

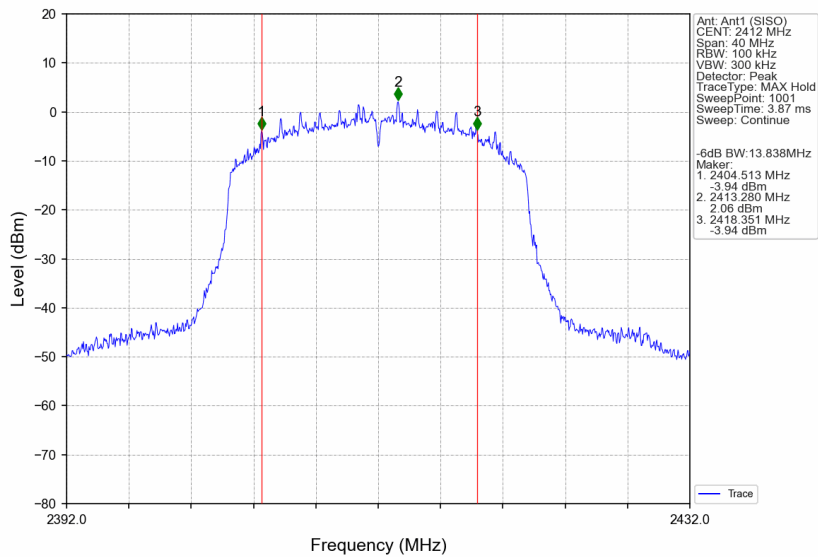
Compliance Certification Services (Kunshan) Inc.

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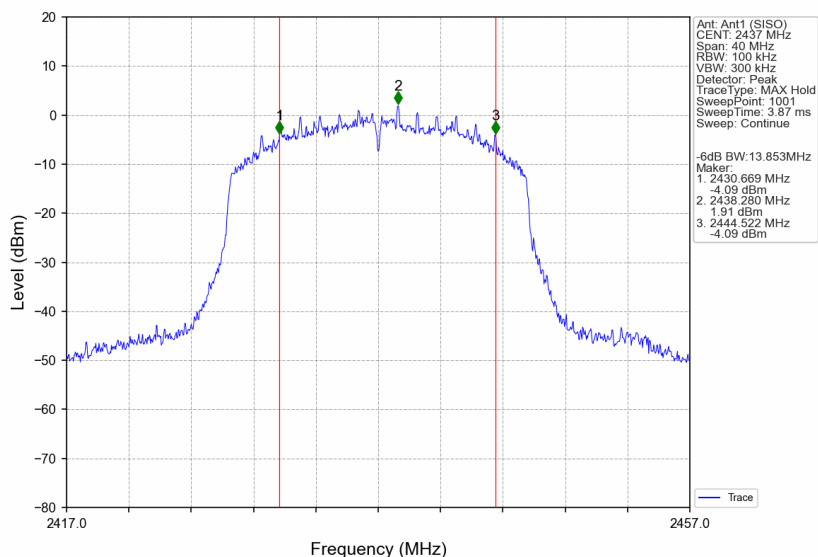
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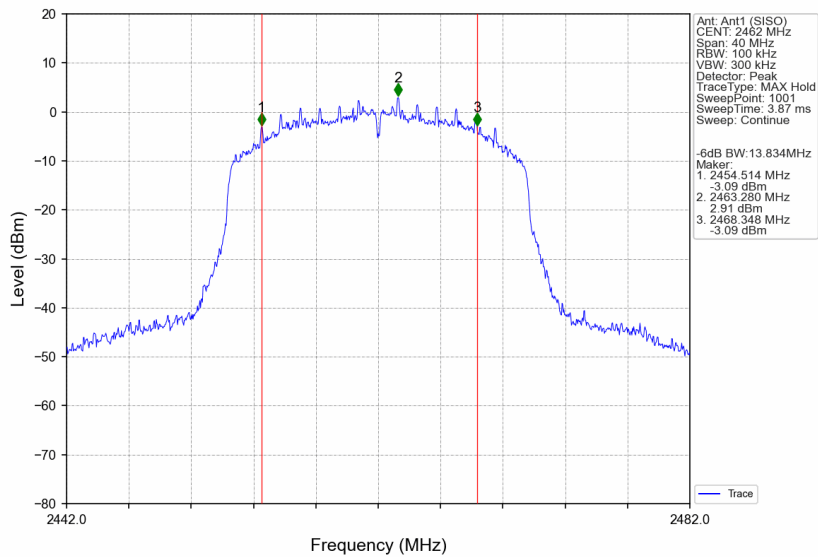
802.11ax(HE20) LCH 2412MHz RU242 Left Ant1 (SISO) NTNv



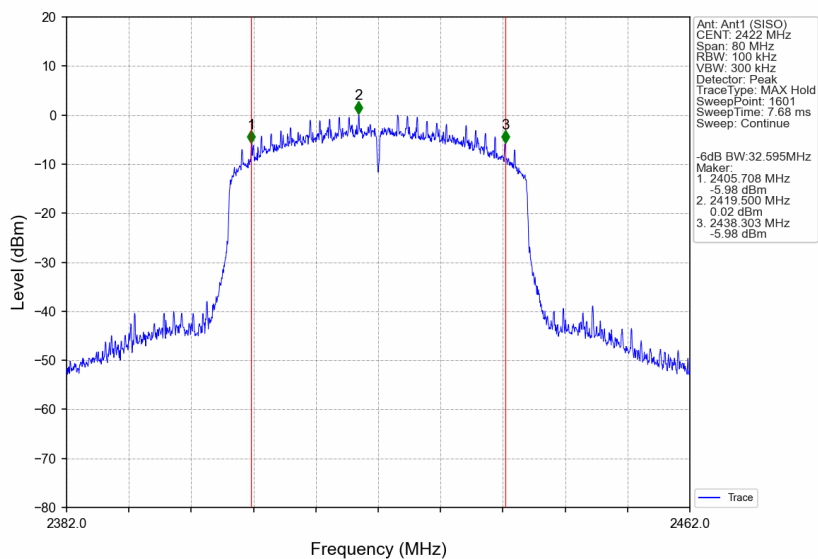
802.11ax(HE20) MCH 2437MHz RU242 Left Ant1 (SISO) NTNv



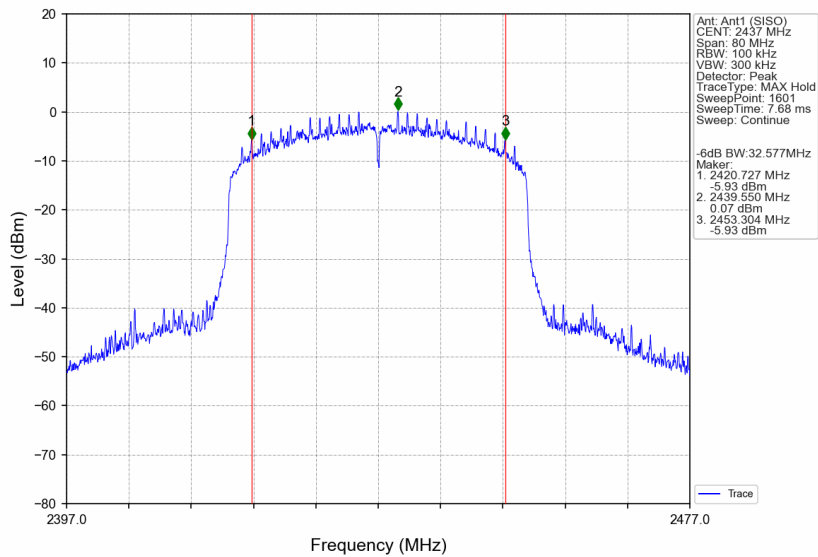
802.11ax(HE20) HCH 2462MHz RU242 Left Ant1 (SISO) NTNv



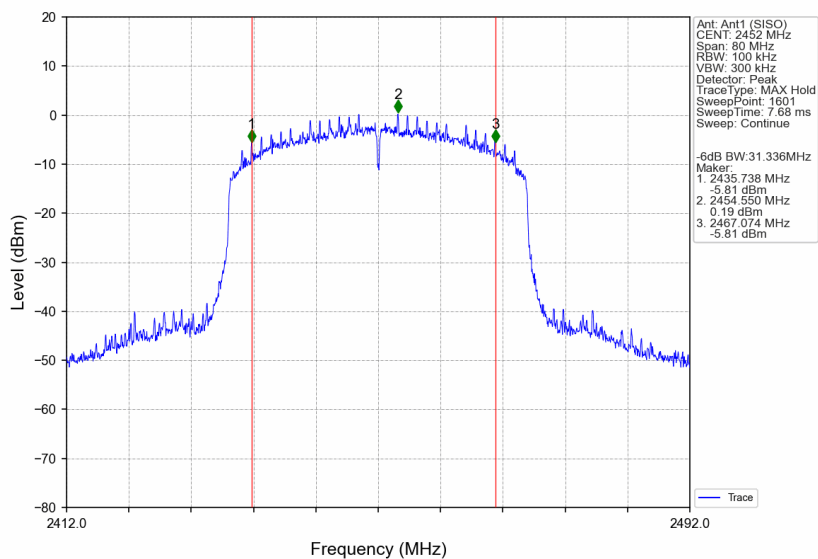
802.11ax(HE40) LCH 2422MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HE40) MCH 2437MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HE40) HCH 2452MHz RU484 Left Ant1 (SISO) NTNv



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3. Maximum Conducted Output Power

3.1 Test Result

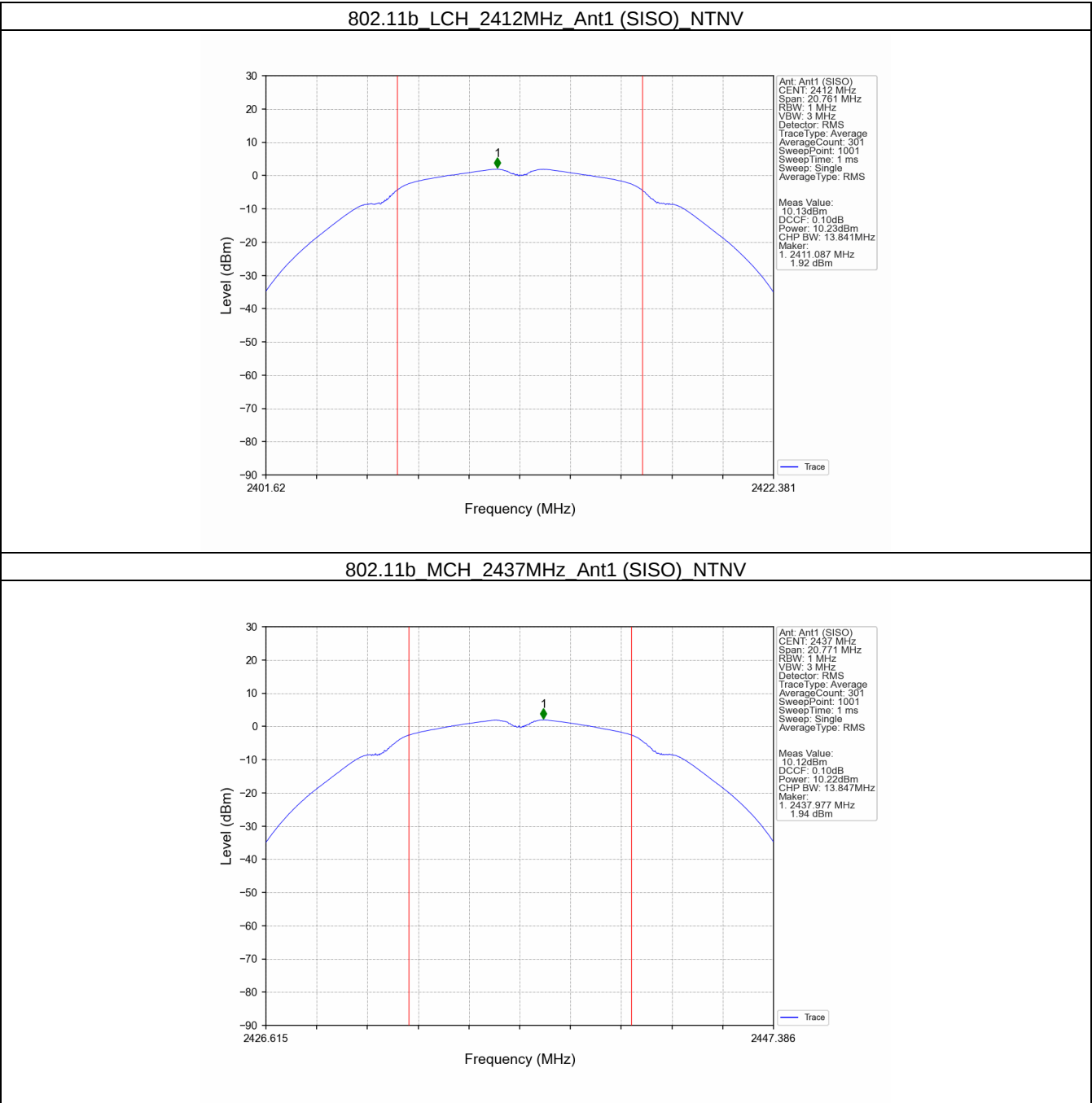
3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	10.23	<=30	Pass
		2437	/	/	10.22	<=30	Pass
		2462	/	/	11.44	<=30	Pass
802.11g	SISO	2412	/	/	10.11	<=30	Pass
		2437	/	/	9.88	<=30	Pass
		2462	/	/	10.76	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	9.63	<=30	Pass
		2437	/	/	9.48	<=30	Pass
		2462	/	/	10.49	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	10.96	<=30	Pass
		2437	/	/	10.93	<=30	Pass
		2452	/	/	10.97	<=30	Pass
802.11ax (HE20)	SISO	2412	RU242	Left	9.29	<=30	Pass
		2437	RU242	Left	9.18	<=30	Pass
		2462	RU242	Left	10.10	<=30	Pass
802.11ax (HE40)	SISO	2422	RU484	Left	10.79	<=30	Pass
		2437	RU484	Left	10.81	<=30	Pass
		2452	RU484	Left	10.78	<=30	Pass

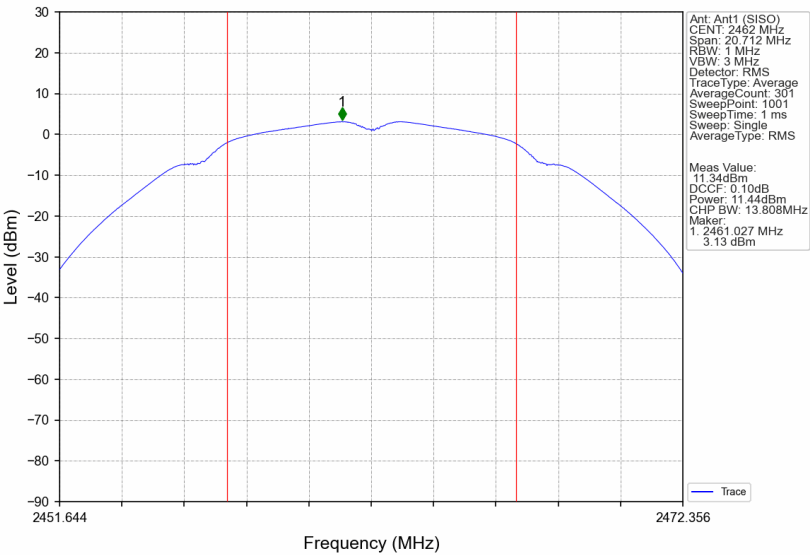
Note1: Antenna Gain: Ant1: 4.50dBi;

3.2 Test Graph

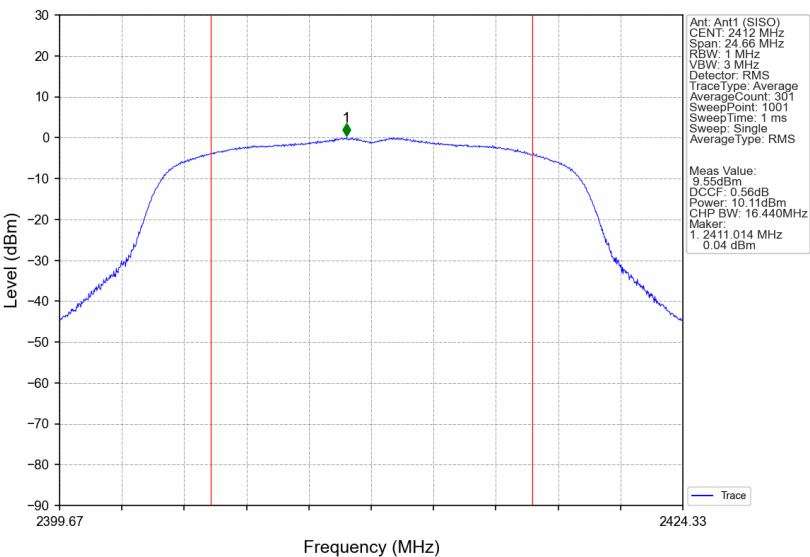
3.2.1 Power



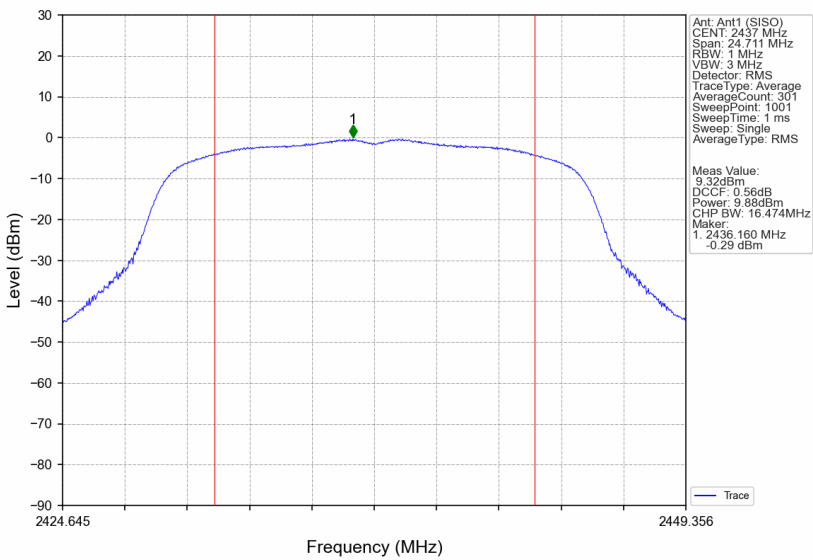
802.11b HCH 2462MHz Ant1 (SISO) NTNV



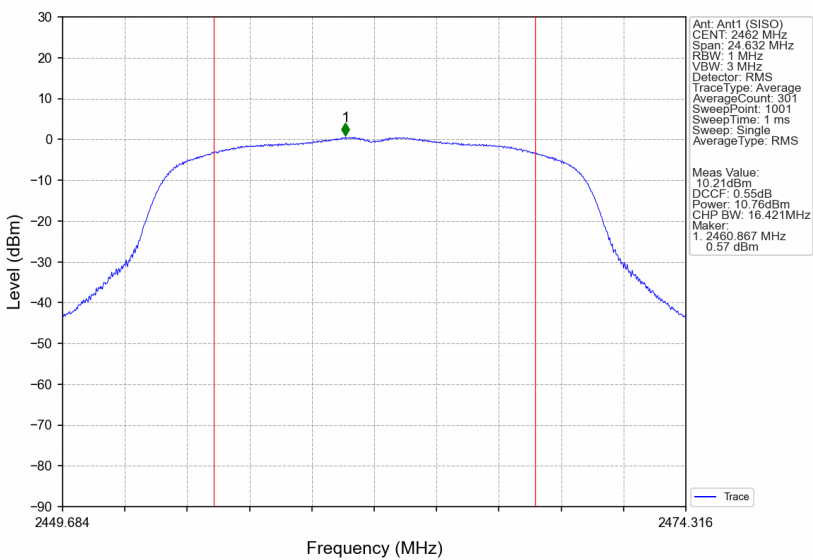
802.11g LCH 2412MHz Ant1 (SISO) NTNV



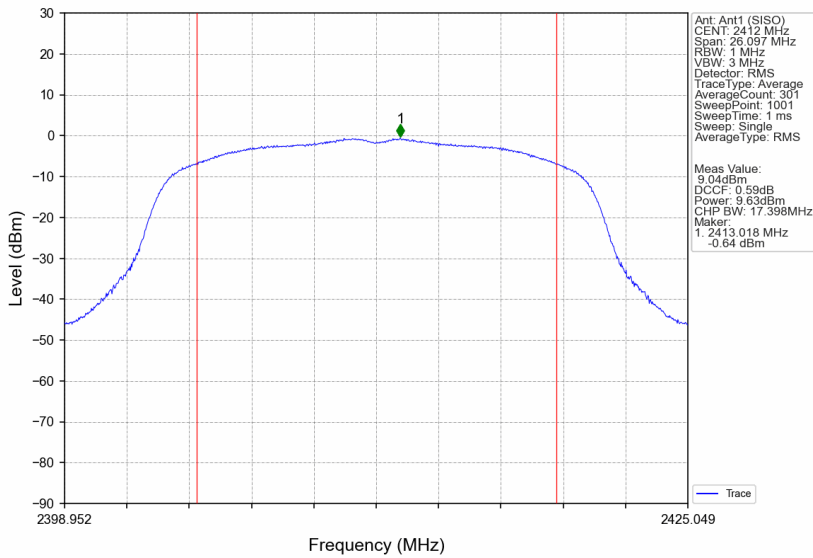
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



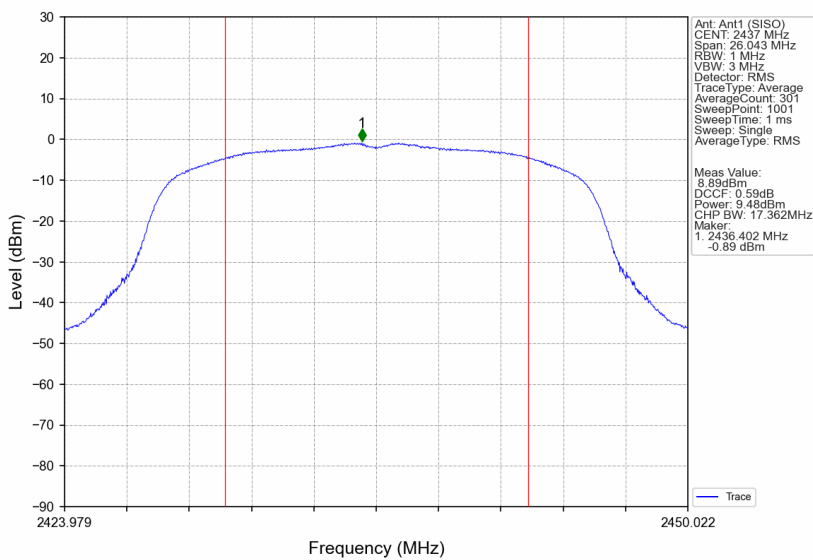
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



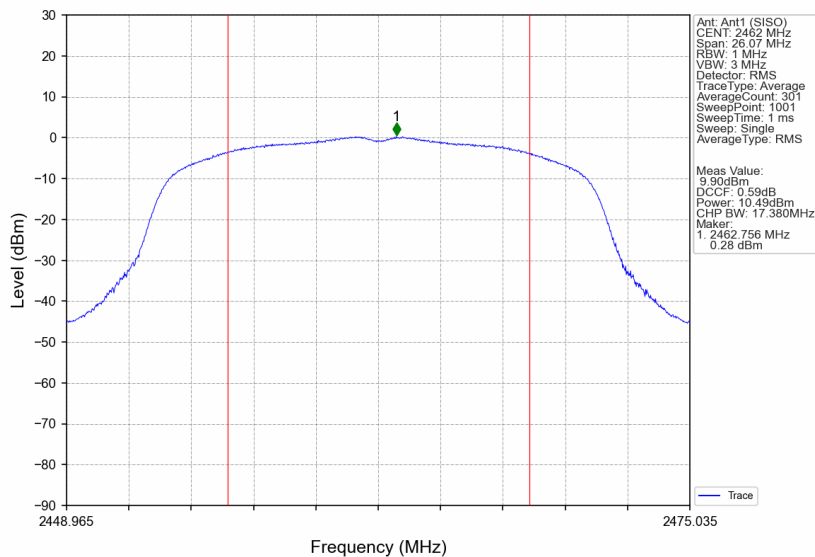
802.11n(HT20) LCH 2412MHz_Ant1 (SISO) _NTNV



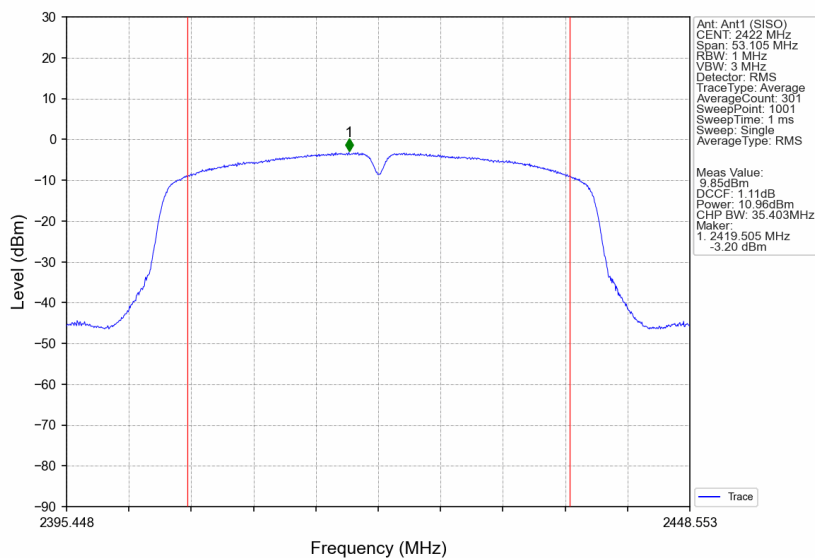
802.11n(HT20) MCH 2437MHz_Ant1 (SISO) _NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



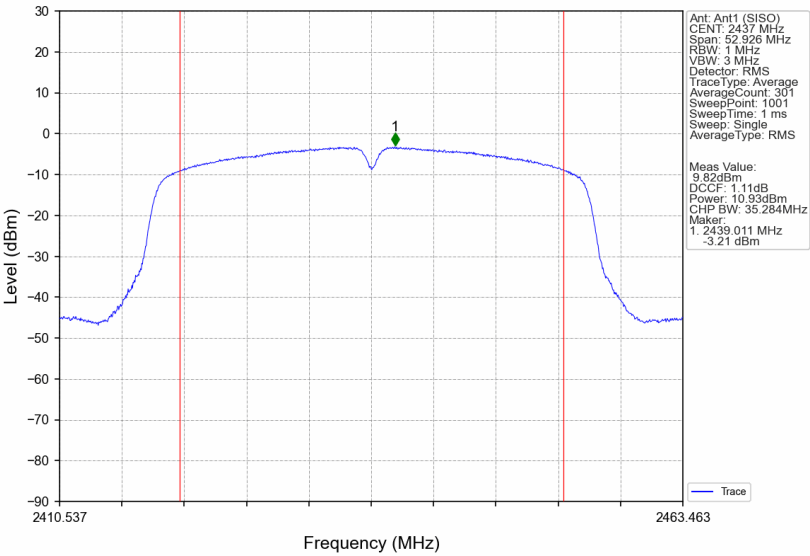
Compliance Certification Services (Kunshan) Inc.

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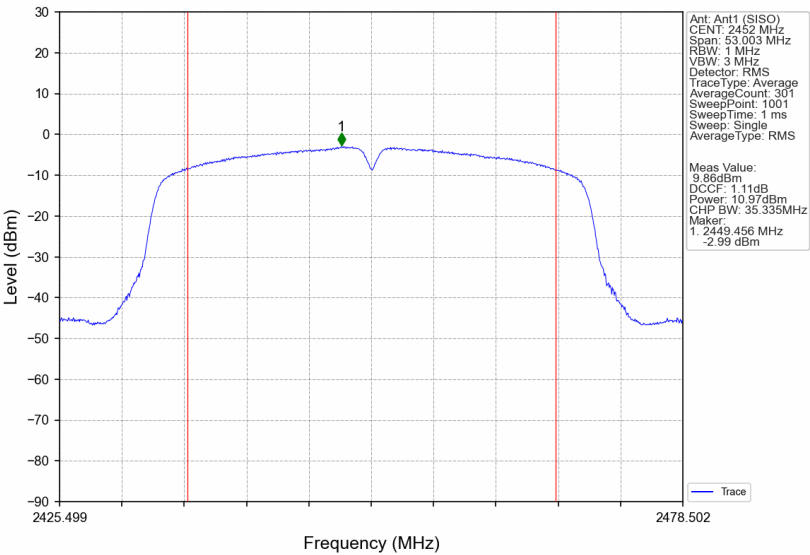
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802.11n(HT40) MCH 2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40) HCH 2452MHz_Ant1 (SISO)_NTNV



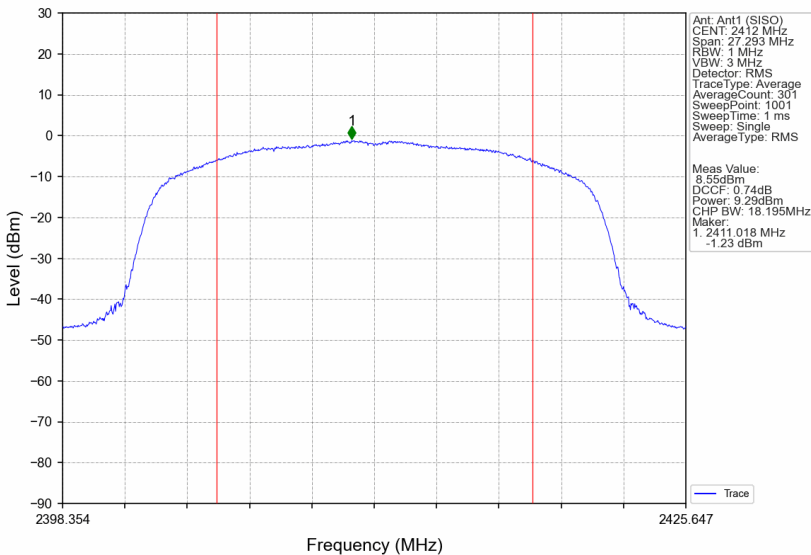
Compliance Certification Services (Kunshan) Inc.

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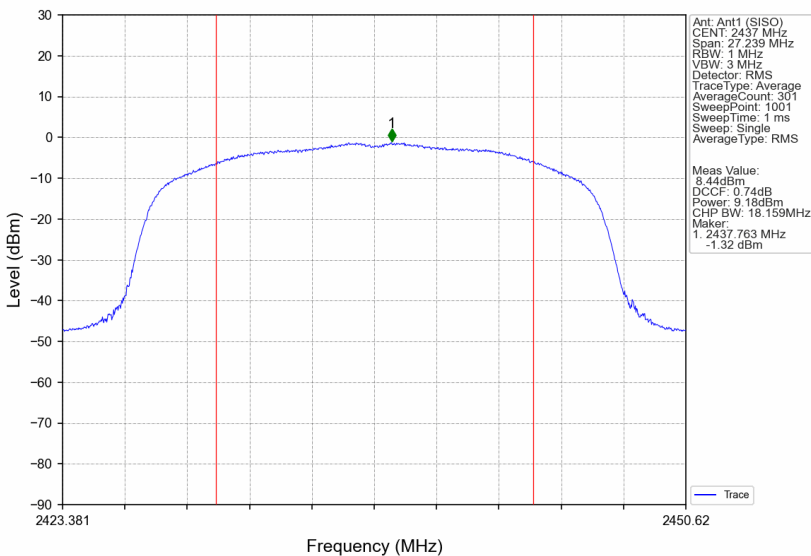
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802.11ax(HE20) LCH 2412MHz RU242 Left Ant1 (SISO) NTN



802.11ax(HE20) MCH 2437MHz RU242 Left Ant1 (SISO) NTN



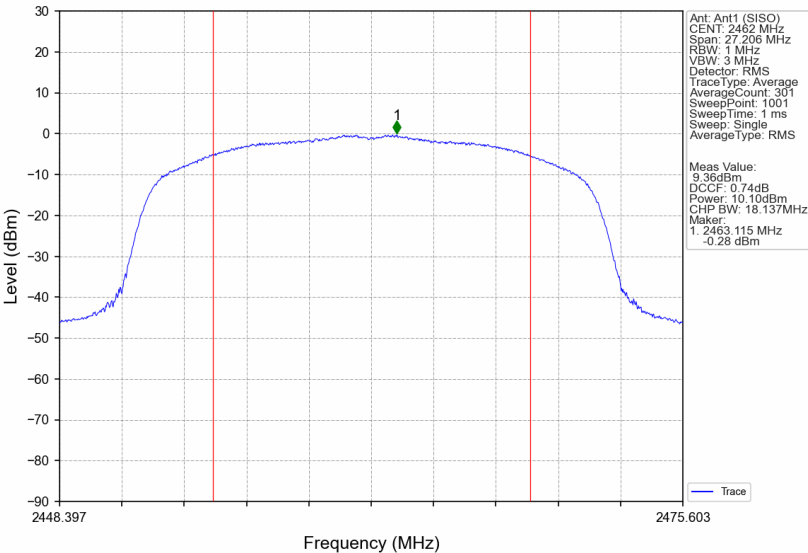
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

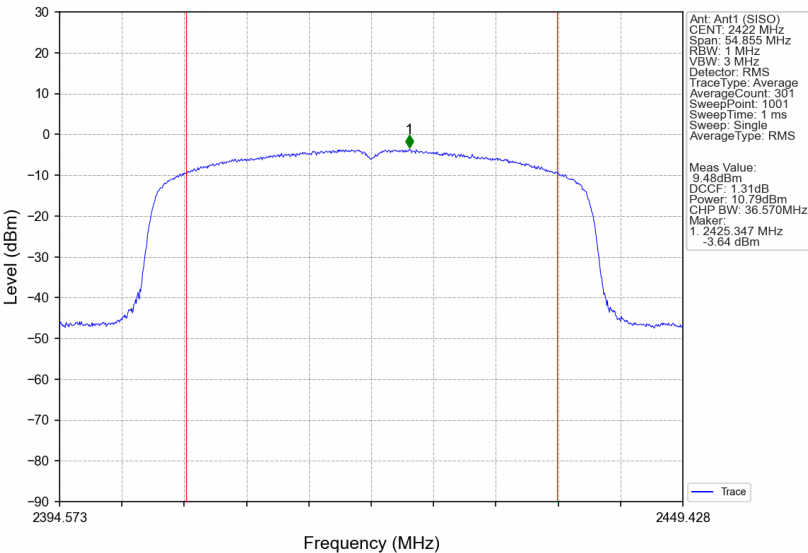
Report No.: KSCR240800149001

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802.11ax(HE20) HCH 2462MHz RU242 Left Ant1 (SISO) NTN



802.11ax(HE40) LCH 2422MHz RU484 Left Ant1 (SISO) NTN



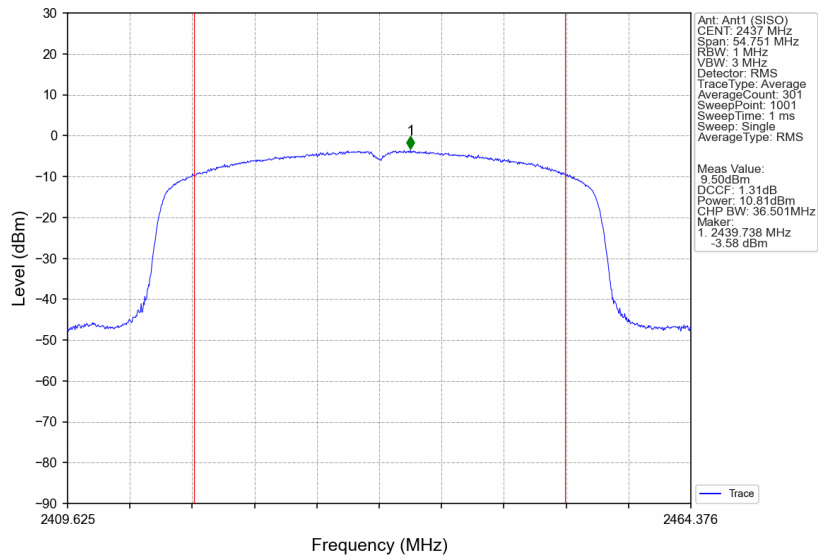
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

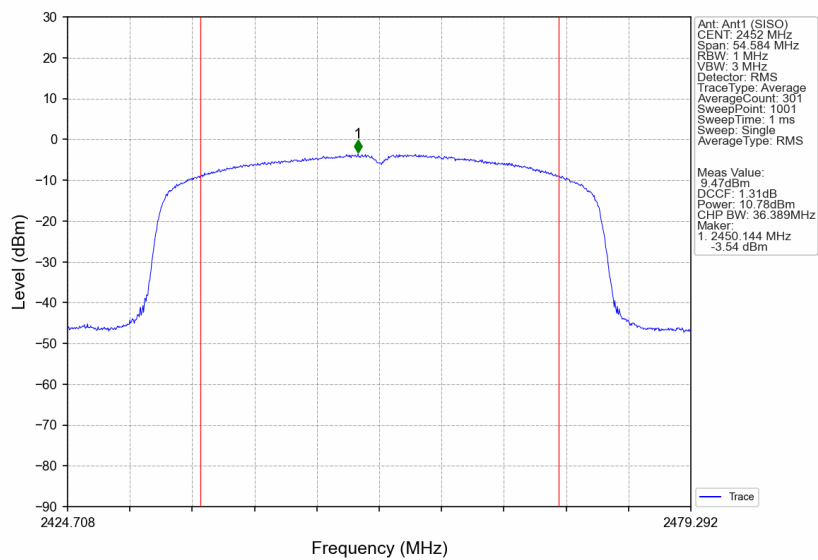
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802.11ax(HE40) MCH 2437MHz RU484 Left Ant1 (SISO) NTN



802.11ax(HE40) HCH 2452MHz RU484 Left Ant1 (SISO) NTN



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4. Maximum Power Spectral Density

4.1 Test Result

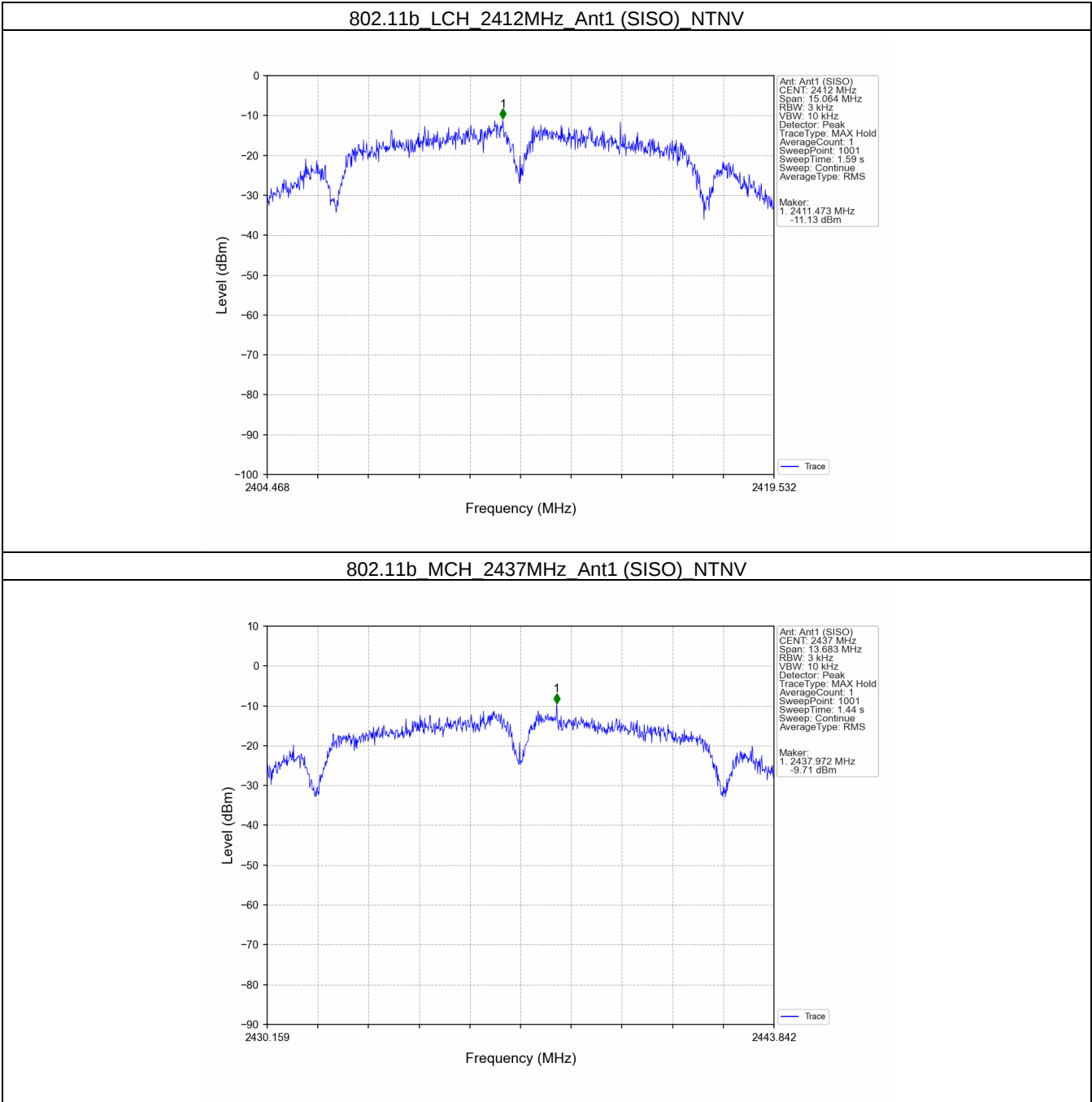
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	-11.13	<=8	Pass
		2437	/	/	-9.71	<=8	Pass
		2462	/	/	-10.06	<=8	Pass
802.11g	SISO	2412	/	/	-12.46	<=8	Pass
		2437	/	/	-12.67	<=8	Pass
		2462	/	/	-10.97	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-11.89	<=8	Pass
		2437	/	/	-12.69	<=8	Pass
		2462	/	/	-12.83	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-14.61	<=8	Pass
		2437	/	/	-14.98	<=8	Pass
		2452	/	/	-15.22	<=8	Pass
802.11ax (HE20)	SISO	2412	RU242	Left	-13.45	<=8	Pass
		2437	RU242	Left	-14.49	<=8	Pass
		2462	RU242	Left	-12.79	<=8	Pass
802.11ax (HE40)	SISO	2422	RU484	Left	-14.71	<=8	Pass
		2437	RU484	Left	-16.16	<=8	Pass
		2452	RU484	Left	-14.87	<=8	Pass

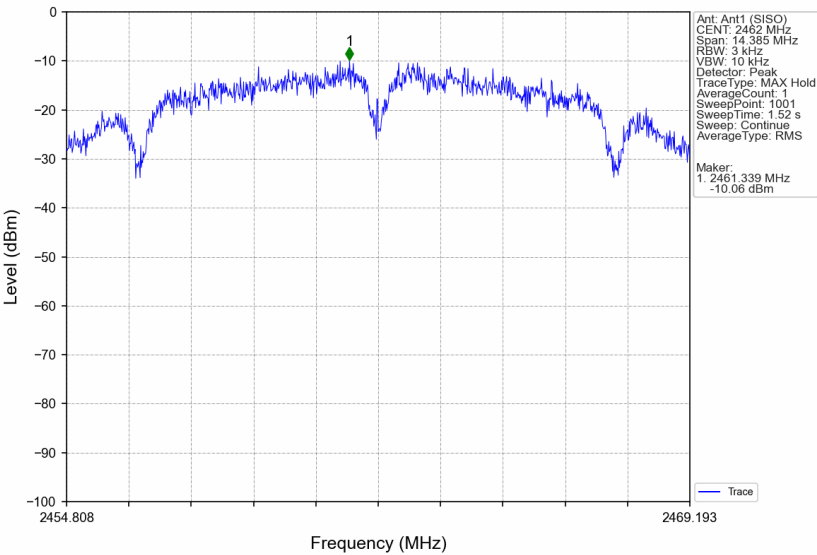
Note1: Antenna Gain: Ant1: 4.50dBi;

4.2 Test Graph

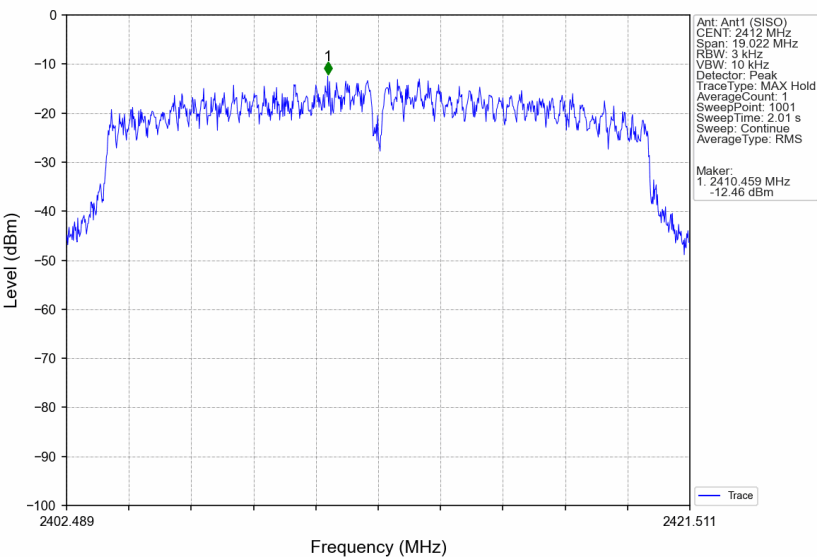
4.2.1 PSD



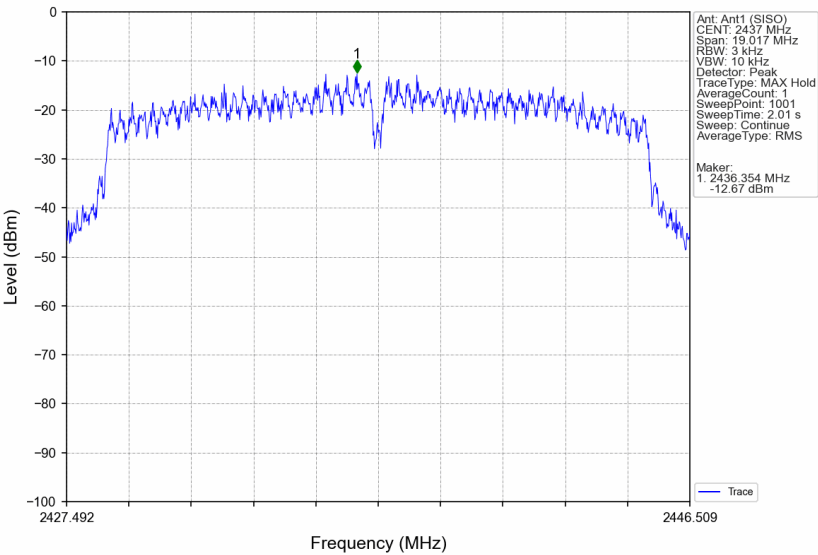
802.11b HCH 2462MHz Ant1 (SISO) NTNV



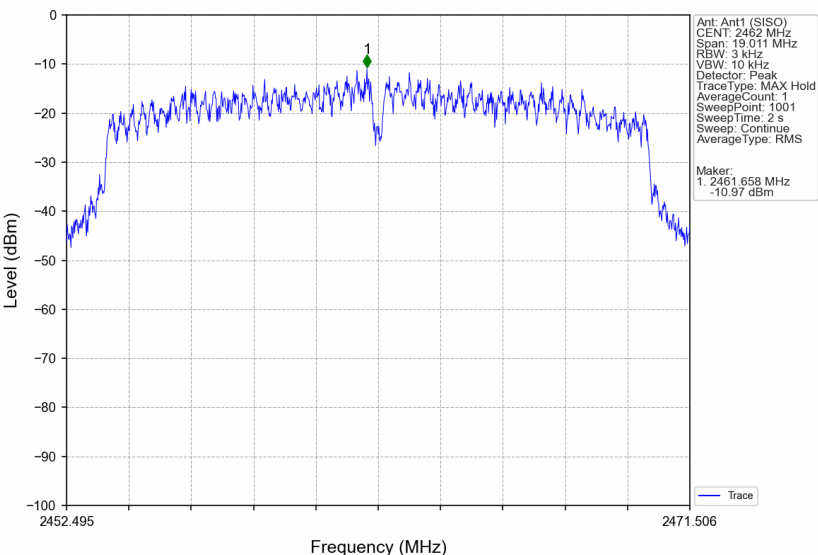
802.11g LCH 2412MHz Ant1 (SISO) NTNV



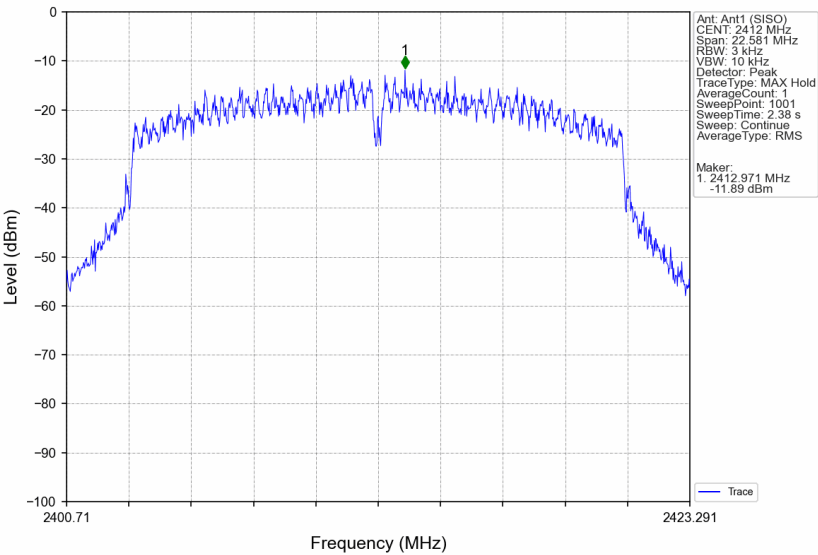
802.11g_MCH_2437MHz_Ant1 (SISO) NTN



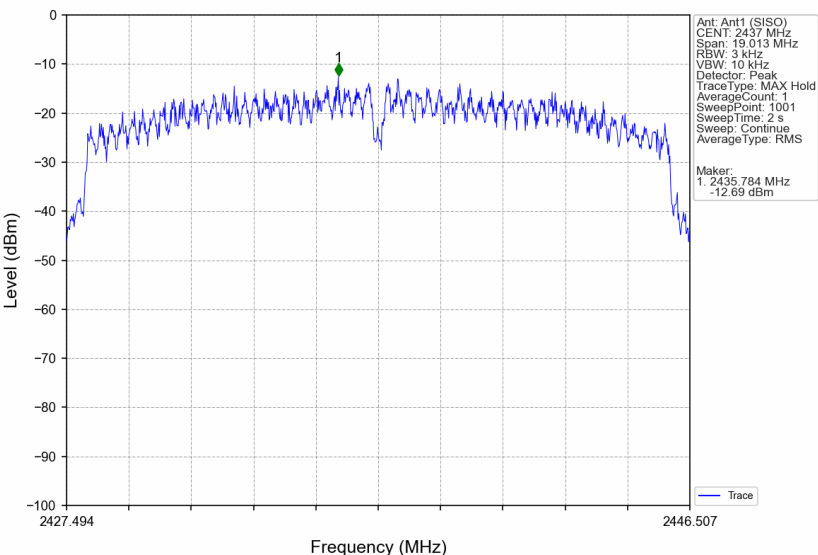
802.11g_HCH_2462MHz_Ant1 (SISO) NTN



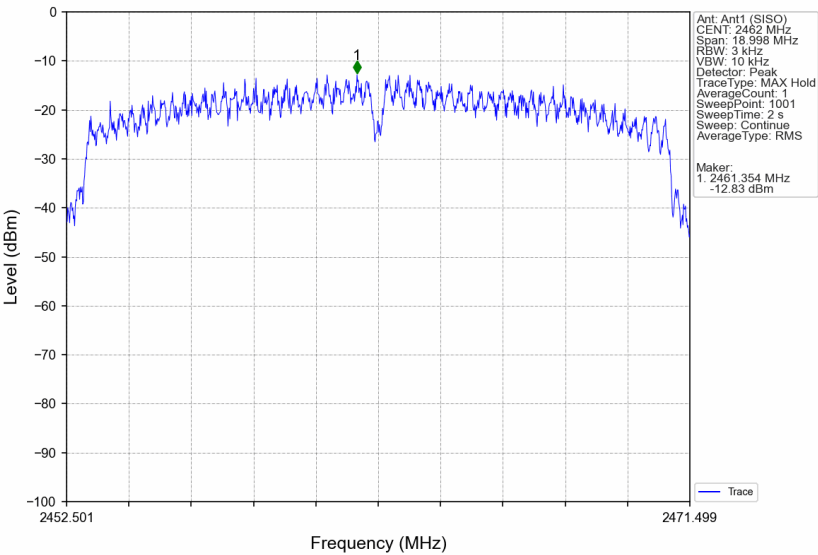
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTN



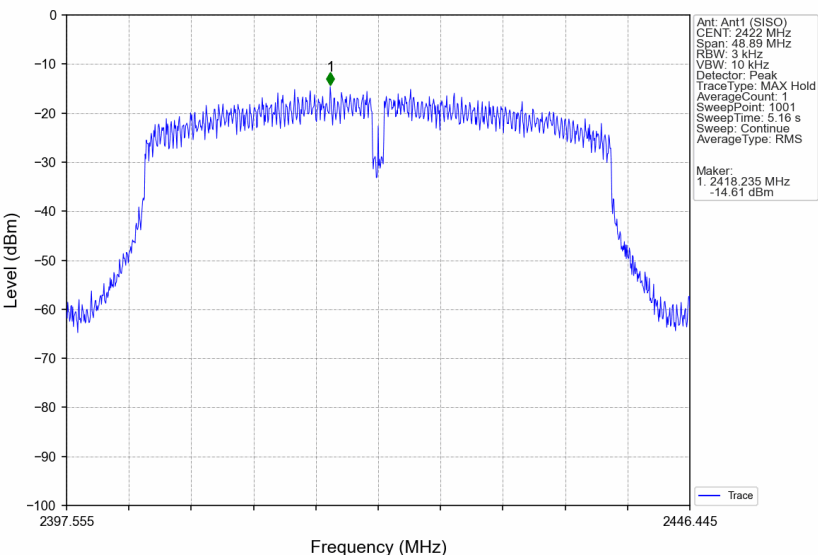
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTN



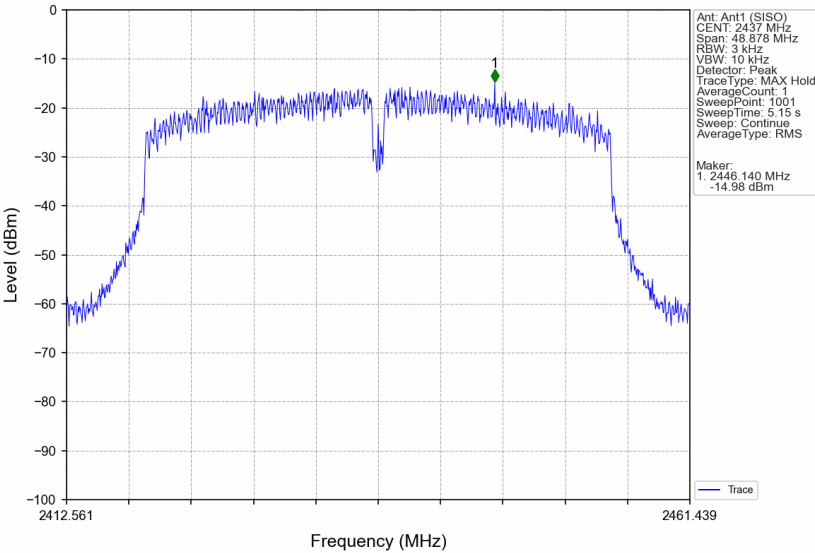
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN



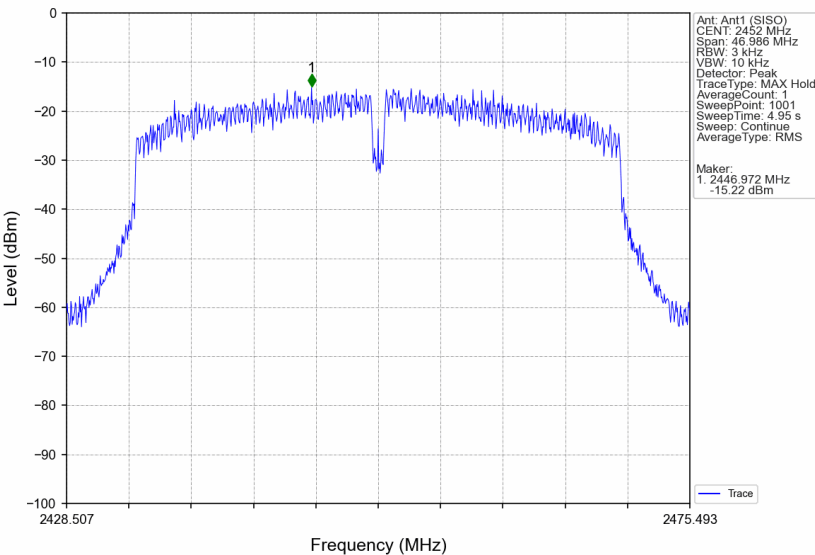
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTN



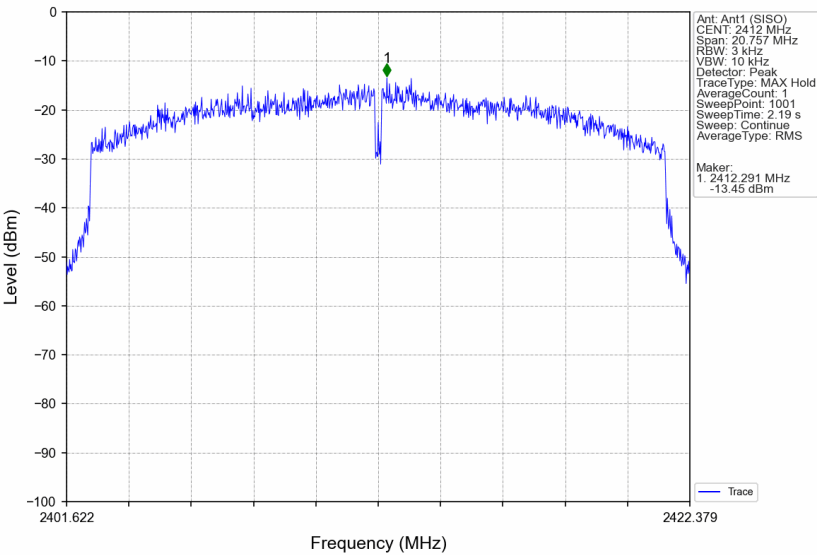
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTVN



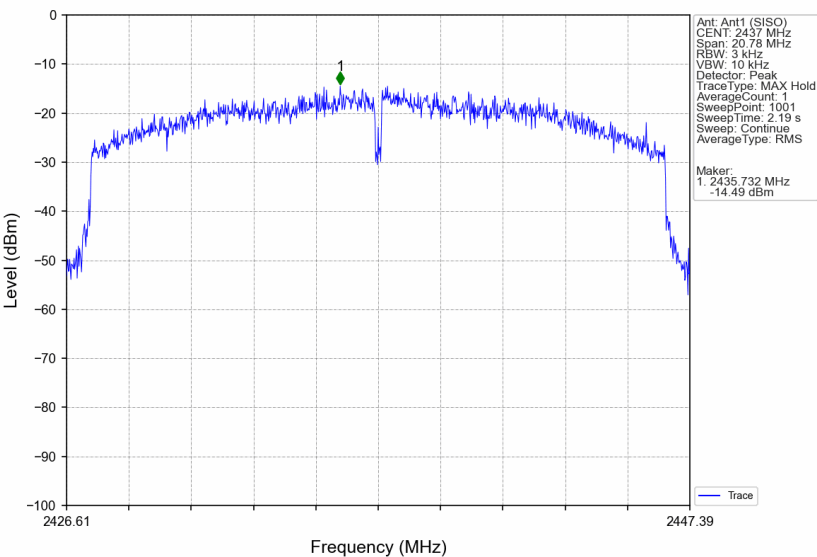
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTVN



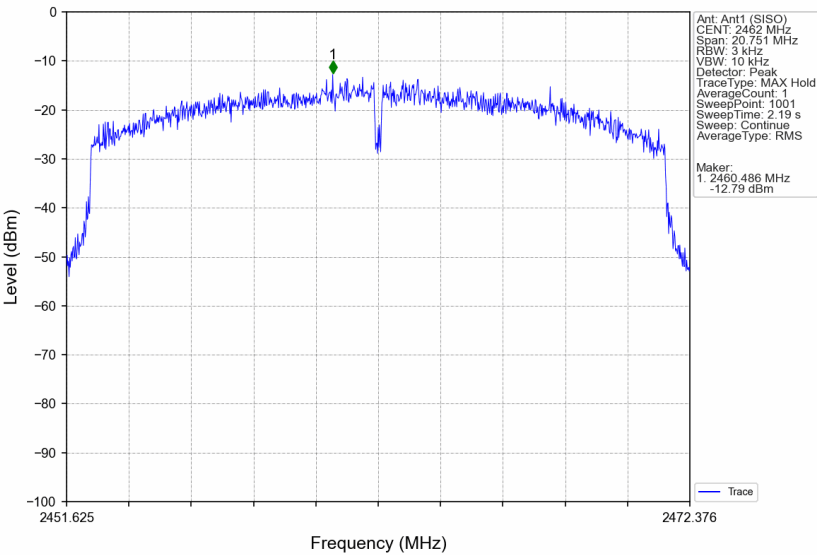
802.11ax(HE20) LCH 2412MHz RU242 Left Ant1 (SISO) NTN



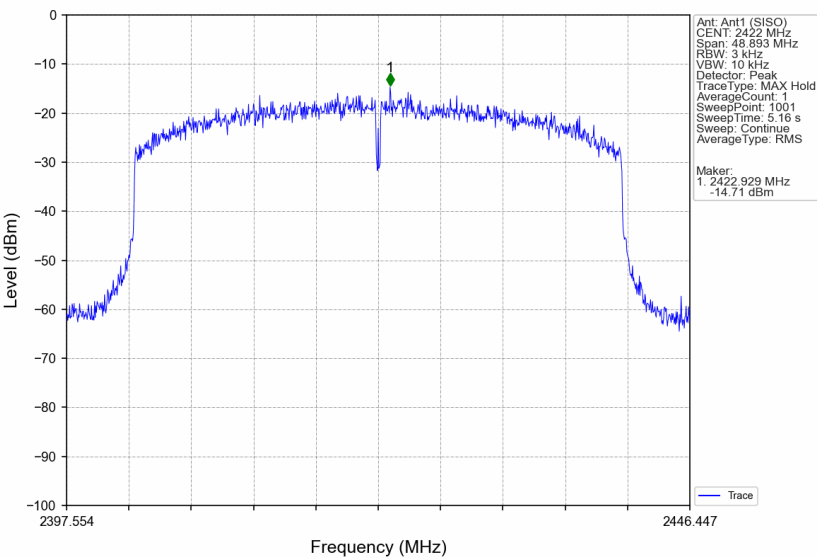
802.11ax(HE20) MCH 2437MHz RU242 Left Ant1 (SISO) NTN



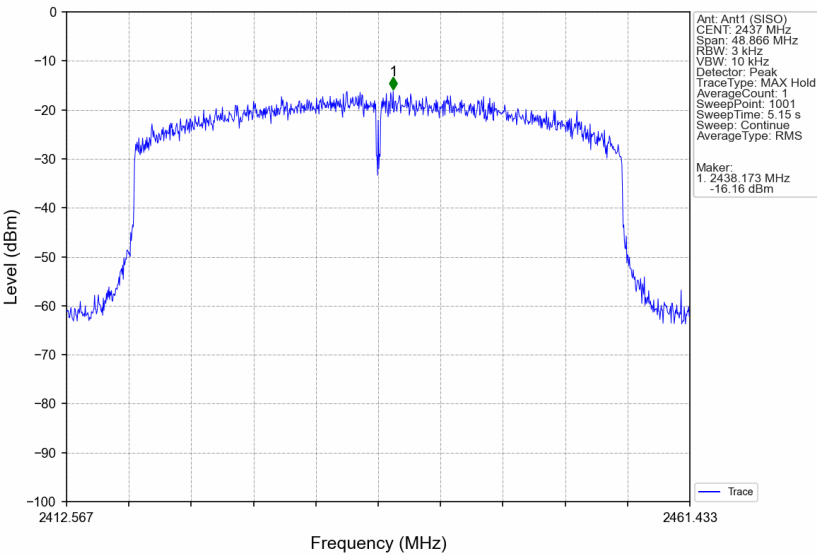
802.11ax(HE20) HCH 2462MHz RU242 Left Ant1 (SISO) NTNv



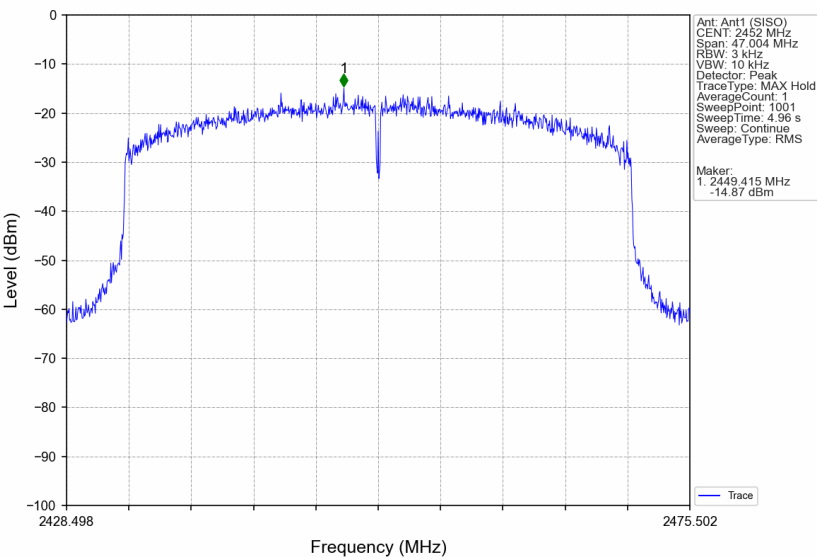
802.11ax(HE40) LCH 2422MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HE40) MCH 2437MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HE40) HCH 2452MHz RU484 Left Ant1 (SISO) NTNv



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	3.65
		2437	/	/	1	3.96
		2462	/	/	1	4.91
802.11g	SISO	2412	/	/	1	2.08
		2437	/	/	1	1.49
		2462	/	/	1	2.99
802.11n (HT20)	SISO	2412	/	/	1	2.17
		2437	/	/	1	1.87
		2462	/	/	1	2.97
802.11n (HT40)	SISO	2422	/	/	1	0.13
		2437	/	/	1	0.10
		2452	/	/	1	0.19
802.11ax (HE20)	SISO	2412	RU242	Left	1	2.02
		2437	RU242	Left	1	1.94
		2462	RU242	Left	1	2.80
802.11ax (HE40)	SISO	2422	RU484	Left	1	0.02
		2437	RU484	Left	1	0.08
		2452	RU484	Left	1	0.04

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

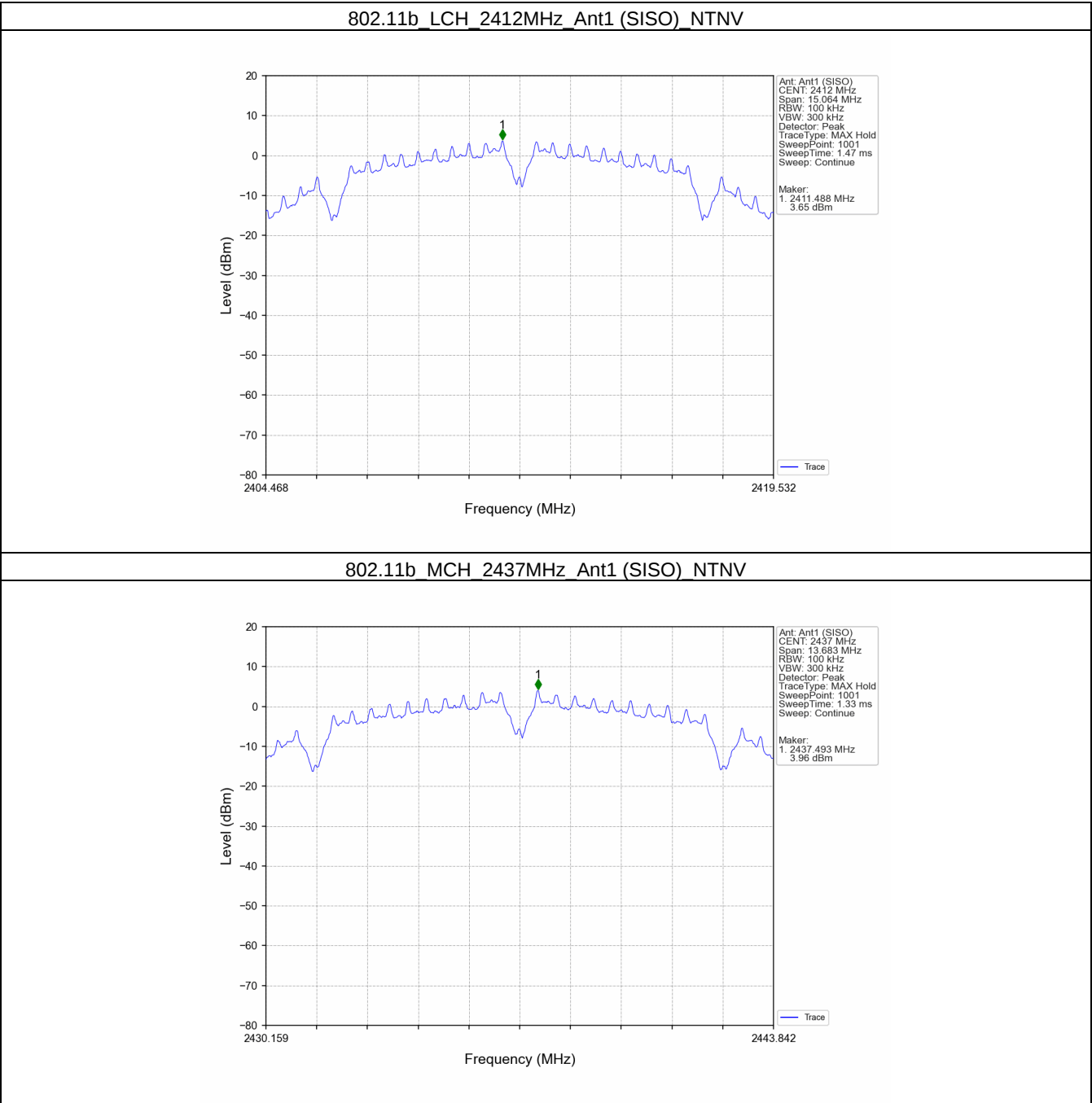
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	4.91	-25.09	Pass
		2437	/	/	1	4.91	-25.09	Pass
		2462	/	/	1	4.91	-25.09	Pass
802.11g	SISO	2412	/	/	1	2.99	-27.01	Pass
		2437	/	/	1	2.99	-27.01	Pass
		2462	/	/	1	2.99	-27.01	Pass
802.11n (HT20)	SISO	2412	/	/	1	2.97	-27.03	Pass
		2437	/	/	1	2.97	-27.03	Pass
		2462	/	/	1	2.97	-27.03	Pass
802.11n (HT40)	SISO	2422	/	/	1	0.19	-29.81	Pass
		2437	/	/	1	0.19	-29.81	Pass
		2452	/	/	1	0.19	-29.81	Pass
802.11ax (HE20)	SISO	2412	RU242	Left	1	2.80	-27.20	Pass
		2437	RU242	Left	1	2.80	-27.20	Pass
		2462	RU242	Left	1	2.80	-27.20	Pass
802.11ax	SISO	2422	RU484	Left	1	0.08	-29.92	Pass

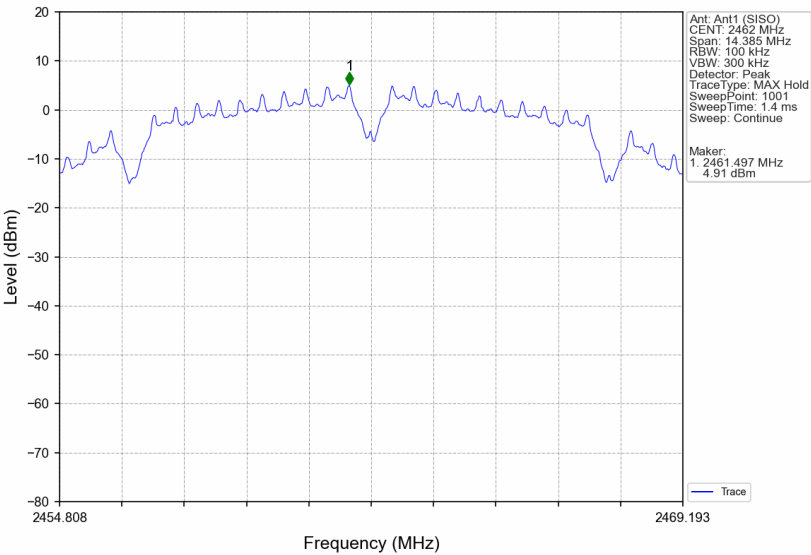
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2 Test Graph

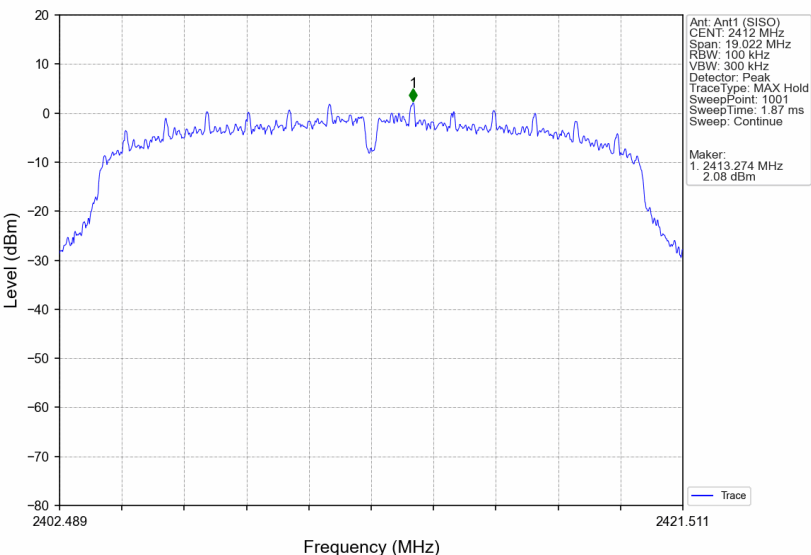
5.2.1 Ref



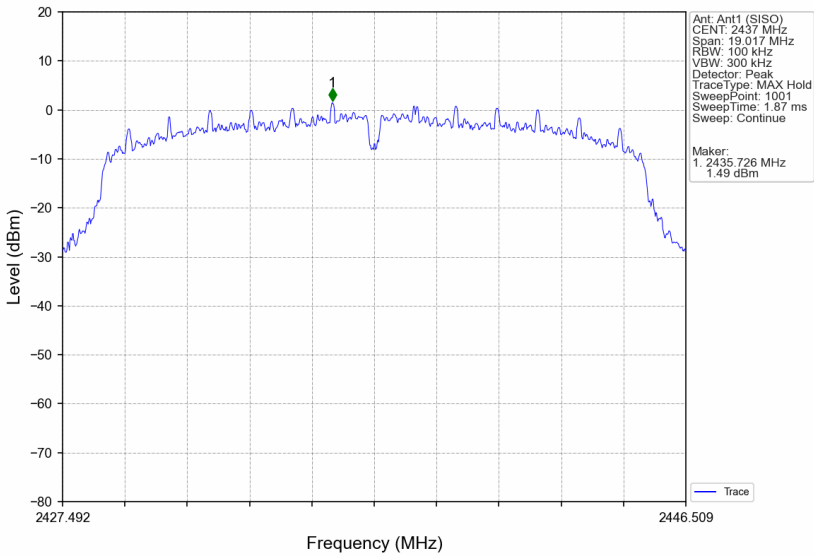
802.11b HCH 2462MHz Ant1 (SISO) NTNV



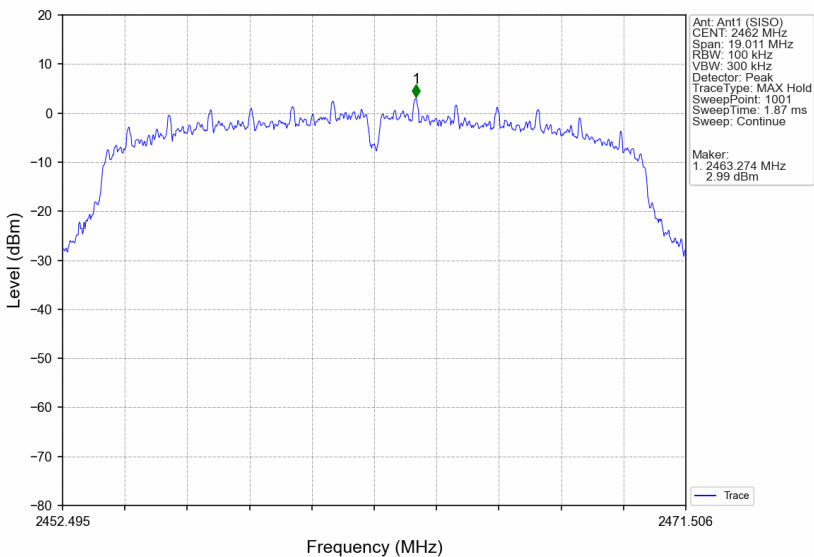
802.11g LCH 2412MHz Ant1 (SISO) NTNV



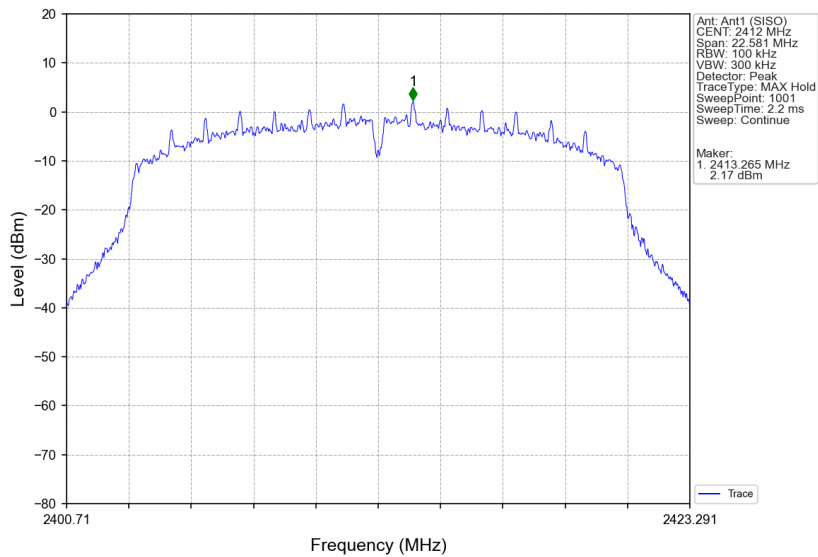
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



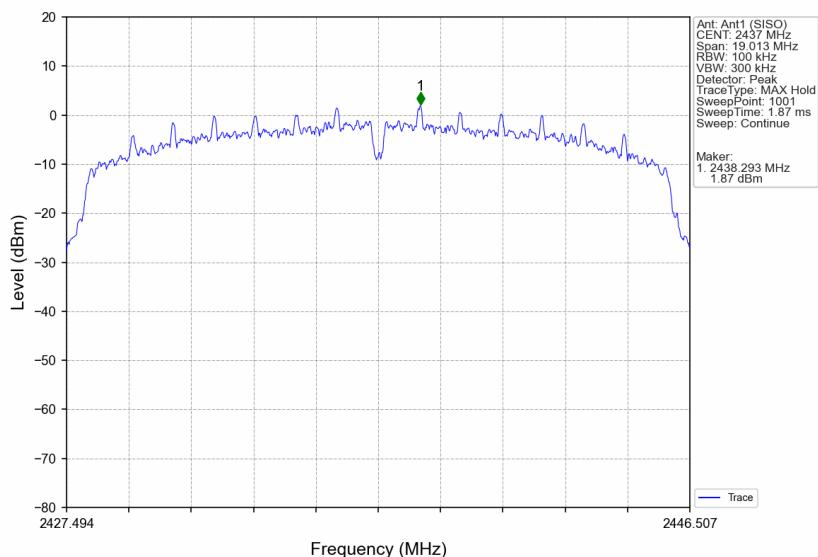
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



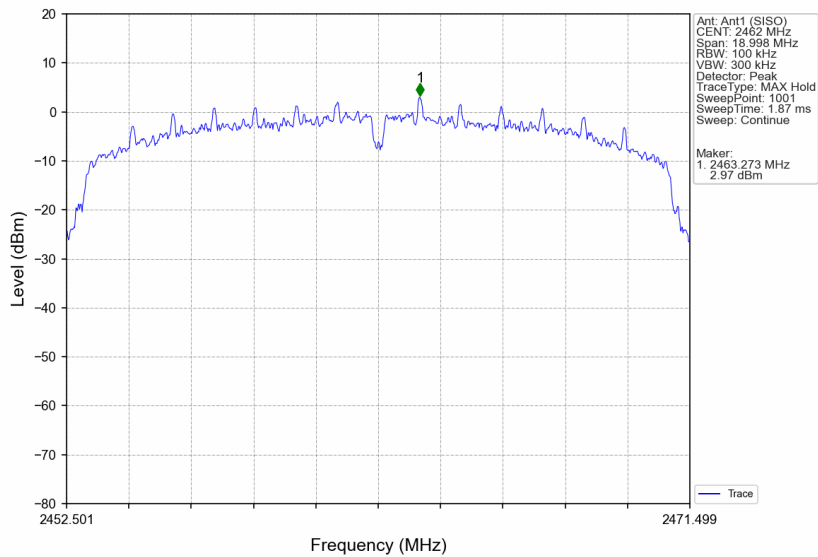
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTN



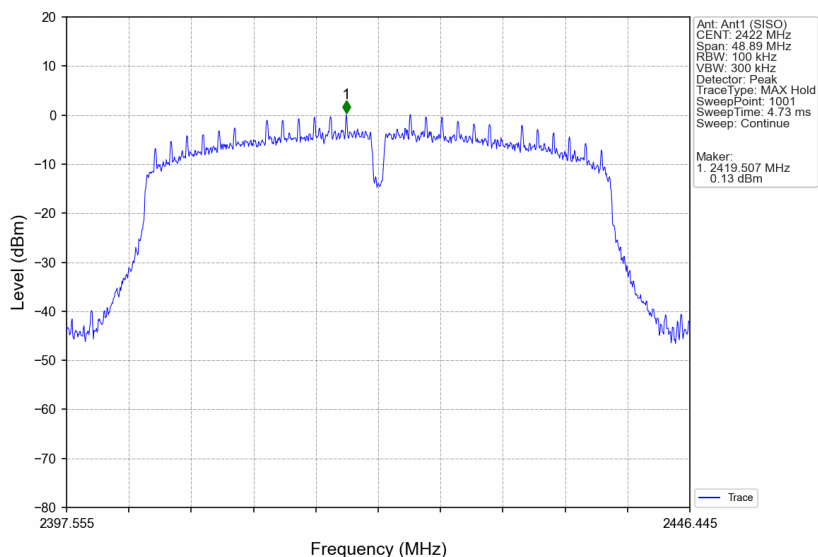
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTN



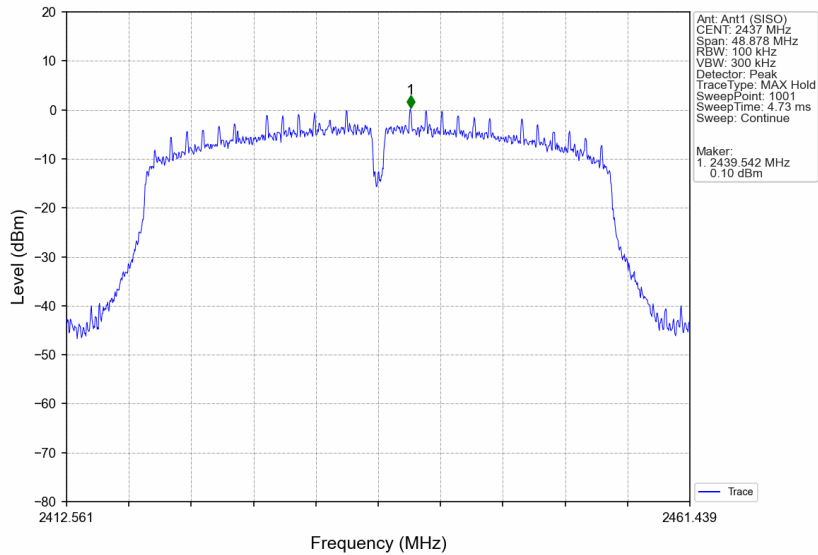
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN



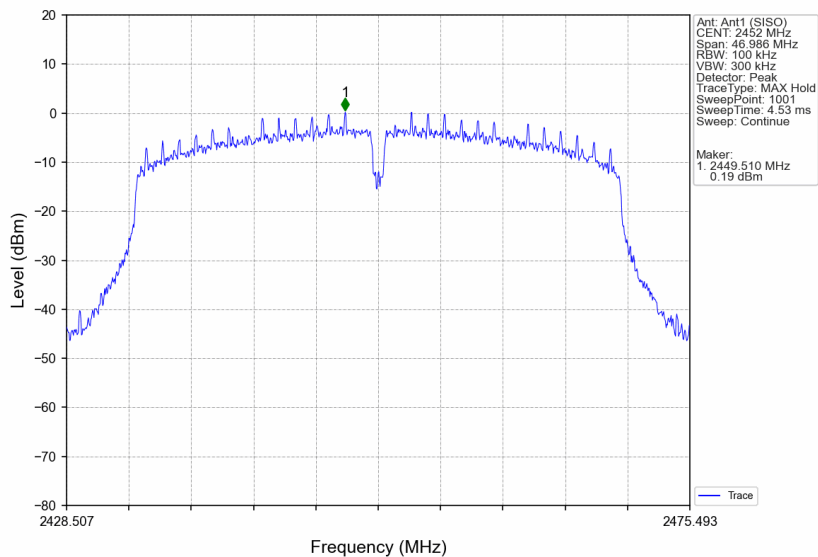
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTN



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



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



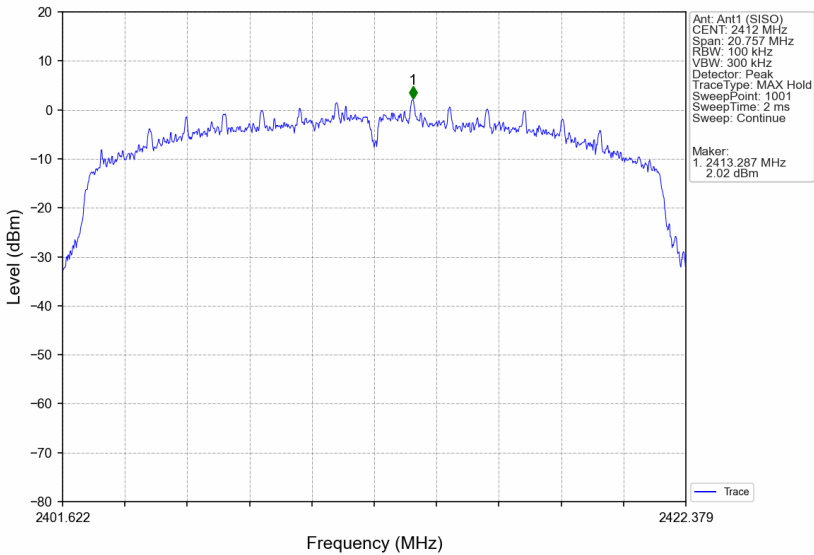
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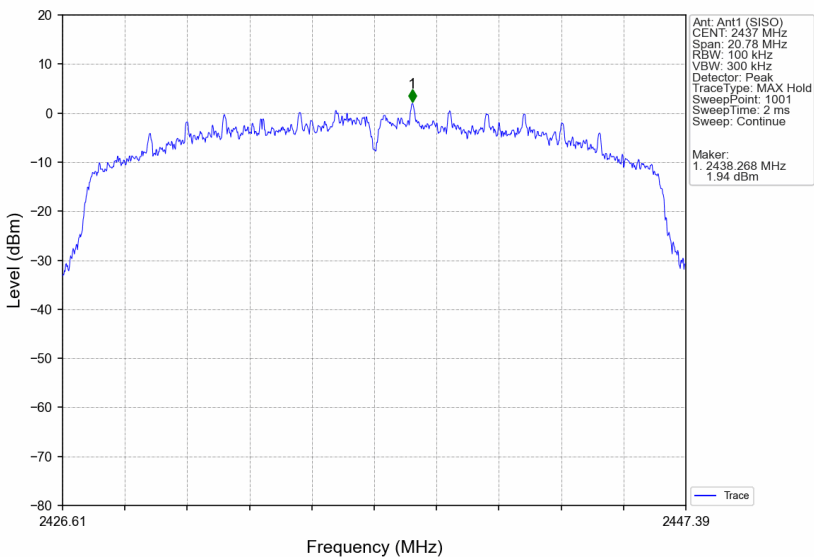
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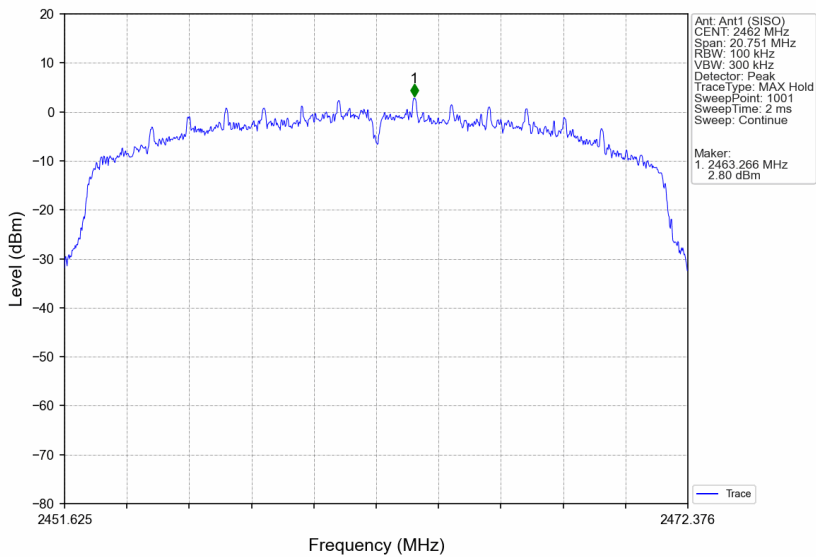
802.11ax(HE20) LCH 2412MHz RU242 Left Ant1 (SISO) NTN



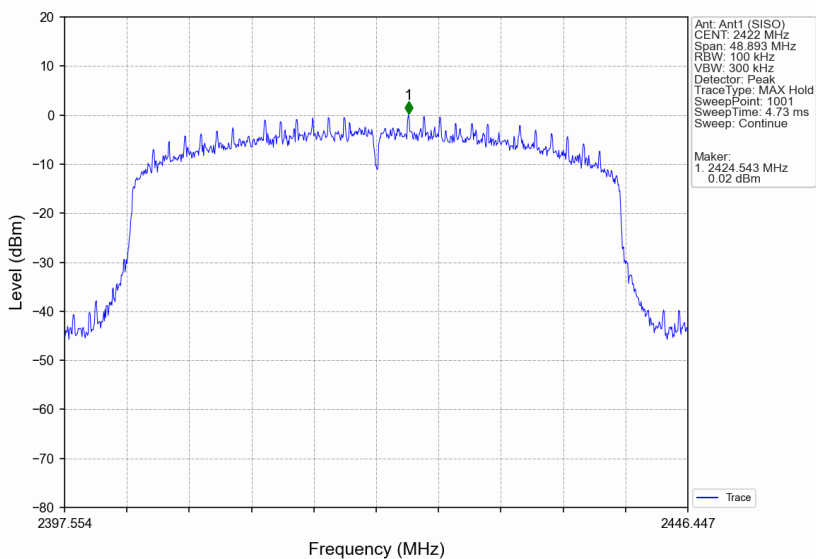
802.11ax(HE20) MCH 2437MHz RU242 Left Ant1 (SISO) NTN



802.11ax(HE20) HCH 2462MHz RU242 Left Ant1 (SISO) NTNv



802.11ax(HE40) LCH 2422MHz RU484 Left Ant1 (SISO) NTNv



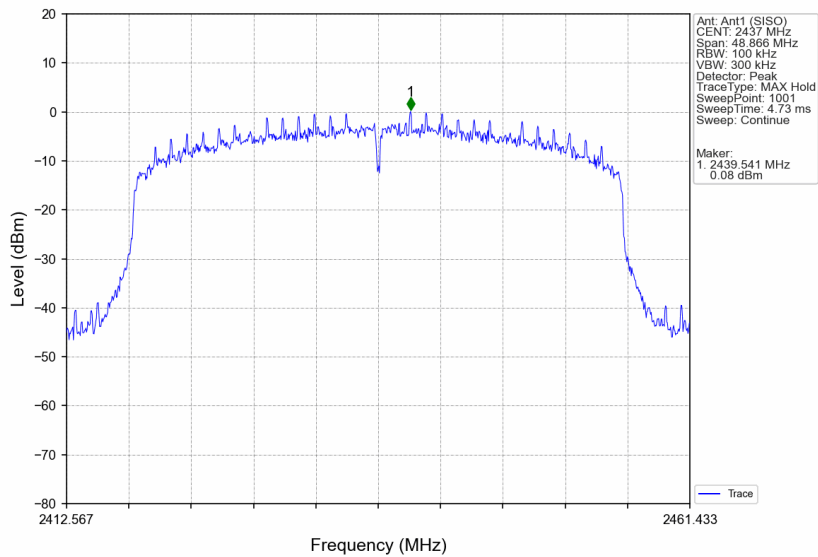
Compliance Certification Services (Kunshan) Inc.

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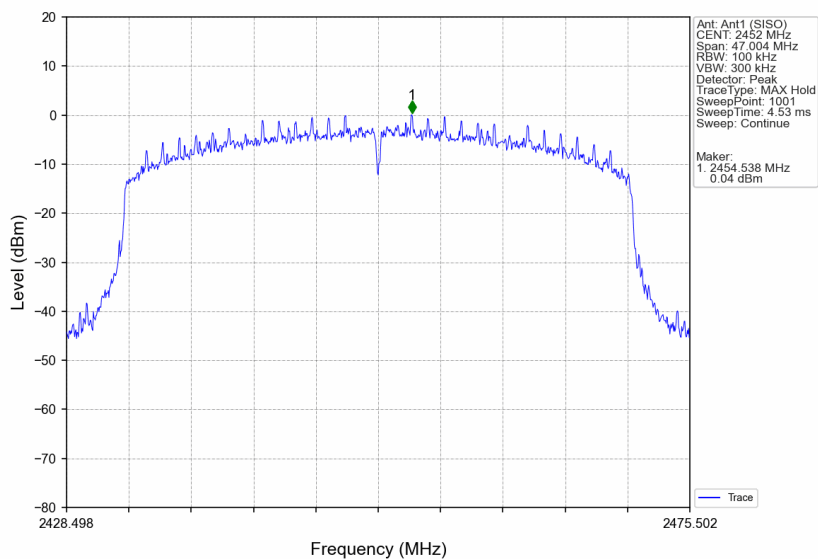
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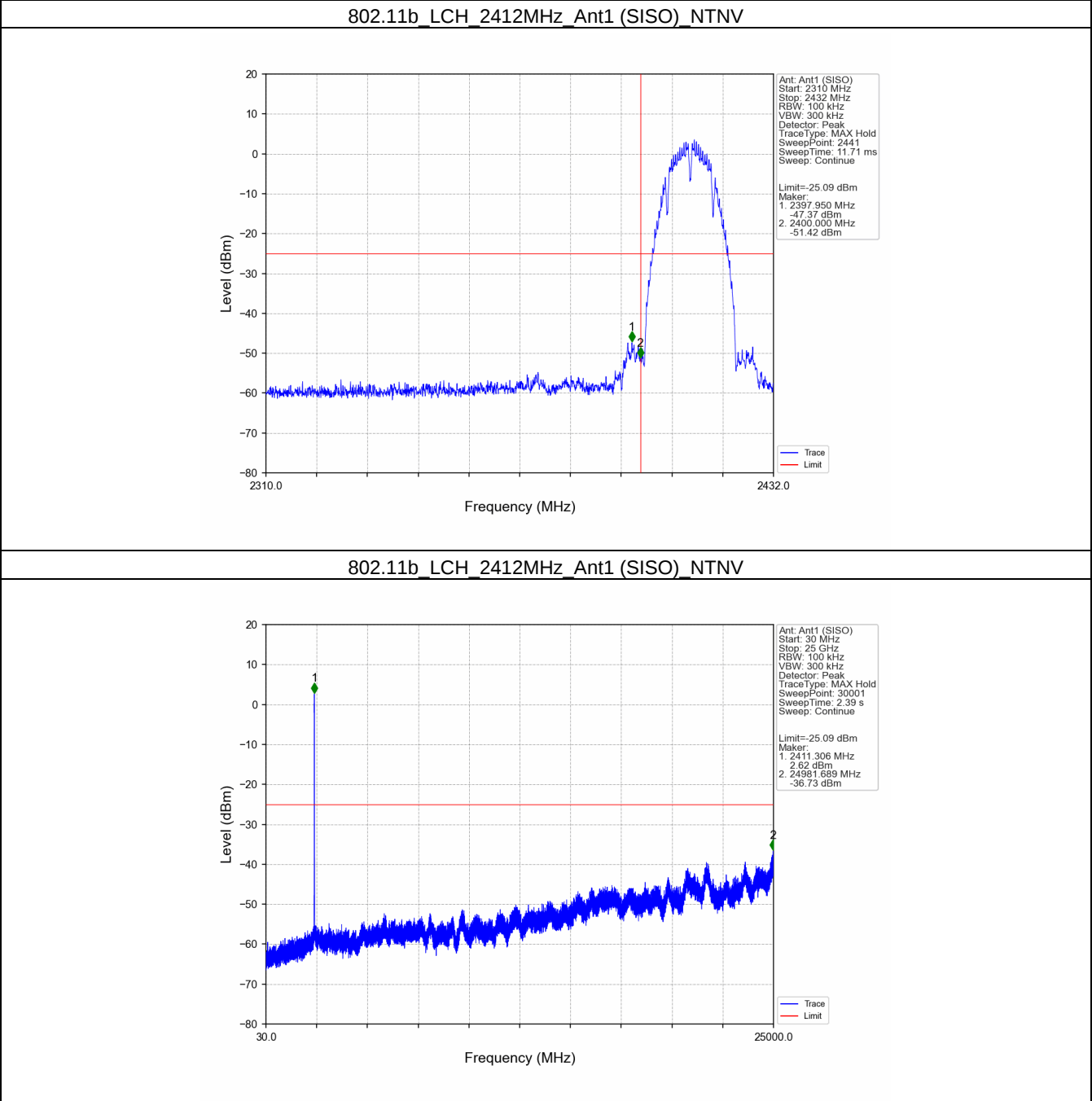
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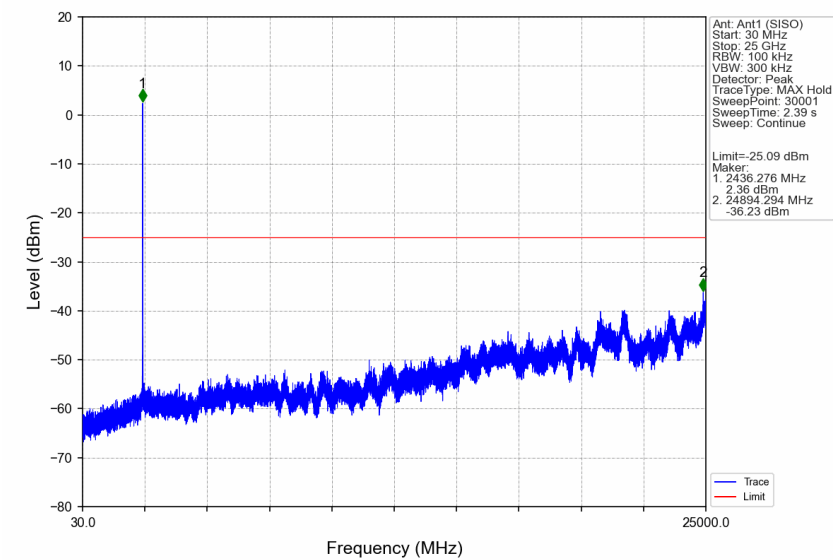
802.11ax(HE40) HCH 2452MHz RU484 Left Ant1 (SISO) NTNv



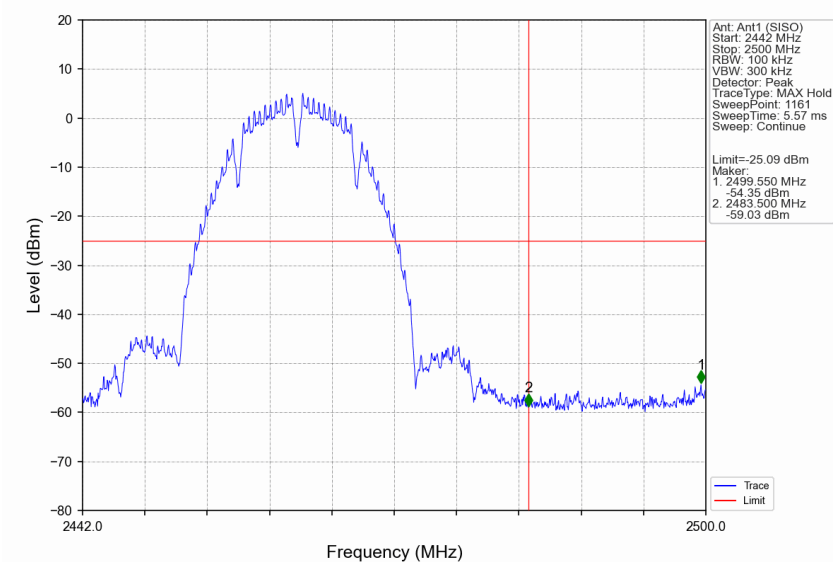
5.2.2 CSE



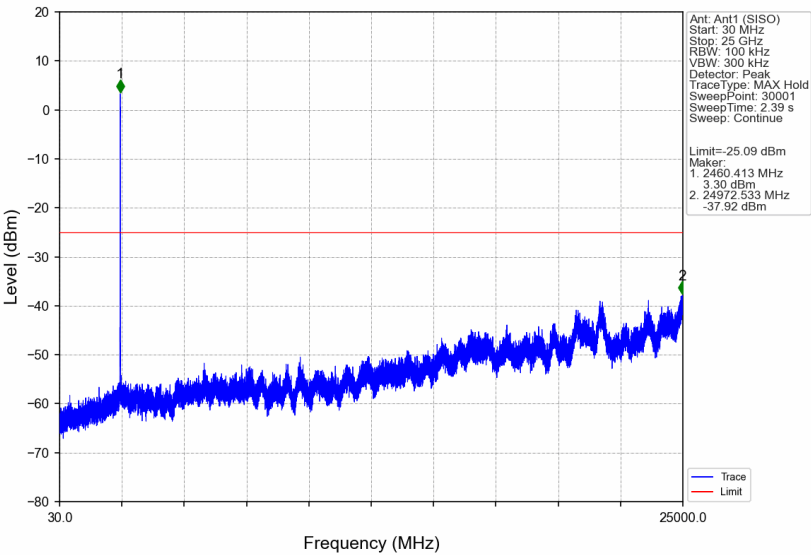
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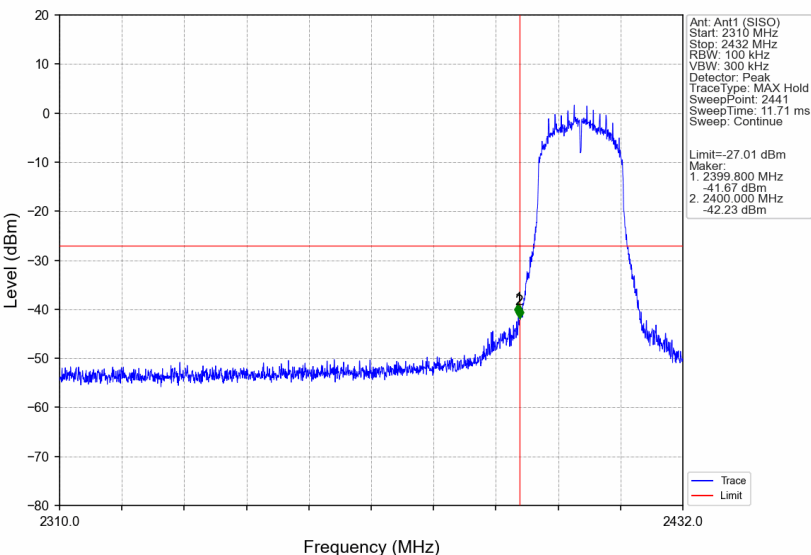
802.11b HCH 2462MHz Ant1 (SISO) NTN



802.11b HCH 2462MHz Ant1 (SISO) NTNV



802.11g LCH 2412MHz Ant1 (SISO) NTNV



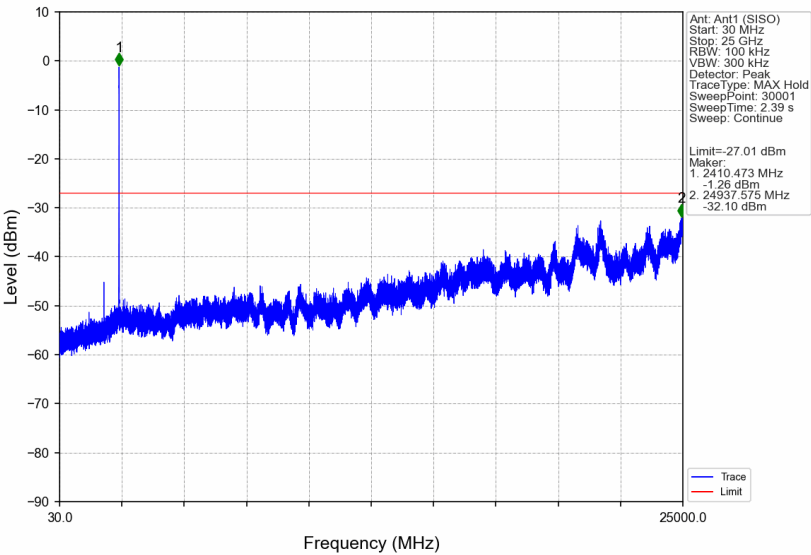
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

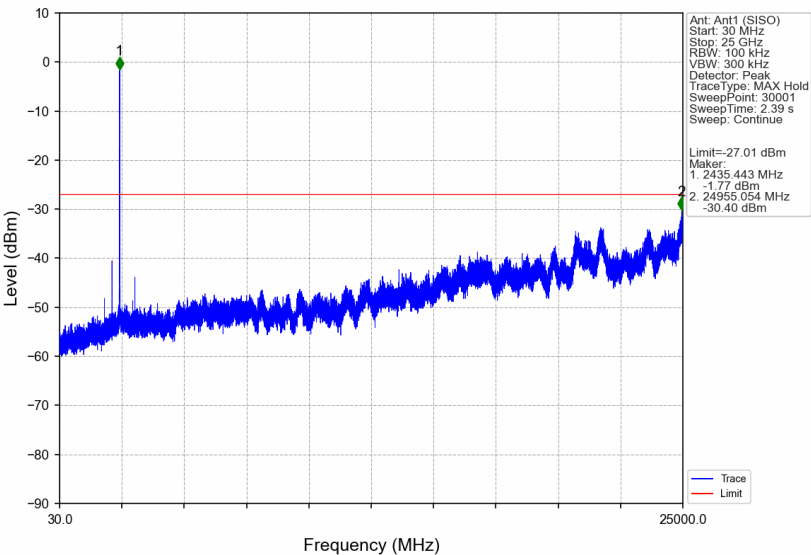
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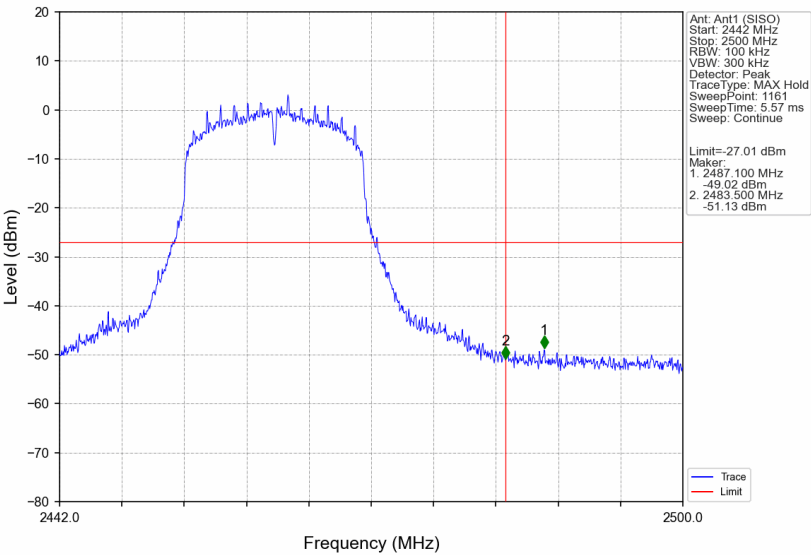
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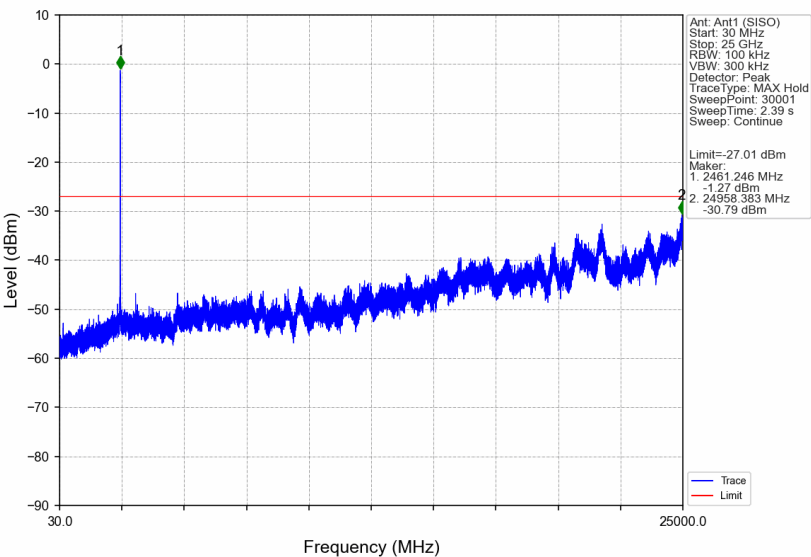
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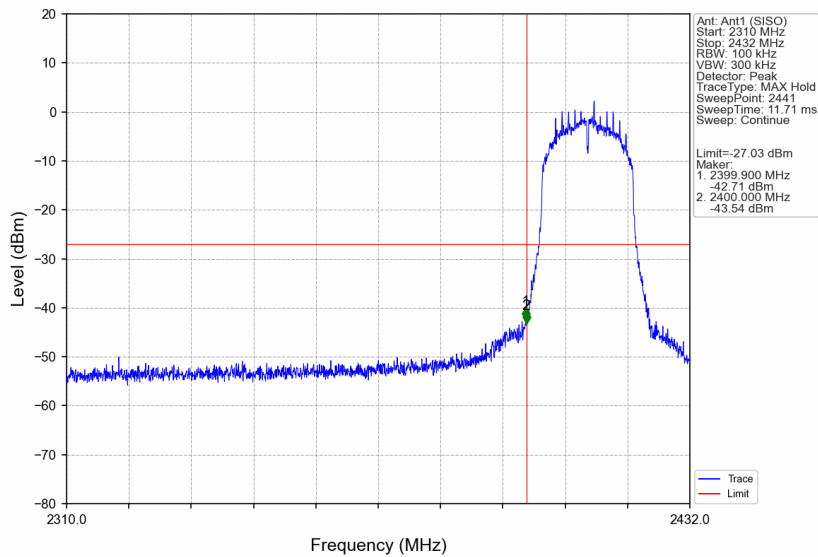
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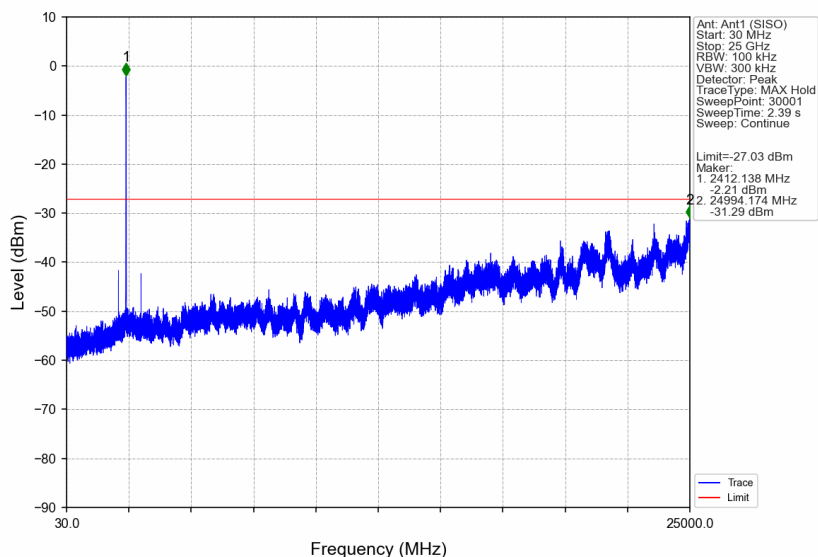
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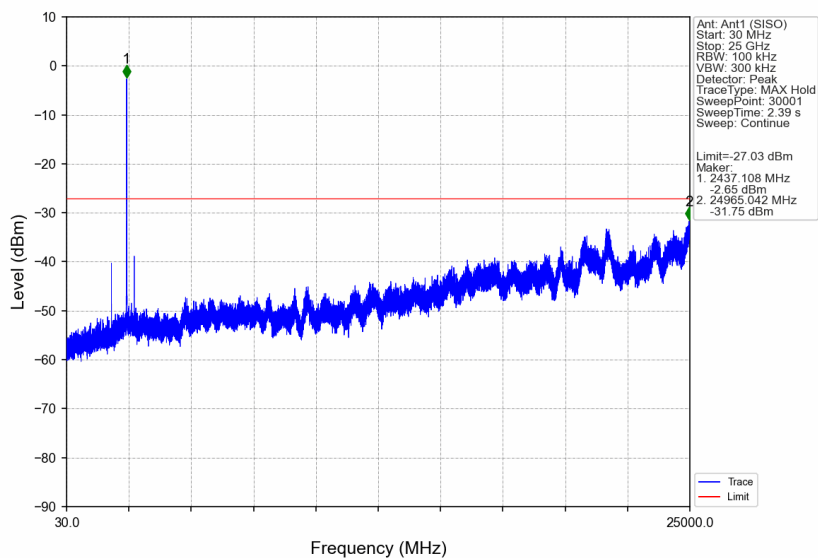
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNv



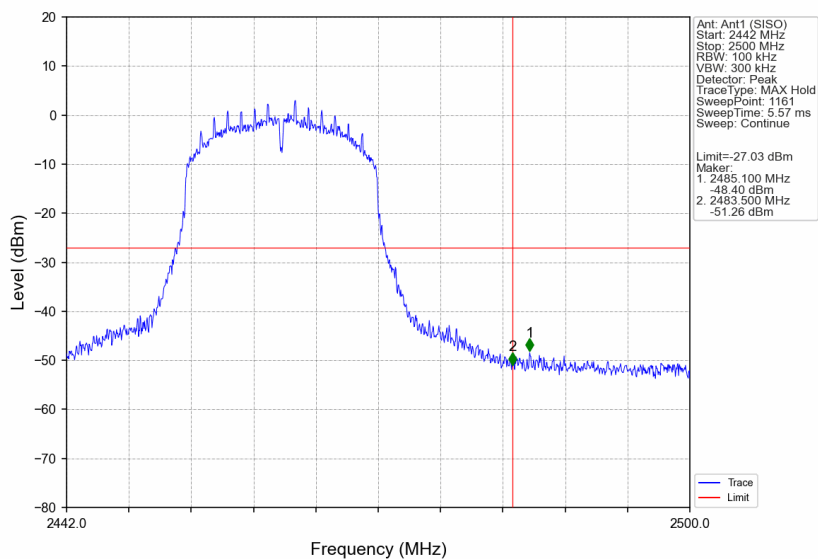
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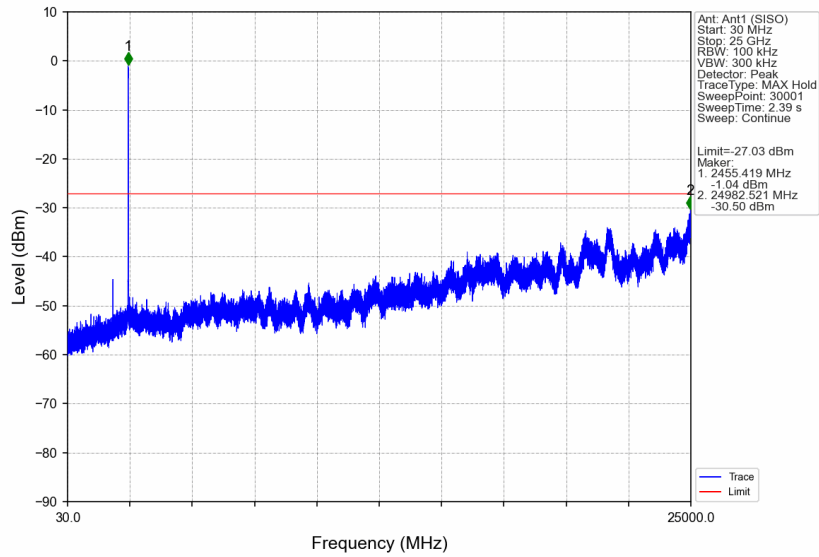
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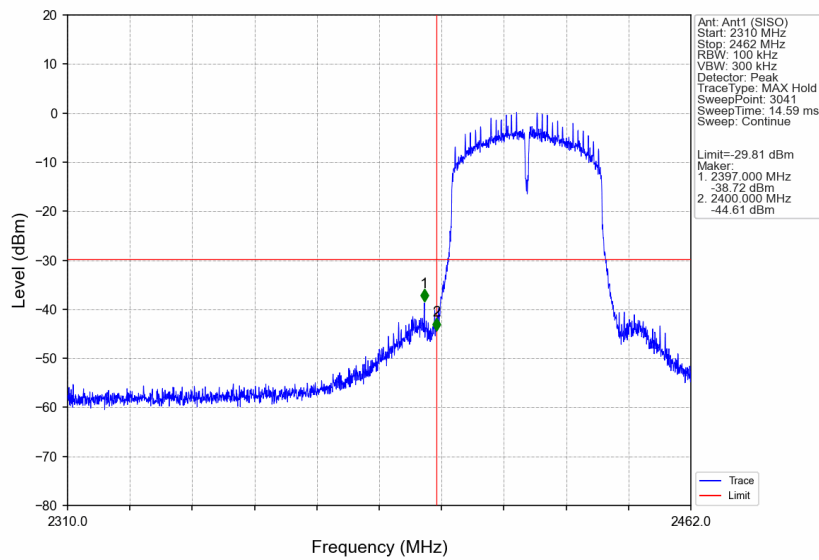
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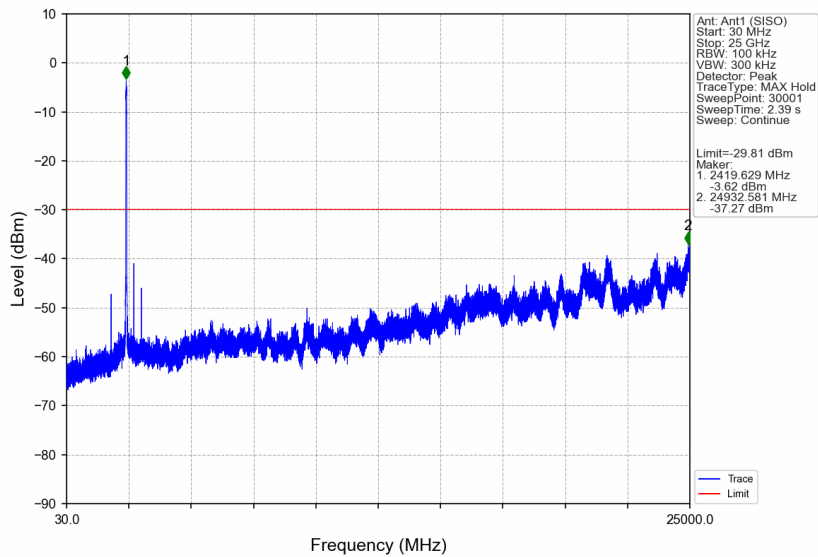
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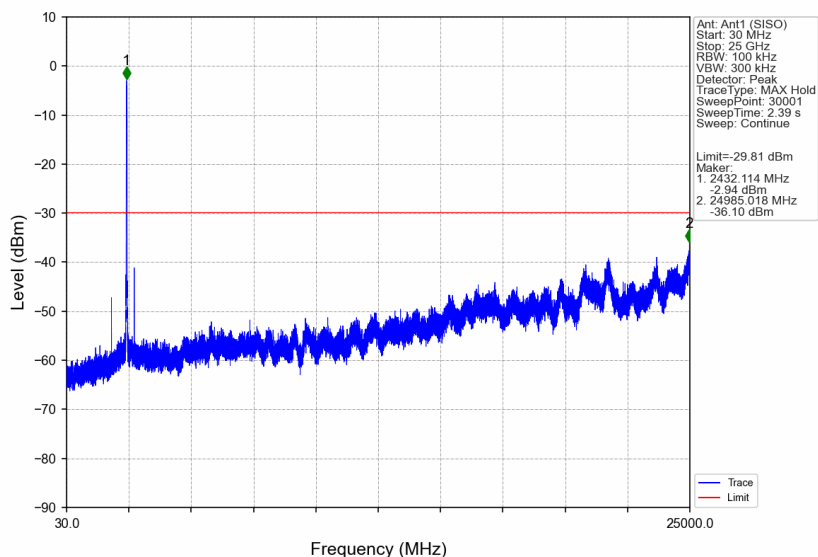
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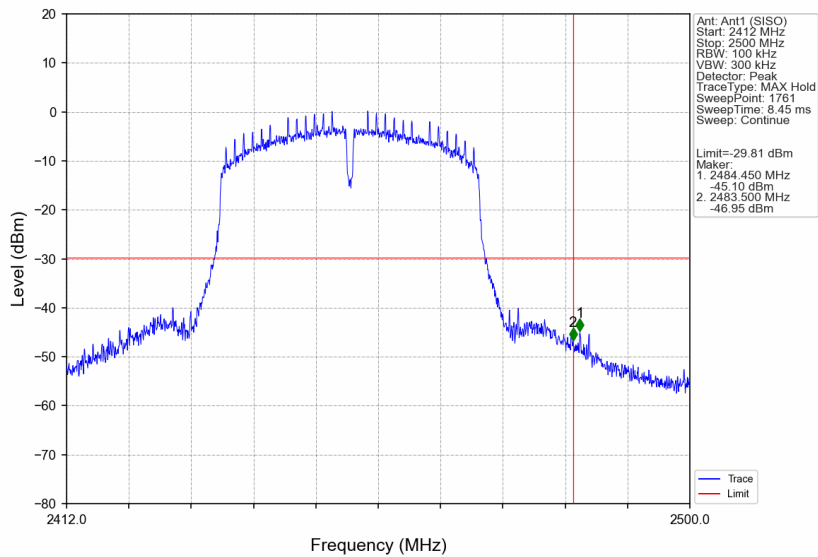
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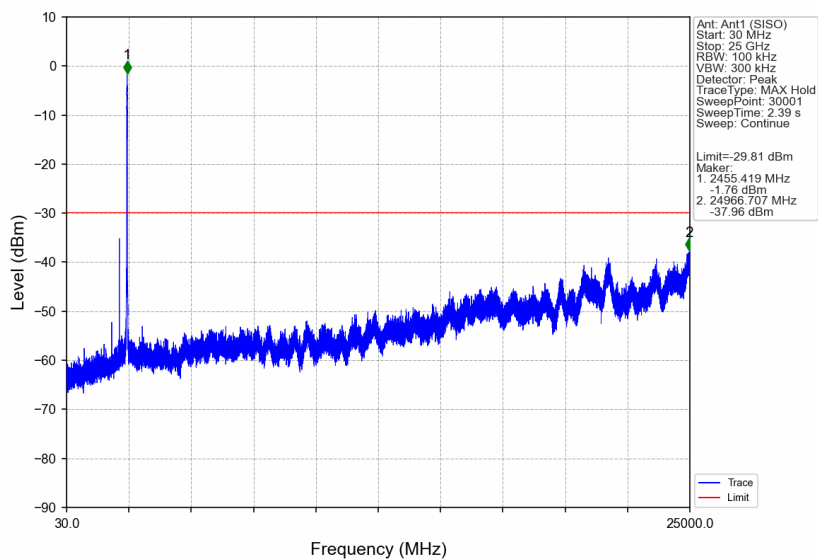
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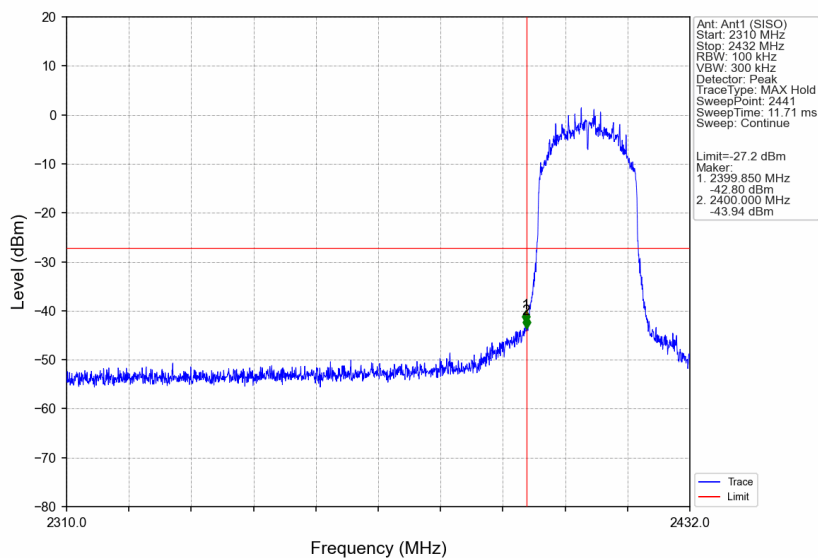
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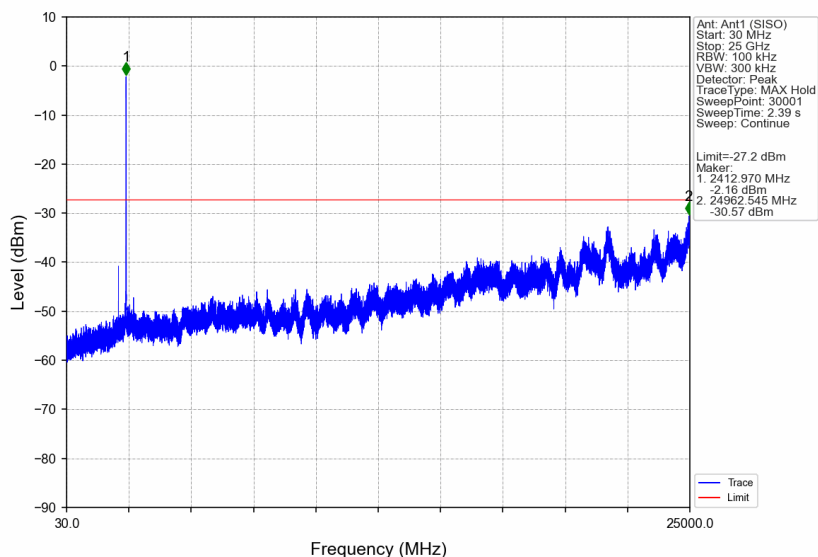
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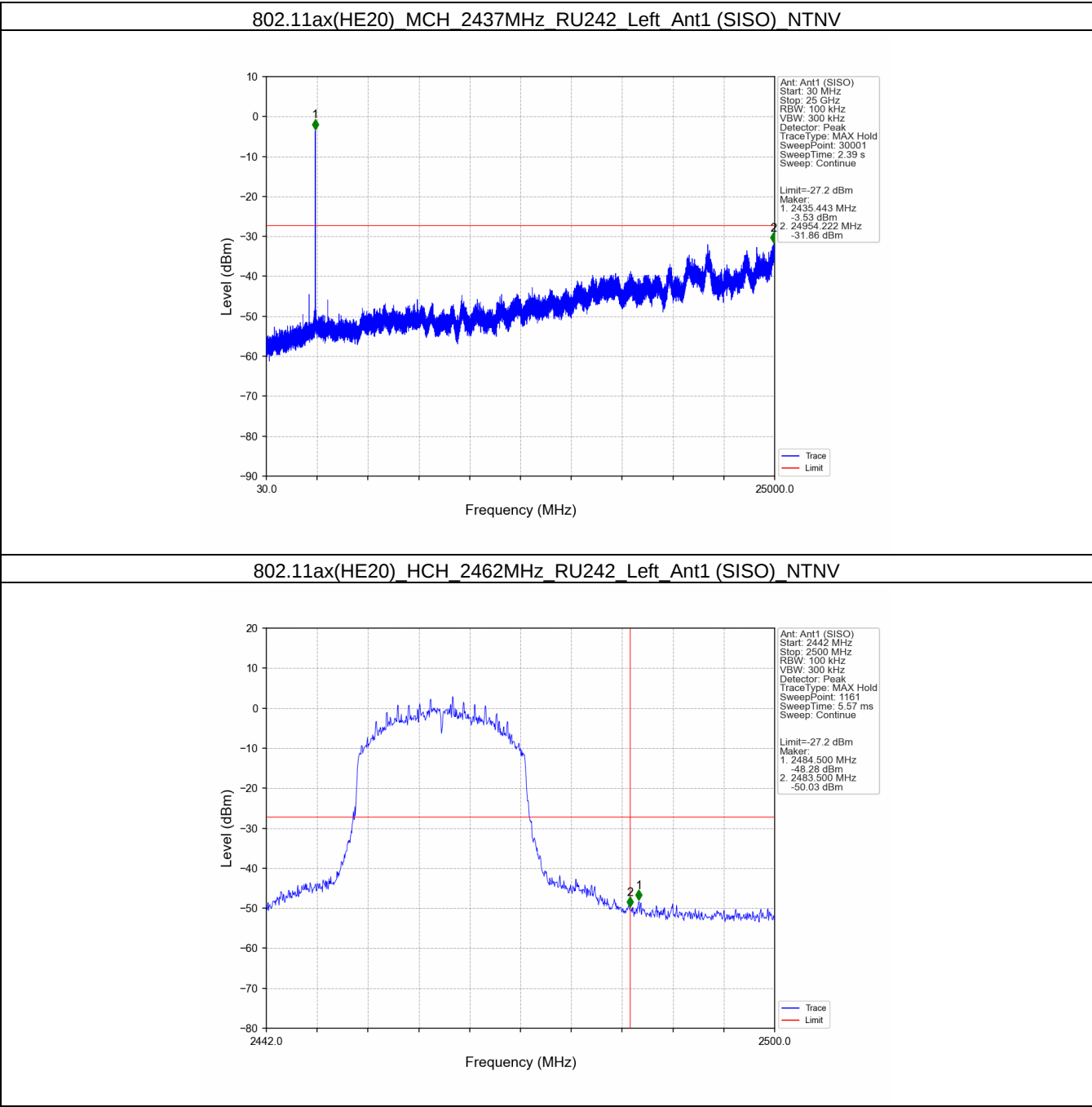


802.11ax(HE20) LCH 2412MHz RU242 Left Ant1 (SISO) NTNv

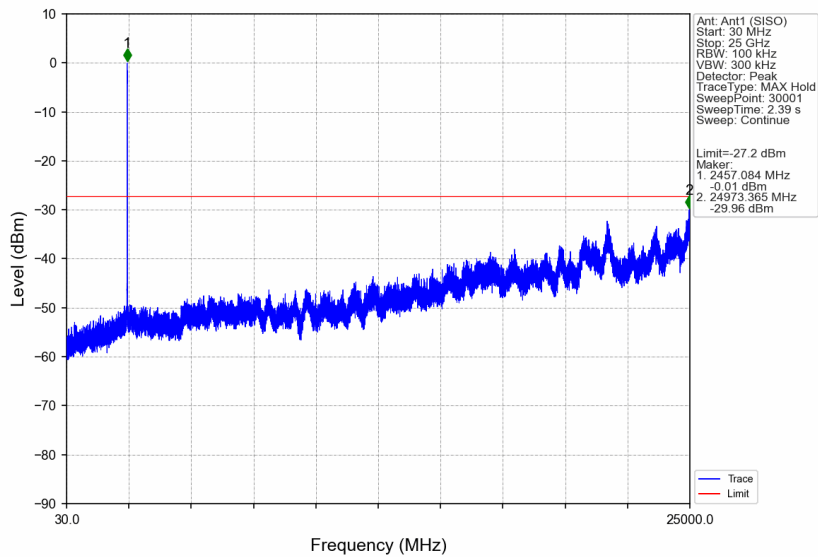


802.11ax(HE20) LCH 2412MHz RU242 Left Ant1 (SISO) NTNv

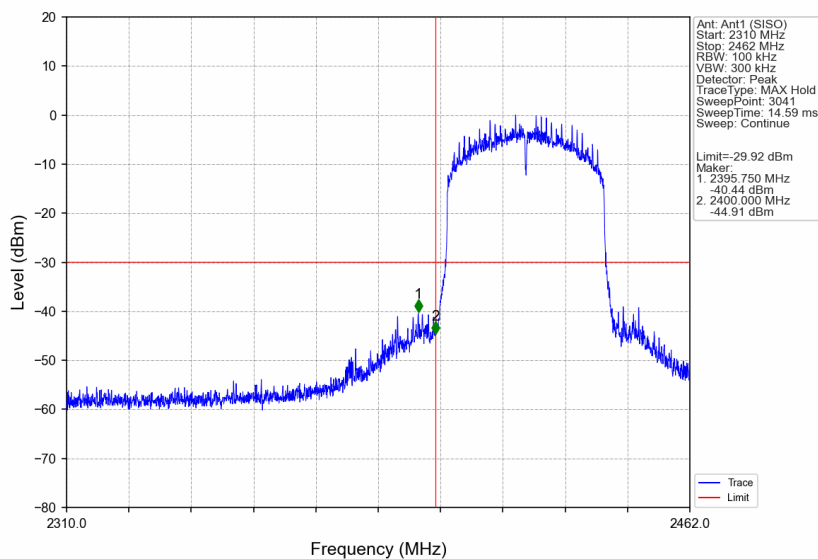




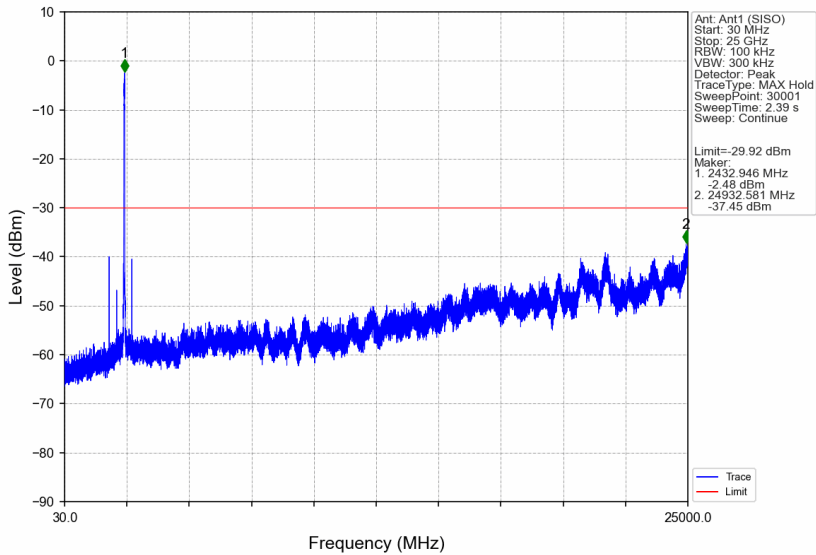
802.11ax(HE20) HCH 2462MHz RU242 Left Ant1 (SISO) NTNv



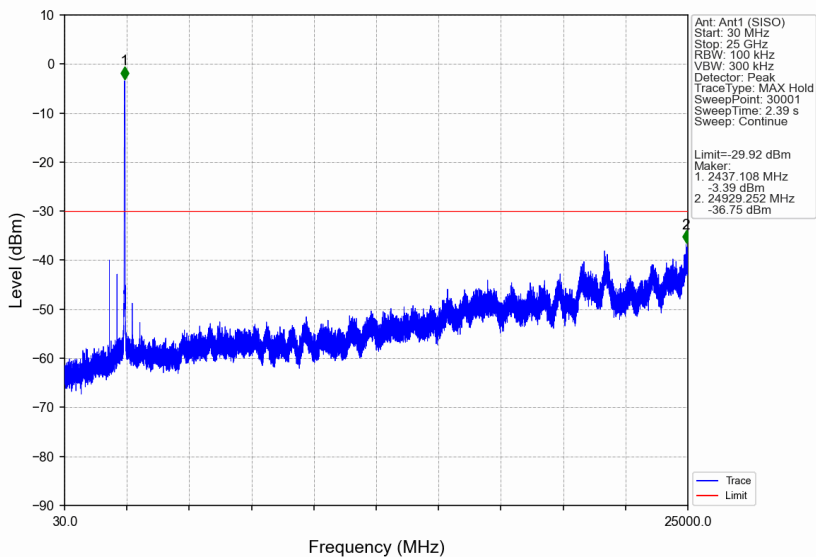
802.11ax(HE40) LCH 2422MHz RU484 Left Ant1 (SISO) NTNv



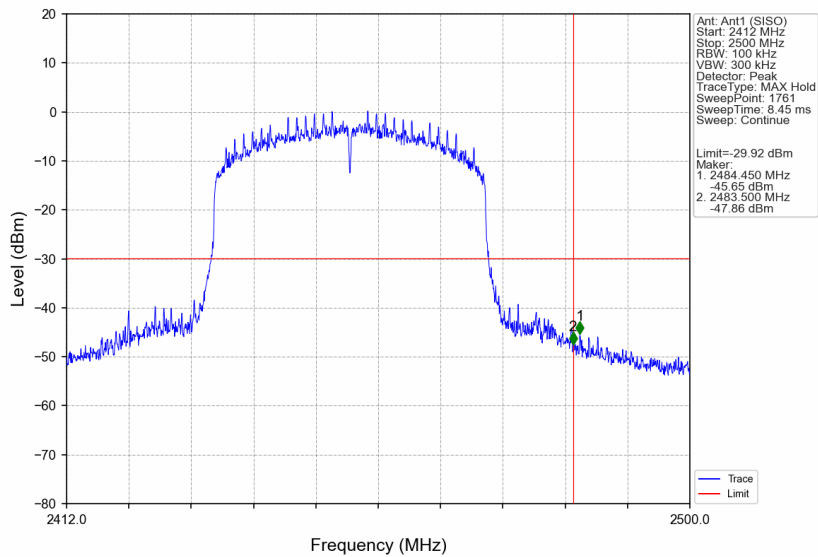
802.11ax(HE40) LCH 2422MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HE40) MCH 2437MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HE40) HCH 2452MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HE40) HCH 2452MHz RU484 Left Ant1 (SISO) NTNv

