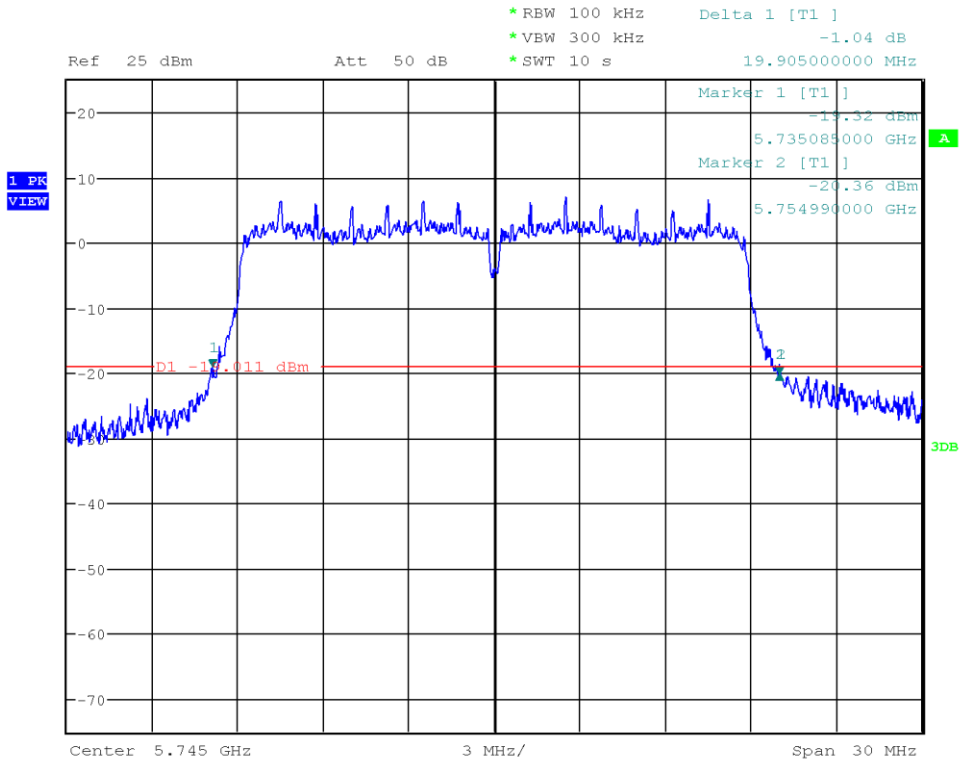
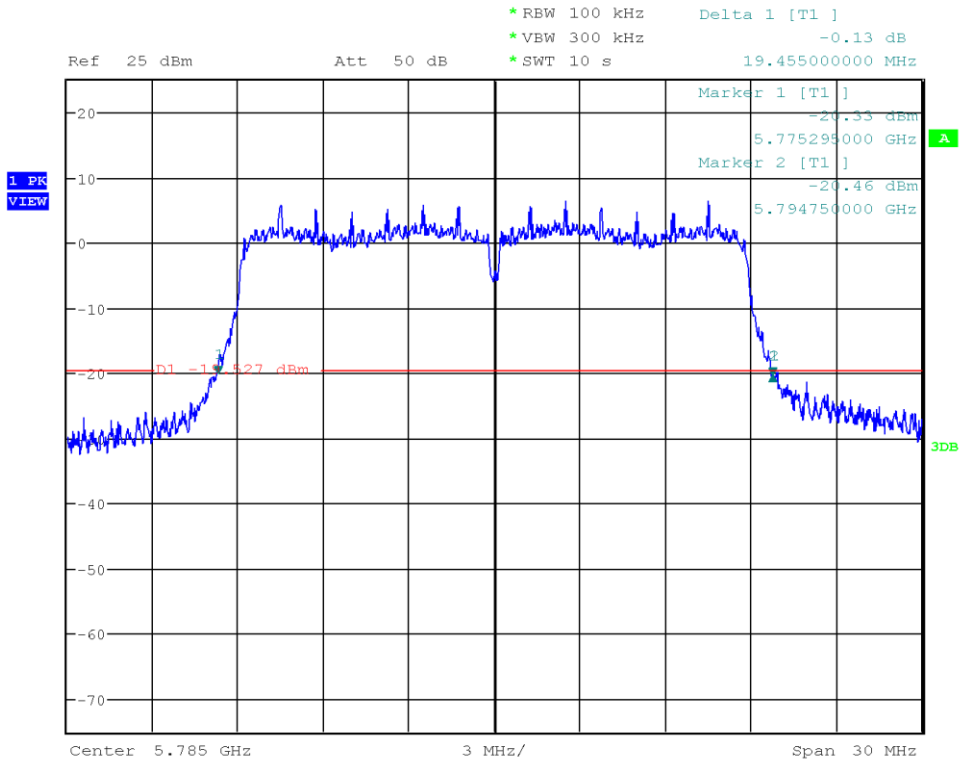
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	HT20, Bit rate= MCS 0
Lower Frequency [MHz]:	5735.085
Upper Frequency [MHz]:	5754.990
26 dB Bandwidth [MHz]:	19.905



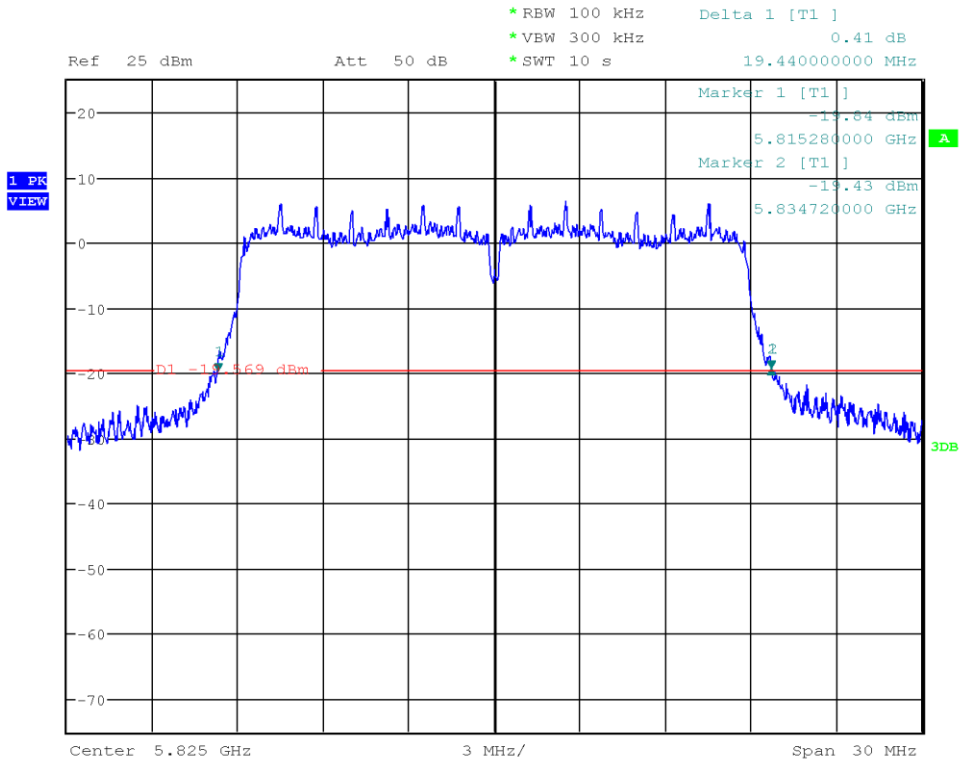
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	HT20, Bit rate= MCS 0
Lower Frequency [MHz]:	5775.295
Upper Frequency [MHz]:	5794.750
26 dB Bandwidth [MHz]:	19.455



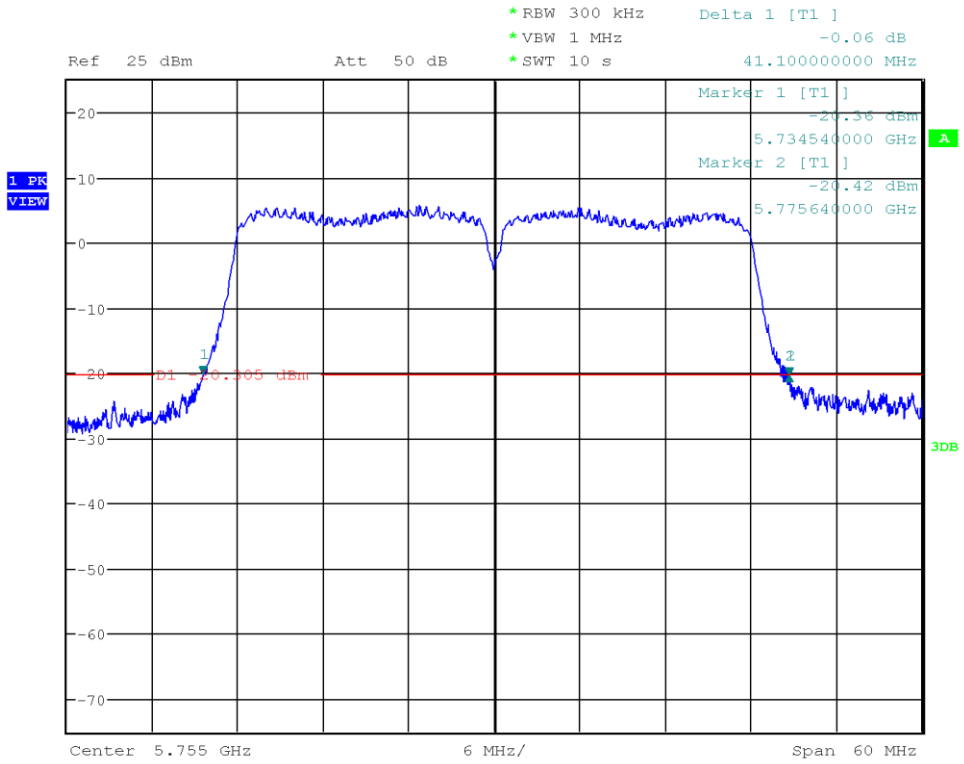
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	HT20, Bit rate= MCS 0
Lower Frequency [MHz]:	5815.280
Upper Frequency [MHz]:	5834.720
26 dB Bandwidth [MHz]:	19.440



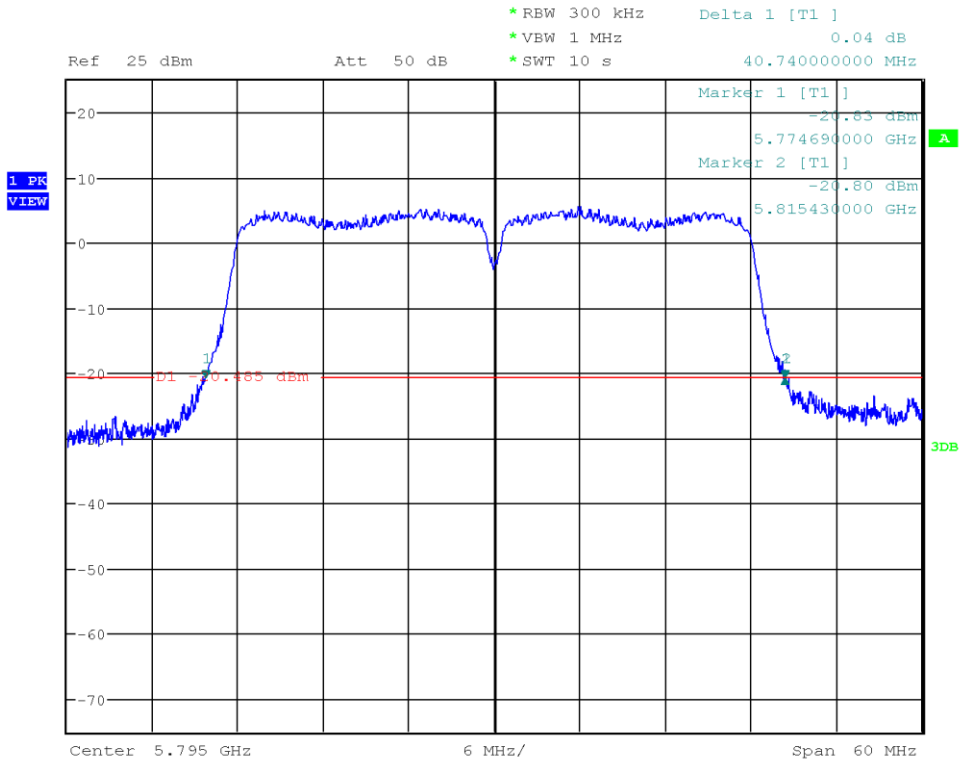
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	HT40, Bit rate= MCS 0
Lower Frequency [MHz]:	5734.540
Upper Frequency [MHz]:	5775.640
26 dB Bandwidth [MHz]:	41.100



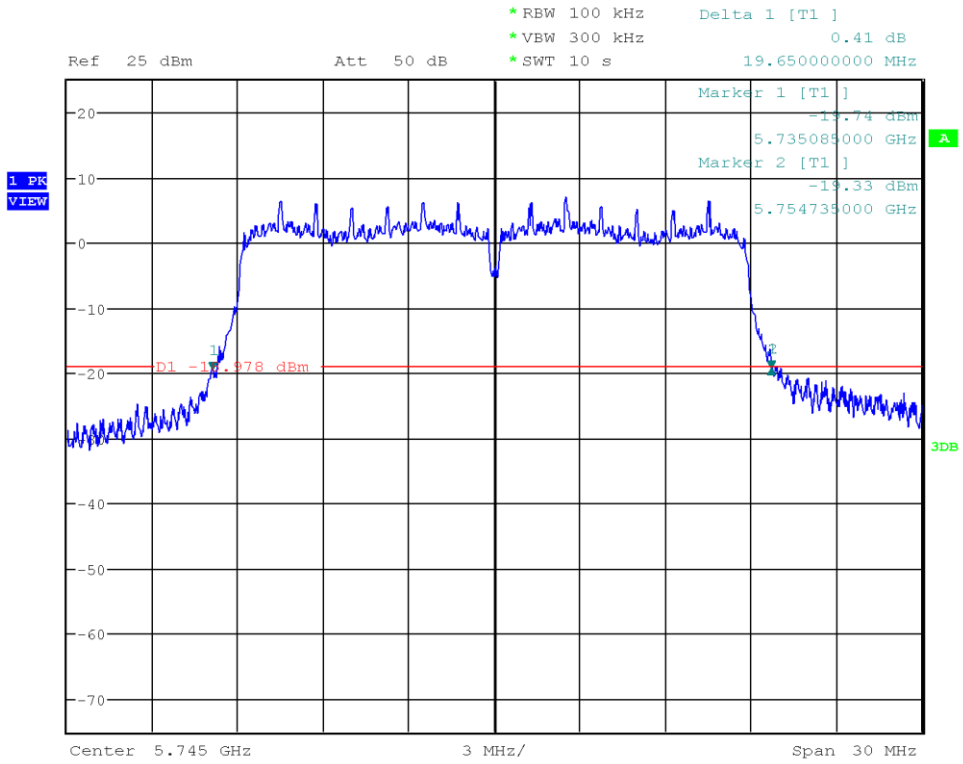
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	HT40, Bit rate= MCS 0
Lower Frequency [MHz]:	5774.690
Upper Frequency [MHz]:	5815.430
26 dB Bandwidth [MHz]:	40.740



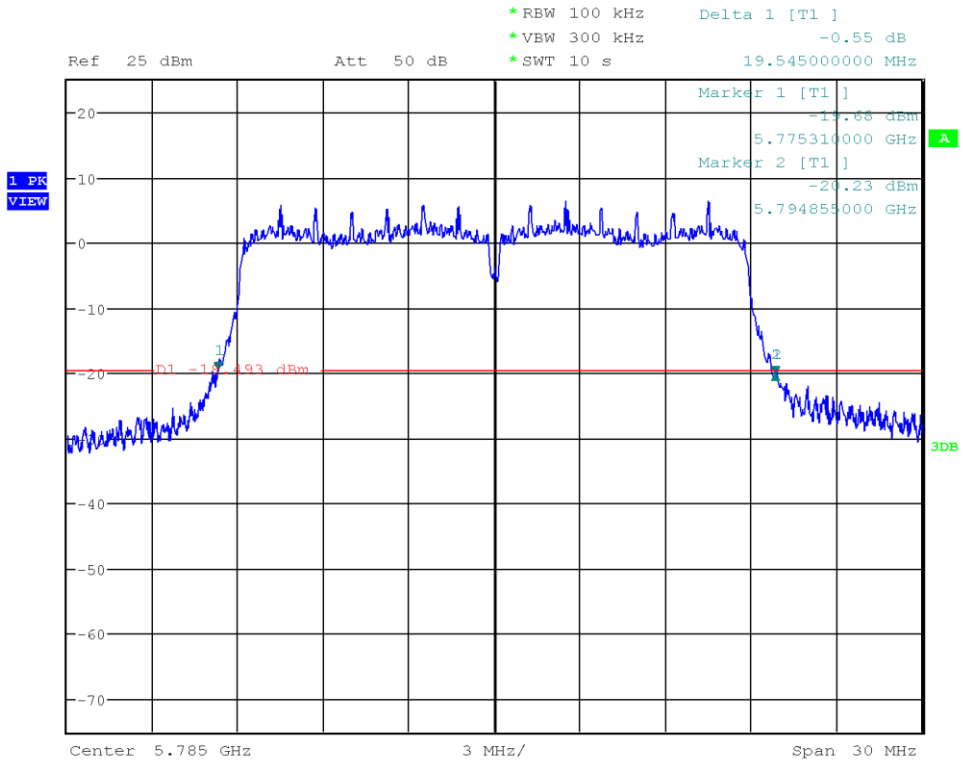
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	VHT20, Bit rate= MCS 0
Lower Frequency [MHz]:	5735.085
Upper Frequency [MHz]:	5754.735
26 dB Bandwidth [MHz]:	19.650



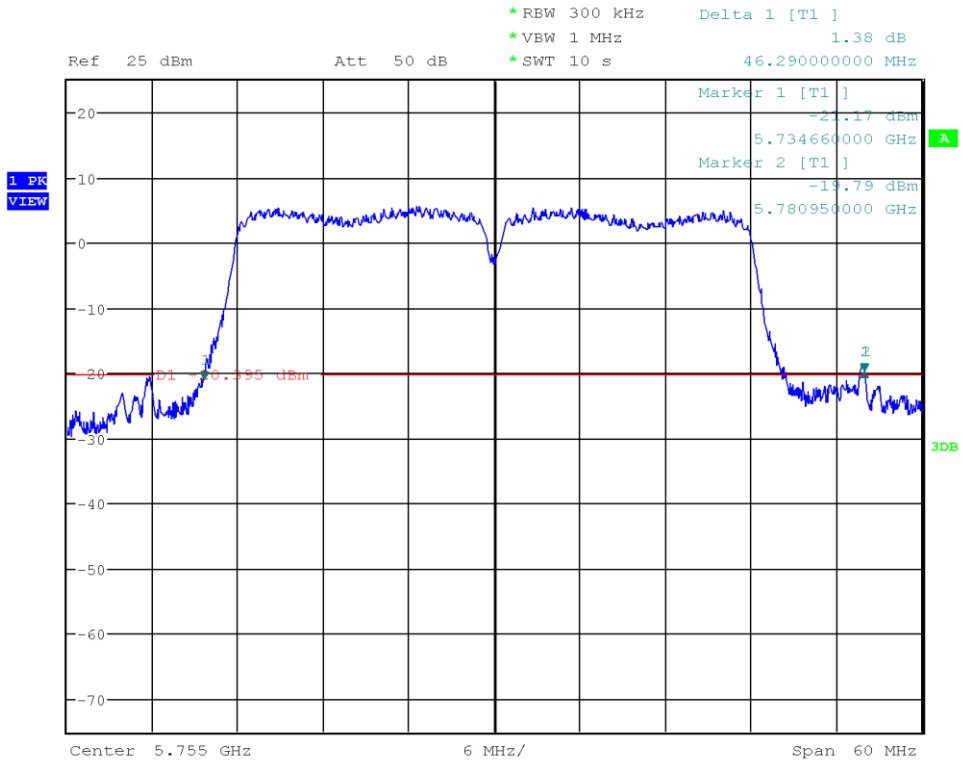
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	VHT20, Bit rate= MCS 0
Lower Frequency [MHz]:	5775.310
Upper Frequency [MHz]:	5794.855
26 dB Bandwidth [MHz]:	19.545



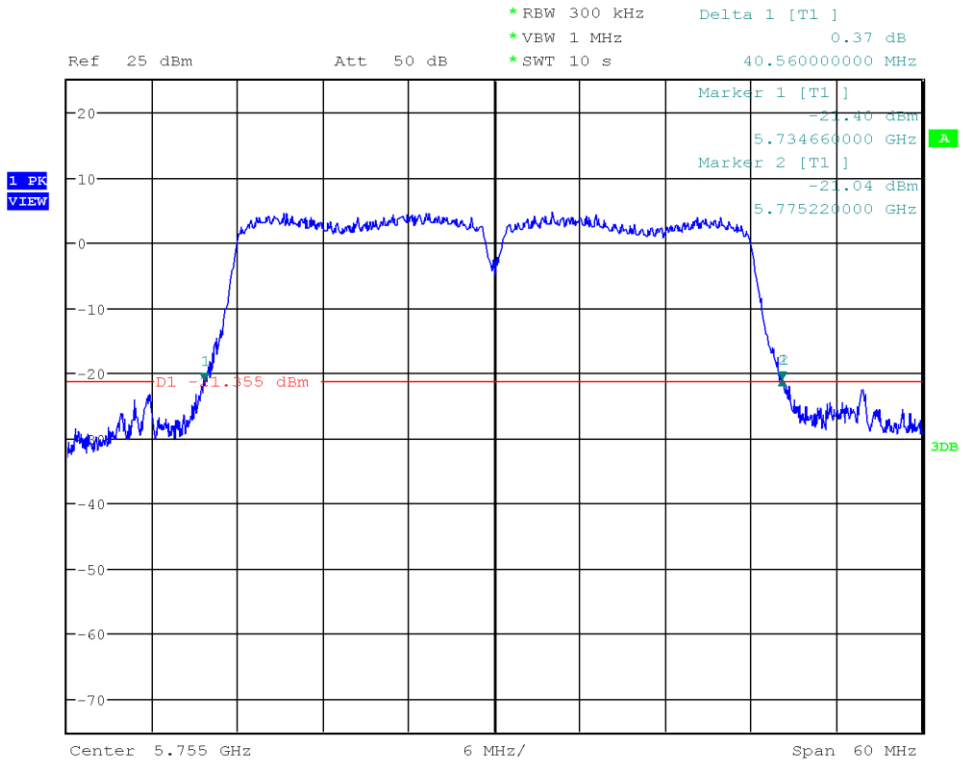
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	VHT20, Bit rate= MCS 0
Lower Frequency [MHz]:	5815.130
Upper Frequency [MHz]:	5834.720
26 dB Bandwidth [MHz]:	19.590



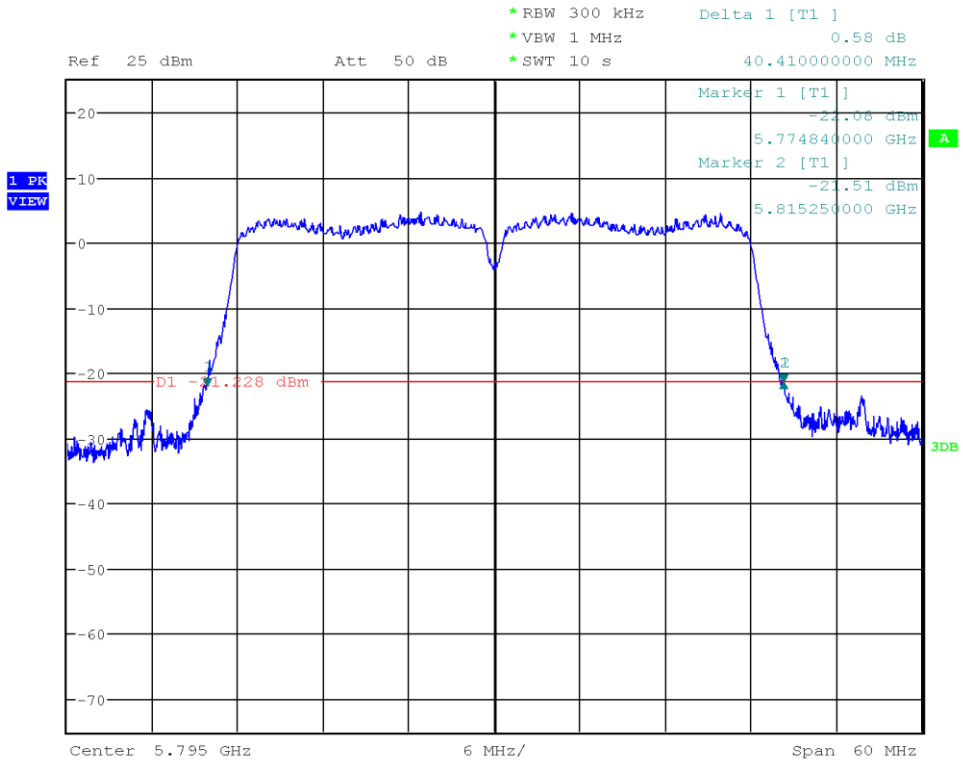
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	VHT40, Bit rate= MCS 0
Lower Frequency [MHz]:	5734.660
Upper Frequency [MHz]:	5775.220
26 dB Bandwidth [MHz]:	40.560



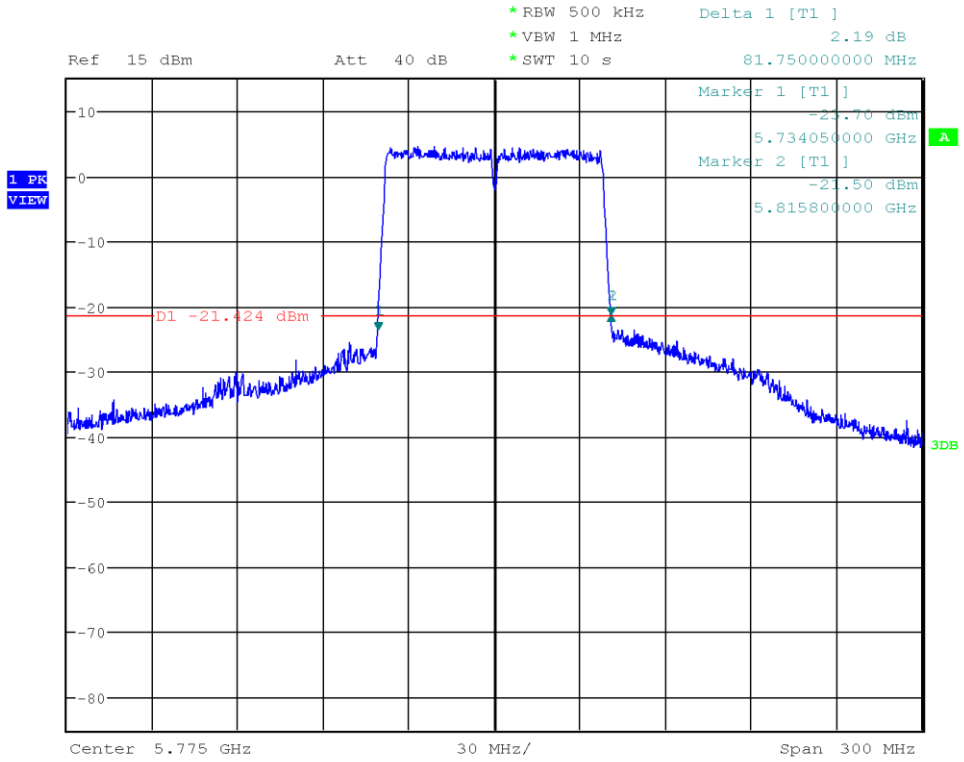
26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	VHT40, Bit rate= MCS 0
Lower Frequency [MHz]:	5774.840
Upper Frequency [MHz]:	5815.250
26 dB Bandwidth [MHz]:	40.410



26 dB Bandwidth

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-07
Note:	VHT80, Bit rate= MCS 1
Lower Frequency [MHz]:	5734.050
Upper Frequency [MHz]:	5815.800
26 dB Bandwidth [MHz]:	81.750



3.3 Test Conditions and Results - Maximum output power

3.3.1 Information

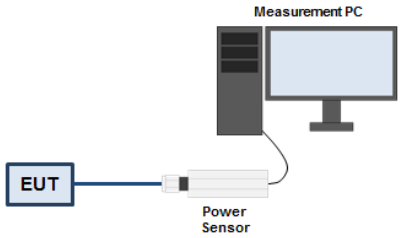
Test Information	
Reference	FCC 15.407(a)
Measurement Method	KDB 789033 E
Operator	Radwan Jaafar
Date	2023-06-07
Measurement uncertainty	±1.59 %
Note	Power level set according to section 1.9 Power Setting. Worst cases were considered.

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

Test Setup



3.3.4 Equipment

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

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	16.8	24	PASS
OFDM	40	5200	20	19.4	24	PASS
OFDM	48	5240	20	19.5	24	PASS
HT20	36	5180	20	16.8	24	PASS
HT20	40	5200	20	19.5	24	PASS
HT20	48	5240	20	19.4	24	PASS
HT40	36+40	5190	40	15.7	24	PASS
HT40	44+48	5230	40	19.3	24	PASS
VHT20	36	5180	20	16.8	24	PASS
VHT20	40	5200	20	19.5	24	PASS
VHT20	48	5240	20	19.4	24	PASS
VHT40	36+40	5190	40	15.6	24	PASS
VHT40	44+48	5230	40	19.3	24	PASS
VHT80	36+40+44+48	5210	80	13.3	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	16.4	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	16.3	23.8	PASS
HT40	52+56	5270	40	18.8	24	PASS
HT40	60+64	5310	40	13	24	PASS
VHT20	52	5260	20	18.7	23.8	PASS
VHT20	56	5280	20	18.6	23.8	PASS
VHT20	64	5320	20	16.3	23.8	PASS
VHT40	52+56	5270	40	18.5	24	PASS
VHT40	60+64	5310	40	13	24	PASS
VHT80	52+56+60+64	5290	80	13	24	PASS

Test Results - 5470 - 5725 MHz						
Mode	Channel	Frequency [MHz]]	Nominal BW [MHz]	Power [dBm]	Limit [dBm]	Verdict
OFDM	100	5500	20	16	23.8	PASS
OFDM	120	5600	20	17.8	23.8	PASS
OFDM	144	5720	20	15.1	23.8	PASS
HT20	100	5500	20	16	23.9	PASS
HT20	120	5600	20	17.7	23.9	PASS
HT20	144	5720	20	15	23.9	PASS
HT40	100+104	5510	40	10.7	24	PASS
HT40	116+120	5590	40	17.8	24	PASS
HT40	140+144	5710	40	14.3	24	PASS
VHT20	100	5500	20	16.1	23.9	PASS
VHT20	120	5600	20	18	23.9	PASS
VHT20	144	5720	20	15.1	23.9	PASS
VHT40	100+104	5510	40	10.7	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	10.8	24	PASS
VHT80	116+120+124+128	5610	80	15	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	15.8	30	PASS
OFDM	157	5785	20	18.5	30	PASS
OFDM	165	5825	20	18.7	30	PASS
HT20	149	5745	20	15.8	30	PASS
HT20	157	5785	20	18.5	30	PASS
HT20	165	5825	20	18.6	30	PASS
HT40	149+153	5755	40	15.6	30	PASS
HT40	157+161	5795	40	18.2	30	PASS
VHT20	149	5745	20	15.8	30	PASS
VHT20	157	5785	20	18.4	30	PASS
VHT20	165	5825	20	18.7	30	PASS
VHT40	149+153	5755	40	15.6	30	PASS
VHT40	157+161	5795	40	18.3	30	PASS
VHT80	149+153+157+161	5775	80	15.5	30	PASS

3.4 Test Conditions and Results - Power spectral density

3.4.1 Information

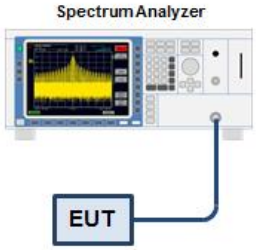
Test Information	
Reference	FCC 15.407(a)
Measurement Method	KDB 789033 F
Operator	Radwan Jaafar
Date	2023-06-08
Measurement uncertainty	±2.86 %
Note	Power level set according to section 1.9 Power Setting. Worst cases were considered.

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

Test Setup



3.4.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSU 26	EF01003	2022-07	2023-07

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 ≥ 2 x span / 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 x Log_{10}(1/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	5.183	11	PASS
OFDM	40	5200	20	7.675	11	PASS
OFDM	48	5240	20	7.202	11	PASS
HT20	36	5180	20	5.333	11	PASS
HT20	40	5200	20	7.515	11	PASS
HT20	48	5240	20	6.935	11	PASS
HT40	36+40	5190	40	-1.222	11	PASS
HT40	44+48	5230	40	4.111	11	PASS
VHT20	36	5180	20	5.188	11	PASS
VHT20	40	5200	20	7.491	11	PASS
VHT20	48	5240	20	6.965	11	PASS
VHT40	36+40	5190	40	-1.259	11	PASS
VHT40	44+48	5230	40	4.071	11	PASS
VHT80	36+40+44+48	5210	80	-4.721	11	PASS
RBW= 1 MHz						

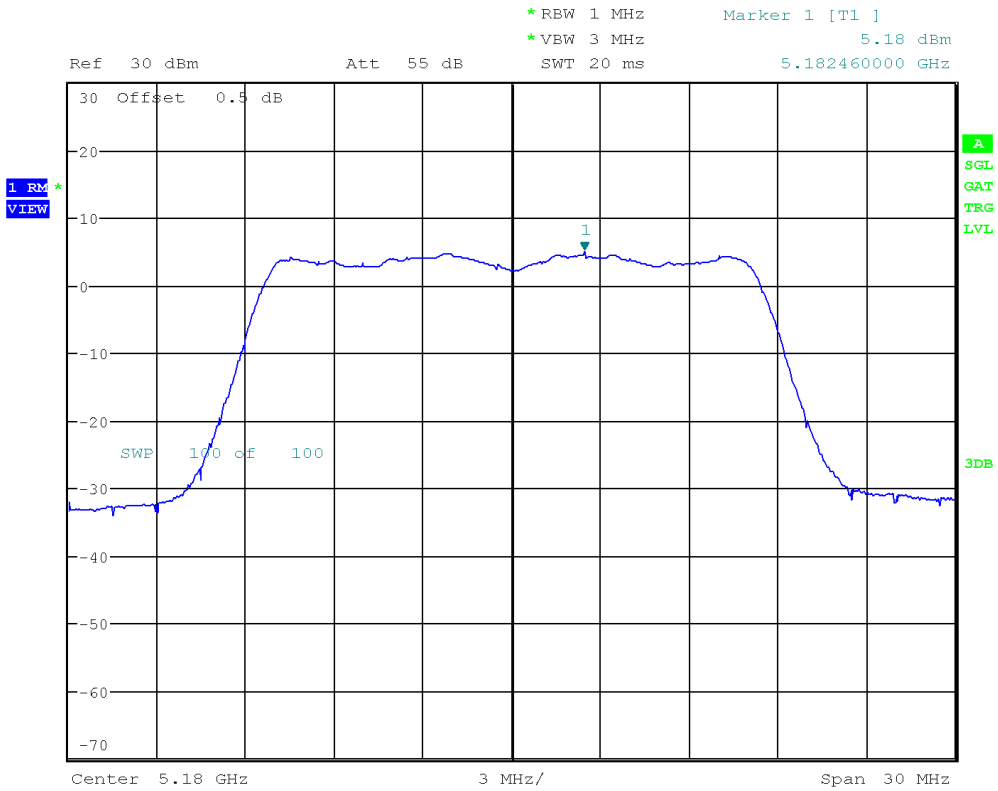
Test Results - 5250 - 5350 MHz						
Mode	Channel	Frequency [MHz]	Nominal BW [MHz]	PSD [dBm/RBW]	Limit [dBm/RBW]	Verdict
OFDM	52	5260	20	7.123	11	PASS
OFDM	56	5280	20	7.014	11	PASS
OFDM	64	5320	20	4.116	11	PASS
HT20	52	5260	20	6.830	11	PASS
HT20	56	5280	20	6.767	11	PASS
HT20	64	5320	20	4.708	11	PASS
HT40	52+56	5270	40	3.736	11	PASS
HT40	60+64	5310	40	-1.680	11	PASS
VHT20	52	5260	20	6.873	11	PASS
VHT20	56	5280	20	6.855	11	PASS
VHT20	64	5320	20	4.569	11	PASS
VHT40	52+56	5270	40	3.773	11	PASS
VHT40	60+64	5310	40	-1.461	11	PASS
VHT80	52+56+60+64	5290	80	-4.808	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	3.458	11	PASS
OFDM	120	5600	20	6.349	11	PASS
OFDM	144	5720	20	3.076	11	PASS
HT20	100	5500	20	3.887	11	PASS
HT20	120	5600	20	6.030	11	PASS
HT20	144	5720	20	3.280	11	PASS
HT40	100+104	5510	40	-3.881	11	PASS
HT40	116+120	5590	40	3.000	11	PASS
HT40	140+144	5710	40	-0.280	11	PASS
VHT20	100	5500	20	3.977	11	PASS
VHT20	120	5600	20	6.023	11	PASS
VHT20	144	5720	20	3.241	11	PASS
VHT40	100+104	5510	40	-4.161	11	PASS
VHT40	116+120	5590	40	3.013	11	PASS
VHT40	140+144	5710	40	0.289	11	PASS
VHT80	100+104+108+112	5530	80	-6.941	11	PASS
VHT80	116+120+124+128	5610	80	-2.703	11	PASS
VHT80	132+136+140+144	5690	80	-3.187	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	2.031	30	PASS
OFDM	157	5785	20	3.984	30	PASS
OFDM	165	5825	20	3.991	30	PASS
HT20	149	5745	20	2.154	30	PASS
HT20	157	5785	20	3.619	30	PASS
HT20	165	5825	20	3.676	30	PASS
HT40	149+153	5755	40	-1.045	30	PASS
HT40	157+161	5795	40	0.478	30	PASS
VHT20	149	5745	20	2.239	30	PASS
VHT20	157	5785	20	3.692	30	PASS
VHT20	165	5825	20	3.658	30	PASS
VHT40	149+153	5755	40	-0.650	30	PASS
VHT40	157+161	5795	40	0.391	30	PASS
VHT80	149+153+157+161	5775	80	-4.486	30	PASS
RBW= 0.5 MHz						

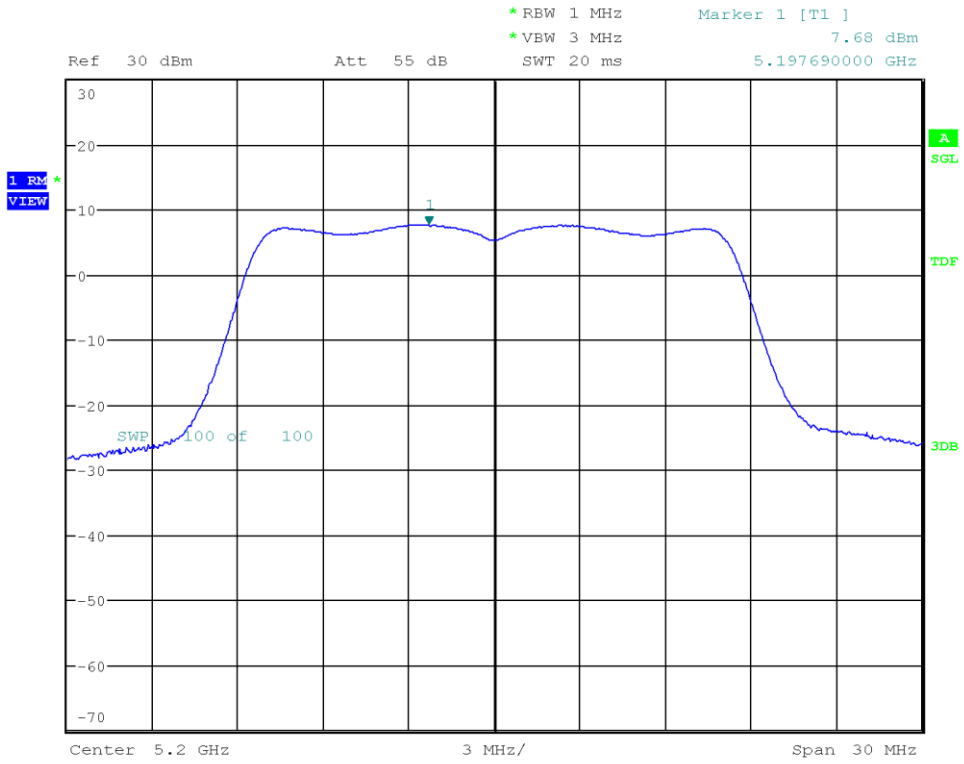
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = 9 Mbps, Power level = 17
Maximum Frequency [MHz]:	5182.460
Spectral Density [dBm/RBW]:	5.183
Resolution Bandwidth [MHz]:	1



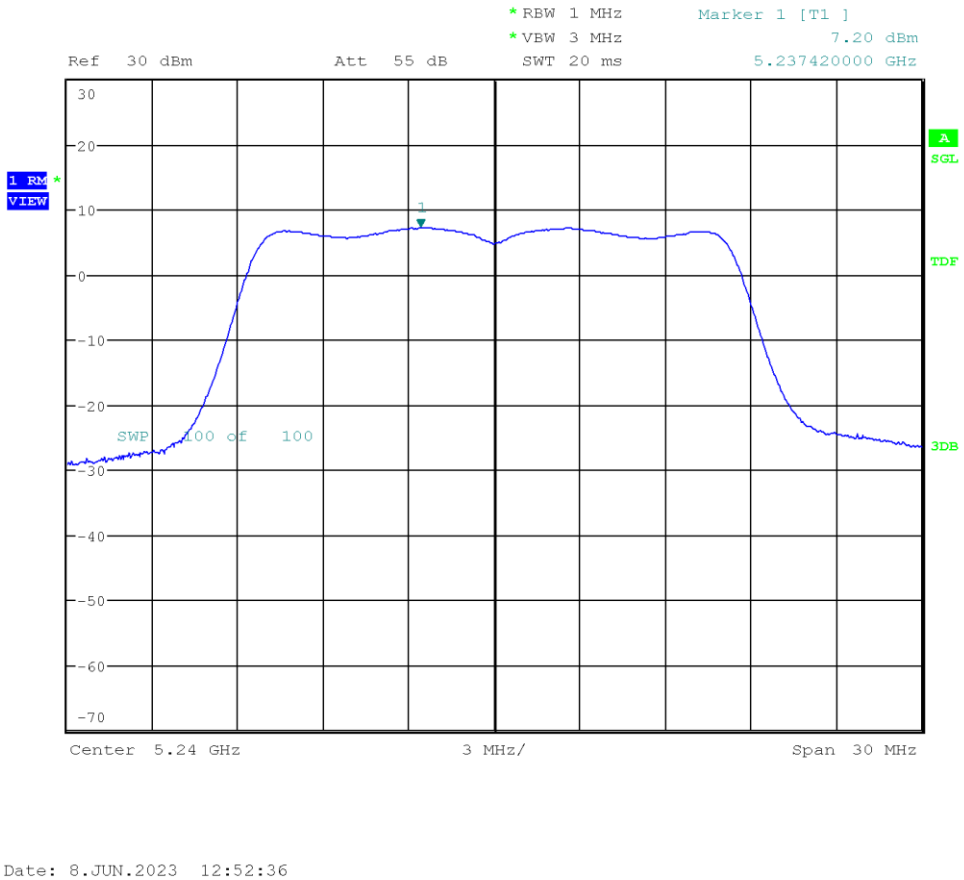
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= 9 Mbps, Power Level =19
Maximum Frequency [MHz]:	5197.690
Spectral Density [dBm/RBW]:	7.675
Resolution Bandwidth [MHz]:	1



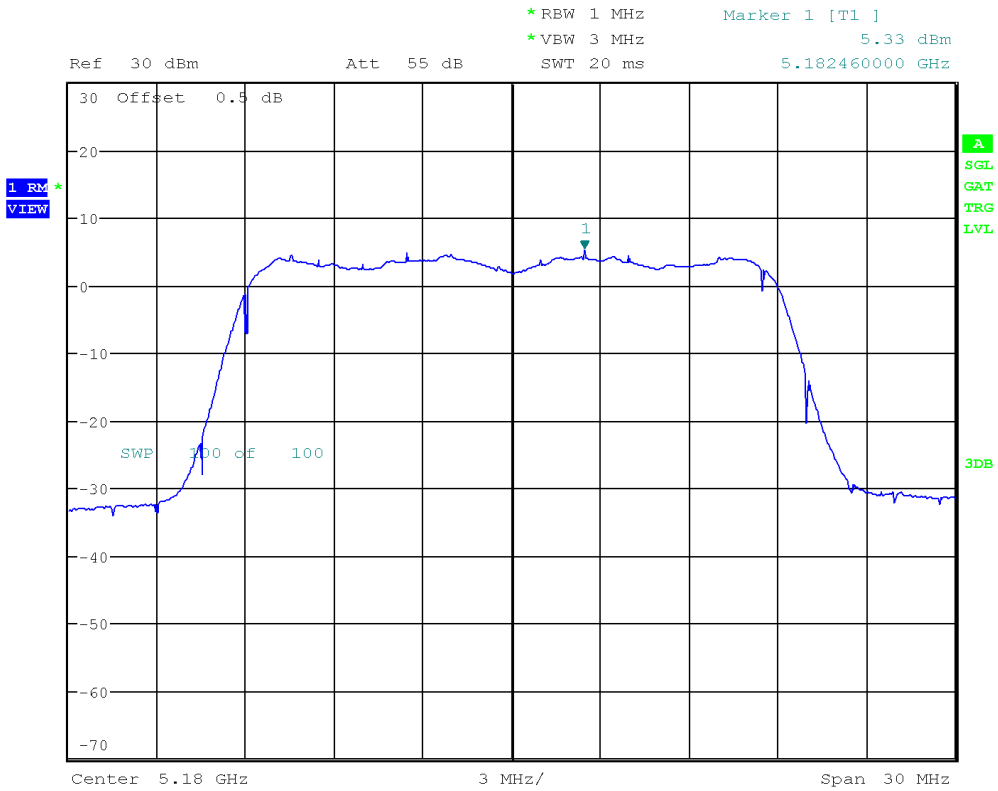
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= 9 Mbps, Power Level =19
Maximum Frequency [MHz]:	5237.420
Spectral Density [dBm/RBW]:	7.202
Resolution Bandwidth [MHz]:	1



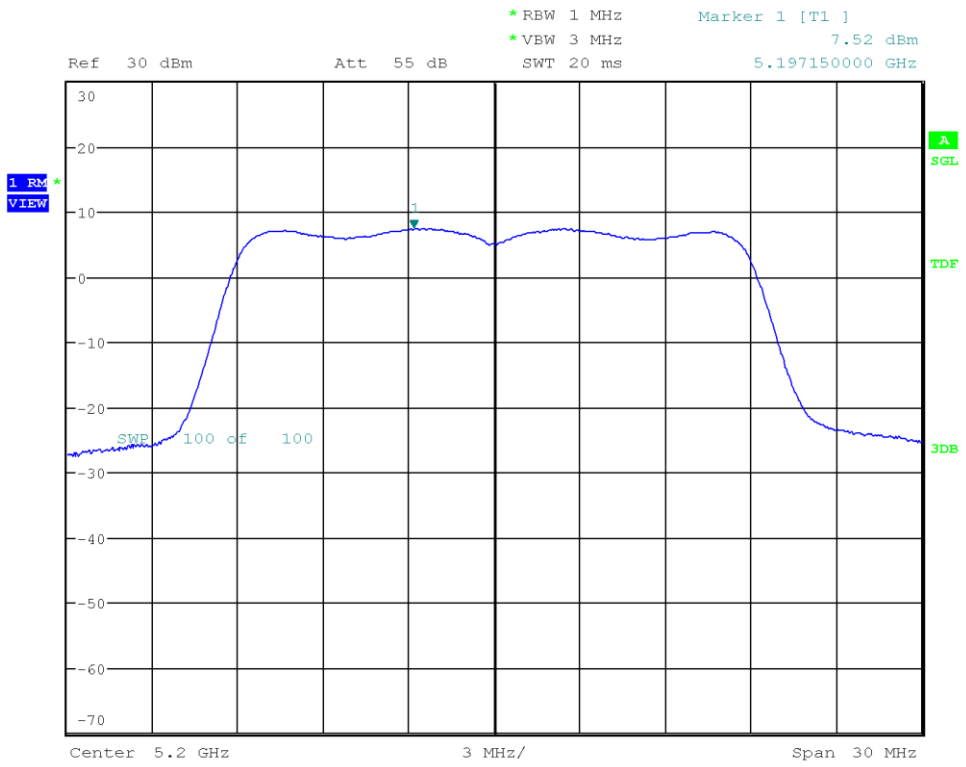
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = 9 Mbps, Power level = 17
Maximum Frequency [MHz]:	5182.460
Spectral Density [dBm/RBW]:	5.333
Resolution Bandwidth [MHz]:	1



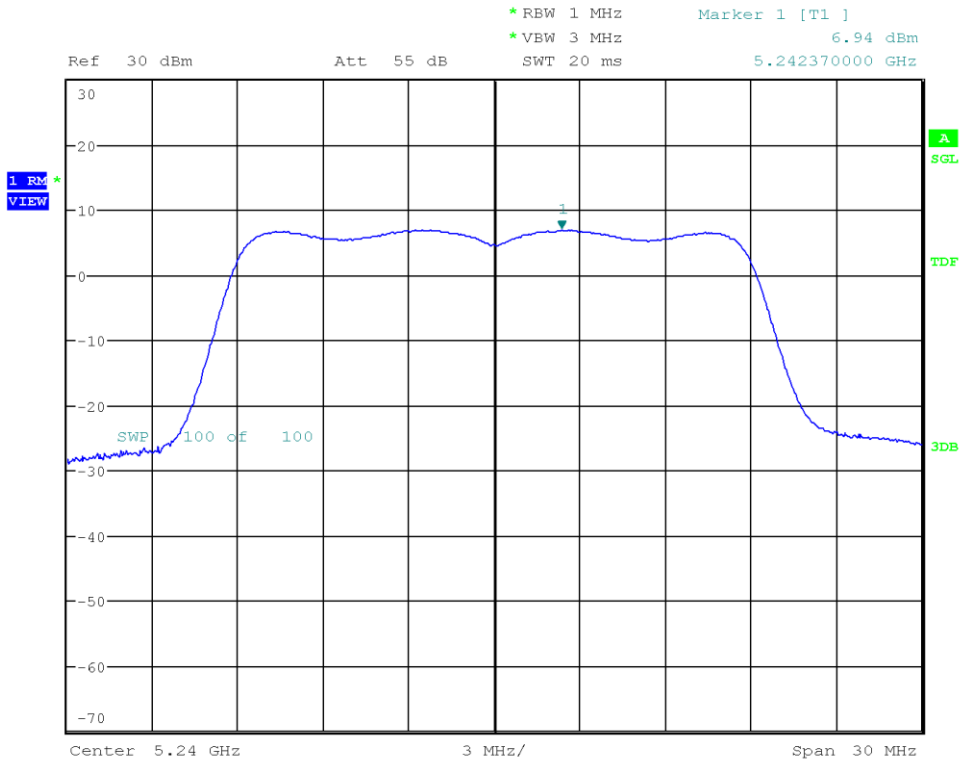
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 3, Power Level =19
Maximum Frequency [MHz]:	5197.150
Spectral Density [dBm/RBW]:	7.515
Resolution Bandwidth [MHz]:	1



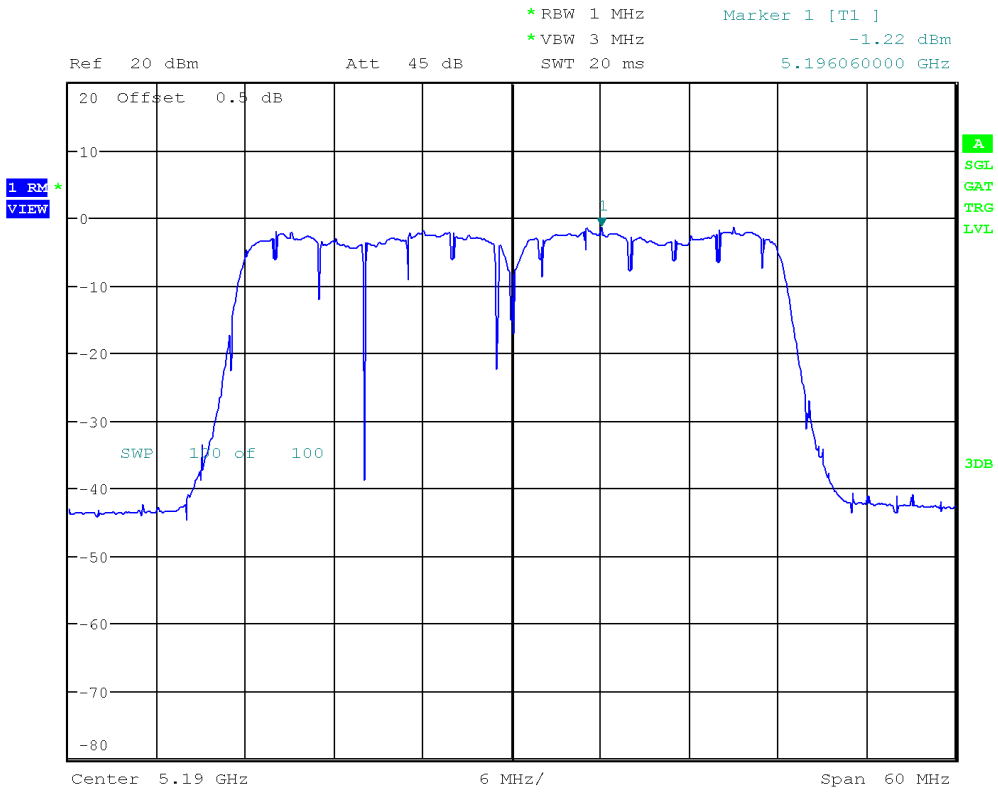
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 3, Power Level =19
Maximum Frequency [MHz]:	5242.370
Spectral Density [dBm/RBW]:	6.935
Resolution Bandwidth [MHz]:	1



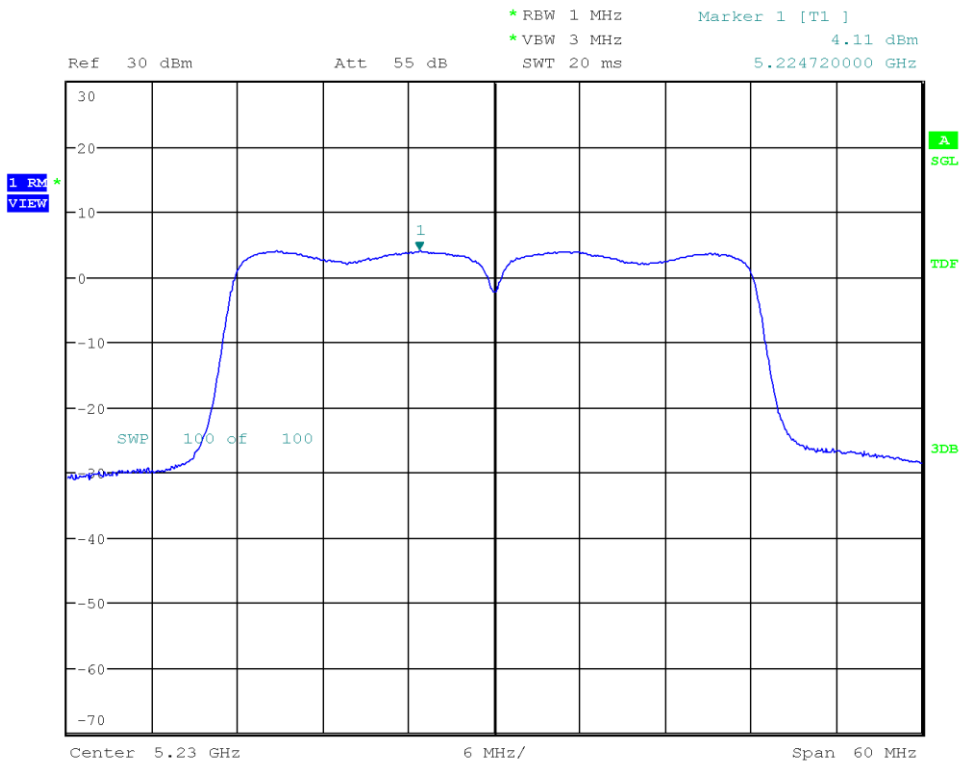
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 5, Power level = 14
Maximum Frequency [MHz]:	5196.060
Spectral Density [dBm/RBW]:	-1.222
Resolution Bandwidth [MHz]:	1



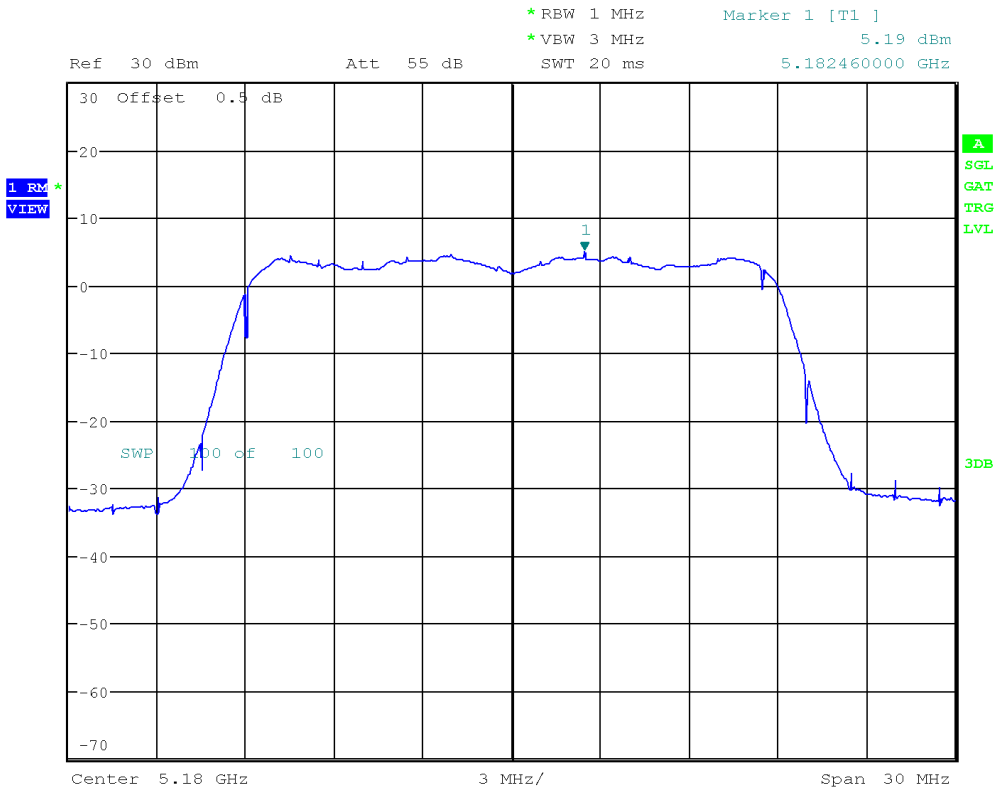
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 5, Power Level =19
Maximum Frequency [MHz]:	5224.720
Spectral Density [dBm/RBW]:	4.111
Resolution Bandwidth [MHz]:	1



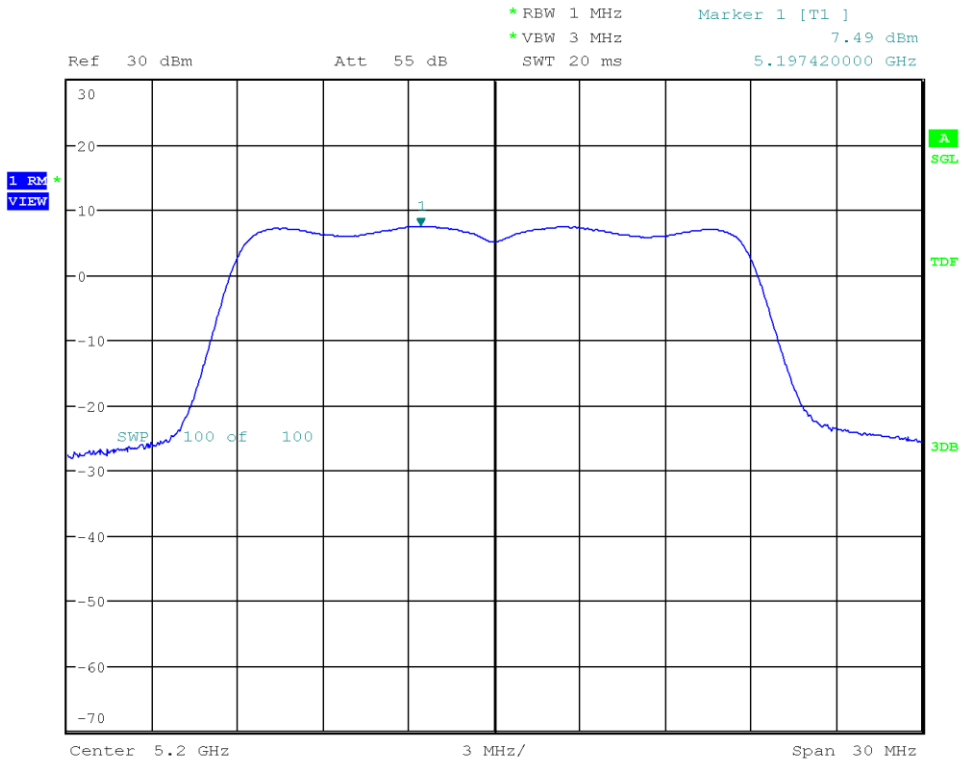
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = 9 Mbps, Power level = 17
Maximum Frequency [MHz]:	5182.460
Spectral Density [dBm/RBW]:	5.188
Resolution Bandwidth [MHz]:	1



Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5197.420
Spectral Density [dBm/RBW]:	7.491
Resolution Bandwidth [MHz]:	1



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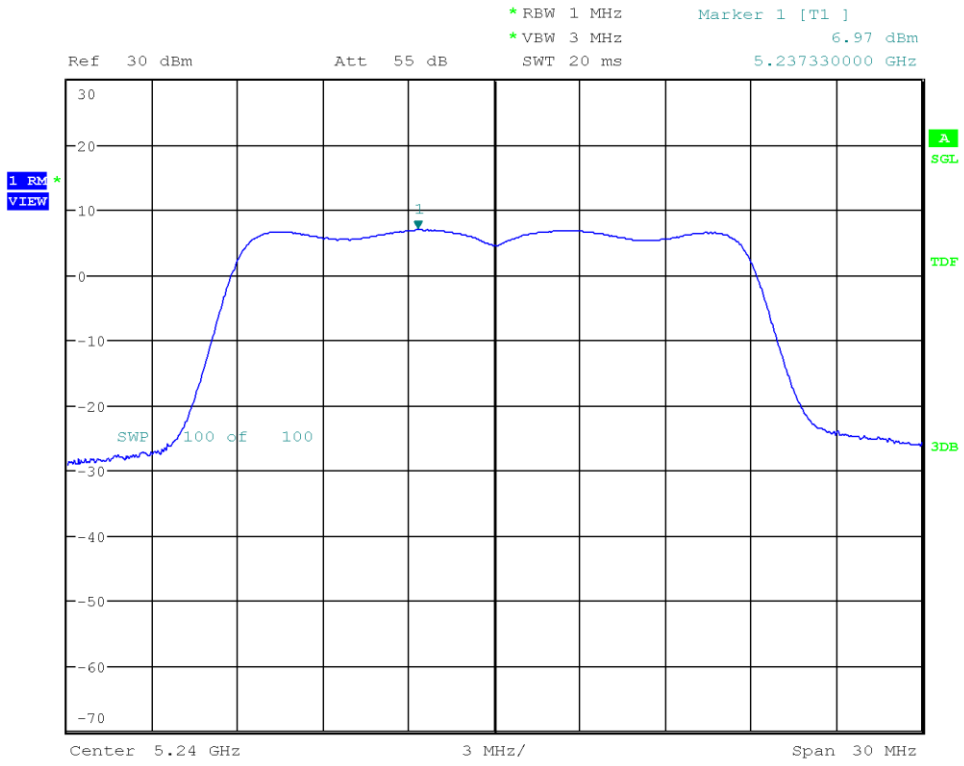
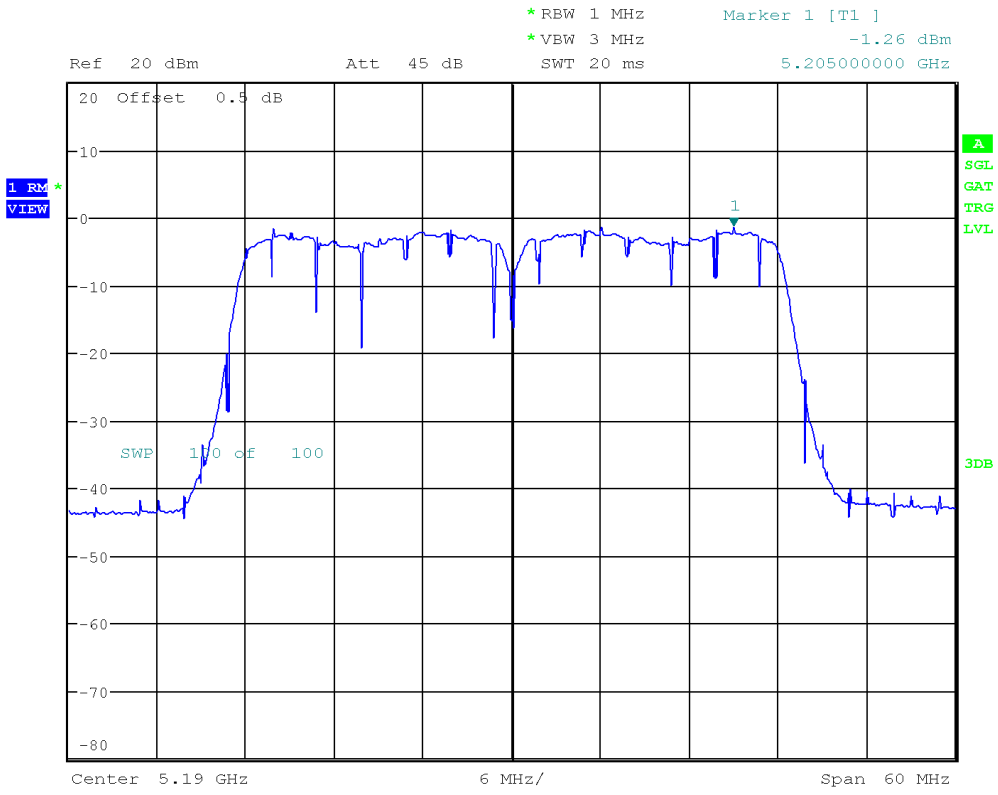
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5237.330
Spectral Density [dBm/RBW]:	6.965
Resolution Bandwidth [MHz]:	1



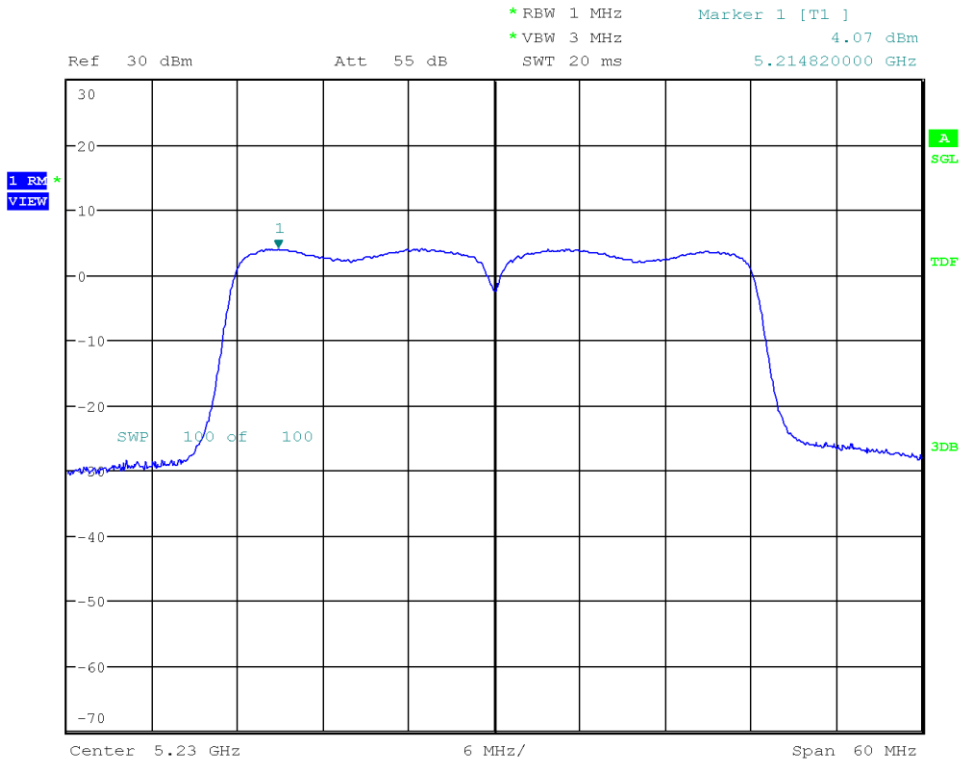
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 6, Power level = 14
Maximum Frequency [MHz]:	5205.000
Spectral Density [dBm/RBW]:	-1.259
Resolution Bandwidth [MHz]:	1



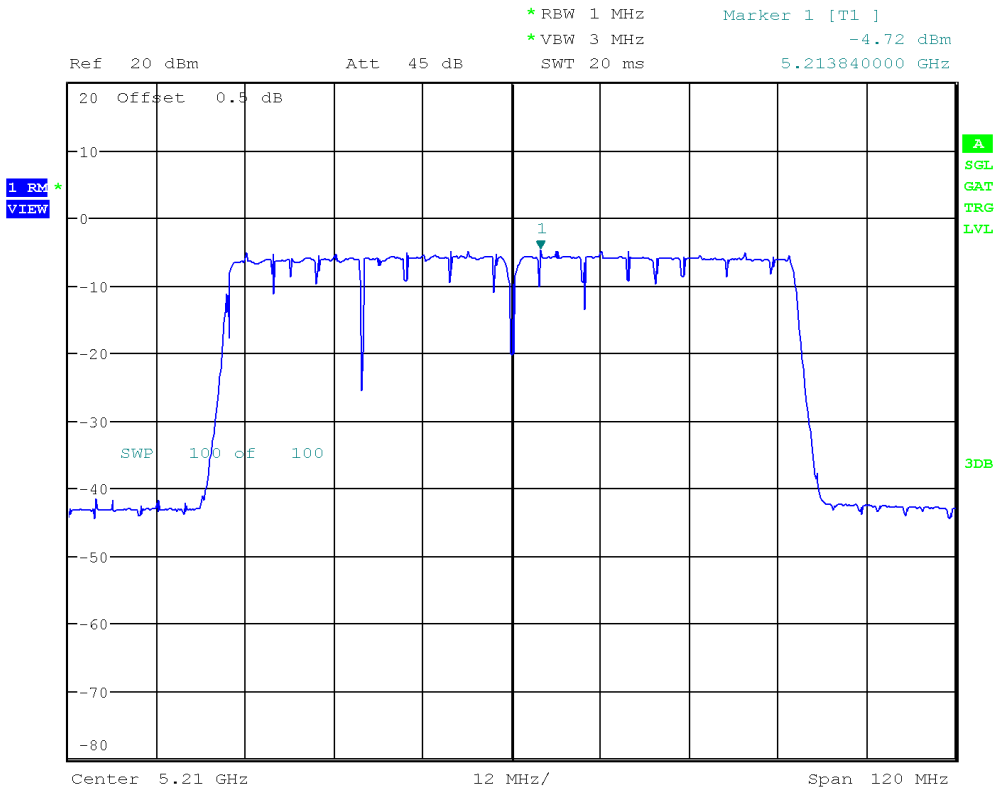
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 6, Power Level =19
Maximum Frequency [MHz]:	5214.820
Spectral Density [dBm/RBW]:	4.071
Resolution Bandwidth [MHz]:	1



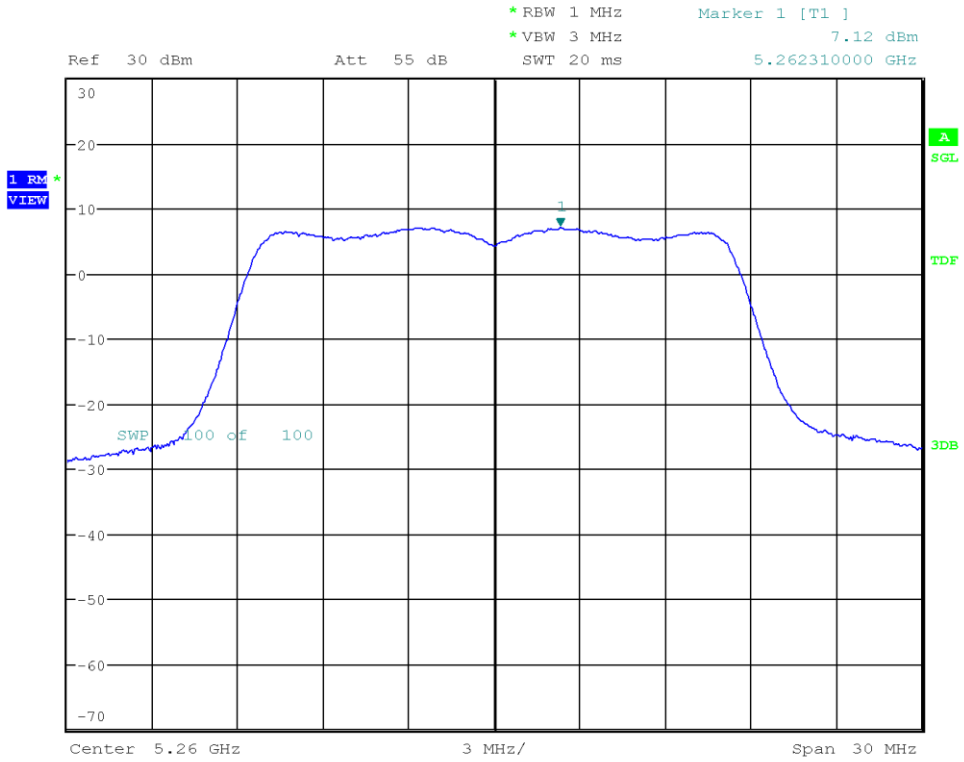
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 14
Maximum Frequency [MHz]:	5213.840
Spectral Density [dBm/RBW]:	-4.721
Resolution Bandwidth [MHz]:	1



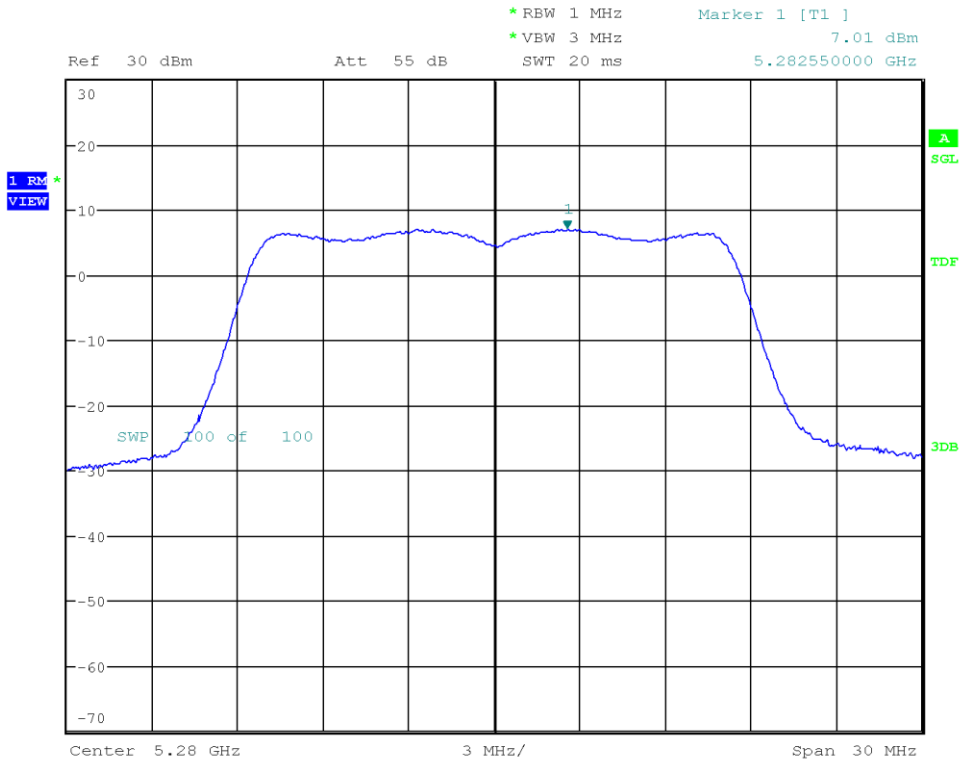
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= 54 Mbps, Power Level =19
Maximum Frequency [MHz]:	5262.310
Spectral Density [dBm/RBW]:	7.123
Resolution Bandwidth [MHz]:	1



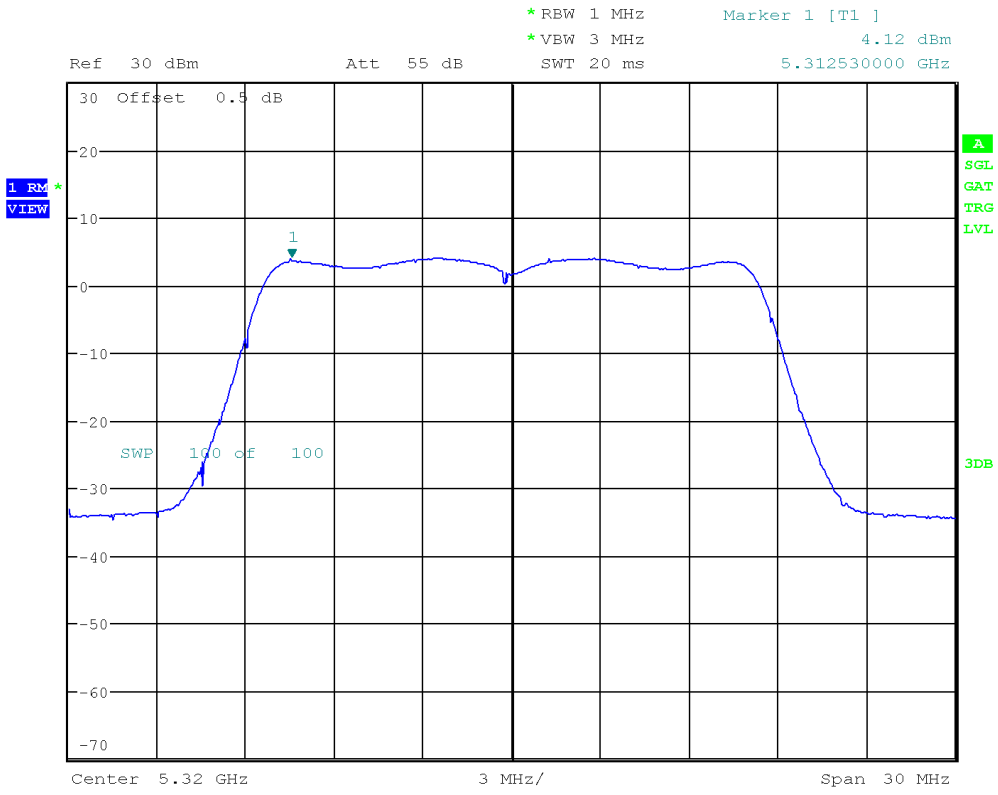
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= 54 Mbps, Power Level =19
Maximum Frequency [MHz]:	5282.550
Spectral Density [dBm/RBW]:	7.014
Resolution Bandwidth [MHz]:	1



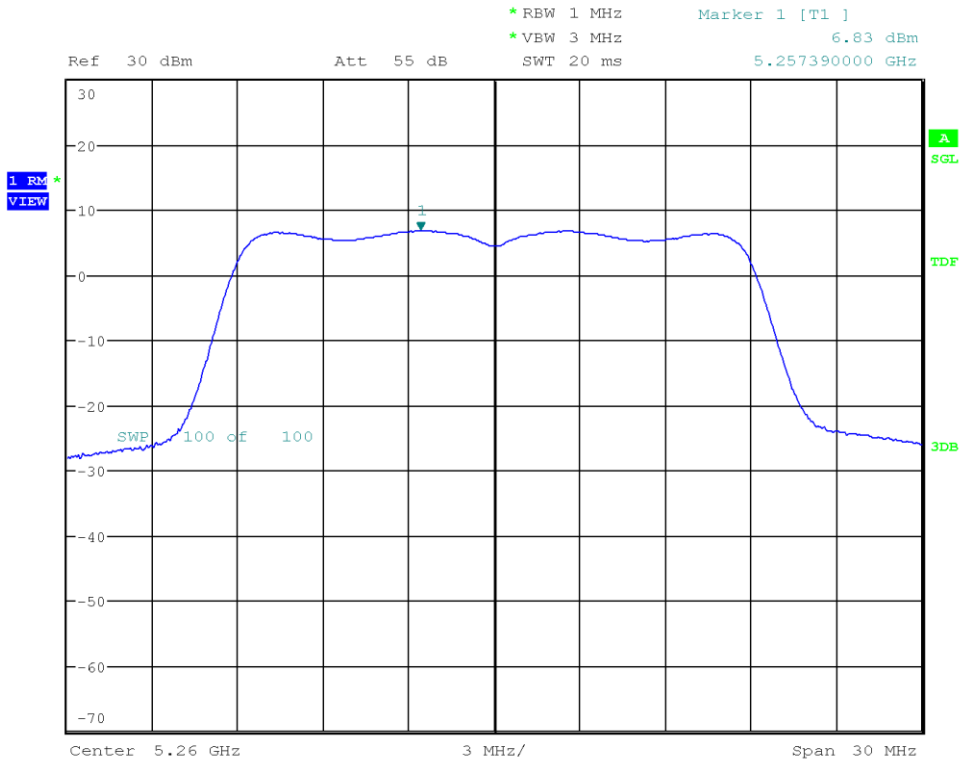
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = 9 Mbps, Power level = 17
Maximum Frequency [MHz]:	5312.530
Spectral Density [dBm/RBW]:	4.116
Resolution Bandwidth [MHz]:	1



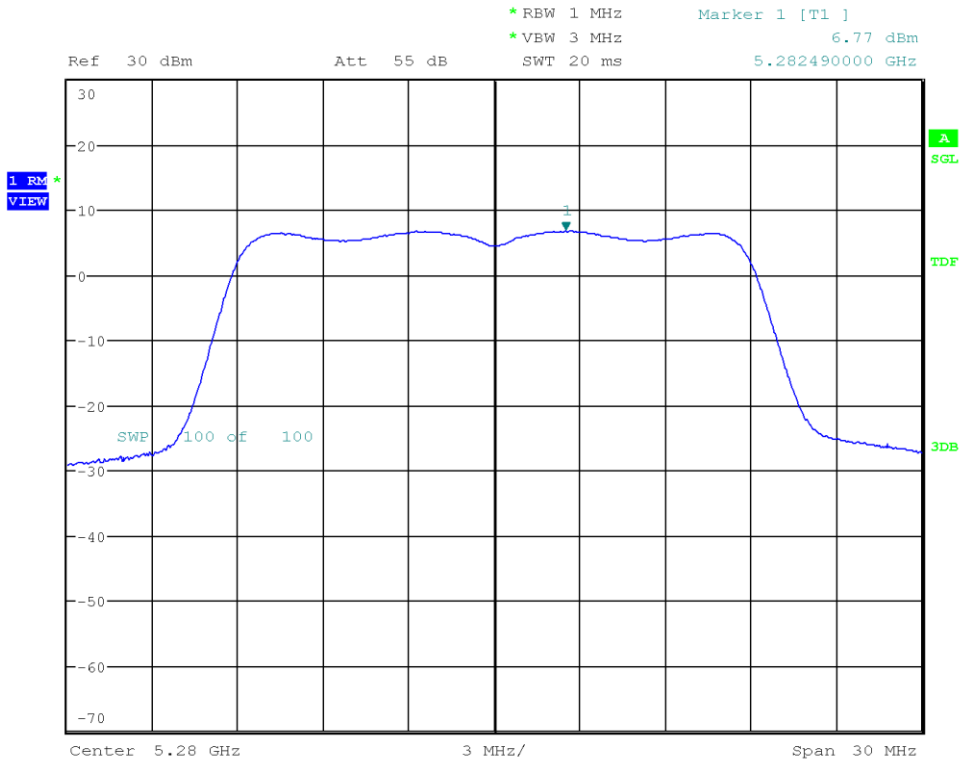
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 2, Power Level =19
Maximum Frequency [MHz]:	5257.390
Spectral Density [dBm/RBW]:	6.830
Resolution Bandwidth [MHz]:	1



Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 2, Power Level =19
Maximum Frequency [MHz]:	5282.490
Spectral Density [dBm/RBW]:	6.767
Resolution Bandwidth [MHz]:	1



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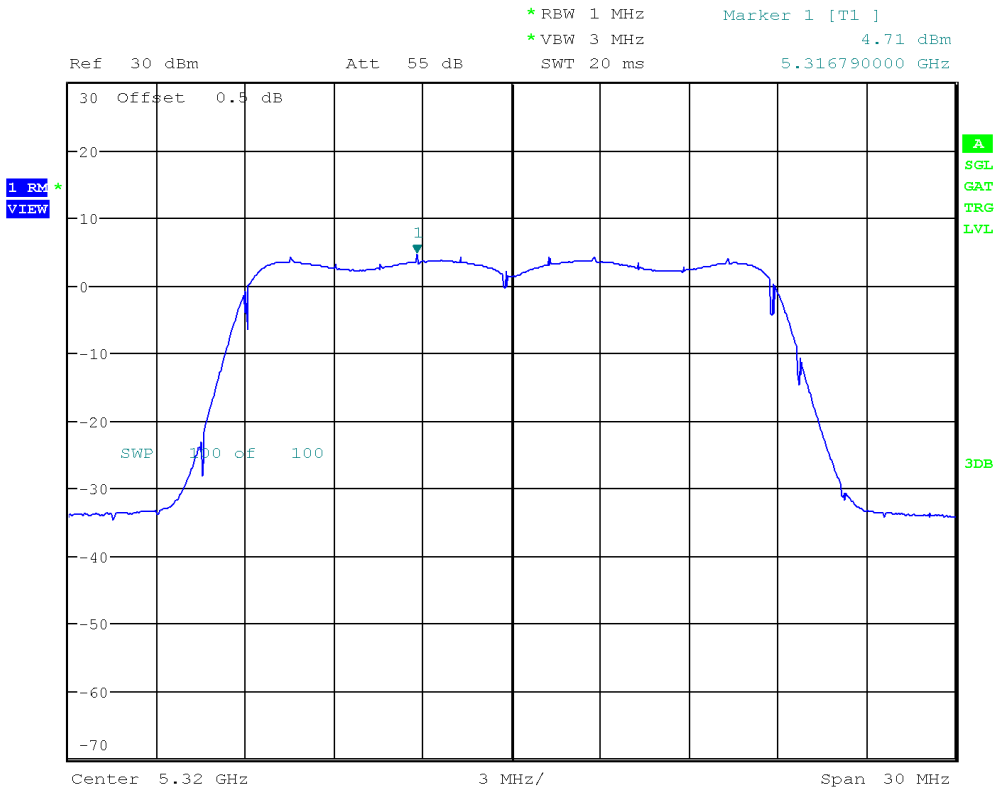
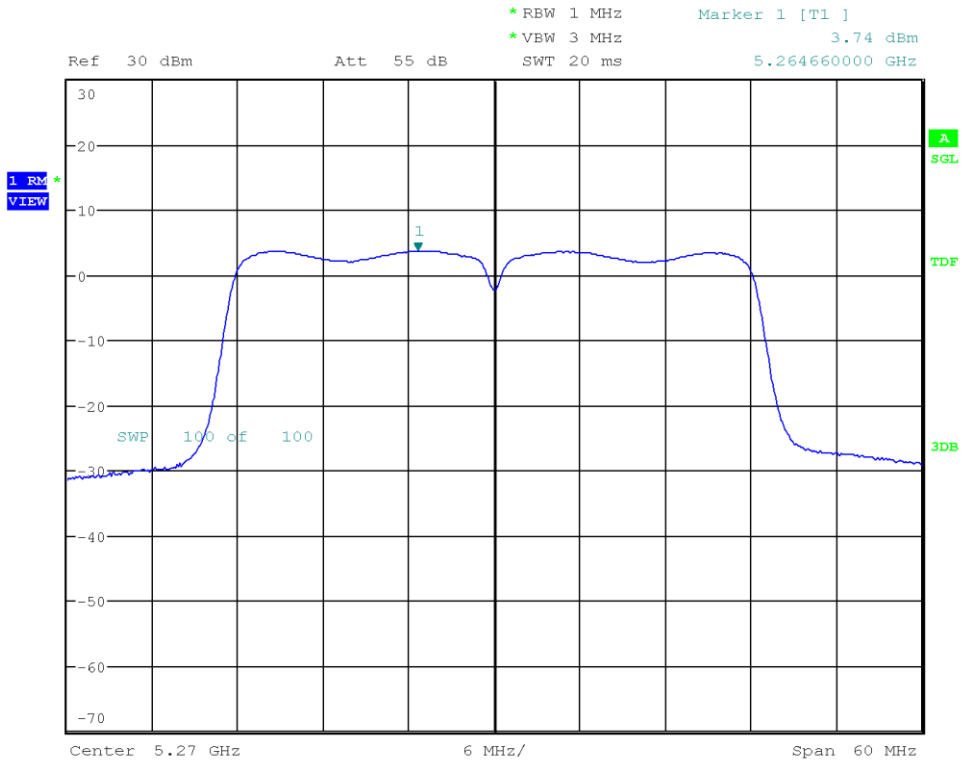
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 17
Maximum Frequency [MHz]:	5316.790
Spectral Density [dBm/RBW]:	4.708
Resolution Bandwidth [MHz]:	1



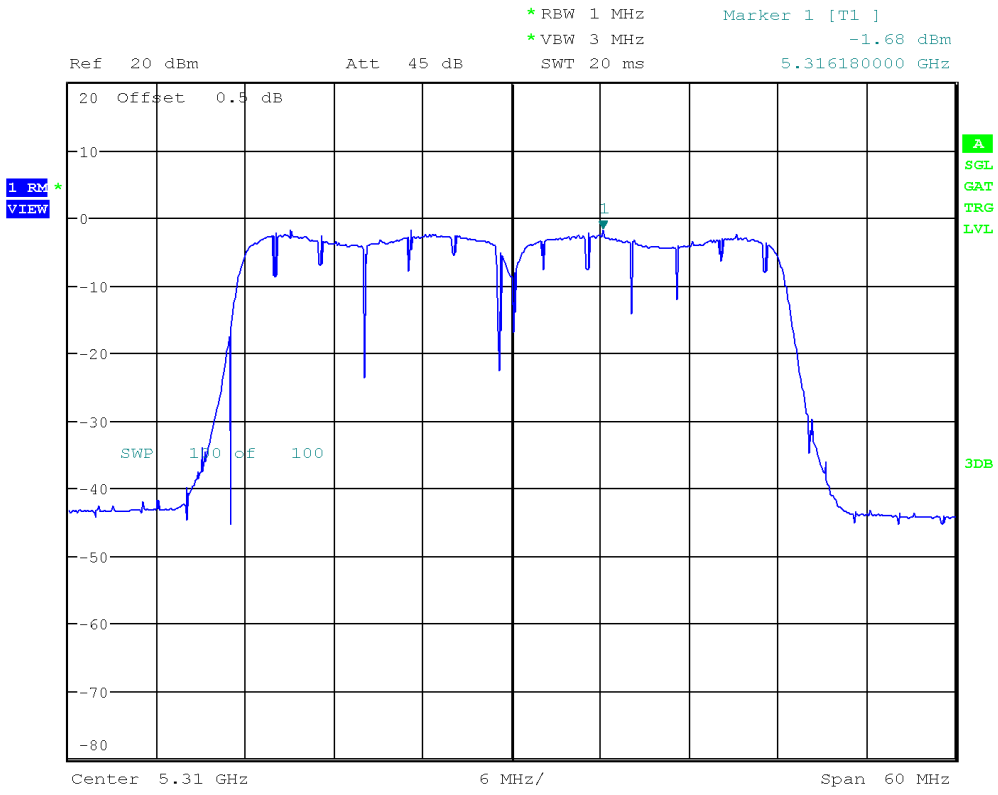
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5264.660
Spectral Density [dBm/RBW]:	3.736
Resolution Bandwidth [MHz]:	1



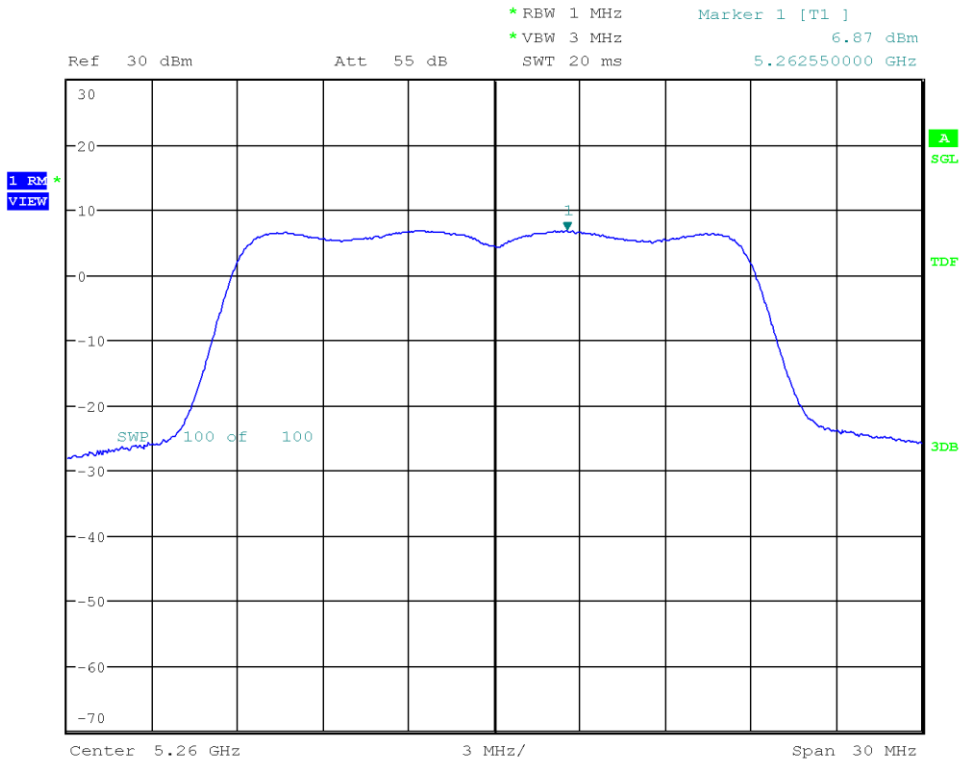
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 5, Power level = 14
Maximum Frequency [MHz]:	5316.180
Spectral Density [dBm/RBW]:	-1.680
Resolution Bandwidth [MHz]:	1



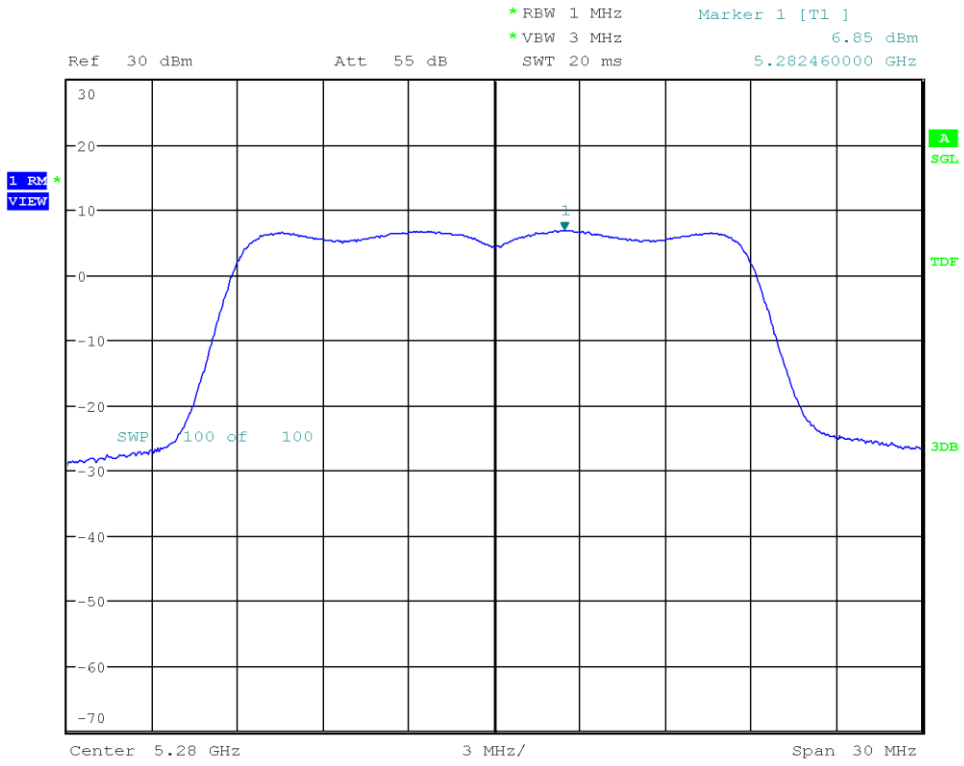
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 7, Power Level =19
Maximum Frequency [MHz]:	5262.550
Spectral Density [dBm/RBW]:	6.873
Resolution Bandwidth [MHz]:	1



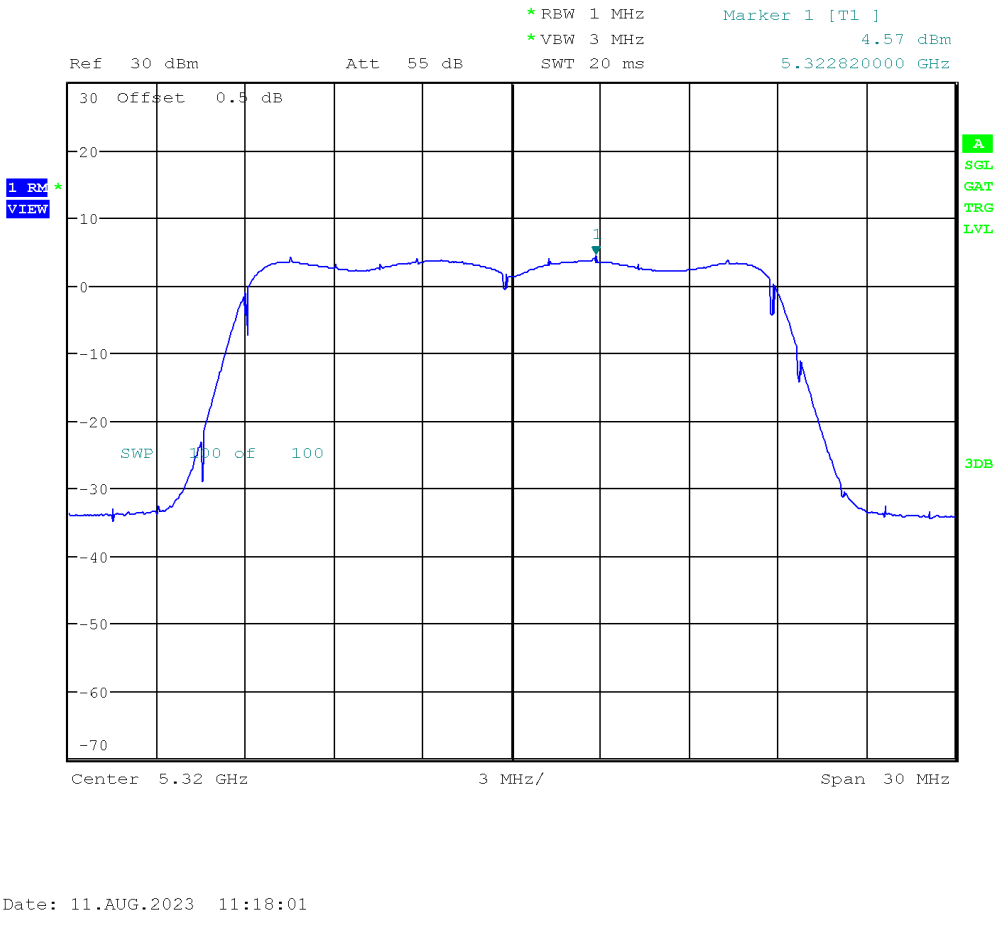
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 7, Power Level =19
Maximum Frequency [MHz]:	5282.460
Spectral Density [dBm/RBW]:	6.855
Resolution Bandwidth [MHz]:	1



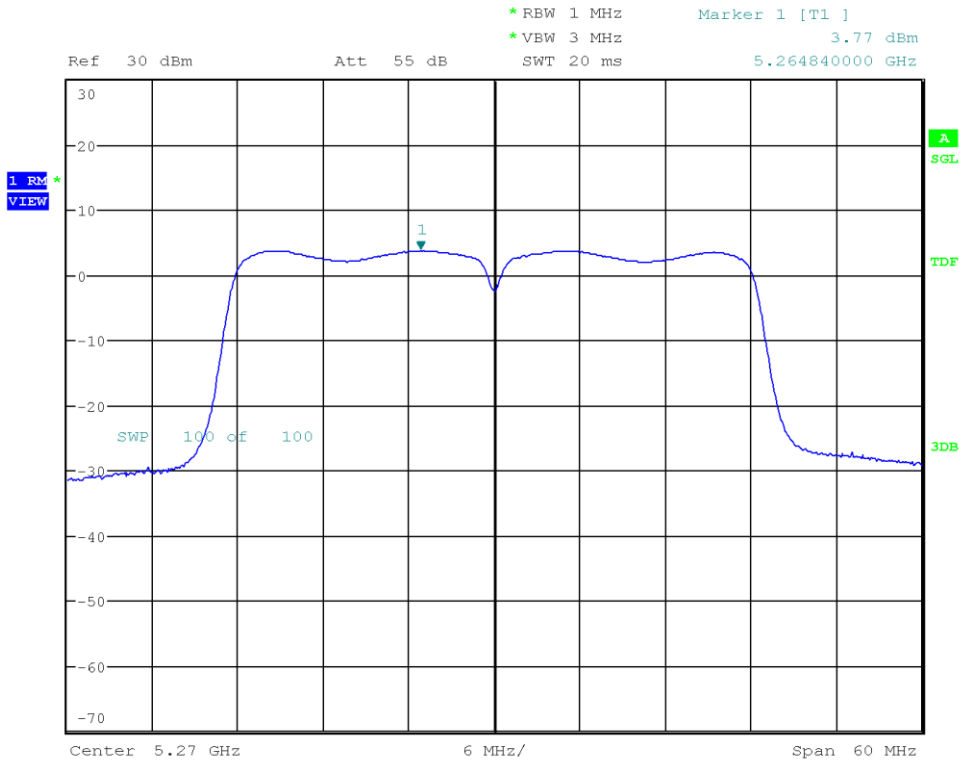
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 0, Power level = 17
Maximum Frequency [MHz]:	5322.820
Spectral Density [dBm/RBW]:	4.569
Resolution Bandwidth [MHz]:	1



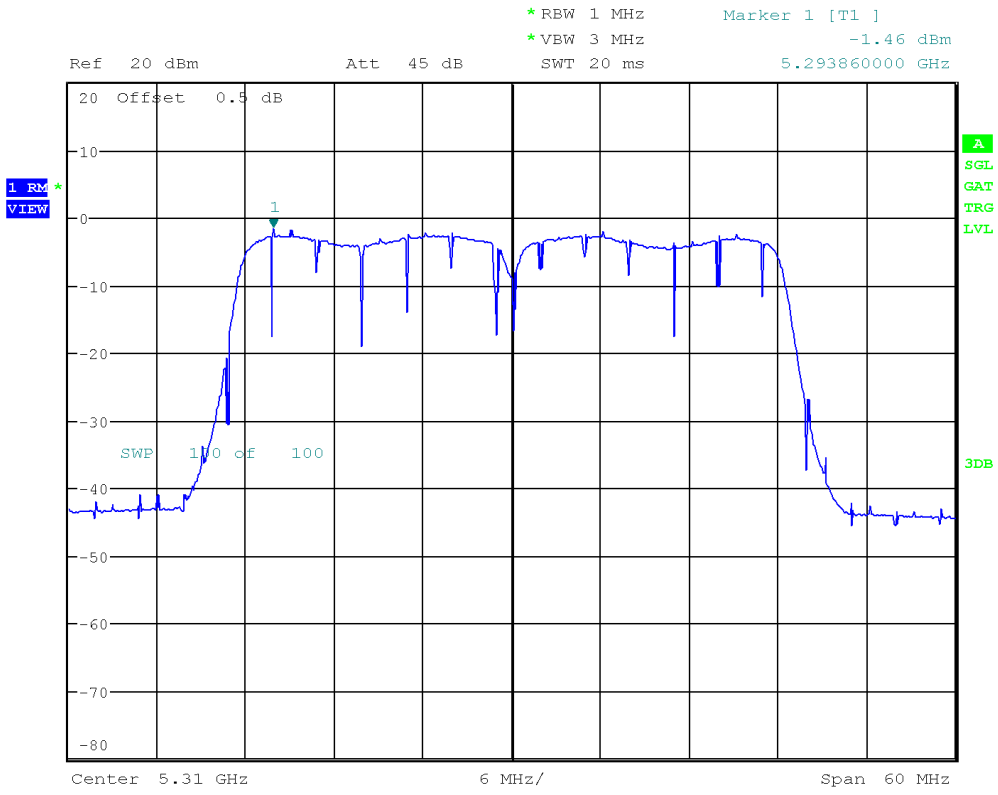
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5264.840
Spectral Density [dBm/RBW]:	3.773
Resolution Bandwidth [MHz]:	1



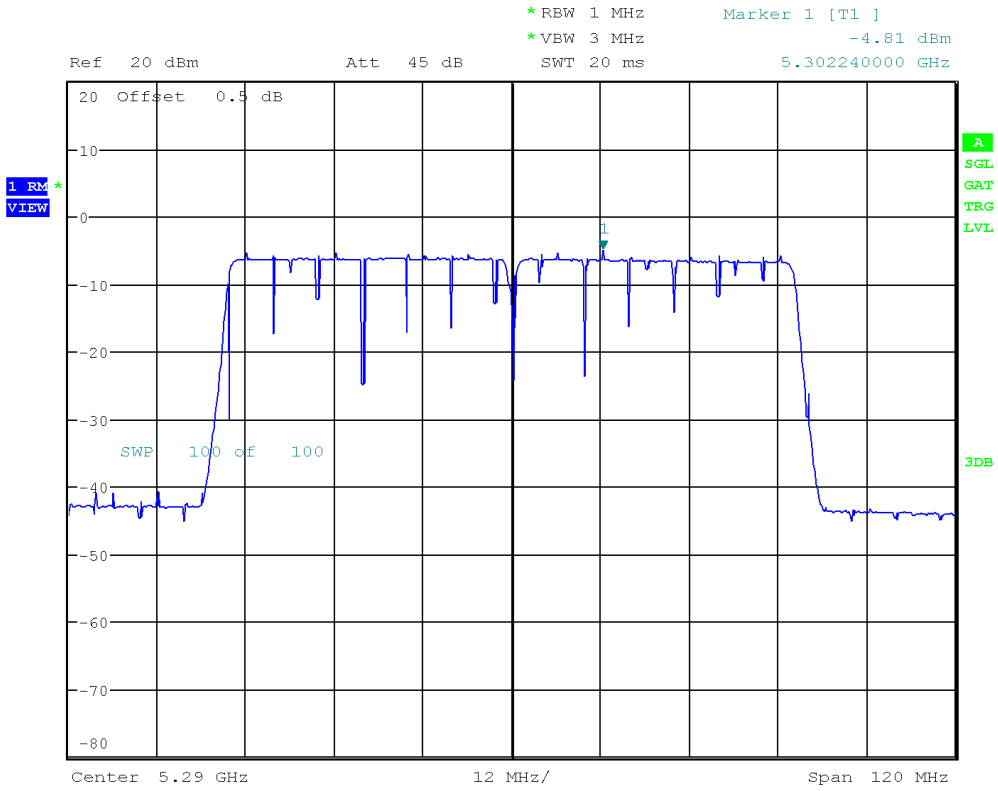
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 6, Power level = 14
Maximum Frequency [MHz]:	5293.860
Spectral Density [dBm/RBW]:	-1.461
Resolution Bandwidth [MHz]:	1



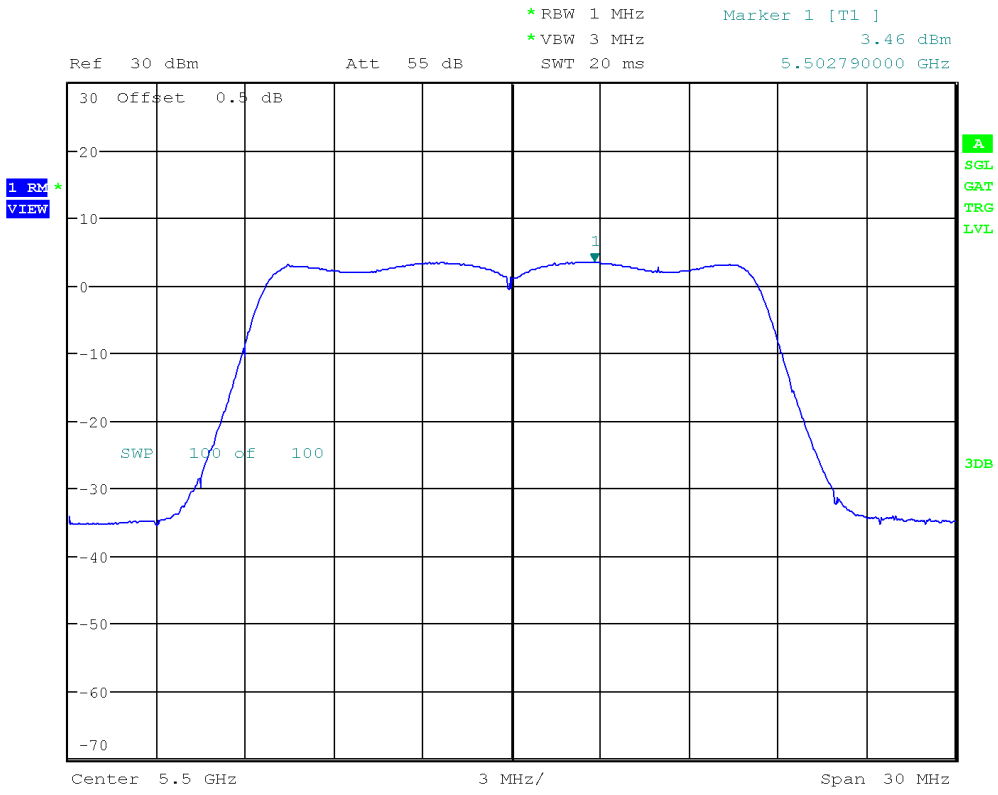
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 14
Maximum Frequency [MHz]:	5302.240
Spectral Density [dBm/RBW]:	-4.808
Resolution Bandwidth [MHz]:	1



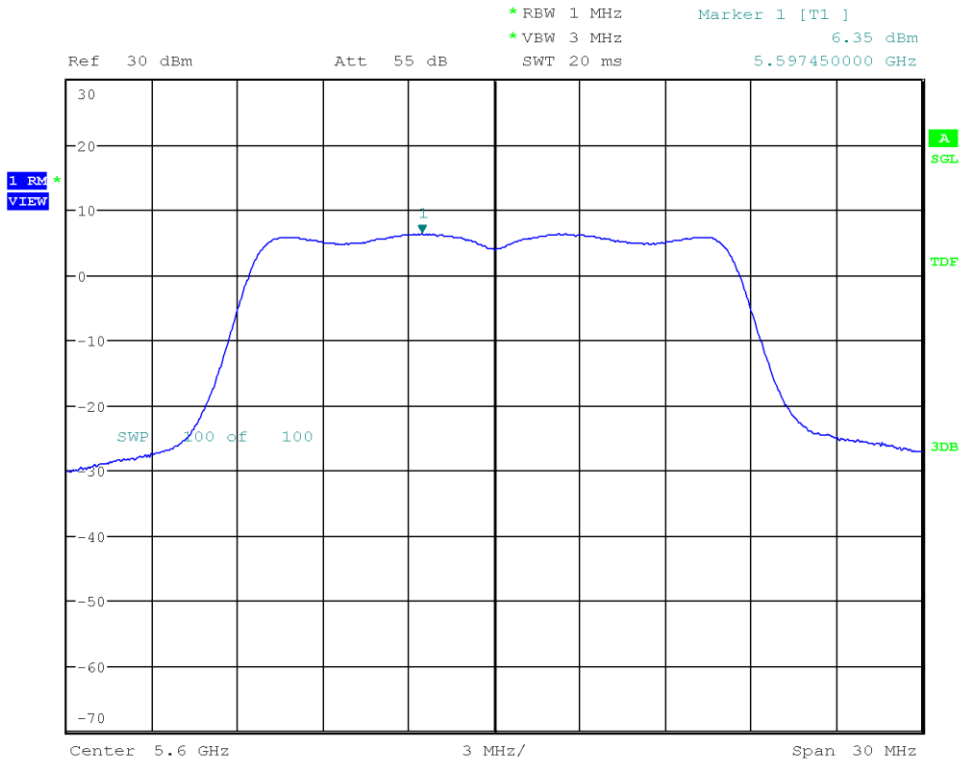
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = 9 Mbps, Power level = 17
Maximum Frequency [MHz]:	5502.790
Spectral Density [dBm/RBW]:	3.458
Resolution Bandwidth [MHz]:	1



Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= 6 Mbps, Power Level =19
Maximum Frequency [MHz]:	5597.450
Spectral Density [dBm/RBW]:	6.349
Resolution Bandwidth [MHz]:	1



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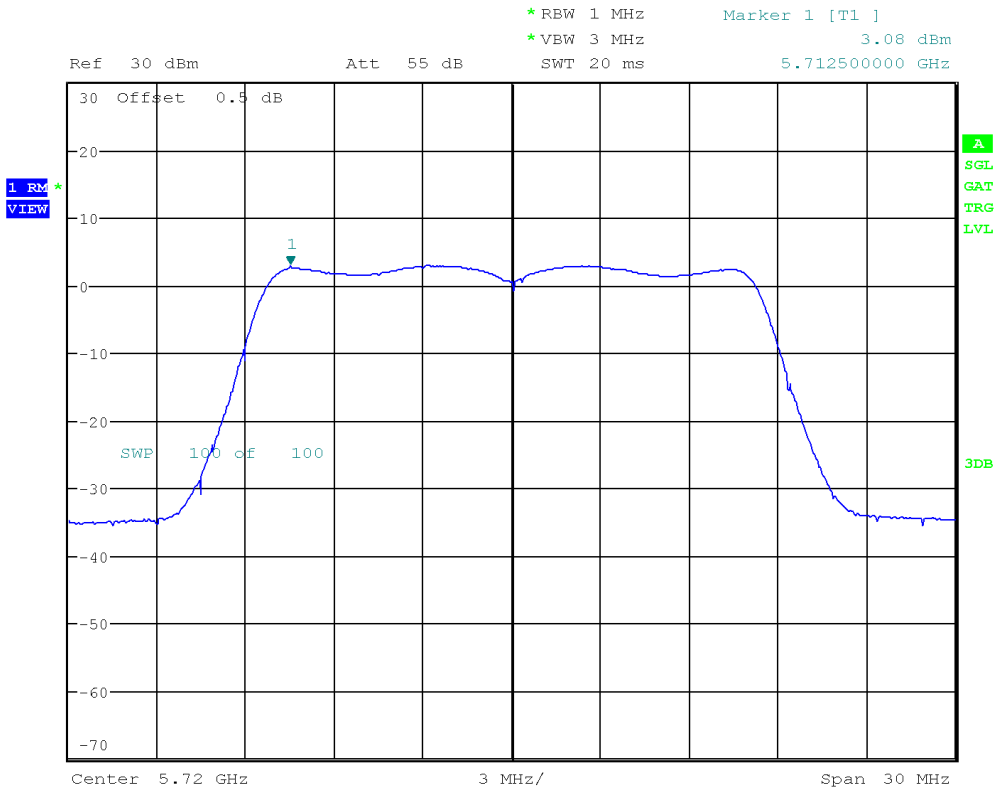
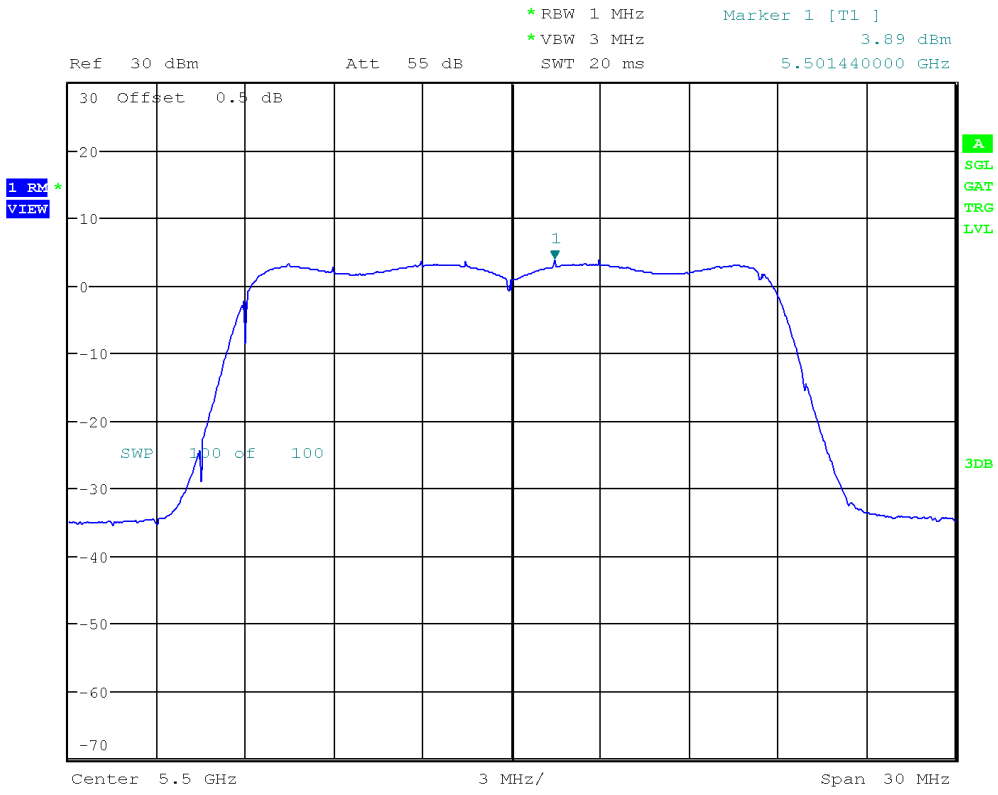
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = 9 Mbps, Power level = 16
Maximum Frequency [MHz]:	5712.500
Spectral Density [dBm/RBW]:	3.076
Resolution Bandwidth [MHz]:	1



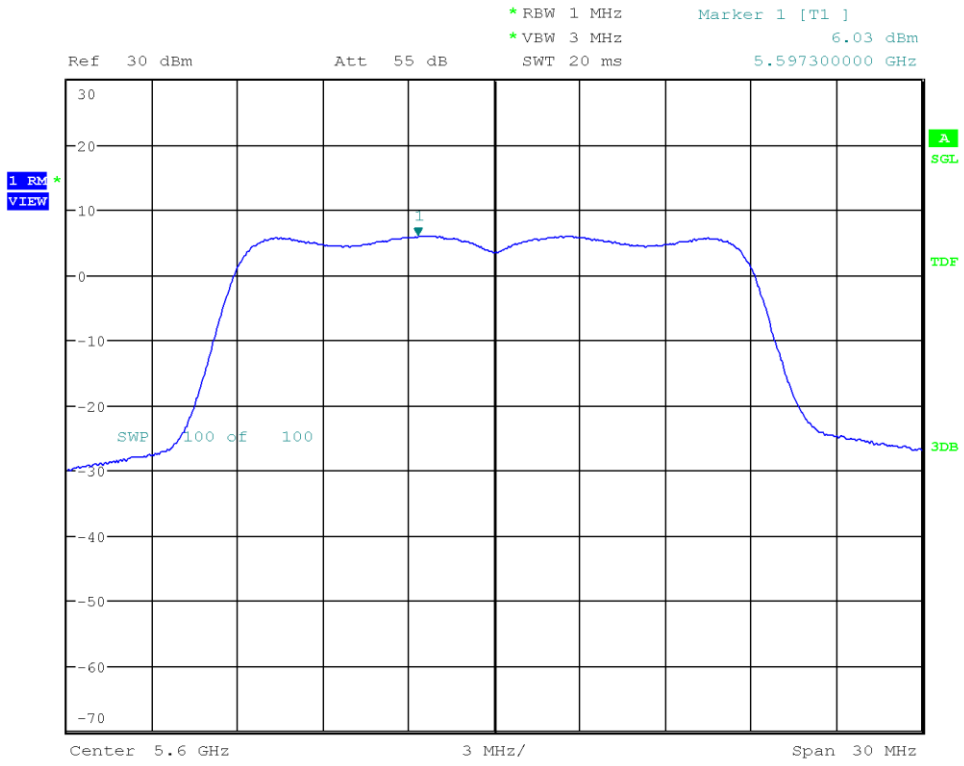
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 17
Maximum Frequency [MHz]:	5501.440
Spectral Density [dBm/RBW]:	3.887
Resolution Bandwidth [MHz]:	1



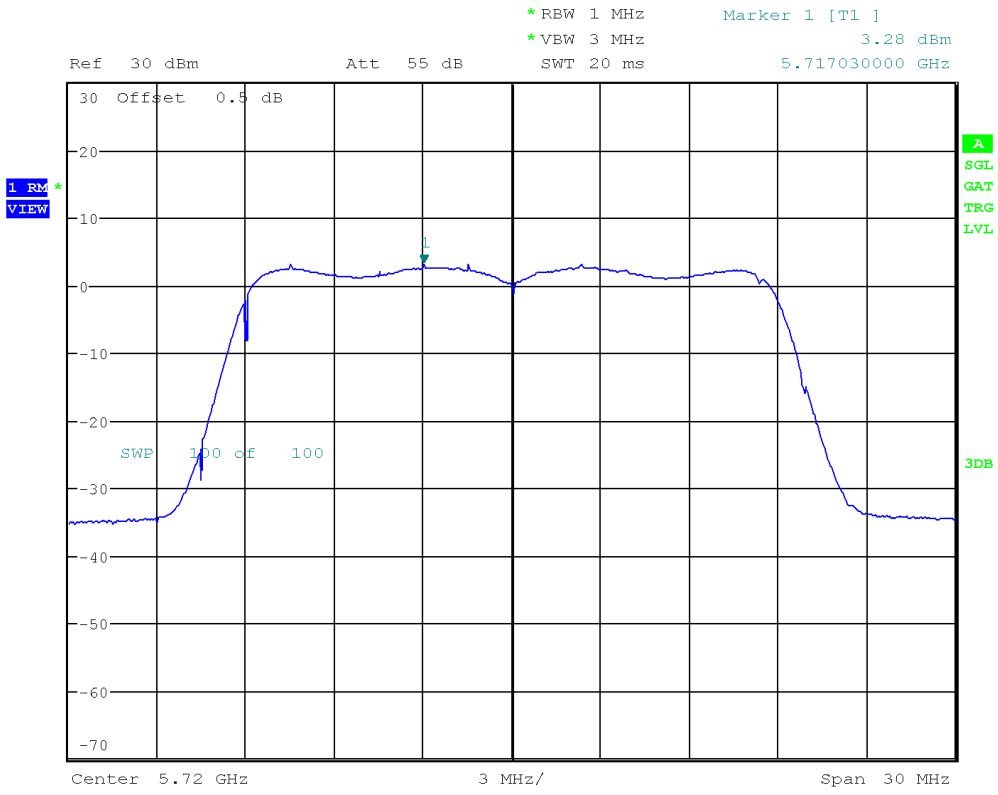
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 6, Power Level =19
Maximum Frequency [MHz]:	5597.300
Spectral Density [dBm/RBW]:	6.030
Resolution Bandwidth [MHz]:	1



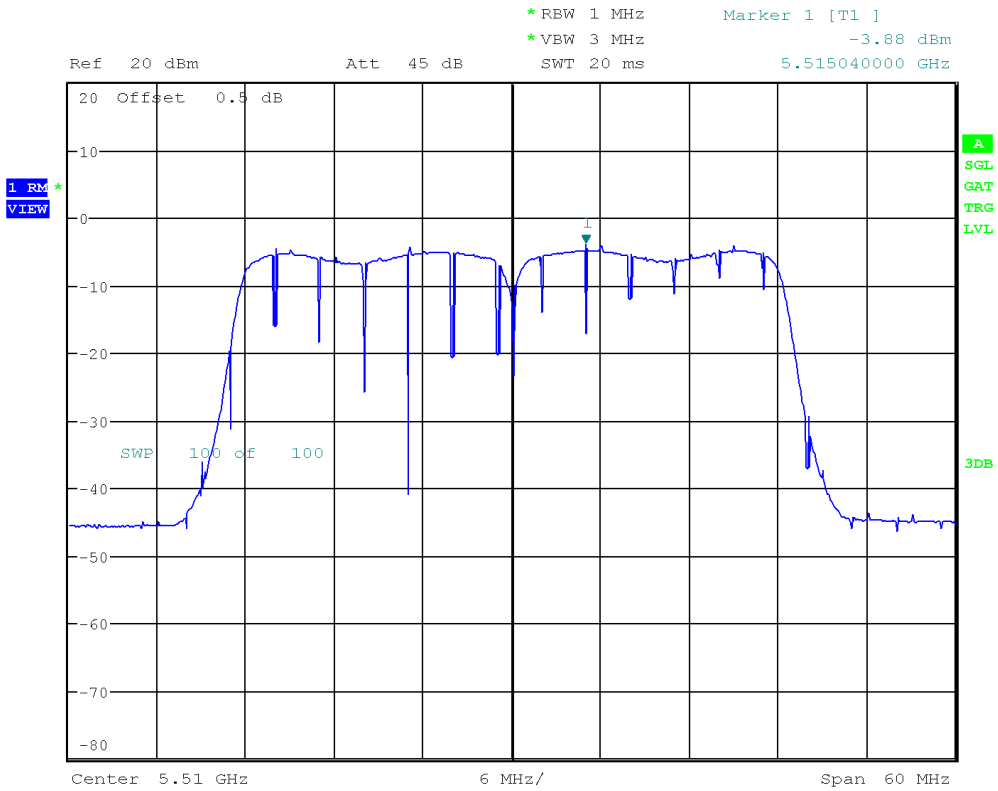
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 16
Maximum Frequency [MHz]:	5717.030
Spectral Density [dBm/RBW]:	3.280
Resolution Bandwidth [MHz]:	1



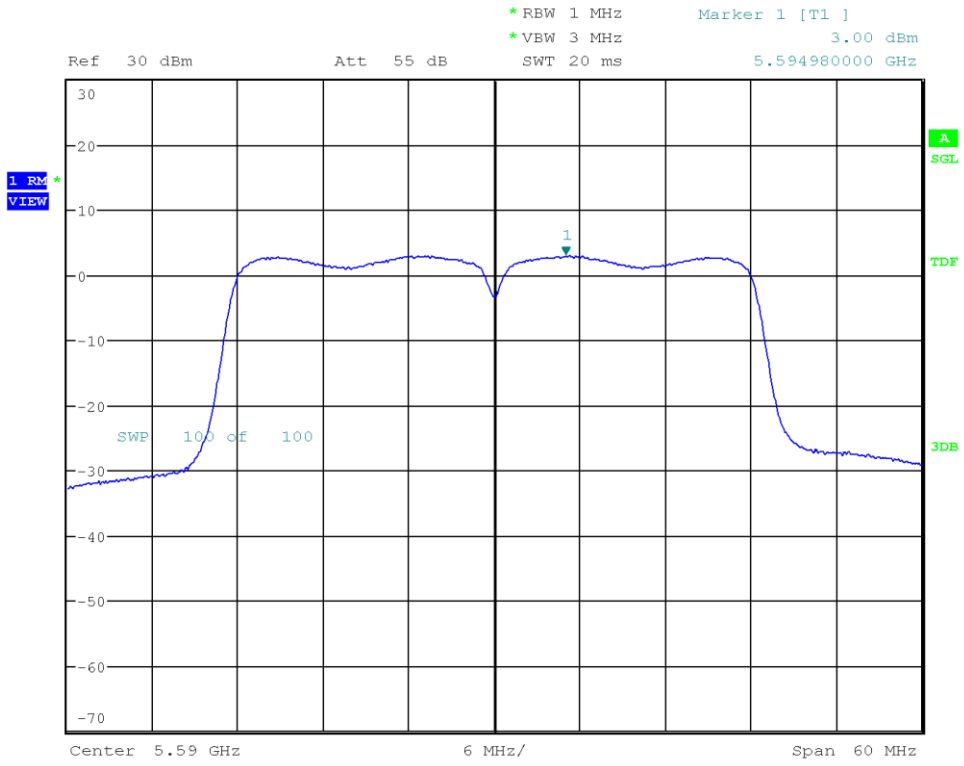
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 5, Power level = 12
Maximum Frequency [MHz]:	5515.040
Spectral Density [dBm/RBW]:	-3.881
Resolution Bandwidth [MHz]:	1



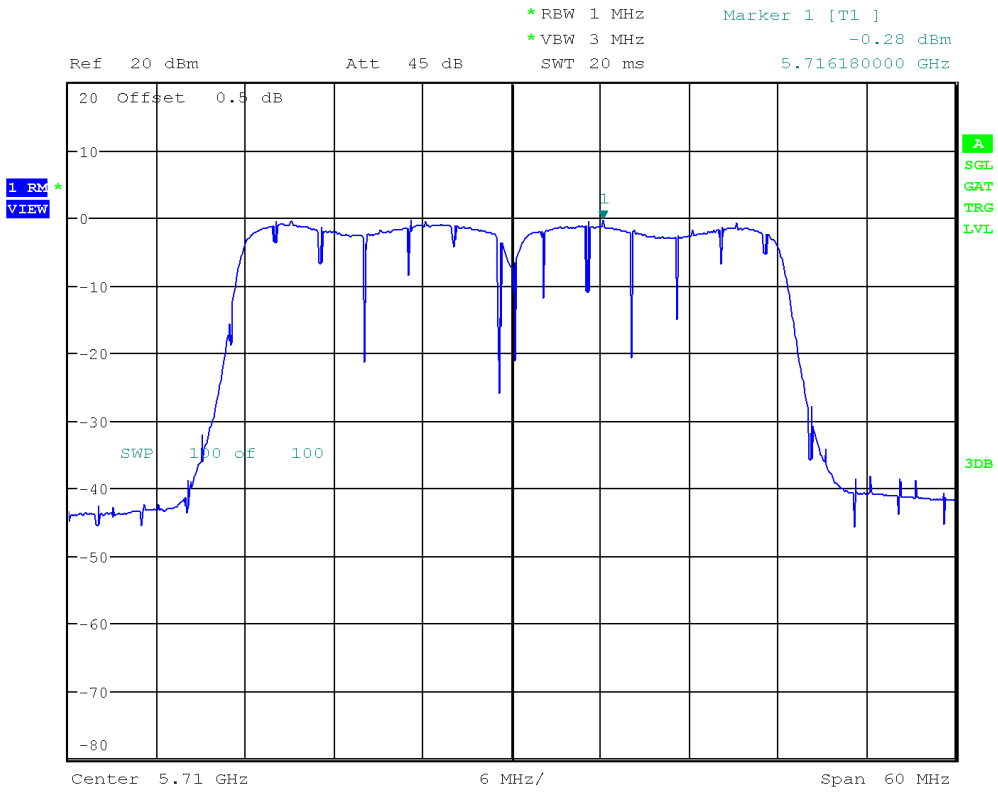
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 5, Power Level =19
Maximum Frequency [MHz]:	5594.980
Spectral Density [dBm/RBW]:	3.000
Resolution Bandwidth [MHz]:	1



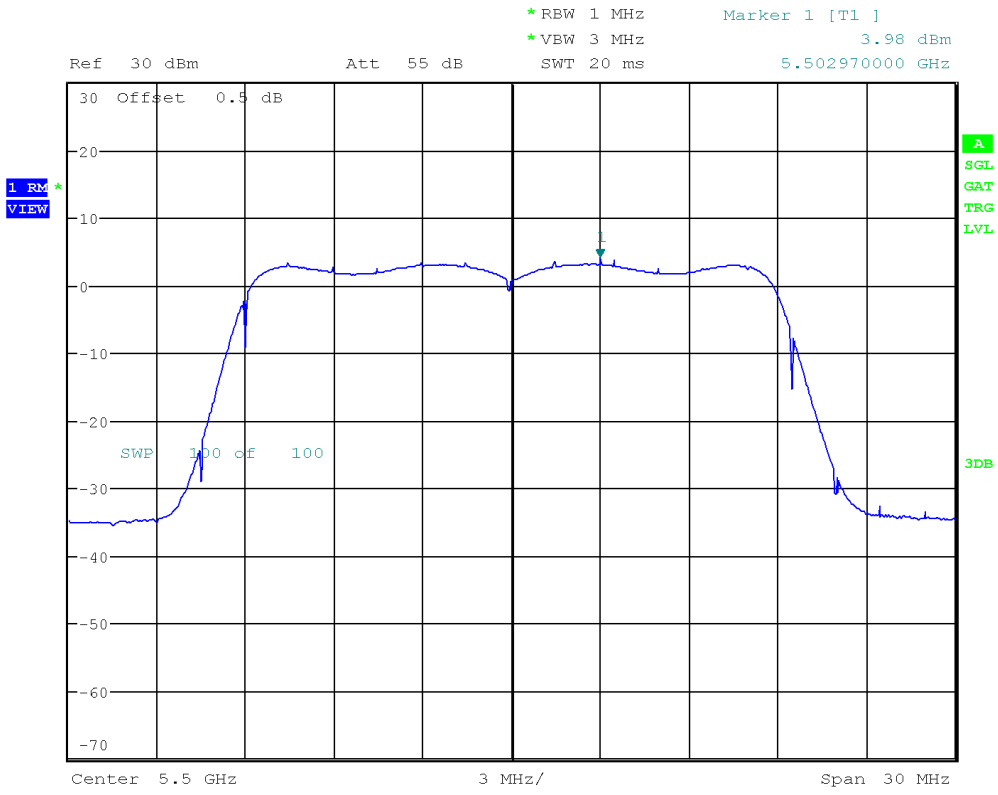
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 5, Power level = 16
Maximum Frequency [MHz]:	5716.180
Spectral Density [dBm/RBW]:	-0.280
Resolution Bandwidth [MHz]:	1



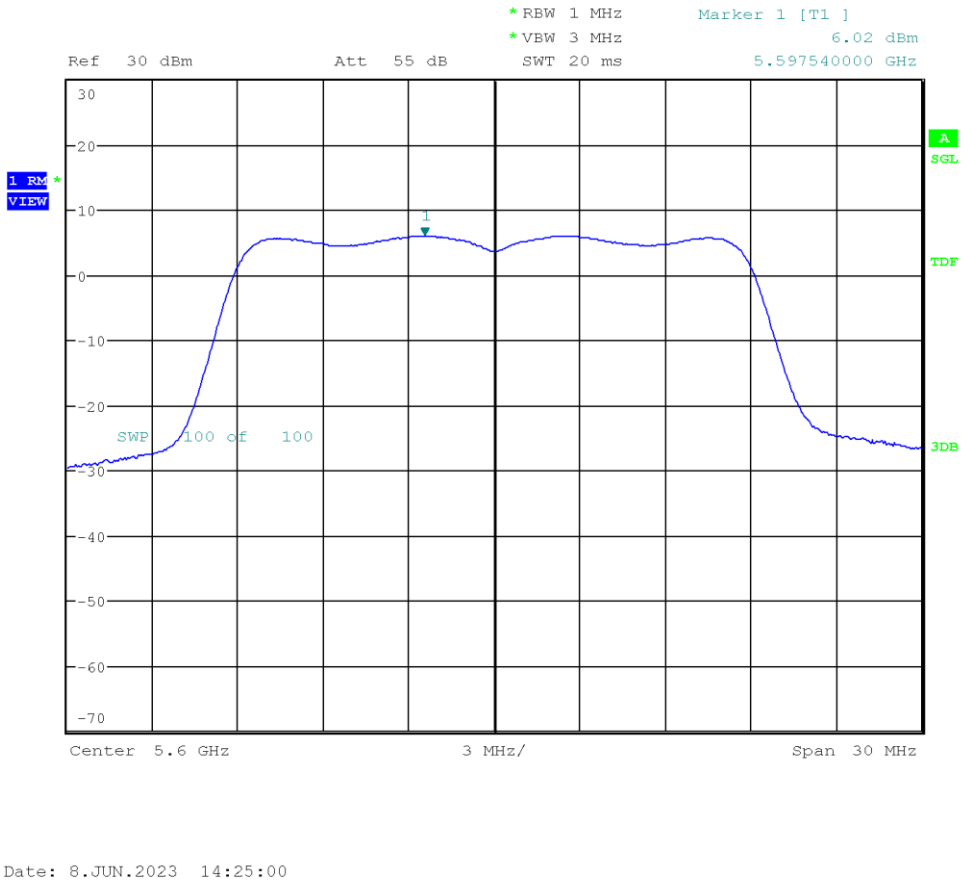
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 0, Power level = 17
Maximum Frequency [MHz]:	5502.970
Spectral Density [dBm/RBW]:	3.977
Resolution Bandwidth [MHz]:	1



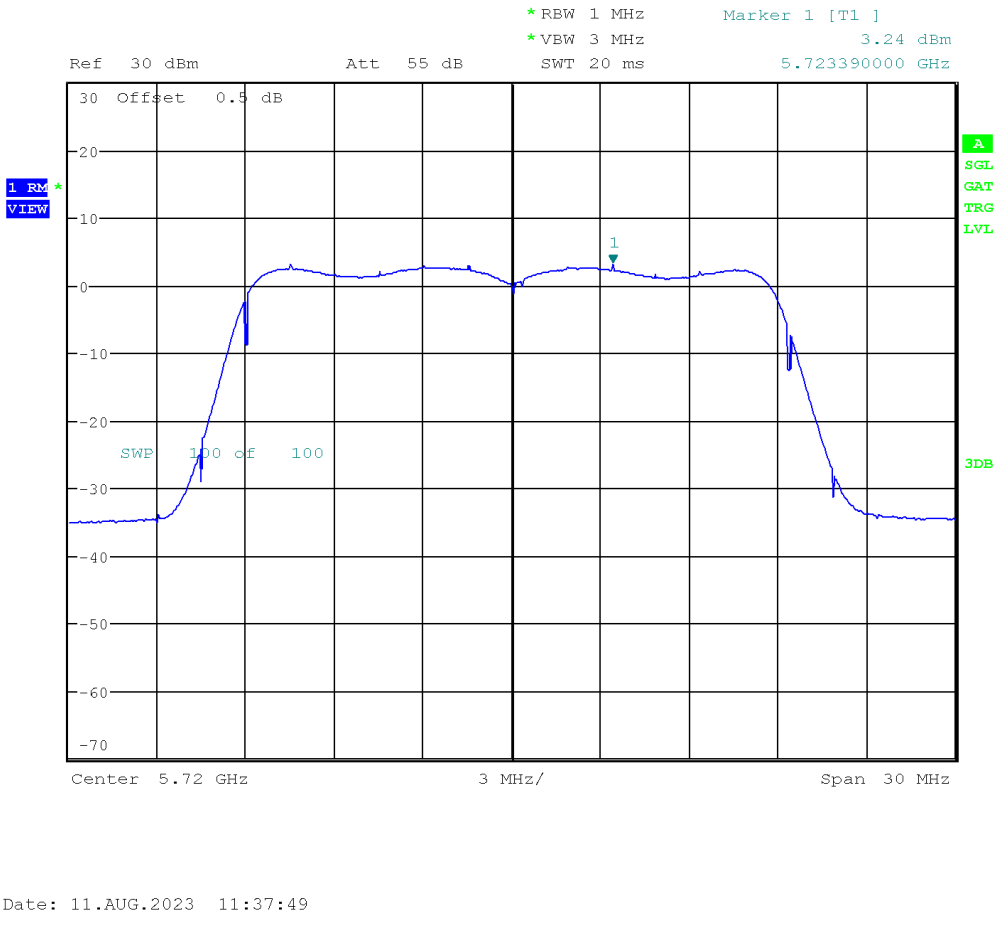
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 1, Power Level =19
Maximum Frequency [MHz]:	5597.540
Spectral Density [dBm/RBW]:	6.023
Resolution Bandwidth [MHz]:	1



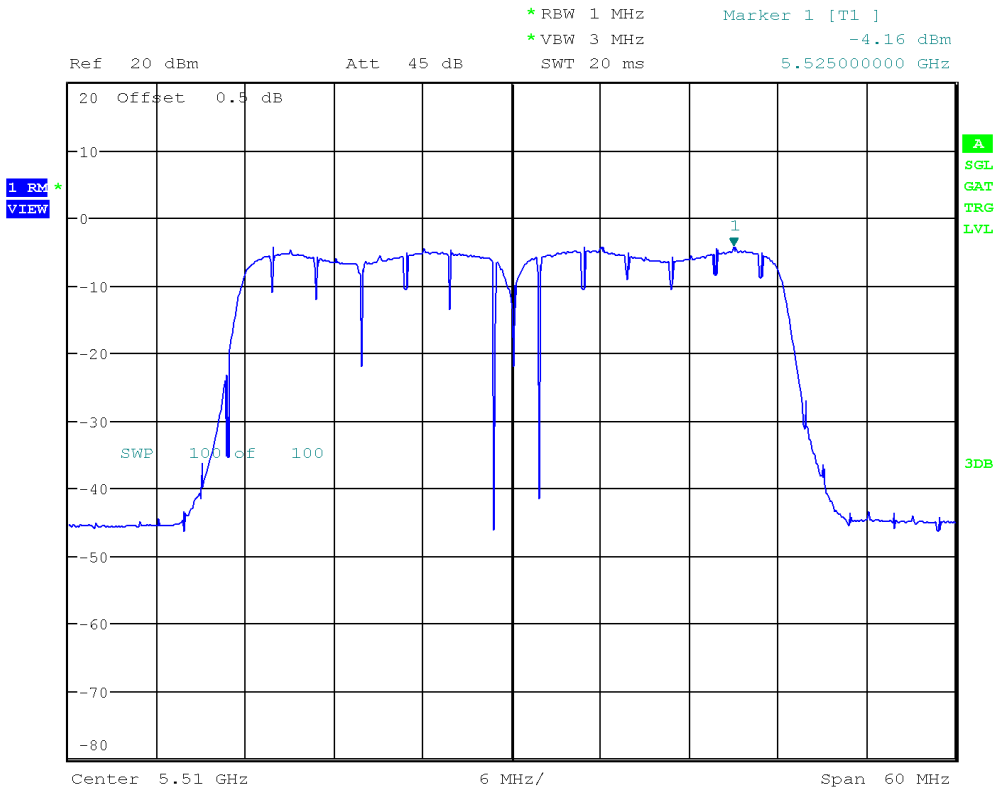
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 0, Power level = 16
Maximum Frequency [MHz]:	5723.390
Spectral Density [dBm/RBW]:	3.241
Resolution Bandwidth [MHz]:	1



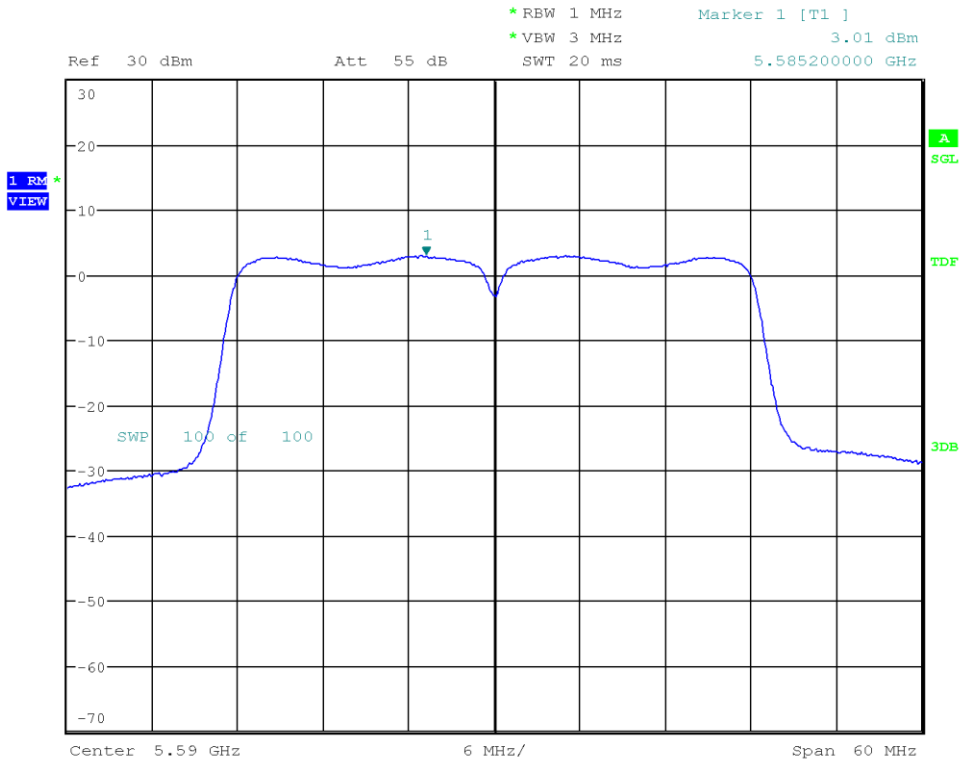
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 6, Power level = 12
Maximum Frequency [MHz]:	5525.000
Spectral Density [dBm/RBW]:	-4.161
Resolution Bandwidth [MHz]:	1



Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 5, Power Level =19
Maximum Frequency [MHz]:	5585.200
Spectral Density [dBm/RBW]:	3.013
Resolution Bandwidth [MHz]:	1



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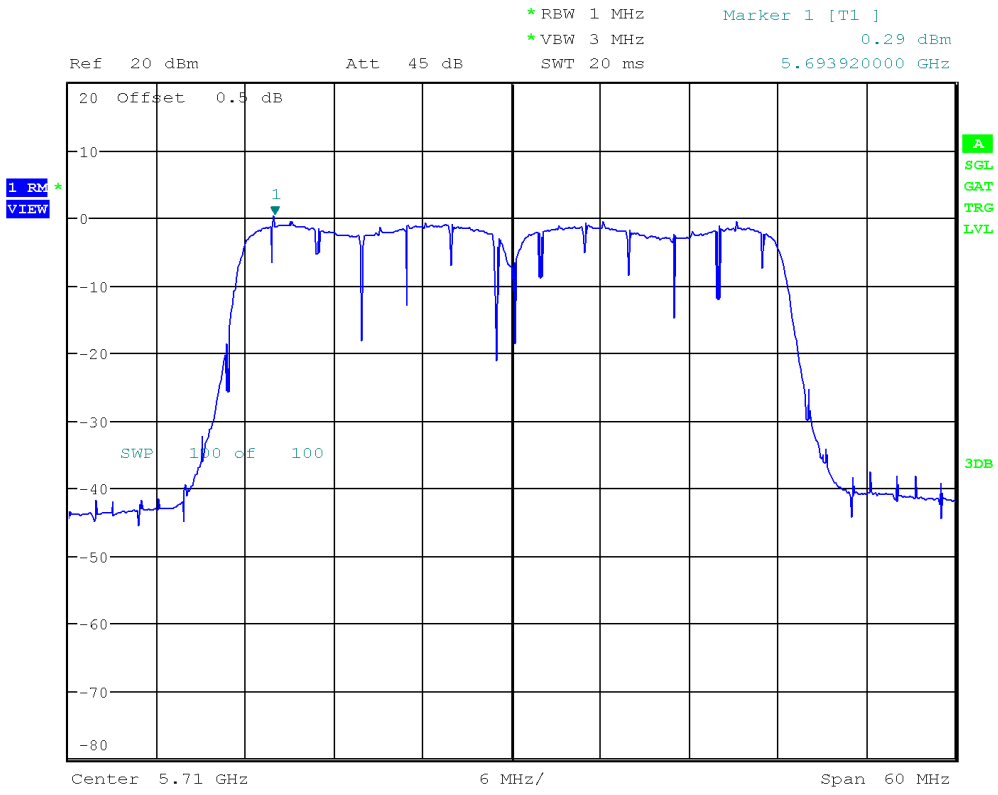
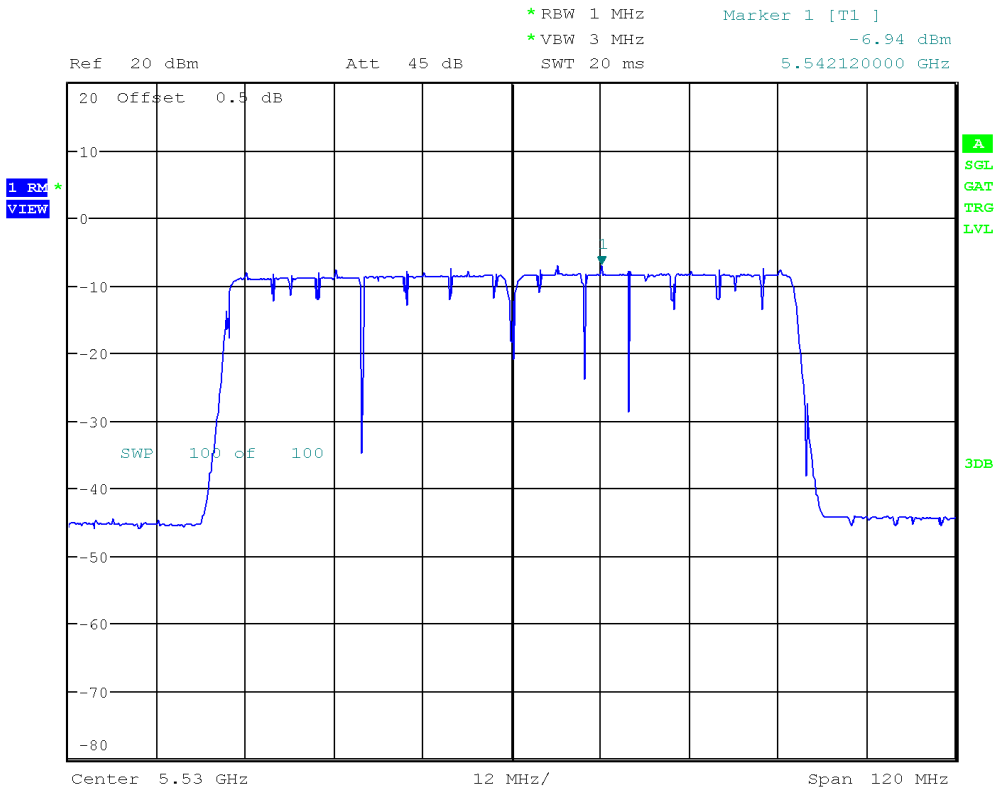
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 6, Power level = 16
Maximum Frequency [MHz]:	5693.920
Spectral Density [dBm/RBW]:	0.289
Resolution Bandwidth [MHz]:	1



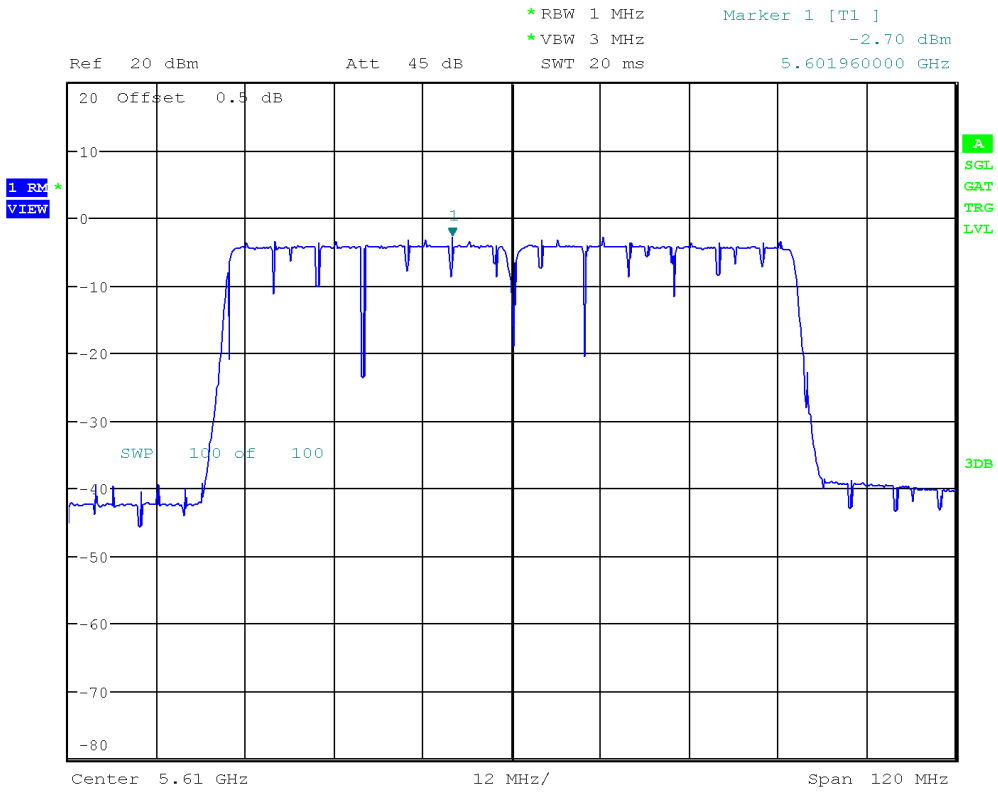
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 12
Maximum Frequency [MHz]:	5542.120
Spectral Density [dBm/RBW]:	-6.941
Resolution Bandwidth [MHz]:	1



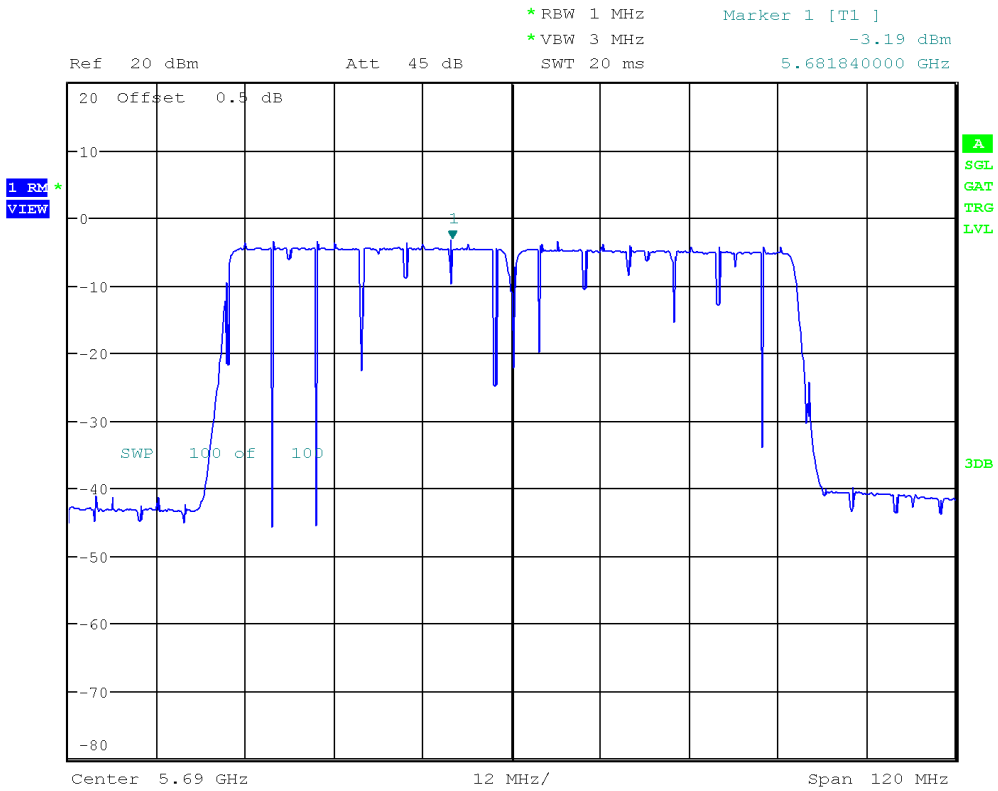
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 16
Maximum Frequency [MHz]:	5601.960
Spectral Density [dBm/RBW]:	-2.703
Resolution Bandwidth [MHz]:	1



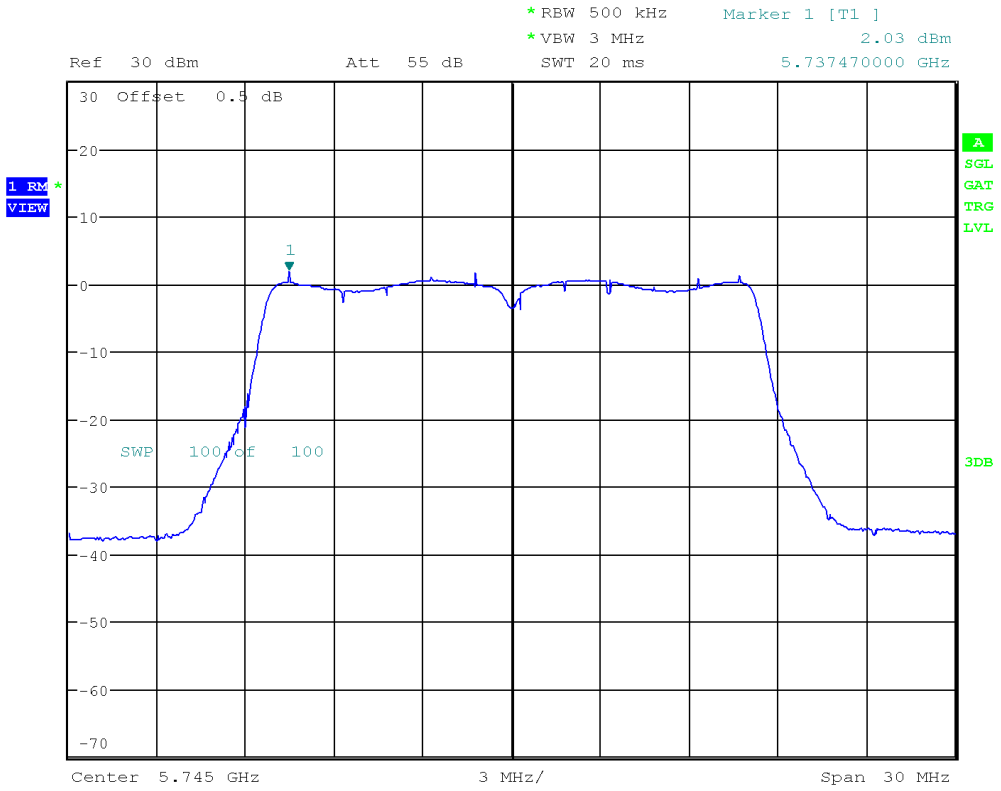
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Antenna Port(s):	
Note:	Bit rate = MCS 3, Power level = 16
Maximum Frequency [MHz]:	5681.840
Spectral Density [dBm/RBW]:	-3.187
Resolution Bandwidth [MHz]:	1



Maximum Power Spectral Density

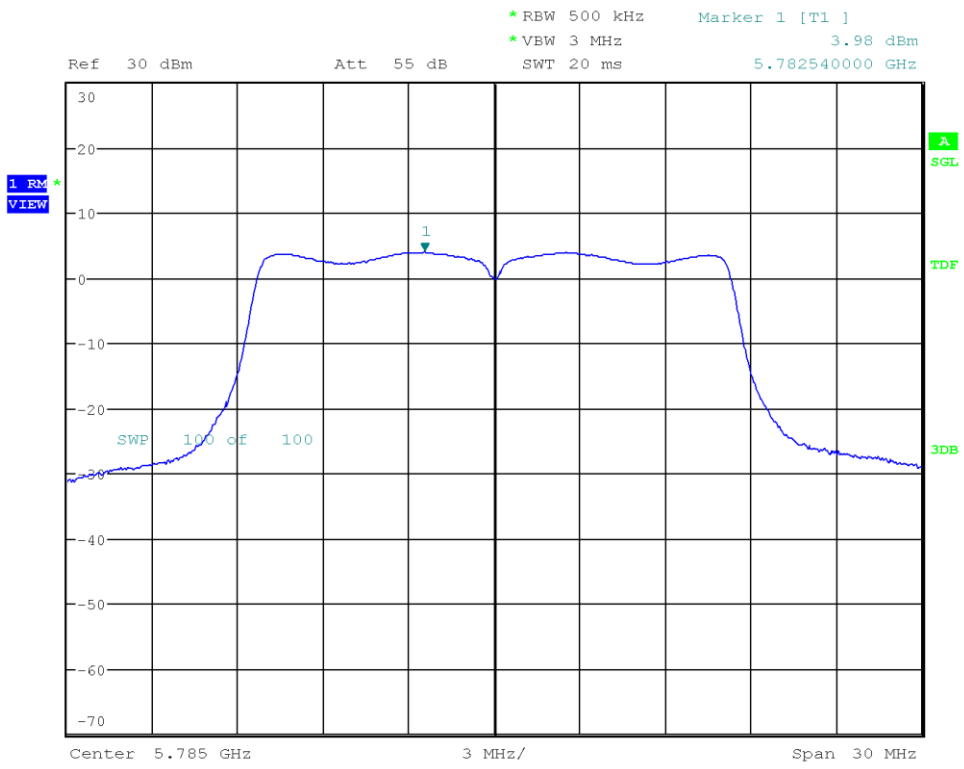
Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
Reference Standards:	FCC 15.407, RSS-247
Reference Method:	ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
Operational Mode:	IEEE 802.11a, Channel: 149, 5745 MHz
Operating Conditions:	Tnom/Vnom
Operator:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = 9 Mbps, Power level = 16
Maximum Frequency [MHz]:	5737.470
Spectral Density [dBm/RBW]:	2.031
Resolution Bandwidth [MHz]:	0.5



Date: 11.AUG.2023 12:06:57

Maximum Power Spectral Density

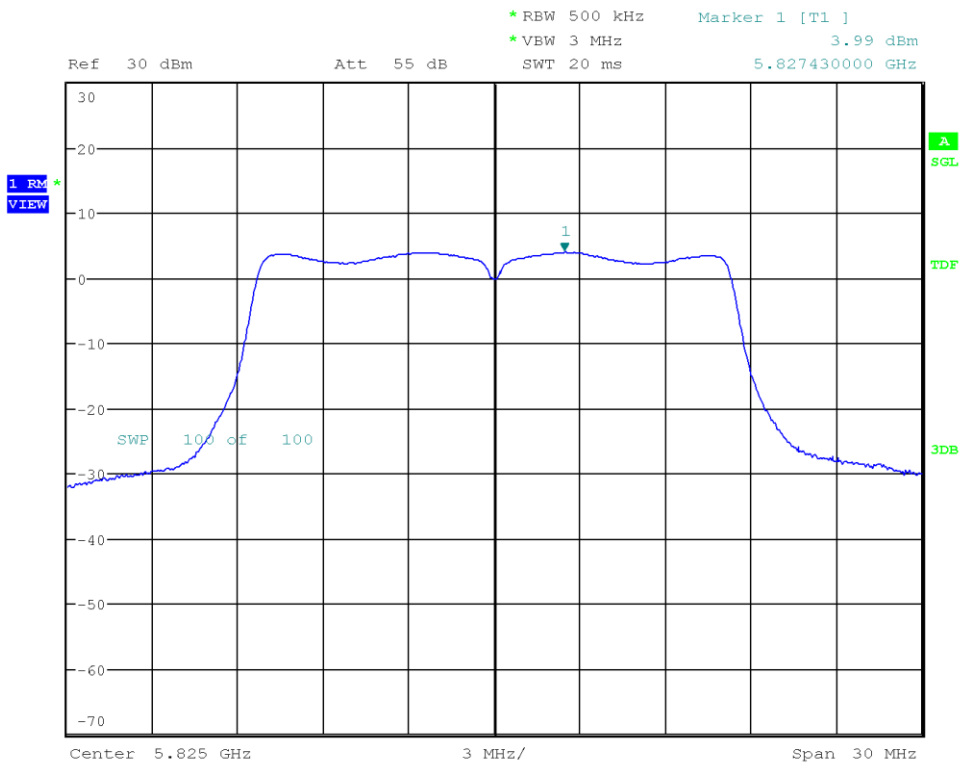
Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
Reference Standards:	FCC 15.407, RSS-247
Reference Method:	ANSI C63.10:2013, Section 12.5; KDB 789033 v02r02, Section F
Operational Mode:	IEEE 802.11a, Channel: 157, 5785 MHz
Operating Conditions:	Tnom/Vnom
Operator:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= 6 Mbps, Power Level =19
Maximum Frequency [MHz]:	5782.540
Spectral Density [dBm/RBW]:	3.984
Resolution Bandwidth [MHz]:	0.5



Date: 8.JUN.2023 14:55:22

Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= 6 Mbps, Power Level =19
Maximum Frequency [MHz]:	5827.430
Spectral Density [dBm/RBW]:	3.991
Resolution Bandwidth [MHz]:	0.5



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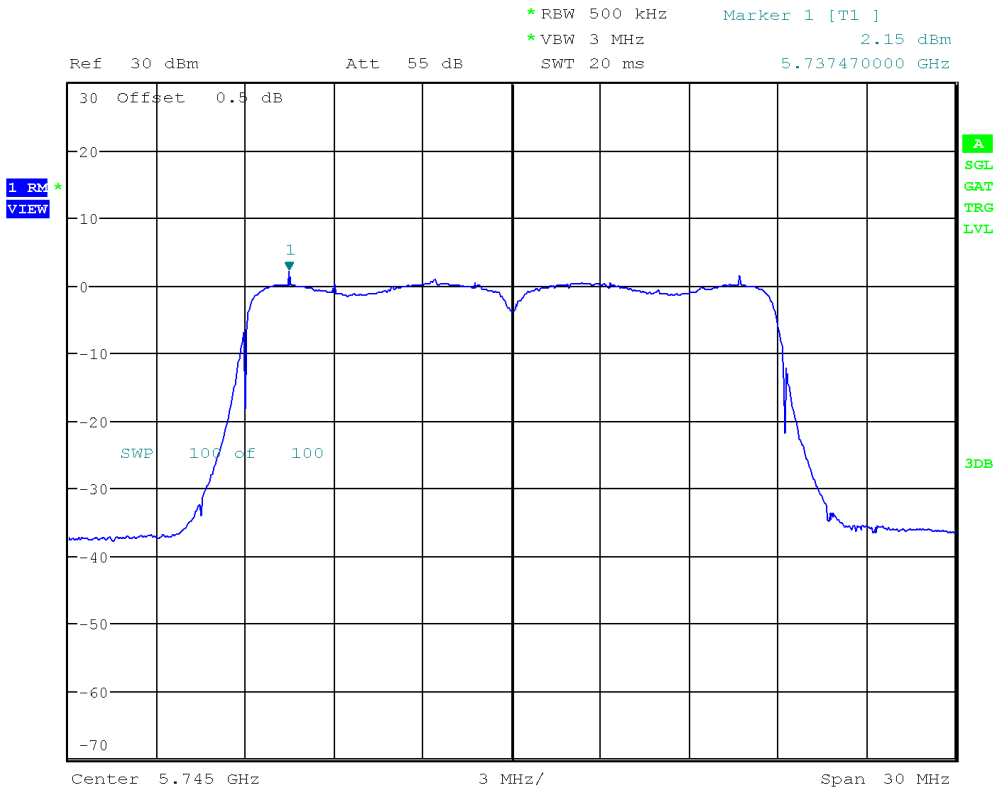
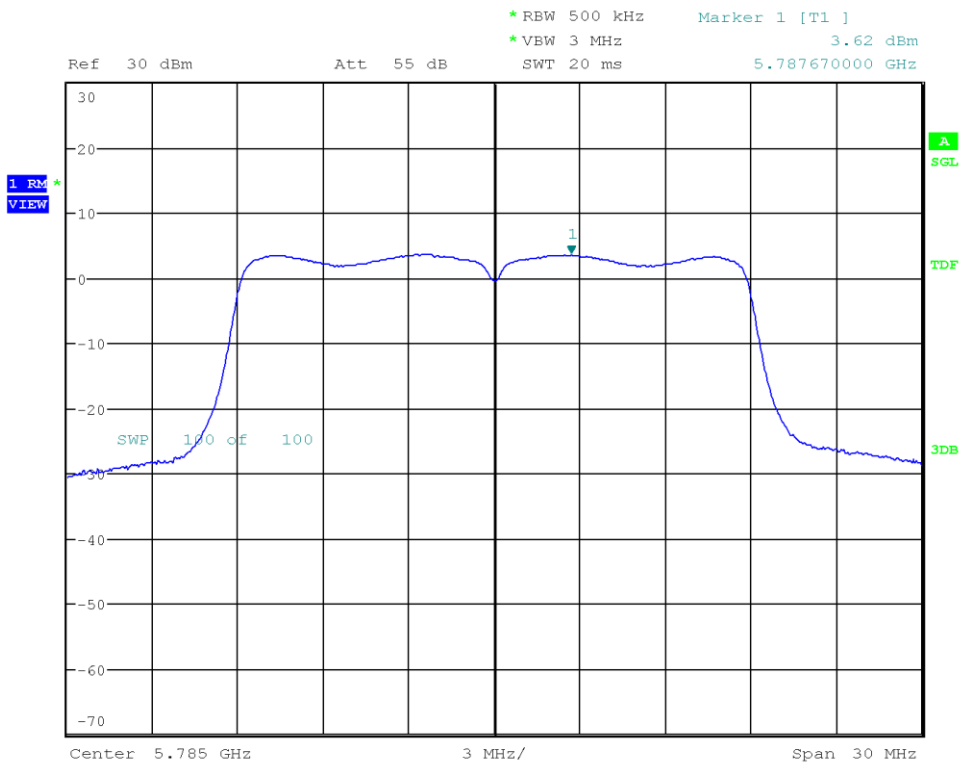
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 16
Maximum Frequency [MHz]:	5737.470
Spectral Density [dBm/RBW]:	2.154
Resolution Bandwidth [MHz]:	0.5



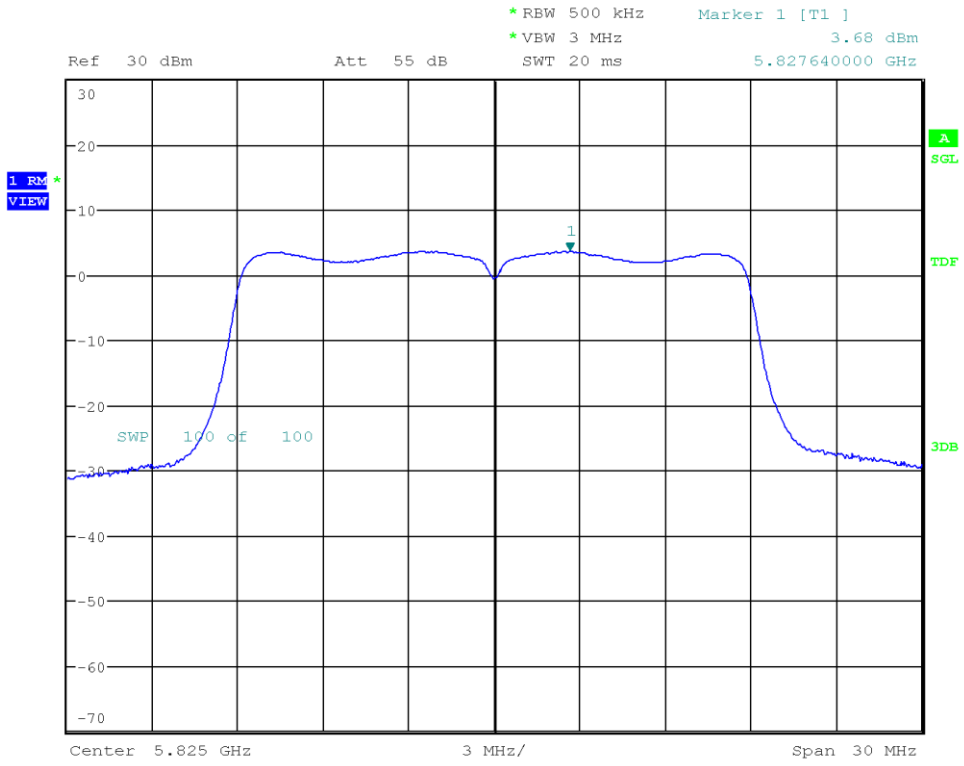
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5787.670
Spectral Density [dBm/RBW]:	3.619
Resolution Bandwidth [MHz]:	0.5



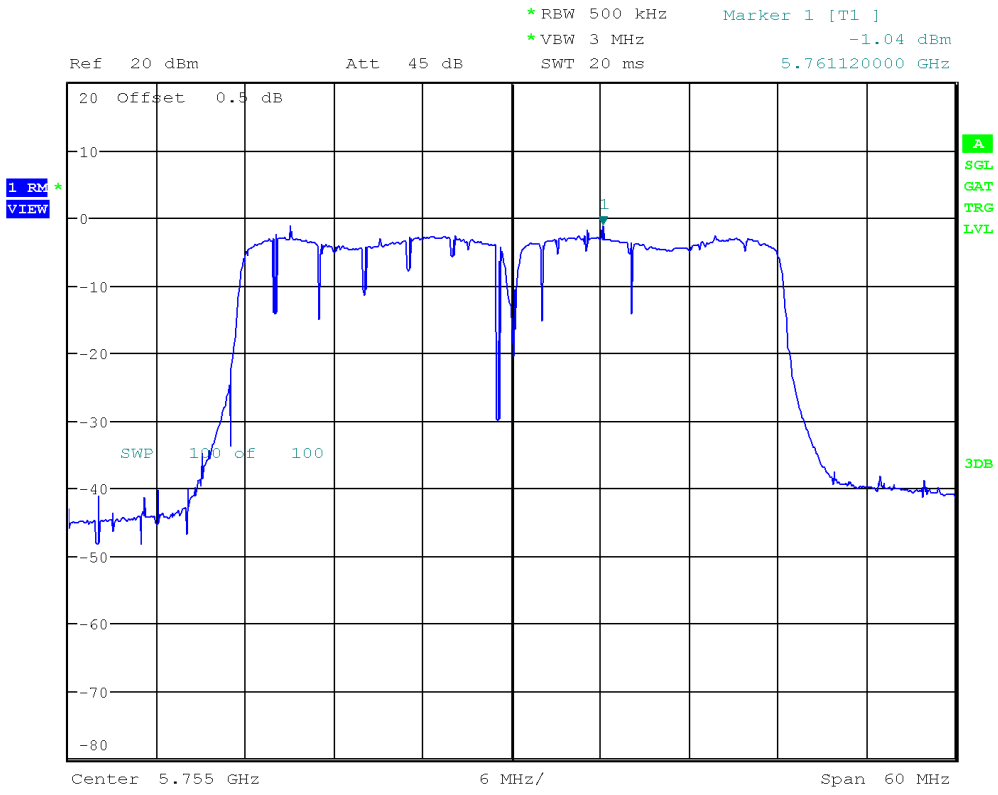
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5827.640
Spectral Density [dBm/RBW]:	3.676
Resolution Bandwidth [MHz]:	0.5



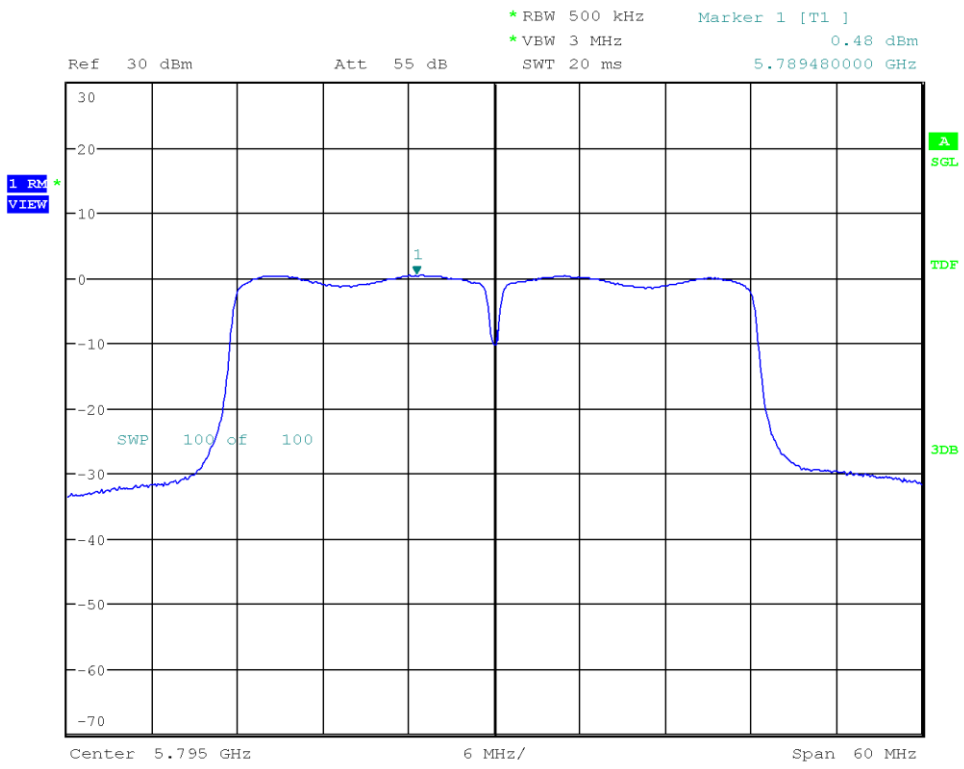
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 5, Power level = 16
Maximum Frequency [MHz]:	5761.120
Spectral Density [dBm/RBW]:	-1.045
Resolution Bandwidth [MHz]:	0.5



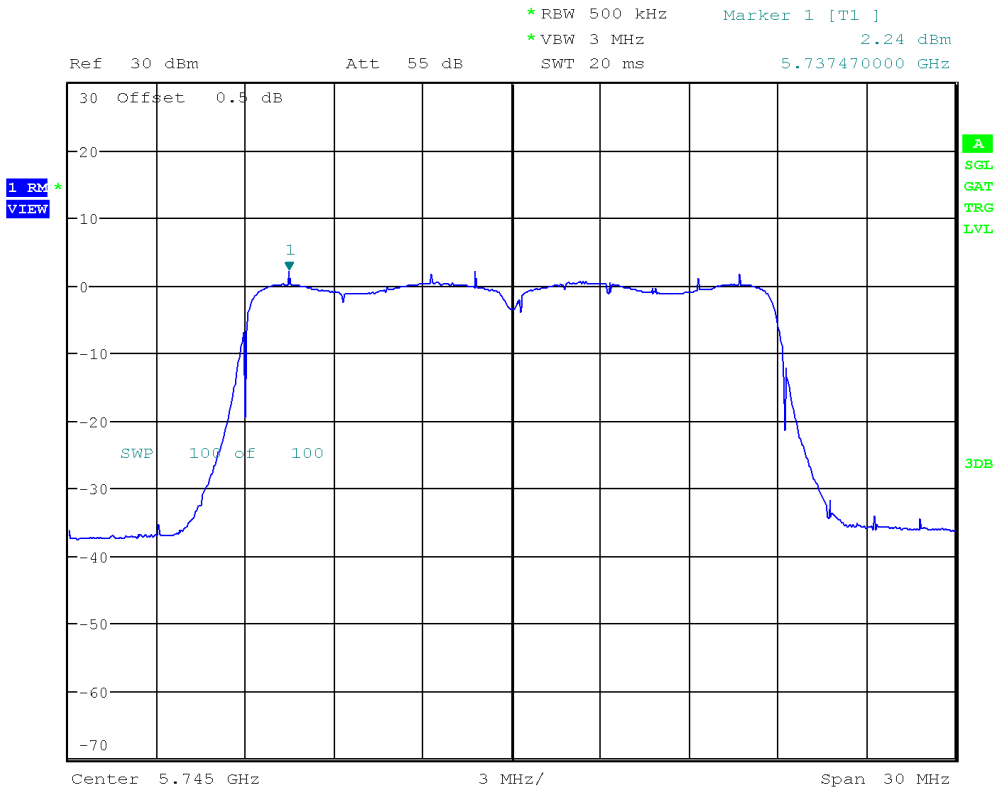
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5789.480
Spectral Density [dBm/RBW]:	0.478
Resolution Bandwidth [MHz]:	0.5



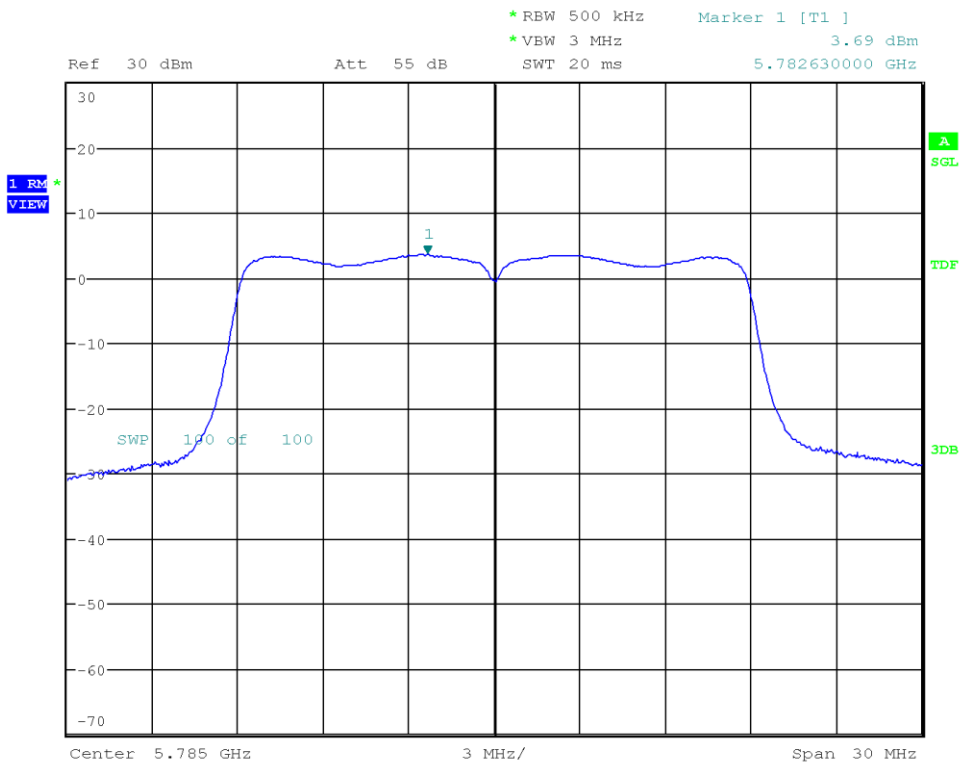
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 0, Power level = 16
Maximum Frequency [MHz]:	5737.470
Spectral Density [dBm/RBW]:	2.239
Resolution Bandwidth [MHz]:	0.5



Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5782.630
Spectral Density [dBm/RBW]:	3.692
Resolution Bandwidth [MHz]:	0.5



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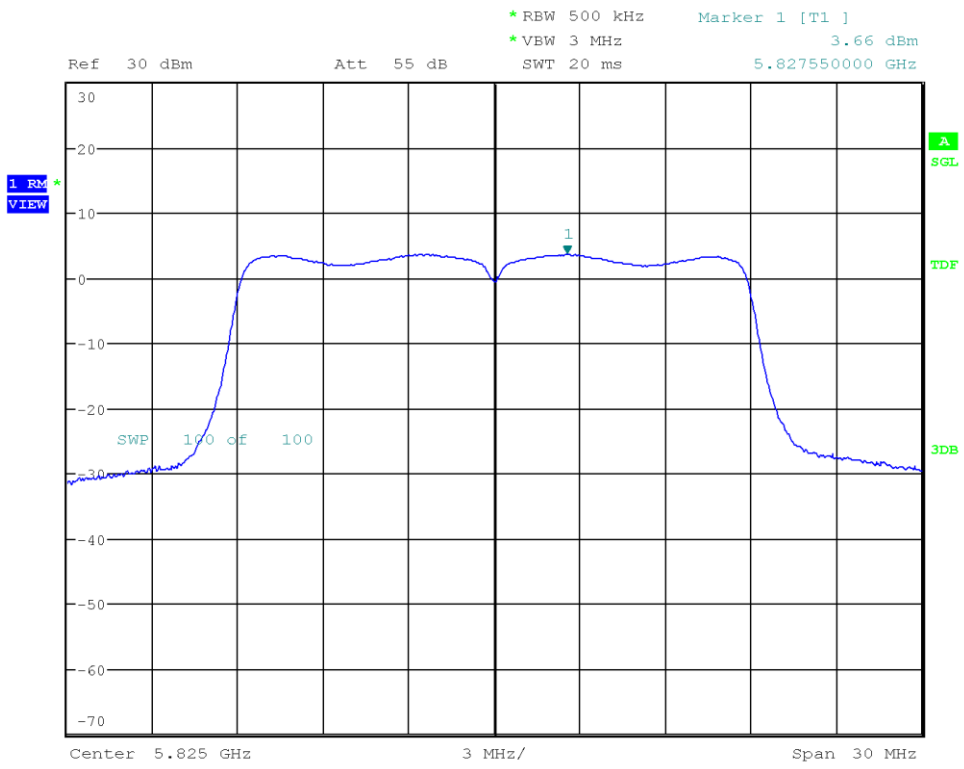
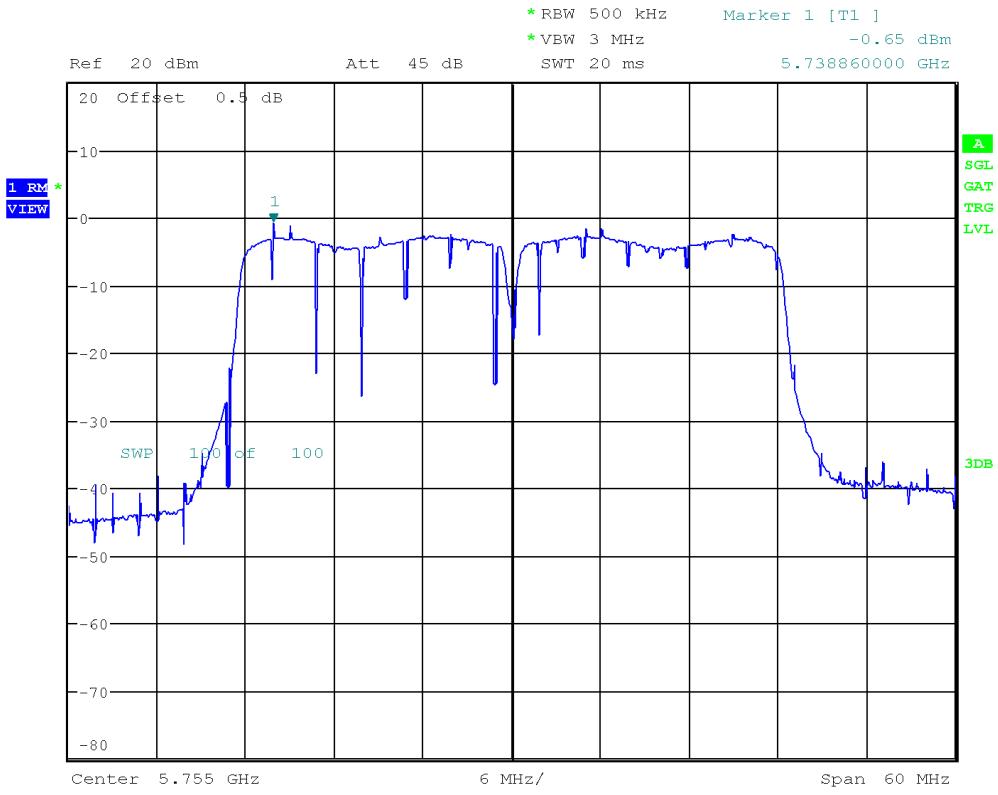
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5827.550
Spectral Density [dBm/RBW]:	3.658
Resolution Bandwidth [MHz]:	0.5



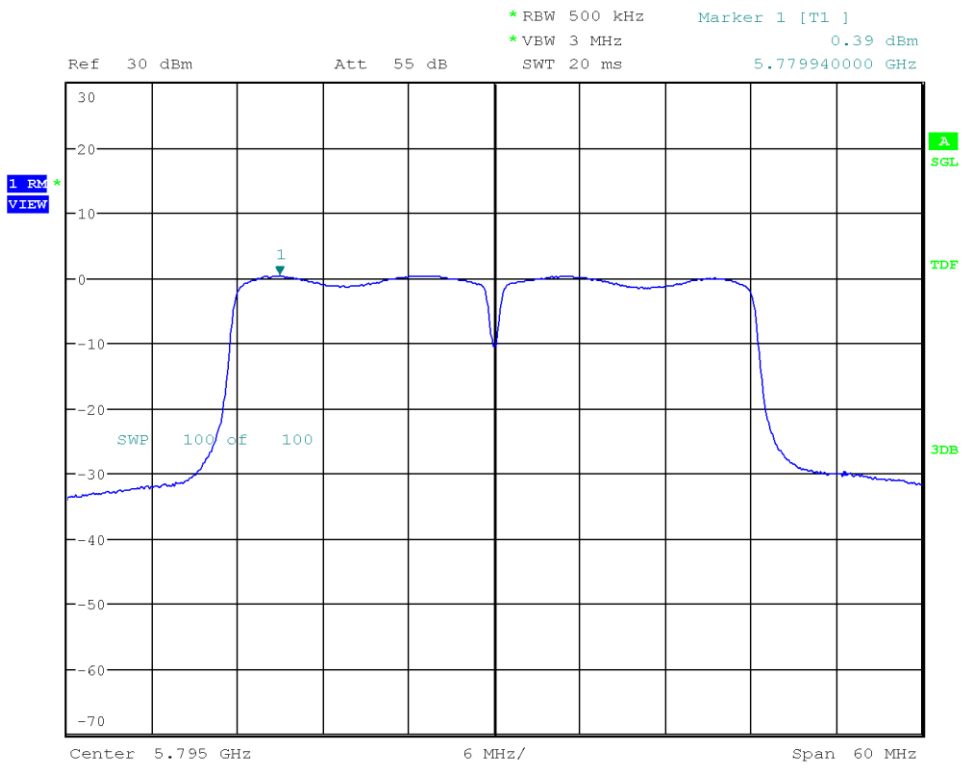
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 6, Power level = 16
Maximum Frequency [MHz]:	5738.860
Spectral Density [dBm/RBW]:	-0.650
Resolution Bandwidth [MHz]:	0.5



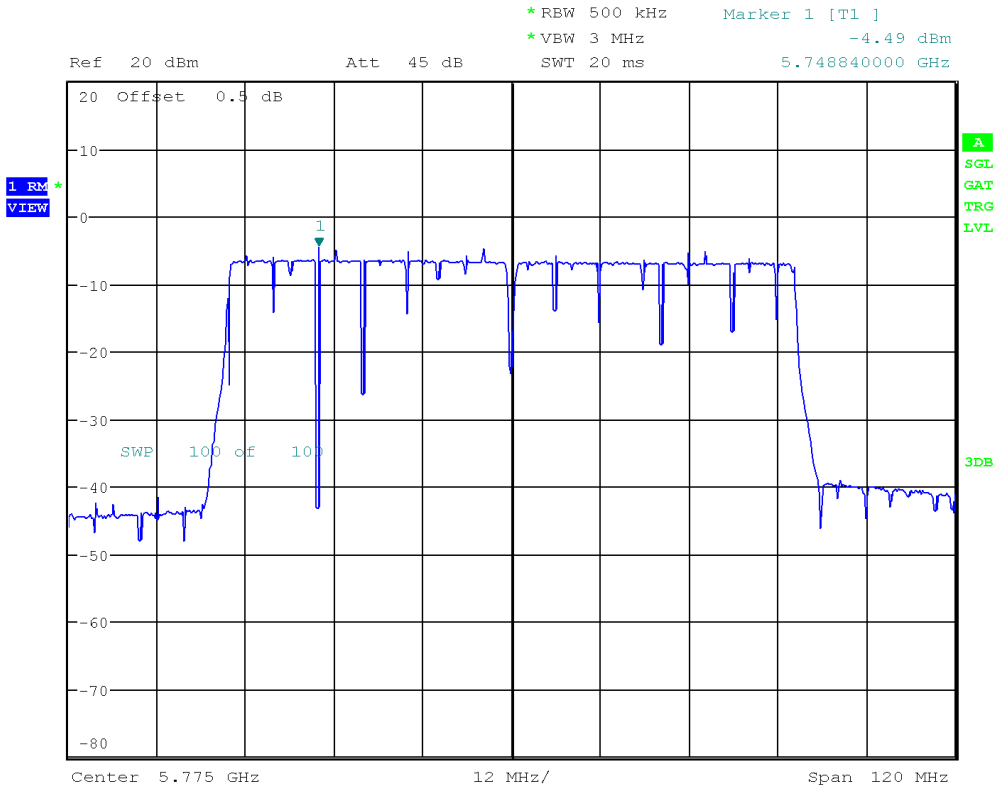
Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-08
Number of Antenna Ports:	1
Note:	Bit rate= MCS 0, Power Level =19
Maximum Frequency [MHz]:	5779.940
Spectral Density [dBm/RBW]:	0.391
Resolution Bandwidth [MHz]:	0.5



Maximum Power Spectral Density

Project Number:	G0M-2302-1881
Applicant:	u-blox AG
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	44052
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:	Radwan Jaafar
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-08-11
Number of Antenna Ports:	1
Note:	Bit rate = MCS 3, Power level = 16
Maximum Frequency [MHz]:	5748.840
Spectral Density [dBm/RBW]:	-4.486
Resolution Bandwidth [MHz]:	0.5



3.5 Test Conditions and Results - Frequency stability

3.5.1 Information

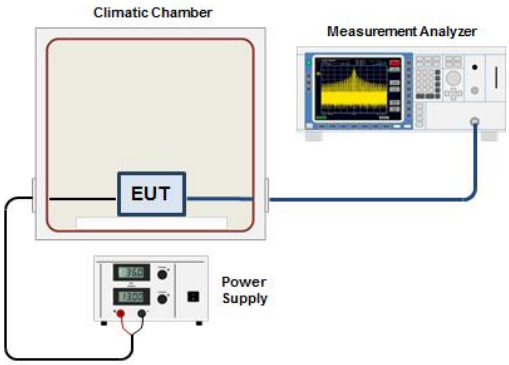
Test Information	
Reference	FCC 15.407(g), KDB 789033 A.3
Measurement Method	ANSI C63.10 6.8
Operator	Dhamia Almozani
Date	2023-05-04
Measurement uncertainty	±0.06 ppm

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

Test 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	Agilant	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
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
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
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	5180.000110	0.11
36	5180	3.3	85	2	5179.998584	-1.416
36	5180	3.3	85	5	5179.998568	-1.432
36	5180	3.3	85	10	5179.998610	-1.39
36	5180	3.3	75	0	5179.998610	-1.39
36	5180	3.3	75	2	5180.000723	0.723
36	5180	3.3	75	5	5180.000737	0.737
36	5180	3.3	75	10	5180.000783	0.783
36	5180	3.3	65	0	5180.000783	0.783
36	5180	3.3	65	2	5180.000016	0.016
36	5180	3.3	65	5	5180.000076	0.076
36	5180	3.3	65	10	5180.000025	0.025
36	5180	3.3	55	0	5180.000025	0.025
36	5180	3.3	55	2	5180.000412	0.412
36	5180	3.3	55	5	5180.000424	0.424
36	5180	3.3	55	10	5180.000436	0.436
36	5180	3.3	45	0	5180.000436	0.436
36	5180	3.3	45	2	5179.998704	-1.296
36	5180	3.3	45	5	5179.998760	-1.24
36	5180	3.3	45	10	5179.998672	-1.328
36	5180	3.3	35	0	5179.998672	-1.328
36	5180	3.3	35	2	5180.001083	1.083
36	5180	3.3	35	5	5180.001070	1.07
36	5180	3.3	35	10	5180.001099	1.099
36	5180	3.3	25	0	5180.001099	1.099
36	5180	3.3	25	2	5179.999381	-0.619
36	5180	3.3	25	5	5179.999338	-0.662
36	5180	3.3	25	10	5179.999261	-0.739
36	5180	3.3	15	0	5179.999261	-0.739
36	5180	3.3	15	2	5180.001326	1.326
36	5180	3.3	15	5	5180.001362	1.362
36	5180	3.3	15	10	5180.001286	1.286
36	5180	3.3	5	0	5180.001286	1.286
36	5180	3.3	5	2	5180.001163	1.163
36	5180	3.3	5	5	5180.001137	1.137
36	5180	3.3	5	10	5180.001156	1.156
36	5180	3.3	0	0	5180.001156	1.156
36	5180	3.3	0	2	5179.998578	-1.422
36	5180	3.3	0	5	5179.998552	-1.448
36	5180	3.3	0	10	5179.998572	-1.428
36	5180	3.3	-10	0	5179.998572	-1.428
36	5180	3.3	-10	2	5180.001264	1.264
36	5180	3.3	-10	5	5180.001245	1.245
36	5180	3.3	-10	10	5180.001325	1.325
36	5180	3.3	-20	0	5180.001325	1.325

36	5180	3.3	-20	2	5179.999403	-0.597
36	5180	3.3	-20	5	5179.999424	-0.576
36	5180	3.3	-20	10	5179.999383	-0.617
36	5180	3.3	-30	0	5179.999383	-0.617
36	5180	3.3	-30	2	5180.000444	0.444
36	5180	3.3	-30	5	5180.000491	0.491
36	5180	3.3	-30	10	5180.000499	0.499
36	5180	3.3	-40	0	5180.000499	0.499
36	5180	3.3	-40	2	5180.001221	1.221
36	5180	3.3	-40	5	5180.001259	1.259
36	5180	3.3	-40	10	5180.001256	1.256

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	5180.001235	1.235
36	5180	3.14	20	5180.000503	0.503
36	5180	3.46	20	5180.000503	0.503

3.6 Test Conditions and Results - AC power line conducted emissions

3.6.1 Information

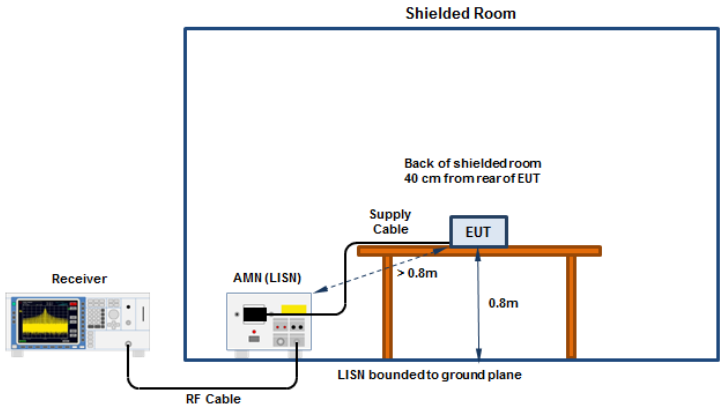
Test Information	
Reference	FCC 15.207
Measurement Method	ANSI C63.10 6.2
Operator	Odai Qawasmeh
Date	2023-04-26
Measurement uncertainty	±3.82 %

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

Test 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	R&S	ESR7	EF00943	2022-07	2023-07
Pulse Limiter	R&S	ESH3-Z2	EF01222	2021-07	2023-07
LISN	R&S	ESH3-Z5	EF00036	2021-08	2023-08

3.6.5 Setup Photos

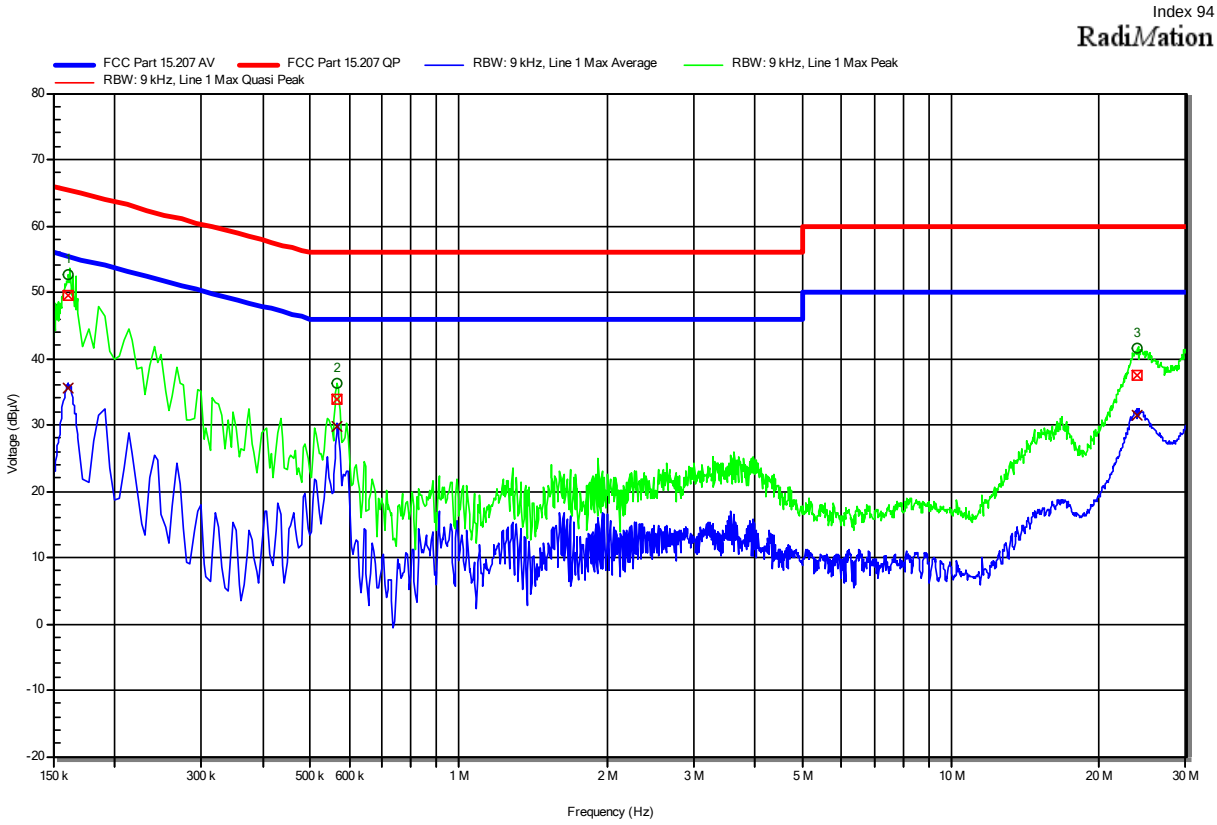
Setup for measurements 150 kHz - 30 MHz
photos deleted - refer to separate exhibits

Setup for measurements 150 kHz - 30 MHz (cables)
photos deleted - refer to separate exhibits

EUT Test Setup
photos deleted - refer to separate exhibits

Conducted emissions at the mains power port according to 47 CFR Part 15.247

Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43218
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Qawasmeh
Test Date:	2023-04-26
Operating Conditions:	ambient temperature: 24 °Celsius power input: 3.3 VDC
LISN:	ESH3-Z5 (L)
Operational Mode & EUT Configuration:	Tx, IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20
Applied to Port:	120 VAC / 60 Hz



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	161.25 kHz	49.49 dBµV	65.4 dBµV	-15.91 dB	Pass	Line 1
2	565.8 kHz	33.94 dBµV	56 dBµV	-22.06 dB	Pass	Line 1
3	23.96 MHz	37.55 dBµV	60 dBµV	-22.45 dB	Pass	Line 1

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	161.25 kHz	35.65 dBµV	55.4 dBµV	-19.75 dB	Pass	Line 1
2	565.8 kHz	29.79 dBµV	46 dBµV	-16.21 dB	Pass	Line 1
3	23.96 MHz	31.39 dBµV	50 dBµV	-18.61 dB	Pass	Line 1

Conducted emissions at the mains power port according to 47 CFR Part 15.247

Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43218
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Qawasmeh
Test Date:	2023-04-26
Operating Conditions:	ambient temperature: 24 °Celsius power input: 3.3 VDC
LISN:	ESH3-Z5 (N)
Operational Mode & EUT Configuration:	Tx, IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20
Applied to Port:	120 VAC / 60 Hz

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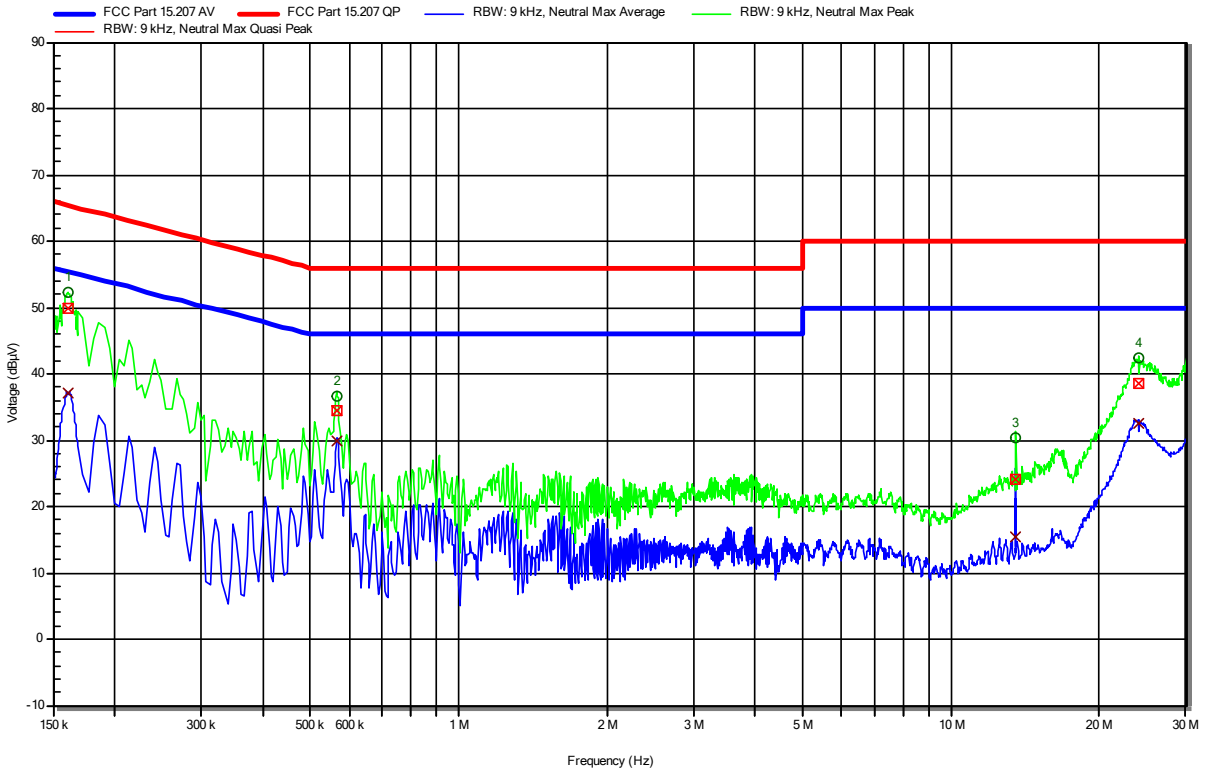
RadiMation



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	160.8 kHz	49.88 dBµV	65.42 dBµV	-15.55 dB	Pass	Neutral
2	564.9 kHz	34.52 dBµV	56 dBµV	-21.48 dB	Pass	Neutral
3	13.561 MHz	24.06 dBµV	60 dBµV	-35.94 dB	Pass	Neutral
4	24.099 MHz	38.52 dBµV	60 dBµV	-21.48 dB	Pass	Neutral

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	160.8 kHz	37.04 dBµV	55.42 dBµV	-18.38 dB	Pass	Neutral
2	564.9 kHz	29.94 dBµV	46 dBµV	-16.06 dB	Pass	Neutral
3	13.561 MHz	15.44 dBµV	50 dBµV	-34.56 dB	Pass	Neutral
4	24.099 MHz	32.5 dBµV	50 dBµV	-17.5 dB	Pass	Neutral

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

Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Qawasmeh
Test Date:	2023-04-26
Operating Conditions:	ambient temperature: 23 °Celsius power input: 3.3 VDC_1.8 VDC
LISN:	ESH3-Z5 (L)
Operational Mode & EUT Configuration:	Rx, IEEE 802.11 ac, 5180 MHz
Applied to Port:	120 VAC / 60 Hz

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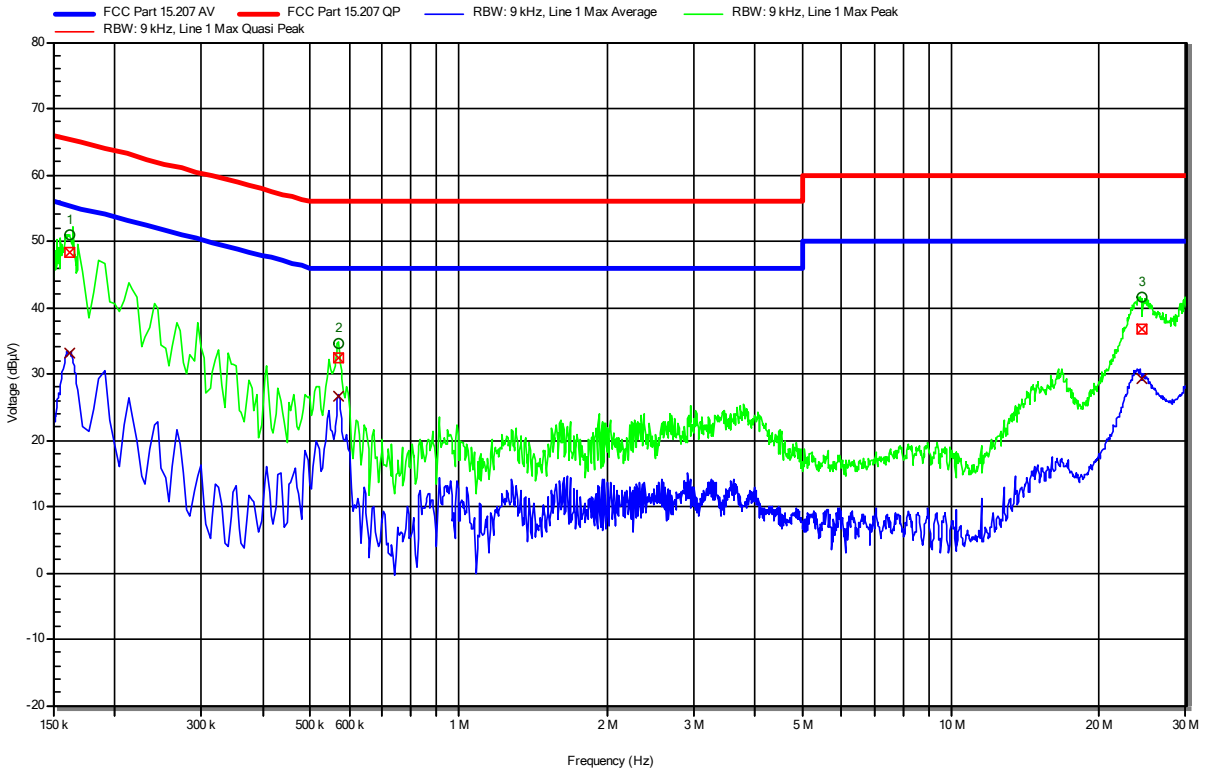
RadiMation



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	161.7 kHz	48.2 dBµV	65.38 dBµV	-17.18 dB	Pass	Line 1
2	568.95 kHz	32.42 dBµV	56 dBµV	-23.58 dB	Pass	Line 1
3	24.468 MHz	36.64 dBµV	60 dBµV	-23.36 dB	Pass	Line 1

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	161.7 kHz	33.18 dBµV	55.38 dBµV	-22.19 dB	Pass	Line 1
2	568.95 kHz	26.71 dBµV	46 dBµV	-19.29 dB	Pass	Line 1
3	24.468 MHz	29.38 dBµV	50 dBµV	-20.62 dB	Pass	Line 1

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

Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Qawasmeh
Test Date:	2023-04-26
Operating Conditions:	ambient temperature: 23 °Celsius power input: 3.3 VDC_1.8 VDC
LISN:	ESH3-Z5 (N)
Operational Mode & EUT Configuration:	Rx, IEEE 802.11 ac, 5180 MHz
Applied to Port:	120 VAC / 60 Hz

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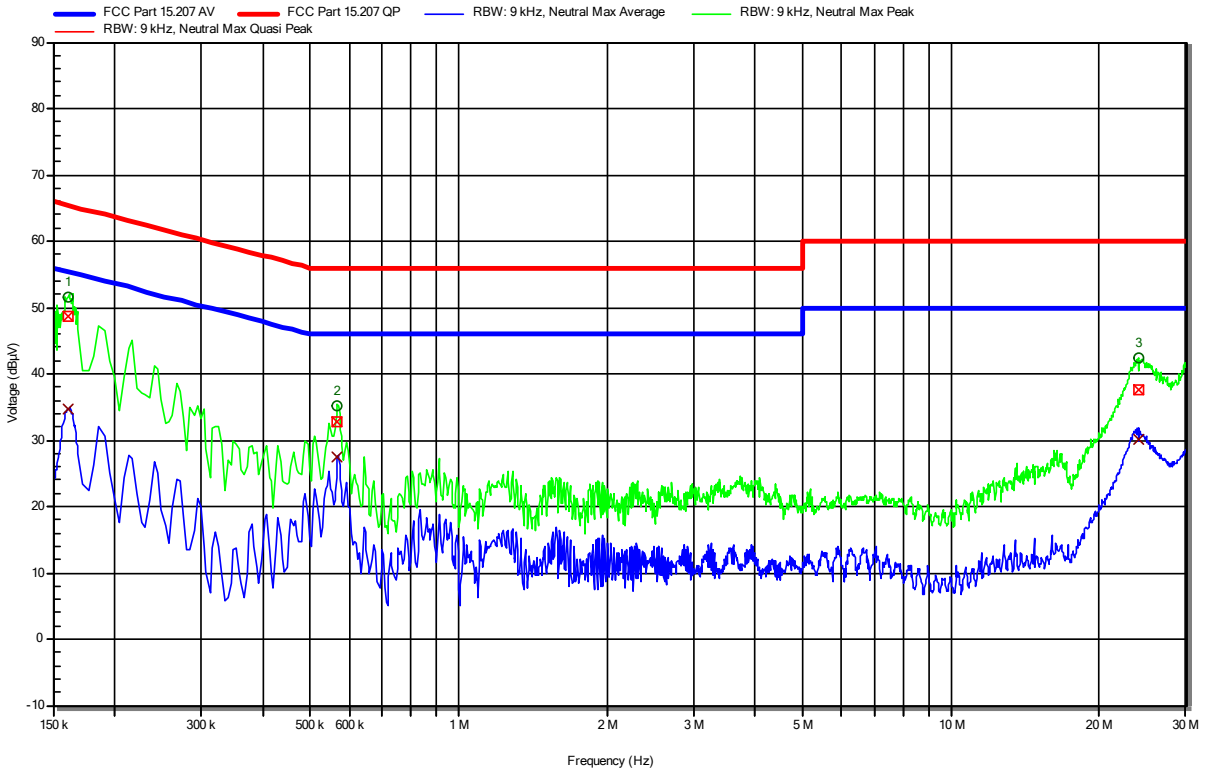
RadiMation



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	161.25 kHz	48.7 dBµV	65.4 dBµV	-16.7 dB	Pass	Neutral
2	568.05 kHz	32.89 dBµV	56 dBµV	-23.11 dB	Pass	Neutral
3	24.063 MHz	37.5 dBµV	60 dBµV	-22.5 dB	Pass	Neutral

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	161.25 kHz	34.69 dBµV	55.4 dBµV	-20.71 dB	Pass	Neutral
2	568.05 kHz	27.37 dBµV	46 dBµV	-18.63 dB	Pass	Neutral
3	24.063 MHz	30.13 dBµV	50 dBµV	-19.87 dB	Pass	Neutral

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	Godson Offorji, Azamat Ibraimov, Ehsan Sohrabi, Florian Voigt
Date	2023-05-09 – 2023-06-29
Measurement uncertainty	±5.1 %

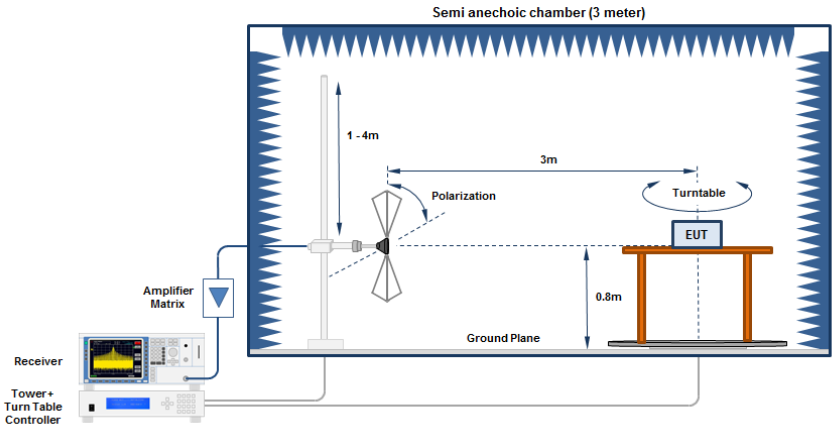
3.7.2 Limits

Limits - Restricted frequency bands and below 1 GHz			
Frequency [MHz]	Detector	Field strength [µV/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

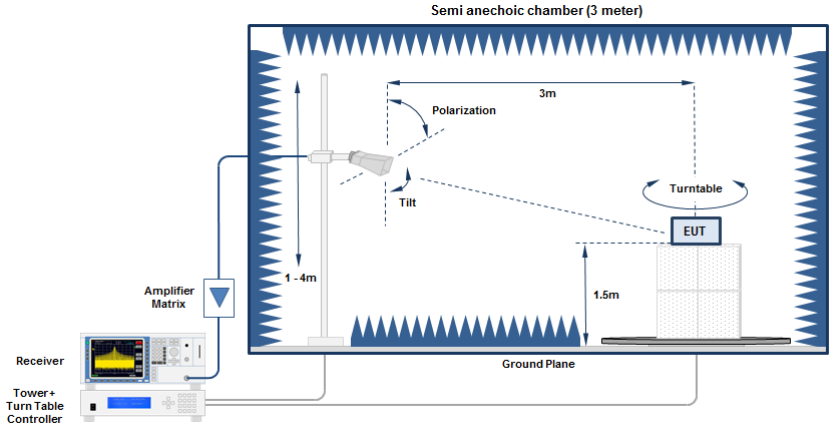
Limits - Outside restricted frequency bands above 1 GHz			
Frequency band [MHz]	Power limit [dBm EIRP]	Field strength limit [dBµV/m]	Measurement distance [m]
5150 - 5250	-27 dBm/MHz	68.2	3
5250 - 5350	-27 dBm/MHz	68.2	3
5470 - 5725	-27 dBm/MHz	68.2	3
5725 - 5850	-27 dBm/MHz @ ±75 MHz from band edge	68.2	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

Test Setup 30 - 1000 MHz



Test Setup > 1 GHz



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	2022-08	2023-08
Antenna	Schwarzbeck	BBHA 9120B	EF01678	2021-03	2024-03
Antenna	Schwarzbeck	HWRD 650	EF01679	2021-03	2024-03
Antenna	Amplifier Research	AT4560	EF00302	2021-06	2023-06
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
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground
2. EUT set to test mode
3. The receiver is set to peak detection with max hold
4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5. All significant emissions are measured again using the corresponding final detector

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

3.7.6 Results

Test Results – OFDM – with Antenna 1 (External antenna, ANT-DB1-RAF-SMA)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
5300	13839	40.00	pk	ver	68.20	-28.20
5300	23287	48.25	pk	ver	68.20	-19.95
5320	639.9845	35.10	pk	ver	68.20	-33.10
5320	2402	37.90	pk	hor	68.20	-30.30
5320	5401	46.11	pk	ver	74.00	-27.89
5320	22249	48.68	pk	ver	74.00	-25.32
5500	1950	39.19	pk	ver	68.20	-29.01
5500	5412	49.31	pk	ver	74.00	-24.69
5500	5412	38.54	RMS	ver	54.00	-15.46
5500	11000	47.86	pk	ver	74.00	-26.14
5500	11000	37.07	RMS	ver	54.00	-16.93
5580	11162	48.68	pk	ver	74.00	-25.32
5580	11162	37.34	RMS	ver	54.00	-16.66
5600	5470	45.51	pk	ver	68.20	-22.69
5600	39894	51.86	pk	ver	74.00	-22.14
5600	39894	40.82	RMS	ver	54.00	-13.18
5600	11205	37.29	pk	ver	74.00	-36.71
5600	16799	43.09	pk	ver	68.20	-25.11
5700	4054	43.99	pk	ver	74.00	-30.01
5720	4082	44.90	pk	ver	74.00	-29.10
5720	4082	35.97	RMS	ver	54.00	-18.03
5720	11439	43.25	pk	ver	74.00	-30.75
5745	11491	43.56	pk	ver	74.00	-30.44
5785	1766	45.50	pk	hor	68.20	-22.70
5785	11572	43.89	pk	ver	74.00	-30.11
5825	4237	47.21	pk	ver	74.00	-26.79
5825	11645	44.48	pk	ver	74.00	-29.52

Test Results – HT20 – with Antenna 1 (External antenna, ANT-DB1-RAF-SMA)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
No significant emissions						

Test Results – HT40 – with Antenna 1 (External antenna, ANT-DB1-RAF-SMA)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
5230	5098	47.95	pk	ver	74.00	-26.05
5230	21414	47.31	pk	ver	68.20	-20.89
5270	5600	45.45	pk	hor	68.20	-22.75
5270	12533	38.46	pk	ver	74.00	-35.54
5310	5600	44.93	pk	hor	68.20	-23.27
5510	19533	48.00	pk	ver	74.00	-26.00
5590	5200	44.49	pk	ver	68.20	-23.71
5590	5456	49.24	pk	ver	74.00	-24.76
5590	24219	48.48	pk	hor	68.20	-19.72
5670	1628	39.33	pk	ver	68.20	-28.87

5670	4013	48.18	pk	ver	74.00	-25.82
5670	4013	39.65	RMS	ver	54.00	-14.35
5670	5793	44.78	pk	ver	68.20	-23.42
5710	4073	43.01	pk	ver	74.00	-30.99
5710	13500	44.62	pk	ver	68.20	-23.58
5710	22504	46.57	pk	hor	74.00	-27.43
5710	22504	41.76	RMS	hor	54.00	-12.24
5755	5671	56.58	pk	ver	83.56	-26.98
5795	5905	60.50	pk	ver	83.13	-22.63
5795	11593	41.59	pk	ver	74.00	-32.41

Test Results – VHT20 – with Antenna 1 (External antenna, ANT-DB1-RAF-SMA)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
5180	5093	44.86	pk	ver	74.00	-29.14
5180	19119	48.40	pk	hor	74.00	-25.60
5180	10365	48.48	pk	ver	68.20	-19.72
5180	15534	43.86	pk	ver	74.00	-30.14
5200	10398	41.21	pk	ver	68.20	-26.99
5200	39897	51.51	pk	hor	74.00	-22.49
5200	39897	41.05	RMS	hor	54.00	-12.95
5240	640.0088	35.20	pk	ver	68.20	-33.04
5240	890.8993	49.00	pk	hor	68.20	-19.15
5240	890.8993	24.20	qpk	hor	68.20	-44.03
5240	5409	44.73	pk	ver	74.00	-29.27
5240	10480	40.75	pk	ver	68.20	-27.45
5240	23019	48.29	pk	ver	74.00	-25.71
5240	39886	51.48	pk	ver	74.00	-22.52
5240	39886	41.34	RMS	ver	54.00	-12.66

Test Results – VHT40 – with Antenna 1 (External antenna, ANT-DB1-RAF-SMA)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
5190	5096	43.16	pk	ver	74.00	-30.84

Test Results – VHT80 – with Antenna 1 (External antenna, ANT-DB1-RAF-SMA)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
5210	5100	57.18	pk	ver	74.00	-16.82
5210	5100	45.10	RMS	ver	54.00	-08.90
5210	25086	48.76	pk	hor	68.20	-19.44
5290	5406	50.19	pk	ver	74.00	-23.81
5530	5418	51.48	pk	ver	74.00	-22.52
5530	21805	47.38	pk	hor	68.20	-20.82
5530	26394	48.57	pk	hor	68.20	-19.63
5610	5404	47.56	pk	ver	74.00	-26.44
5610	5404	36.25	RMS	ver	54.00	-17.75
5610	5785	46.59	pk	ver	68.20	-21.61
5610	15107	38.77	pk	ver	68.20	-29.43
5610	24818	48.63	pk	hor	68.20	-19.57
5690	4055	42.41	pk	ver	74.00	-31.59
5690	5459	44.68	pk	ver	74.00	-29.32
5690	5459	34.40	RMS	ver	54.00	-19.60
5690	5783	57.48	pk	ver	68.20	-10.72
5775	5673	65.76	pk	ver	85.54	-19.78
5775	5907	57.56	pk	ver	81.47	-23.91

Test Results – HT20 – with Antenna 2 (embedded antenna, custom)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
No significant emissions						

Test Results – HT40 – with Antenna 2 (embedded antenna, custom)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
5190	5100	62.17	pk	hor	74.00	-11.83
5190	5100	50.89	RMS	hor	54.00	-03.11
5190	10376	45.49	pk	ver	68.20	-22.71
5310	5402	45.18	pk	hor	74.00	-28.82
5310	10616	43.64	pk	ver	74.00	-30.36
5510	5414	43.58	pk	hor	74.00	-30.42
5510	7814	45.41	pk	ver	68.20	-22.79
5590	5458	48.89	pk	hor	74.00	-25.11
5590	11179	47.40	pk	ver	74.00	-26.60
5590	11179	38.22	RMS	ver	54.00	-15.78
5710	4063	42.02	pk	hor	74.00	-31.98

Test Results – VHT20 – with Antenna 2 (embedded antenna, custom)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
5180	5100	48.95	pk	hor	74.00	-25.05
5180	5100	42.85	RMS	hor	54.00	-11.15
5180	10361	48.58	pk	ver	68.20	-19.62
5240	10478	51.30	pk	ver	68.20	-16.90
5240	15705	43.22	pk	ver	74.00	-30.78
5240	15705	34.50	RMS	ver	54.00	-19.50
5755	5672	50.57	pk	hor	84.51	-33.94
5795	5902	51.55	pk	hor	85.46	-33.91
5795	11590	42.42	pk	ver	74.00	-31.58

Test Results – VHT40 – with Antenna 2 (embedded antenna, custom)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
No significant emissions						

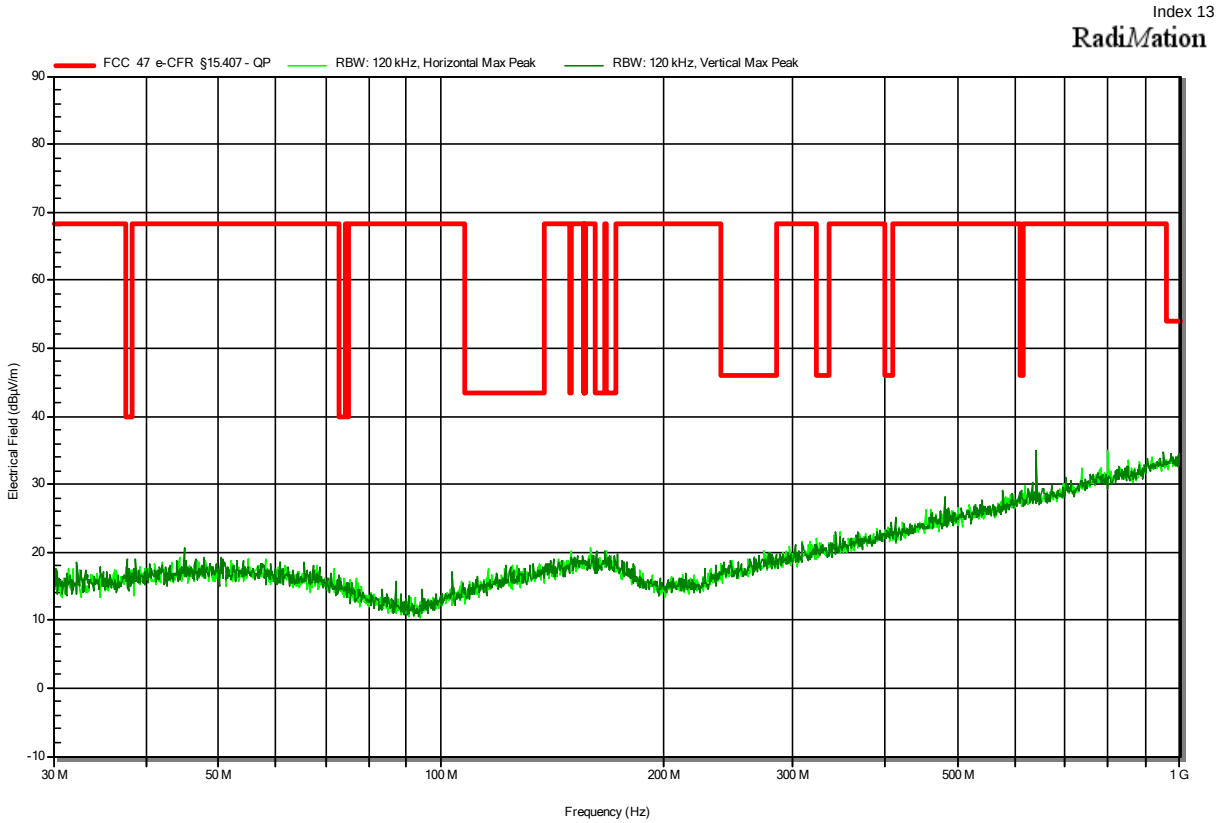
Test Results – VHT80 – with Antenna 2 (embedded antenna, custom)						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
5210	5099	57.93	pk	hor	74.00	-16.07
5210	5099	51.10	RMS	hor	54.00	-02.90
5290	5353	67.20	pk	hor	74.00	-06.80
5290	5353	51.99	RMS	hor	54.00	-02.01
5290	5401	58.73	pk	ver	74.00	-15.27
5290	5401	49.52	RMS	ver	54.00	-04.48
5290	10577	43.41	pk	ver	68.20	-24.79
5530	5419	45.63	pk	ver	74.00	-28.37
5530	7637	43.80	pk	ver	74.00	-30.20
5690	5777	59.14	pk	ver	68.20	-09.06
5775	5643	59.02	pk	hor	68.20	-09.18
5775	5670	61.93	pk	hor	83.31	-21.38

ANNEX A Transmitter radiated emissions with Antenna 1 (External, ANT-DB1-RAF-SMA)

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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Sohrabi
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Schwarzbeck VULB 9168
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11ac, 5180 MHz, MCS-0, VHT20
Test Date:	2023-06-05



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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20, P=17dBm
Test Date:	2023-06-09

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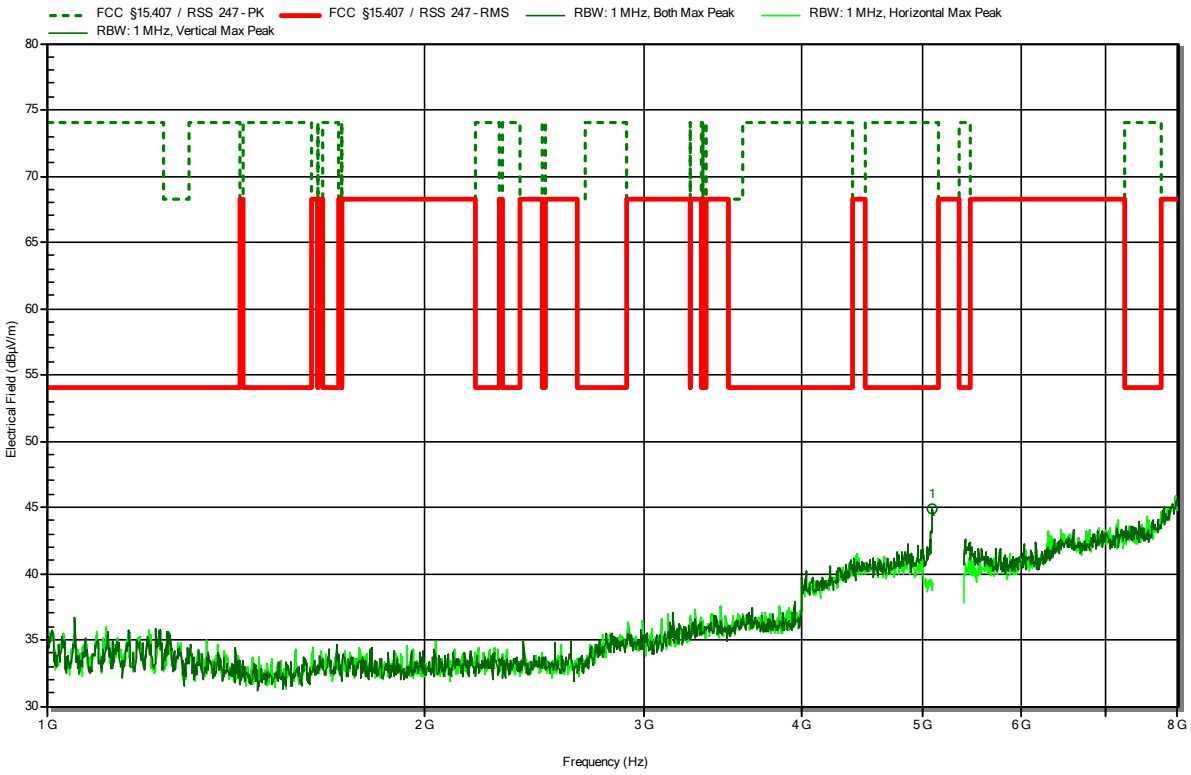
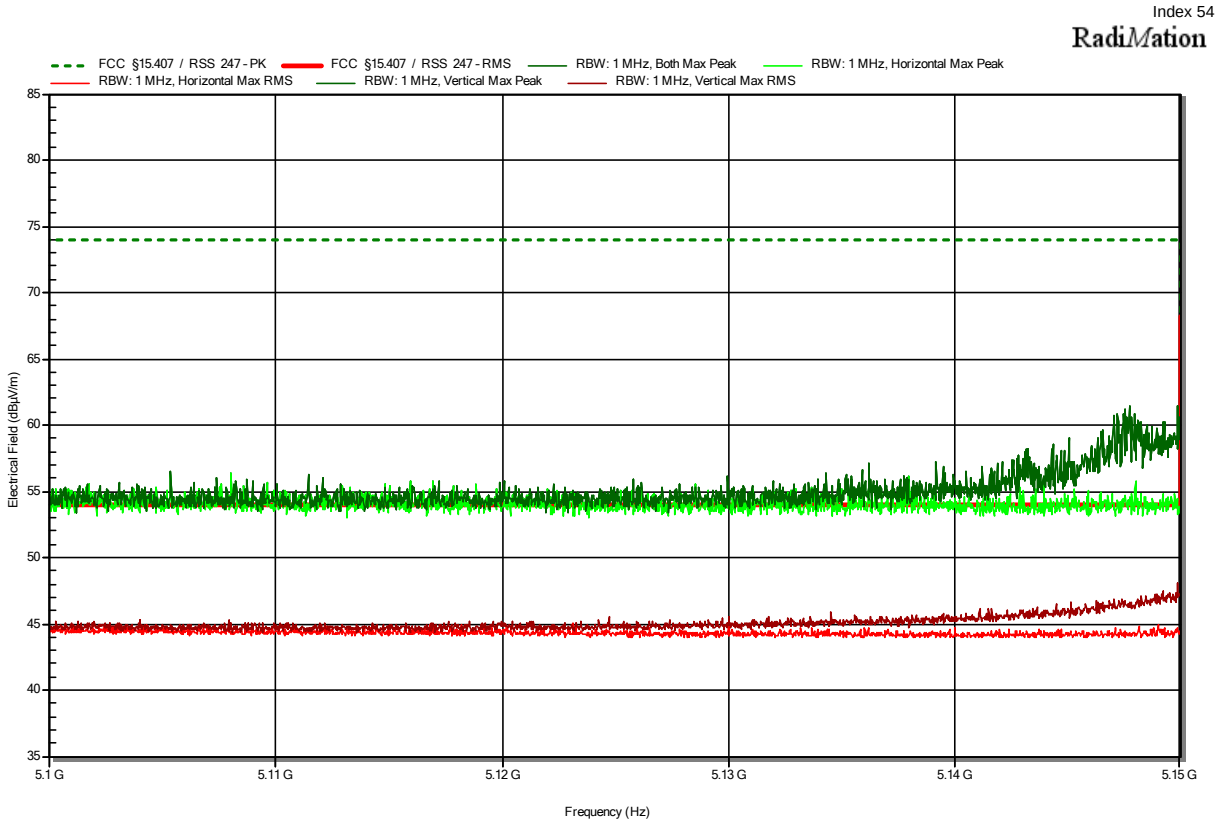
RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
5.093 GHz	44.86 dBµV/m	74 dBµV/m	-29.14 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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20, P=17dBm
Test Date:	2023-06-08
Note:	lower band area



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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Ibraimov Azamat
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Schwarzbeck HWRD 650
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5180 MHz, MCS-0, VHT20, P=17dBm
Test Date:	2023-06-29

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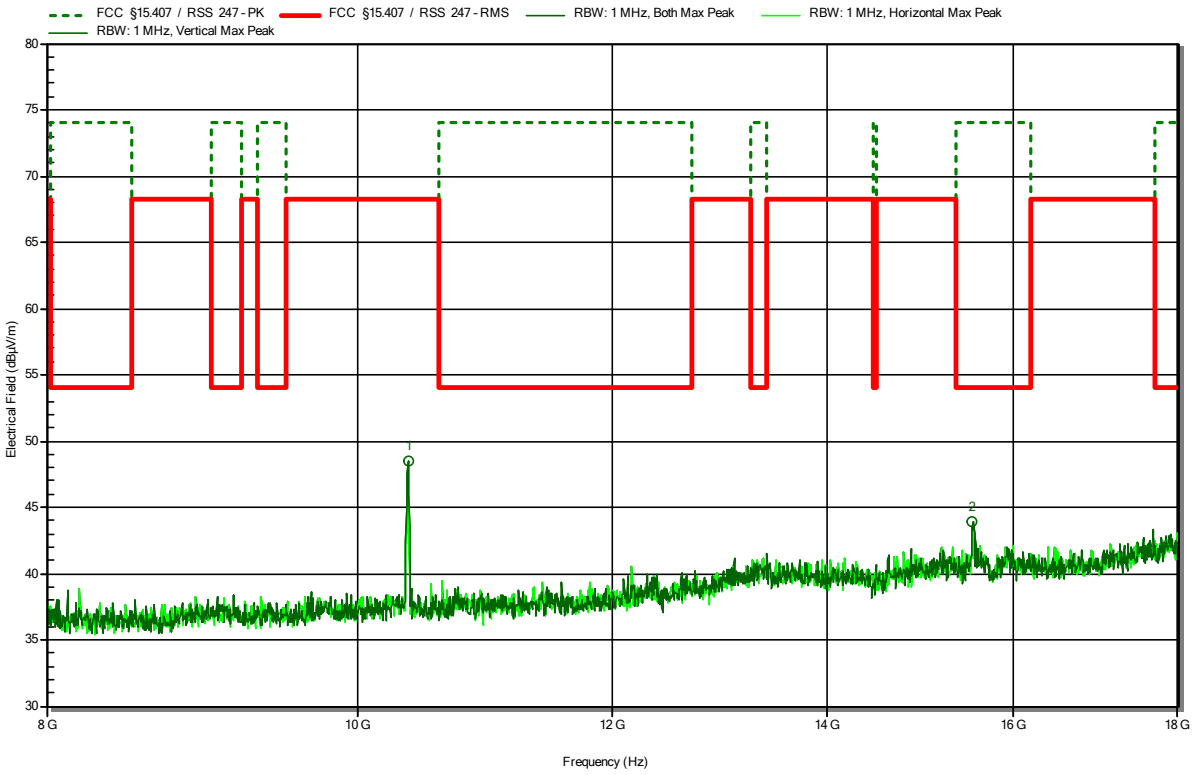
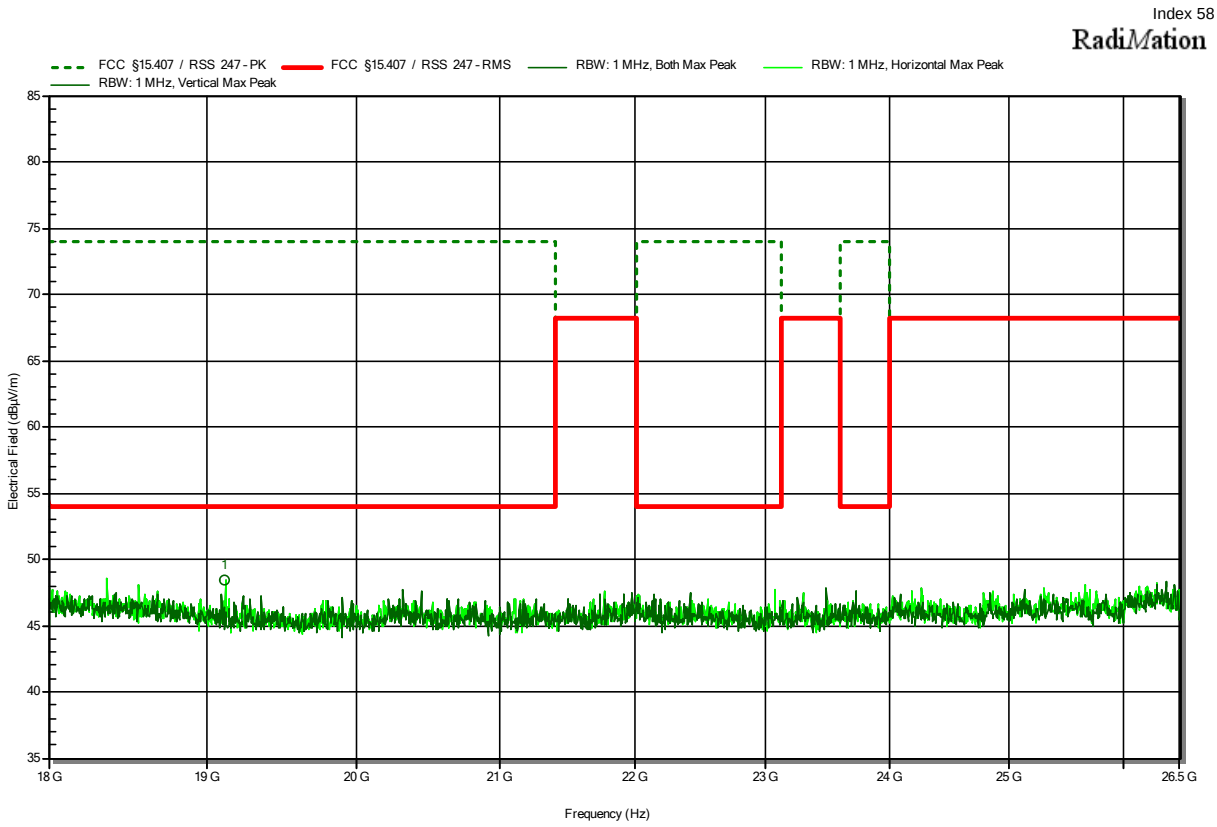
RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
10.365 GHz	48.48 dBµV/m	68.2 dBµV/m	-19.72 dB	Pass	Vertical
15.534 GHz	43.86 dBµV/m	74 dBµV/m	-30.14 dB	Pass	Vertical

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

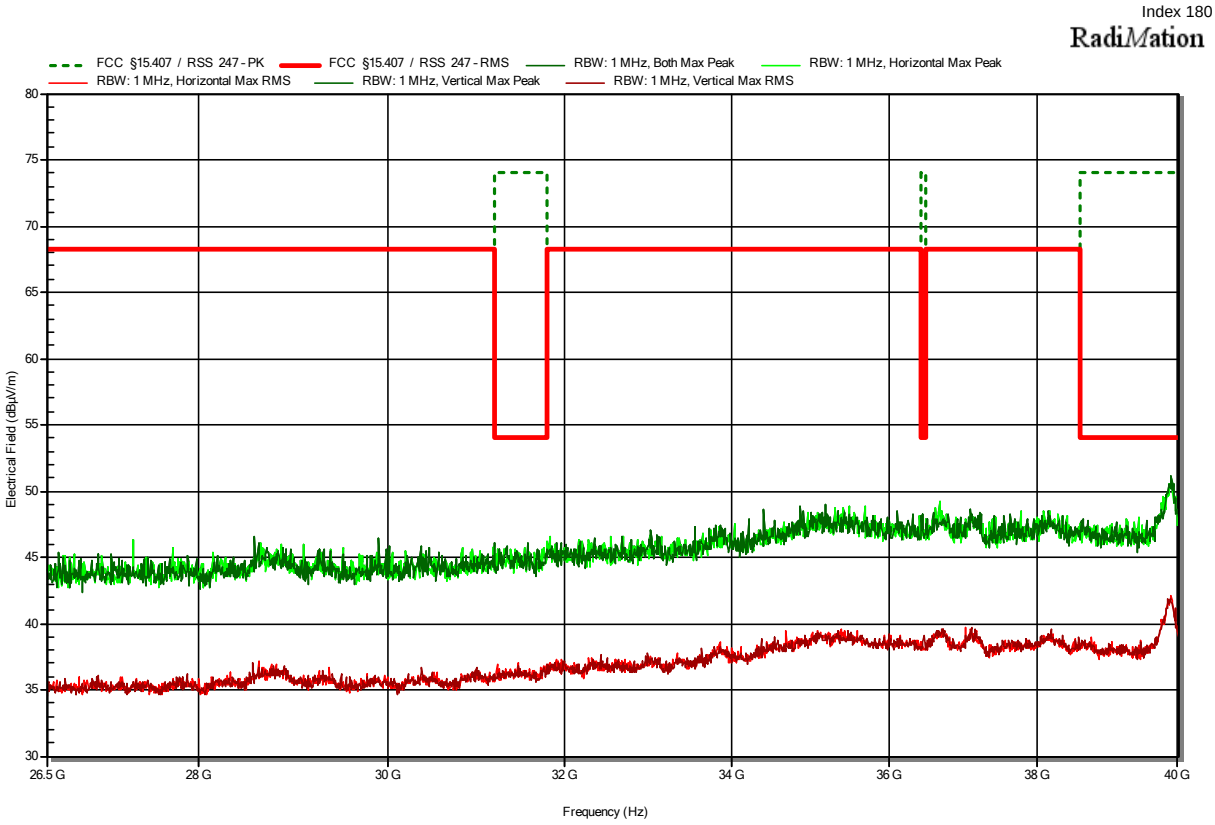
Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20, P=17dBm
Test Date:	2023-06-09



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
19.119 GHz	48.4 dBµV/m	74 dBµV/m	-25.6 dB	Pass	Horizontal

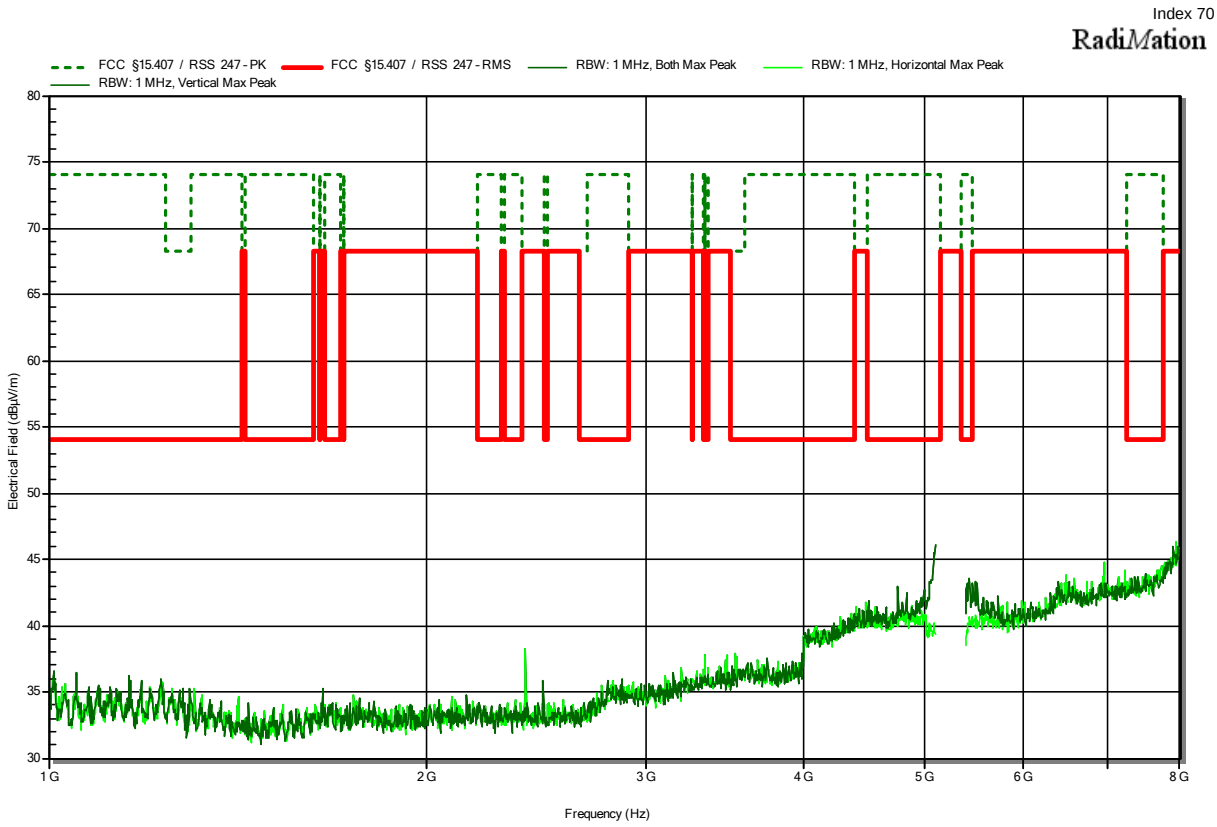
Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Flann 22240-25
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5180 MHz, MCS 0, VHT20, P=17dBm
Test Date:	2023-06-22



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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_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:	2023-06-09



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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_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:	2023-06-09
Note:	lower band area

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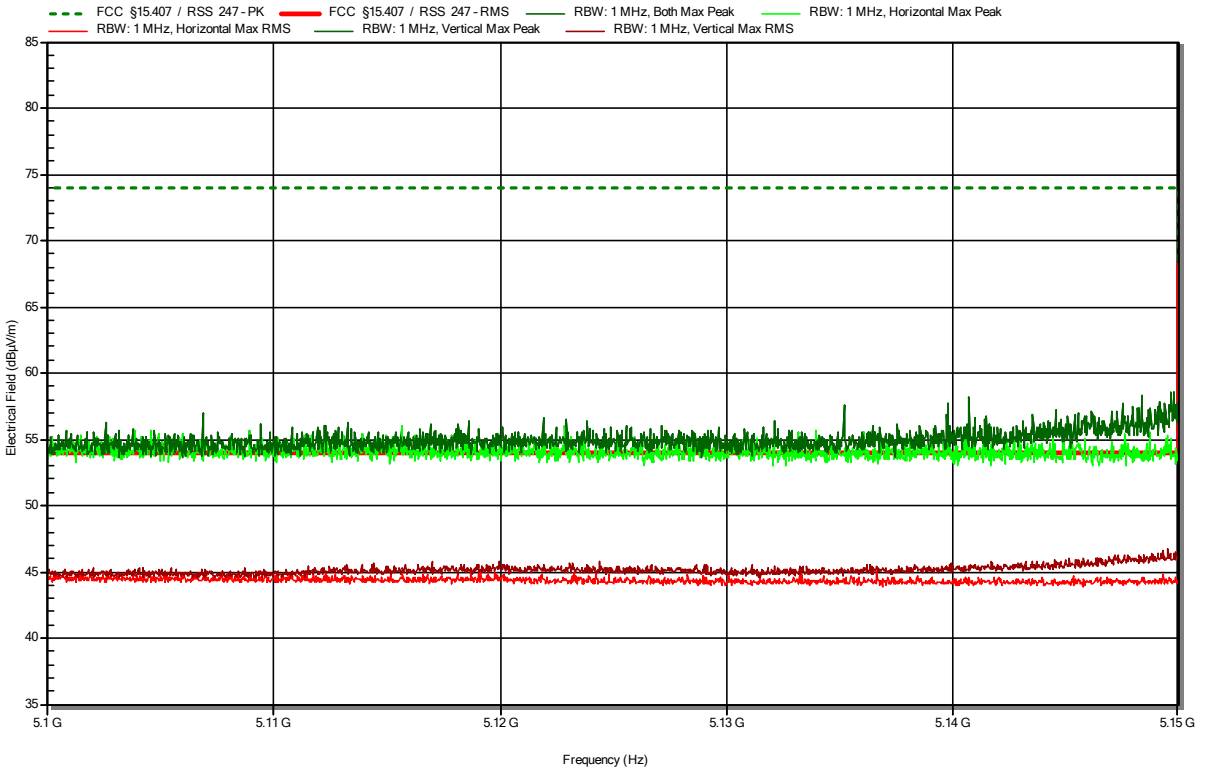

Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_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:	2023-06-09

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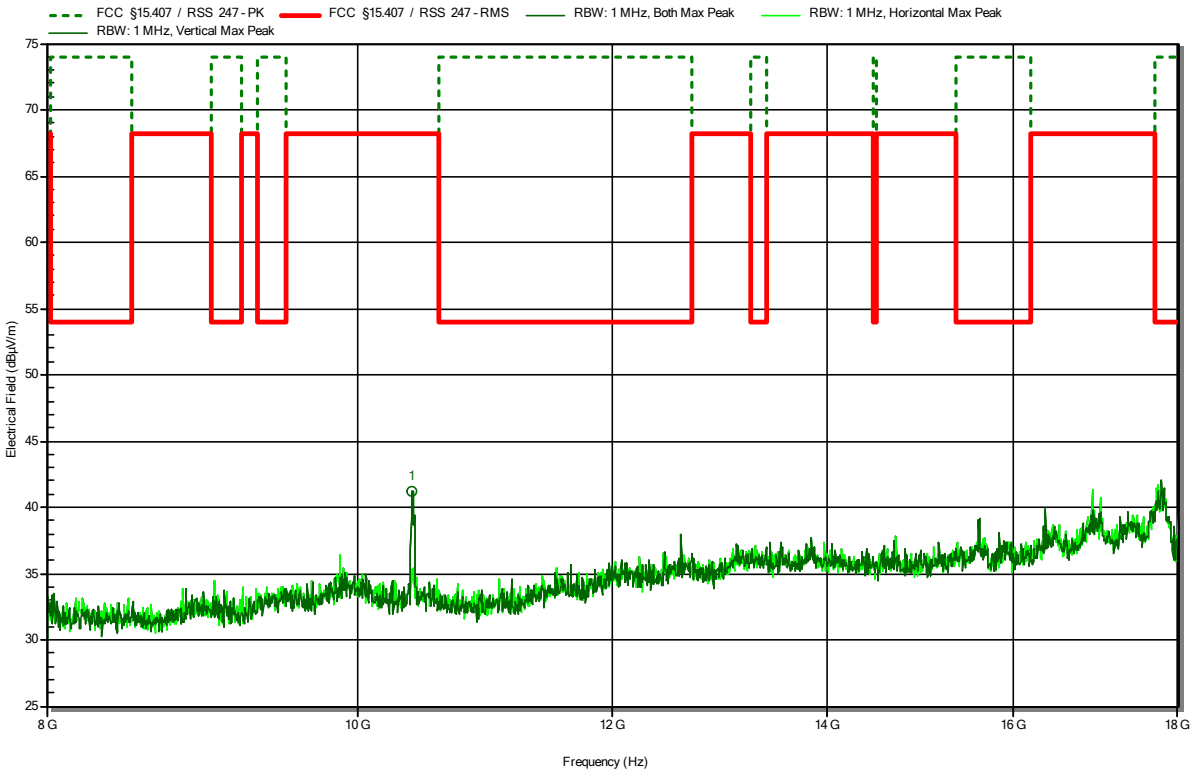

Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
10.398 GHz	41.21 dBµV/m	68.2 dBµV/m	-26.99 dB	Pass	Vertical

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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5200 MHz, MCS 0, VHT20, P=19dBm
Test Date:	2023-06-09

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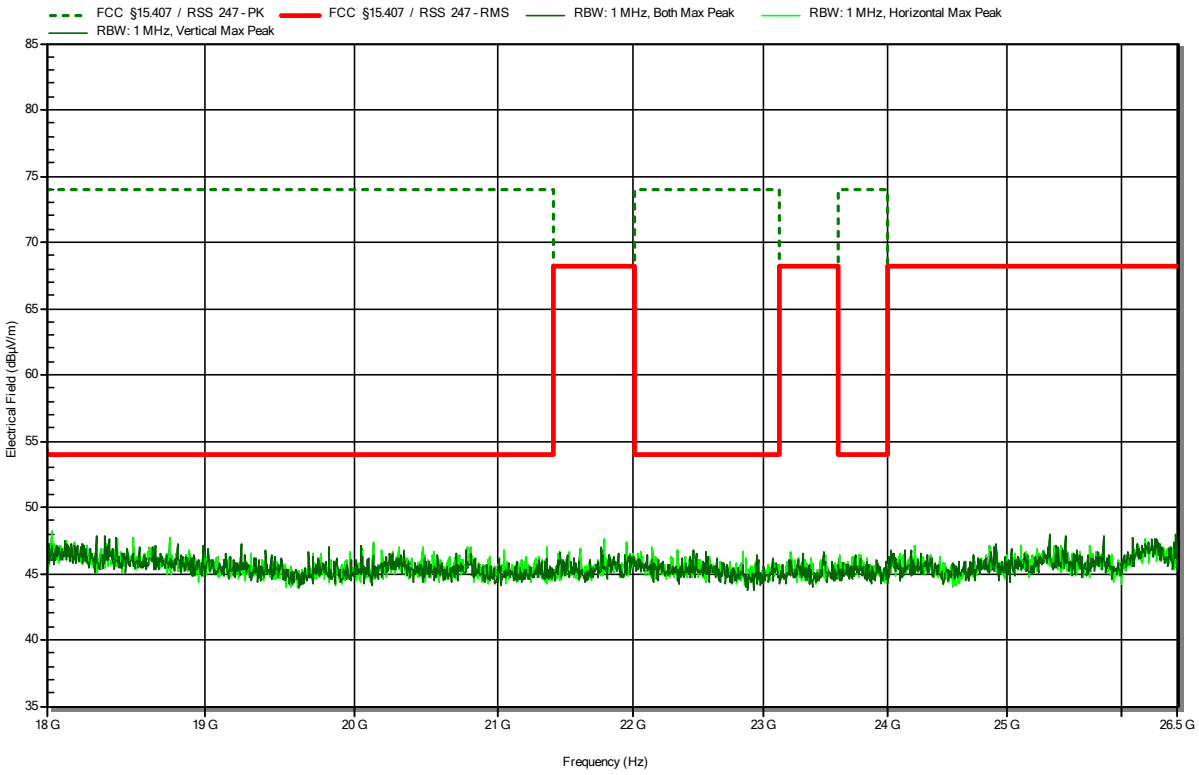

Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Flann 22240-25
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5200 MHz, MCS 0, VHT20, P=19dBm
Test Date:	2023-06-22

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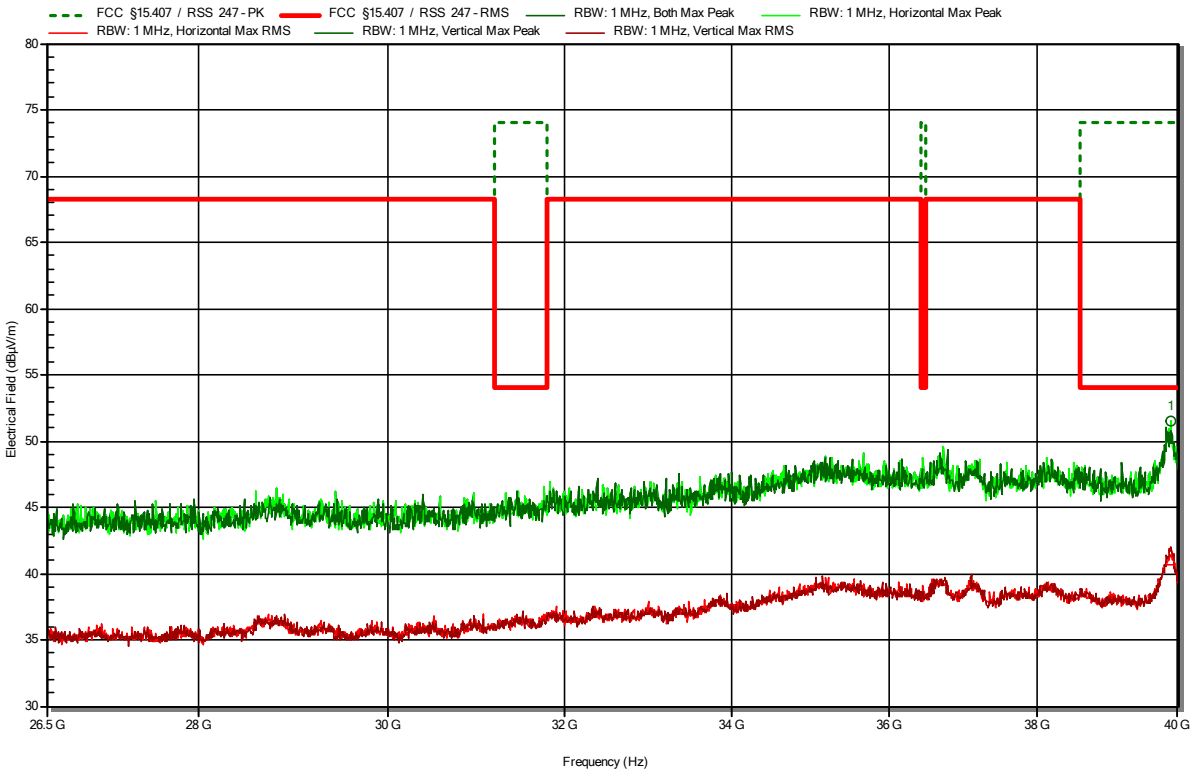
RadiMation

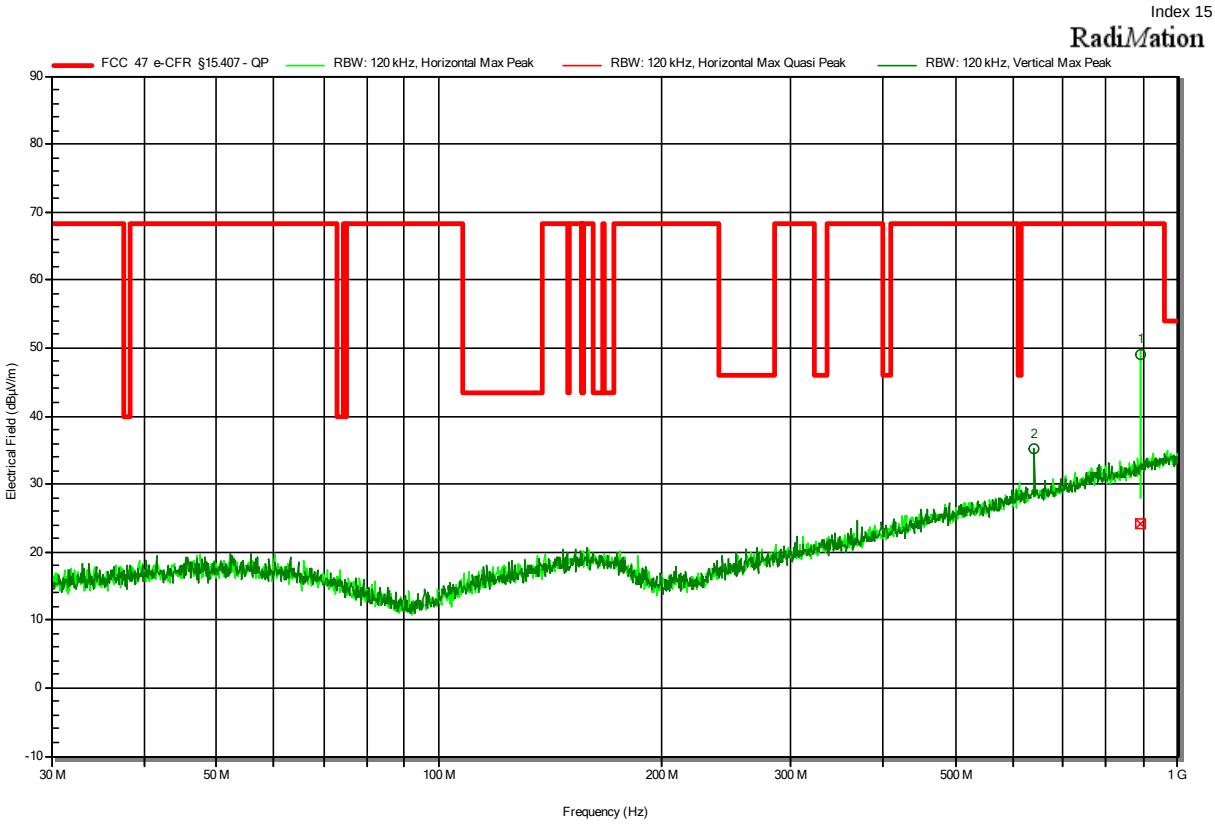


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
39.897 GHz	51.51 dBµV/m	74 dBµV/m	-22.49 dB	Pass	Horizontal

Frequency	RMS	RMS Limit	RMS Difference	RMS Status	Polarization
39.897 GHz	41.05 dBµV/m	54 dBµV/m	-12.95 dB	Pass	Horizontal

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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Schwarzbeck VULB 9168
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11ac, 5240 MHz, MCS-0, VHT20
Test Date:	2023-06-05

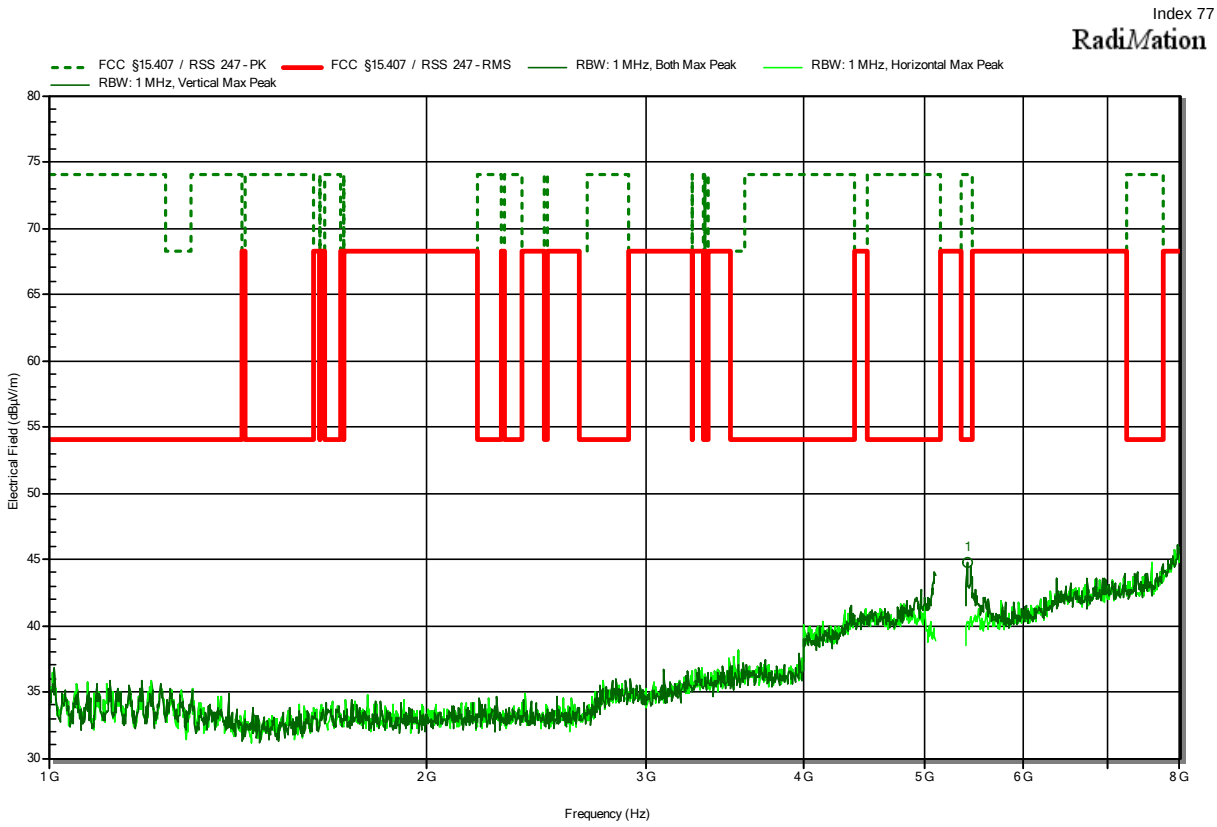


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
640.0088 MHz	35.2 dBµV/m	68.2 dBµV/m	-33.04 dB	Pass	Vertical
890.8993 MHz	49 dBµV/m	68.2 dBµV/m	-19.15 dB	Pass	Horizontal

Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
890.8993 MHz	24.2 dBµV/m	68.2 dBµV/m	-44.03 dB	Pass	Horizontal

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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 1.8 VDC_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:	2023-06-12



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
5.409 GHz	44.73 dBµV/m	74 dBµV/m	-29.27 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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 1.8 VDC_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:	2023-06-12
Note:	lower band area

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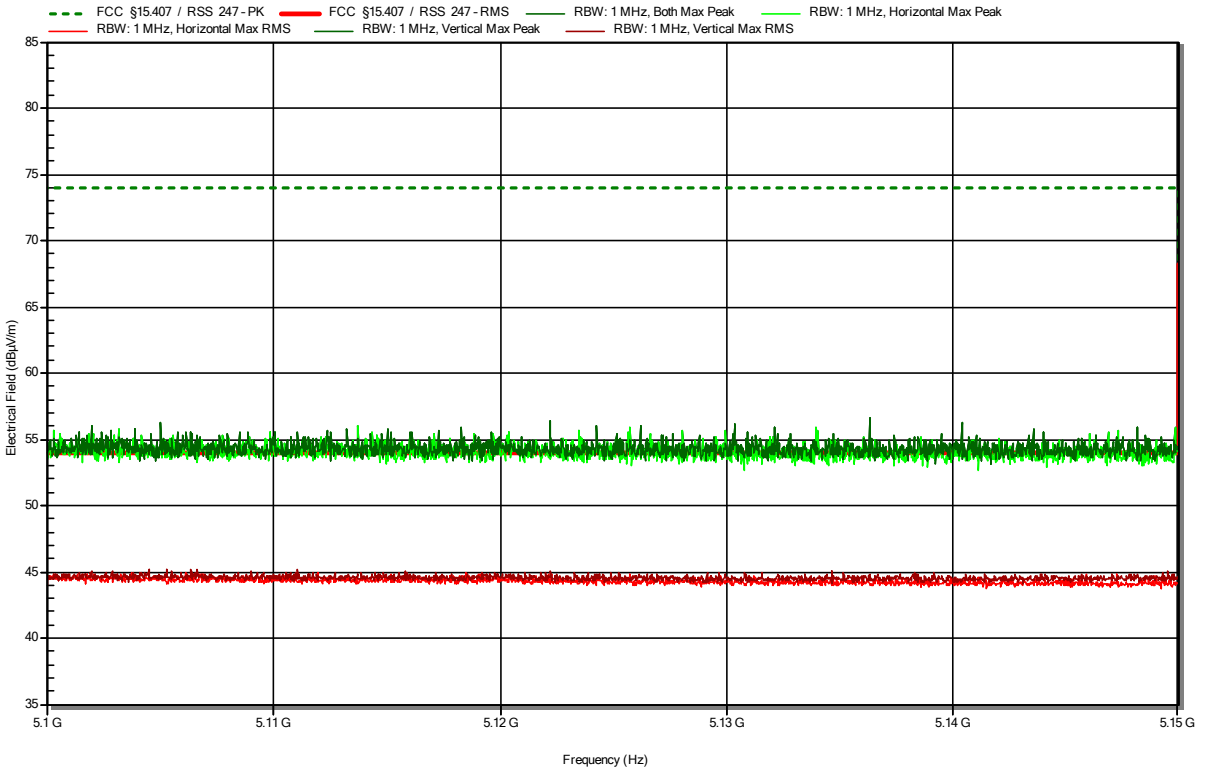
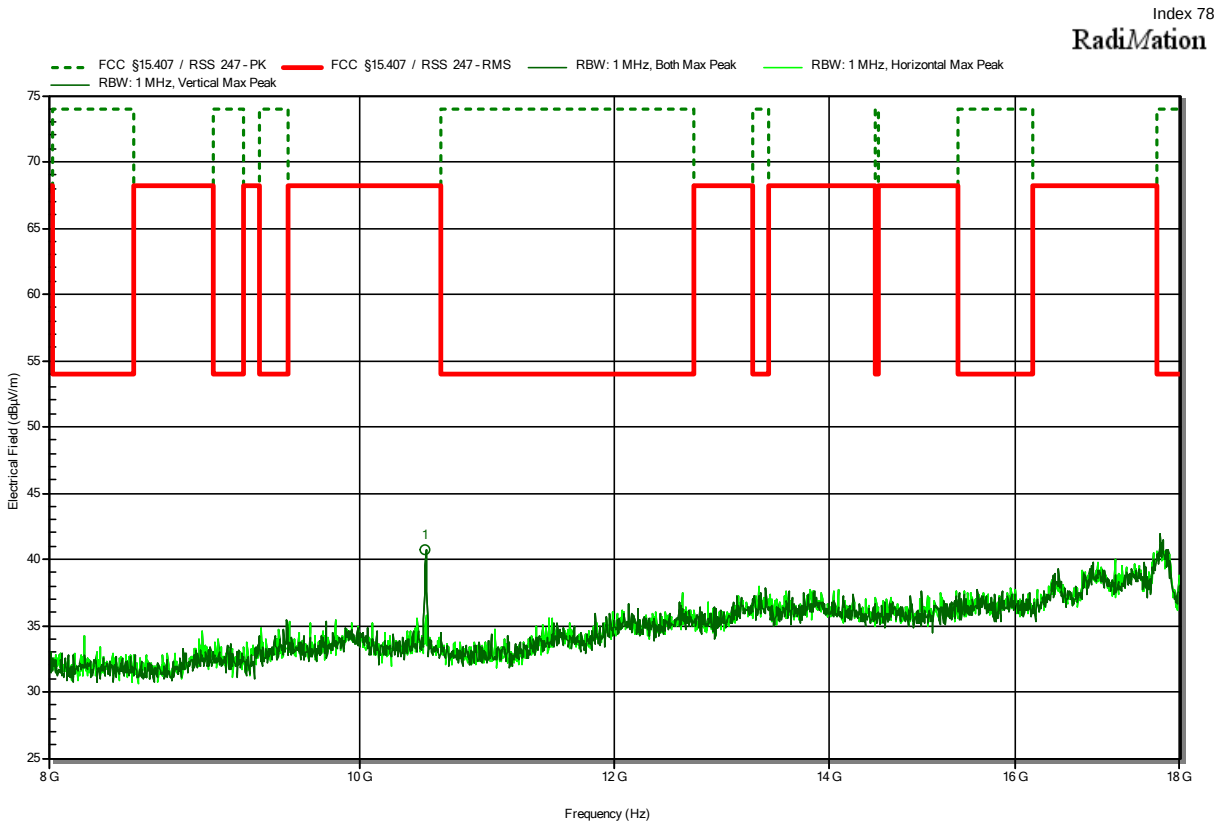


Radiated Spurious Emissions according to 47 CFR Part 15.247, 47 CFR Part 15.407

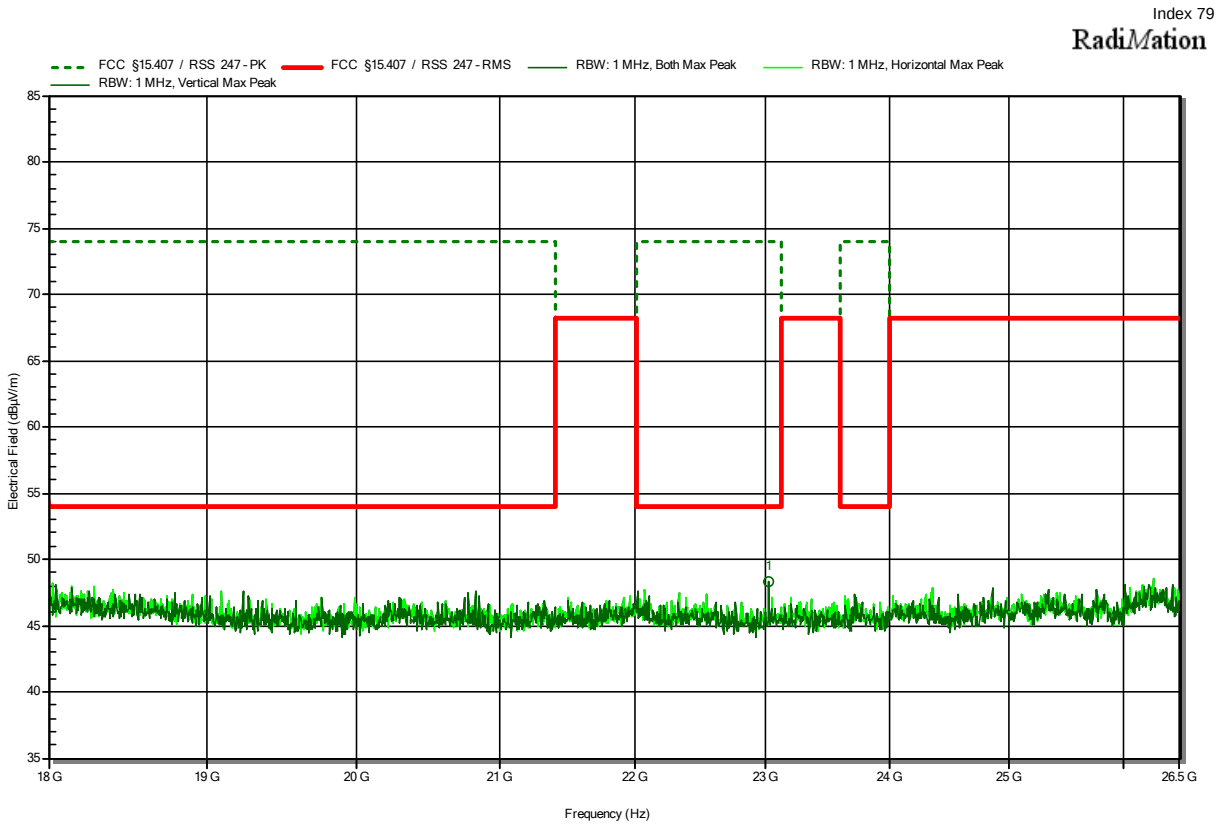
Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 1.8 VDC_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:	2023-06-12



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
10.48 GHz	40.75 dBµV/m	68.2 dBµV/m	-27.45 dB	Pass	Vertical

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

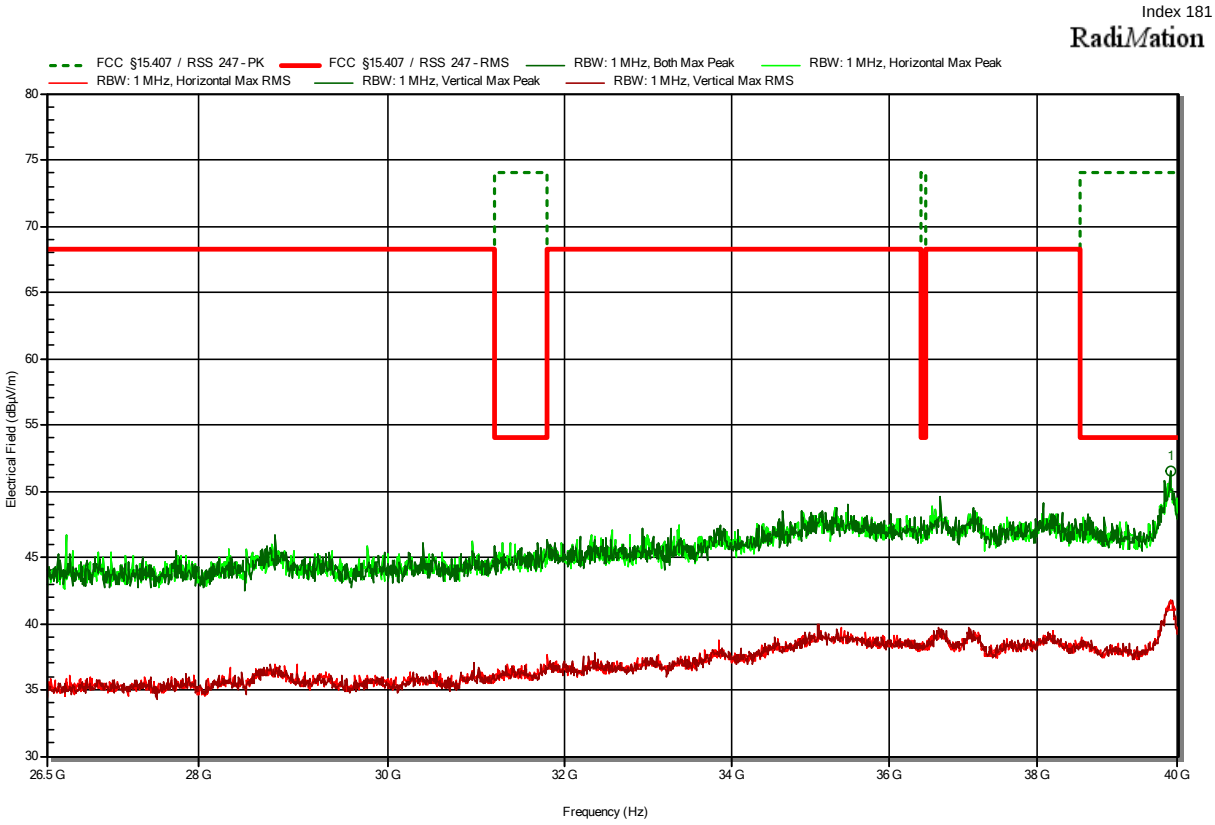
Project Number:	G0M-2302-1881
Applicant:	u-blox Malmö AB
Model Description:	Host-based multiradio module
Model:	MAYA-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 1.8 VDC_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:	2023-06-12



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
23.019 GHz	48.29 dBµV/m	74 dBµV/m	-25.71 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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Flann 22240-25
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5240 MHz, MCS 0, VHT20, P=19dBm
Test Date:	2023-06-22

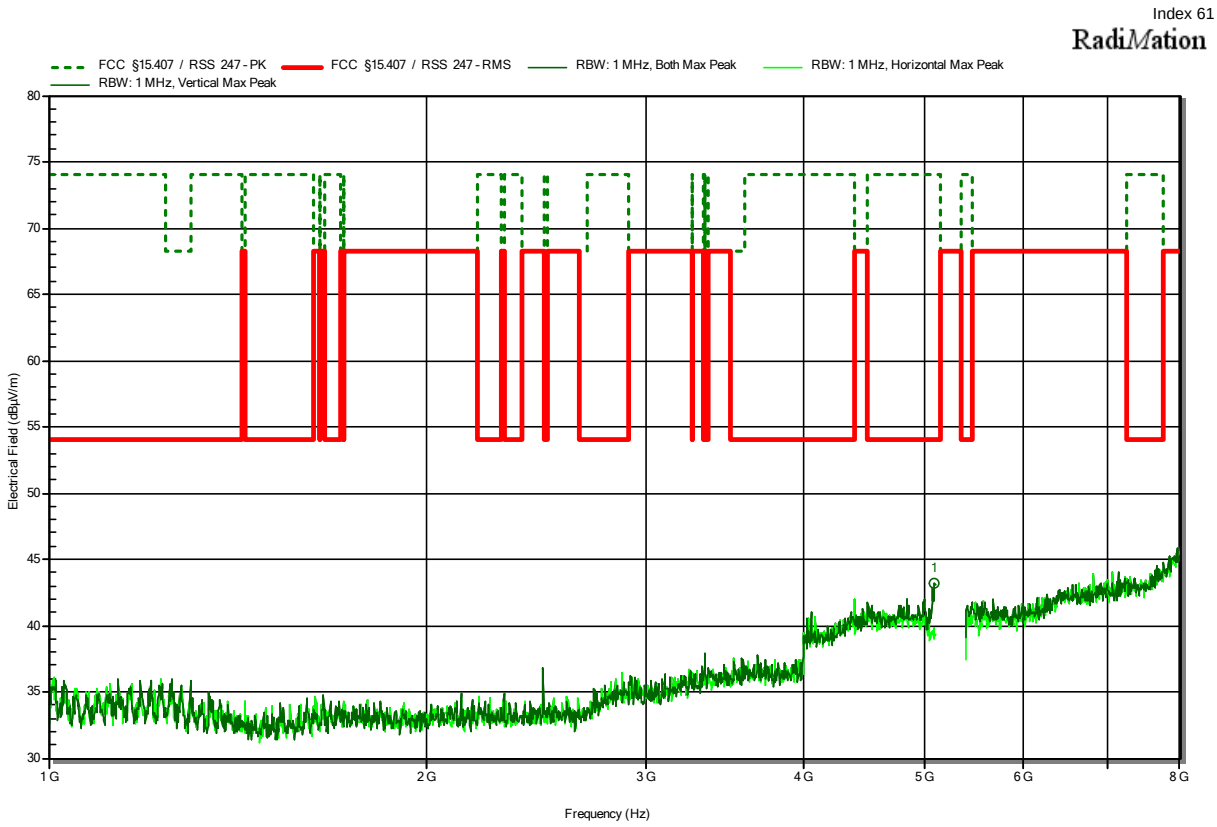


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
39.886 GHz	51.48 dBµV/m	74 dBµV/m	-22.52 dB	Pass	Vertical

Frequency	RMS	RMS Limit	RMS Difference	RMS Status	Polarization
39.886 GHz	41.34 dBµV/m	54 dBµV/m	-12.66 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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5190 MHz, MCS 0, VHT40, P=14dBm
Test Date:	2023-06-09



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
5.096 GHz	43.16 dBµV/m	74 dBµV/m	-30.84 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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5190 MHz, MCS 0, VHT40, P=14dBm
Test Date:	2023-06-09
Note:	lower band area

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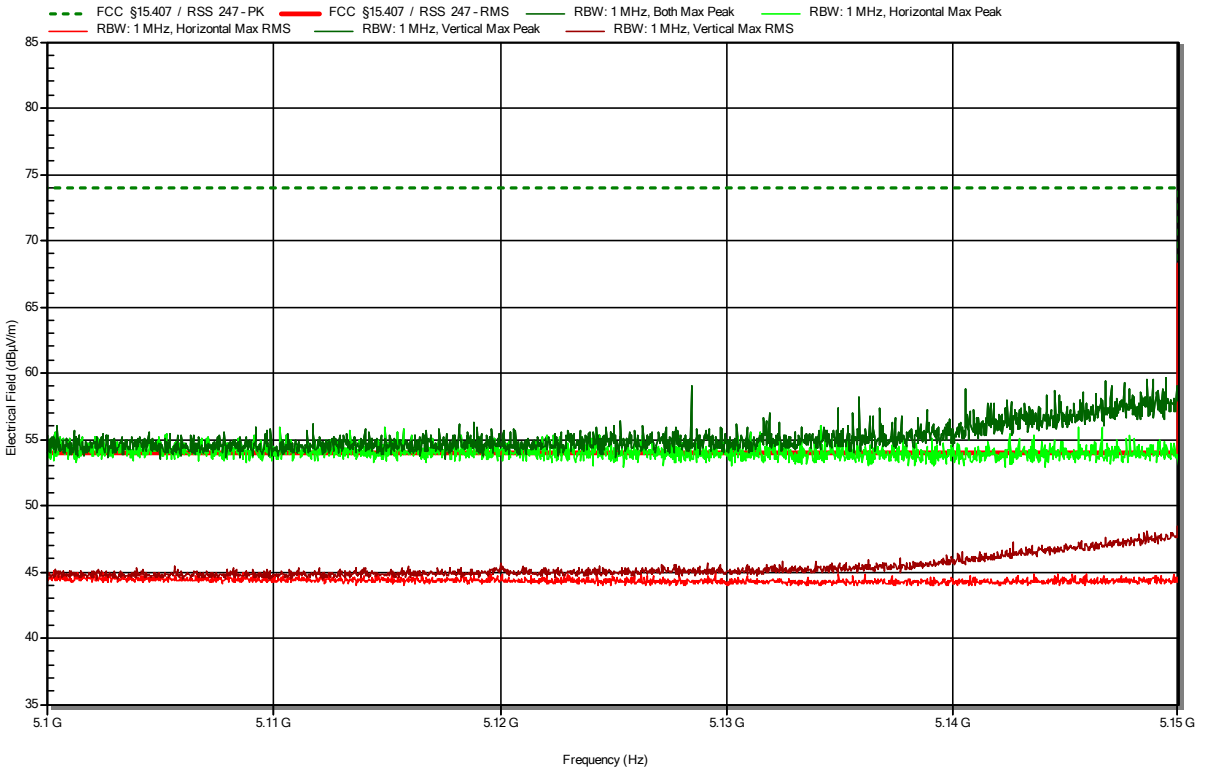
RadiMation



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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 23 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 ac, 5190 MHz, MCS 0, VHT40, P=14dBm
Test Date:	2023-06-09

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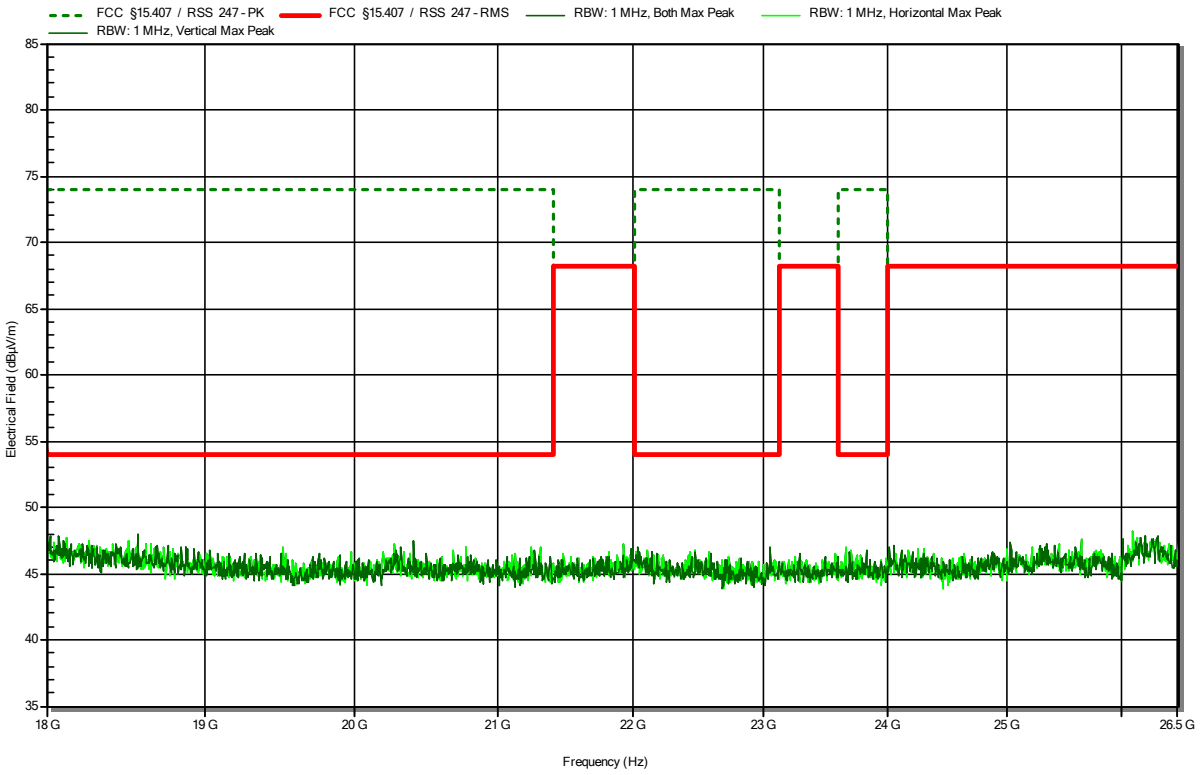
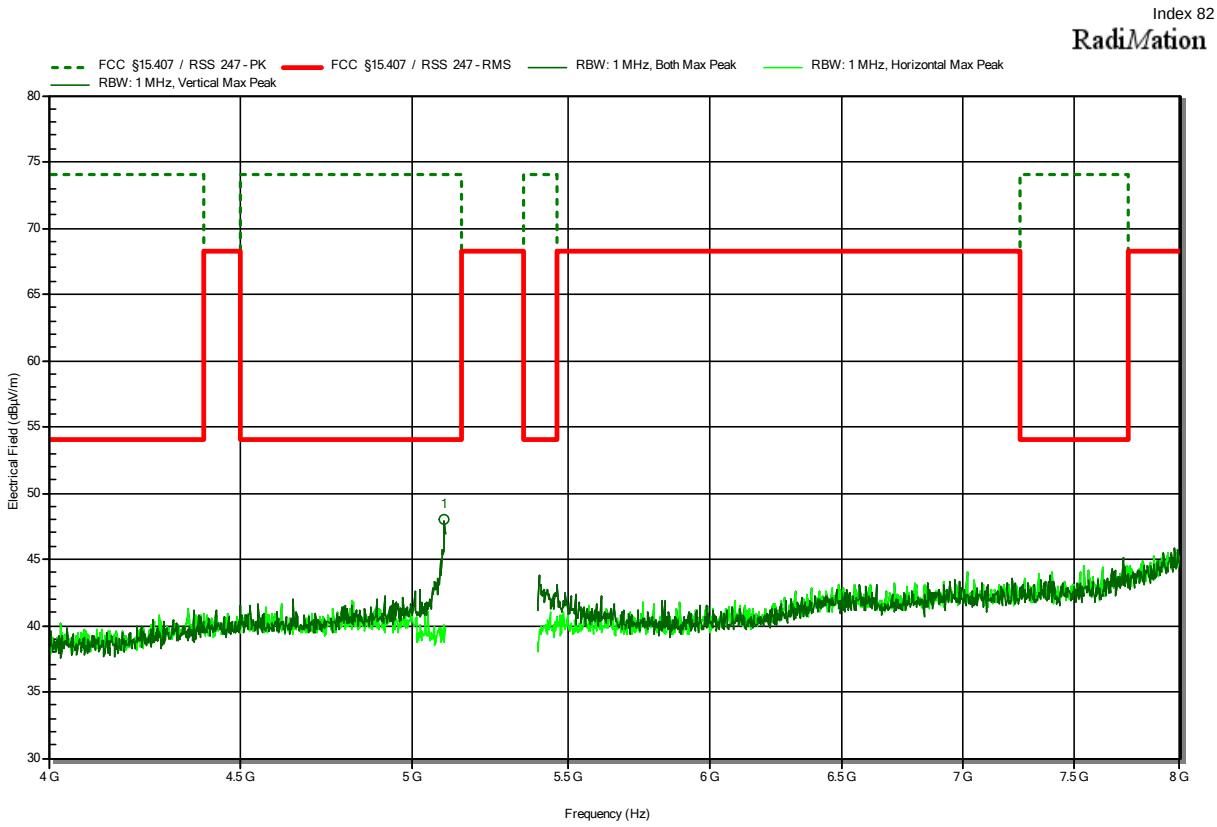
RadiMation



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-W276-00B
Test Sample ID:	43225
Test Site:	Eurofins Product Service GmbH
Operator:	Godson Offorji
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 1.8 VDC_3.3 VDC
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; IEEE 802.11 n, 5230 MHz, MCS 5, HT40, P=19dBm
Test Date:	2023-06-12



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
5.098 GHz	47.95 dBµV/m	74 dBµV/m	-26.05 dB	Pass	Vertical