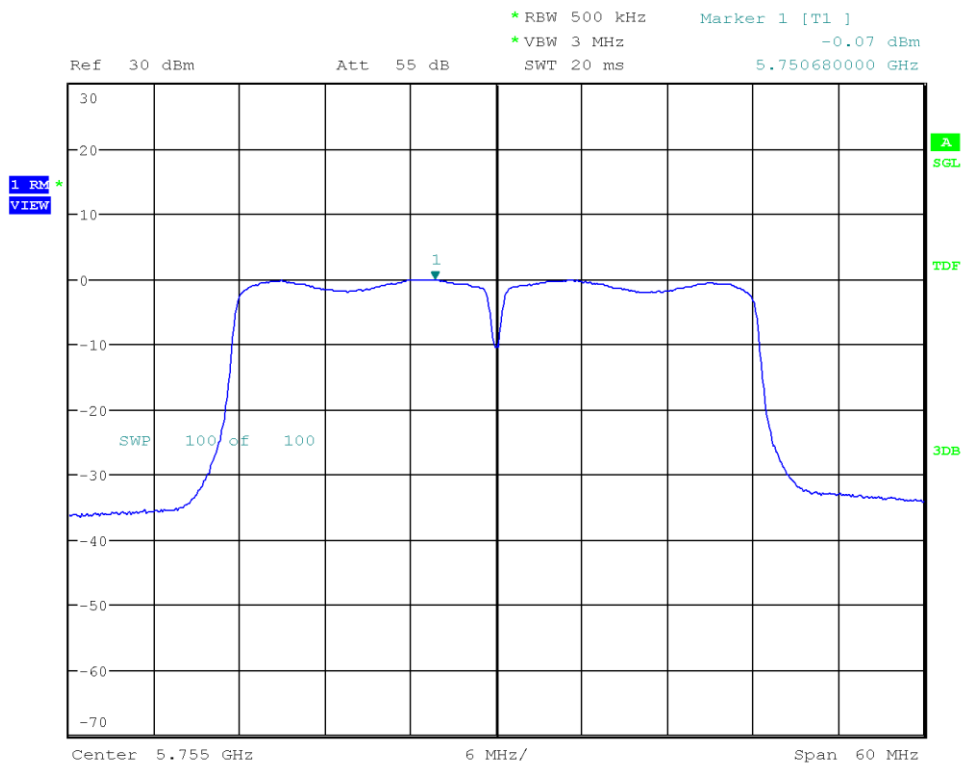
Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT20), Channel: 165, 5825 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5827.520
 Spectral Density [dBm/RBW]: 3.212
 Resolution Bandwidth [MHz]: 0.5



Date: 8.AUG.2023 15:36:42

Maximum Power Spectral Density

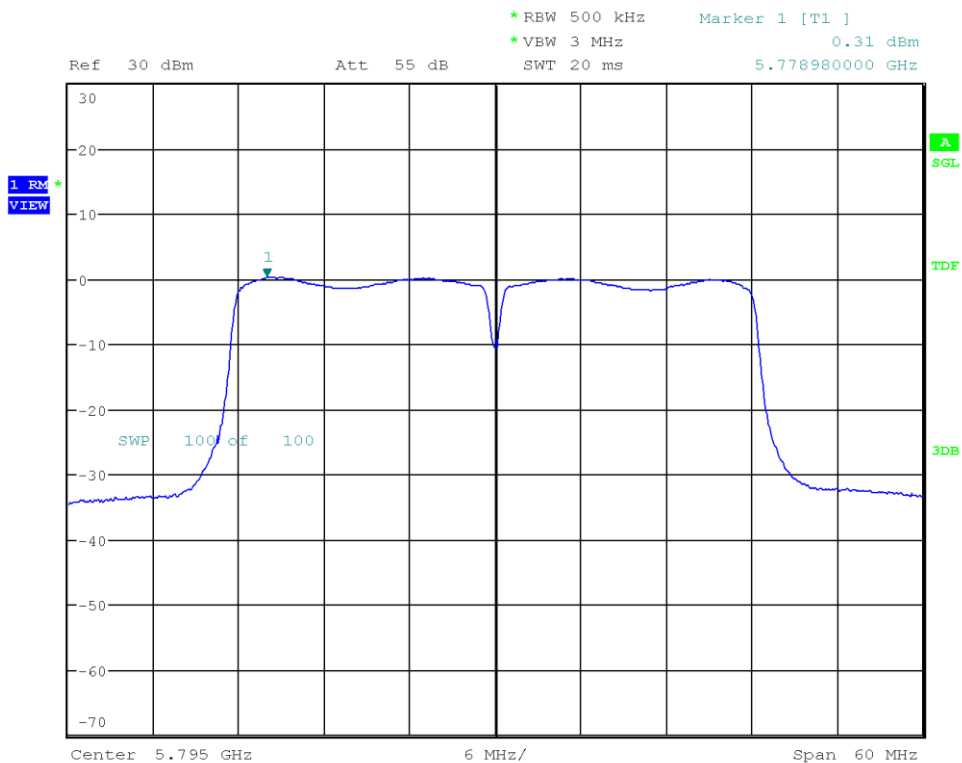
Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 151, 5755 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 18
 Maximum Frequency [MHz]: 5750.680
 Spectral Density [dBm/RBW]: -0.070
 Resolution Bandwidth [MHz]: 0.5



Date: 8.AUG.2023 15:38:33

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11n (HT40), Channel: 159, 5795 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5778.980
 Spectral Density [dBm/RBW]: 0.308
 Resolution Bandwidth [MHz]: 0.5



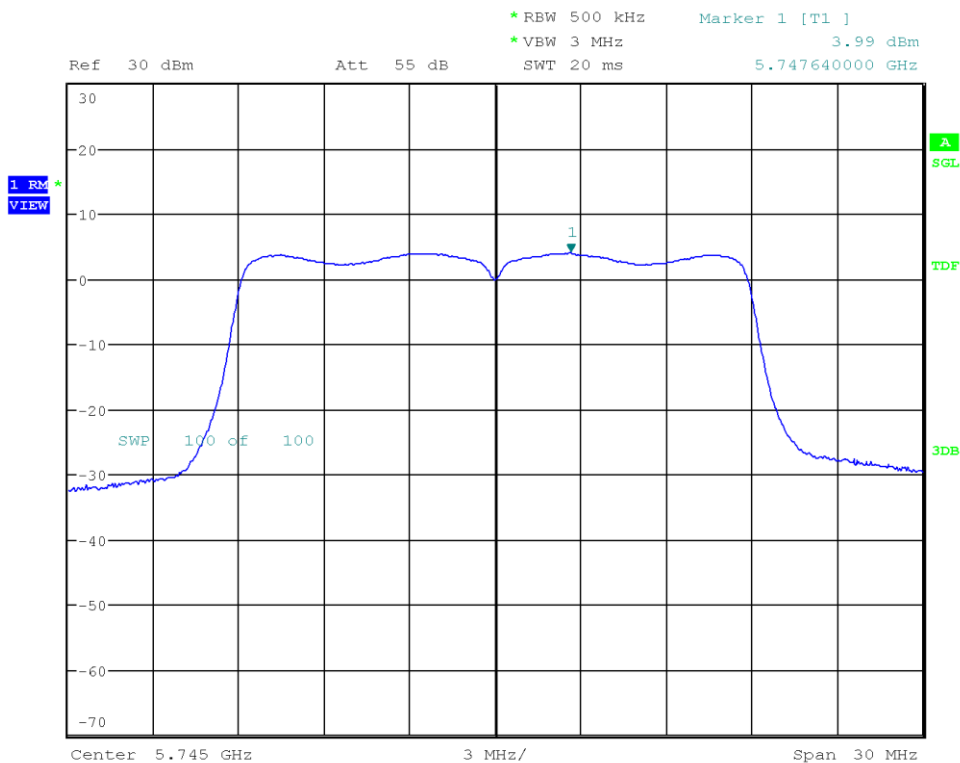
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 149, 5745 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5747.640
 Spectral Density [dBm/RBW]: 3.992
 Resolution Bandwidth [MHz]: 0.5



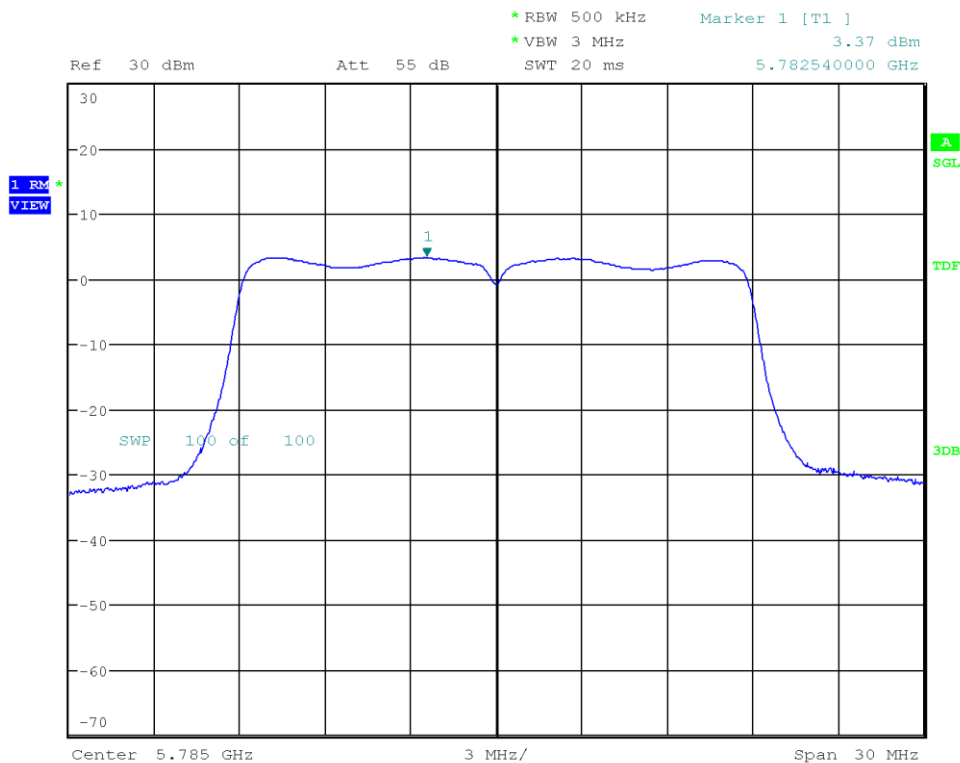
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 157, 5785 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5782.540
 Spectral Density [dBm/RBW]: 3.374
 Resolution Bandwidth [MHz]: 0.5



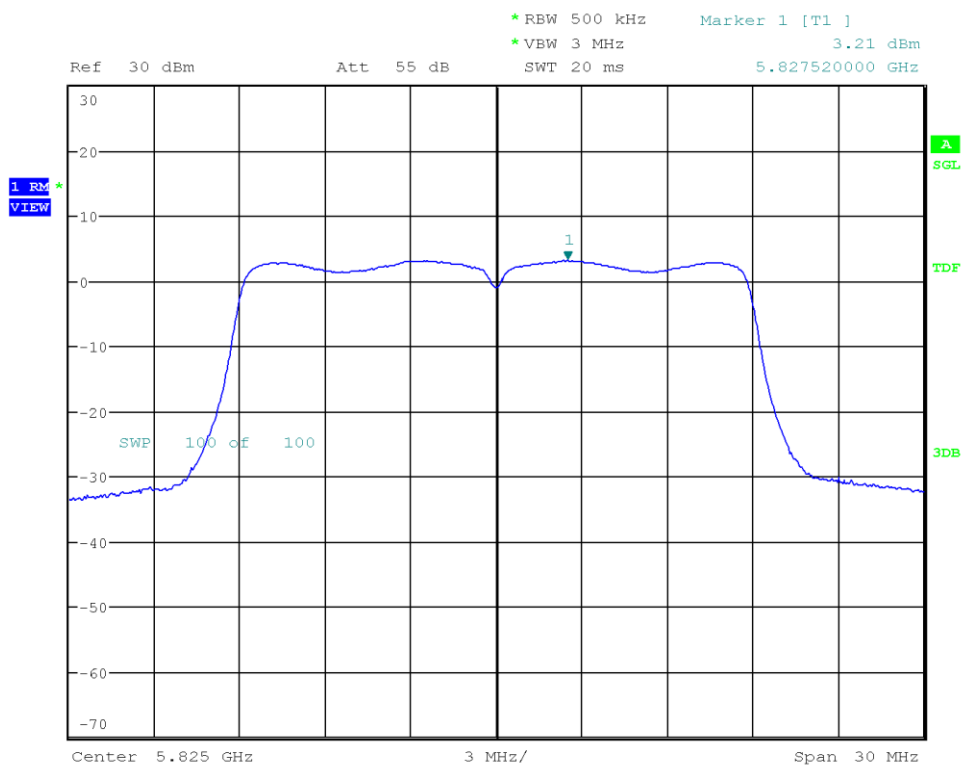
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

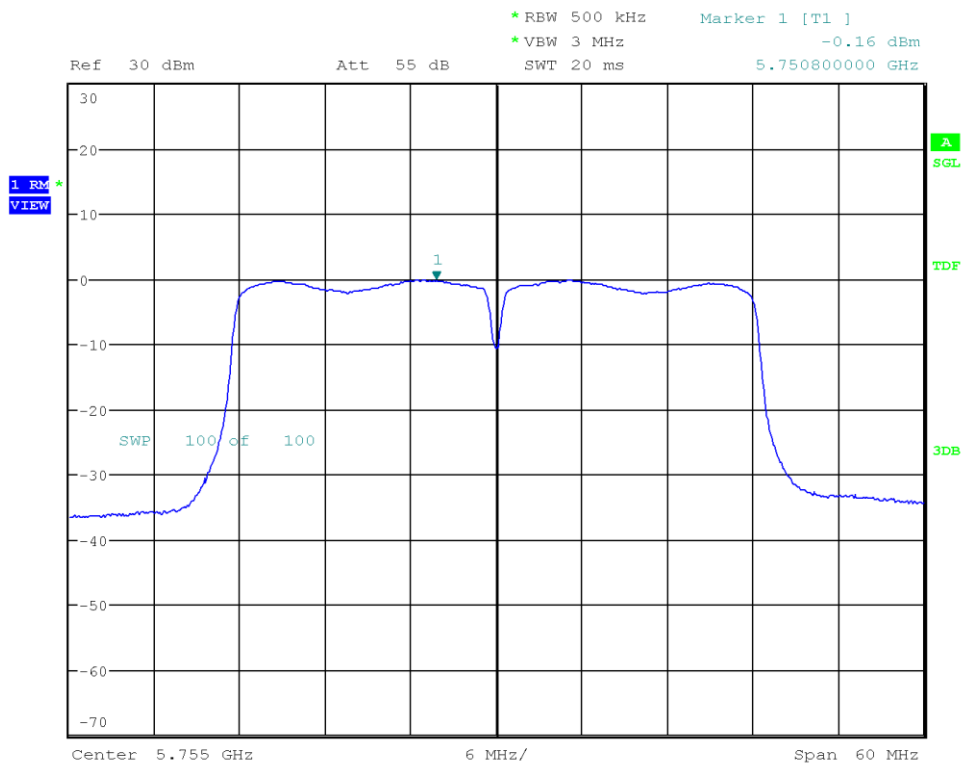
Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT20), Channel: 165, 5825 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5827.520
 Spectral Density [dBm/RBW]: 3.207
 Resolution Bandwidth [MHz]: 0.5



Date: 8.AUG.2023 15:43:43

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 151, 5755 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 18
 Maximum Frequency [MHz]: 5750.800
 Spectral Density [dBm/RBW]: -0.161
 Resolution Bandwidth [MHz]: 0.5



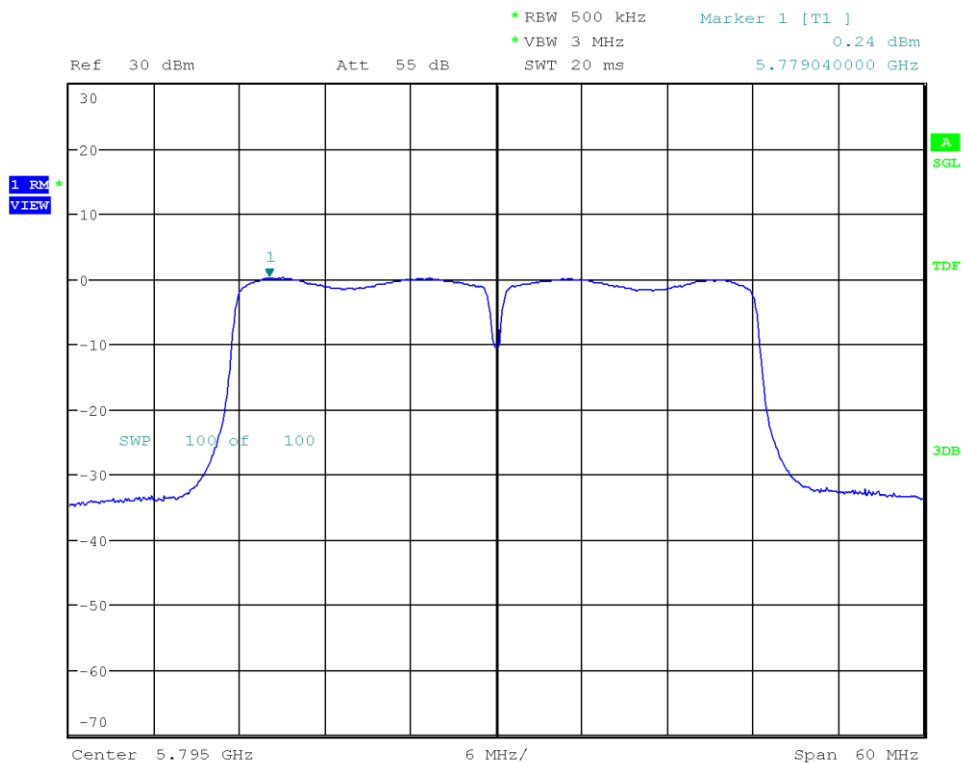
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT40), Channel: 159, 5795 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 19
 Maximum Frequency [MHz]: 5779.040
 Spectral Density [dBm/RBW]: 0.238
 Resolution Bandwidth [MHz]: 0.5



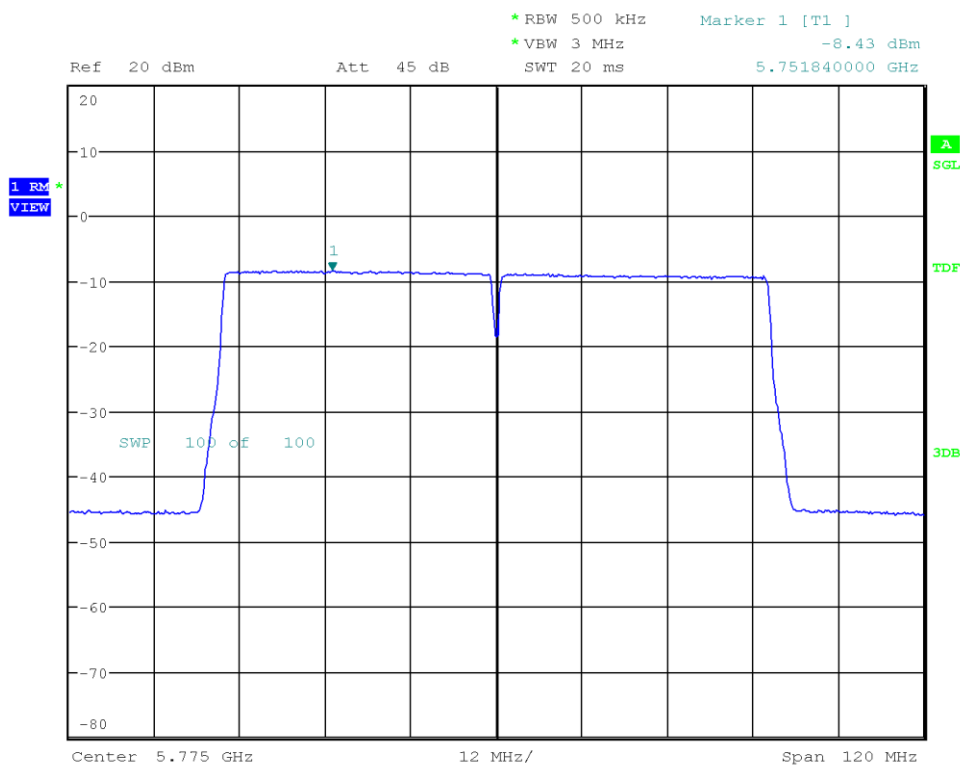
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Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

Maximum Power Spectral Density

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43094
 Reference Standards: FCC 15.407, RSS-247
 Reference Method: ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
 Operational Mode: IEEE 802.11ac (VHT80), Channel: 155, 5775 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Azamat Ibraimov
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-08-08
 Number of Antenna Ports: 1
 Note: Bit rate = MCS 0, Power = 15
 Maximum Frequency [MHz]: 5751.840
 Spectral Density [dBm/RBW]: -8.427
 Resolution Bandwidth [MHz]: 0.5



Date: 8.AUG.2023 15:48:19

Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

3.5 Test Conditions and Results - Frequency stability

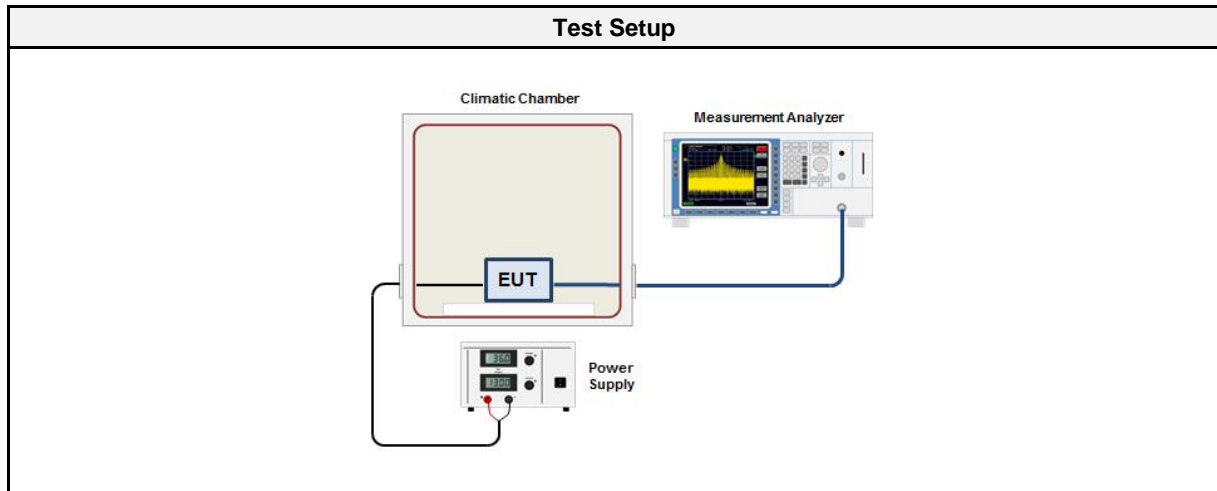
3.5.1 Information

Test Information	
Reference	FCC 15.407(g), KDB 789033 A.3
Measurement Method	ANSI C63.10 6.8
Operator	Godson Offorji
Date	2023-08-14
Measurement uncertainty	±0.06 ppm

3.5.2 Limits

Limits
Emission is maintained within the band of operation under all conditions of normal operation; The frequency deviation combined with the 26 dB bandwidth edges must be within the assigned frequency band

3.5.3 Setup



3.5.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSU 26	EF01003	2022-07	2024-08
Climatic chamber	Vötsch	VT 4010	EF00134	CBU	CBU
Precision multifunction measuring device	Agilent	34410A	EF00756	2021-08	2023-08
Temperature probes	Testo	HZ887	EF01482	2022-11	2023-11

3.5.5 Procedure

Test Procedure with respect to ambient temperature
<ol style="list-style-type: none"> 1. The EUT is turned off and placed inside the temperature chamber 2. The temperature chamber is set to the highest operating temperature 3. The EUT is turned on at nominal supply voltage and the carrier frequency is measured at startup, at 2 minutes, 5 minutes and 10 minutes after EUT is energized 4. The EUT is turned off again 5. The temperature of the chamber is lowered by 10 °C 6. The carrier frequency measurement is repeated after temperature has stabilized 7. The procedure is repeated until the lowest operating temperature is reached

Test Procedure when varying supply voltage
<ol style="list-style-type: none"> 1. The EUT is supplied with nominal supply voltage or a fully charged battery at room temperature (15 to 25 °C) 2. The carrier frequency is measured 3. The procedure is repeated at 85 % and 115 % of the nominal supply voltage or at the battery endpoint for battery operated equipment

Test Procedure of carrier frequency measurement
<ol style="list-style-type: none"> 1. The emission spectrum is measured using a resolution band width of 100 kHz with peak detection and maximum hold 2. The peak of the emission spectrum is determined 3. The left most frequency f_1 10 dB below the peak emission is searched 4. The right most frequency f_2 10 dB below the peak emission is searched 5. The center frequency is calculated from $f_c = (f_1+f_2)/2$ 6. The center frequency and the deviation from the nominal center frequency are recorded

3.5.6 Results

Test Results - 5180 MHz - Variation of ambient temperature						
Channel	Nominal Frequency [MHz]	Voltage [V]	Temperature [°C]	Time after activation	Frequency [MHz]	Deviation [KHz]
36	5180	3.3	85	0	5179.961750	-38.25
36	5180	3.3	85	2	5179.939250	-60.75
36	5180	3.3	85	5	5179.940750	-59.25
36	5180	3.3	85	10	5179.938750	-61.25
36	5180	3.3	75	0	5179.958750	-41.25
36	5180	3.3	75	2	5179.958500	-41.5
36	5180	3.3	75	5	5179.958000	-42
36	5180	3.3	75	10	5179.958750	-41.25
36	5180	3.3	65	0	5179.956250	-43.75
36	5180	3.3	65	2	5179.961000	-39
36	5180	3.3	65	5	5179.963500	-36.5
36	5180	3.3	65	10	5179.959750	--40.25
36	5180	3.3	55	0	5179.984250	-15.75
36	5180	3.3	55	2	5179.984250	-15.75
36	5180	3.3	55	5	5179.983250	-16.75
36	5180	3.3	55	10	5179.983000	-17
36	5180	3.3	45	0	5179.974250	-25.75
36	5180	3.3	45	2	5179.975500	-24.5
36	5180	3.3	45	5	5179.975250	-24.75
36	5180	3.3	45	10	5179.973750	-26.25
36	5180	3.3	35	0	5179.979000	-21
36	5180	3.3	35	2	5179.978000	-22
36	5180	3.3	35	5	5179.978500	-21.5
36	5180	3.3	35	10	5179.978750	-21.25
36	5180	3.3	25	0	5179.994000	-6
36	5180	3.3	25	2	5179.987750	-12.25
36	5180	3.3	25	5	5179.987000	-13
36	5180	3.3	25	10	5179.985500	-14.5
36	5180	3.3	15	0	5180.002250	2.25
36	5180	3.3	15	2	5180.001250	1.25
36	5180	3.3	15	5	5180.003250	3.25
36	5180	3.3	15	10	5180.002750	2.75
36	5180	3.3	5	0	5180.017250	17.25
36	5180	3.3	5	2	5179.997250	-2.75
36	5180	3.3	5	5	5180.021000	21
36	5180	3.3	5	10	5180.019750	19.75
36	5180	3.3	0	0	5179.990500	-9.5
36	5180	3.3	0	2	5179.986250	-13.75
36	5180	3.3	0	5	5179.986250	-13.75
36	5180	3.3	0	10	5179.992000	-8
36	5180	3.3	-10	0	5179.993250	-6.75
36	5180	3.3	-10	2	5179.993000	-7
36	5180	3.3	-10	5	5179.993250	-6.75
36	5180	3.3	-10	10	5179.991000	-9
36	5180	3.3	-20	0	5179.998500	-1.5

Test Report No.: G0M-2302-1881-TFC407WF-W271-V03

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

36	5180	3.3	-20	2	5179.997750	-2.25
36	5180	3.3	-20	5	5179.997500	-2.5
36	5180	3.3	-20	10	5179.998750	-1.25
36	5180	3.3	-30	0	5179.991500	-8.5
36	5180	3.3	-30	2	5179.990750	-9.25
36	5180	3.3	-30	5	5179.989250	-10.75
36	5180	3.3	-30	10	5179.989500	-10.5
36	5180	3.3	-40	0	5180.013000	13
36	5180	3.3	-40	2	5180.011500	11.5
36	5180	3.3	-40	5	5180.011500	11.5
36	5180	3.3	-40	10	5180.011250	11.25

Test Results - 5180 MHz - Variation of supply voltage					
Channel	Nominal Frequency [MHz]	Voltage [V]	Temperature [°C]	Frequency [MHz]	Deviation [KHz]
36	5180	3.30	20	5180.000047	0.047
36	5180	3.14	20	5179.999318	-0.682
36	5180	3.46	20	5180.000133	0.133

3.6 Test Conditions and Results - AC power line conducted emissions

3.6.1 Information

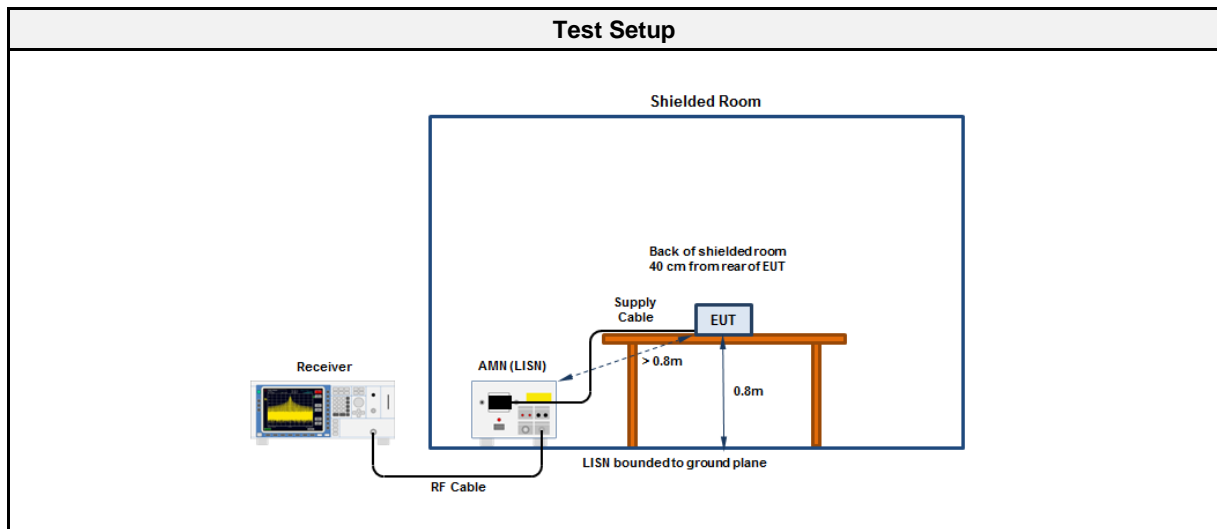
Test Information	
Reference	FCC 15.207
Measurement Method	ANSI C63.10 6.2
Operator	Azamat Ibraimov
Date	2023-08-14
Measurement uncertainty	±3.82 %

3.6.2 Limits

Limits		
Frequency [MHz]	Quasi-Peak [dBµV]	Average [dBµV]
0.15 - 0.5	66 - 56*	56 - 46*
0.5 - 5	56	46
5 - 30	60	50

* Limit decreases linearly with the logarithm of the frequency

3.6.3 Setup

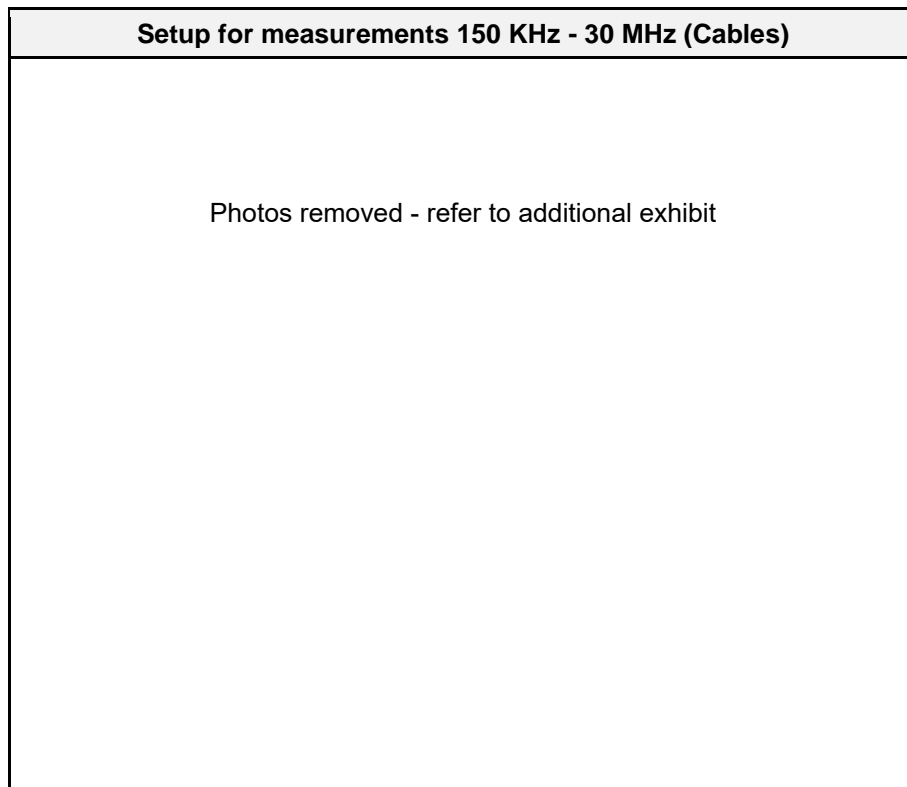
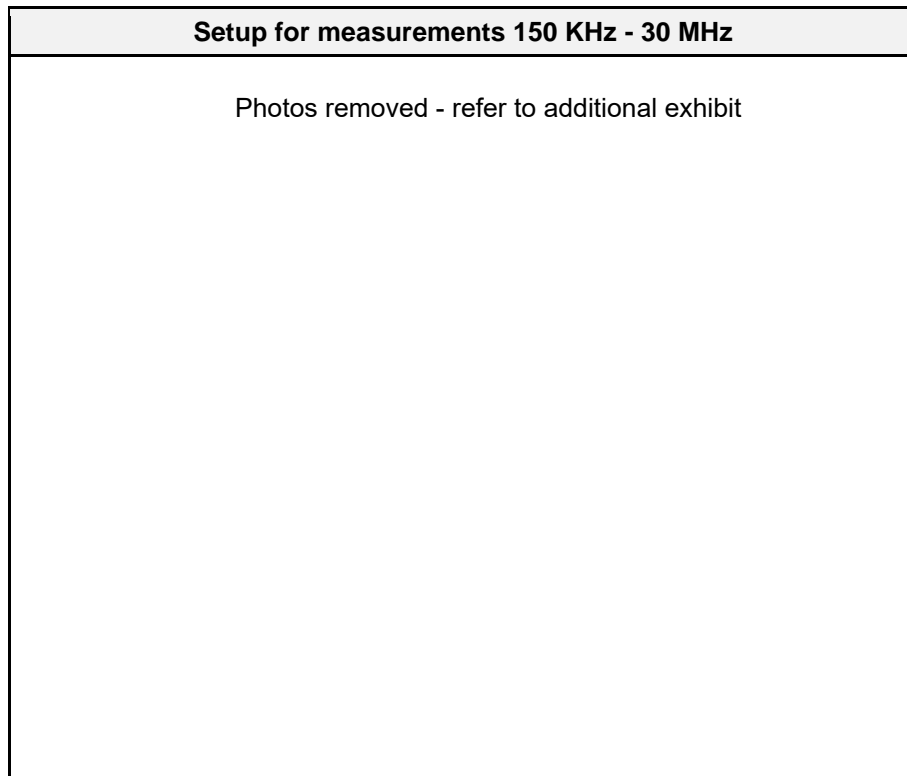


3.6.4 Equipment

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

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
EMI Test Receiver	Rohde & Schwarz Vertriebs GmbH	ESCS 30	EF00297	2023-08	2024-08
Pulse Limiter	R&S	ESH3-Z2	EF01222	2023-08	2025-08
LISN	Schwarzbeck	NSLK 8127 RC	EF01592	2023-06	2024-06

3.6.5 Setup Photos

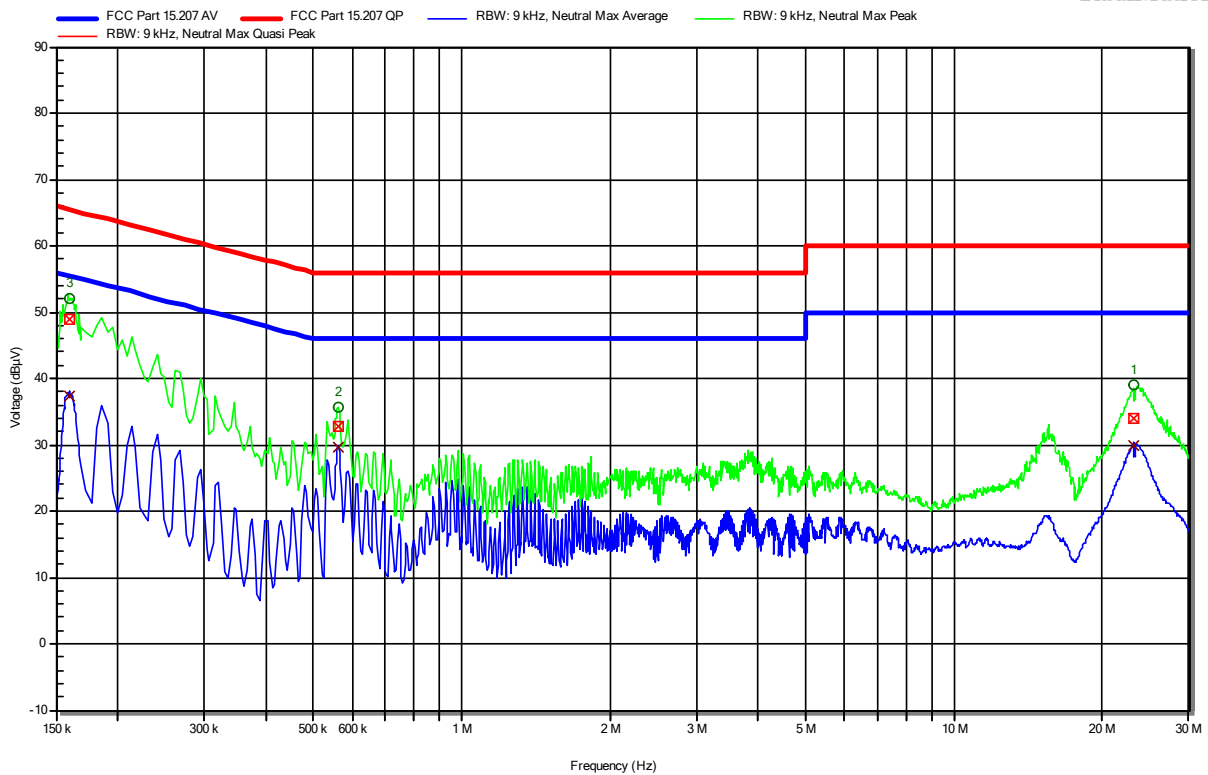


EUT Setup

Photos removed - refer to additional exhibit

Conducted emissions at the mains power port according to 47 CFR Part 15.247, 47 CFR Part 15.407, RSS-247

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 Test Site: Eurofins Product Service GmbH
 Operator: Ibraimov Azamat
 Test Date: 2023-08-14
 Operating Conditions: ambient temperature: 23 °Celsius
 power input: 3.3 VDC and 1.8 VDC
 LISN: Schwarzbeck NSLK 8127 (N)
 Operational Mode: Tx, IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20
 EUT Configuration:
 Applied to Port: 120 VAC / 60 Hz

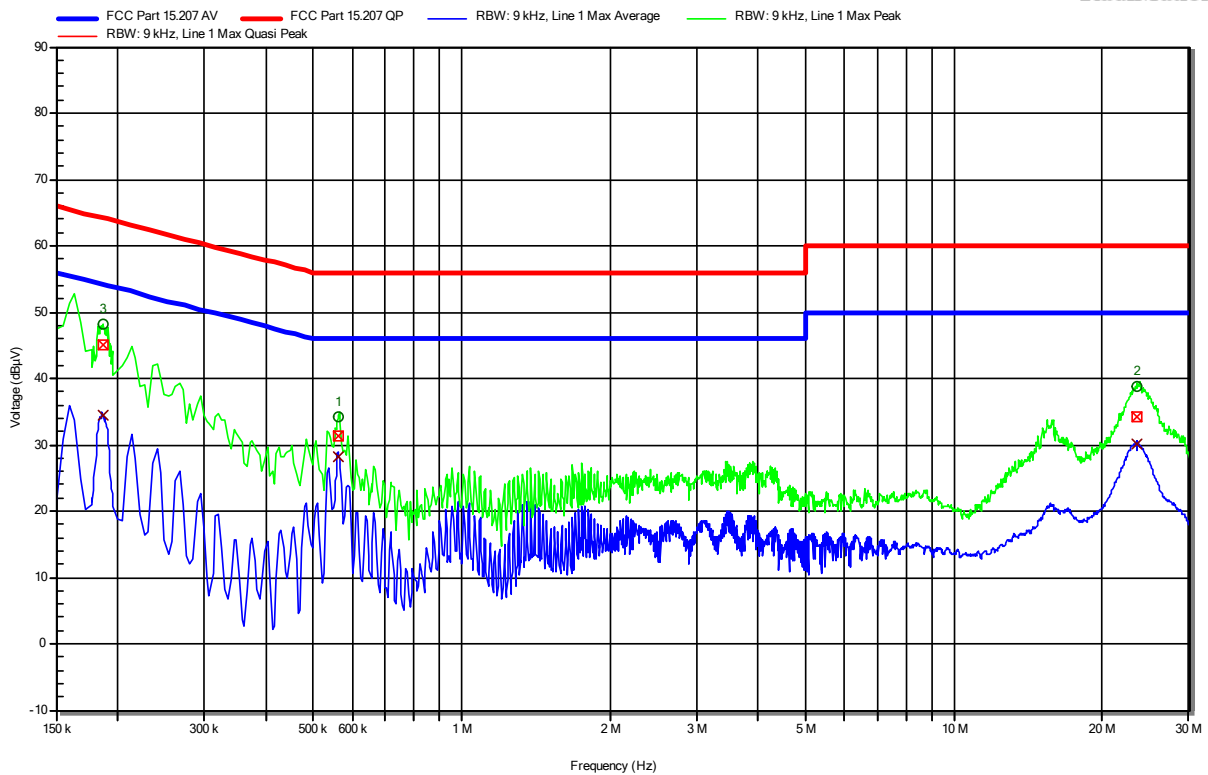


Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	23.249 MHz	33.9 dBµV	60 dBµV	-26.1 dB	Pass	Neutral
2	560.85 kHz	32.7 dBµV	56 dBµV	-23.3 dB	Pass	Neutral
3	159.9 kHz	48.91 dBµV	65.47 dBµV	-16.56 dB	Pass	Neutral

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	23.249 MHz	29.94 dBµV	50 dBµV	-20.06 dB	Pass	Neutral
2	560.85 kHz	29.72 dBµV	46 dBµV	-16.28 dB	Pass	Neutral
3	159.9 kHz	37.47 dBµV	55.47 dBµV	-18 dB	Pass	Neutral

Conducted emissions at the mains power port according to 47 CFR Part 15.247, 47 CFR Part 15.407, RSS-247

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 Test Site: Eurofins Product Service GmbH
 Operator: Ibraimov Azamat
 Test Date: 2023-08-14
 Operating Conditions: ambient temperature: 23 °Celsius
 power input: 3.3 VDC and 1.8 VDC
 LISN: Schwarzbeck NSLK 8127 RC L1
 Operational Mode: Tx, IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20
 EUT Configuration:
 Applied to Port: 120 VAC / 60 Hz

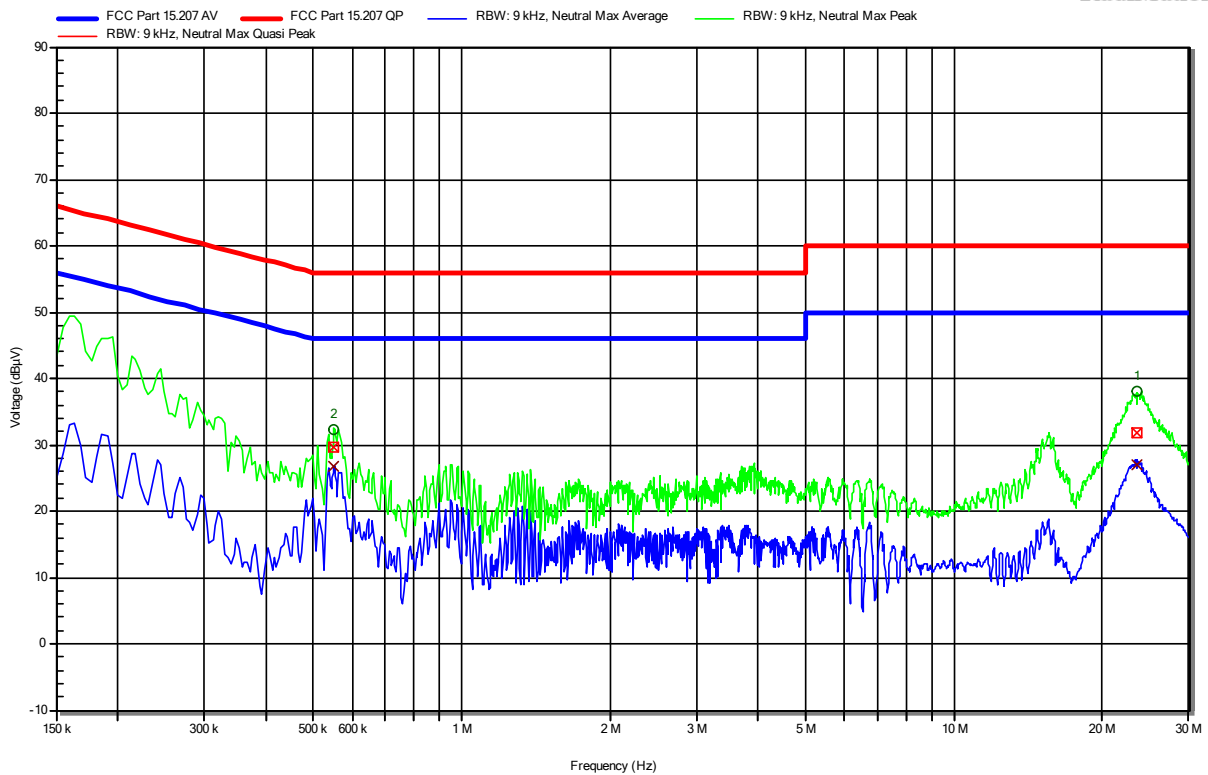


Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	563.55 kHz	31.37 dBµV	56 dBµV	-24.63 dB	Pass	Line 1
2	23.469 MHz	34.11 dBµV	60 dBµV	-25.89 dB	Pass	Line 1
3	186.45 kHz	45.04 dBµV	64.19 dBµV	-19.16 dB	Pass	Line 1

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	563.55 kHz	28.29 dBµV	46 dBµV	-17.71 dB	Pass	Line 1
2	23.469 MHz	30.06 dBµV	50 dBµV	-19.94 dB	Pass	Line 1
3	186.45 kHz	34.56 dBµV	54.19 dBµV	-19.64 dB	Pass	Line 1

Conducted emissions at the mains power port according to 47 CFR Part 15.247, 47 CFR Part 15.407, RSS-247

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 Test Site: Eurofins Product Service GmbH
 Operator: Ibraimov Azamat
 Test Date: 2023-08-14
 Operating Conditions: ambient temperature: 23 °Celsius
 power input: 3.3 VDC and 1.8 VDC
 LISN: Schwarzbeck NSLK 8127 (N)
 Operational Mode: Rx, IEEE 802.11 ac, 5180 MHz
 EUT Configuration:
 Applied to Port: 120 VAC / 60 Hz

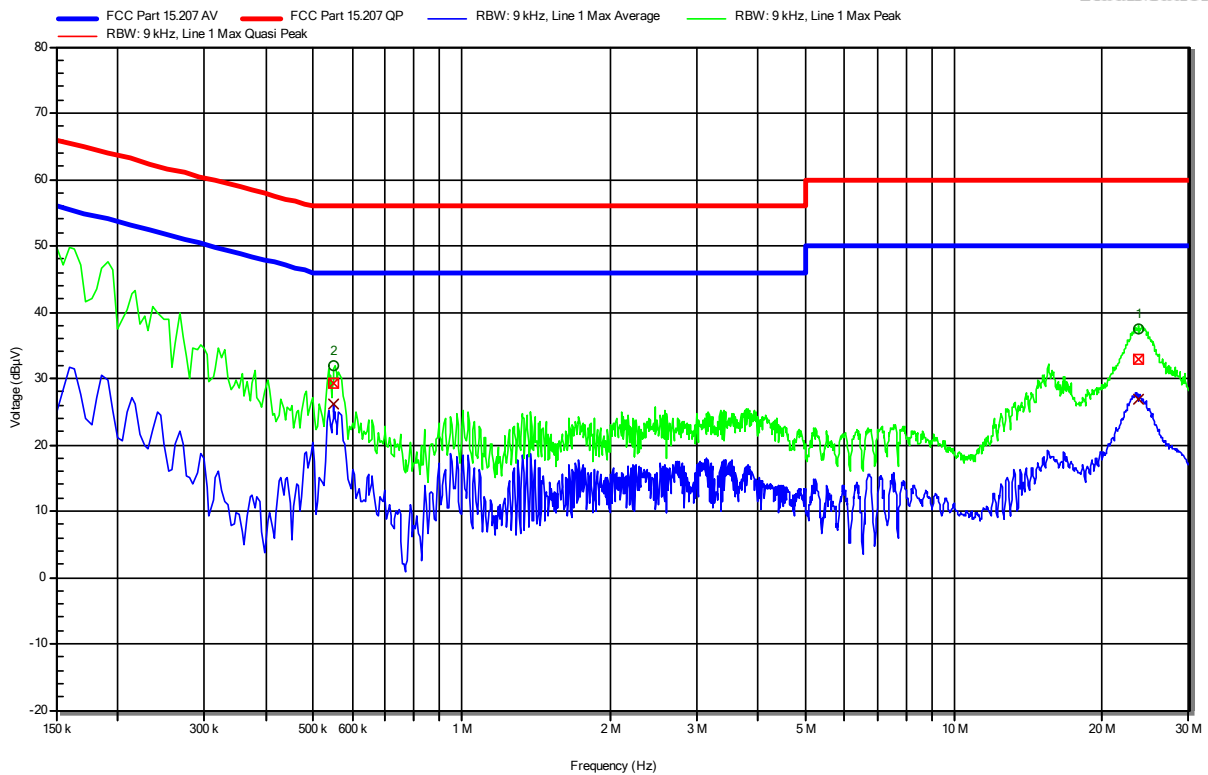


Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	23.532 MHz	31.84 dBµV	60 dBµV	-28.16 dB	Pass	Neutral
2	550.5 kHz	29.72 dBµV	56 dBµV	-26.28 dB	Pass	Neutral

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	23.532 MHz	26.91 dBµV	50 dBµV	-23.09 dB	Pass	Neutral
2	550.5 kHz	26.76 dBµV	46 dBµV	-19.24 dB	Pass	Neutral

Conducted emissions at the mains power port according to 47 CFR Part 15.247, 47 CFR Part 15.407, RSS-247

Project Number: G0M-2302-1881
 Applicant: u-blox AG
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 Test Site: Eurofins Product Service GmbH
 Operator: Ibraimov Azamat
 Test Date: 2023-08-14
 Operating Conditions: ambient temperature: 23 °Celsius
 power input: 3.3 VDC and 1.8 VDC
 LISN: Schwarzbeck NSLK 8127 RC L1
 Operational Mode: Rx, IEEE 802.11 ac, 5180 MHz
 EUT Configuration:
 Applied to Port: 120 VAC / 60 Hz



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	23.753 MHz	32.91 dBµV	60 dBµV	-27.09 dB	Pass	Line 1
2	550.95 kHz	29.32 dBµV	56 dBµV	-26.68 dB	Pass	Line 1

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	23.753 MHz	26.94 dBµV	50 dBµV	-23.06 dB	Pass	Line 1
2	550.95 kHz	26.14 dBµV	46 dBµV	-19.86 dB	Pass	Line 1

3.7 Test Conditions and Results - Transmitter radiated emissions

3.7.1 Information

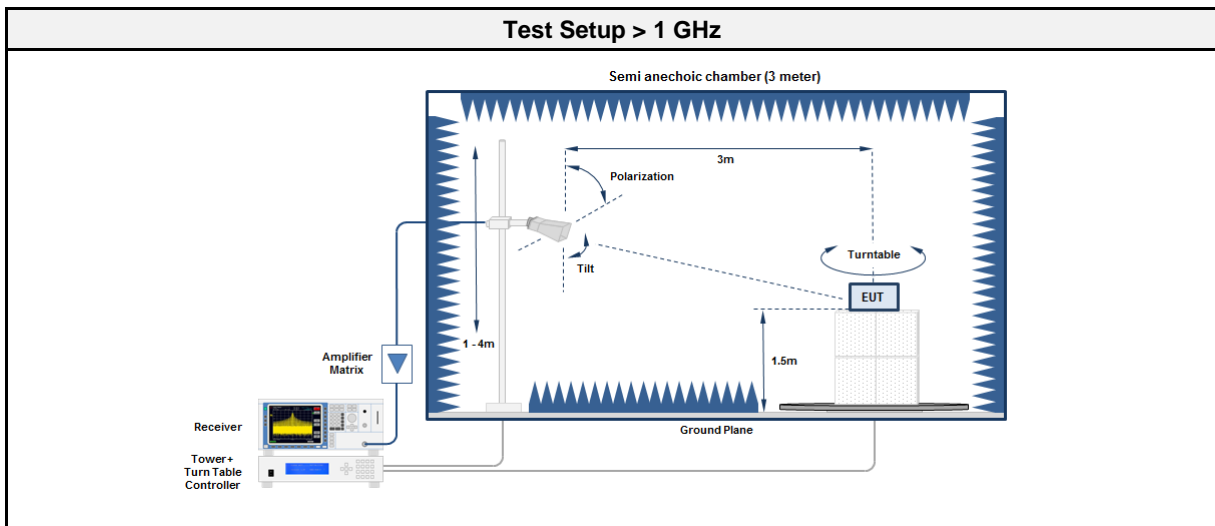
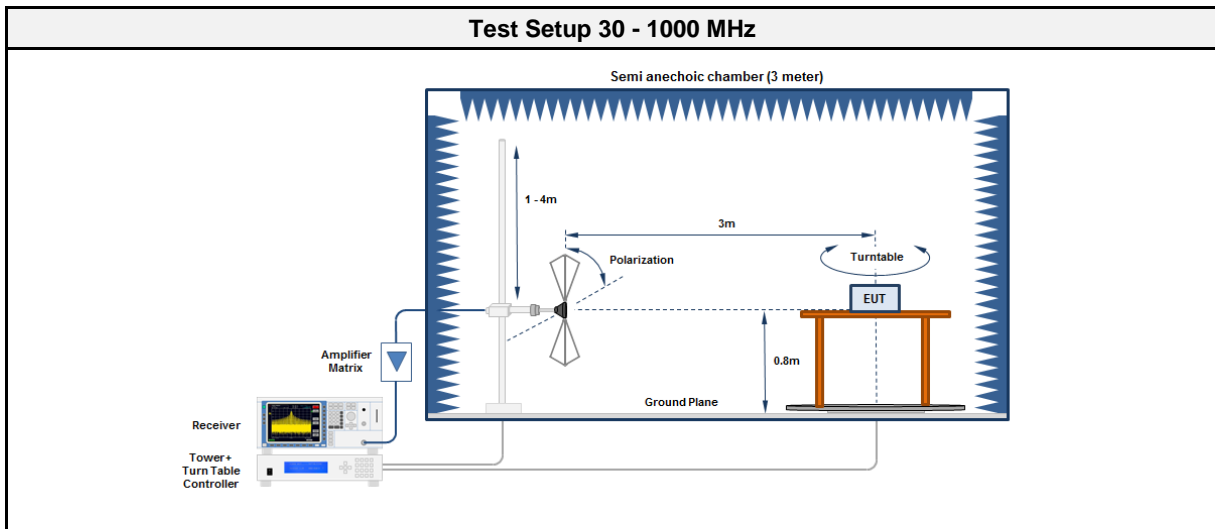
Test Information	
Reference	FCC 15.407(b)
Measurement Method	KDB 789033 G
Operator(s)	Ehsan Sohrabi
Date	2023-08-03 – 2023-08-15
Measurement uncertainty	±5.1 %

3.7.2 Limits

Limits - Restricted frequency bands and below 1 GHz			
Frequency [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

Limits - Outside restricted frequency bands above 1 GHz			
Frequency band [MHz]	Power limit [dBm EIRP]	Field strength limit [$\text{dB}\mu\text{V}/\text{m}$]	Measurement distance [m]
5150 - 5250	-27 dBm/MHz	68.2	3
5250 - 5350	-27 dBm/MHz	68.2	3
5470 - 5725	-27 dBm/MHz	68.2	3
5725 - 5850	-27 dBm/MHz @ ± 75 MHz from band edge	68.2	3
5725 - 5850	10 to -27 dBm/MHz @ ± 25 to ± 75 MHz from band edge	105.2 to 68.2	3
5725 - 5850	15.6 to 10 dBm/MHz @ ± 5 to ± 25 MHz from band edge	110.8 to 105.2	3
5725 - 5850	27 to 15.6 dBm/MHz @ ± 0 to ± 5 MHz from band edge	122.2 to 110.8	3

3.7.3 Setup



3.7.4 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	RadiMation	2016.1.10

Test Equipment 30 - 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	2023-08	2024-08
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	2023-09
40GHz Standard Standard Gain Horn Antenna with Amplifier	Flann Microwave Ltd	22240-25 Amp. CBL26402075	EF00301	2023-01	2026-01

3.7.5 Procedure

Test Procedure 30 - 1000 MHz
<ol style="list-style-type: none">1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground2. EUT set to test mode3. The receiver is set to peak detection with max hold4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m5. All significant emissions are measured again using the corresponding final detector

Test Procedure > 1 GHz
<ol style="list-style-type: none">1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground2. EUT set to test mode3. The receiver is set to peak detection with max hold4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m5. All significant emissions are measured again using the corresponding final detector

3.7.6 Results

Test Results – OFDM						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
5300	5401	46.25	pk	ver	74.00	-27.75
5320	5407	47.21	pk	ver	74.00	-26.79
5500	5415	50.96	pk	ver	74.00	-23.04
5500	5415	38.87	RMS	ver	54.00	-15.13
5500	5468	64.18	pk	ver	68.20	-04.02
5500	5468	49.56	RMS	ver	68.20	-18.64
5580	5455	49.56	pk	ver	74.00	-24.44
5745	5675	54.21	pk	ver	86.37	-32.16
5785	5650	48.85	pk	ver	68.20	-19.35
5825	5901	50.46	pk	ver	86.23	-35.77
5825	7533	44.95	pk	hor	74.00	-29.05

Test Results – HT20						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
No significant emissions						

Test Results – HT40						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
5190	5090	45.08	pk	ver	74.00	-28.92
5230	5089	48.38	pk	ver	74.00	-25.62
5510	5468	65.38	pk	ver	68.20	-02.82
5510	5468	50.48	RMS	ver	68.20	-17.72
5590	5444	54.88	pk	ver	74.00	-19.12
5590	5444	40.48	RMS	ver	54.00	-13.52
5590	5469	54.16	pk	ver	68.20	-14.04
5670	5728	57.49	pk	ver	68.20	-10.71
5755	5656	58.36	pk	ver	72.78	-14.41
5795	5925	61.74	pk	ver	68.24	-06.50
5795	5925	45.83	RMS	ver	122.00	-76.17

Test Results – VHT20						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
5180	5095	48.63	pk	ver	74.00	-25.37
5200	5099	45.68	pk	ver	74.00	-28.32

Test Results – VHT40						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
No significant emissions						

Test Results – VHT80						
Channel [MHz]	Emission [MHz]	Level [dB μ V/m]	Det.	Pol.	Limit [dB μ V/m]	Margin [dB]
5210	5100	55.25	pk	ver	74.00	-18.75
5210	5100	42.99	RMS	ver	54.00	-11.01
5290	5407	46.84	pk	ver	74.00	-27.16
5530	5408	49.47	pk	ver	74.00	-24.53
5530	5467	64.08	pk	ver	68.20	-04.12
5530	5467	49.01	RMS	ver	68.20	-19.19
5610	5419	56.03	pk	ver	74.00	-17.97
5610	5419	40.25	RMS	ver	54.00	-13.75
5610	5727	62.07	pk	ver	68.20	-06.13
5610	5727	48.08	RMS	ver	68.20	-20.12
5690	5780	66.78	pk	ver	68.20	-01.42
5690	5780	53.71	RMS	ver	68.20	-14.49
5775	5622	62.10	pk	ver	68.20	-06.10
5775	5622	46.51	RMS	ver	68.20	-21.69
5775	5672	66.35	pk	ver	84.51	-18.16

ANNEX A Transmitter spurious emissions

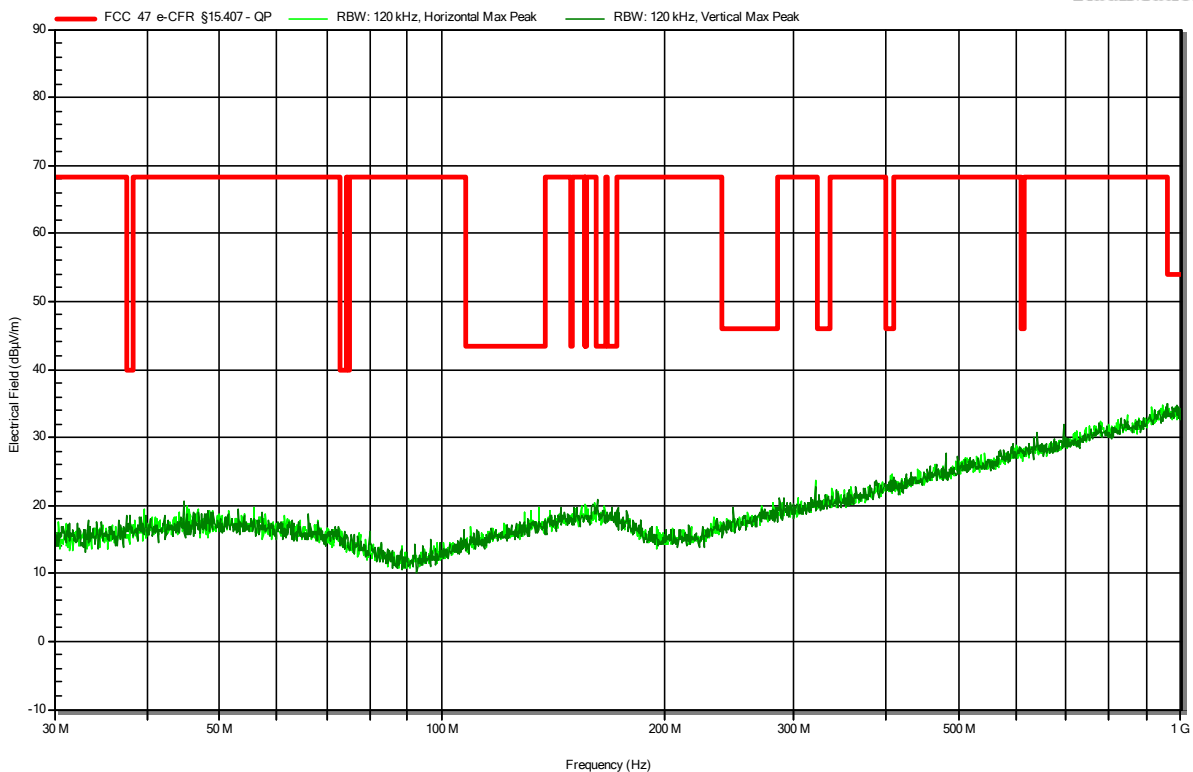
U-NII-1

Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 31 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20, P=18dBm
 Test Date: 2023-08-11

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RadiMation

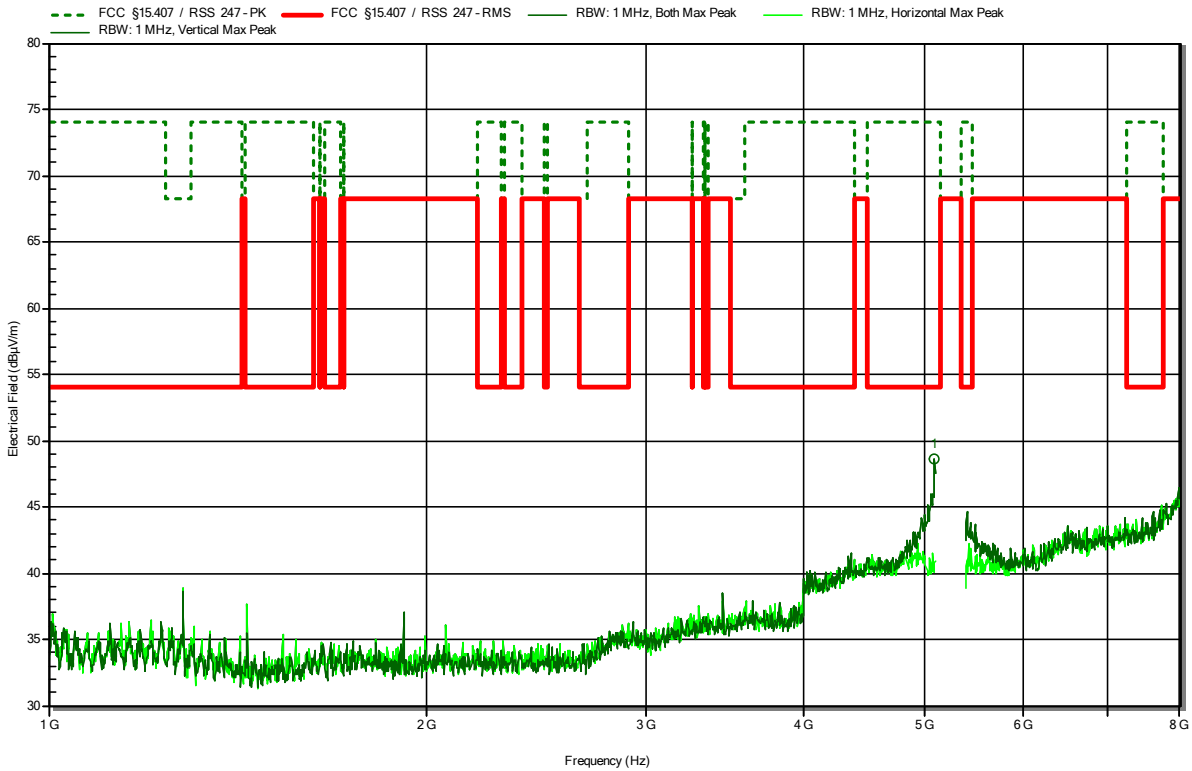


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 802.11 ac, 5180 MHz, MCS 0, VHT20, P=18dBm
 Test Date: 2023-08-03

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RadiMation



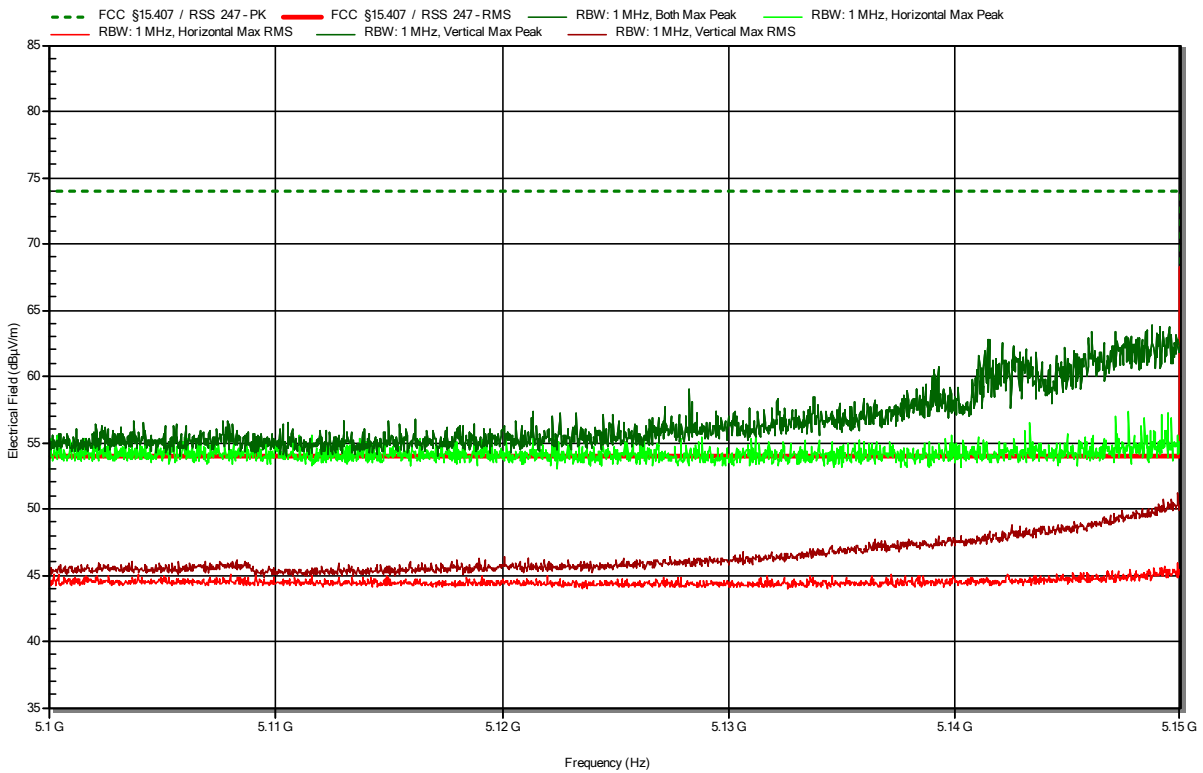
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
5.095 GHz	48.63 dBµV/m	74 dBµV/m	-25.37 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 802.11 ac, 5180 MHz, MCS 0, VHT20, P=18dBm
 Test Date: 2023-08-03
 Note: lower band area

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RadiMation

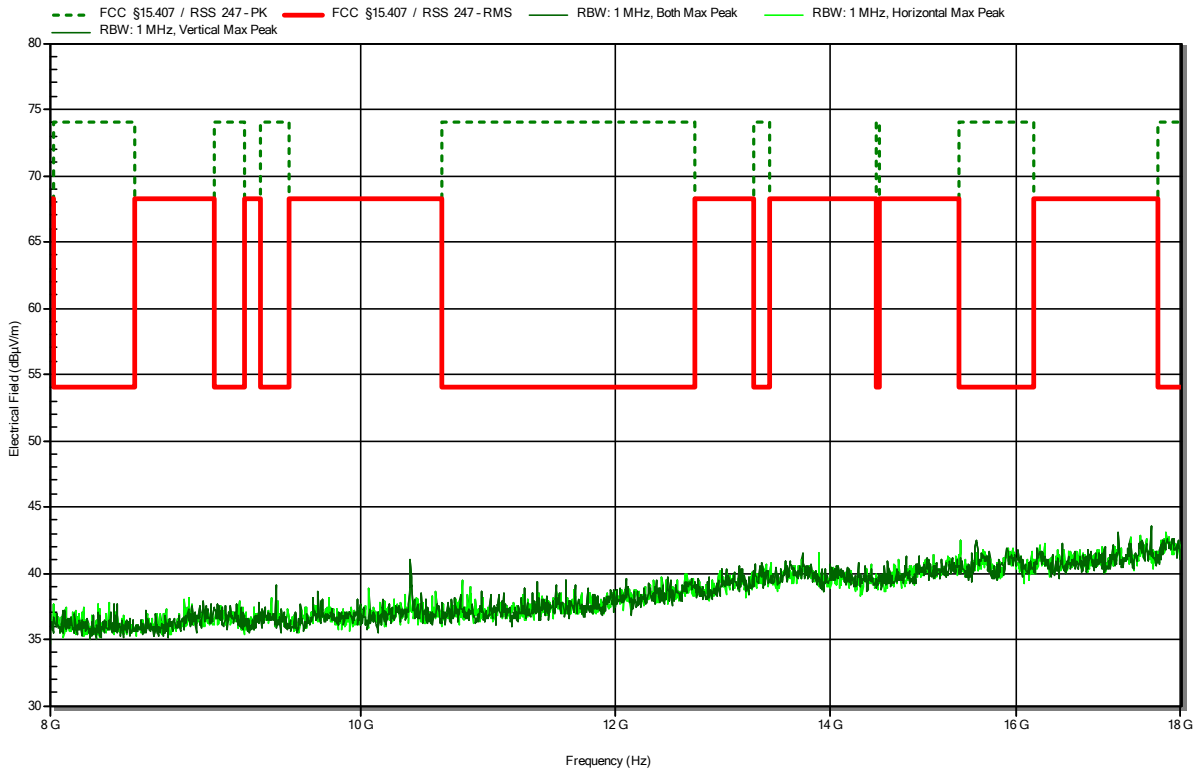


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20, P=18dBm
 Test Date: 2023-08-03

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RadiMation

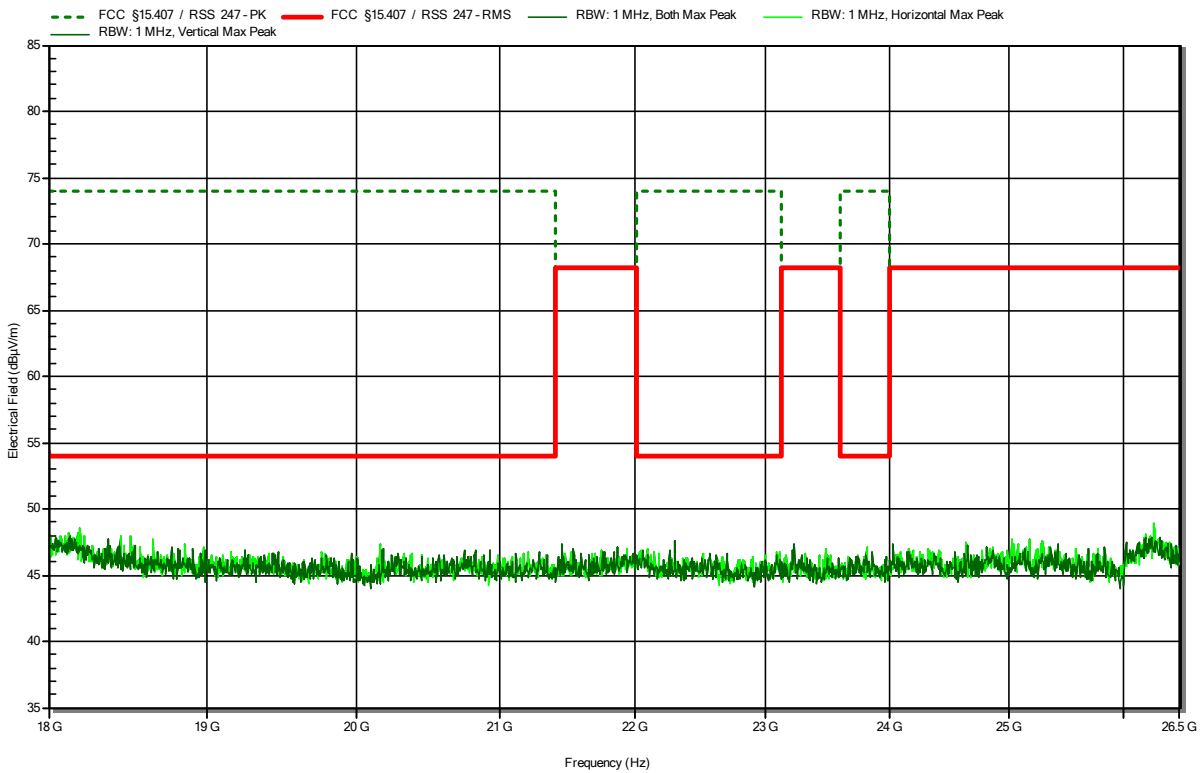


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20, P=18dBm
 Test Date: 2023-08-03

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RadiMation

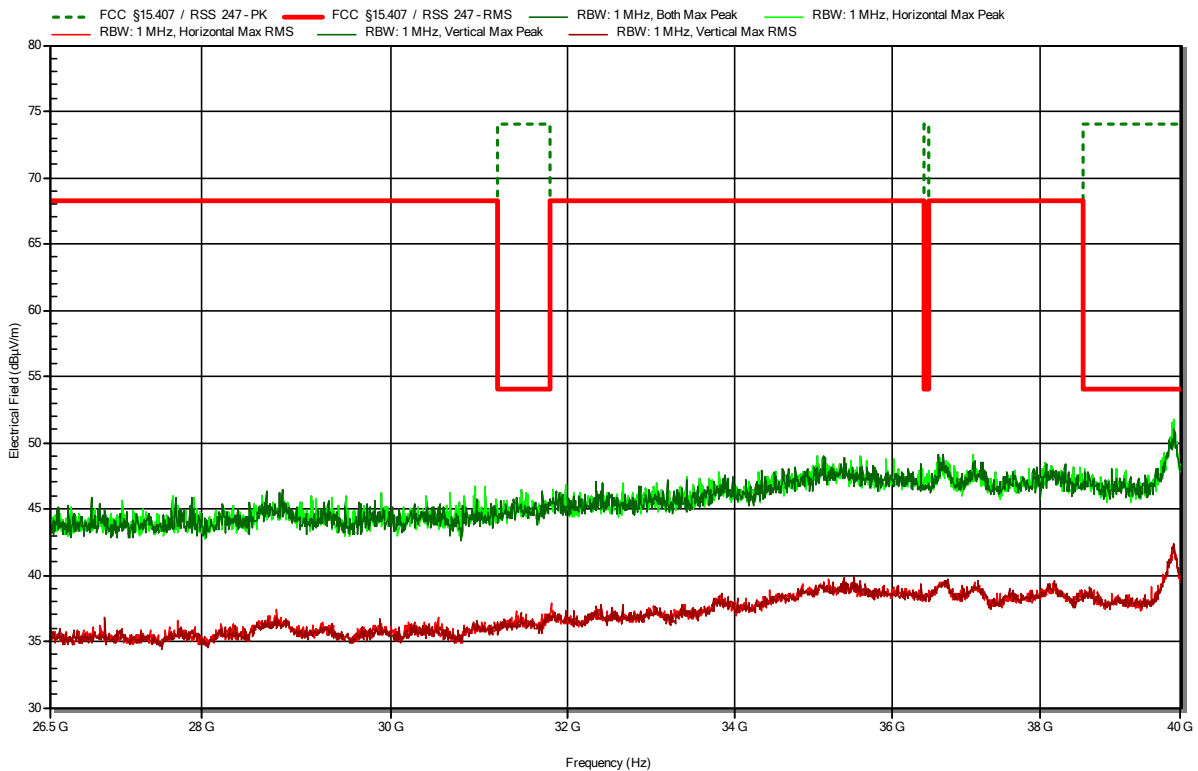


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 Test Site: Eurofins Product Service GmbH
 Operator: Ehsan Sohrabi
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 31 °Celsius, Vnom: 3.3 VDC
 Antenna: Flann 22240-25
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20, P=18dBm
 Test Date: 2023-08-15

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RadiMation

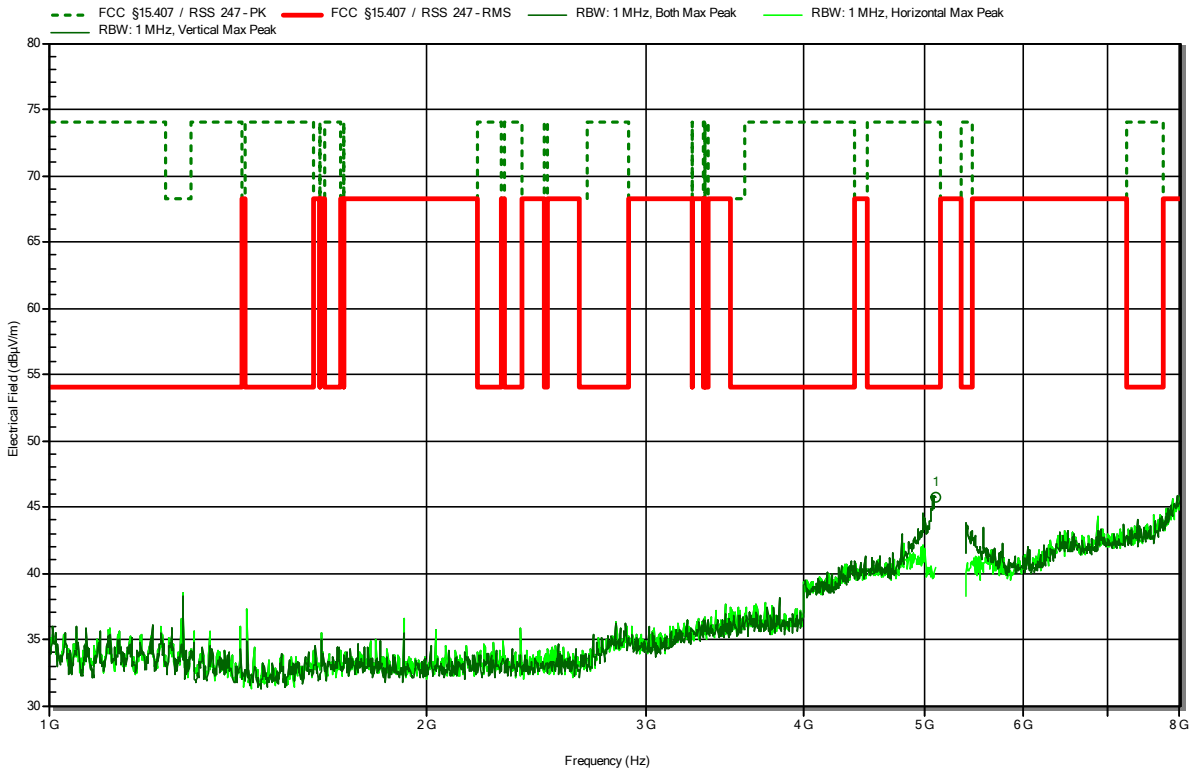


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 802.11 ac, 5200 MHz, MCS 0, VHT20, P=19dBm
 Test Date: 2023-08-03

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RadiMation



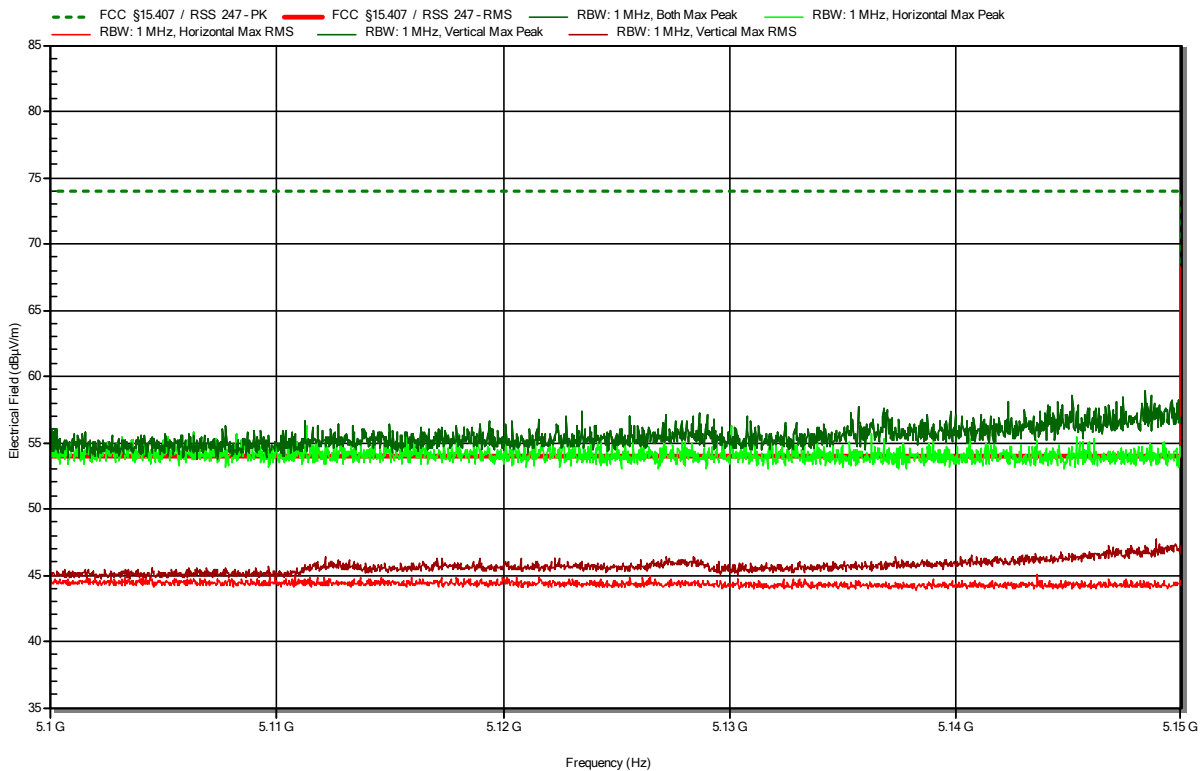
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
5.099 GHz	45.68 dBµV/m	74 dBµV/m	-28.32 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 802.11 ac, 5200 MHz, MCS 0, VHT20, P=19dBm
 Test Date: 2023-08-03
 Note: lower band area

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RadiMation

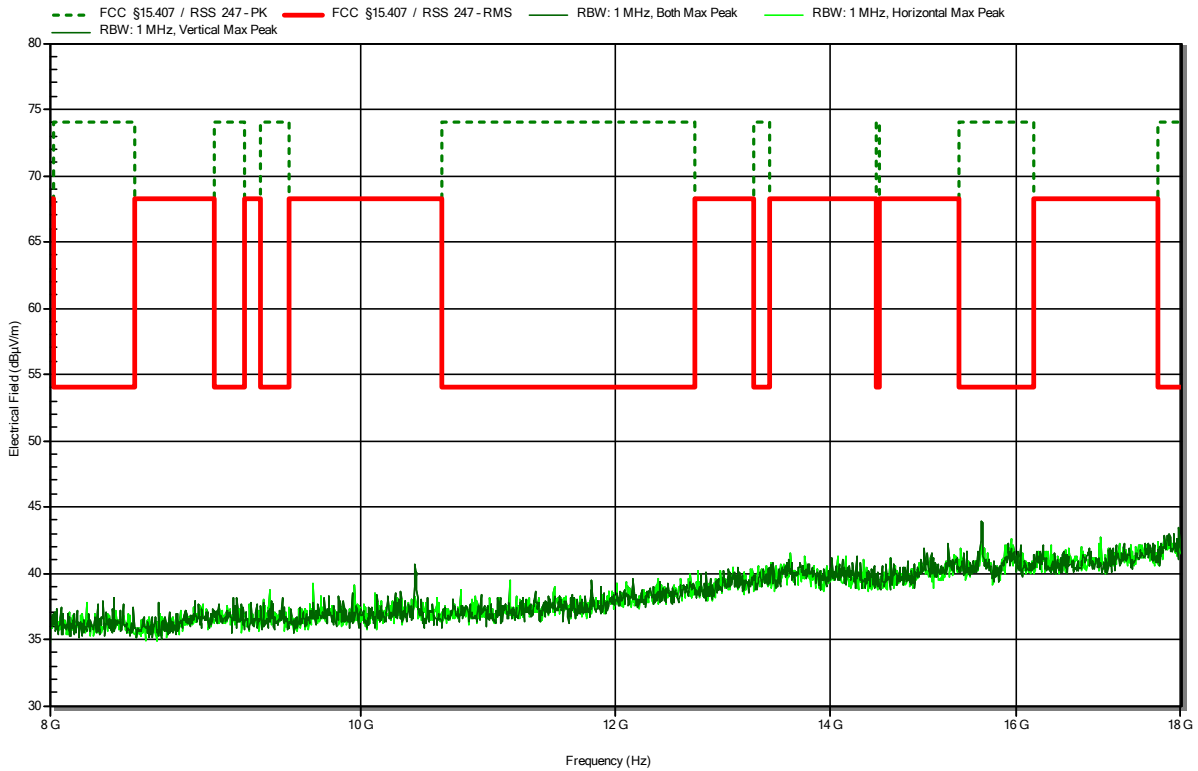


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11 ac, 5200 MHz, MCS 0, VHT20, P=19dBm
 Test Date: 2023-08-03

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RadiMation

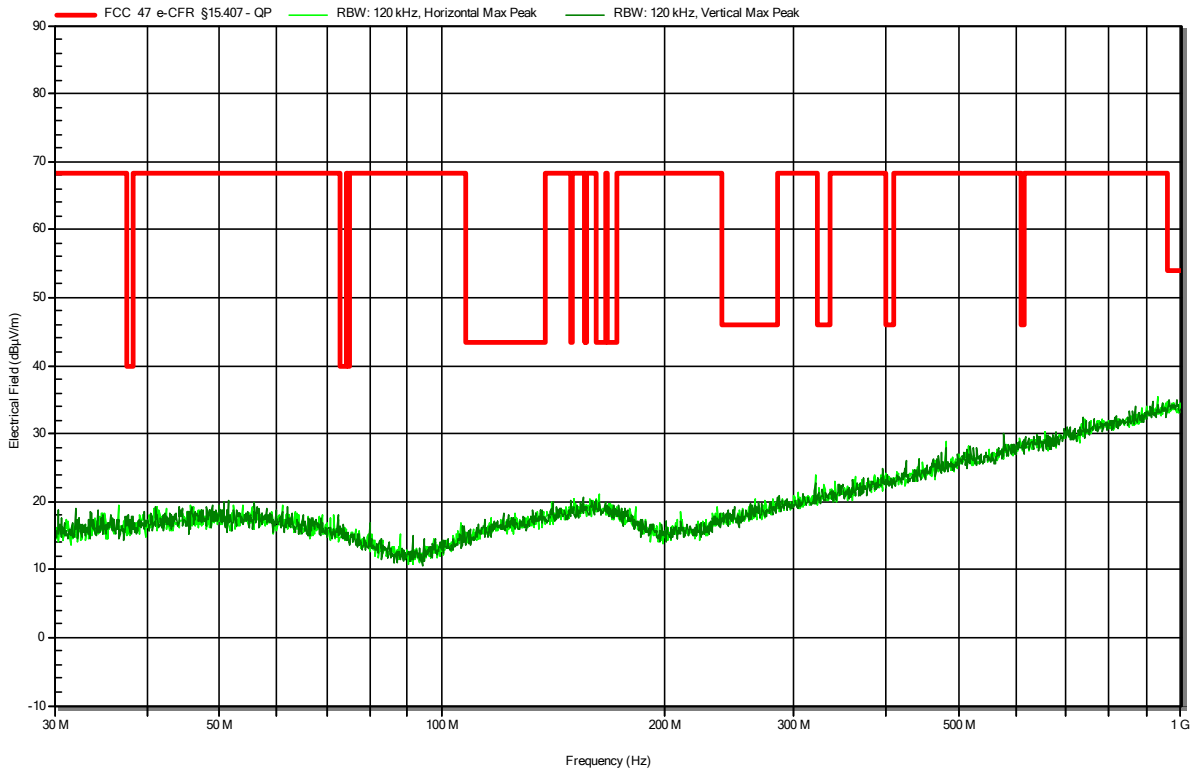


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 31 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11 ac, 5240 MHz, MCS 0, VHT20, P=19dBm
 Test Date: 2023-08-11

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RadiMation

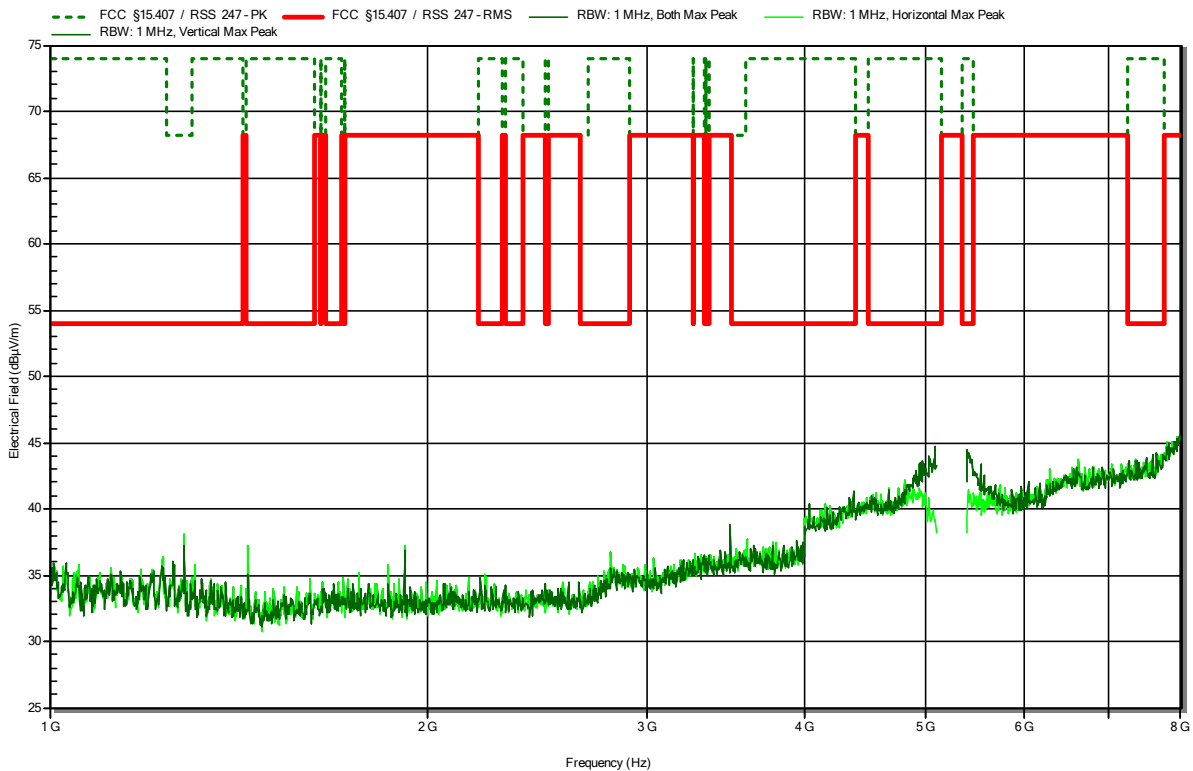


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 802.11 ac, 5240 MHz, MCS 0, VHT20, P=19dBm
 Test Date: 2023-08-03

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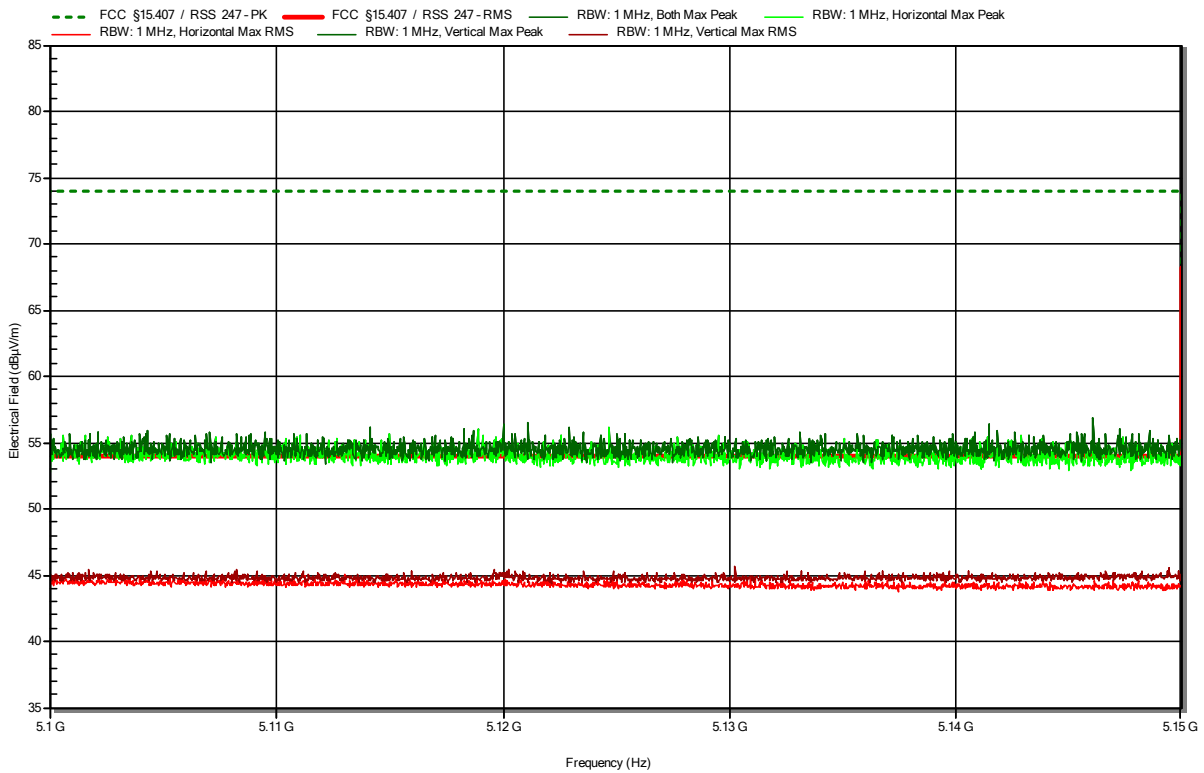
RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 802.11 ac, 5240 MHz, MCS 0, VHT20, P=19dBm
 Test Date: 2023-08-03
 Note: lower band area

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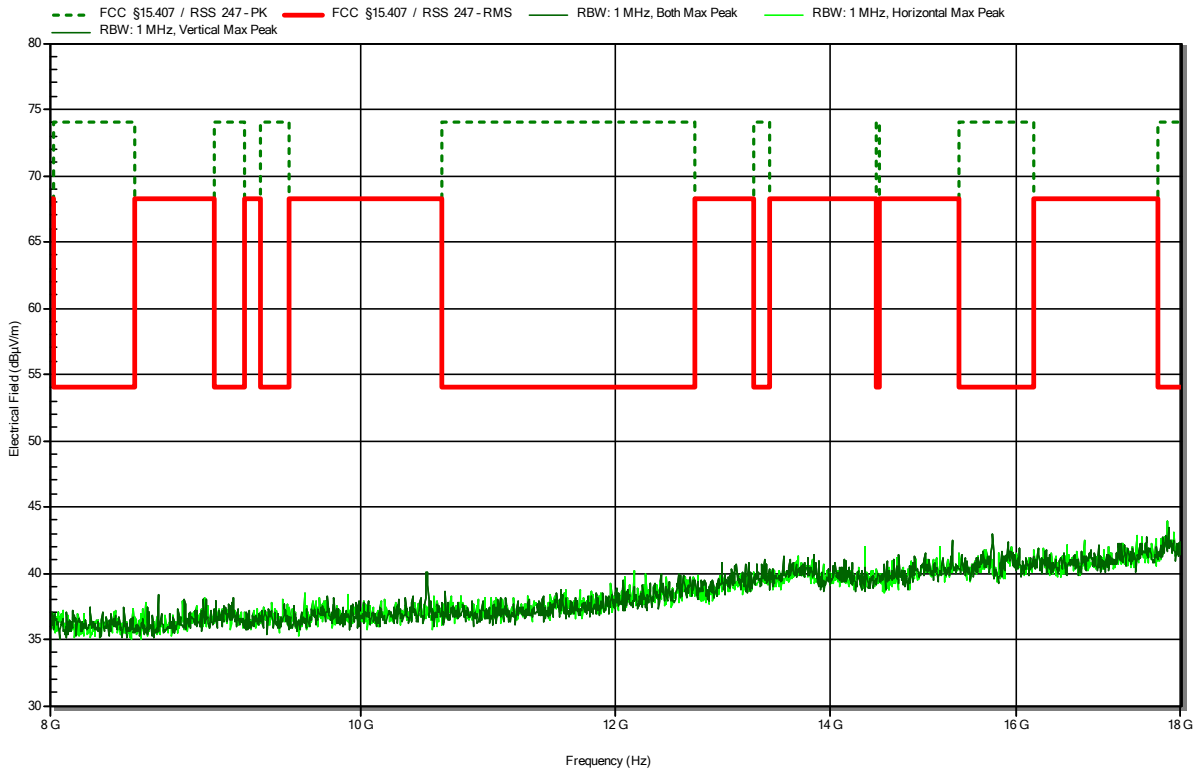


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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 HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11 ac, 5240 MHz, MCS 0, VHT20, P=19dBm
 Test Date: 2023-08-03

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Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number: G0M-2302-1881
 Applicant: u-blox Malmö AB
 Model Description: Host-based multiradio module
 Model: MAYA-W271-00B
 Test Sample ID: 43093
 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: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.11 ac, 5240 MHz, MCS 0, VHT20, P=19dBm
 Test Date: 2023-08-03

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