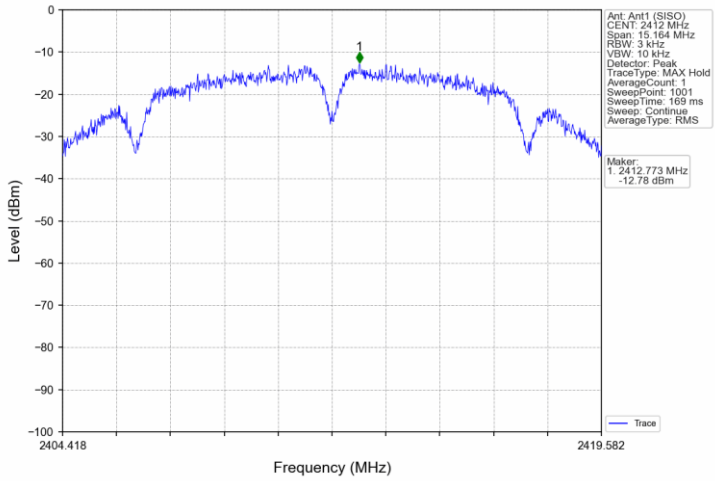
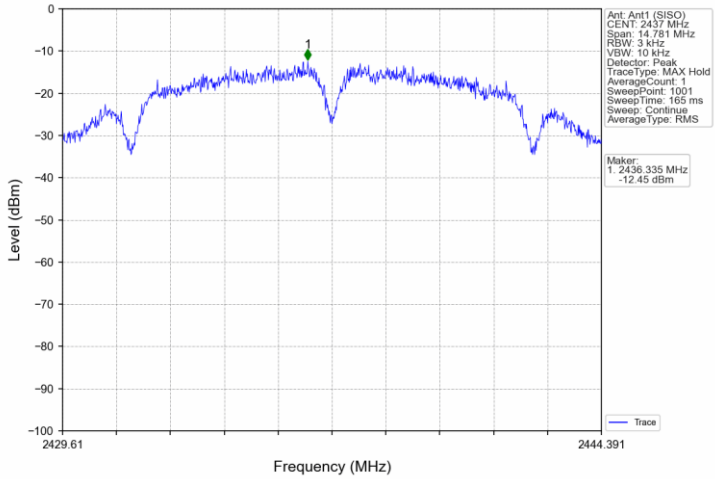
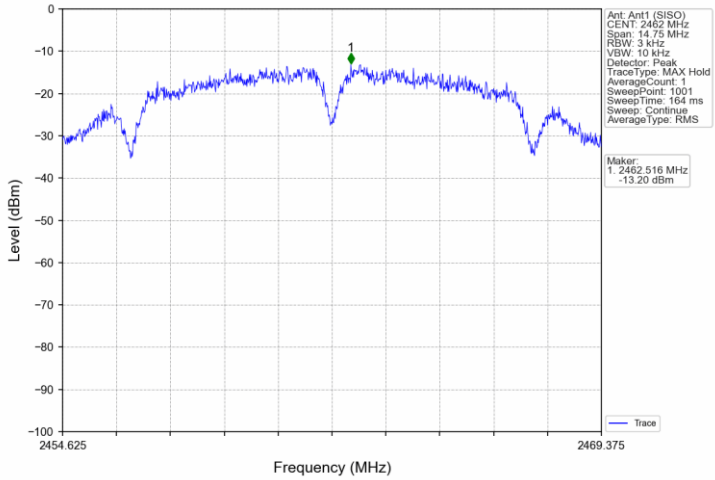
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



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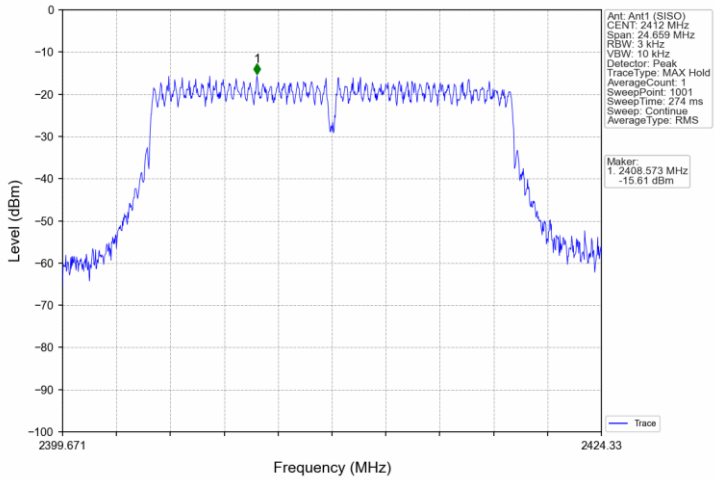
802.11g_LCH_2412MHz_Ant2(SISO)_NTNV



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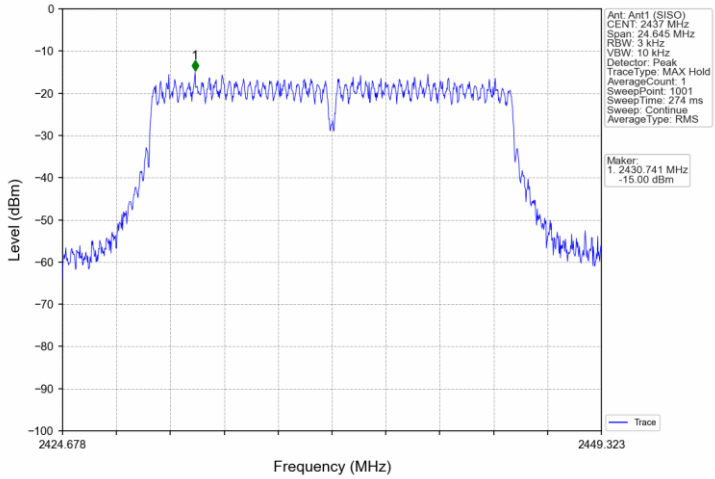

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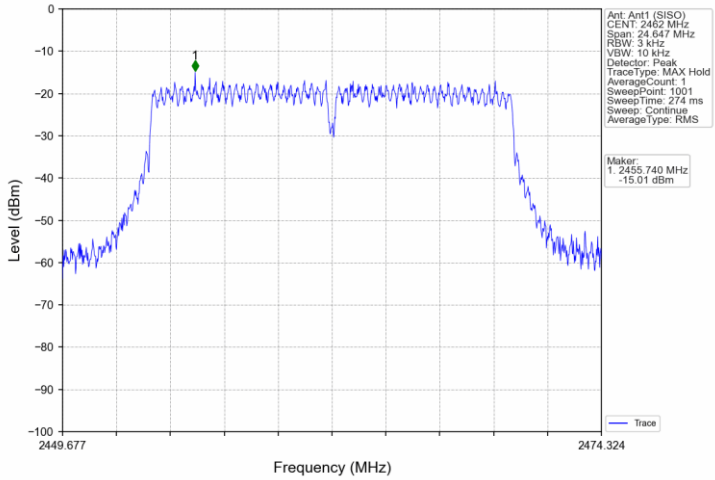

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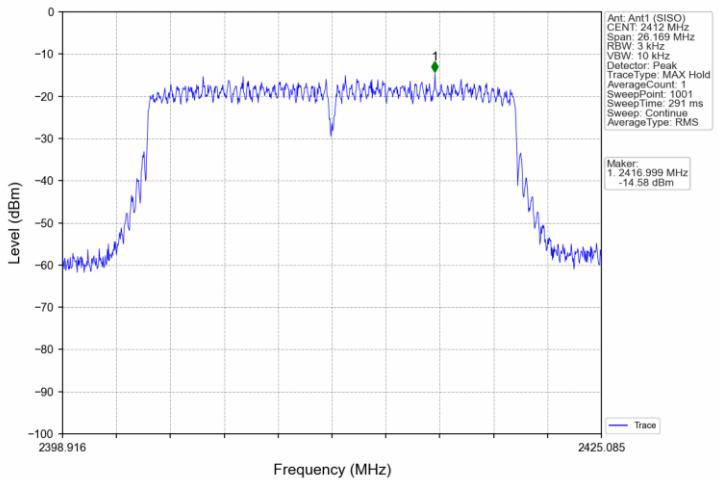
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



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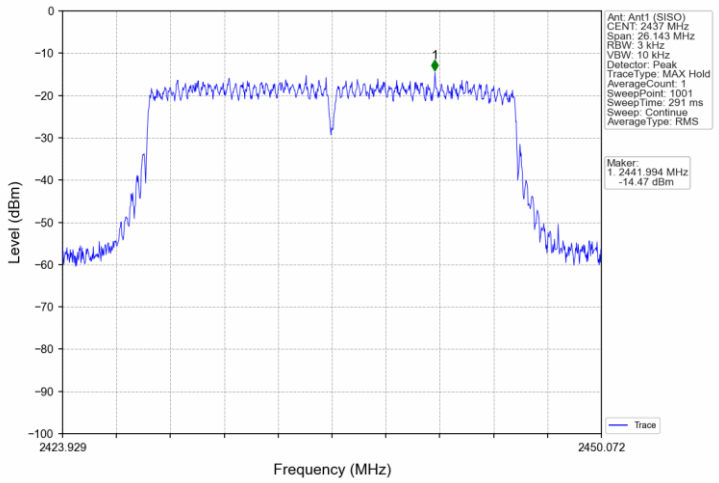

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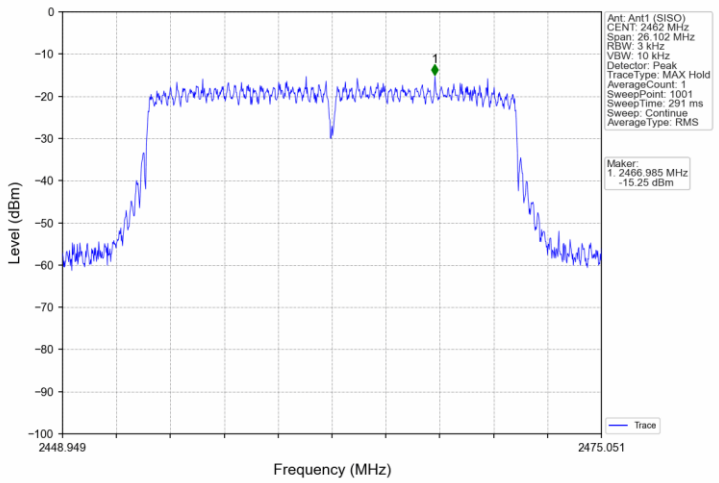

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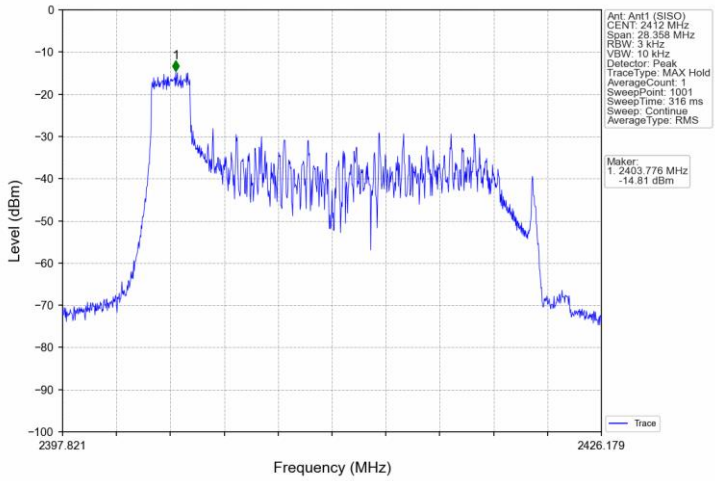
802.11ax(HEW20)_LCH_2412MHz_RU26_0_Ant2(SISO)_NTNV



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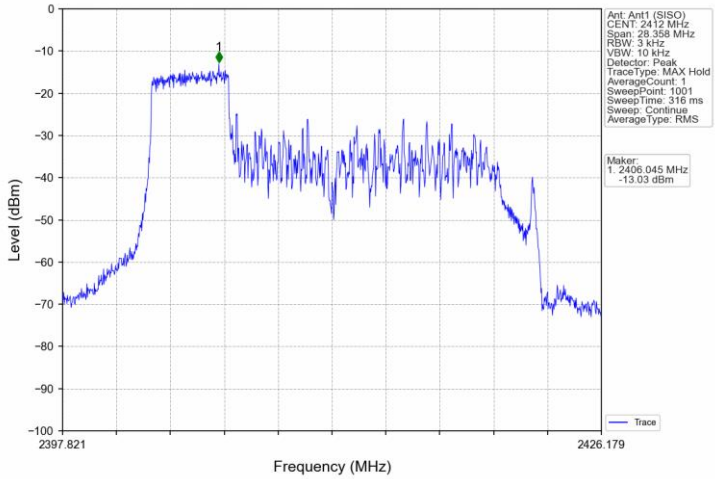

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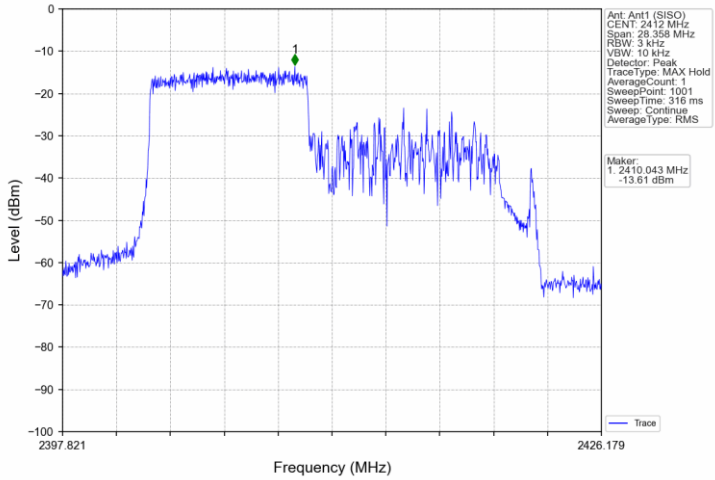

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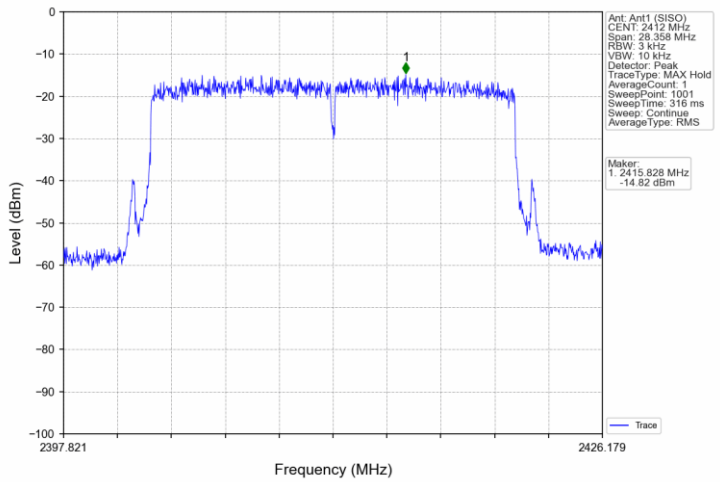

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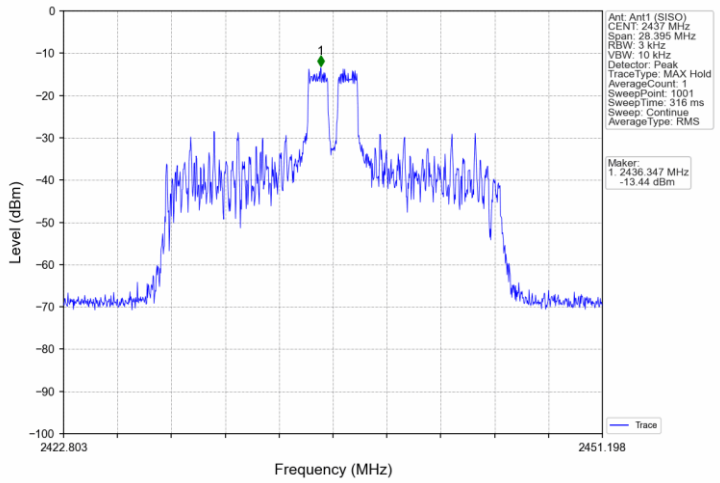
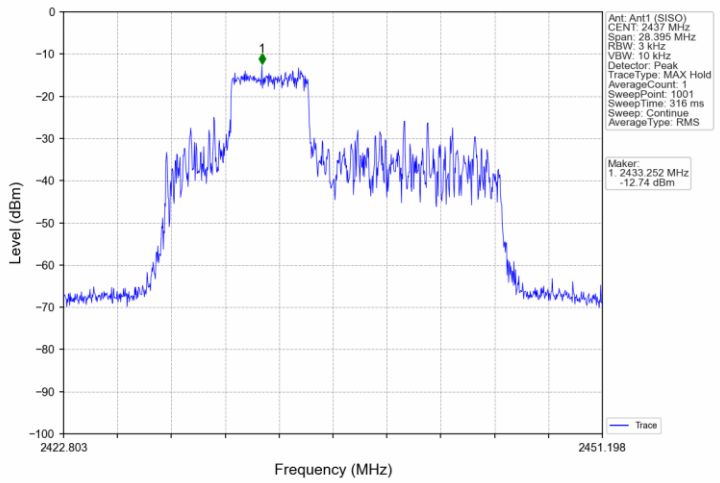


802.11ax(HEW20)_MCH_2437MHz_RU52_38_Ant2 (SISO)_NTNV



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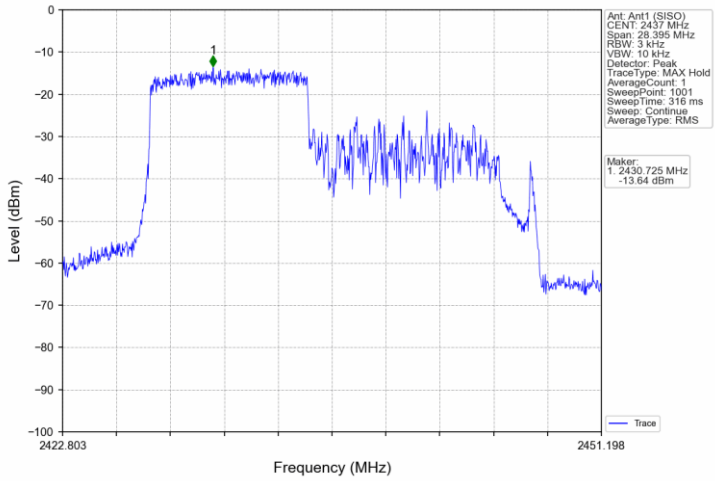

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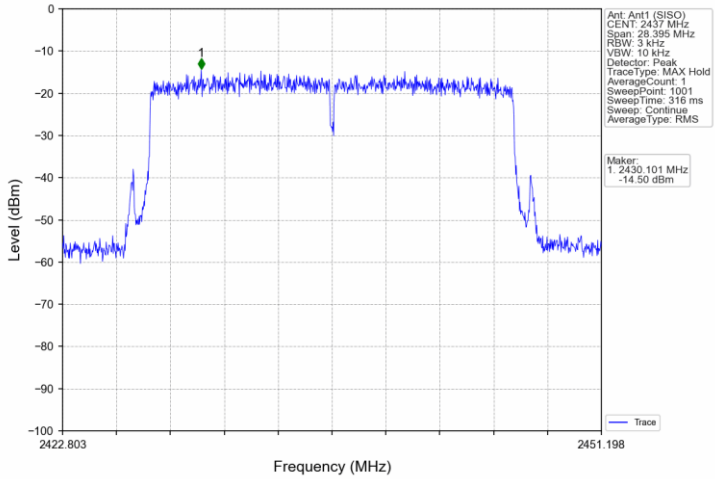

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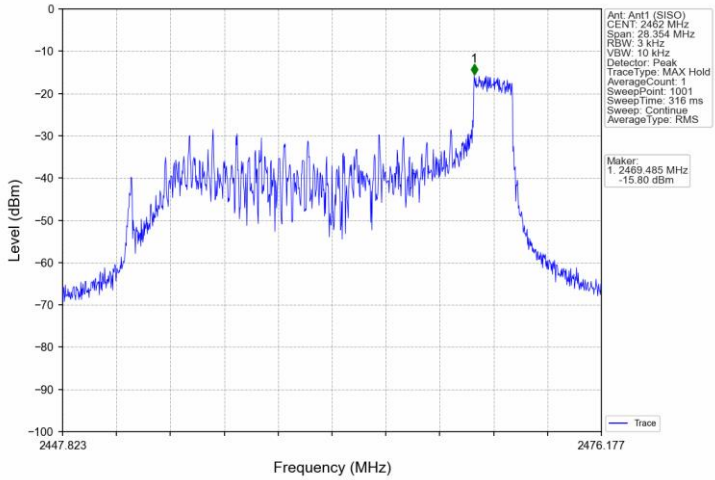

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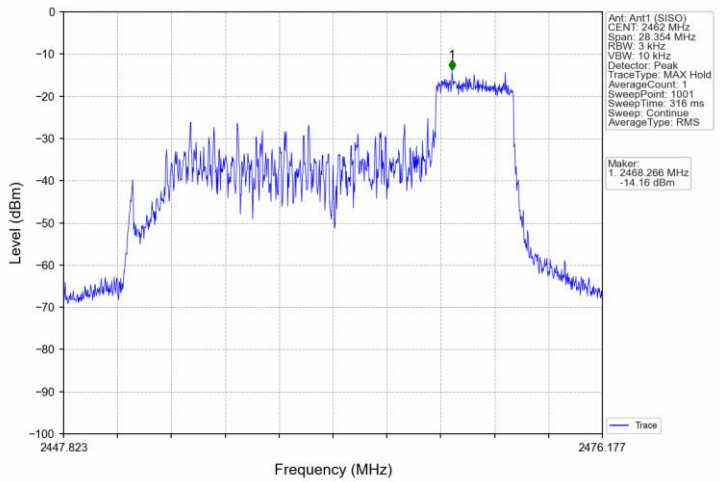
802.11ax(HEW20)_HCH_2462MHz_RU52_40_Ant12(SISO)_NTNV



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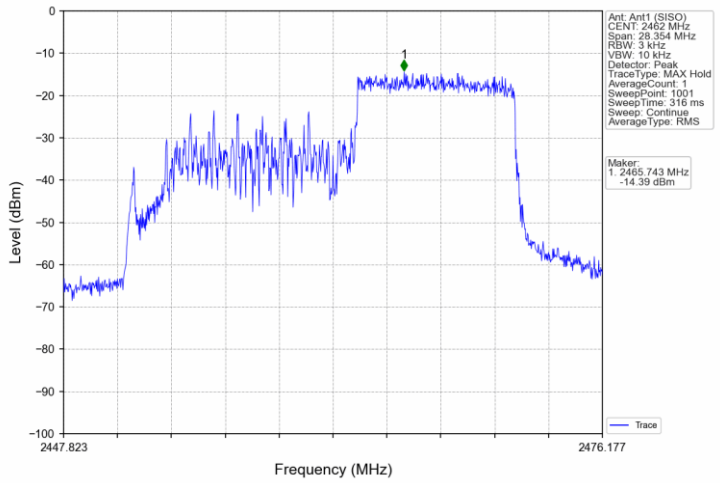

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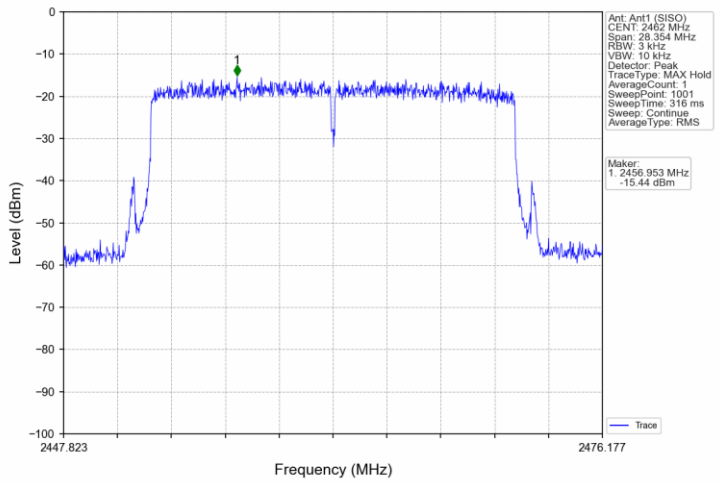

9.5 Spurious RF Conducted Emissions

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

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Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	1.94	-18.06	Pass
		2437	/	/	1	1.69	-18.31	Pass
		2462	/	/	1	1.49	-18.51	Pass
802.11g	SISO	2412	/	/	1	0.71	-19.29	Pass
		2437	/	/	1	0.80	-19.20	Pass
		2462	/	/	1	-0.09	-20.09	Pass
802.11n (HT20)	SISO	2412	/	/	1	0.66	-19.34	Pass
		2437	/	/	1	0.72	-19.28	Pass
		2462	/	/	1	-0.06	-20.06	Pass
802.11ax (HEW20)	SISO	2412	RU26	0	1	-0.33	-20.33	Pass
			RU52	37	1	4.03	-15.97	Pass
			RU106	53	1	-0.17	-20.17	Pass
			RU242	61	1	0.48	-19.52	Pass
		2437	RU26	4	1	-0.44	-20.44	Pass
			RU52	38	1	0.39	-19.61	Pass
			RU106	53	1	0.07	-19.93	Pass
			RU242	61	1	0.46	-19.54	Pass
		2462	RU26	8	1	-1.56	-21.56	Pass
			RU52	40	1	-1.37	-21.37	Pass
			RU106	54	1	-1.29	-21.29	Pass
			RU242	61	1	-0.48	-20.48	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.								

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	2	1.85	-18.15	Pass
		2437	/	/	2	1.95	-18.05	Pass
		2462	/	/	2	1.62	-18.38	Pass
802.11g	SISO	2412	/	/	2	0.79	-19.21	Pass
		2437	/	/	2	0.87	-19.13	Pass
		2462	/	/	2	0.29	-19.71	Pass
802.11n (HT20)	SISO	2412	/	/	2	0.69	-19.31	Pass
		2437	/	/	2	0.82	-19.18	Pass
		2462	/	/	2	0.30	-19.70	Pass
802.11ax (HEW20)	SISO	2412	RU26	0	2	-0.96	-20.96	Pass
			RU52	37	2	0.57	-19.43	Pass
			RU106	53	2	-0.10	-20.10	Pass
			RU242	61	2	0.70	-19.30	Pass
		2437	RU26	4	2	0.06	-19.94	Pass
			RU52	38	2	0.84	-19.16	Pass
			RU106	54	2	0.54	-19.46	Pass
			RU242	61	2	0.74	-19.26	Pass
		2462	RU26	8	2	-1.52	-21.52	Pass
			RU52	40	2	-0.89	-20.89	Pass
			RU106	54	2	-0.19	-20.19	Pass
			RU242	61	2	0.03	-19.97	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.								

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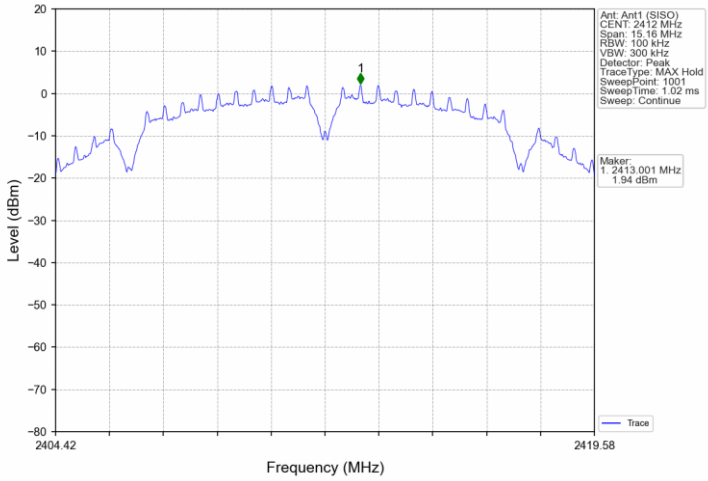
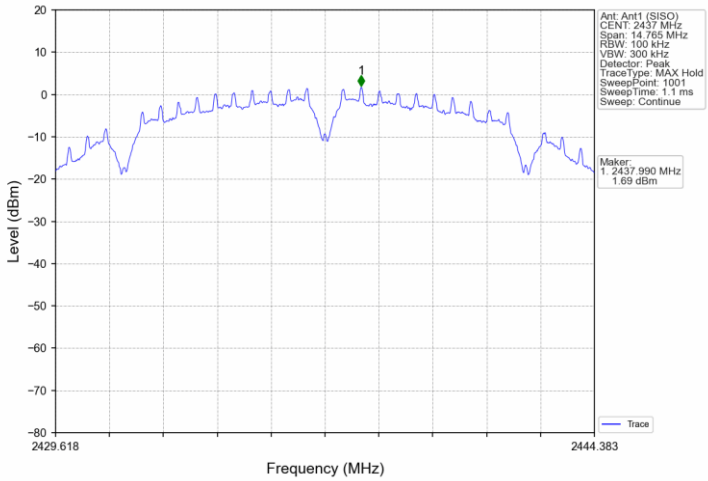
Spurious RF conducted emissions

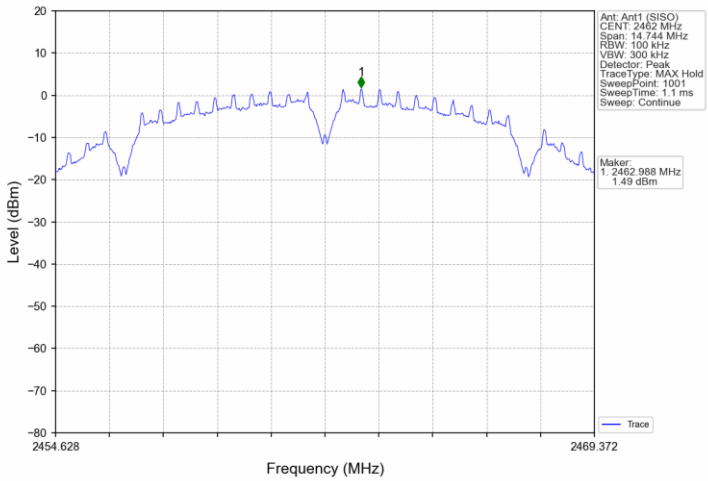
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



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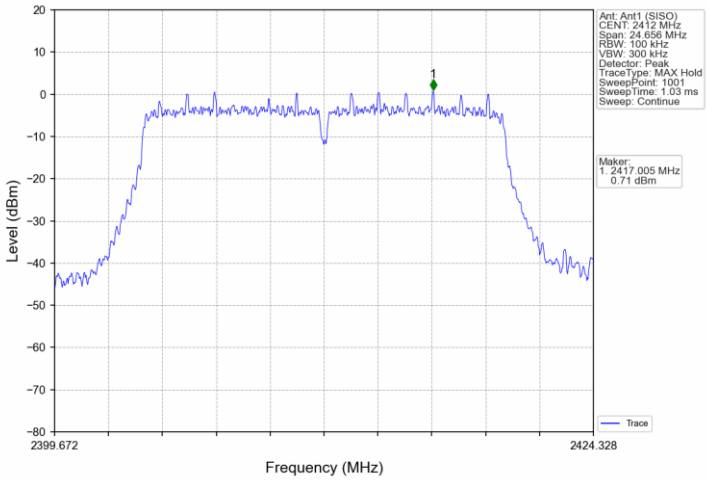
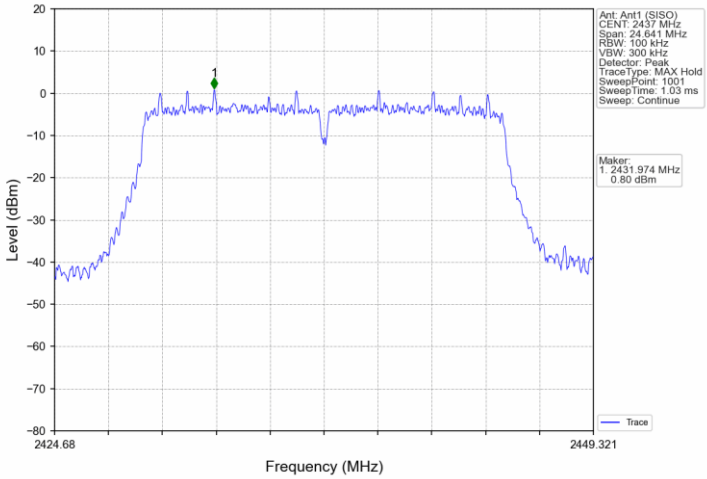
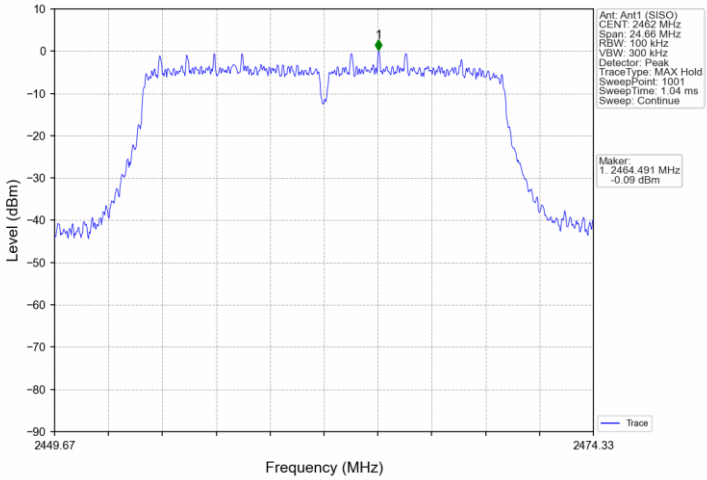
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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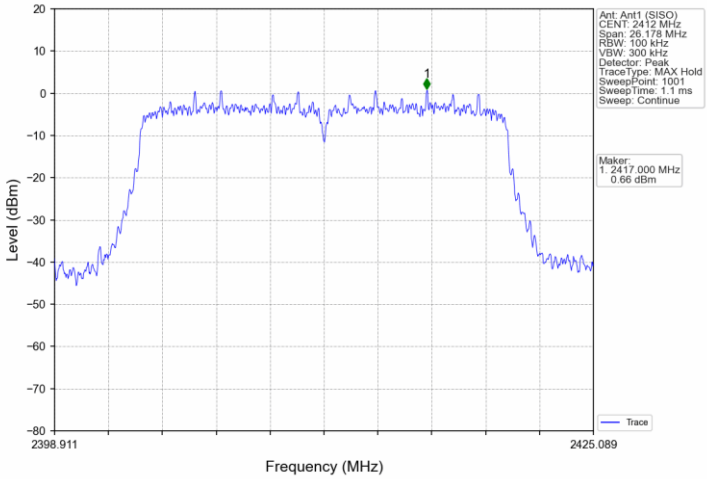
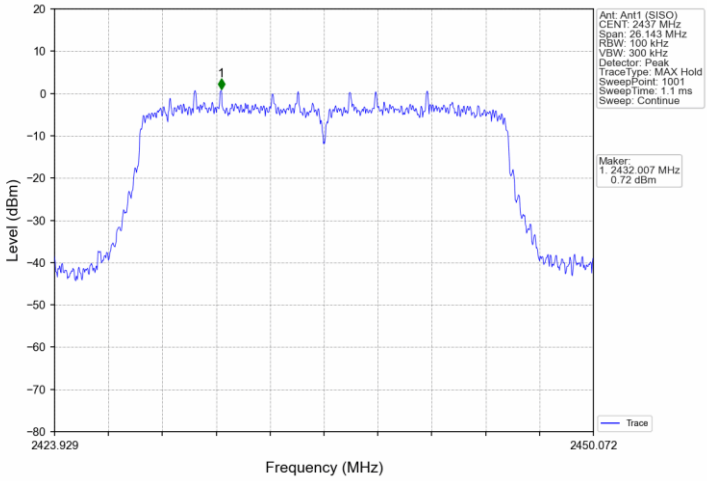
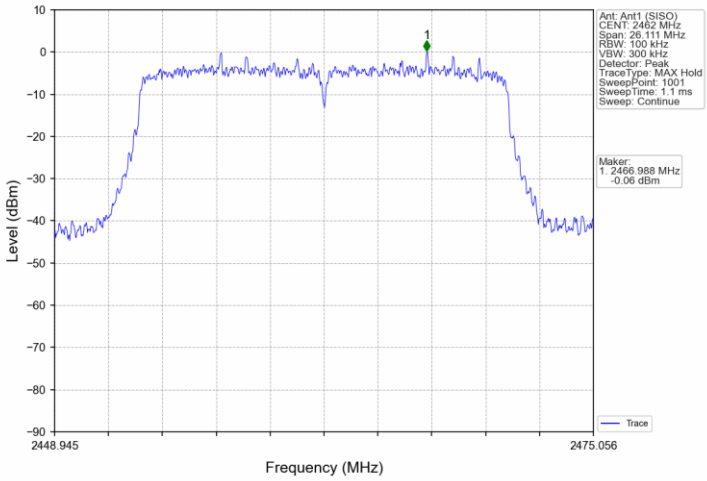
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



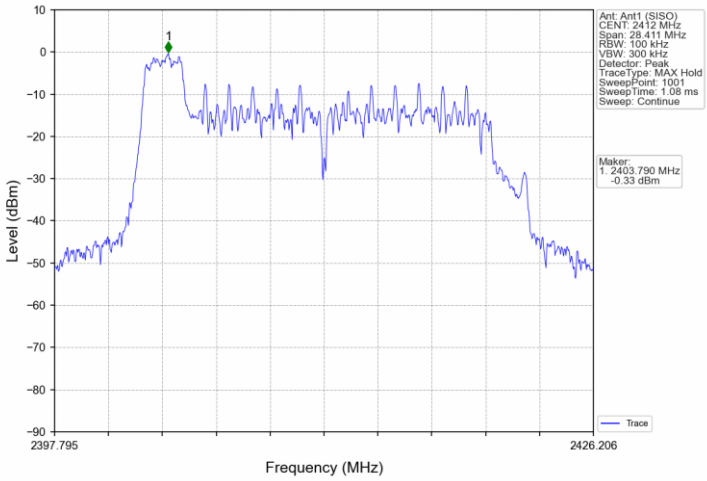
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



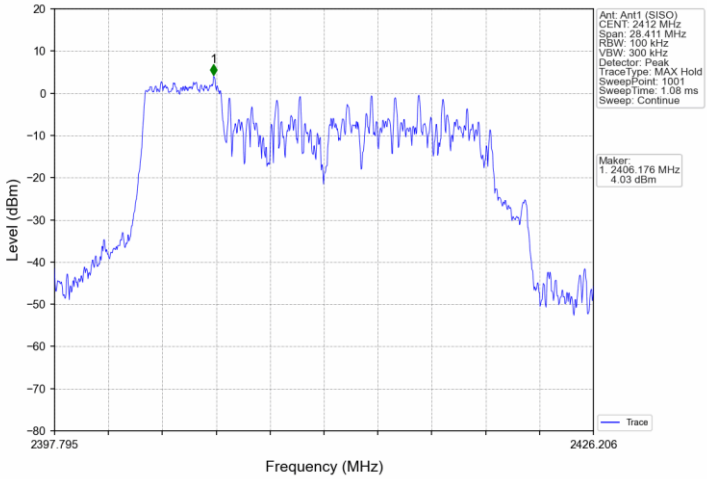
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



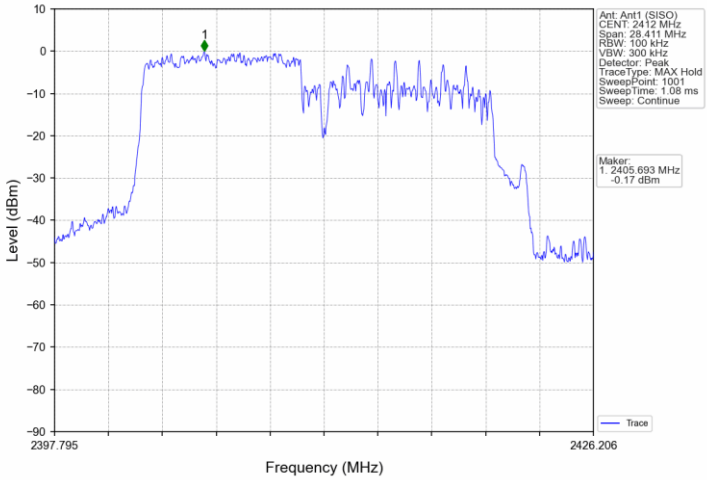
802.11ax(HEW20)_LCH_2412MHz_RU26_0_Ant1 (SISO)_NTNV



802.11ax(HEW20)_LCH_2412MHz_RU52_37_Ant1 (SISO)_NTNV



802.11ax(HEW20)_LCH_2412MHz_RU106_53_Ant1 (SISO)_NTNV



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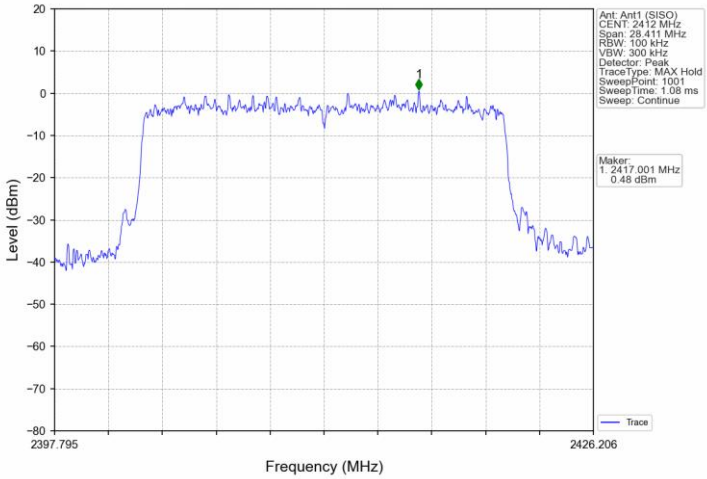
802.11ax(HEW20)_LCH_2412MHz_RU242_61_Ant1 (SISO)_NTNV



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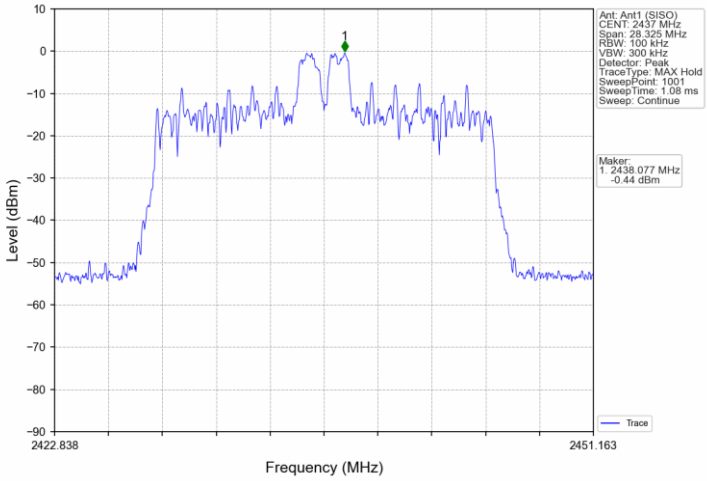
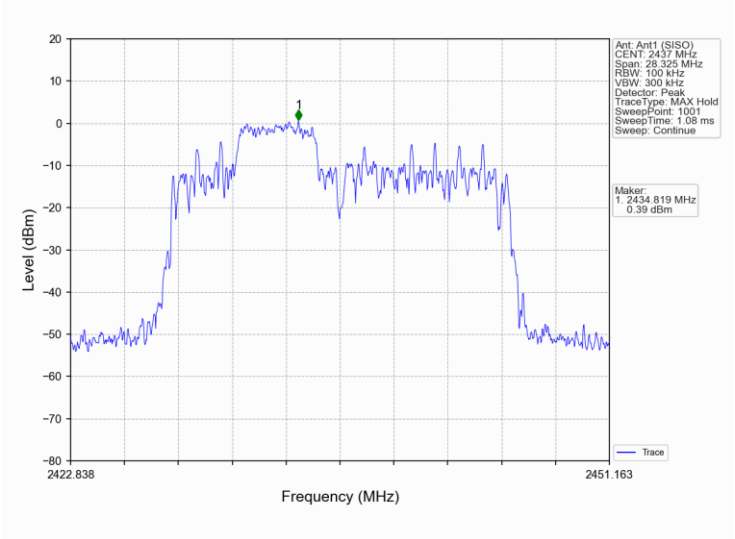


802.11ax(HEW20)_MCH_2437MHz_RU52_38_Ant1 (SISO)_NTNV



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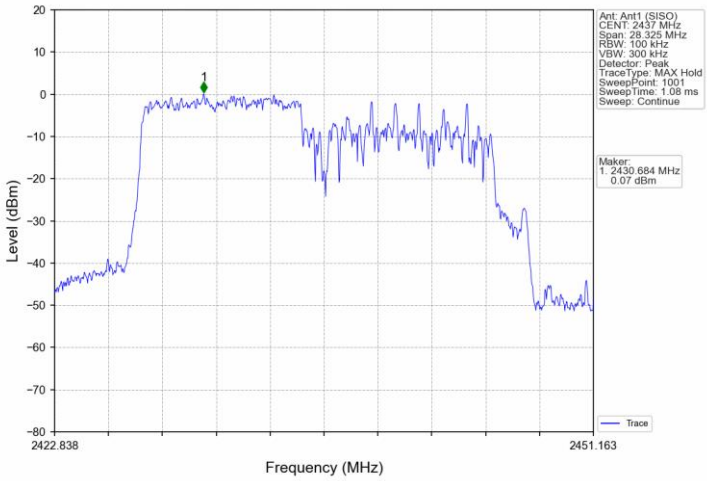
802.11ax(HEW20)_MCH_2437MHz_RU106_53_Ant1 (SISO)_NTNV



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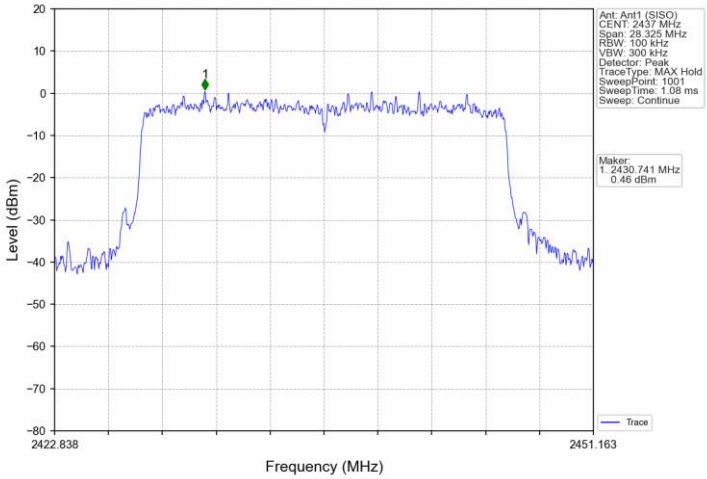

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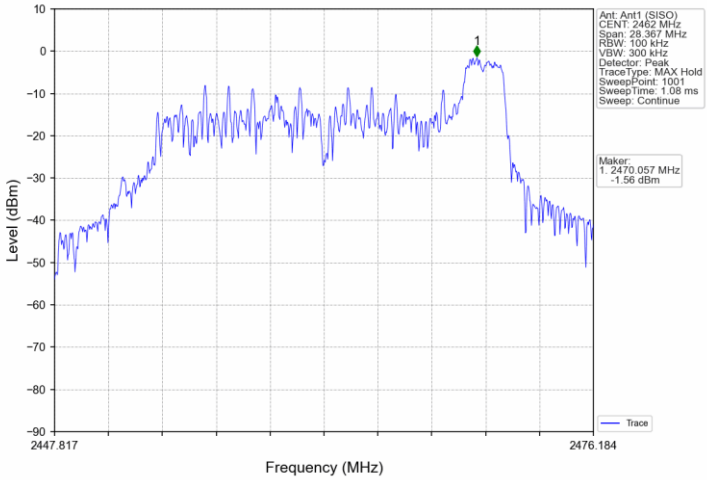

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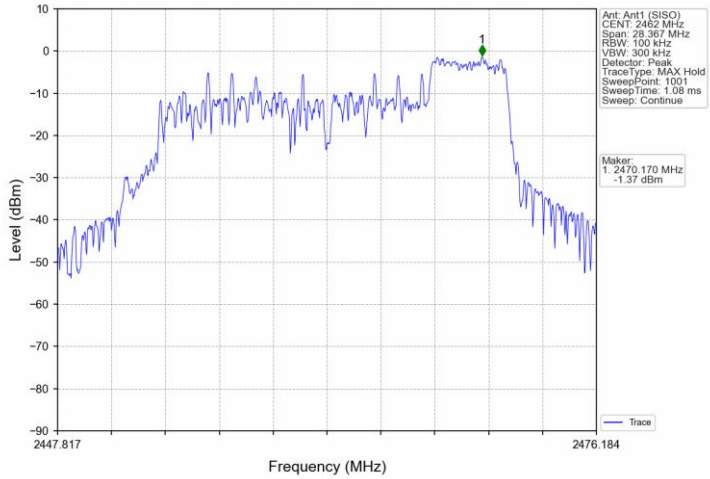
802.11ax(HEW20)_HCH_2462MHz_RU52_40_Ant1 (SISO)_NTNV



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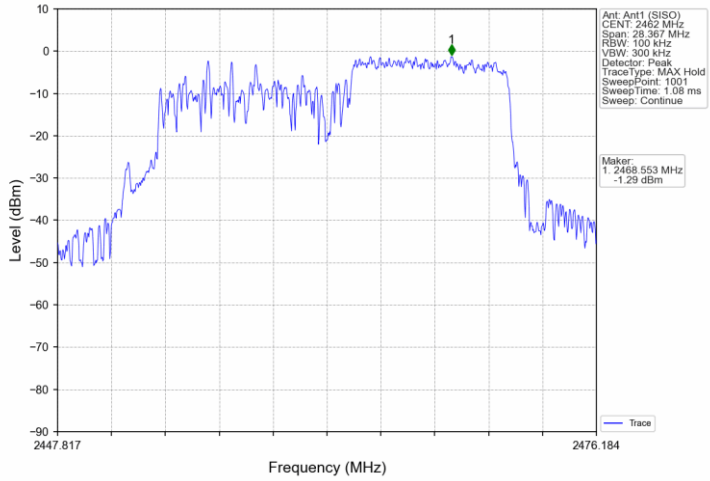

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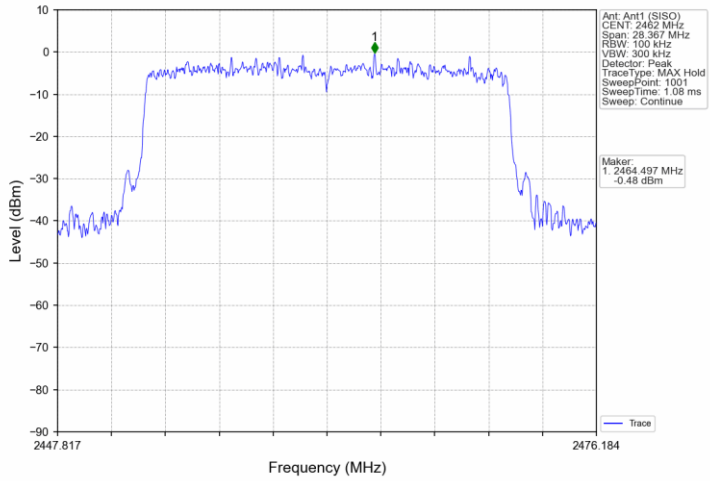

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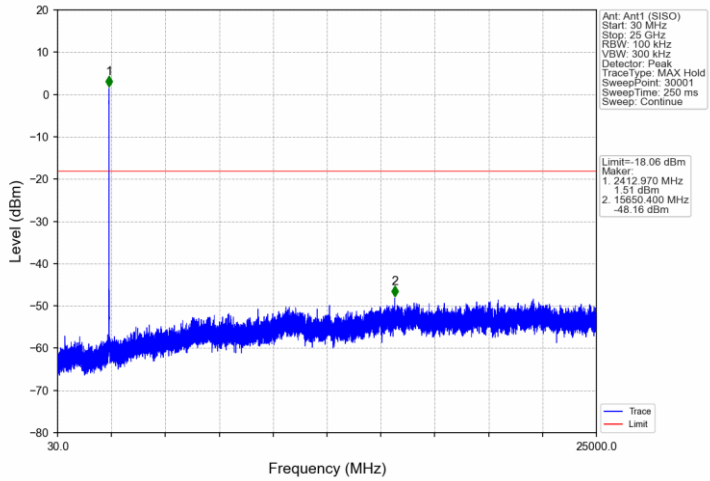
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



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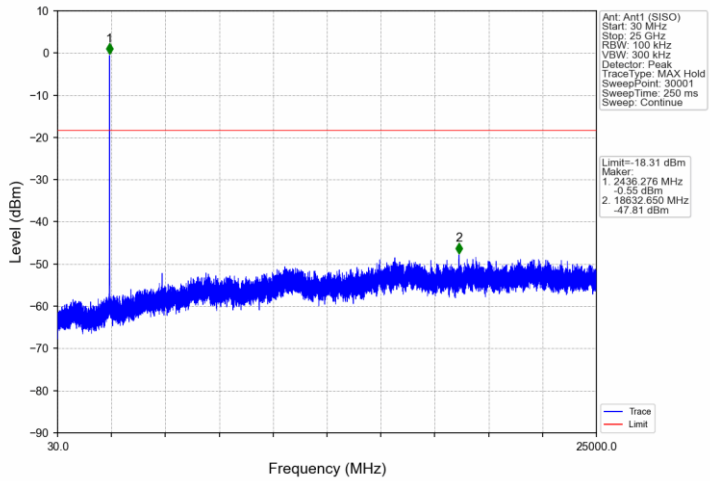

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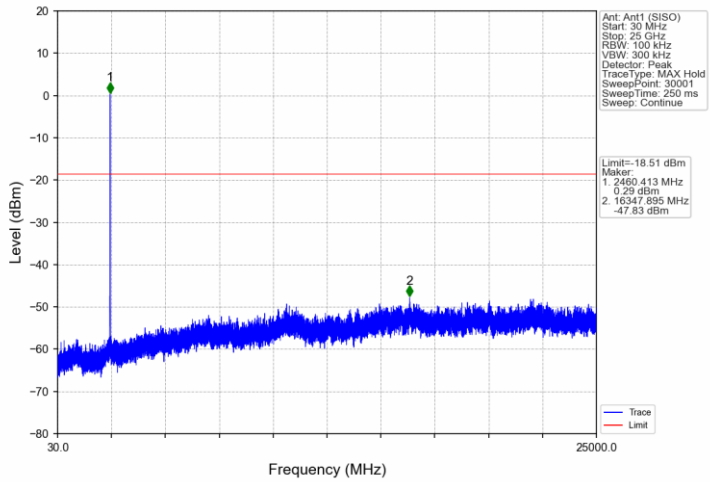

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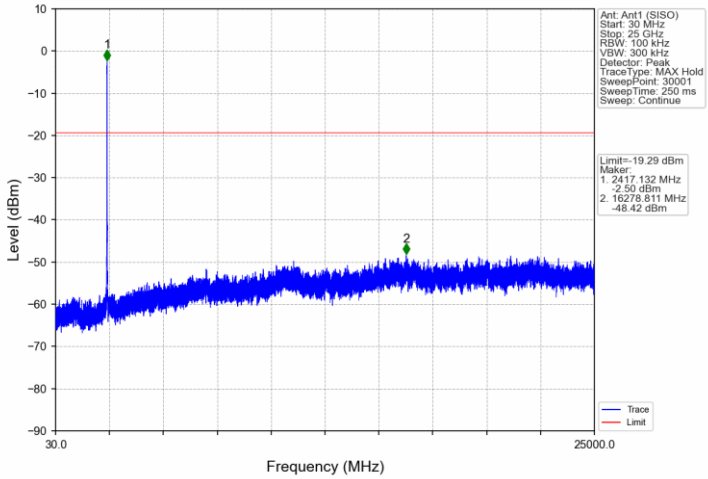

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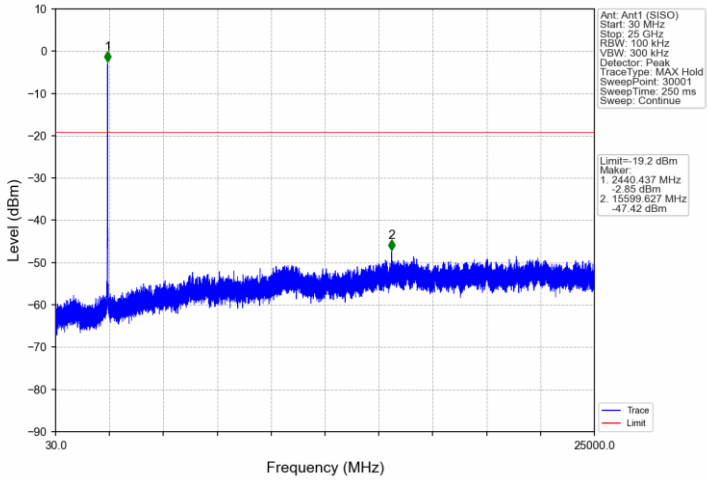

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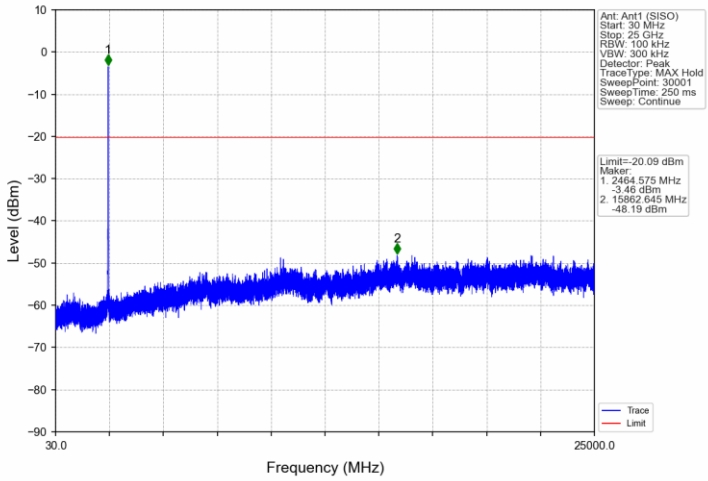

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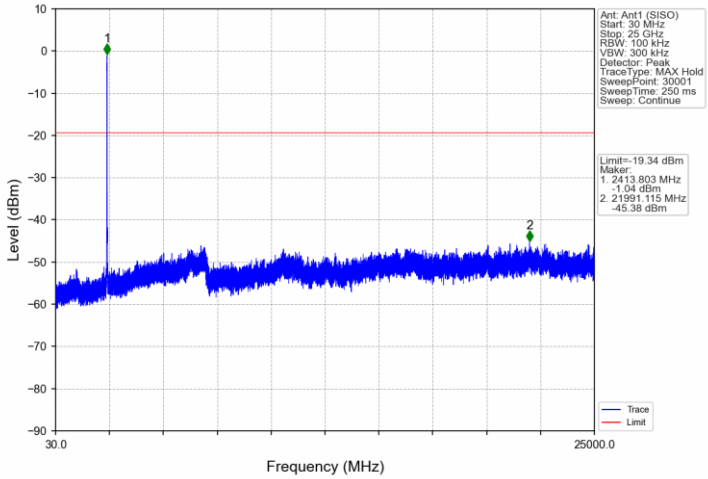
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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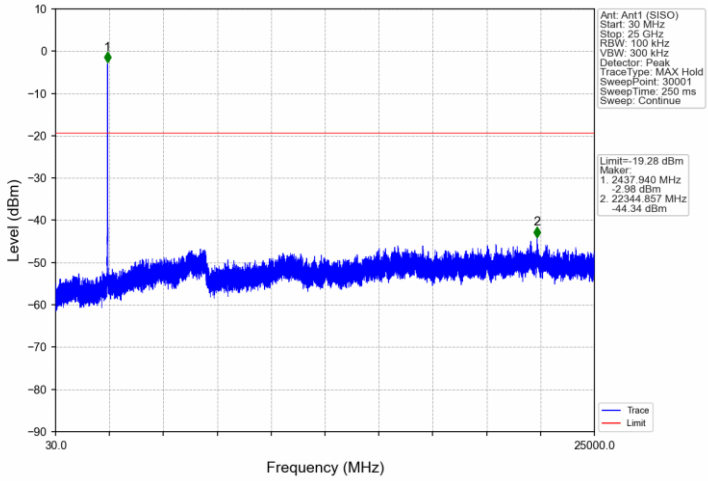

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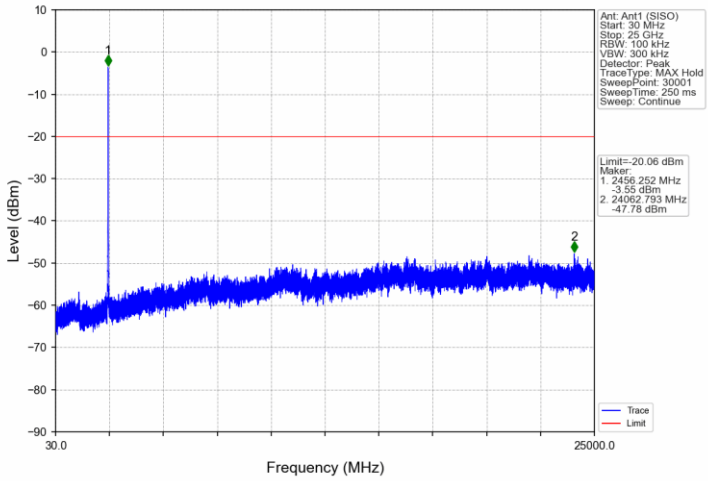

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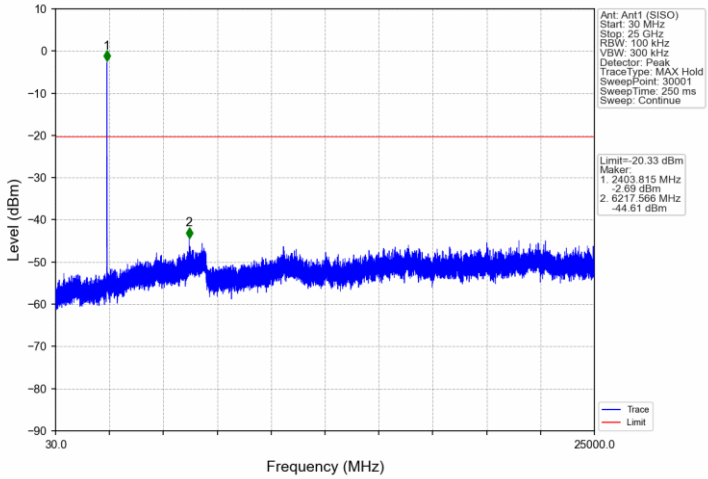

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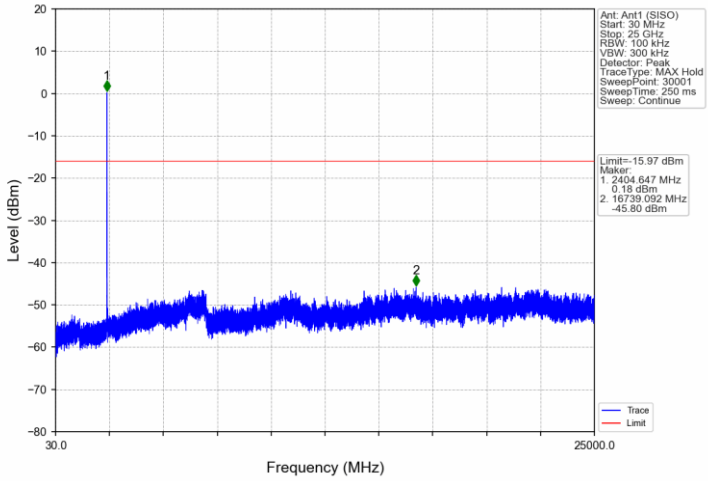

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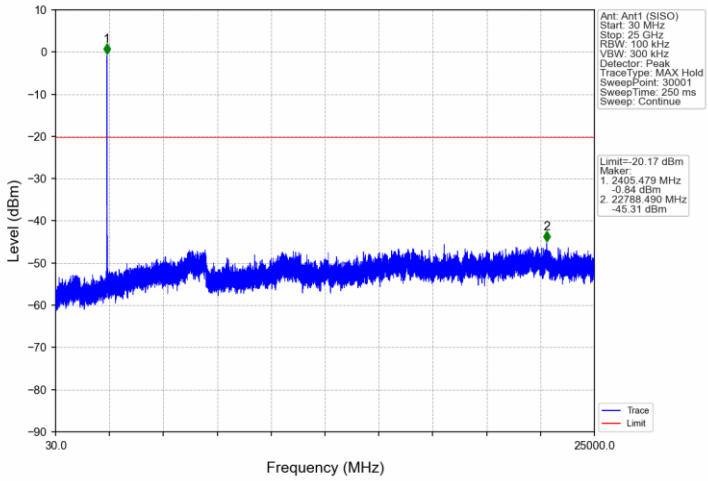

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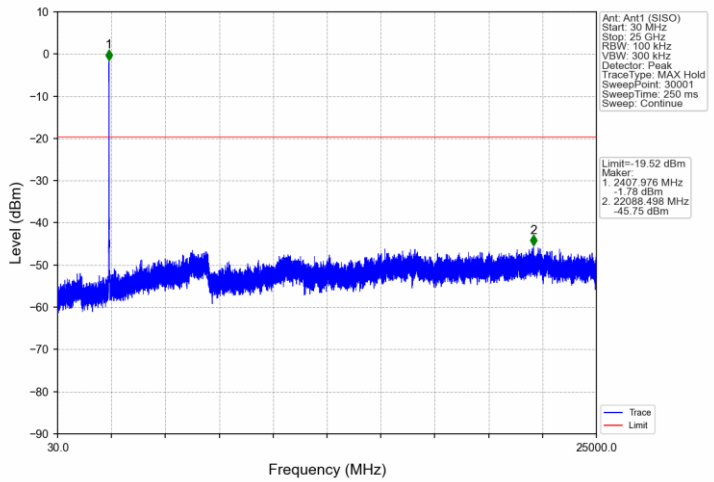
802.11ax(HEW20)_LCH_2412MHz_RU242_61_Ant1 (SISO)_NTNV



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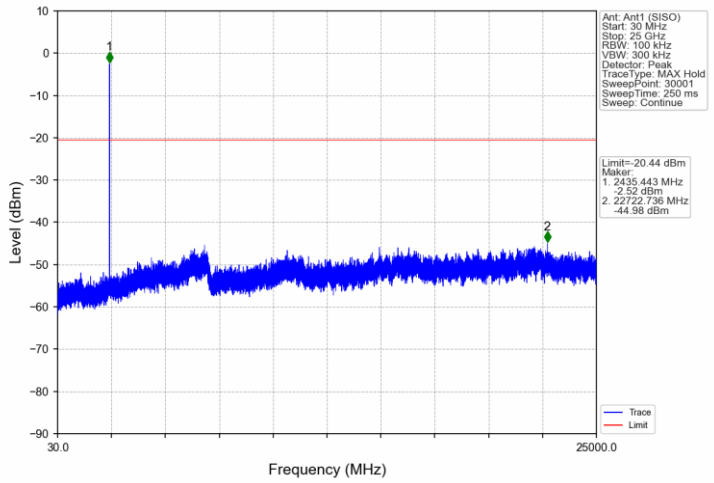

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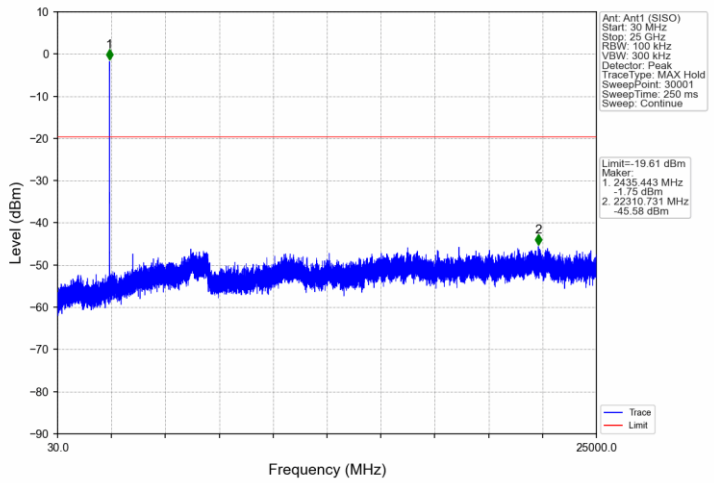

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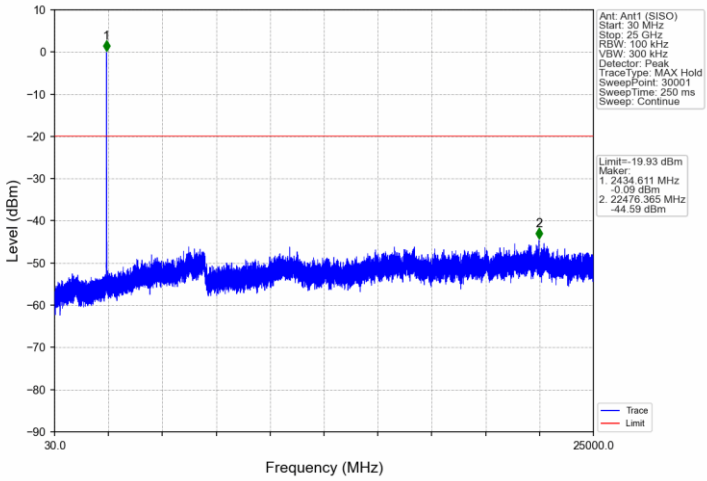

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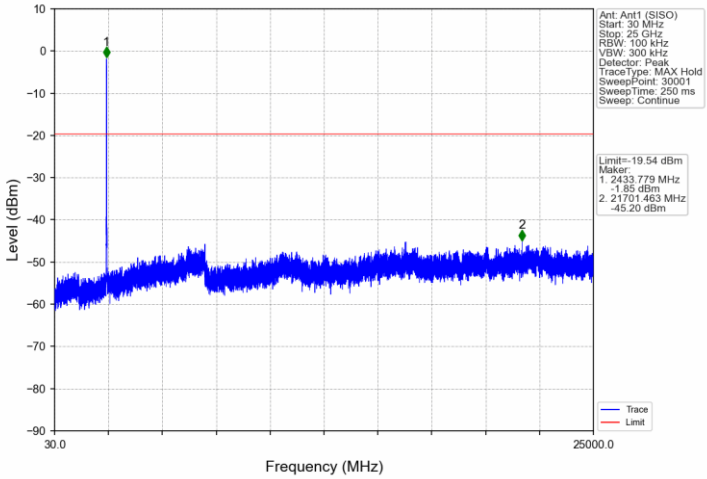

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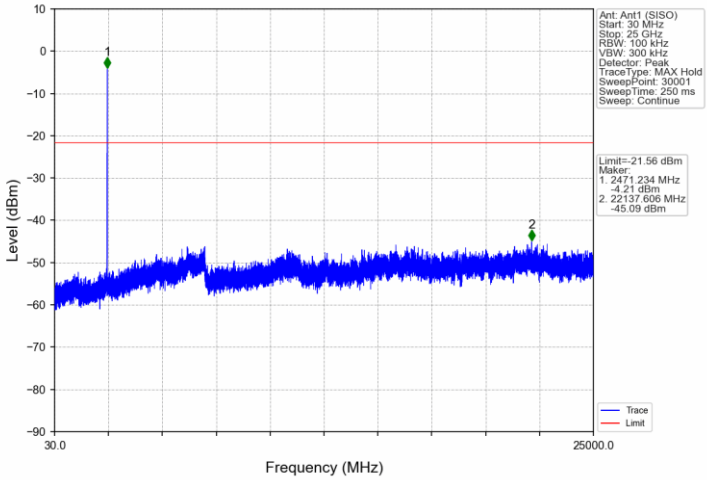

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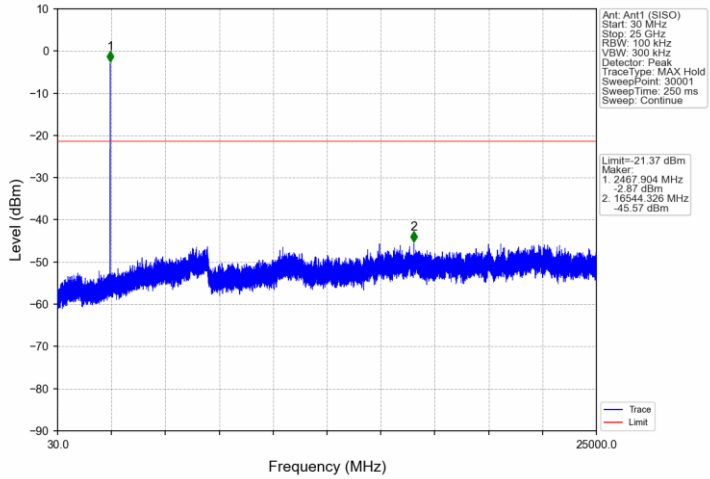
802.11ax(HEW20)_HCH_2462MHz_RU52_40_Ant1 (SISO)_NTNV



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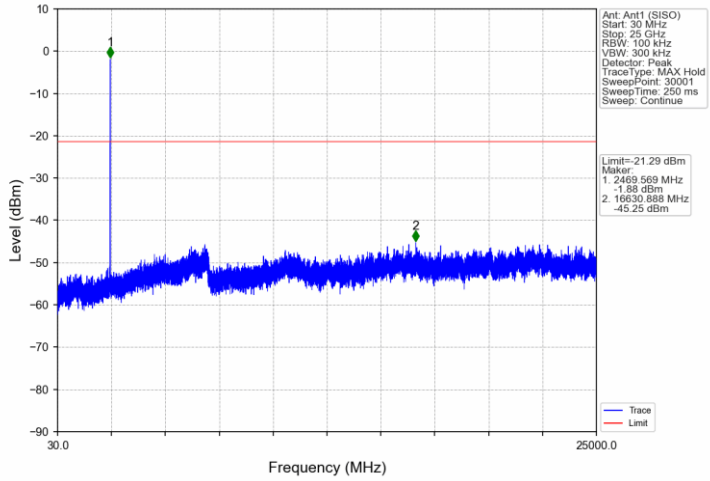

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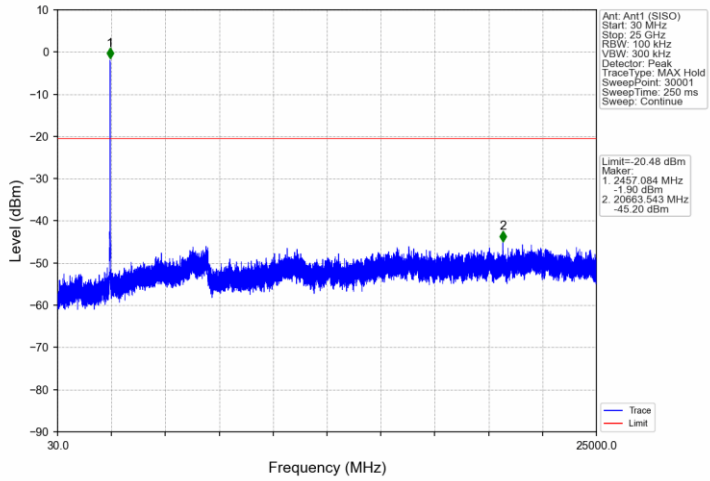

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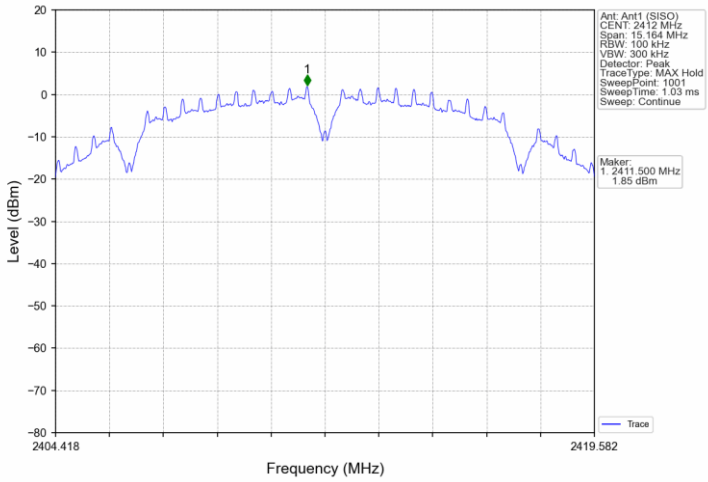

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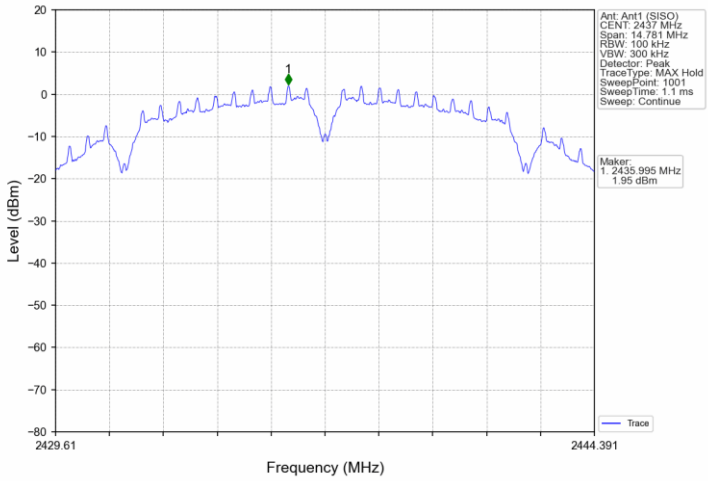

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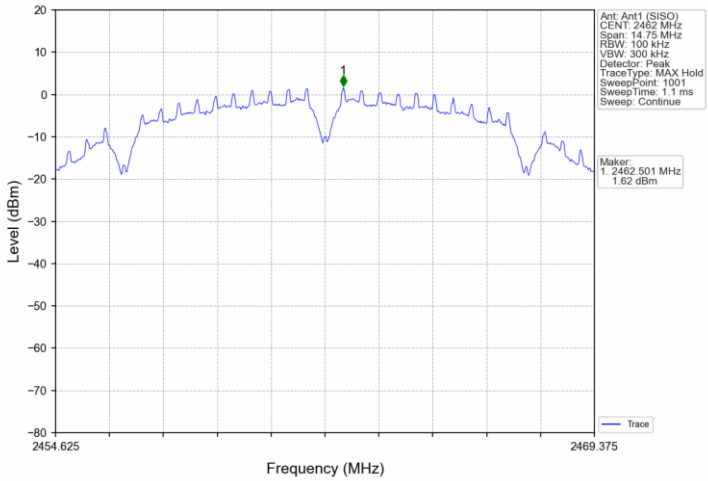

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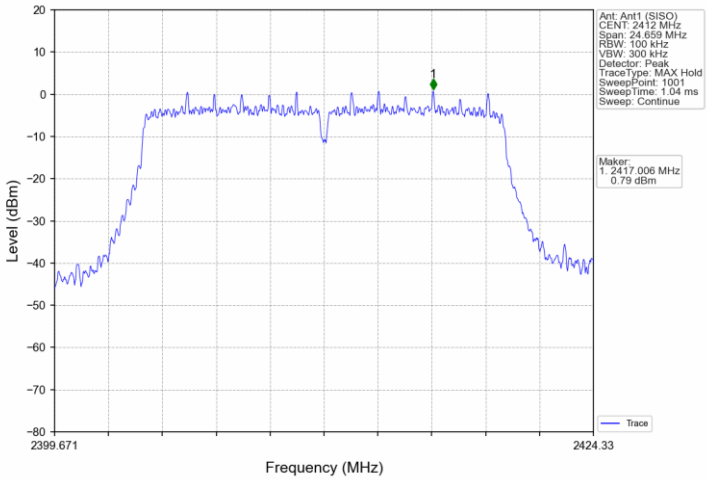
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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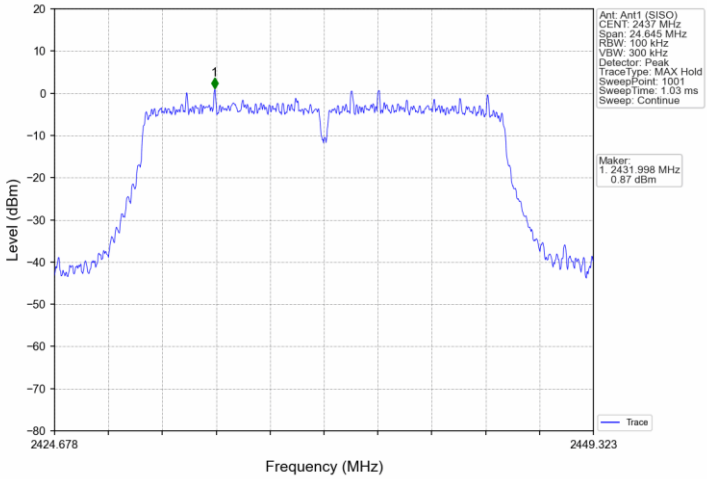

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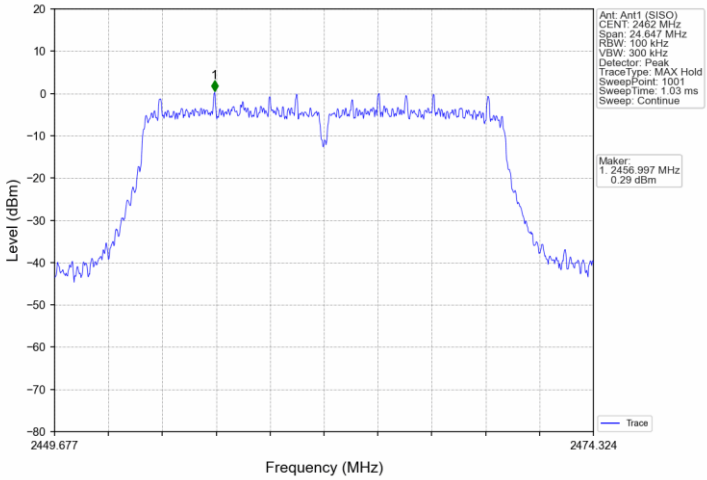

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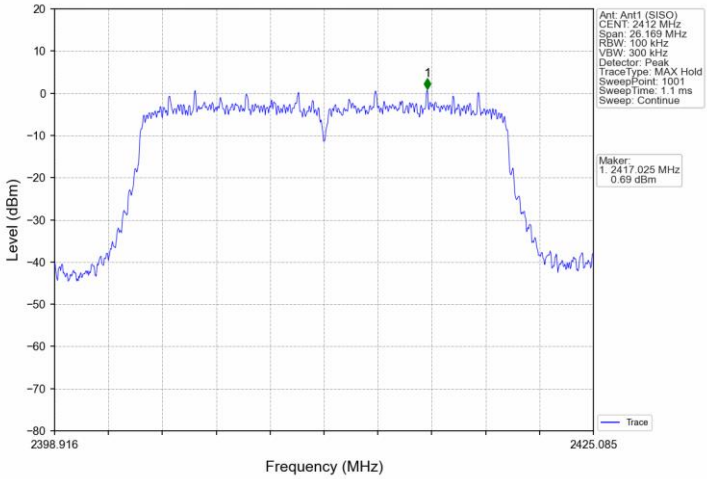
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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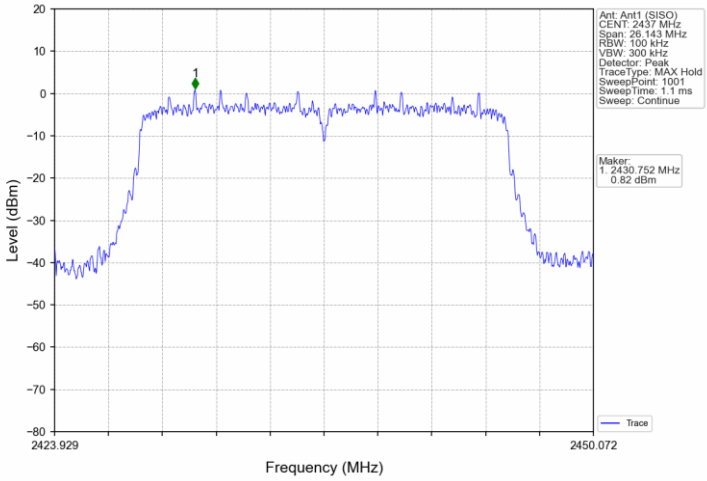

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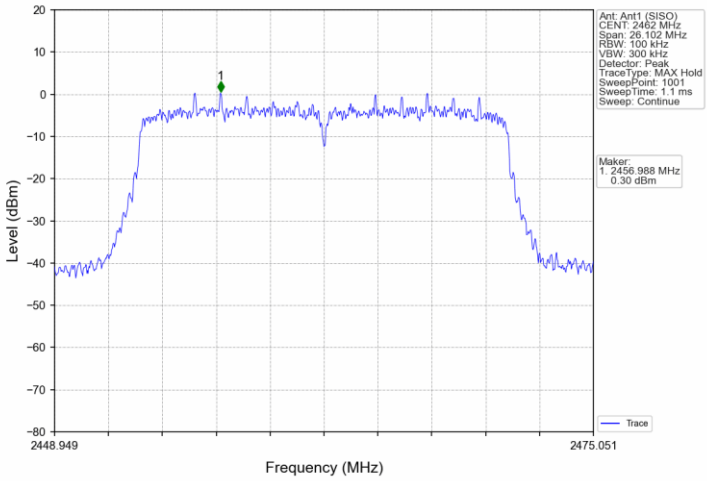

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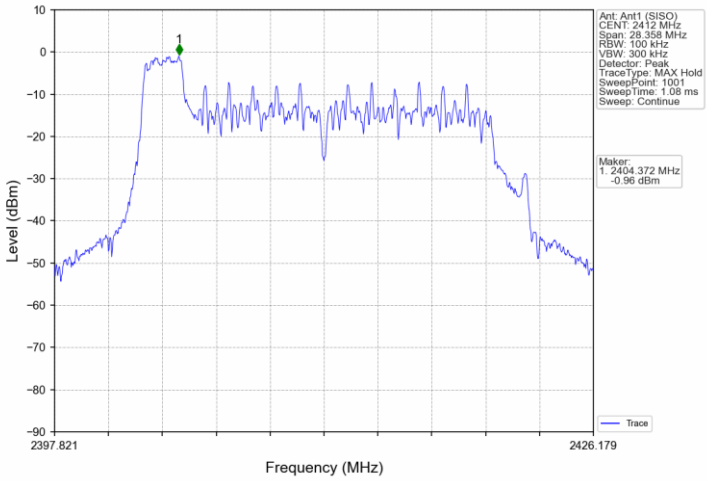

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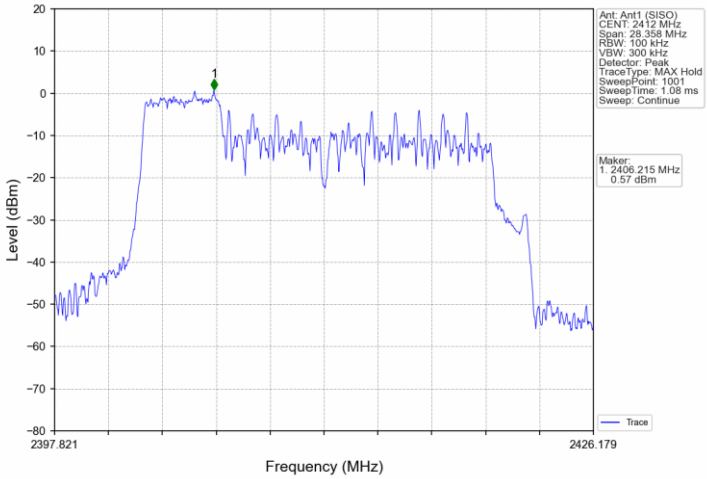

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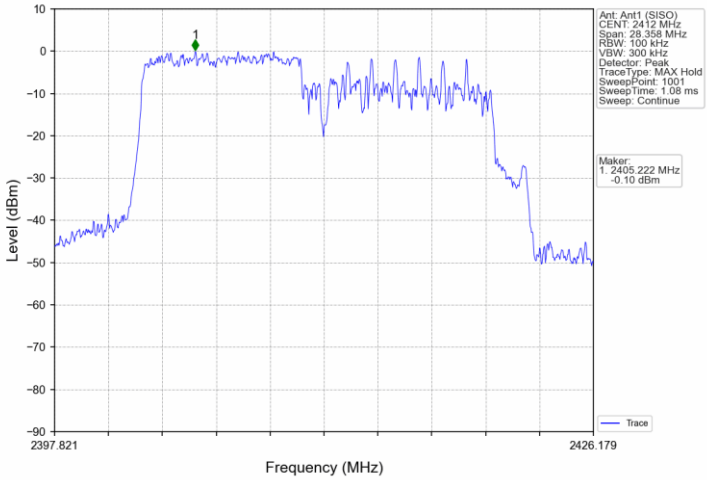

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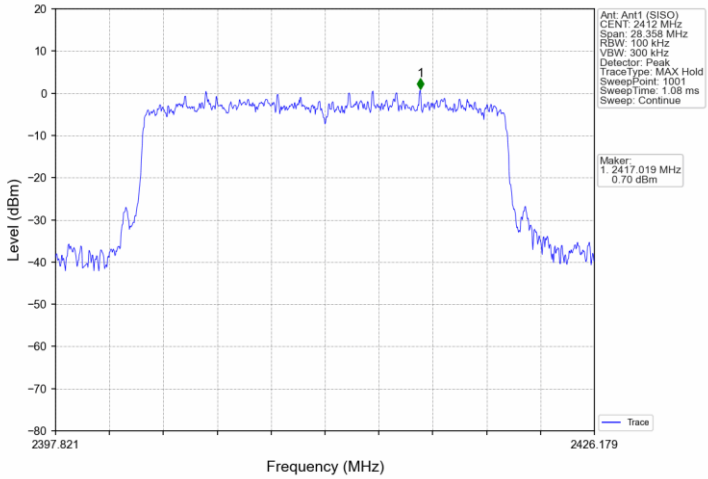
802.11ax(HEW20)_LCH_2412MHz_RU242_61_Ant1 (SISO)_NTNV



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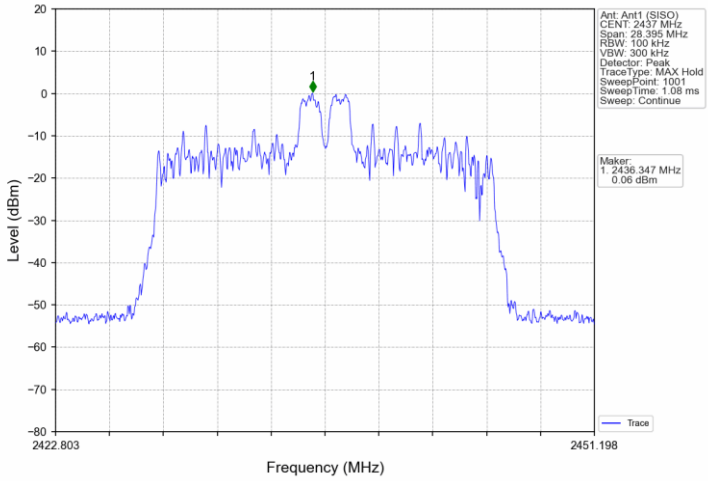

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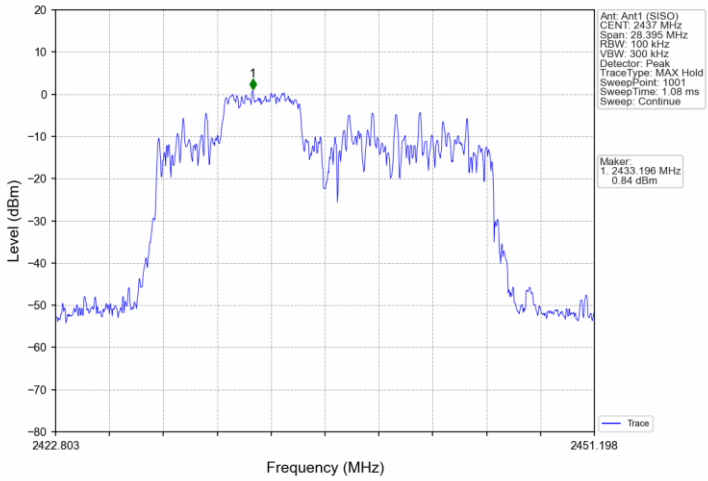
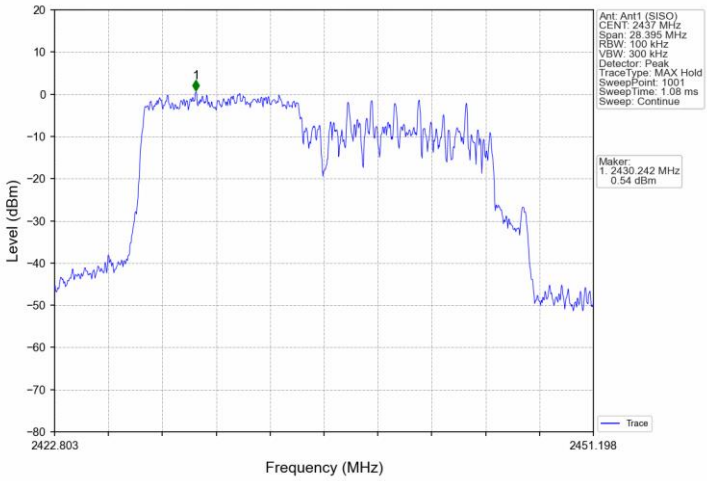
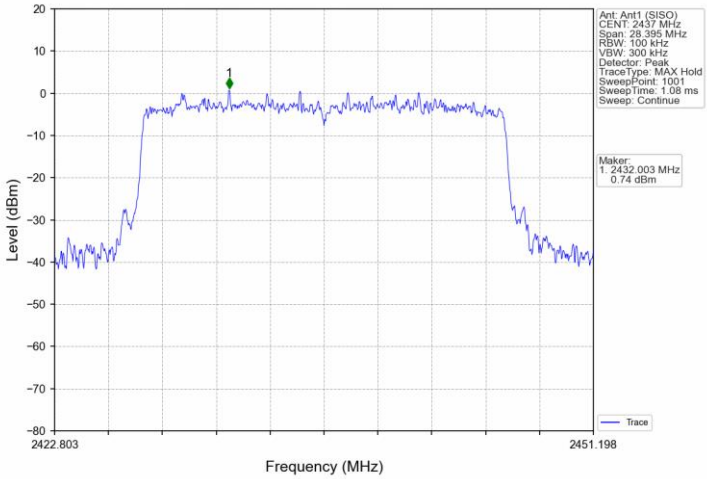


802.11ax(HEW20)_MCH_2437MHz_RU106_54_Ant1 (SISO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_RU242_61_Ant1 (SISO)_NTNV



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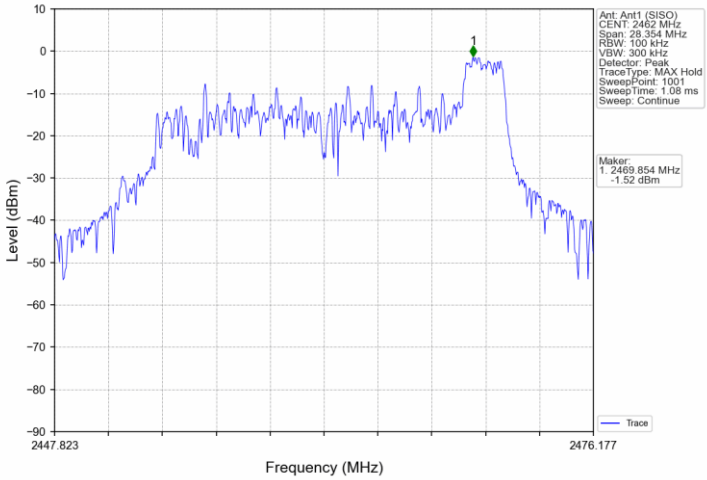

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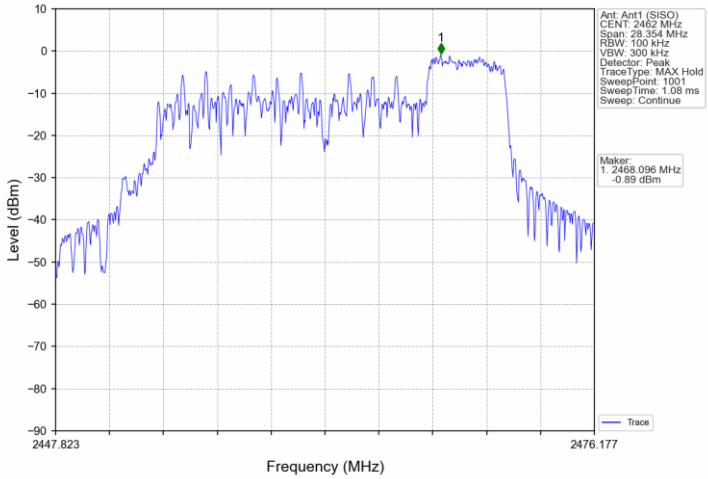
802.11ax(HEW20)_HCH_2462MHz_RU52_40_Ant1 (SISO)_NTNV



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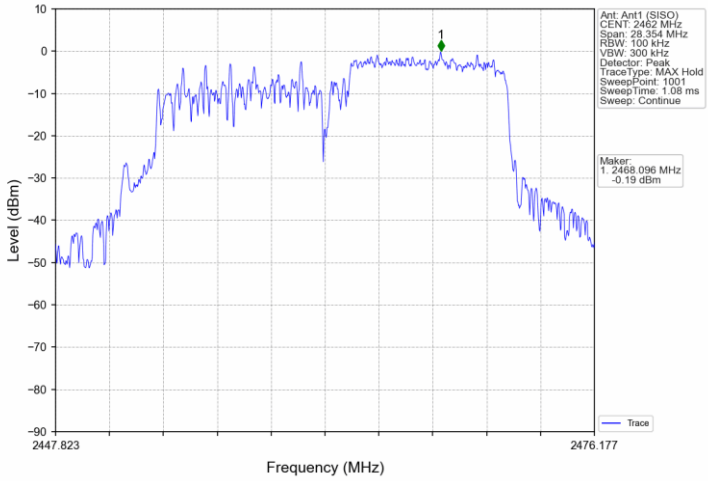
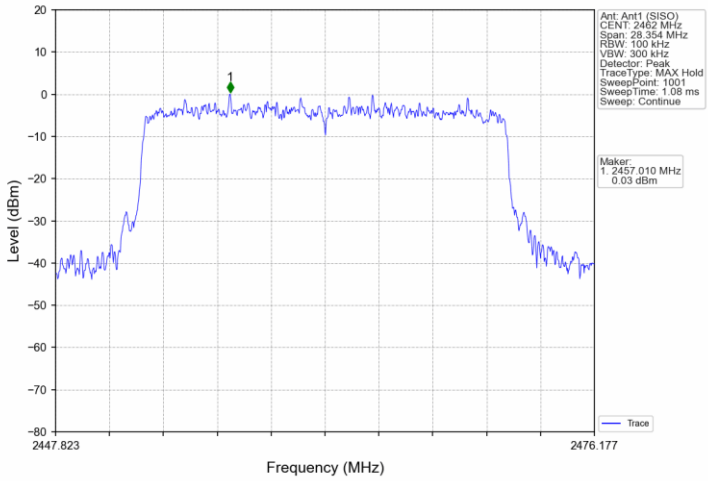
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