



FCC/ISED - TEST REPORT

Report Number : **6895025054701** Date of Issue: **2025-07-01**

Model/HVIN : **V8260**

Product Type : Eufymake UV printer E1

Applicant : Anker Innovations Limited

Address : Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road,
Central and Western District, HONG KONG

Manufacturer : Anker Innovations Limited

Address : Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road,
Central and Western District, HONG KONG

Test Result : **Positive** **Negative**

Total pages including Appendices : **99**

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2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen City, 518052, P. R. China

Telephone: 86 755 8828 6998

Fax: 86 755 828 5299

FCC Registration No.: 514049

FCC Designation No.: CN5009

IC Registration No.: 10320A

ISED CAB identifier: CN0077

3 Description of the Equipment Under Test

Product:	Eufymake UV printer E1
Model no.:	V8260
FCC ID:	2AOKB-V8260
IC:	23451-V8260
PMN:	UV Printer
HVIN:	V8260
Software	V3.0.11
Rating:	24VDC, 2.75A, 66W
Adapter Information:	Manufacturer: SHENZHEN TEKA TECHNOLOGY CO., LTD Model No.: TEKA060-2402750 Input: 100-240VAC, 50/60Hz, 1.4A Output: 24VDC, 2.75A, 66W
RF Transmission Frequency:	2412MHz-2462MHz for 802.11b/g/n20 /n40 /ax20/ ax40 The 802.11ax mode only supports full RU and doesn't support partial RU.
No. of Operated Channel:	11
Modulation:	802.11b: BPSK, QPSK, CCK, 802.11g/802.11n20/802.11n40: BPSK, QPSK, 16-QAM, 64-QAM 802.11ax20/ax40: BPSK, QPSK, 16-QAM, 64-QAM/256-QAM/1024-QAM
Antenna Type:	FPC Antenna
Antenna Gain:	3.90dBi
S/N	N/A
Description of the EUT:	The Equipment Under Test (EUT) is a Eufymake UV printer E1 supports Bluetooth Low Energy / Wi-Fi functions
Remark:	This report is only for 2.4GHz Wi-Fi.



4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2023 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators
RSS-Gen Issue 5 April 2018 Amendment 1 March 2019 + Amendment 2 February 2021	General Requirements for Compliance of Radio Apparatus
RSS-247 Issue 3 August 2023	Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and License-Exempt Local Area Network (LE- LAN) Devices

All the test methods were according to KDB 558074 D01 15.247 Meas Guidance v05r02 Measurement Guidance and ANSI C63.10-2020.

5 Summary of Test Results

Technical Requirements			
FCC Part 15 Subpart C/ RSS-247 Issue 3/RSS-Gen Issue 5			
Test Condition		Test Site	Test Result
§15.207 & RSS-GEN 8.8	Conducted emission AC power port	Site 1	Pass
§15.247 (b) (3) & RSS-247 5.4(d)	Conducted peak output power	Site 1	Pass
RSS-247 5.4(d)	Equivalent Isotropic Radiated Power	Site 1	Pass
§15.247(a)(2) & RSS-247 5.2(a) & RSS-GEN 6.7	6dB bandwidth and 99% Occupied Bandwidth	Site 1	Pass
§15.247(e) & RSS-247 5.2(b)	Power spectral density	Site 1	Pass
§15.247(d) & RSS-247 5.5	Spurious RF conducted emissions	Site 1	Pass
§15.247(d) & RSS-247 5.5	Band edge	Site 1	Pass
§15.247(d) & §15.209 & §15.205 & RSS-247 5.5 & RSS-Gen 6.13	Spurious radiated emissions for transmitter	Site 1	Pass
§15.203 & RSS-Gen 6.8	Antenna requirement	See note 2	Pass

Note 1: N/A=Not Applicable.

Note 2: The EUT uses an Internal Integrated FPC Antenna, which gain is 3.90dBi. In accordance to §15.203 & RSS-Gen 6.8, it is considered sufficiently to comply with the provisions of this section.

6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: 2AOKB-V8260, complies with Section 15.207, 15.209, 15.205, 15.247 of the FCC Part 15, Subpart C.

This submittal(s) (test report) is intended for IC:23451-V8260, complies with RSS-247, RSS-GEN.

The Model: V8260 supports Bluetooth Low Energy/Wi-Fi functions, power by 24VDC. The TX and RX range is 2402MHz-2480MHz for Bluetooth, 2412MHz – 2462MHz for 2.4GHz Wi-Fi, 5180MHz – 5320MHz, 5500MHz – 5700MHz, 5745MHz – 5825MHz for 5GHz Wi-Fi. (This device shall not be capable of transmitting in the band 5600-5650MHz for Canada. This restriction is for the protection of Terminal Doppler Weather Radar (TDWR) operating in this band.)

This report is for the 2.4GHz Wi-Fi part.

SUMMARY:

All tests according to the regulations cited on page 6 were

- Performed
- **Not** Performed

The Equipment Under Test

- **Fulfills** the general approval requirements.
- **Does not** fulfill the general approval requirements.

Sample Received Date: 2025-04-20

Testing Start Date: 2025-04-27

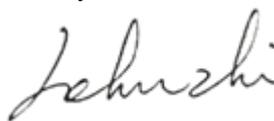
Testing End Date: 2025-05-10

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

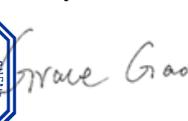
Reviewed by:

Prepared by:

Tested by:



John Zhi
Project Manager

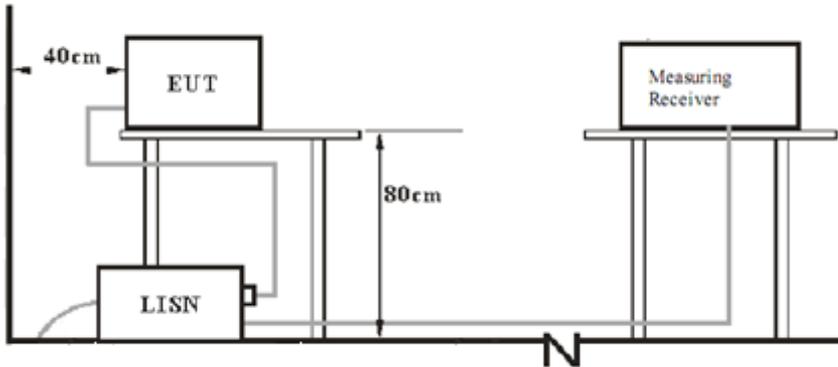
Grace Gao
Project Engineer



Carry Cai
Test Engineer

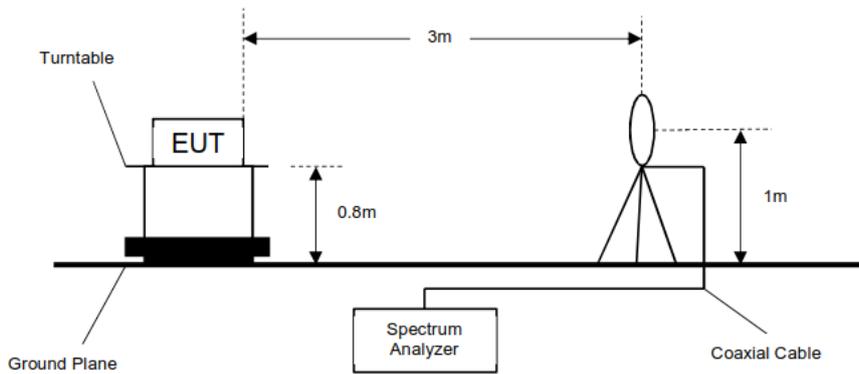
7 Test Setups

7.1 AC Power Line Conducted Emission test setups

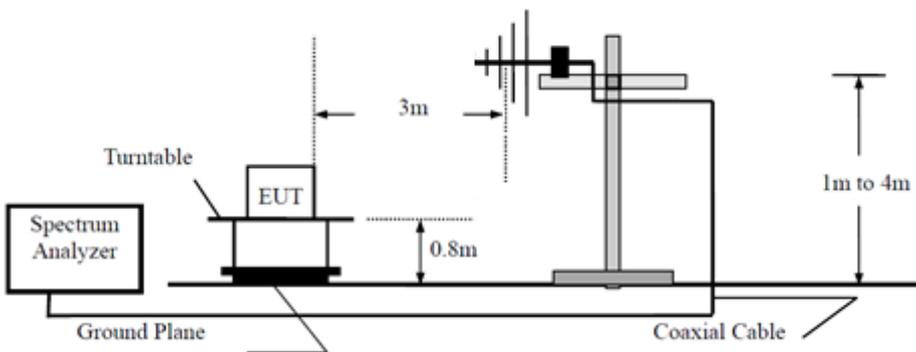


7.2 Radiated test setups

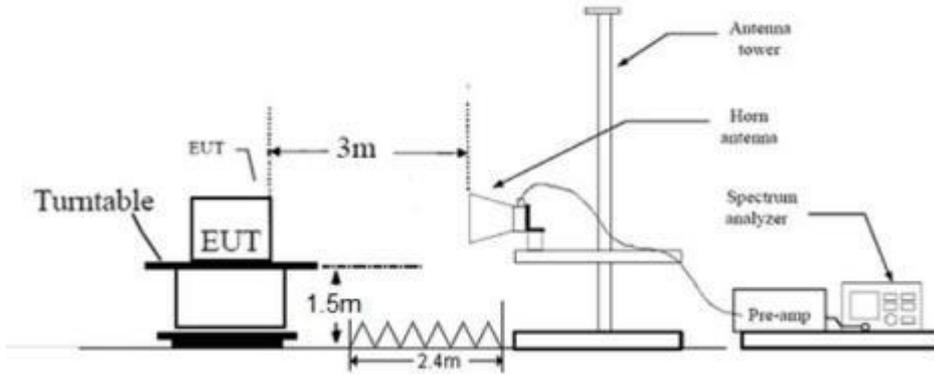
9kHz - 30MHz



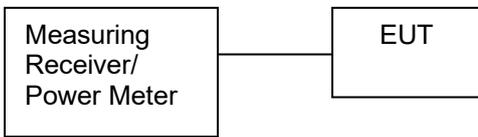
30MHz - 1GHz



Above 1GHz



7.3 Conducted RF test setups



8 Systems Test Configuration

Auxiliary Equipment Used during Test:

Description	Manufacturer	Model NO.	S/N
Laptop	HP Inc	HP ProBook 445 G10	/
Router	ZTE	ZXHN F670	ZTEGC83987BB

Test Channel information:

Test Mode	Channel (MHz)		
802.11b	CH 1: 2412MHz	CH 6: 2437MHz	CH 11: 2462MHz
802.11g	CH 1: 2412MHz	CH 6: 2437MHz	CH 11: 2462MHz
802.11n20	CH 1: 2412MHz	CH 6: 2437MHz	CH 11: 2462MHz
802.11n40	CH 3: 2422MHz	CH 6: 2437MHz	CH 9: 2452MHz
802.11ax20	CH 1: 2412MHz	CH 6: 2437MHz	CH 11: 2462MHz
802.11ax40	CH 3: 2422MHz	CH 6: 2437MHz	CH 9: 2452MHz

Test software information:

Test Software Version	SecureCRT.exe			
Mode	Channel(MHz)	RU Tone	Setting TX Power	Data Rate
11b	2412	/	20	11b LONG 1 Mbps
	2437	/	20	
	2462	/	20	
11g	2412	/	14	11g 6 Mbps
	2437	/	14	
	2462	/	14	
11n HT20	2412	/	14	MCS0 6.5 Mbps
	2437	/	14	
	2462	/	14	
11n HT40	2422	/	15	MCS0 13.5 Mbps (40MHz)
	2437	/	15	
	2452	/	15	
11ax HE20	2412	242 Tone	14	MCS0 8 Mbps
	2437	242 Tone	14	
	2462	242 Tone	14	
11ax HE40	2422	484 Tone	15	MCS0 16 Mbps
	2437	484 Tone	15	
	2452	484 Tone	15	

9 Technical Requirement

9.1 Conducted Emission

Test Method

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. Both sides of AC line were checked for maximum conducted interference.
6. The frequency range from 150 kHz to 30 MHz was searched.
7. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

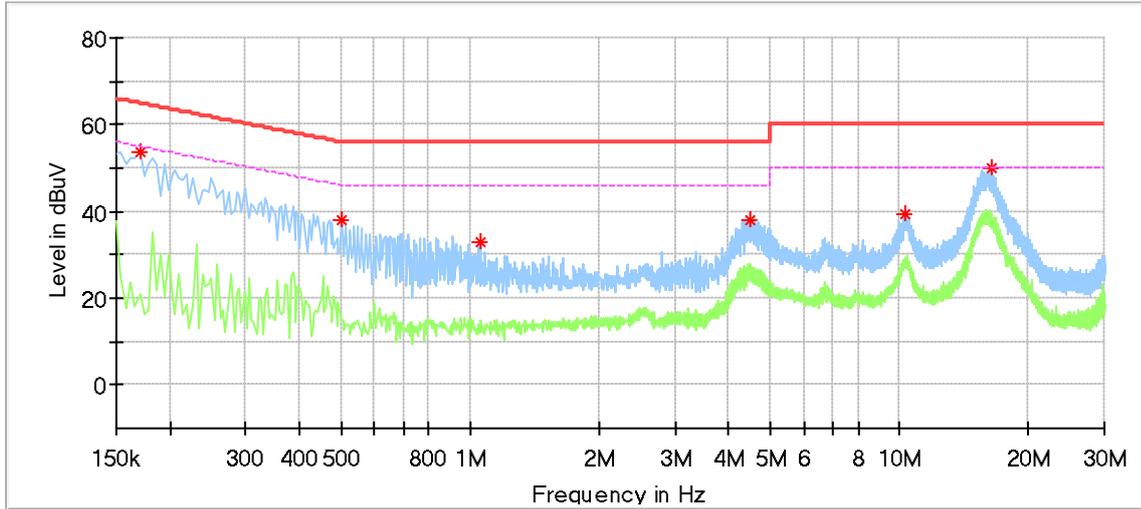
Limit

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

Conducted Emission

Product Type : Eufymake UV printer E1
 M/N : V8260
 Operating Condition : Transmitting
 Test Specification : Line
 Comment : 24VDC Power by external adaptor (AC 120V/60Hz)



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.170000	53.76	---	64.96	11.20	L1	9.67
0.502000	38.12	---	56.00	17.88	L1	9.67
1.058000	33.07	---	56.00	22.93	L1	9.68
4.494000	38.19	---	56.00	17.81	L1	9.77
10.254000	39.21	---	60.00	20.79	L1	9.91
16.342000	50.08	---	60.00	9.92	L1	10.02

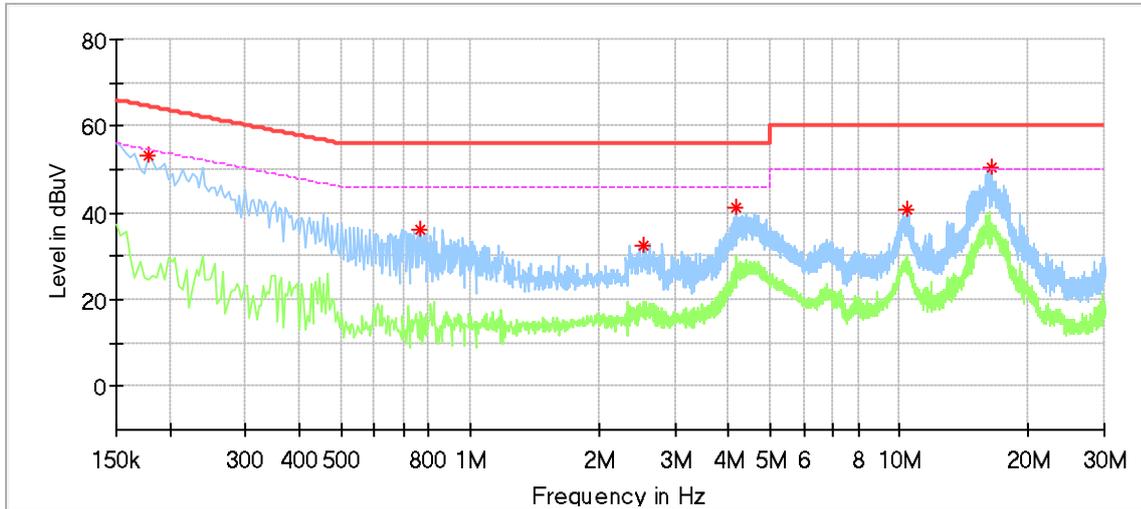
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
---	---	---	---	---	---	---

Remark:
 Level=Reading Level + Correction Factor
 Correction Factor=Cable Loss + LISN Factor
 (The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Product Type : Eufymake UV printer E1
 M/N : V8260
 Operating Condition : Transmitting
 Test Specification : Neutral
 Comment : 24VDC Power by external adaptor (AC 120V/60Hz)



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.178000	53.22	---	64.58	11.36	N	9.66
0.766000	35.96	---	56.00	20.04	N	9.67
2.530000	32.46	---	56.00	23.54	N	9.72
4.182000	41.24	---	56.00	14.76	N	9.76
10.434000	40.95	---	60.00	19.05	N	9.91
16.342000	50.51	---	60.00	9.49	N	10.02

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
---	---	---	---	---		---

Remark:

Level=Reading Level + Correction Factor

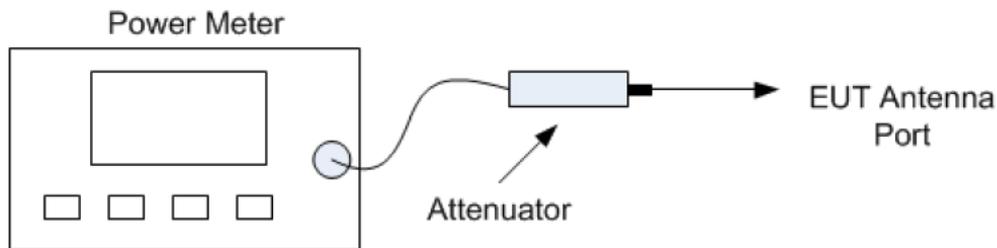
Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

9.2 Conducted Output Power

Test Method

- 1) The EUT is configured to transmit continuously, or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- 4) Measure the peak power of the transmitter. This measurement is a peak over both the ON and OFF periods of the transmitter.



Power meter conducted test setup

Limits

According to §15.247 (b) (3) & RSS-247 5.4(d), conducted output power limit as below:

Frequency Range MHz	Limit W	Limit dBm
2400-2483.5	≤1	≤30

According to & RSS-247 5.4(d), EIRP limit as below:

Frequency Range MHz	Limit W	Limit dBm
2400-2483.5	≤4	≤36



Test result as below table

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PK Conducted Output Power (dBm)		Verdict
					ANT	Limit	
802.11b	SISO	2412	/	/	19.66	<=30	Pass
		2437	/	/	19.72	<=30	Pass
		2462	/	/	18.89	<=30	Pass
802.11g	SISO	2412	/	/	15.06	<=30	Pass
		2437	/	/	15.10	<=30	Pass
		2462	/	/	14.01	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	14.83	<=30	Pass
		2437	/	/	14.91	<=30	Pass
		2462	/	/	13.84	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	15.32	<=30	Pass
		2437	/	/	15.18	<=30	Pass
		2452	/	/	15.22	<=30	Pass
802.11ax (HEW20)	SISO	2412	RU242	61	14.82	<=30	Pass
		2437	RU242	61	14.62	<=30	Pass
		2462	RU242	61	14.21	<=30	Pass
802.11n (HEW40)	SISO	2422	RU484	65	15.32	<=30	Pass
		2437	RU484	65	15.53	<=30	Pass
		2452	RU484	65	15.38	<=30	Pass

Note: ANT gain is 3.90 dBi

Mode	TX Type	Frequency (MHz)	RU	RU Pos	EIRP (dBm)		Verdict
					ANT	Limit	
802.11b	SISO	2412	/	/	23.56	<=36	Pass
		2437	/	/	23.62	<=36	Pass
		2462	/	/	22.79	<=36	Pass
802.11g	SISO	2412	/	/	18.96	<=36	Pass
		2437	/	/	19.00	<=36	Pass
		2462	/	/	17.91	<=36	Pass
802.11n (HT20)	SISO	2412	/	/	18.73	<=36	Pass
		2437	/	/	18.81	<=36	Pass
		2462	/	/	17.74	<=36	Pass
802.11n (HT40)	SISO	2422	/	/	19.22	<=36	Pass
		2437	/	/	19.08	<=36	Pass
		2452	/	/	19.12	<=36	Pass
802.11ax (HEW20)	SISO	2412	RU242	61	18.72	<=36	Pass
		2437	RU242	61	18.52	<=36	Pass
		2462	RU242	61	18.11	<=36	Pass
802.11n (HEW40)	SISO	2422	RU484	65	19.22	<=36	Pass
		2437	RU484	65	19.43	<=36	Pass
		2452	RU484	65	19.28	<=36	Pass

Note: ANT gain is 3.90 dBi



9.3 6dB Bandwidth

Test Method for 6 dB Bandwidth

1. The RF output of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
RBW=100KHz, VBW≥3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Use the automatic bandwidth measurement capability of an instrument, use the X dB bandwidth mode with X set to 6 dB.
5. Allow the trace to stabilize, record the 6 dB Bandwidth value.

Limit

Limit [kHz]

≥500

Test Method for 99 % Bandwidth

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times the OBW. Set RBW = 1 % to 5 % of the OBW
Set VBW ≥ 3 RBW Trace mode = max hold. Sweep = auto couple.
Allow the trace to stabilize.
3. Use the 99 % power bandwidth function of the instrument.
4. Record the results in the test report.

Limit

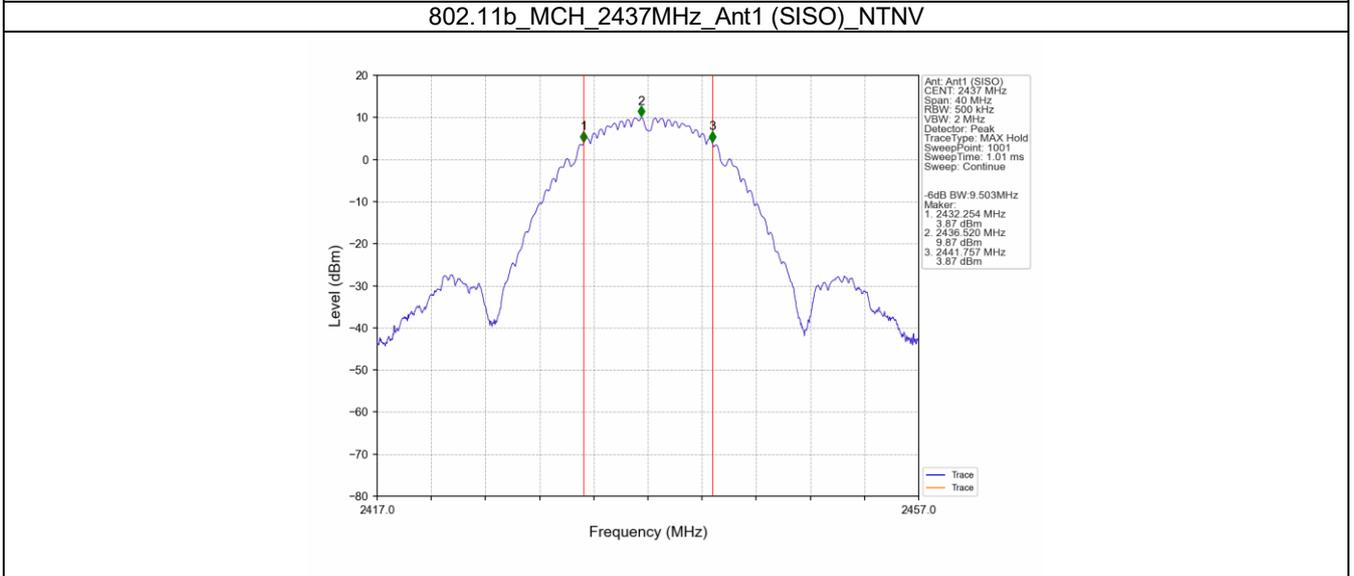
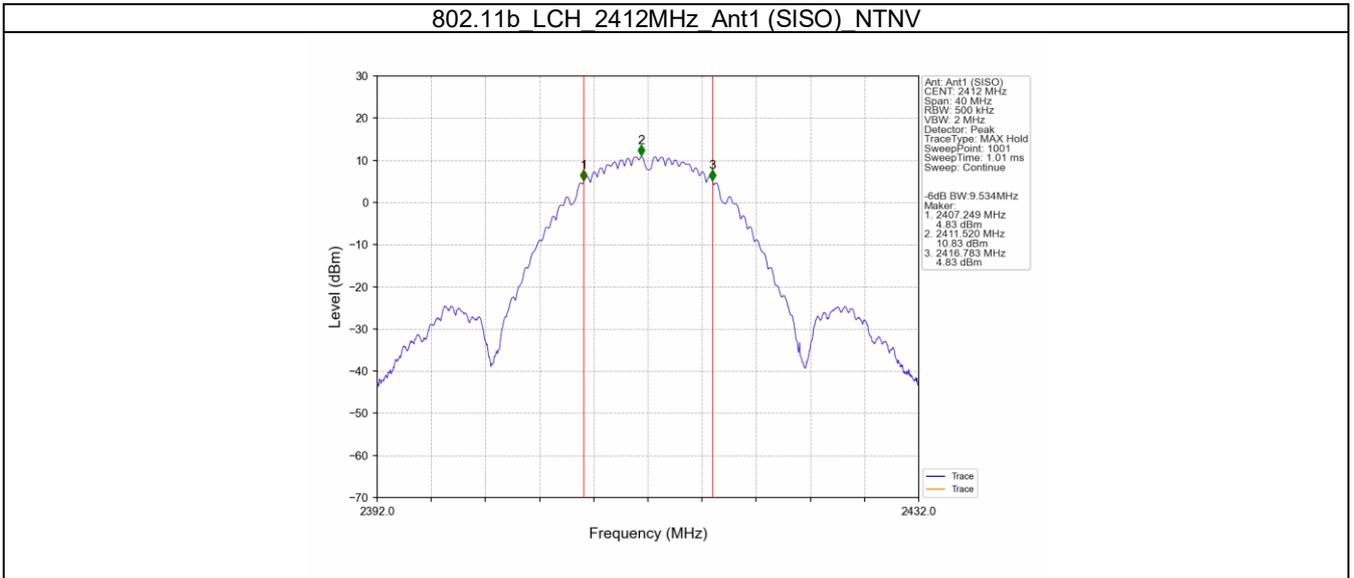
Limit [kHz]



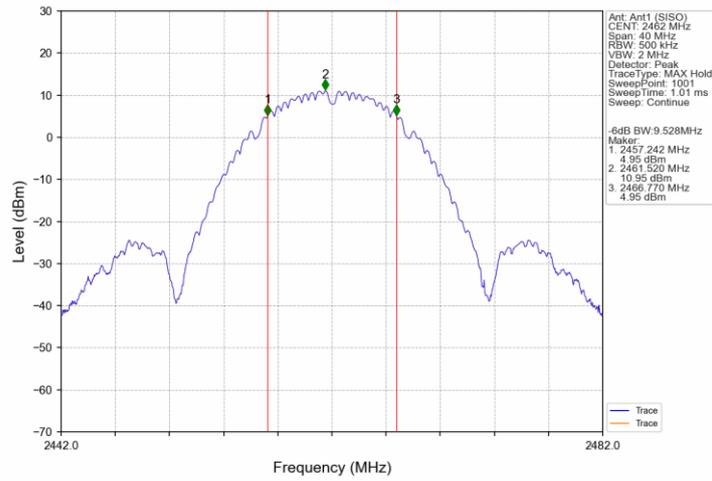
6 dB Bandwidth

Mode	TX Type	Frequency (MHz)	RU	RU Pos	6dB Bandwidth (MHz)		Verdict
					Result	Limit	
802.11b	SISO	2412	/	/	9.534	>=0.5	Pass
		2437	/	/	9.503	>=0.5	Pass
		2462	/	/	9.528	>=0.5	Pass
802.11g	SISO	2412	/	/	16.445	>=0.5	Pass
		2437	/	/	16.473	>=0.5	Pass
		2462	/	/	16.526	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	17.784	>=0.5	Pass
		2437	/	/	17.760	>=0.5	Pass
		2462	/	/	17.752	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	36.422	>=0.5	Pass
		2437	/	/	36.557	>=0.5	Pass
		2452	/	/	36.247	>=0.5	Pass
802.11ax (HEW20)	SISO	2412	RU242	61	19.005	>=0.5	Pass
		2437	RU242	61	18.921	>=0.5	Pass
		2462	RU242	61	18.965	>=0.5	Pass
802.11ax (HEW40)	SISO	2422	RU484	65	37.810	>=0.5	Pass
		2437	RU484	65	38.049	>=0.5	Pass
		2452	RU484	65	38.014	>=0.5	Pass

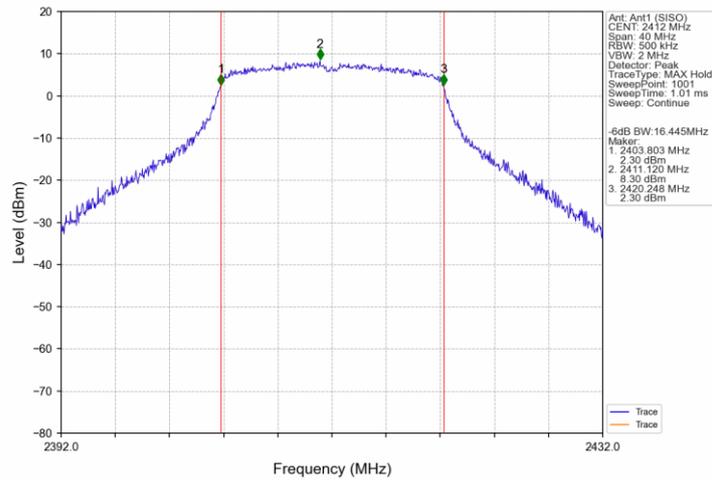
6 dB Bandwidth



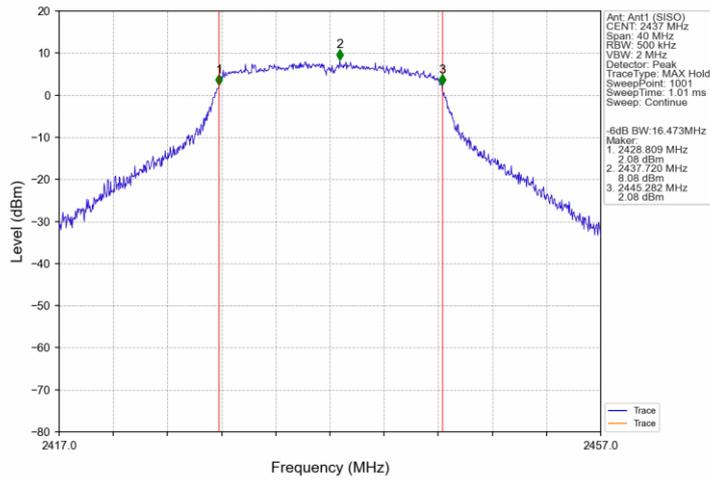
802.11b HCH 2462MHz Ant1 (SISO) NTVN



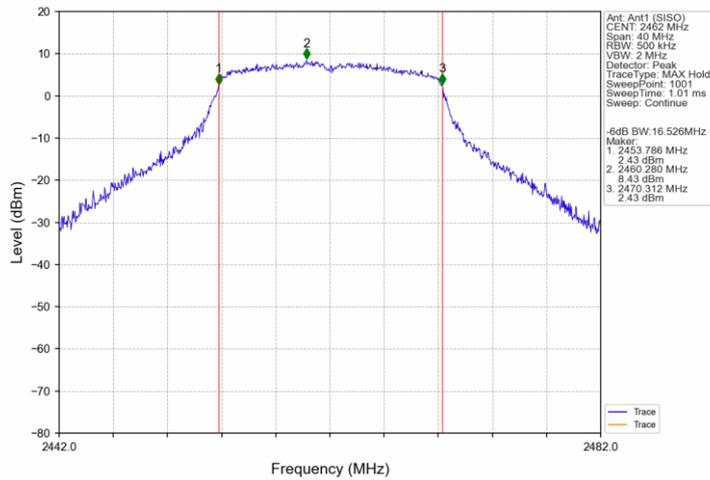
802.11g LCH 2412MHz Ant1 (SISO) NTVN



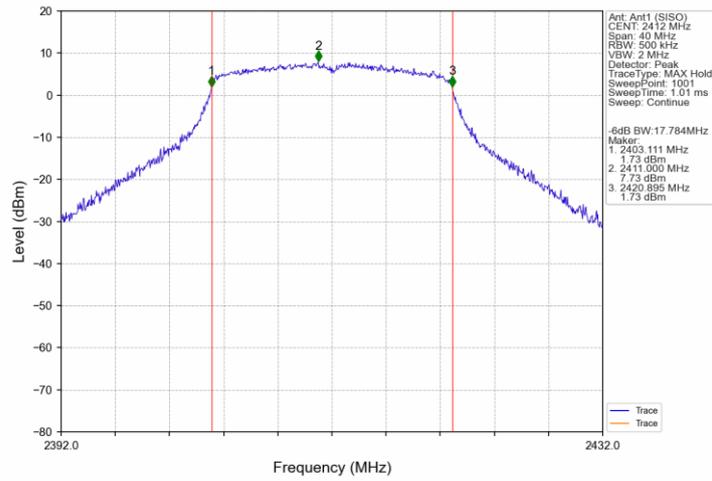
802.11g MCH 2437MHz Ant1 (SISO) NTV



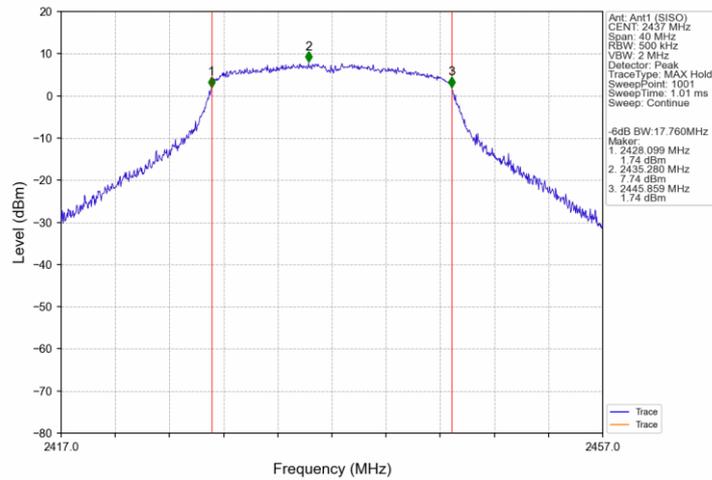
802.11g HCH 2462MHz Ant1 (SISO) NTV



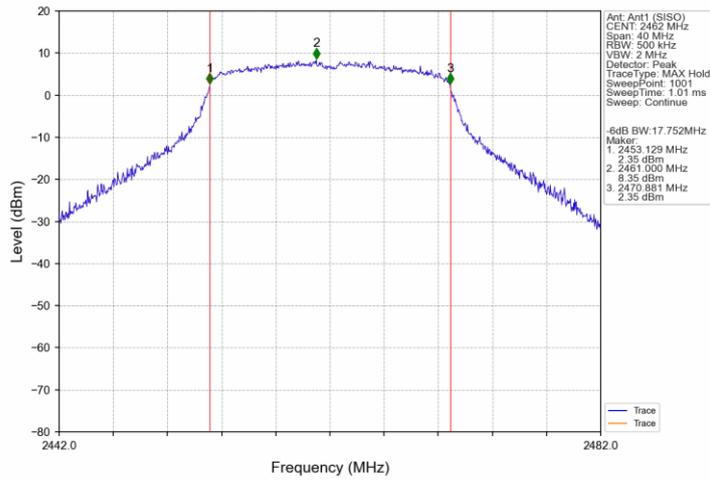
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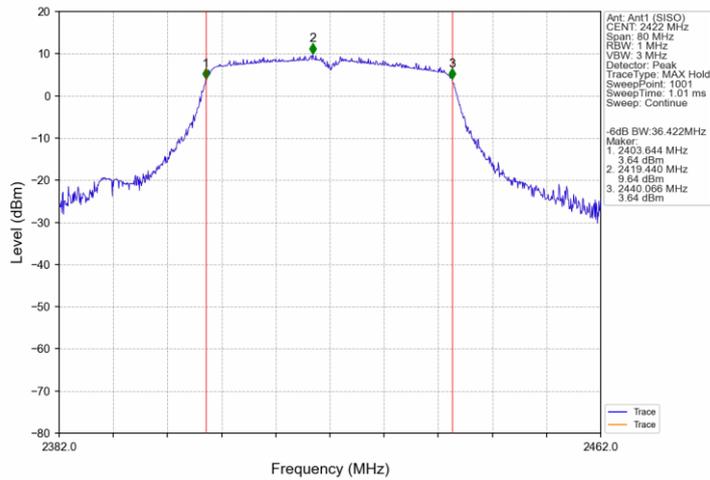
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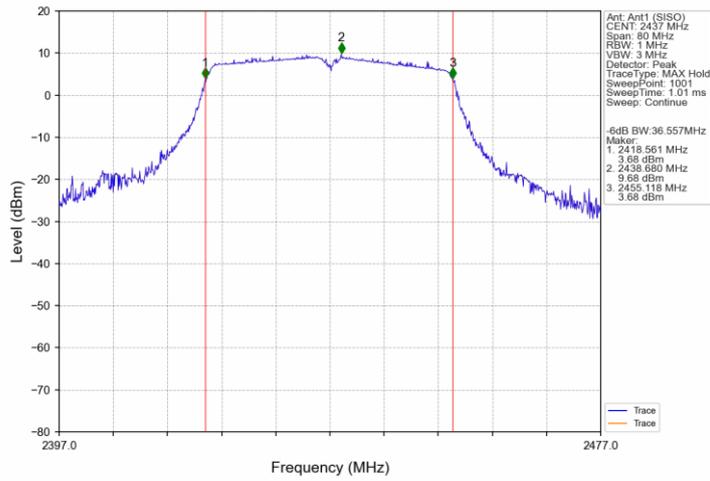
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



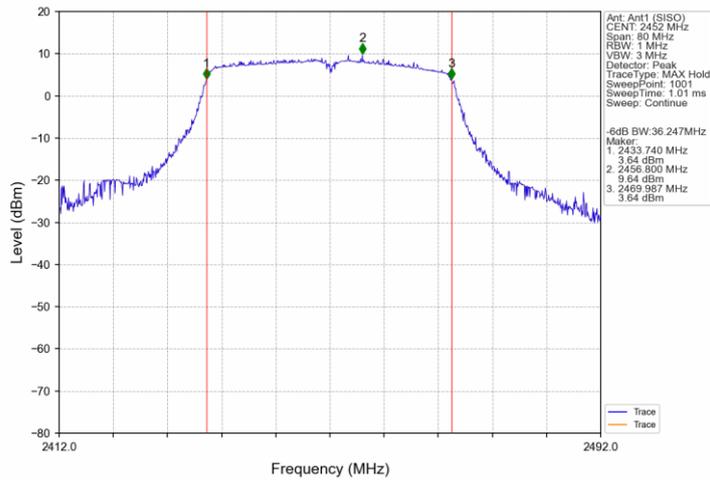
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



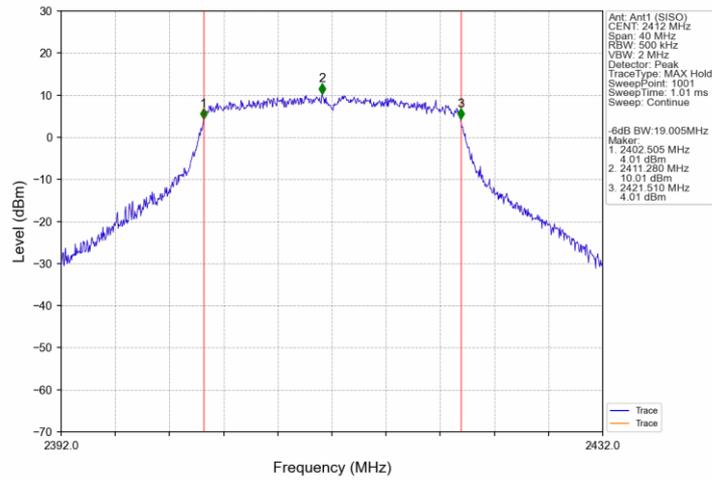
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



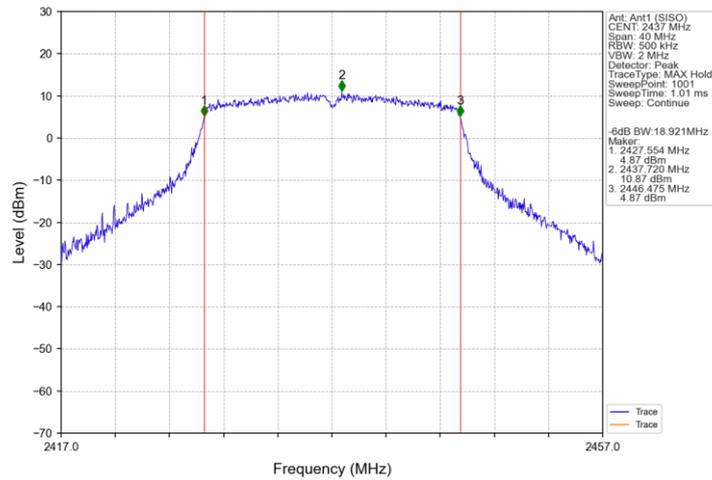
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



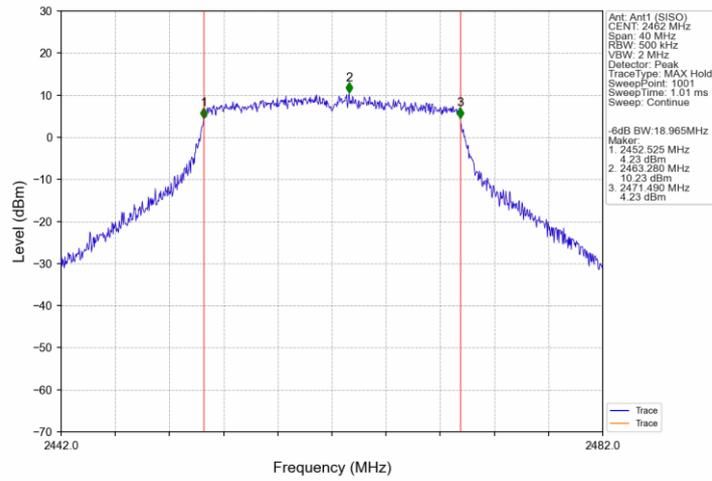
802.11ax(HEW20)_LCH_2412MHz_SU / Ant1 (SISO) NTN



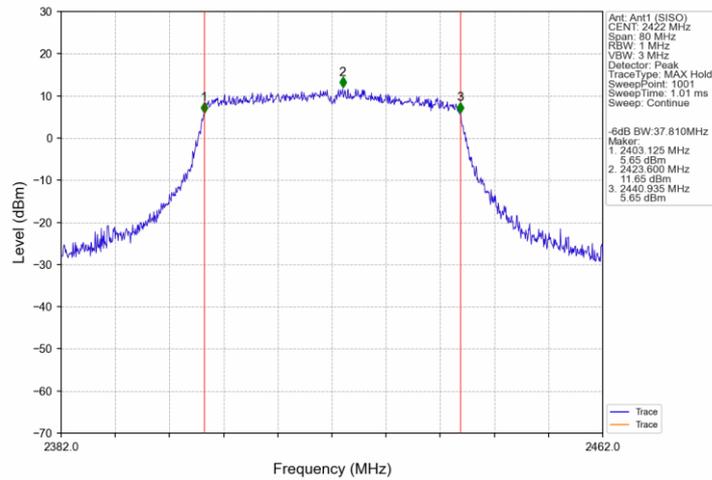
802.11ax(HEW20)_MCH_2437MHz_SU / Ant1 (SISO) NTN



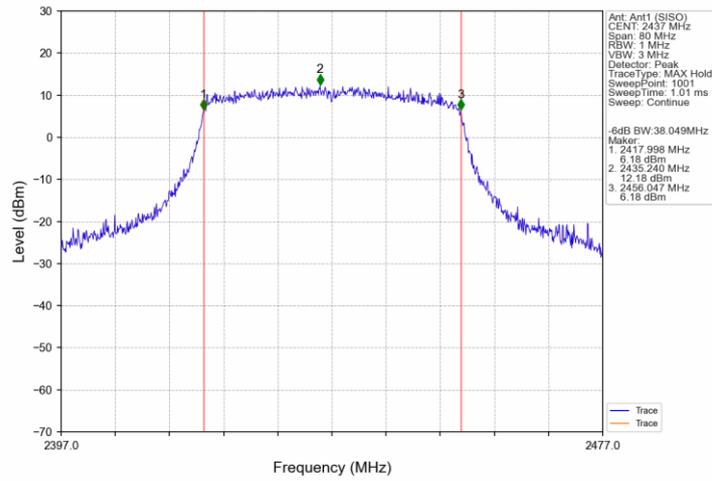
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTN



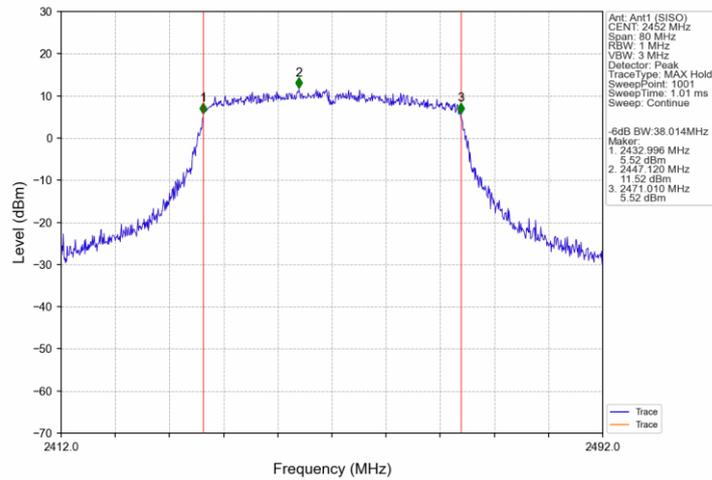
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) MCH 2437MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTN



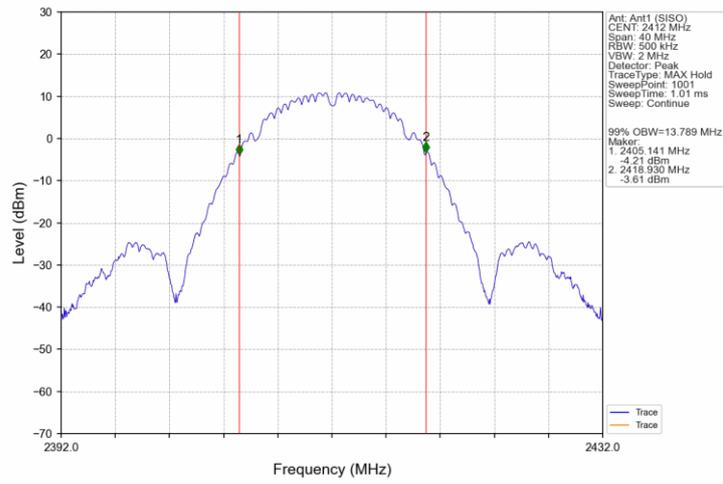


99% Bandwidth

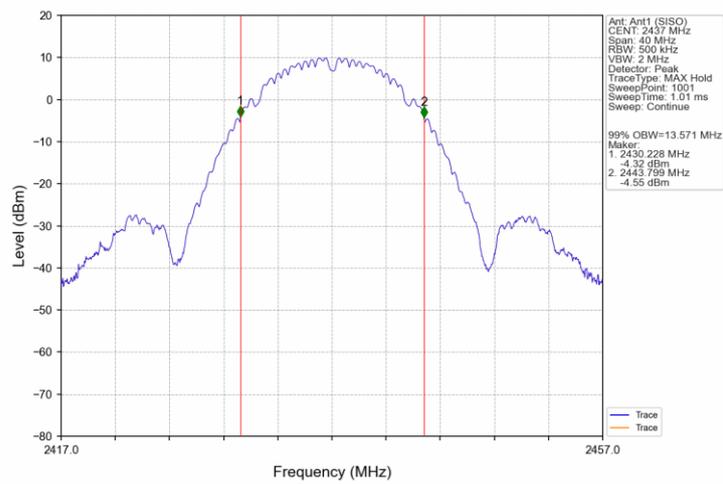
Mode	TX Type	Frequency (MHz)	RU	RU Pos	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
802.11b	SISO	2412	/	/	13.789	/	Pass
		2437	/	/	13.571	/	Pass
		2462	/	/	13.774	/	Pass
802.11g	SISO	2412	/	/	18.104	/	Pass
		2437	/	/	18.077	/	Pass
		2462	/	/	18.029	/	Pass
802.11n (HT20)	SISO	2412	/	/	19.193	/	Pass
		2437	/	/	19.333	/	Pass
		2462	/	/	19.173	/	Pass
802.11n (HT40)	SISO	2422	/	/	37.834	/	Pass
		2437	/	/	37.973	/	Pass
		2452	/	/	37.898	/	Pass
802.11ax (HEW20)	SISO	2412	RU242	61	19.675	/	Pass
		2437	RU242	61	19.665	/	Pass
		2462	RU242	61	19.649	/	Pass
802.11ax (HEW40)	SISO	2422	RU484	65	38.644	/	Pass
		2437	RU484	65	38.539	/	Pass
		2452	RU484	65	38.485	/	Pass

99% Bandwidth

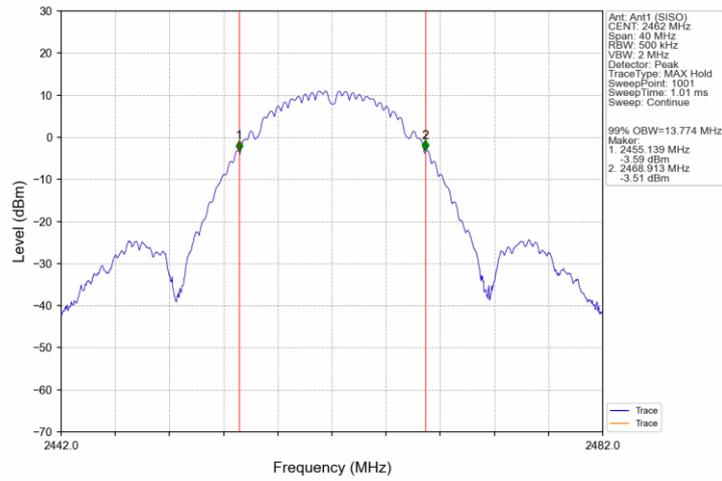
802.11b LCH 2412MHz Ant1 (SISO) NTN



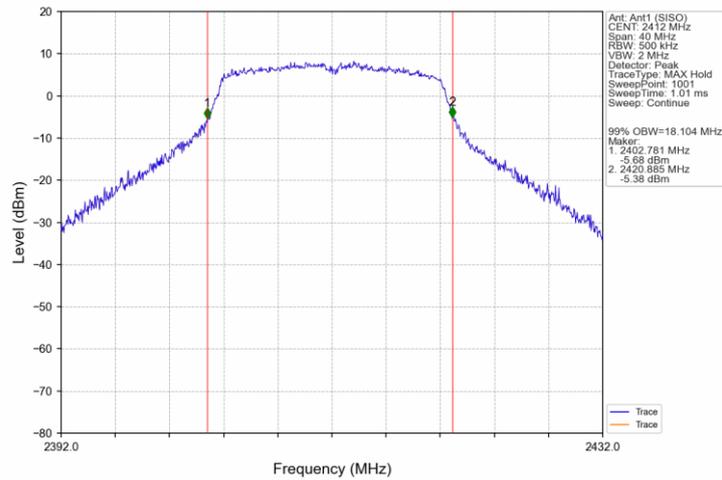
802.11b MCH 2437MHz Ant1 (SISO) NTN



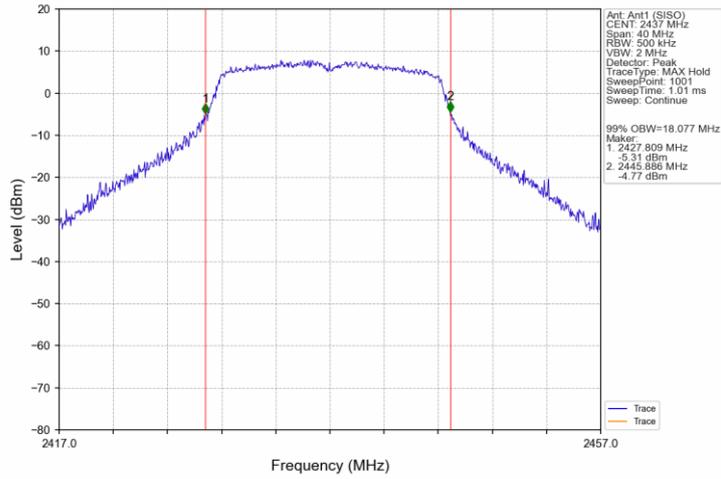
802.11b HCH 2462MHz Ant1 (SISO) NTVN



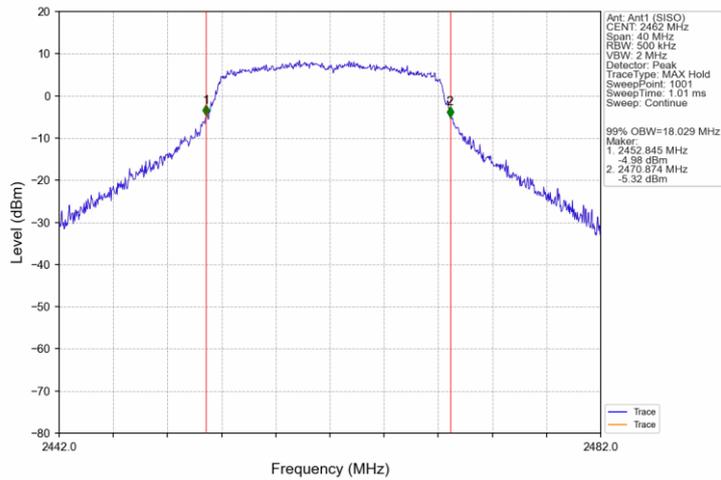
802.11g LCH 2412MHz Ant1 (SISO) NTVN



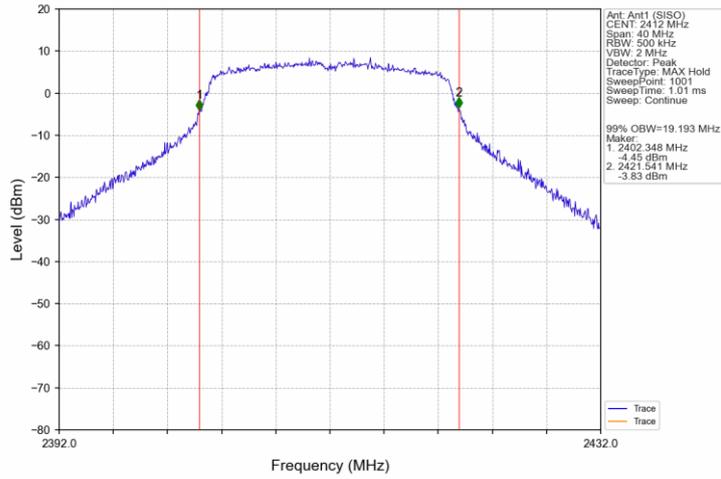
802.11g MCH 2437MHz Ant1 (SISO) NTV



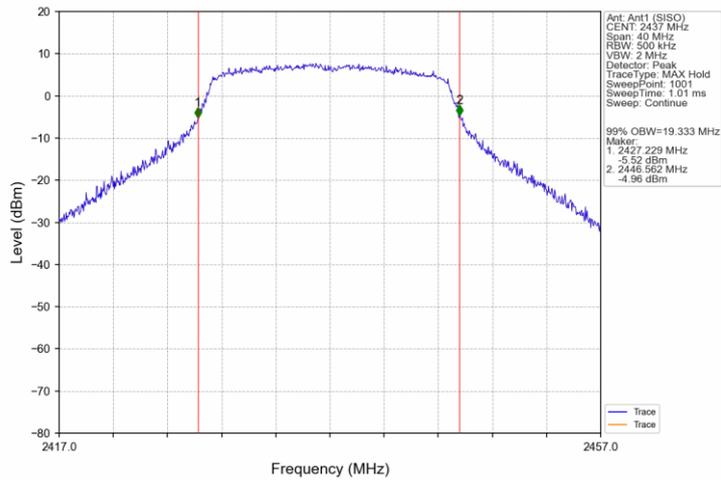
802.11g HCH 2462MHz Ant1 (SISO) NTV



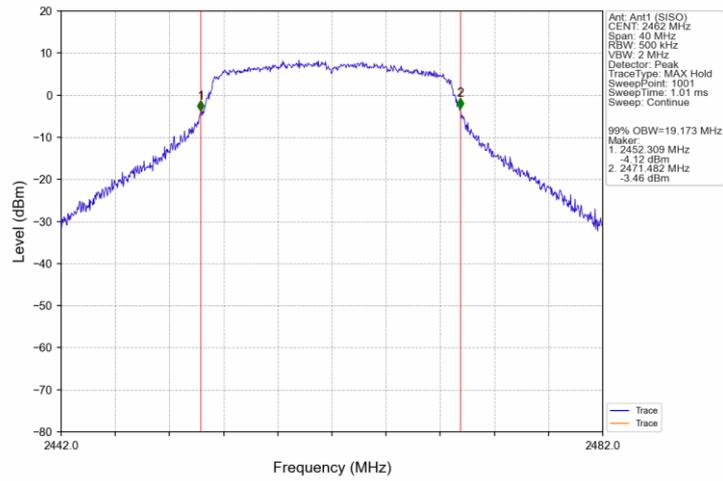
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



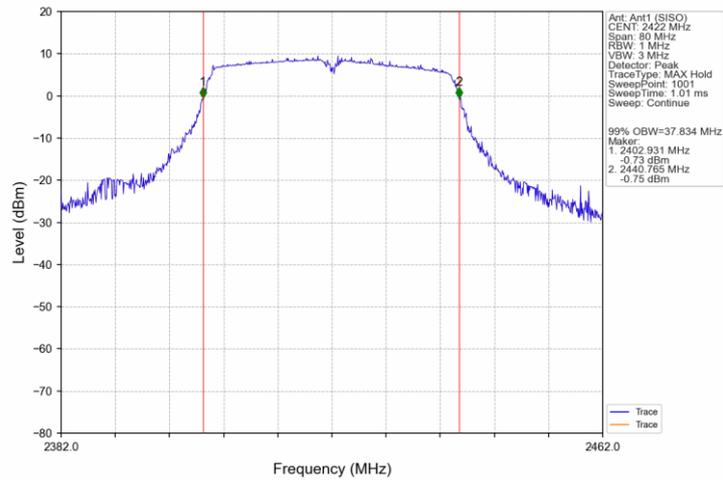
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



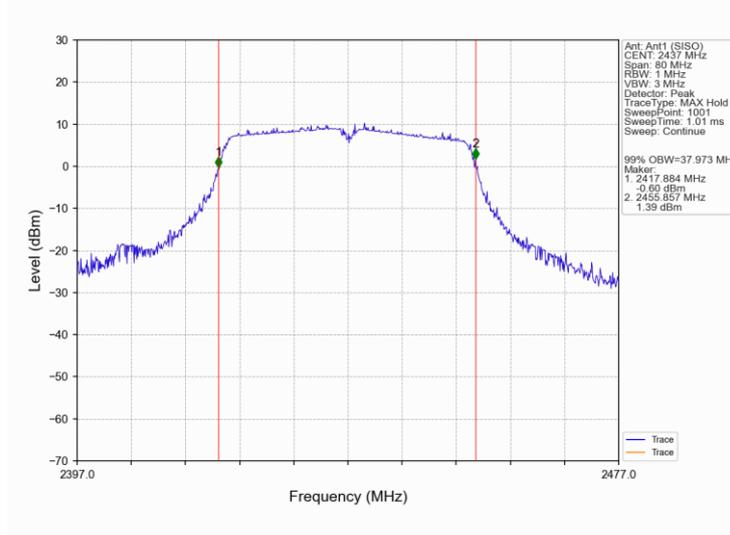
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



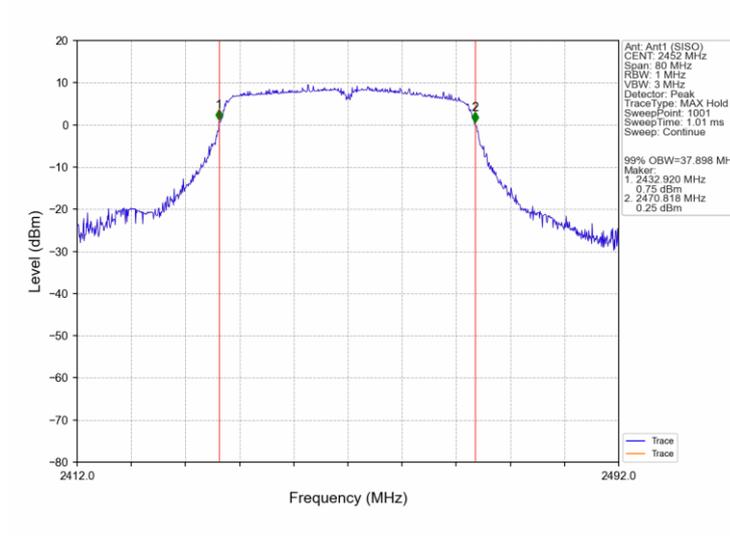
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



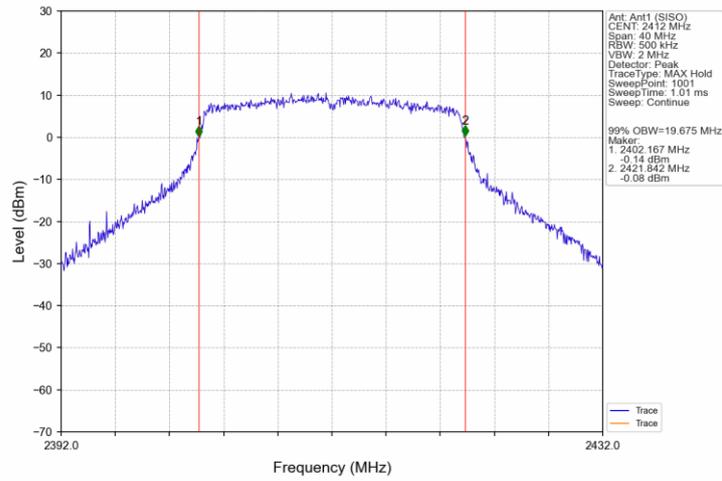
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



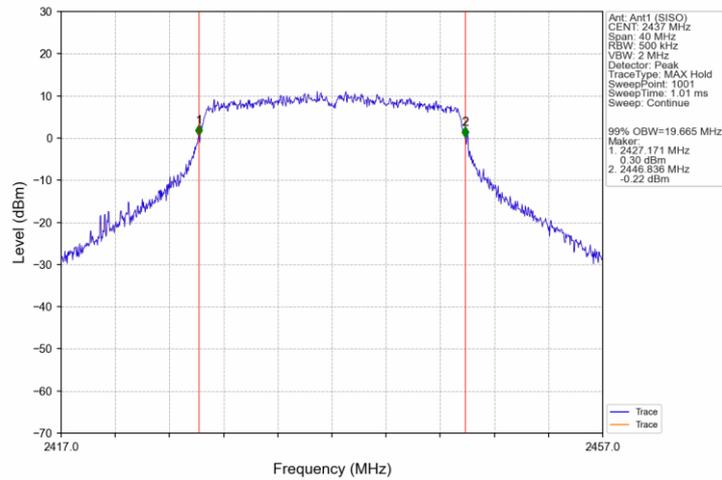
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



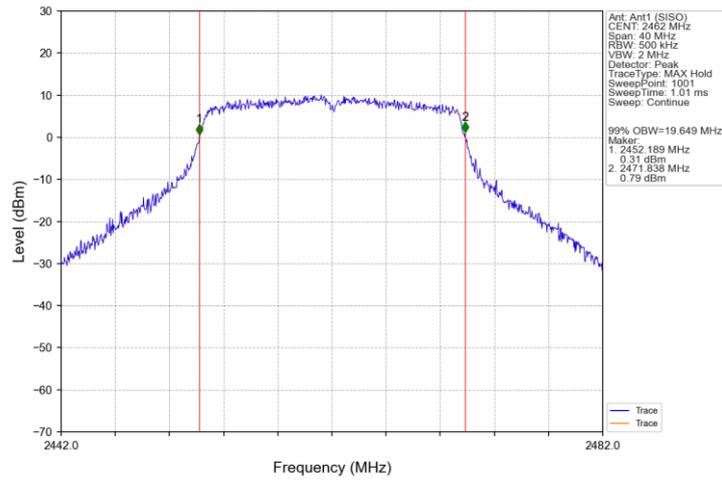
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



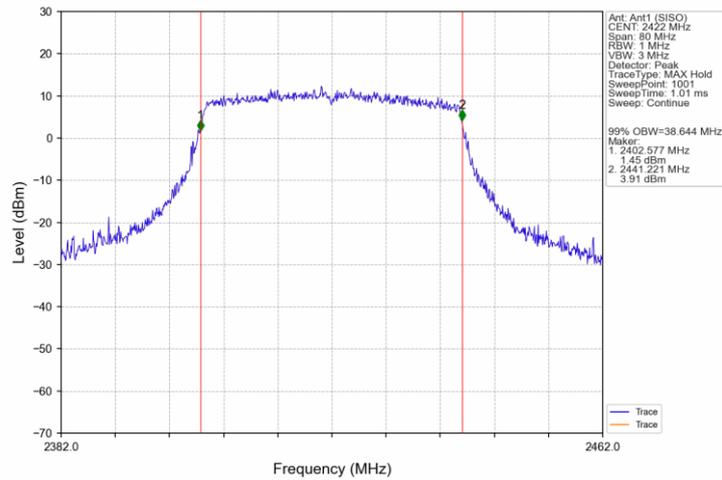
802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN



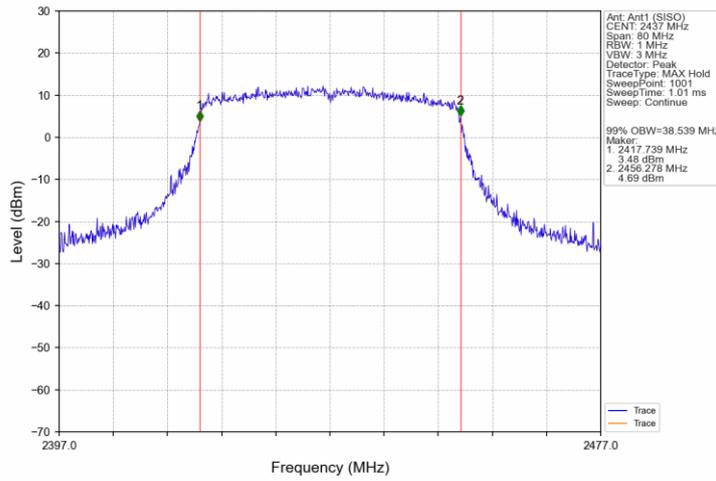
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTNv



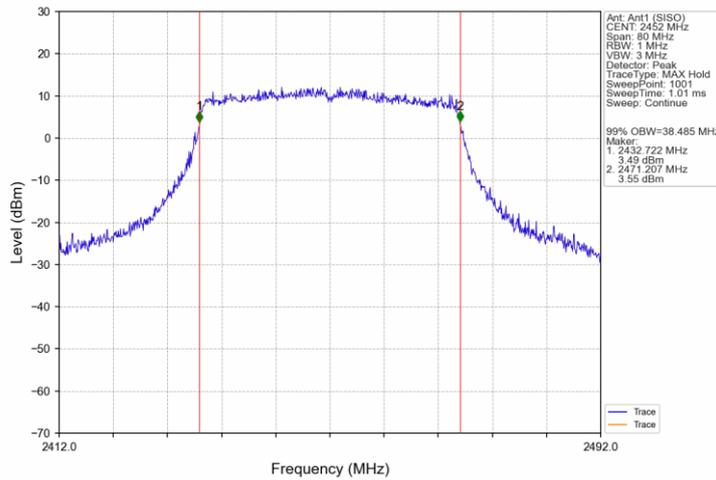
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTNv



802.11ax(HEW40) MCH 2437MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTN



9.4 Power Spectral Density

Test Method

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance:

1. The RF output of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
4. Set analyzer center frequency to DTS channel center frequency. RBW=3kHz, VBW \geq 3RBW, Span=1.5 times DTS bandwidth, Detector=Peak, Sweep=auto, Trace= max hold.
5. Allow trace to fully stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.
6. Repeat above procedures until other frequencies measured were completed.

Limit

Limit [dBm/3KHz]

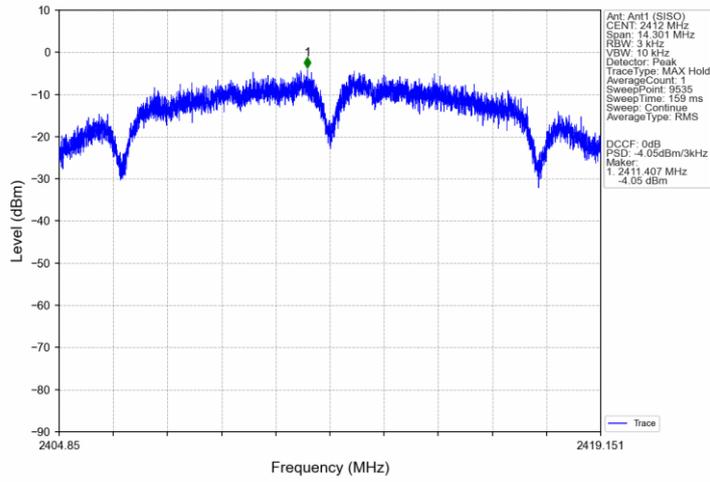
≤ 8



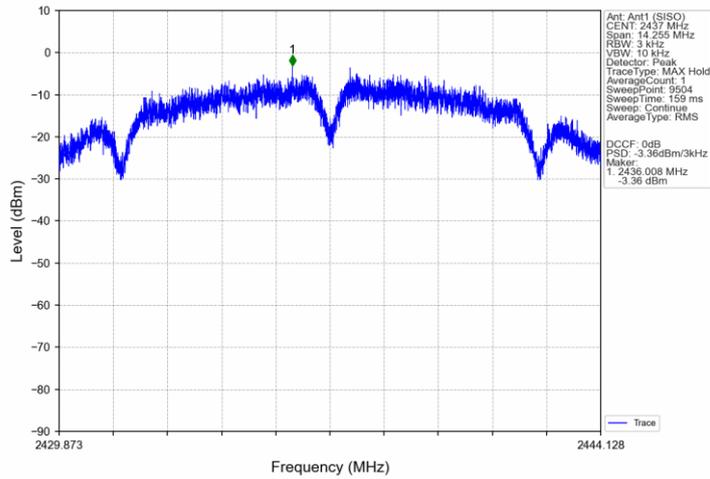
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	-4.05	<=8	Pass
		2437	/	/	-3.36	<=8	Pass
		2462	/	/	-4.08	<=8	Pass
802.11g	SISO	2412	/	/	-11.63	<=8	Pass
		2437	/	/	-10.59	<=8	Pass
		2462	/	/	-10.69	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-11.67	<=8	Pass
		2437	/	/	-9.83	<=8	Pass
		2462	/	/	-11.45	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-12.86	<=8	Pass
		2437	/	/	-13.05	<=8	Pass
		2452	/	/	-13.95	<=8	Pass
802.11ax (HEW20)	SISO	2412	RU242	61	-11.69	<=8	Pass
		2437	RU242	61	-11.37	<=8	Pass
		2462	RU242	61	-12.27	<=8	Pass
802.11ax (HEW40)	SISO	2422	RU484	65	-13.06	<=8	Pass
		2437	RU484	65	-12.70	<=8	Pass
		2452	RU484	65	-13.76	<=8	Pass

Note1: Antenna Gain: Ant1: 3.90dBi;

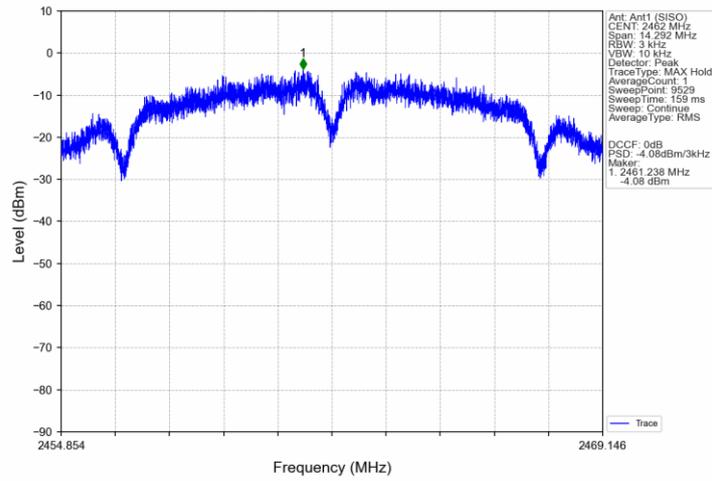
802.11b LCH 2412MHz Ant1 (SISO) NTNV



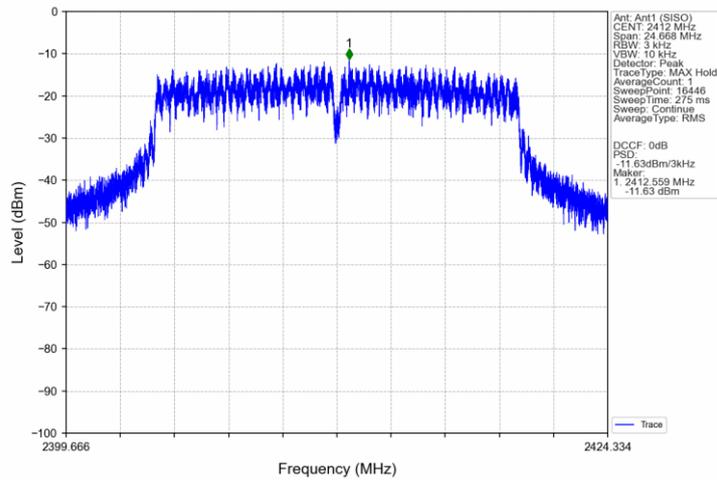
802.11b MCH 2437MHz Ant1 (SISO) NTNV



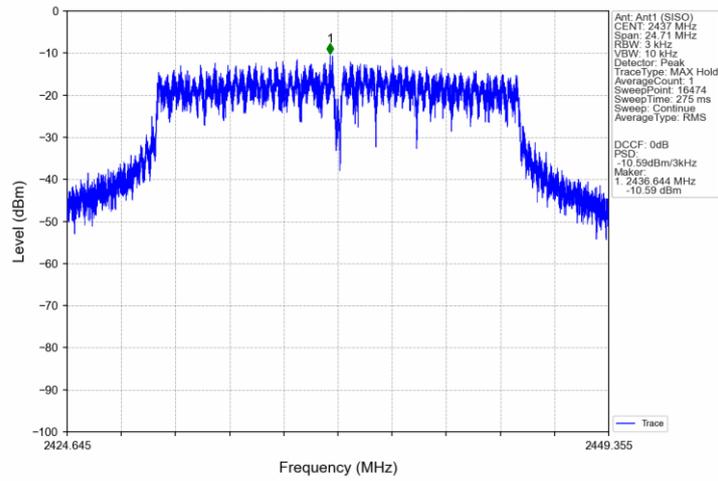
802.11b HCH 2462MHz Ant1 (SISO) NTN



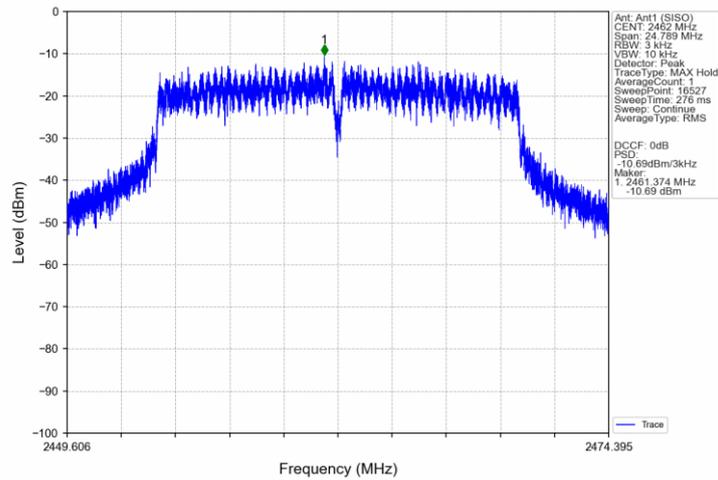
802.11g LCH 2412MHz Ant1 (SISO) NTN



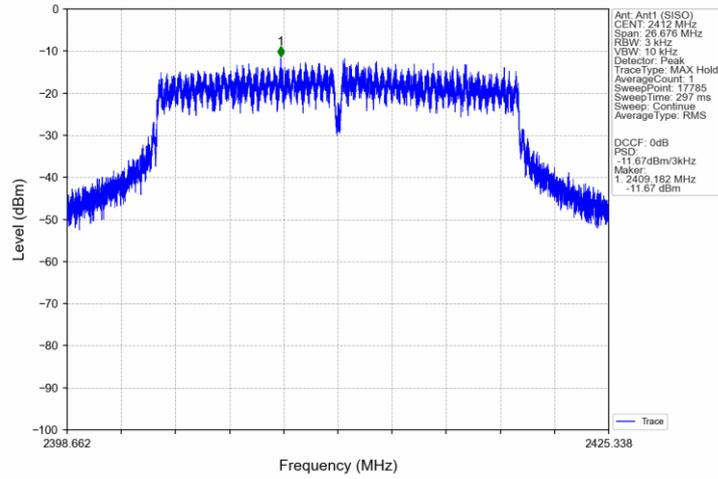
802.11g_MCH_2437MHz_Ant1 (SISO) NTVN



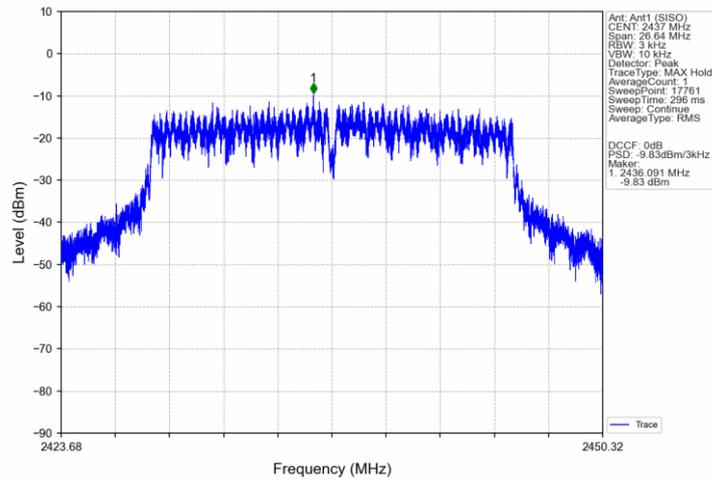
802.11g_HCH_2462MHz_Ant1 (SISO) NTVN



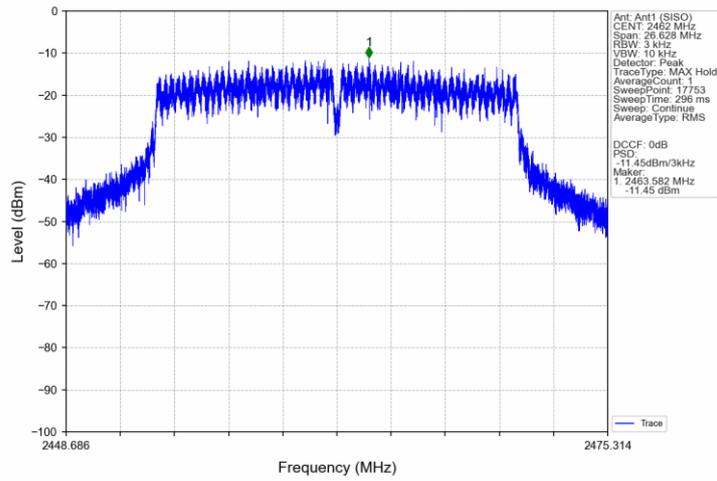
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



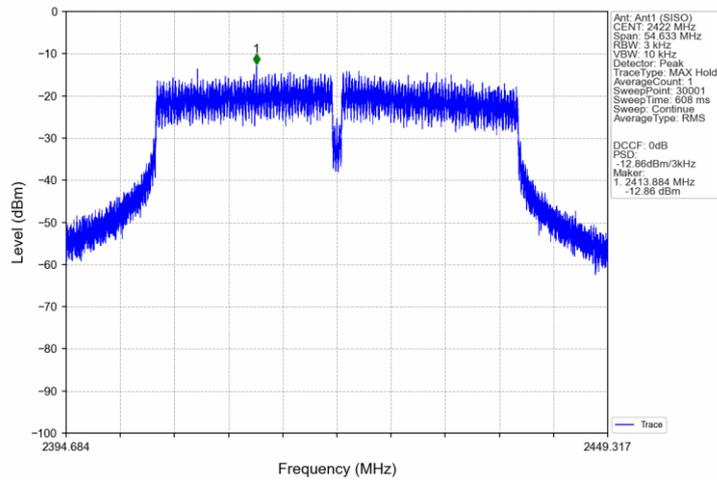
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



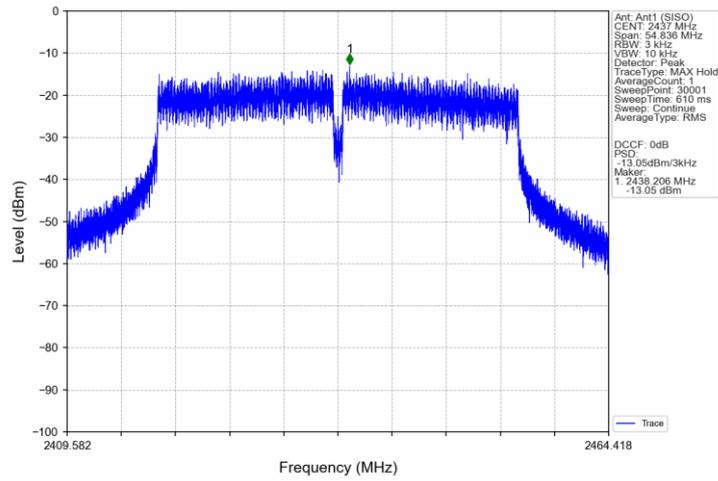
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTV



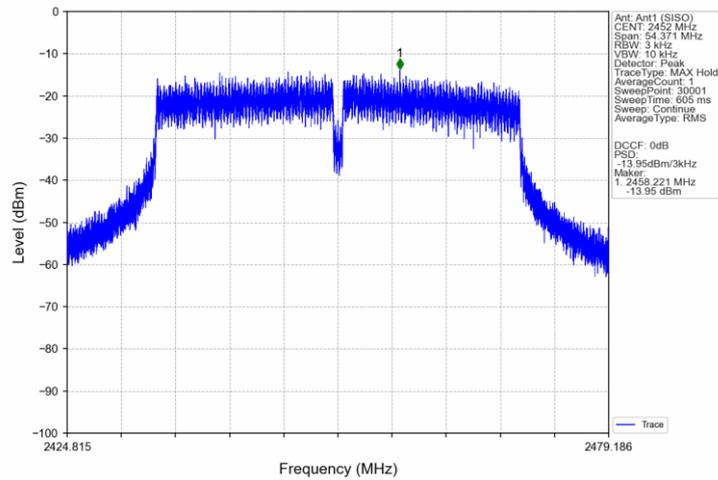
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTV



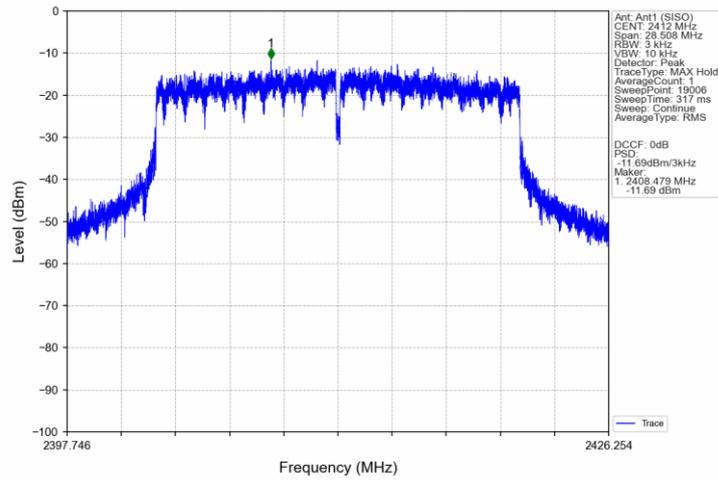
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



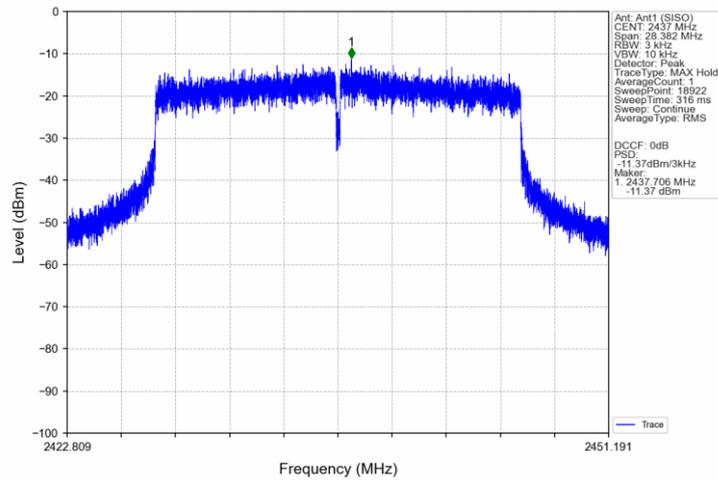
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



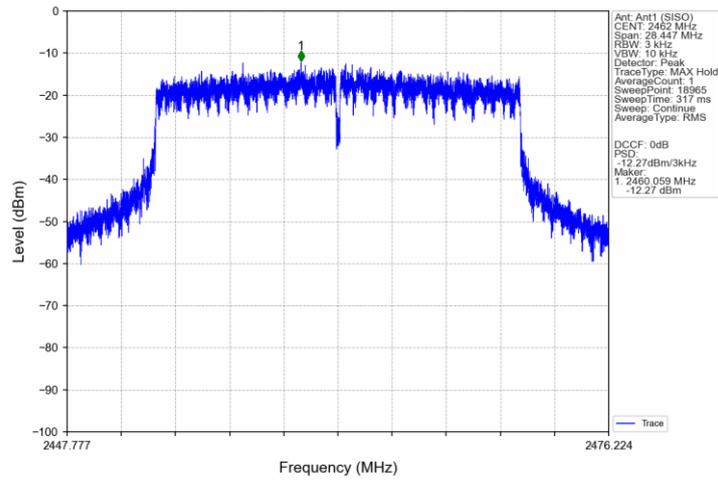
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



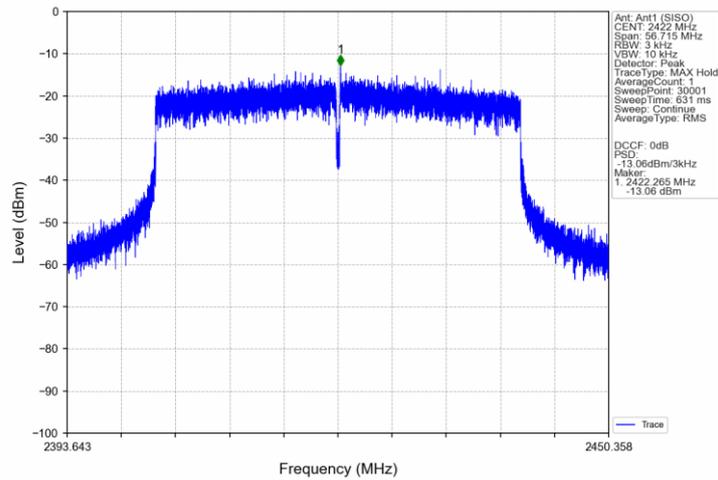
802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN



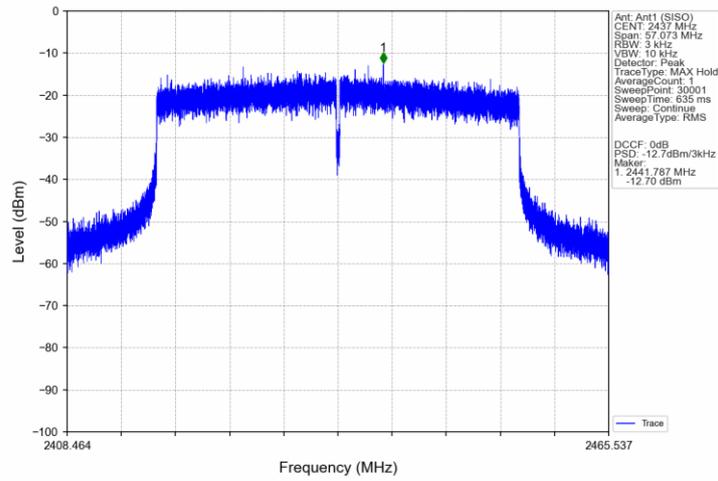
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTNv



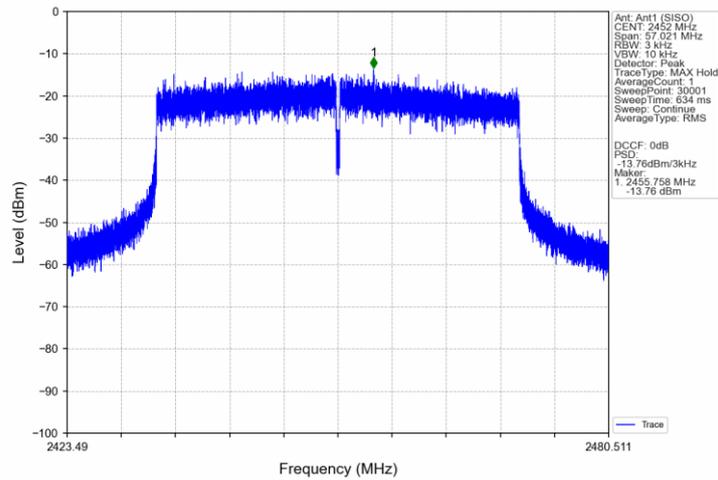
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTNv



802.11ax(HEW40) MCH 2437MHz SU / Ant1 (SISO) NTNv



802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTNv





9.5 Spurious RF Conducted Emissions

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
 Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
 RBW = 100 kHz, VBW≥3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded.
5. The level displayed must comply with the limit specified in this Section. Submit these plots.
6. Repeat above procedures until all frequencies measured were complete.

Limit

Frequency Range MHz	Limit (dBc)
30-25000	-20



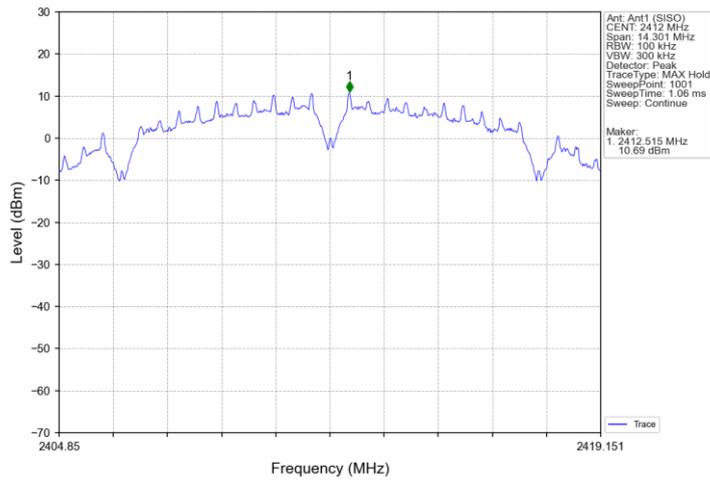
Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	10.69	-9.31	Pass
		2437	/	/	1	10.16	-9.84	Pass
		2462	/	/	1	10.42	-9.58	Pass
802.11g	SISO	2412	/	/	1	2.68	-17.32	Pass
		2437	/	/	1	2.64	-17.36	Pass
		2462	/	/	1	2.38	-17.62	Pass
802.11n (HT20)	SISO	2412	/	/	1	2.67	-17.33	Pass
		2437	/	/	1	2.36	-17.64	Pass
		2462	/	/	1	2.04	-17.96	Pass
802.11n (HT40)	SISO	2422	/	/	1	0.51	-19.49	Pass
		2437	/	/	1	1.34	-18.66	Pass
		2452	/	/	1	-0.14	-20.14	Pass
802.11ax (HEW20)	SISO	2412	RU242	61	1	1.46	-18.54	Pass
		2437	RU242	61	1	2.32	-17.68	Pass
		2462	RU242	61	1	1.70	-18.30	Pass
802.11ax (HEW40)	SISO	2422	RU484	65	1	1.13	-18.87	Pass
		2437	RU484	65	1	1.23	-18.77	Pass
		2452	RU484	65	1	1.38	-18.62	Pass

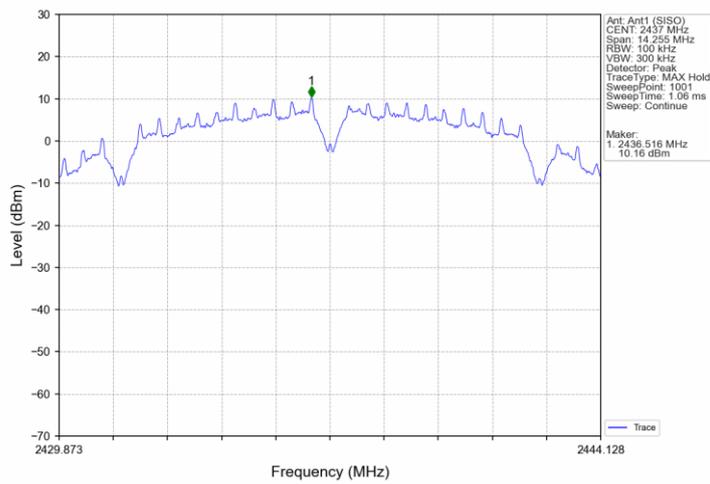
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

Spurious RF conducted emissions

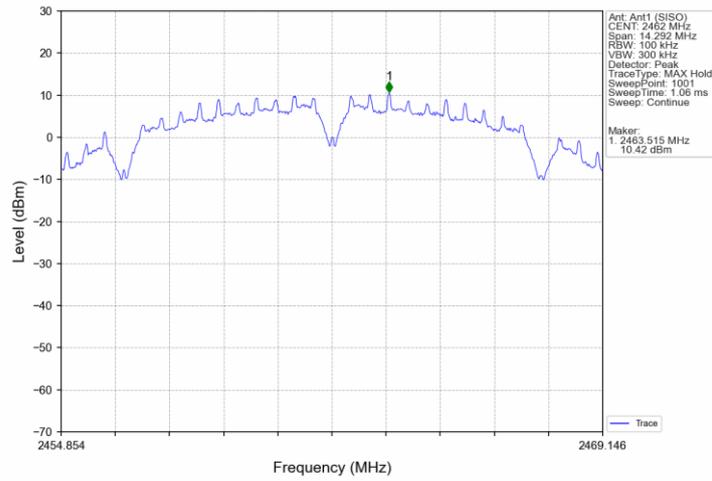
802.11b LCH 2412MHz Ant1 (SISO) NTVN



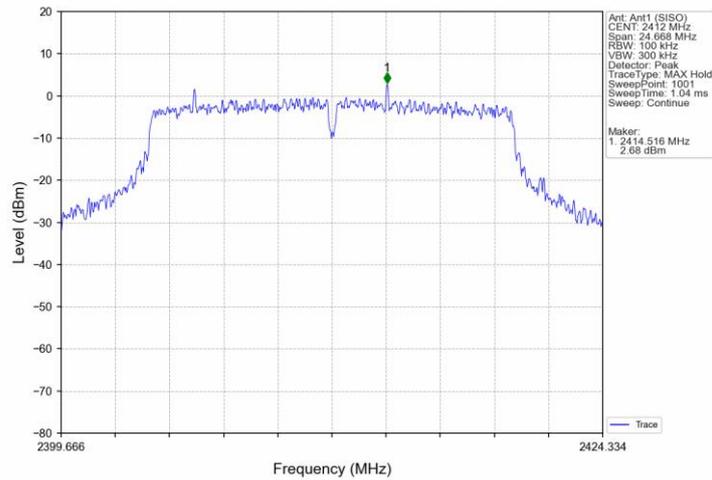
802.11b MCH 2437MHz Ant1 (SISO) NTVN



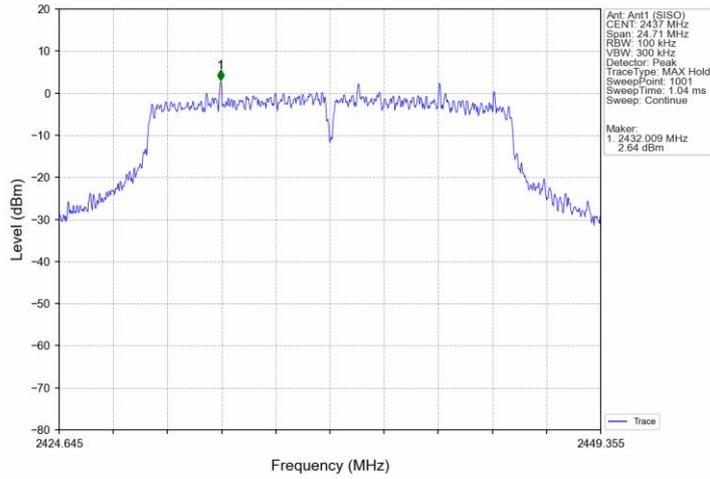
802.11b HCH 2462MHz Ant1 (SISO) NTVN



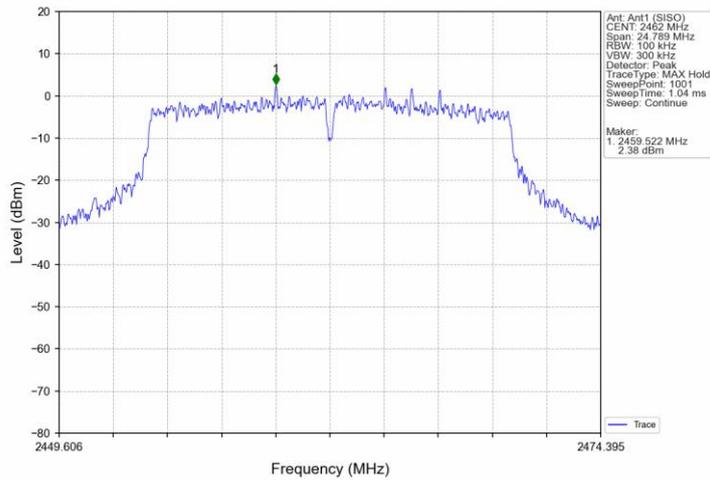
802.11g LCH 2412MHz Ant1 (SISO) NTVN



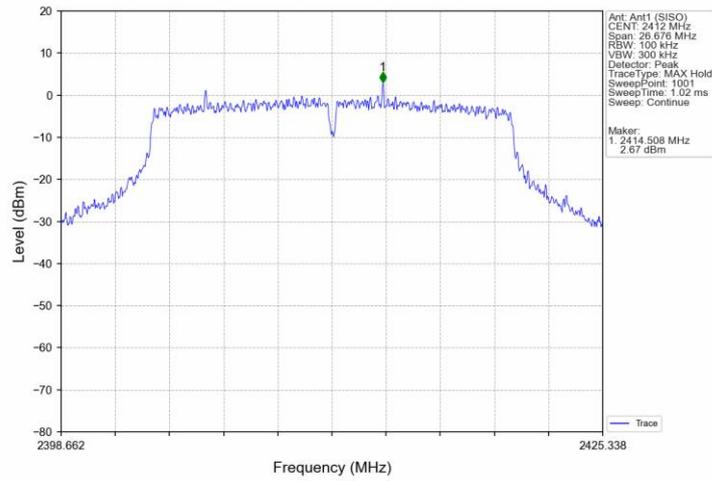
802.11g_MCH_2437MHz_Ant1 (SISO) NTN



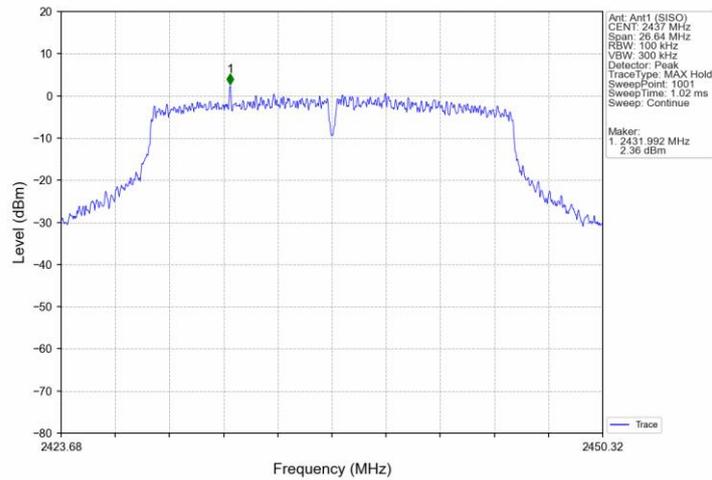
802.11g_HCH_2462MHz_Ant1 (SISO) NTN



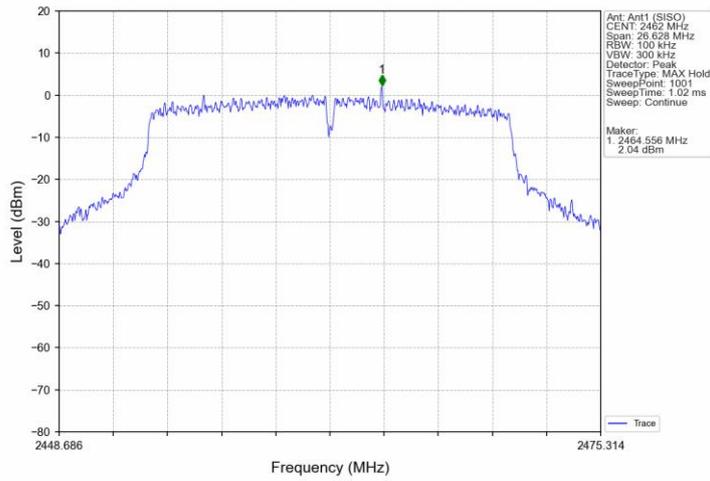
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



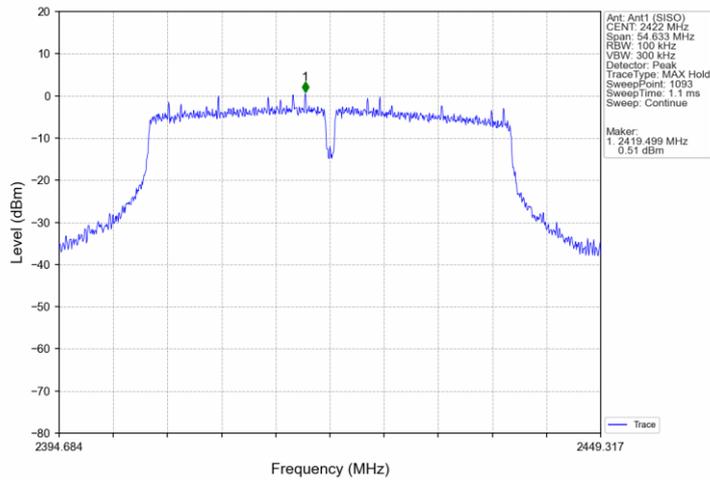
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



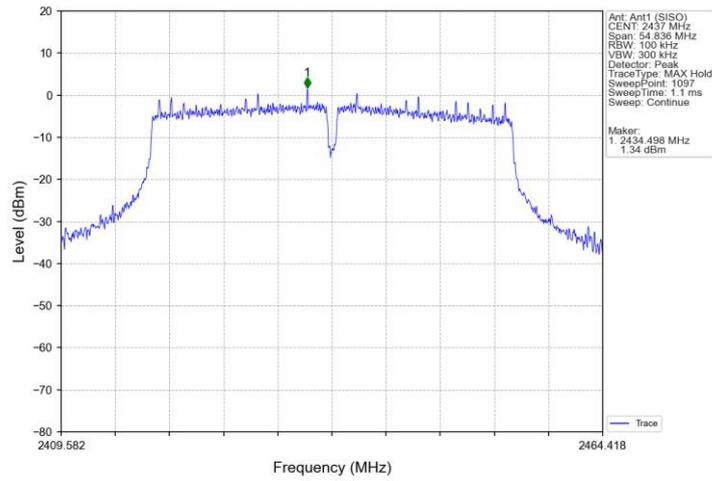
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV

