

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	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	9.40	9.91	/	<=30	Pass
		2437	/	/	9.69	10.11	/	<=30	Pass
		2462	/	/	10.27	10.27	/	<=30	Pass
802.11g	SISO	2412	/	/	12.19	12.23	/	<=30	Pass
		2437	/	/	11.83	12.43	/	<=30	Pass
		2462	/	/	11.38	12.26	/	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	10.78	10.99	13.90	<=30	Pass
		2437	/	/	10.51	11.02	13.78	<=30	Pass
		2462	/	/	10.28	11.05	13.69	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	7.85	8.49	11.19	<=30	Pass
		2437	/	/	8.07	8.51	11.31	<=30	Pass
		2452	/	/	8.39	8.75	11.58	<=30	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	10.22	10.47	13.36	<=30	Pass
		2437	RU242	Left	10.14	10.88	13.54	<=30	Pass
		2462	RU242	Left	9.83	10.74	13.32	<=30	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	7.62	8.08	10.87	<=30	Pass
		2437	RU484	Left	7.97	8.29	11.14	<=30	Pass
		2452	RU484	Left	8.17	8.38	11.29	<=30	Pass

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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	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	-12.33	-13.36	/	<=8	Pass
		2437	/	/	-13.34	-11.84	/	<=8	Pass
		2462	/	/	-13.32	-12.29	/	<=8	Pass
802.11g	SISO	2412	/	/	-13.51	-13.99	/	<=8	Pass
		2437	/	/	-13.73	-13.33	/	<=8	Pass
		2462	/	/	-14.59	-14.34	/	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-12.93	-13.33	-10.94	<=8	Pass
		2437	/	/	-13.09	-13.24	-10.43	<=8	Pass
		2462	/	/	-13.58	-13.00	-11.00	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-18.98	-17.55	-15.91	<=8	Pass
		2437	/	/	-18.21	-17.74	-15.82	<=8	Pass
		2452	/	/	-17.19	-16.57	-14.72	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	-13.84	-14.25	-11.58	<=8	Pass
		2437	RU242	Left	-14.18	-14.07	-12.30	<=8	Pass
		2462	RU242	Left	-14.27	-13.85	-12.50	<=8	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	-19.54	-19.35	-16.96	<=8	Pass
		2437	RU484	Left	-20.08	-19.53	-17.06	<=8	Pass
		2452	RU484	Left	-18.20	-18.94	-16.66	<=8	Pass

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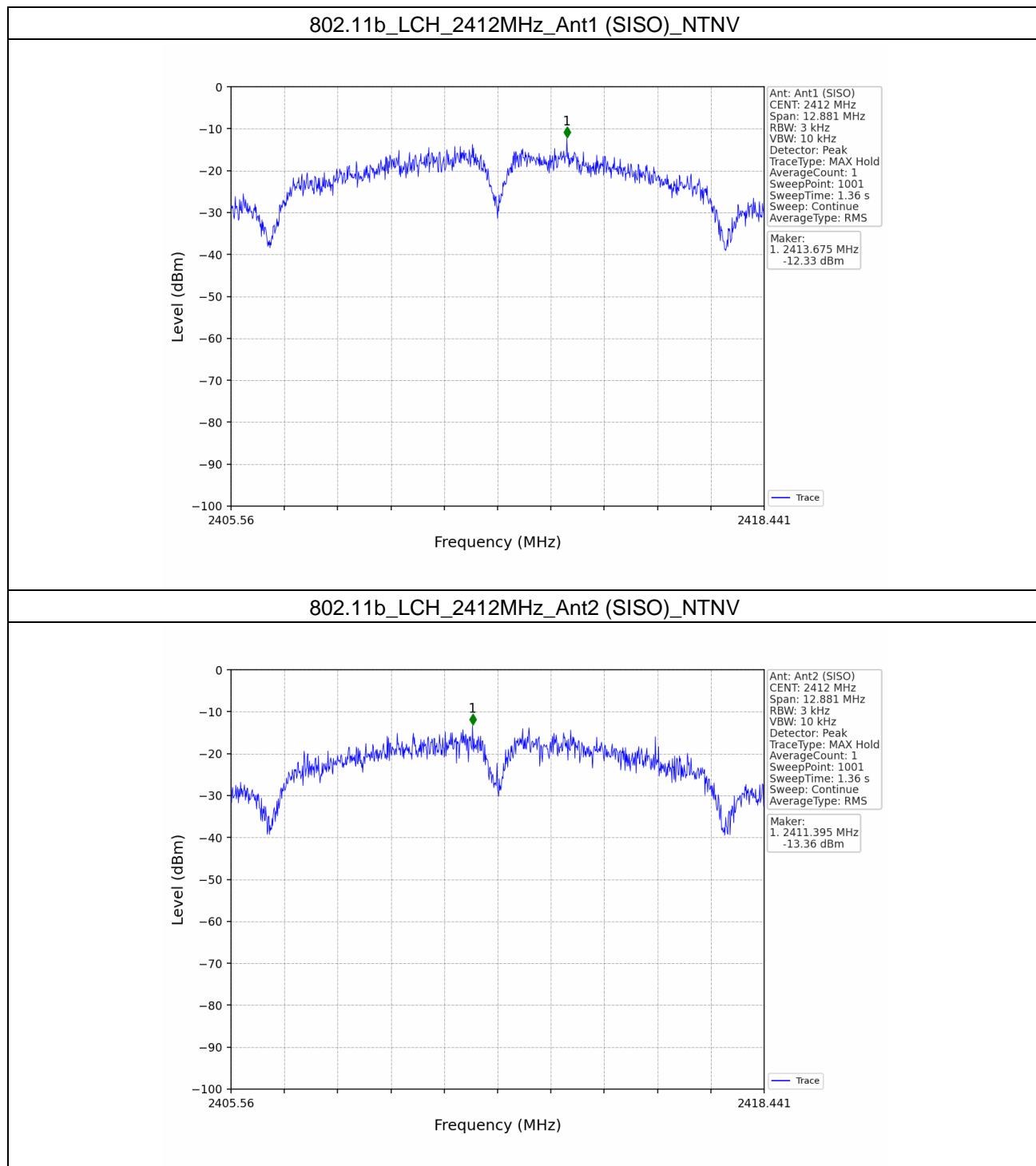
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4.2 Test Graph

4.2.1 PSD



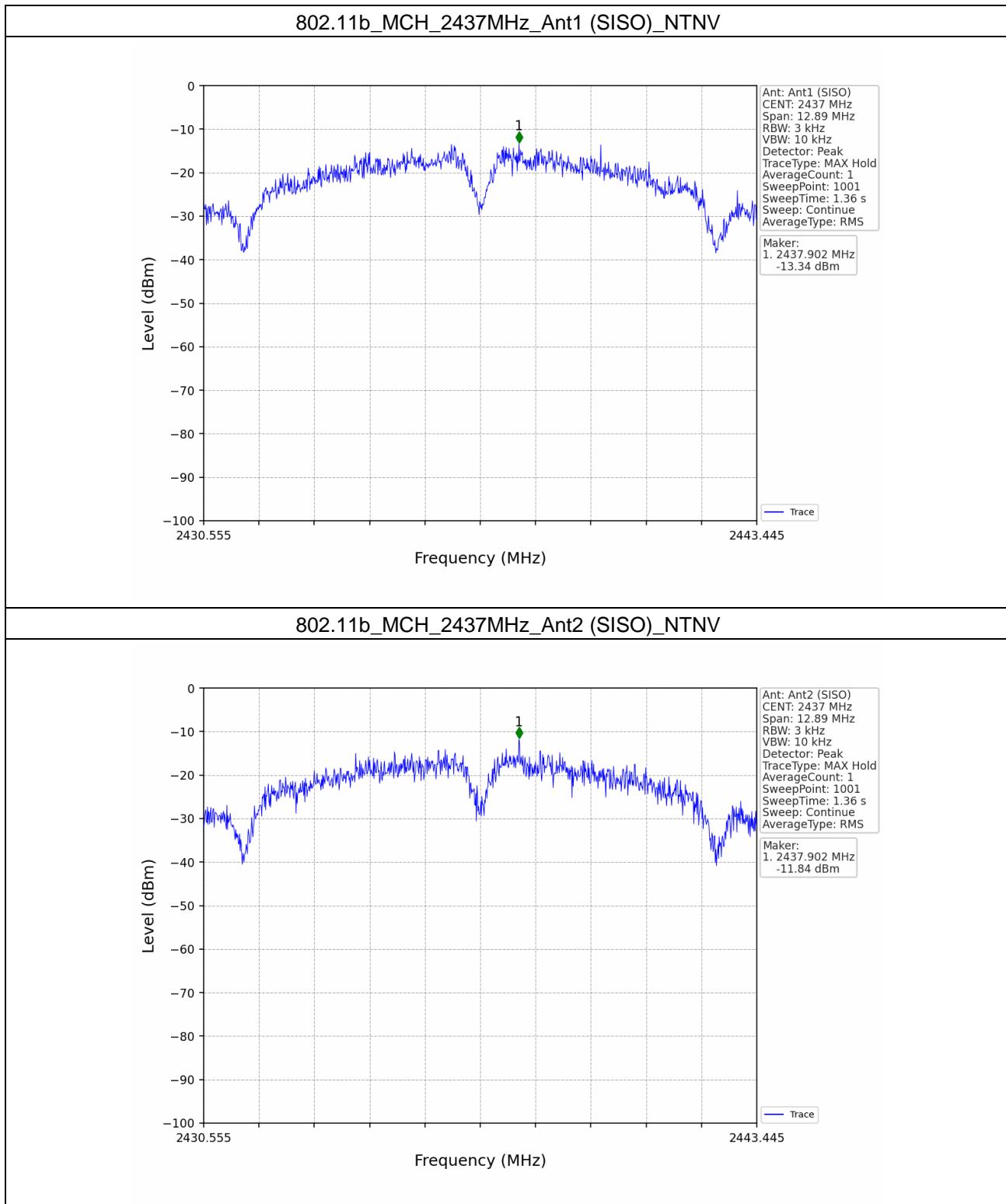
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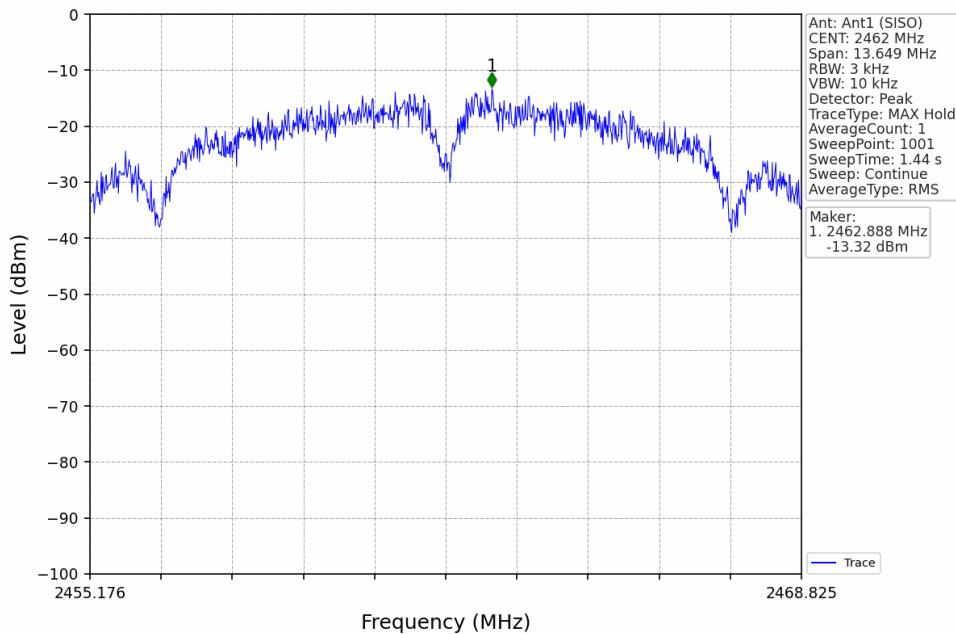
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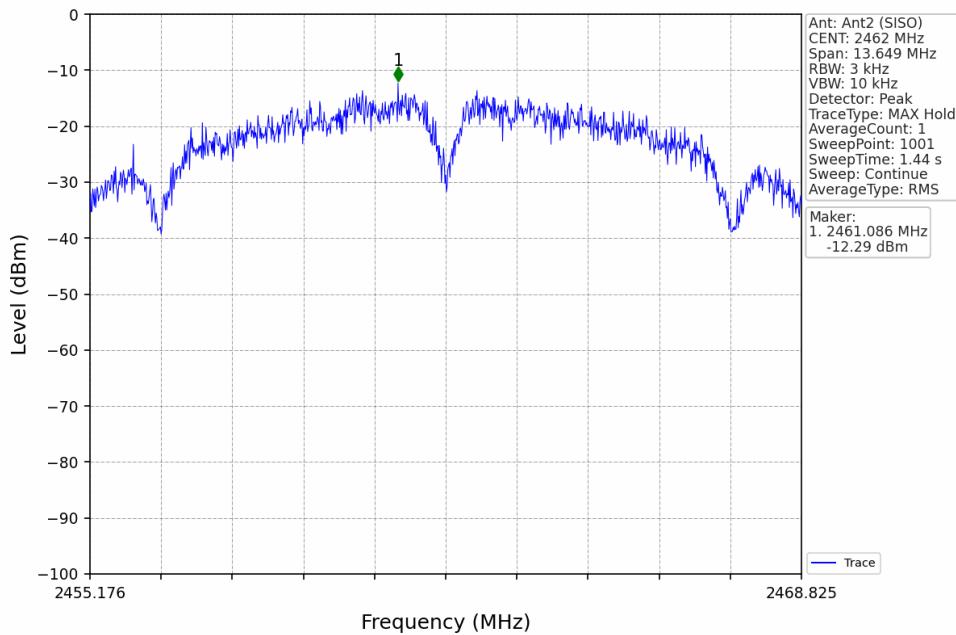
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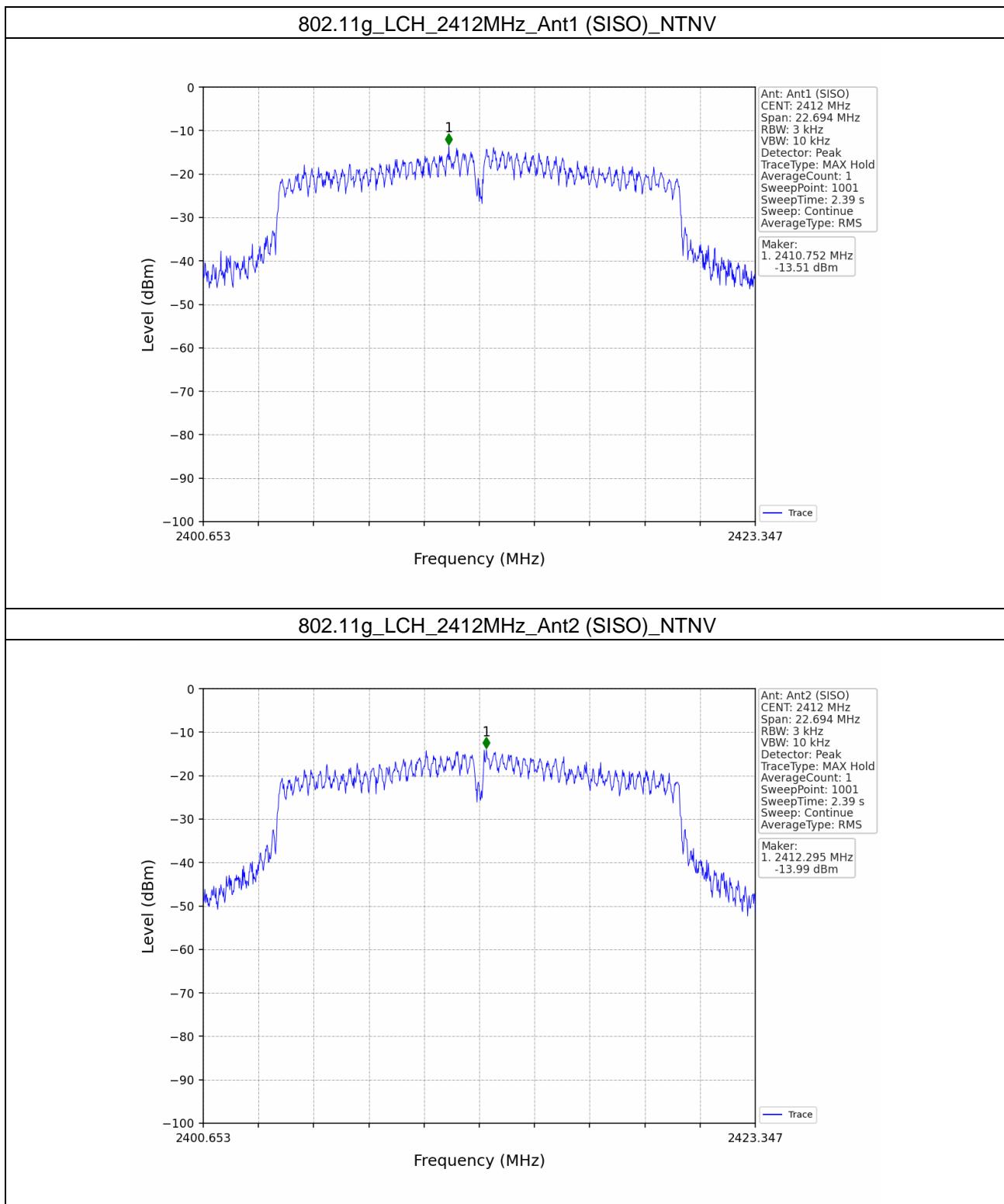


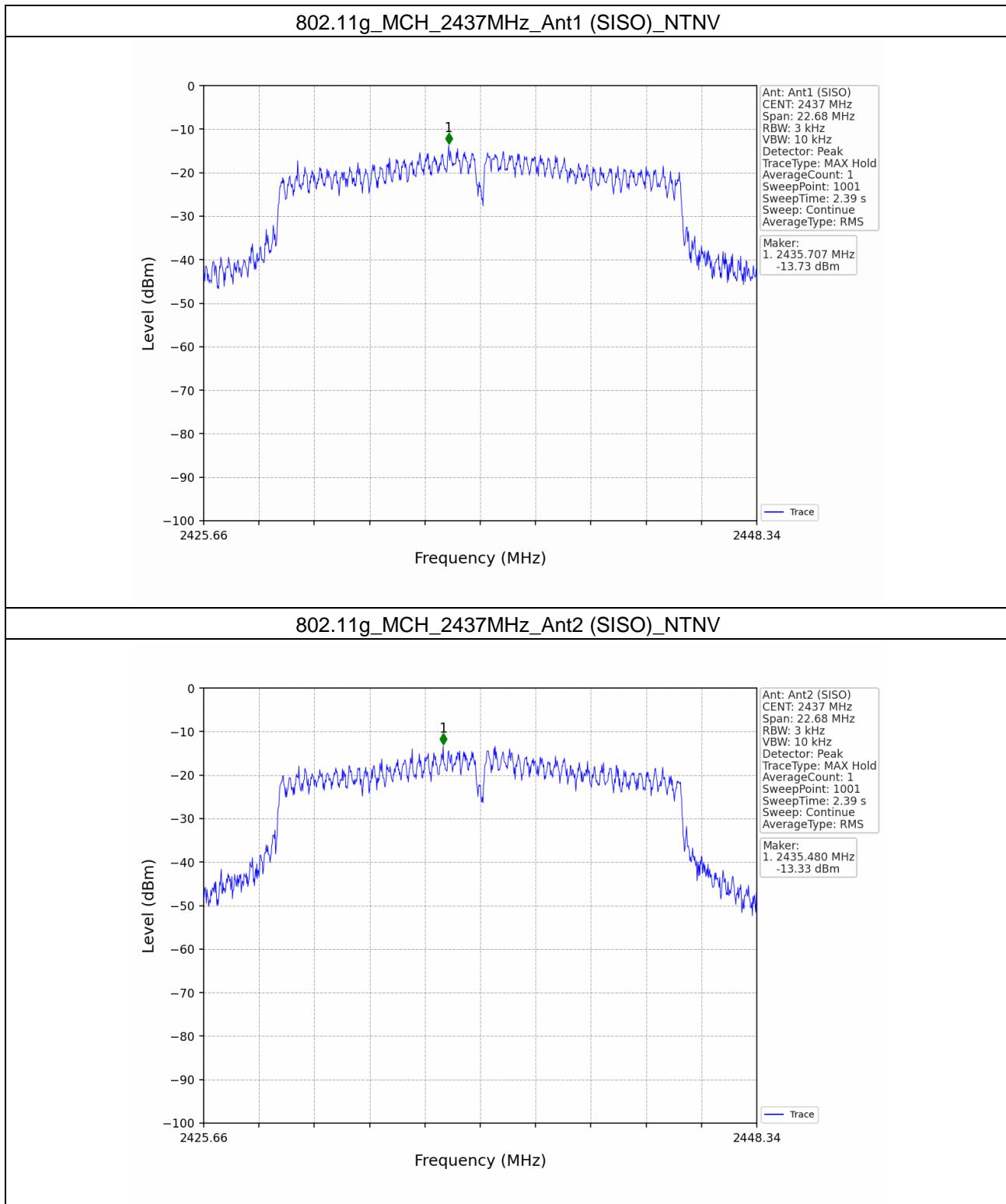
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

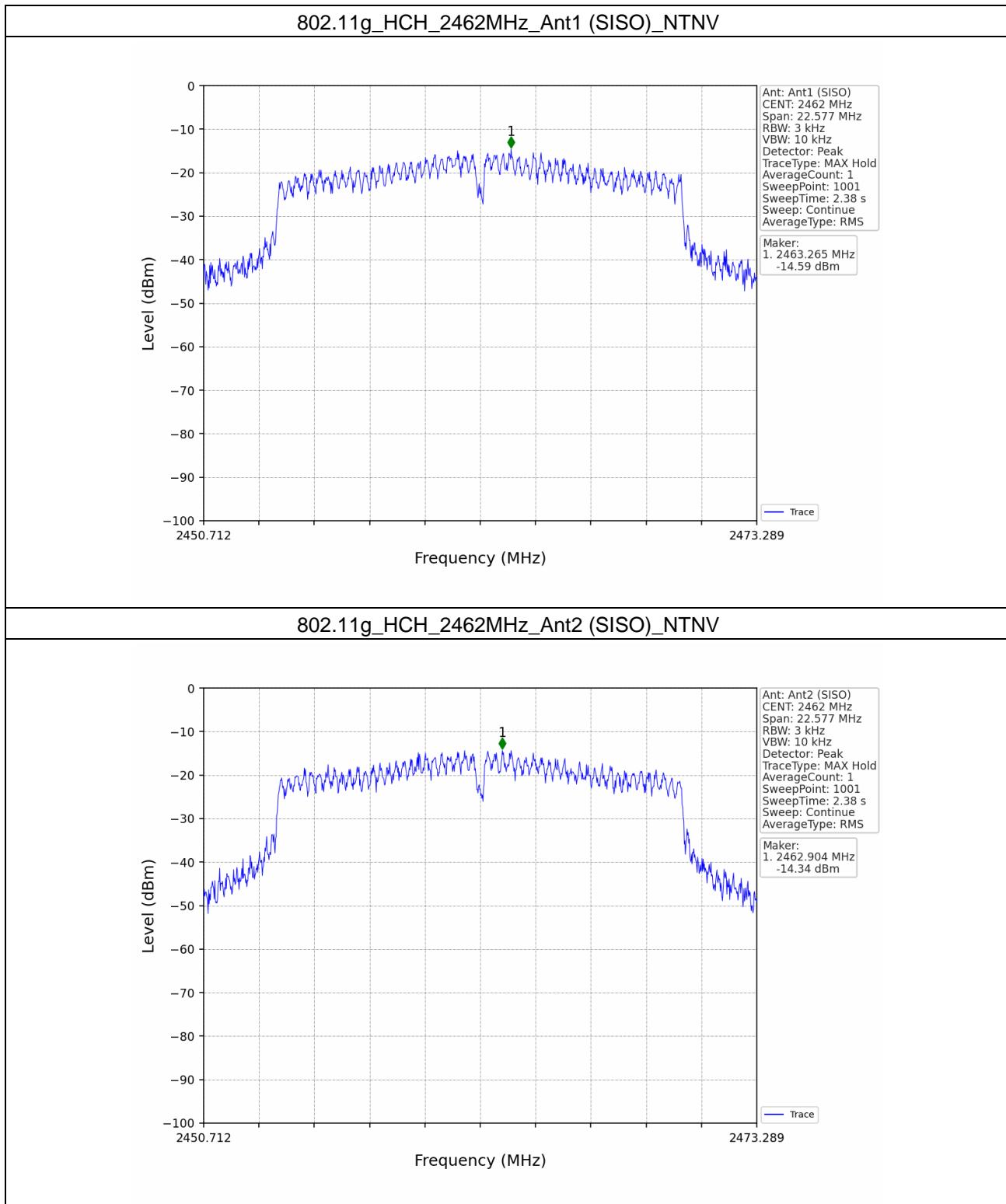


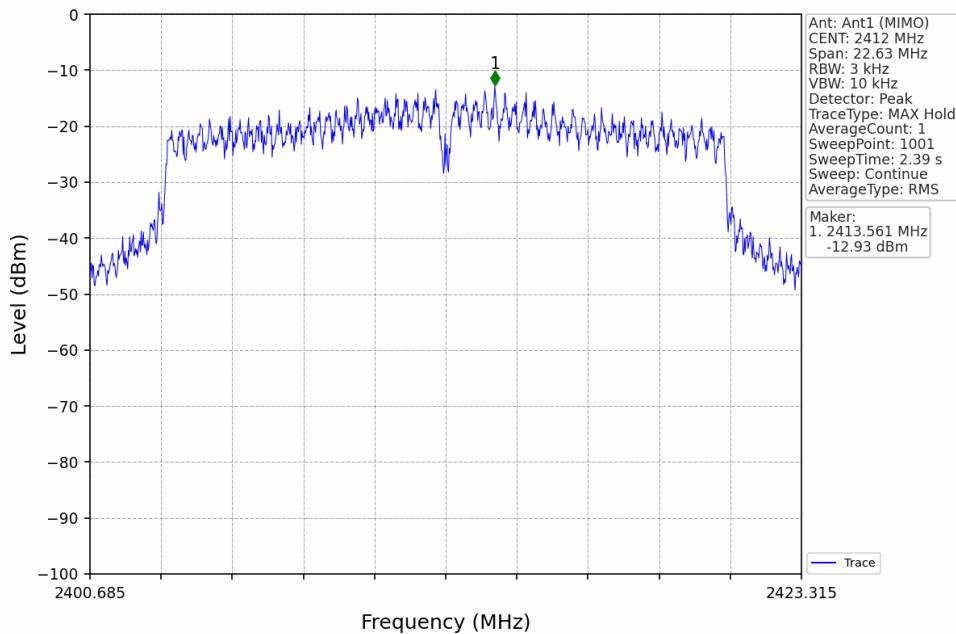
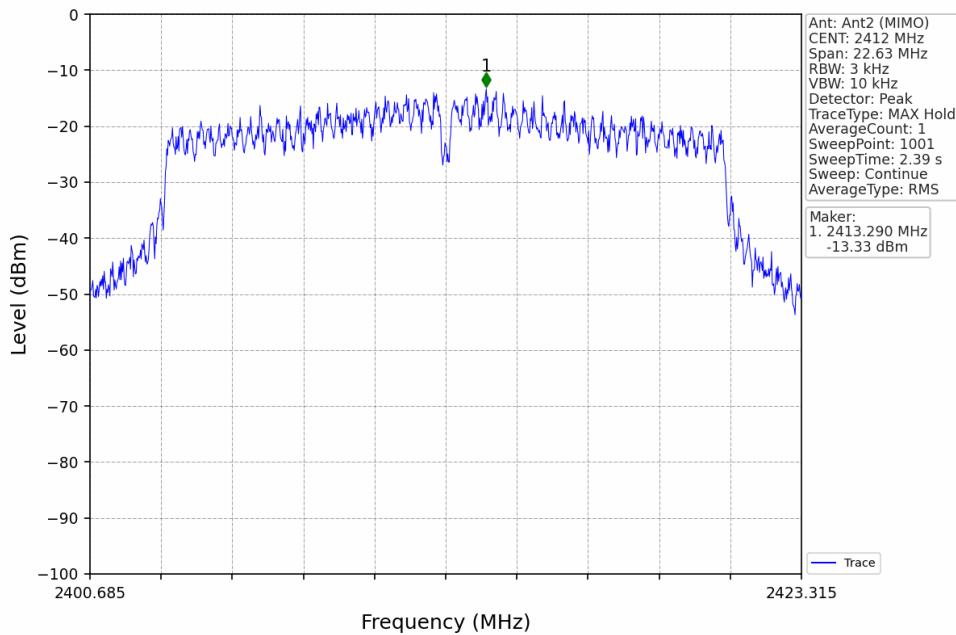
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV









802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV**802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV**

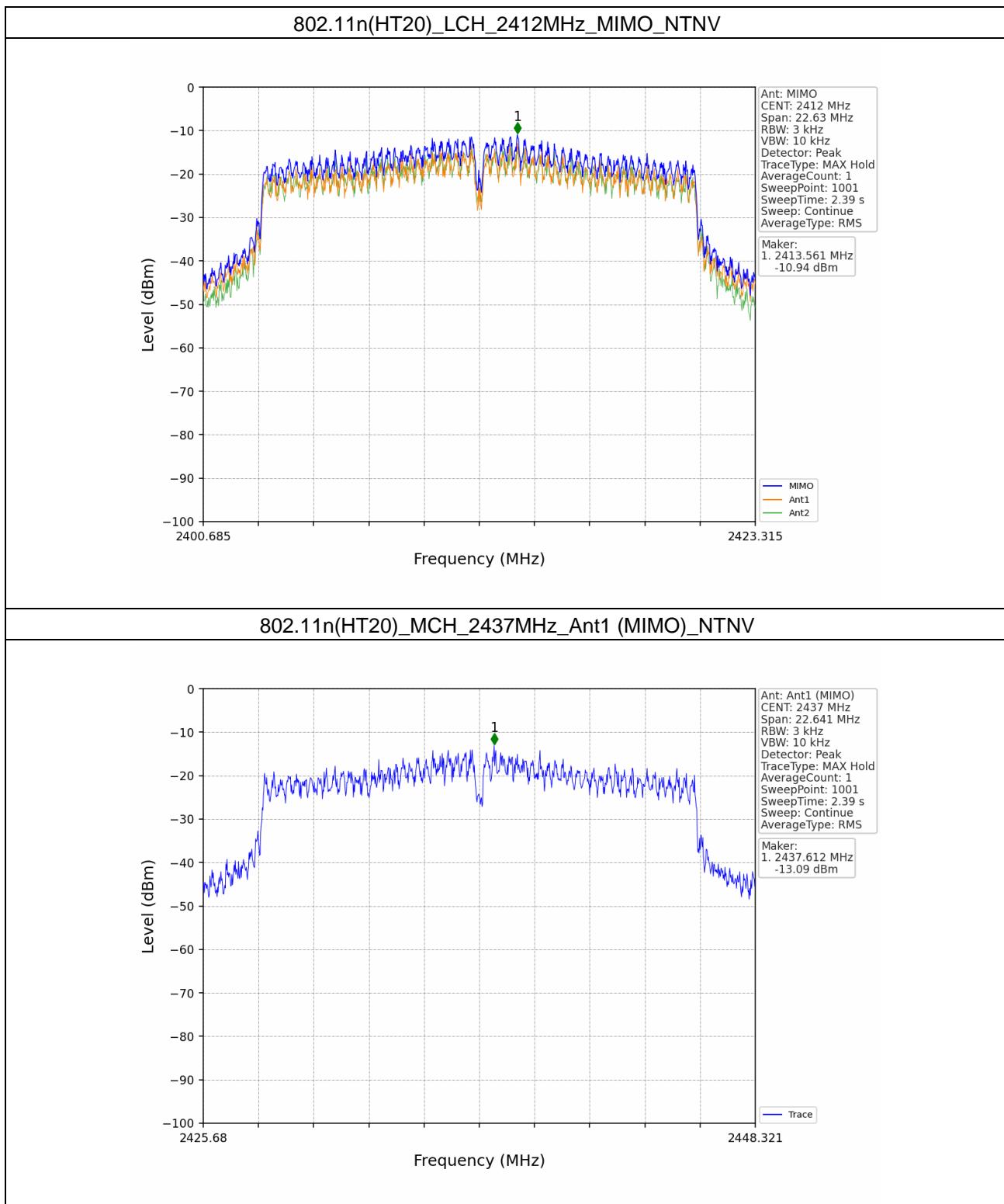
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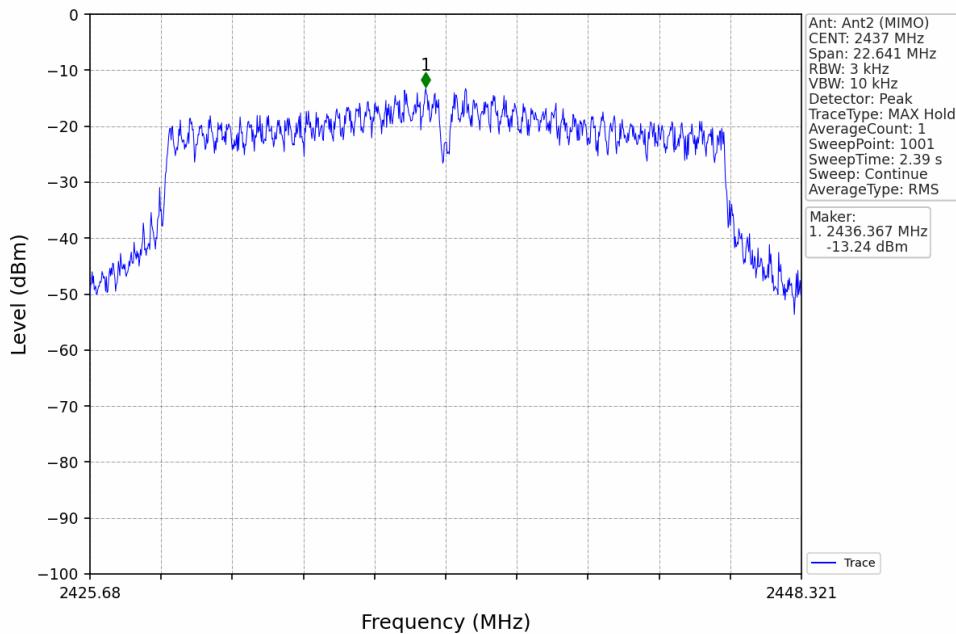
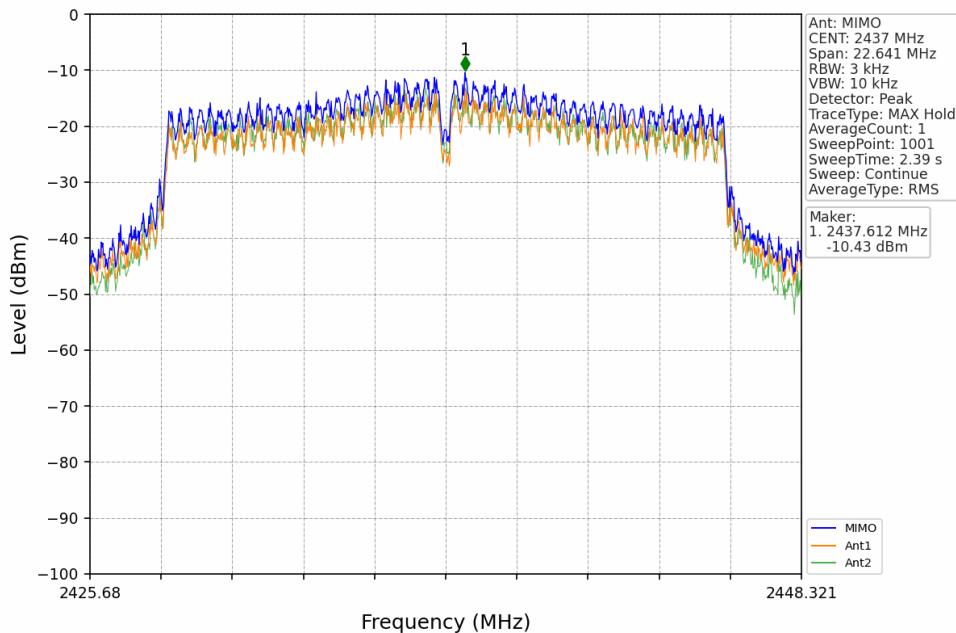
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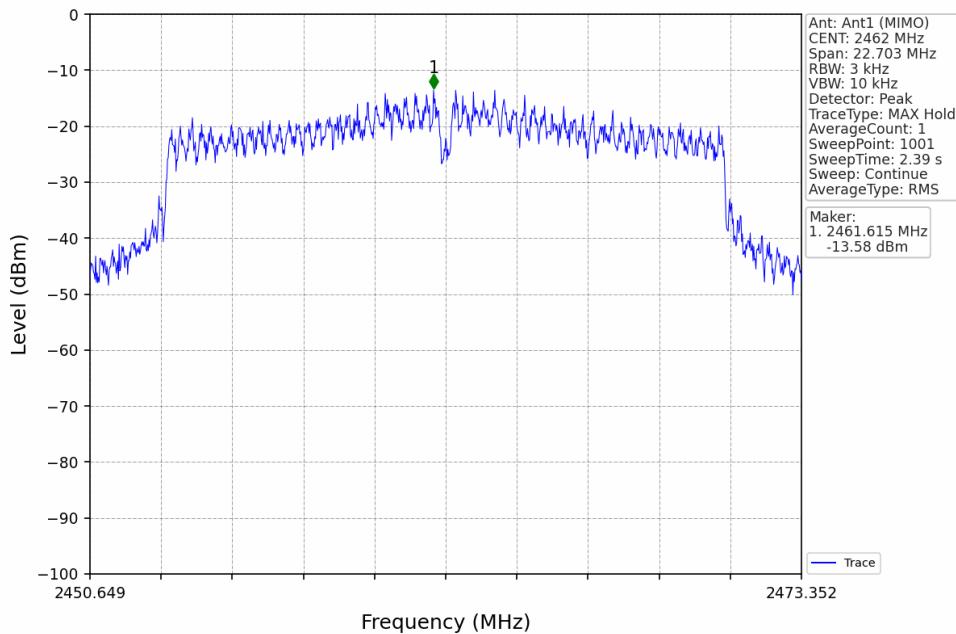
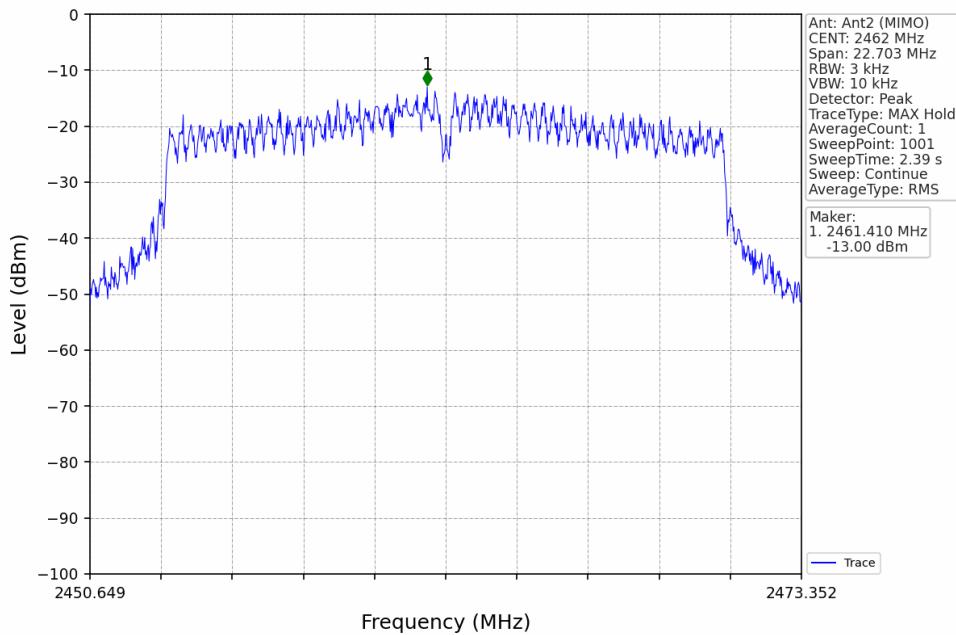
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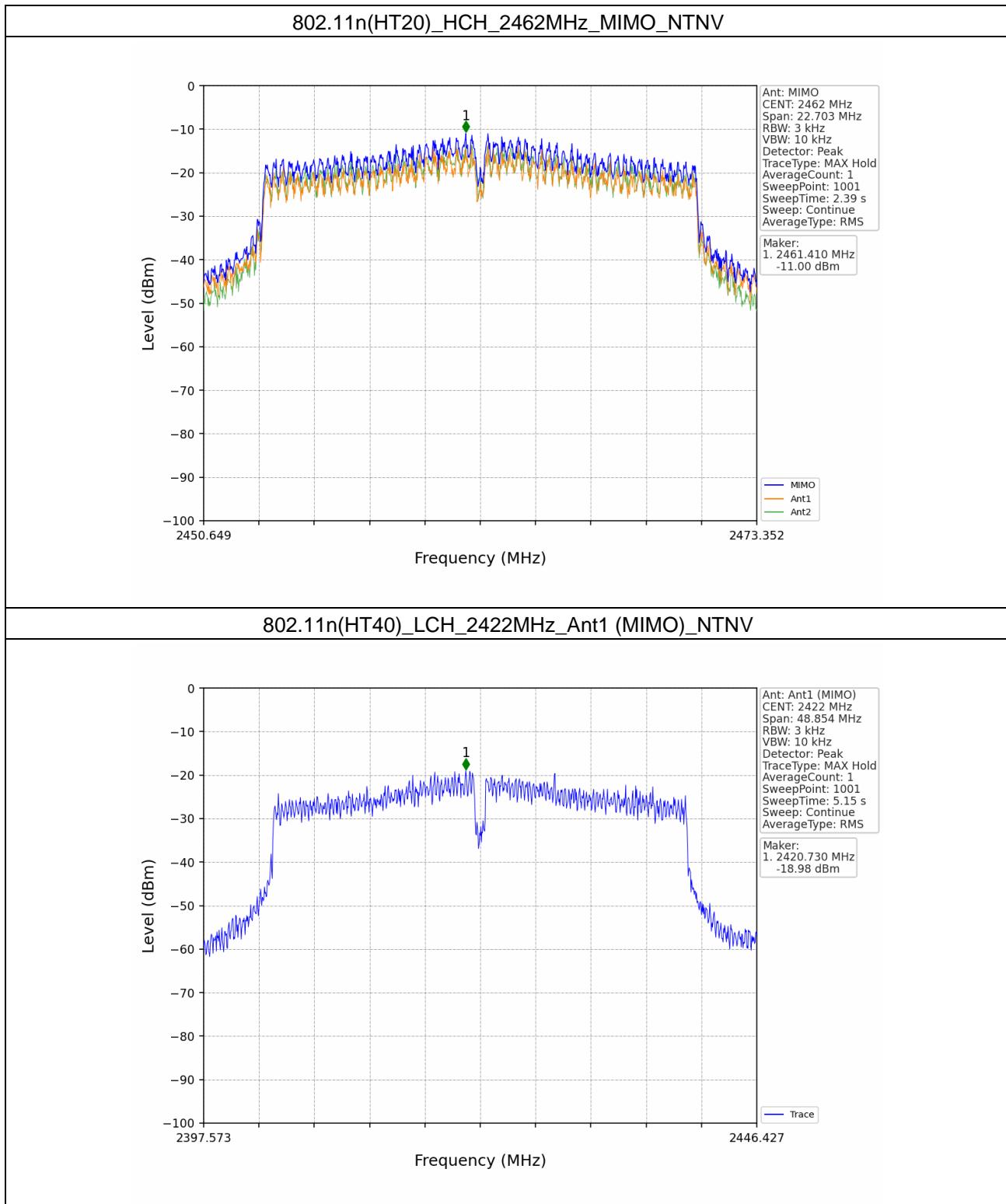


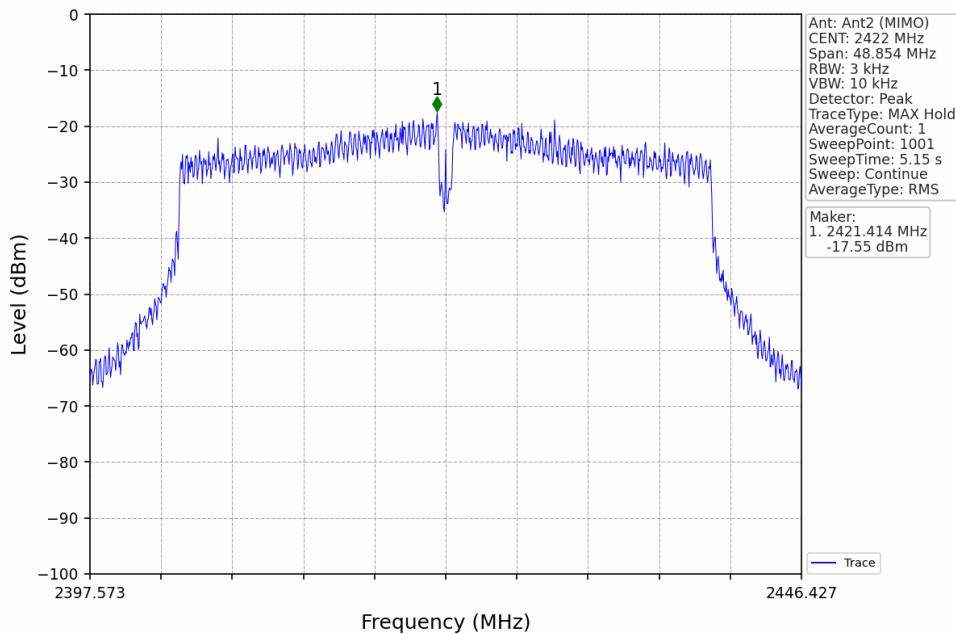
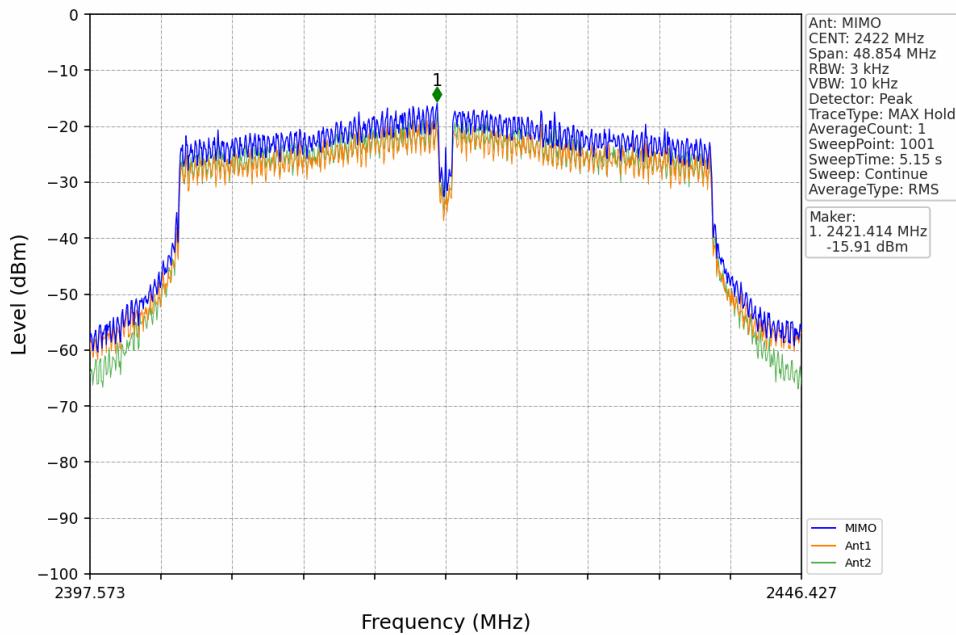
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV**802.11n(HT20)_MCH_2437MHz_MIMO_NTNV**

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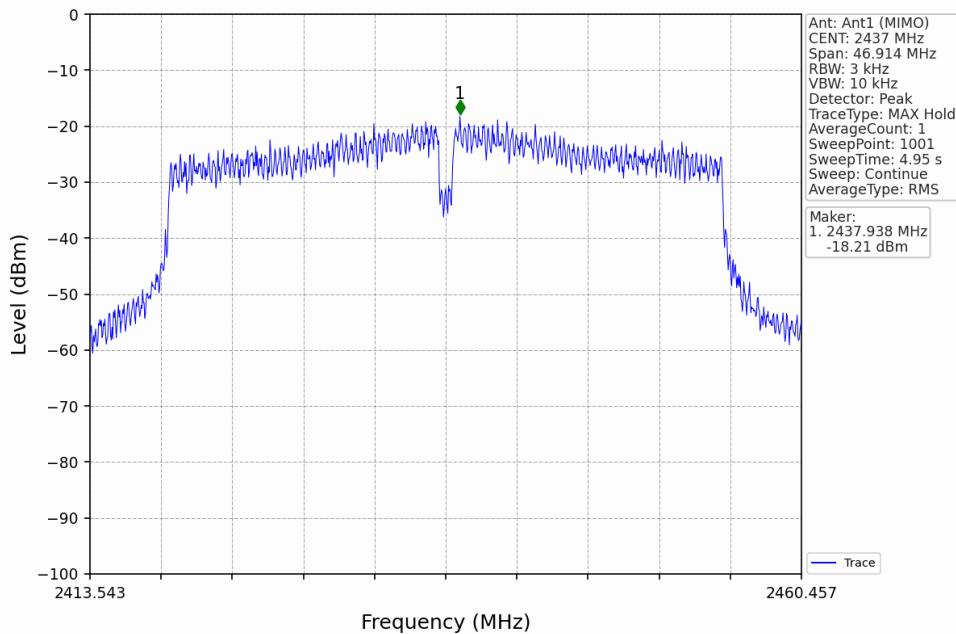
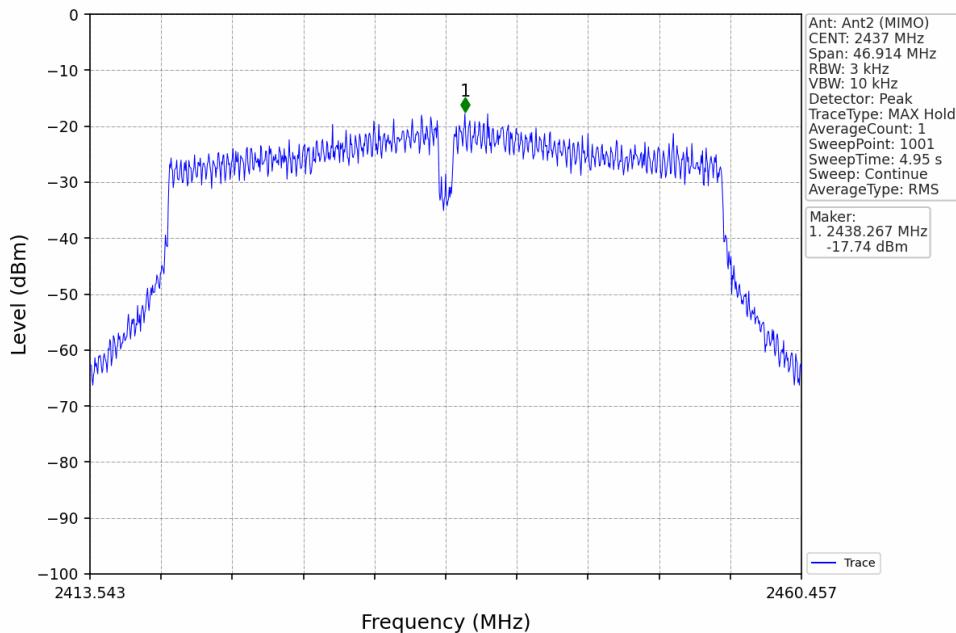
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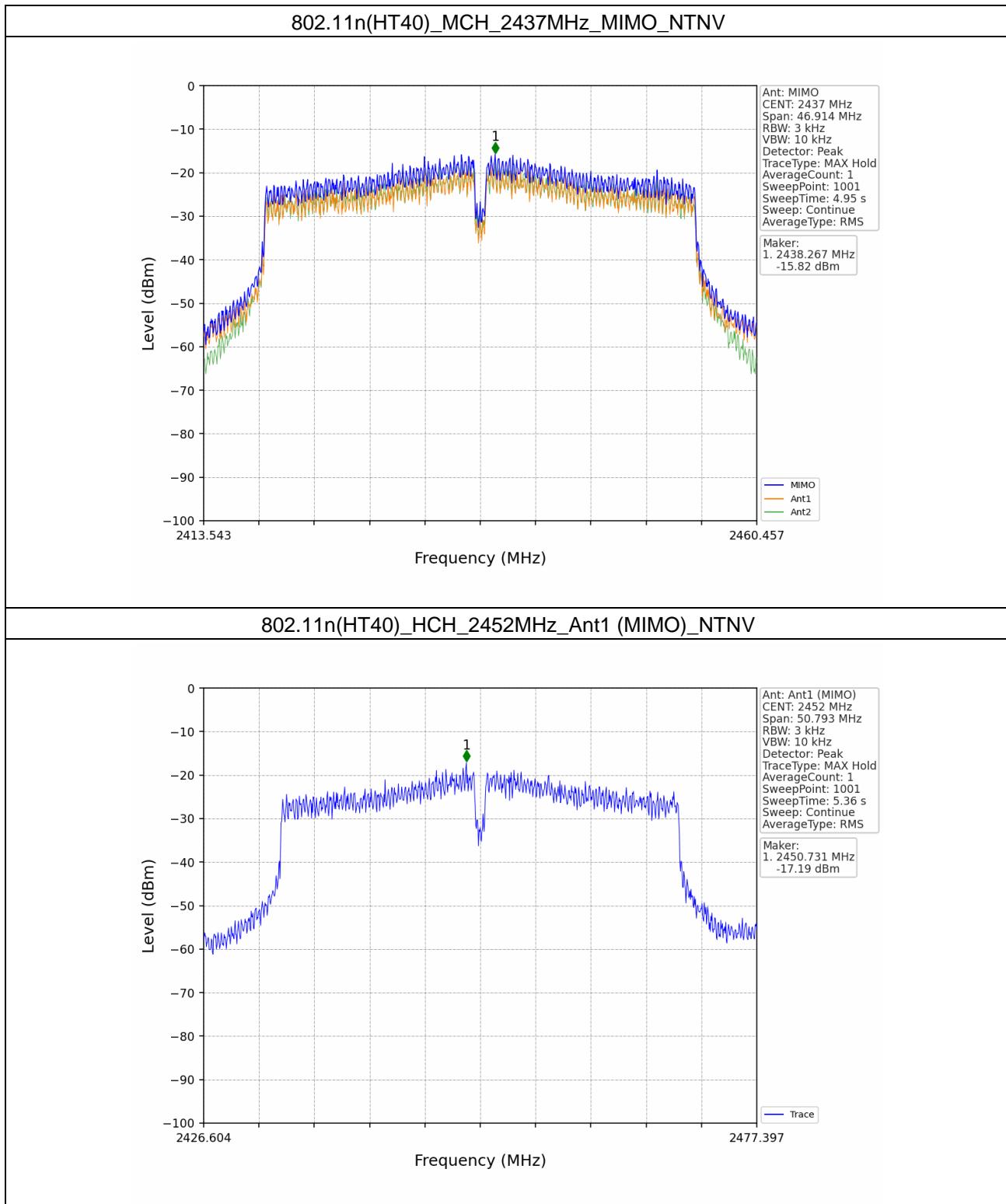


802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV**802.11n(HT40)_LCH_2422MHz_MIMO_NTNV**

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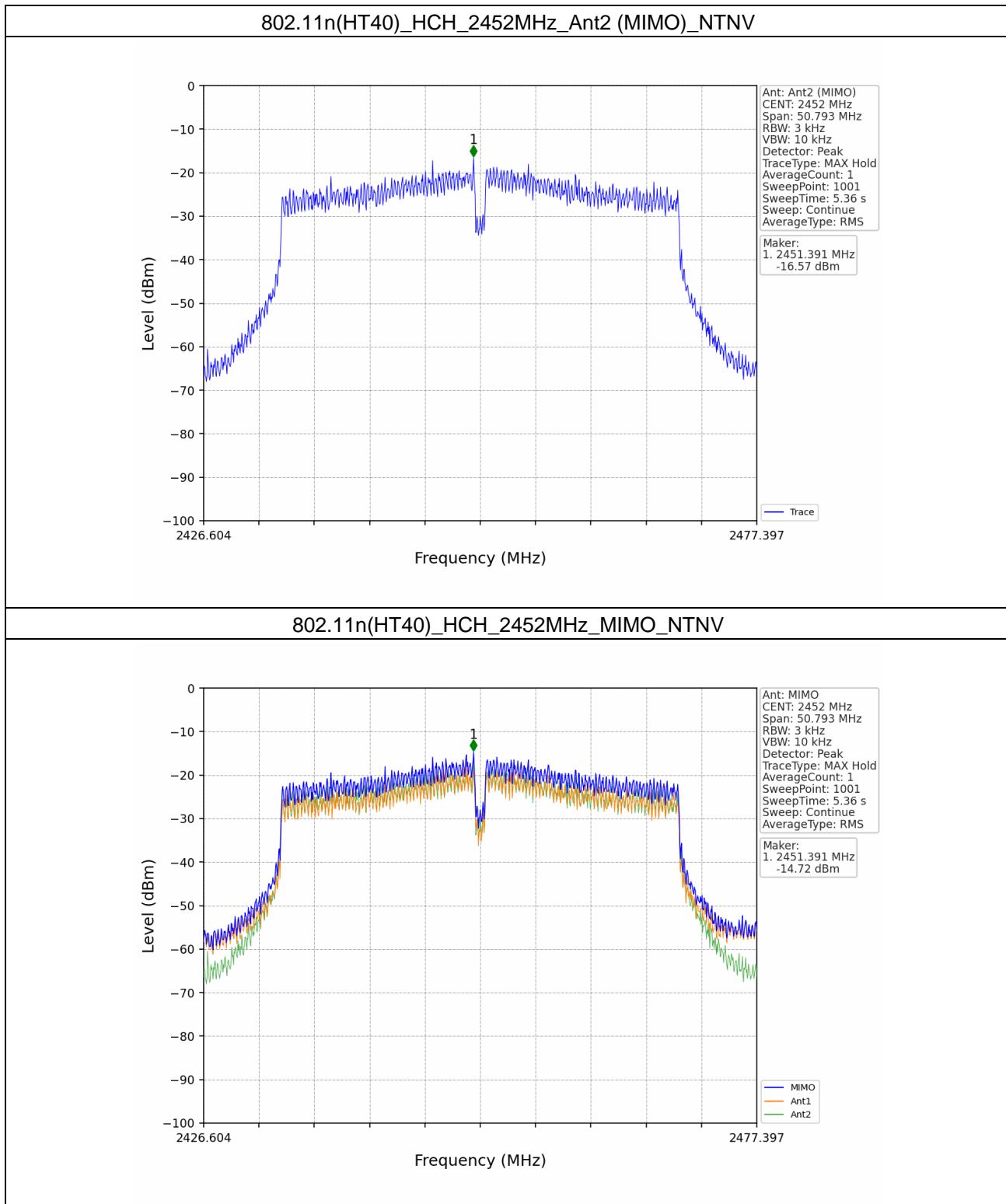
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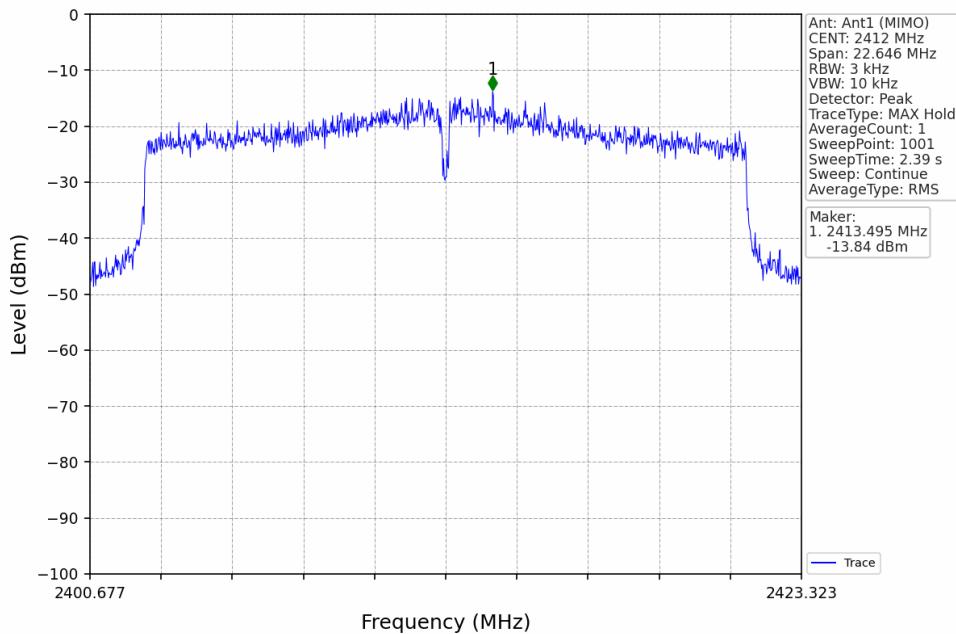
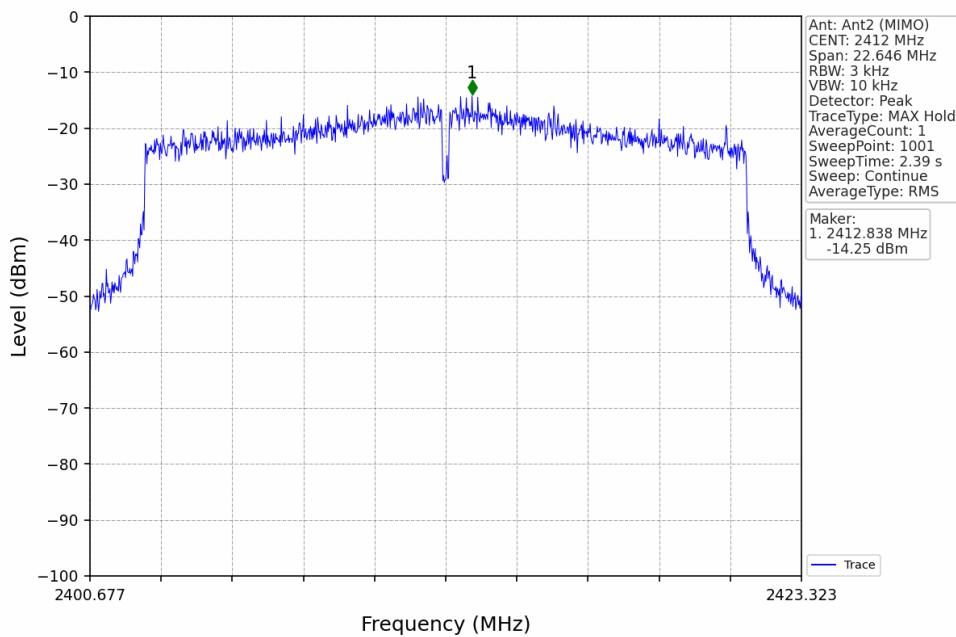
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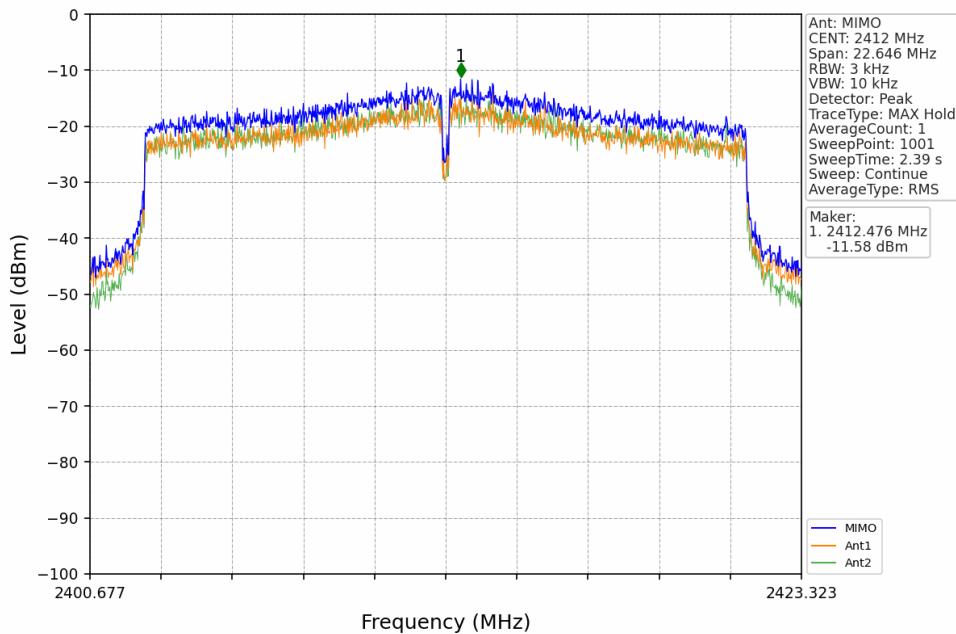
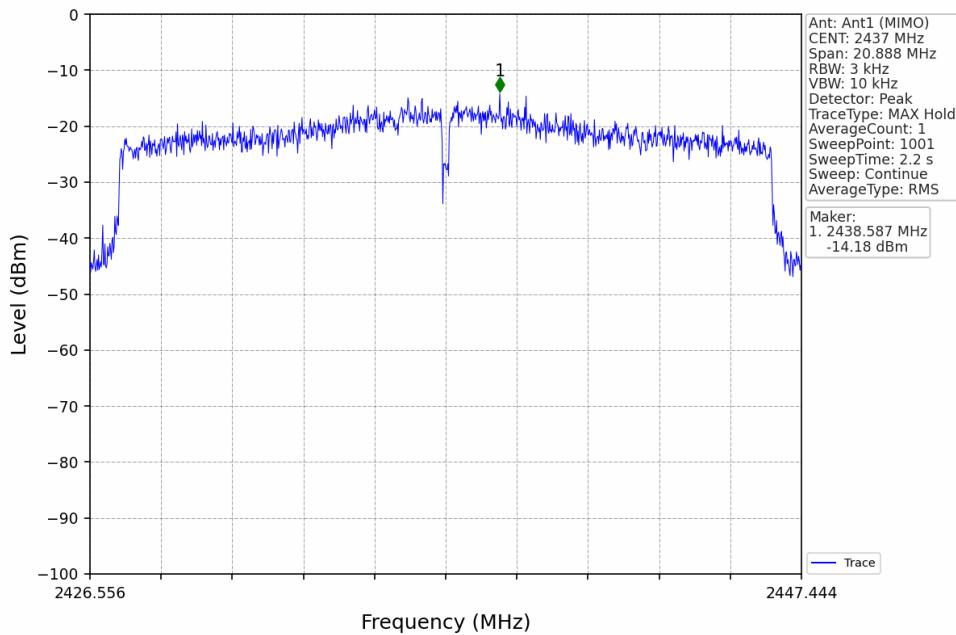
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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_MIMO_NTNV**802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV**

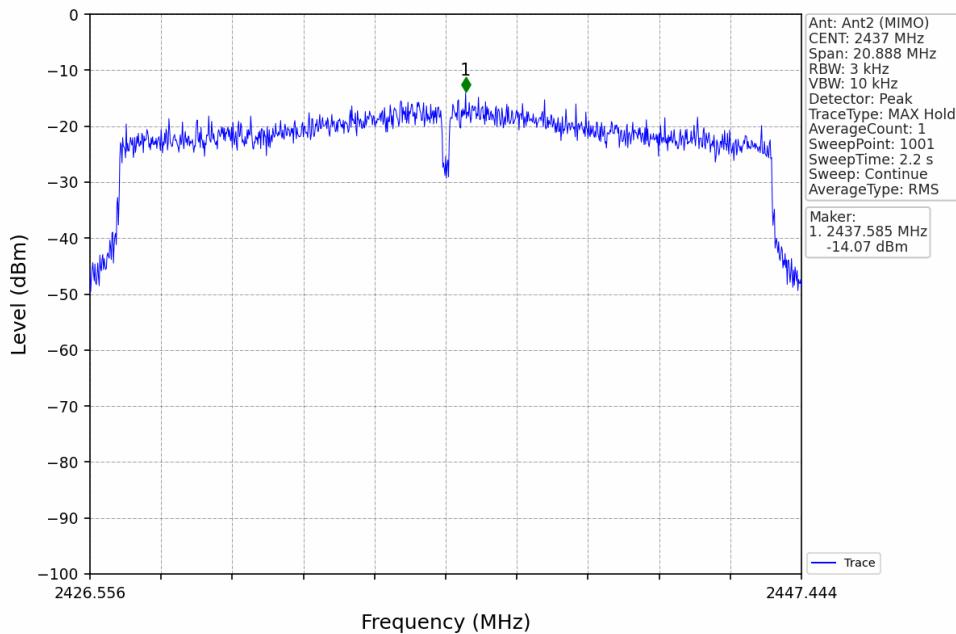
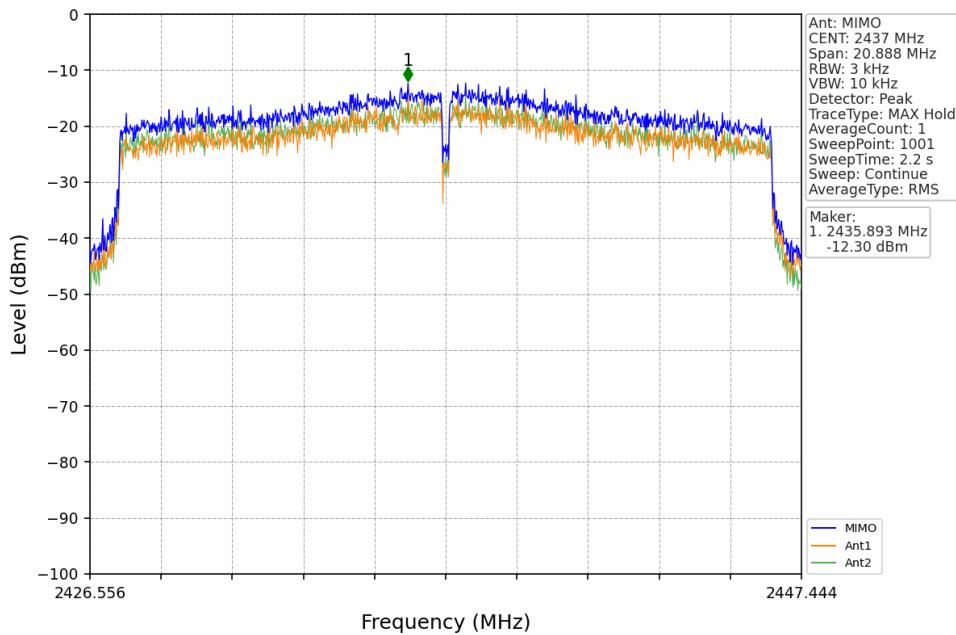
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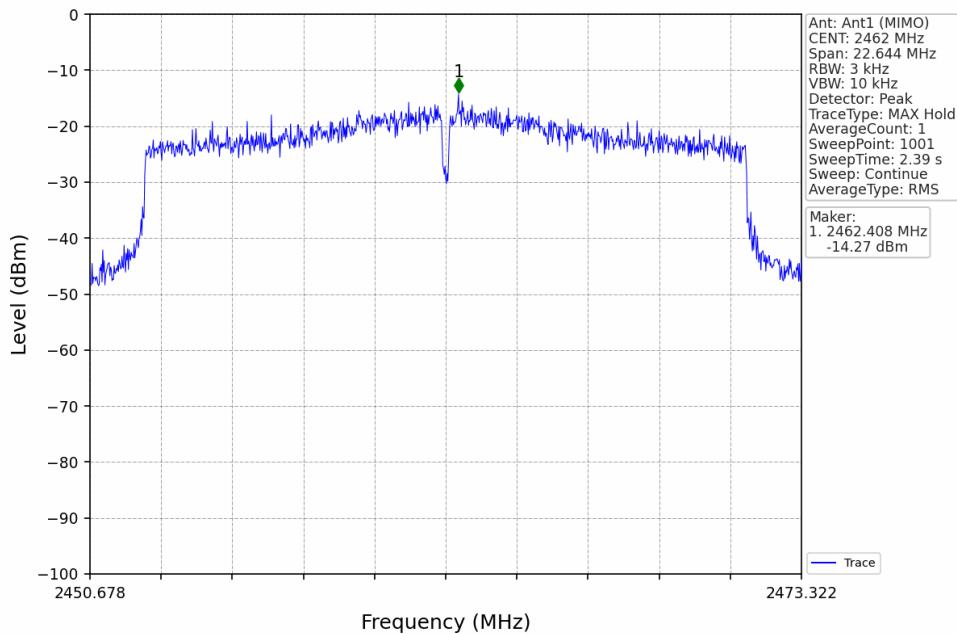
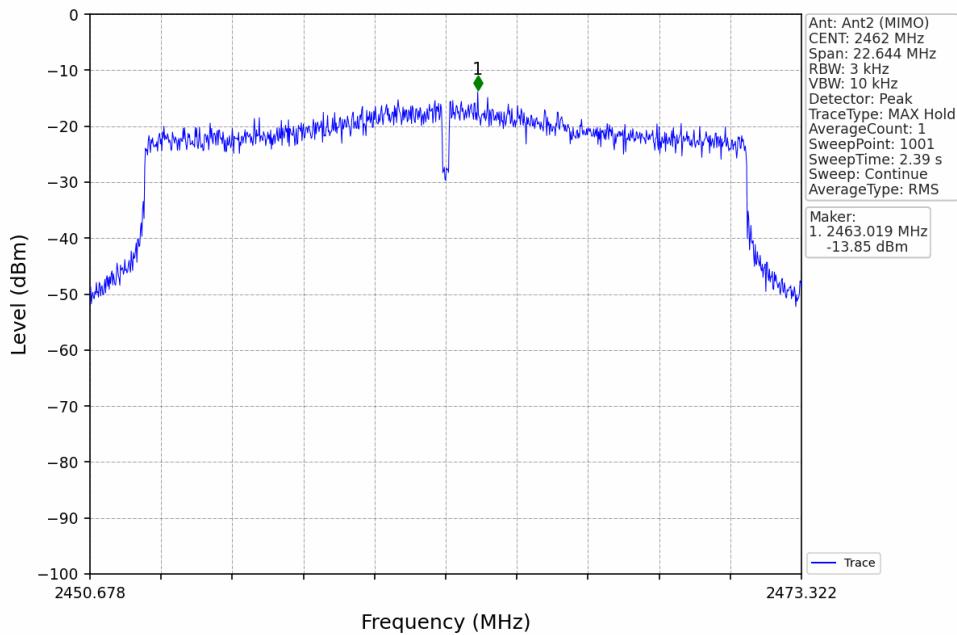
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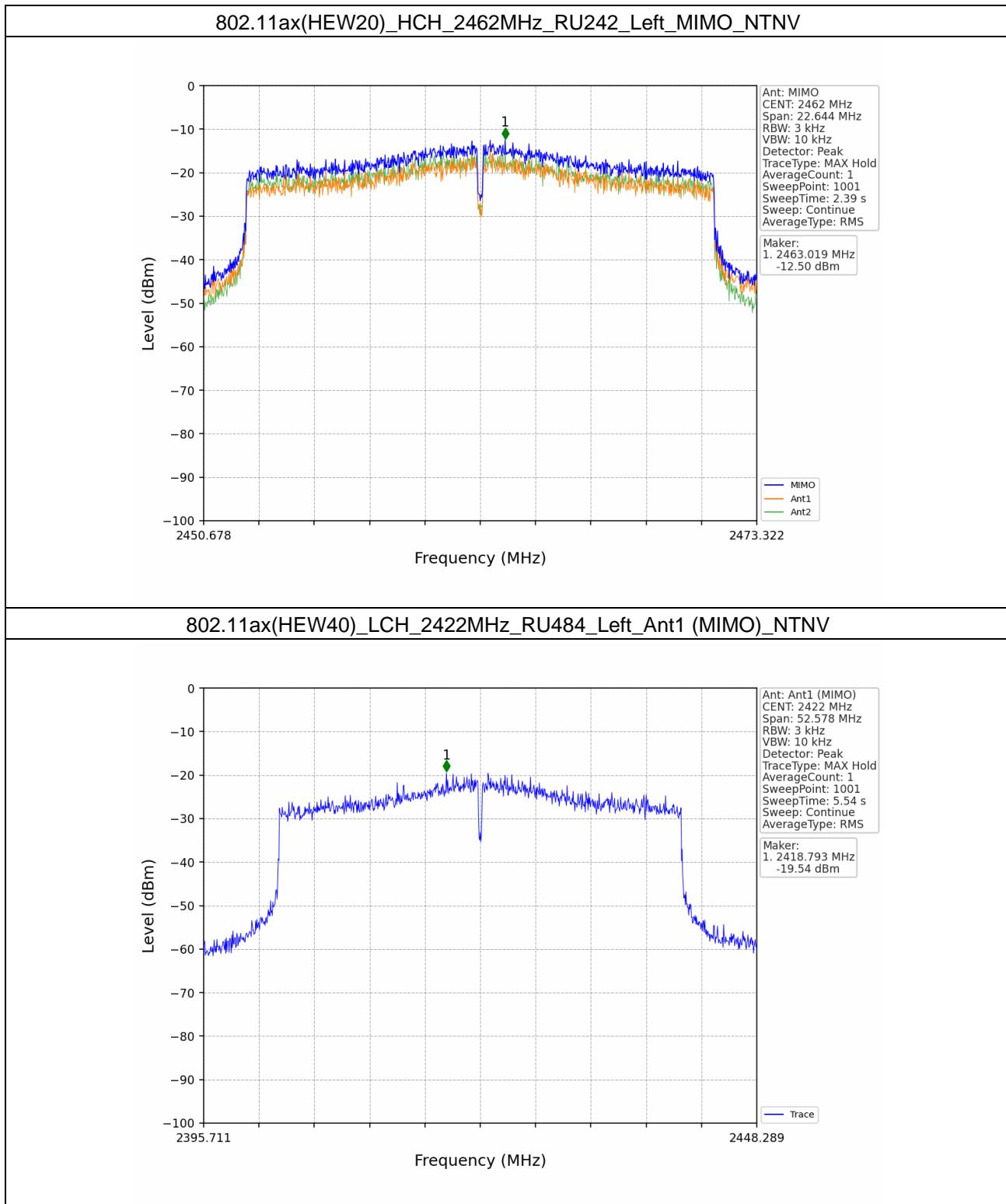
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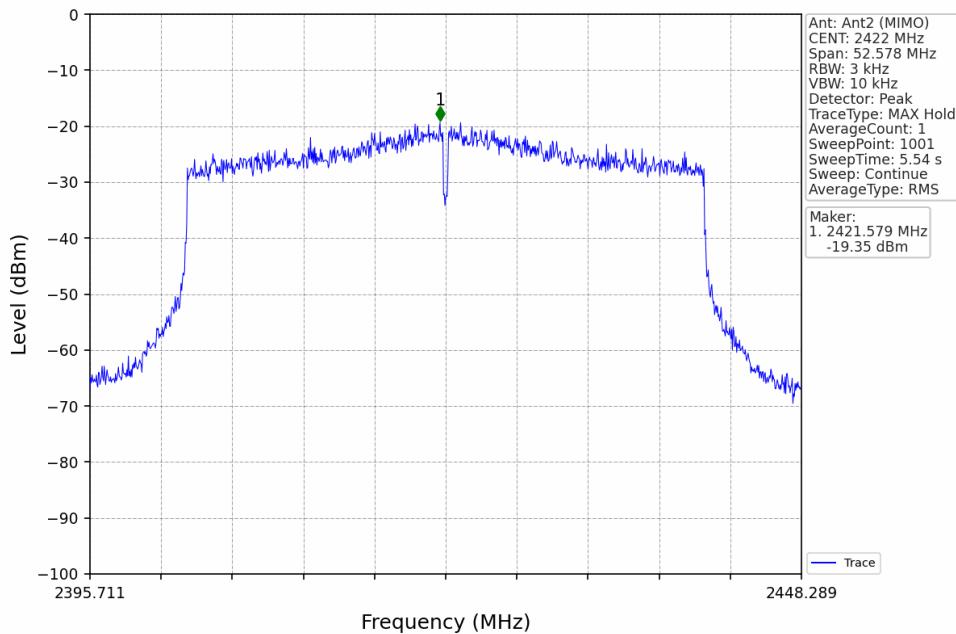
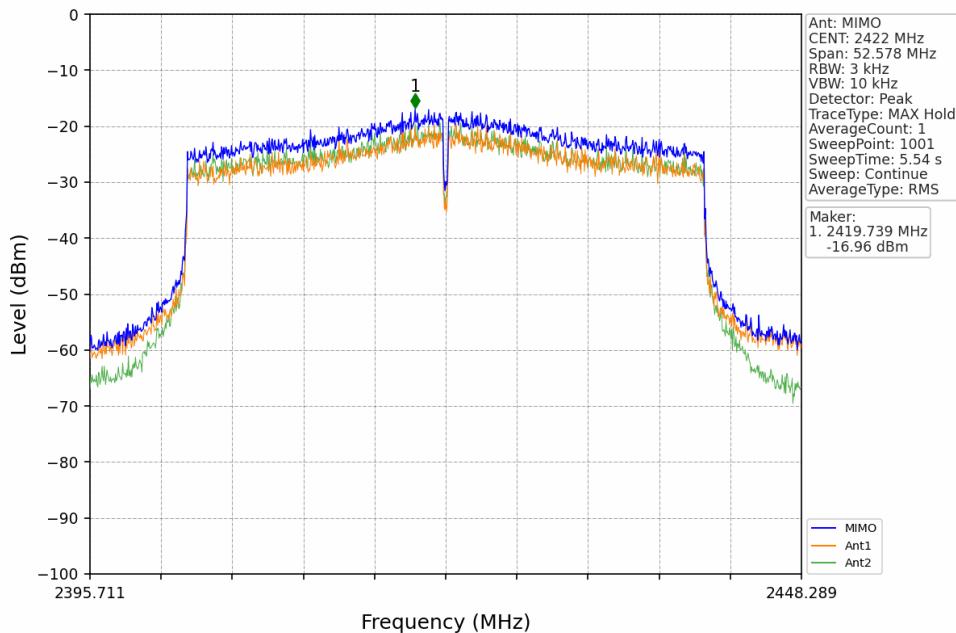
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802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (MIMO)_NTNV**802.11ax(HEW20)_MCH_2437MHz_RU242_Left_MIMO_NTNV**

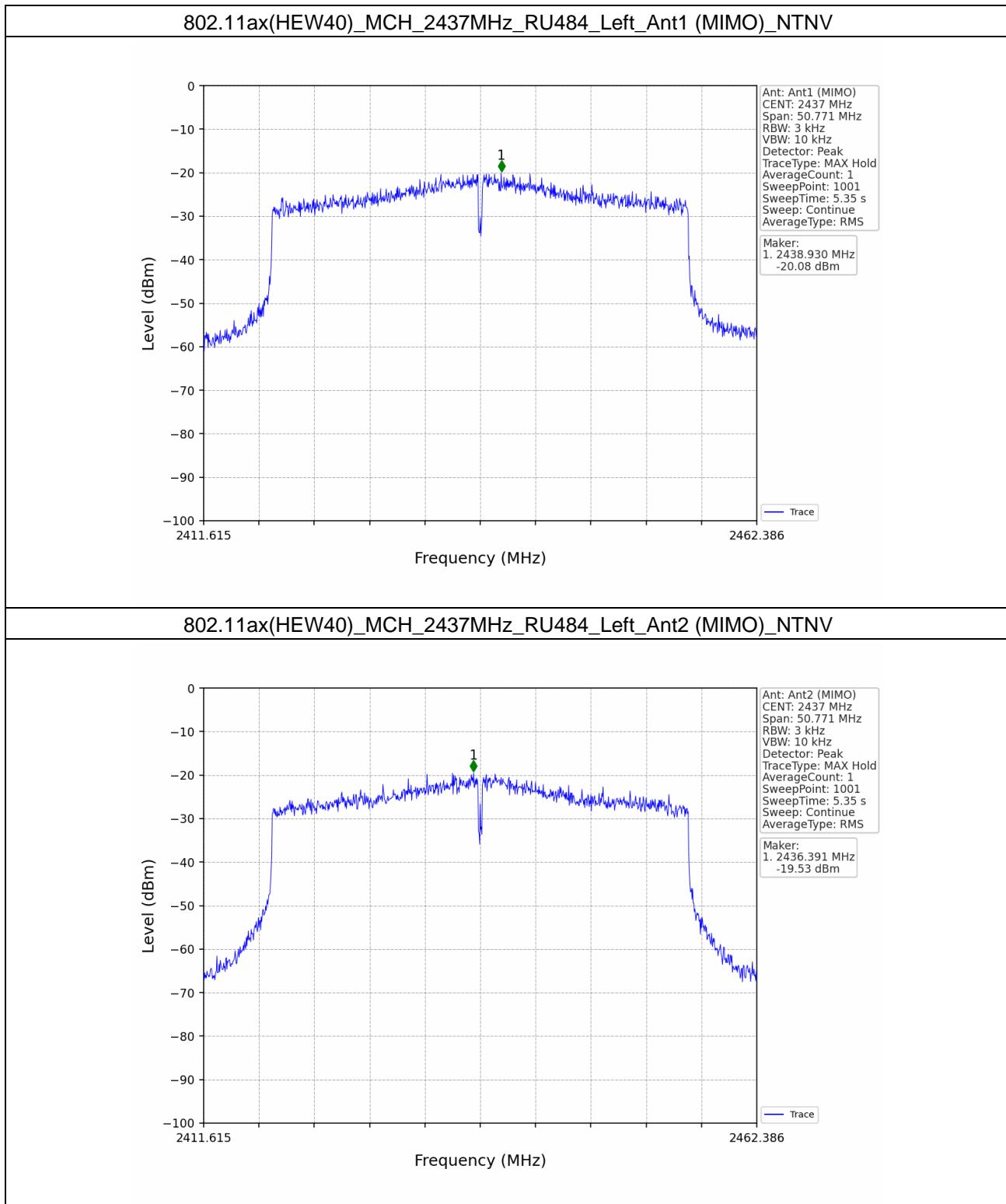
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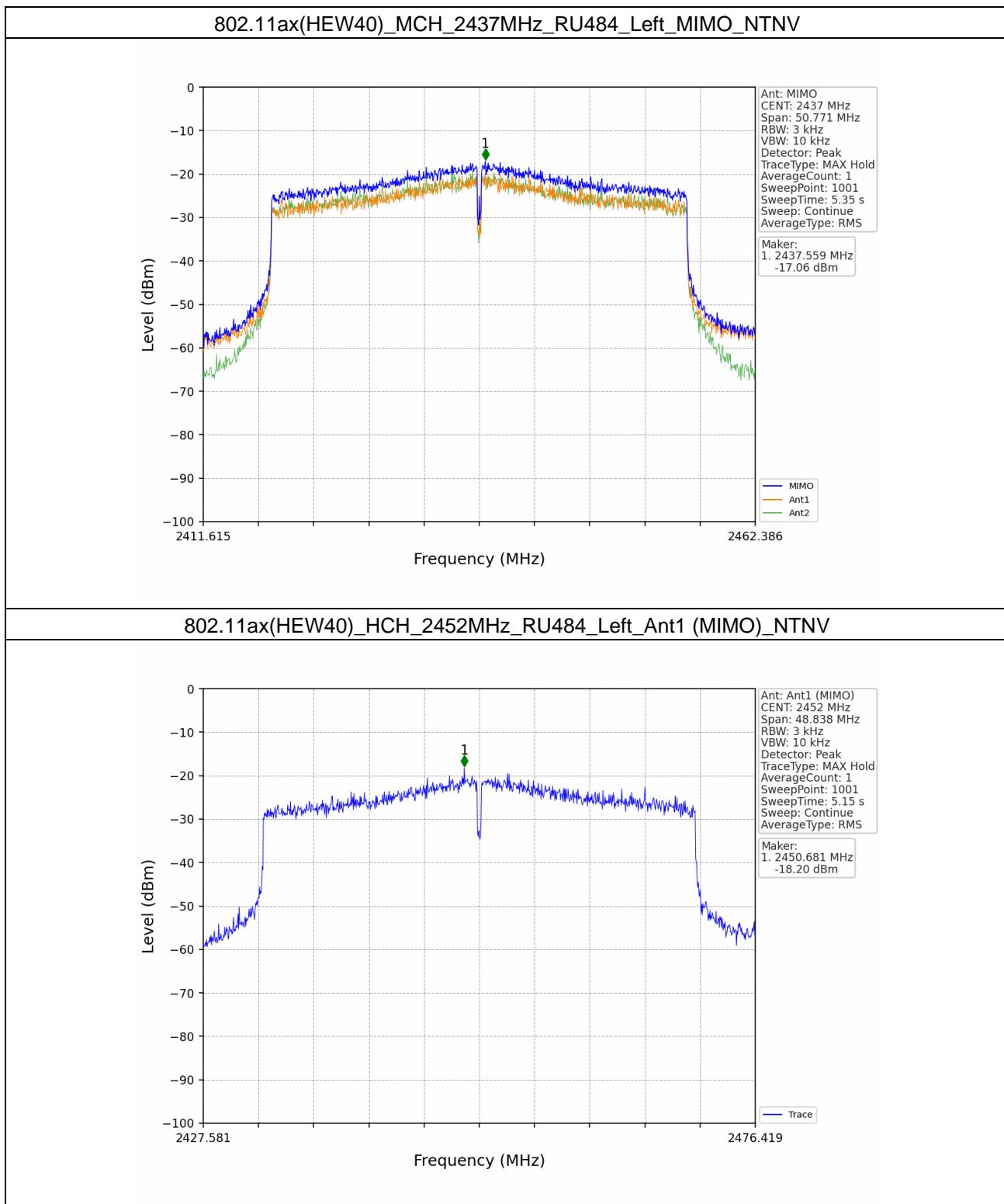


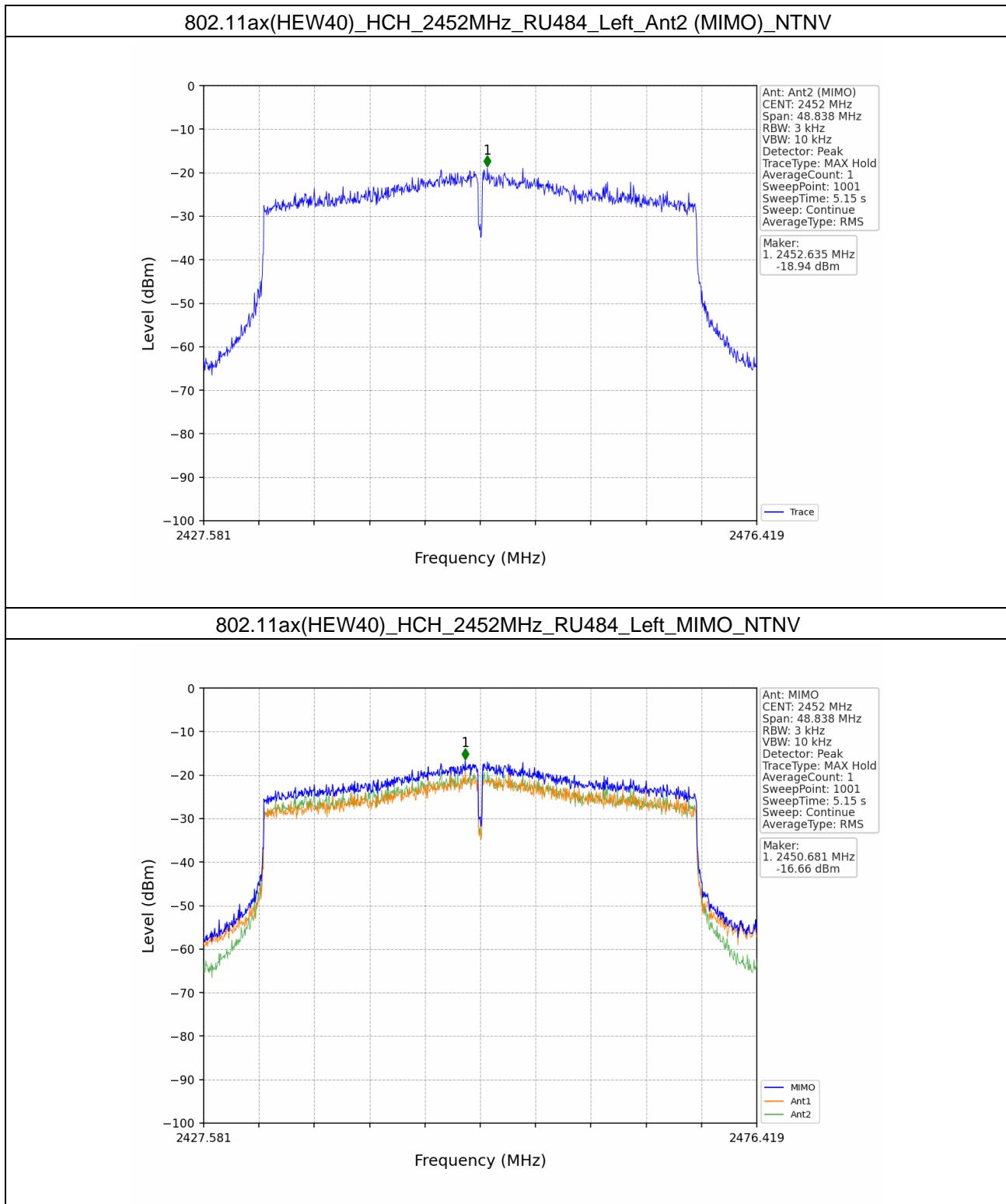
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant2 (MIMO)_NTNV**802.11ax(HEW40)_LCH_2422MHz_RU484_Left_MIMO_NTNV**

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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	6.34
					2	6.14
		2437	/	/	1	7.25
					2	8.02
		2462	/	/	1	6.36
					2	8.03
802.11g	SISO	2412	/	/	1	3.10
					2	3.96
		2437	/	/	1	3.09
					2	3.68
		2462	/	/	1	2.40
					2	3.99
802.11n (HT20)	MIMO	2412	/	/	1	2.67
					2	2.87
		2437	/	/	1	0.97
					2	2.05
		2462	/	/	1	2.24
					2	1.09
802.11n (HT40)	MIMO	2422	/	/	1	-2.68
					2	-2.29
		2437	/	/	1	-2.40
					2	-2.17
		2452	/	/	1	-3.06
					2	-2.57
802.11ax	MIMO	2412	RU242	Left	1	2.03

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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231000342402

Page: 175 of 224

(HEW20)					2	2.17
		2437	RU242	Left	1	2.13
					2	2.31
802.11ax (HEW40)	MIMO	2462	RU242	Left	1	0.60
					2	2.16
		2422	RU484	Left	1	-3.00
					2	-2.60
		2437	RU484	Left	1	-2.45
					2	-2.10
		2452	RU484	Left	1	-3.65
					2	-2.03

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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	7.25	-22.75	Pass
					2	8.03	-21.97	Pass
		2437	/	/	1	7.25	-22.75	Pass
					2	8.03	-21.97	Pass
		2462	/	/	1	7.25	-22.75	Pass
					2	8.03	-21.97	Pass
		2412	/	/	1	3.10	-26.90	Pass
					2	3.99	-26.01	Pass
802.11g	SISO	2437	/	/	1	3.10	-26.90	Pass
					2	3.99	-26.01	Pass
		2462	/	/	1	3.10	-26.90	Pass
					2	3.99	-26.01	Pass
		2412	/	/	1	2.67	-27.33	Pass
					2	2.87	-27.13	Pass
		2437	/	/	1	2.67	-27.33	Pass
					2	2.87	-27.13	Pass
802.11n (HT20)	MIMO	2462	/	/	1	2.67	-27.33	Pass
					2	2.87	-27.13	Pass
		2412	/	/	1	-2.40	-32.40	Pass
					2	-2.17	-32.17	Pass
		2437	/	/	1	-2.40	-32.40	Pass
					2	-2.17	-32.17	Pass
		2452	/	/	1	-2.40	-32.40	Pass
					2	-2.17	-32.17	Pass
802.11n (HT40)	MIMO	2422	/	/	1	2.13	-27.87	Pass
					2	2.31	-27.69	Pass
		2437	/	/	1	2.13	-27.87	Pass
					2	2.31	-27.69	Pass
		2452	/	/	1	2.13	-27.87	Pass
					2	2.31	-27.69	Pass
		2412	RU242	Left	1	2.13	-27.87	Pass
					2	2.31	-27.69	Pass
802.11ax (HEW20)	MIMO	2437	RU242	Left	1	2.13	-27.87	Pass
					2	2.31	-27.69	Pass
		2462	RU242	Left	1	2.13	-27.87	Pass
					2	2.31	-27.69	Pass
		2422	RU484	Left	1	-2.45	-32.45	Pass
					2	-2.03	-32.03	Pass
		2437	RU484	Left	1	-2.45	-32.45	Pass
					2	-2.03	-32.03	Pass
802.11ax (HEW40)	MIMO	2452	RU484	Left	1	-2.45	-32.45	Pass
					2	-2.03	-32.03	Pass

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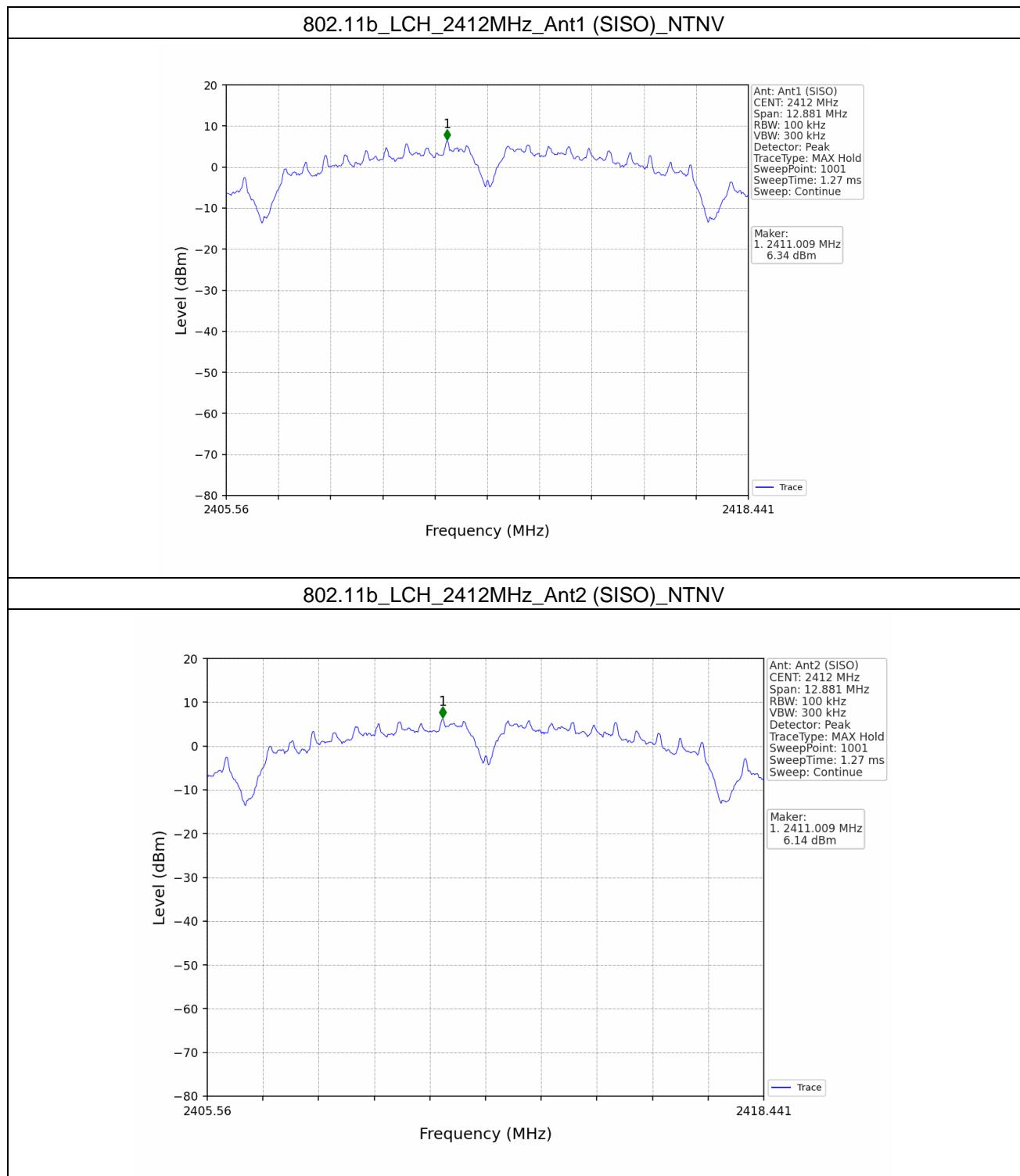
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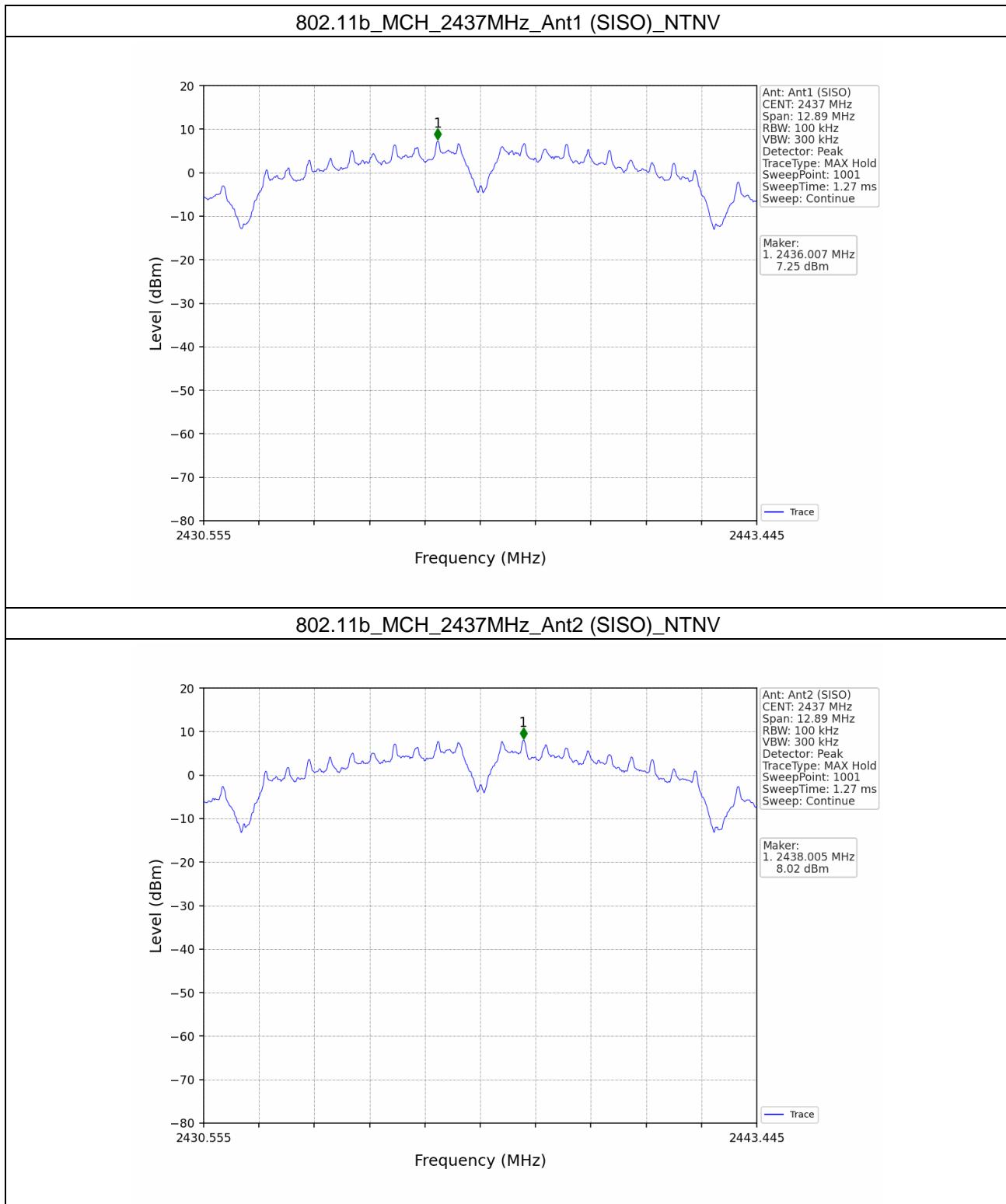
5.2 Test Graph

5.2.1 Ref

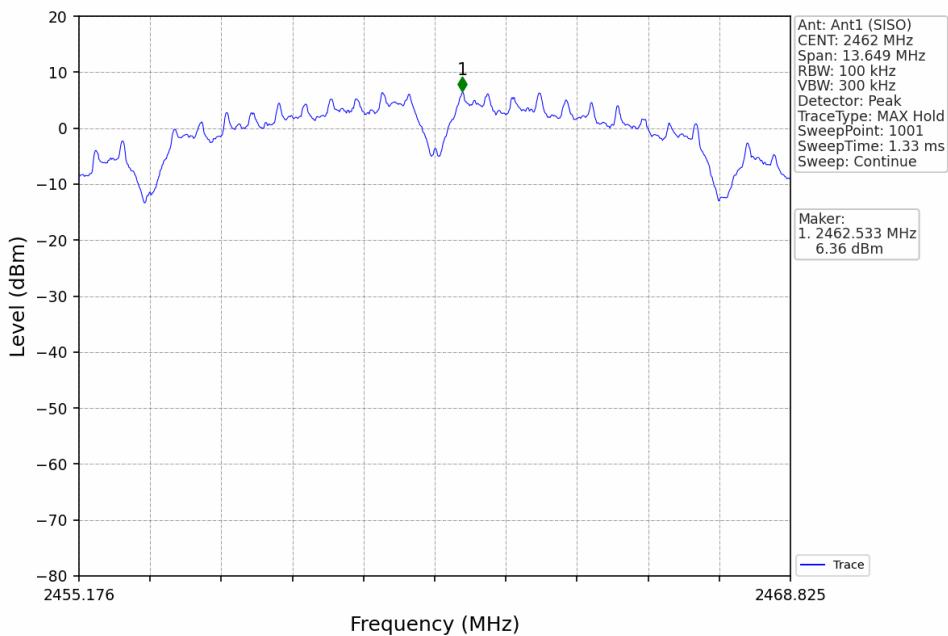


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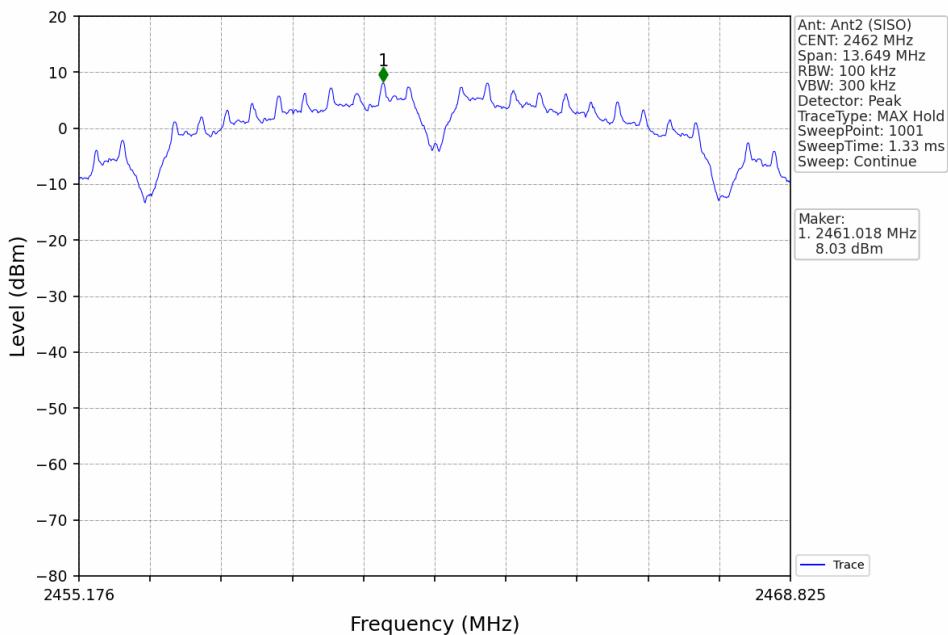
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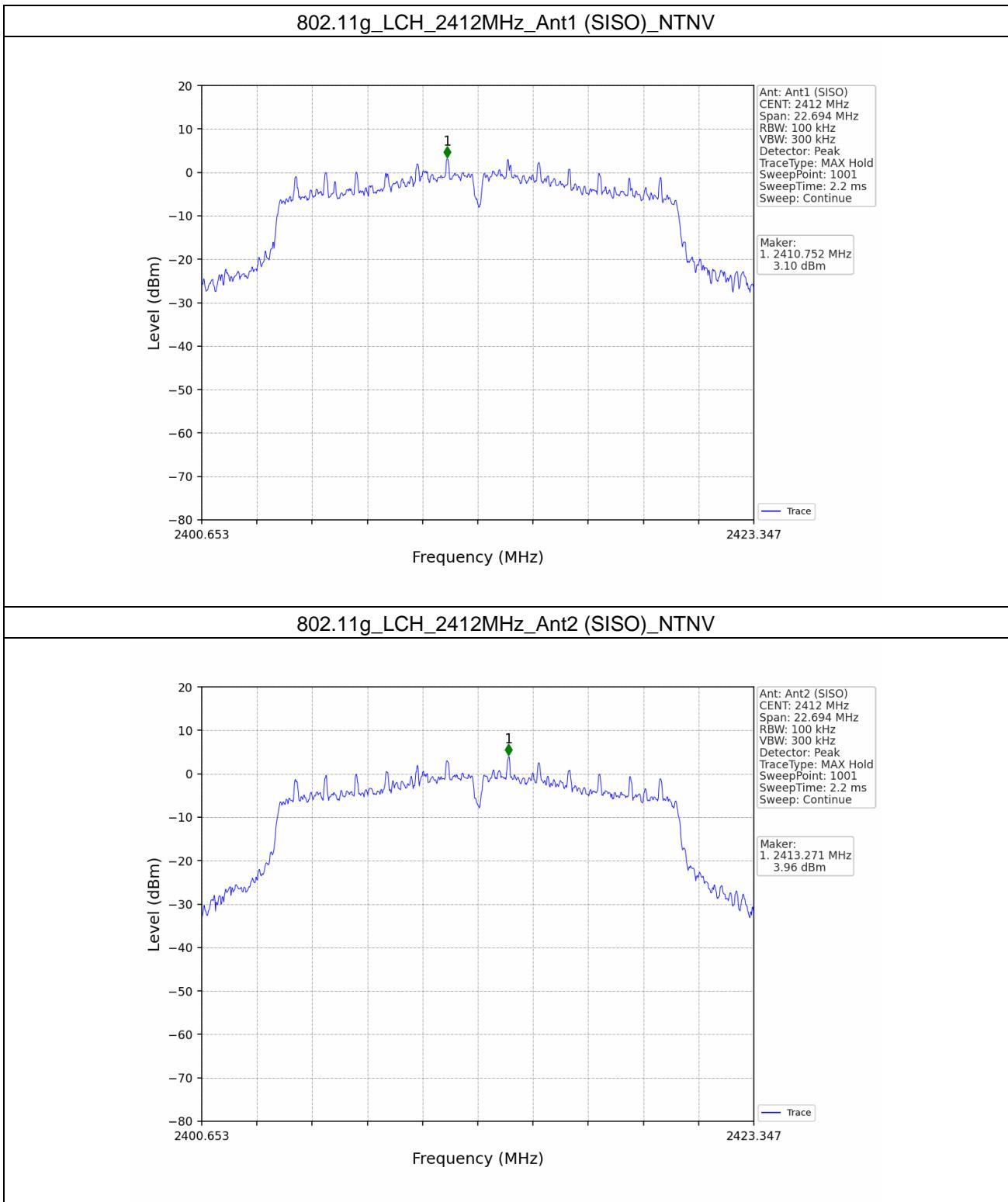


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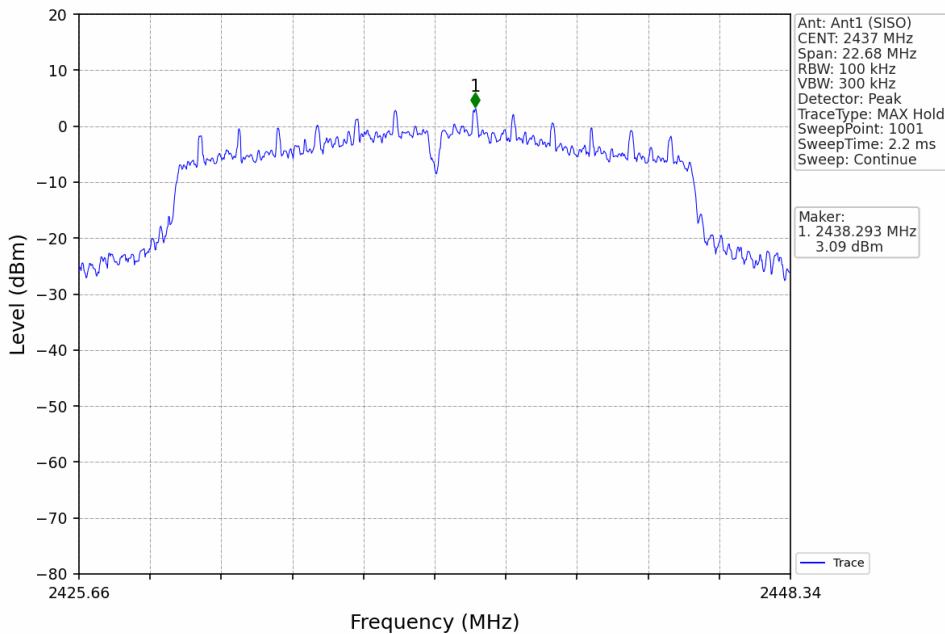


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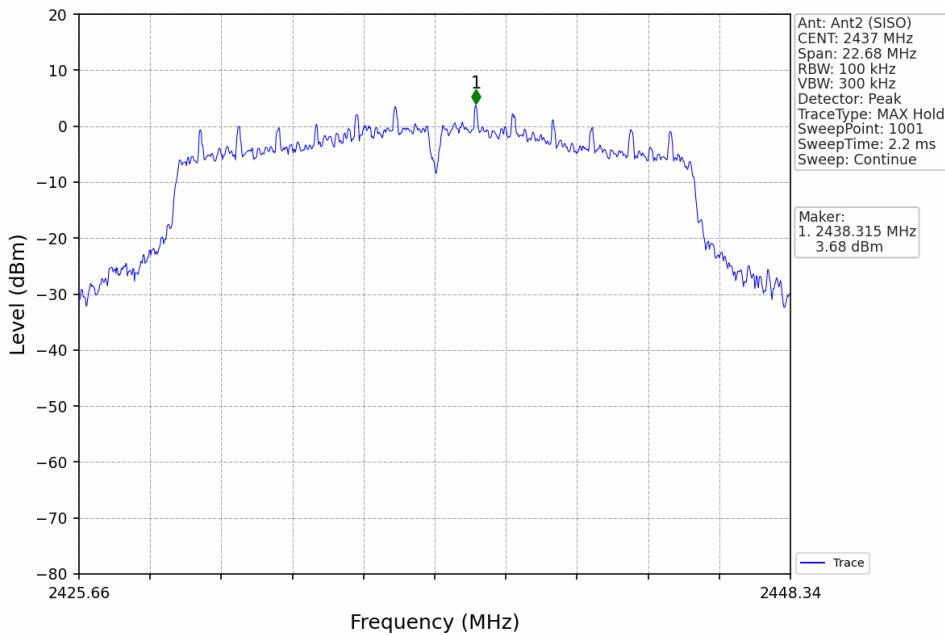




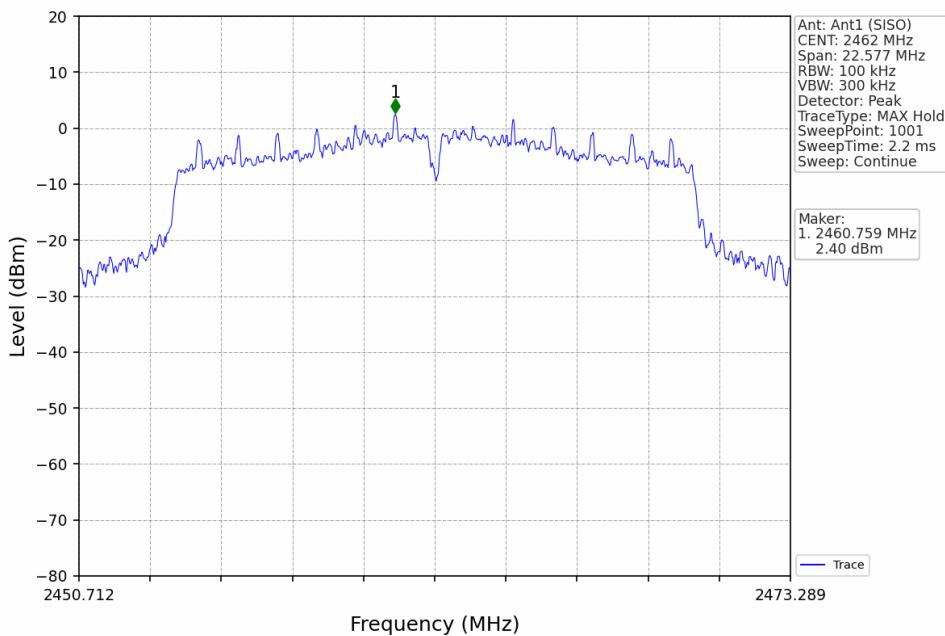
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



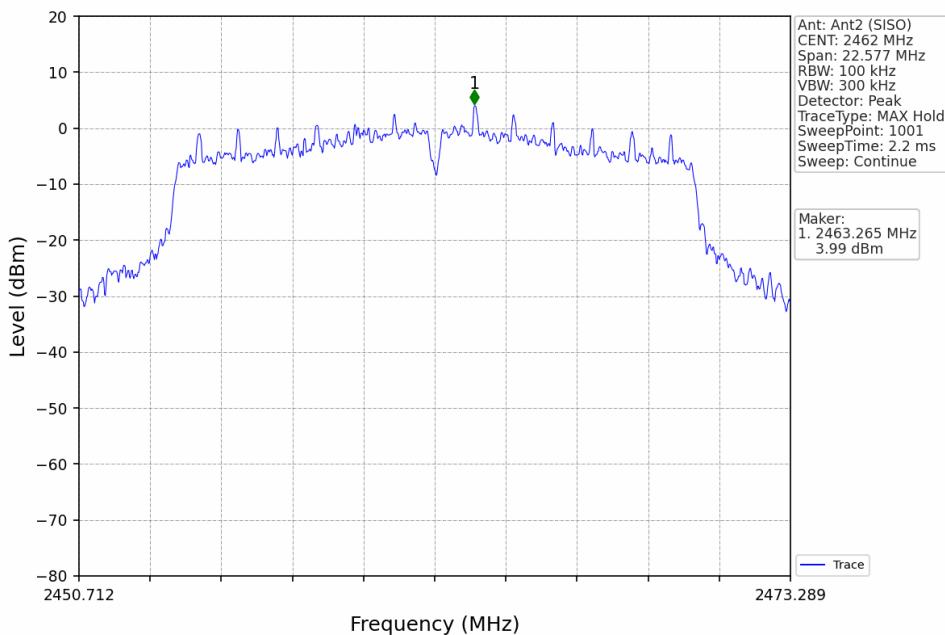
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV

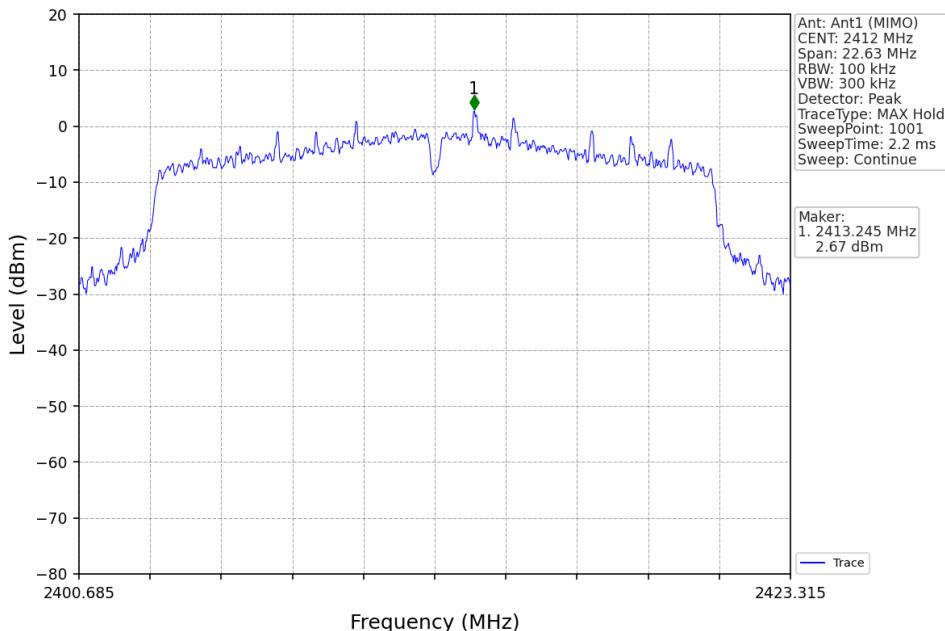
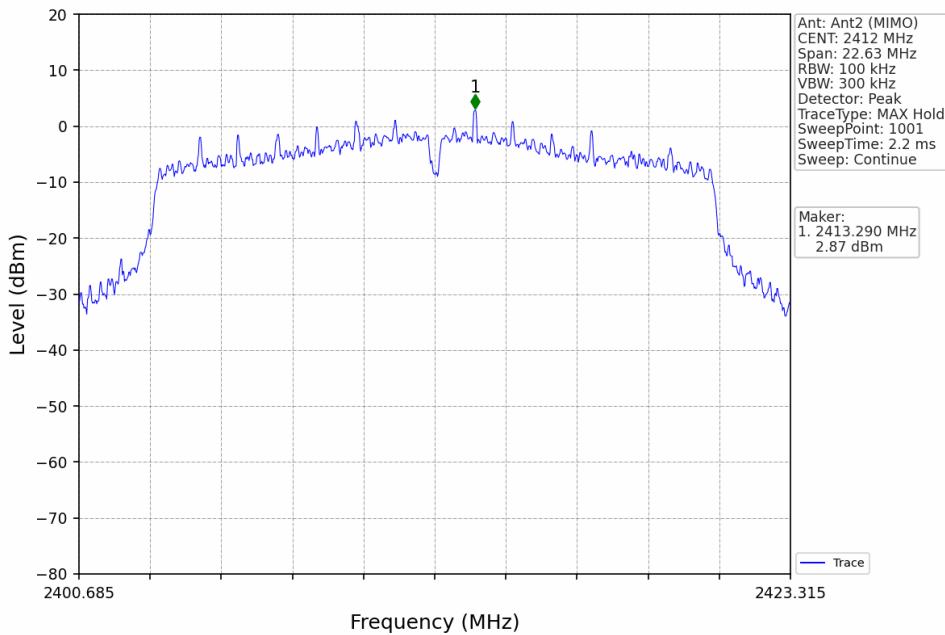


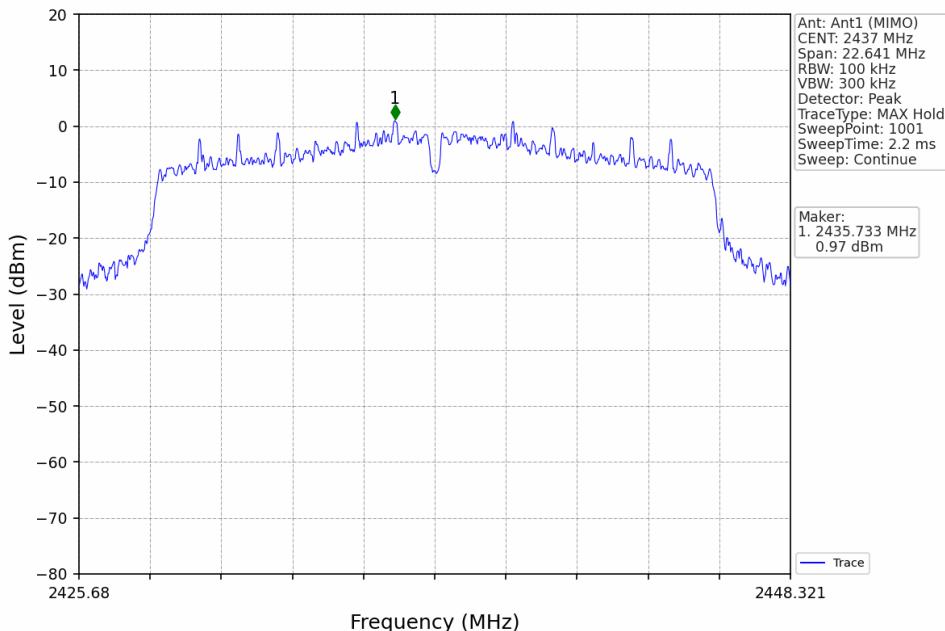
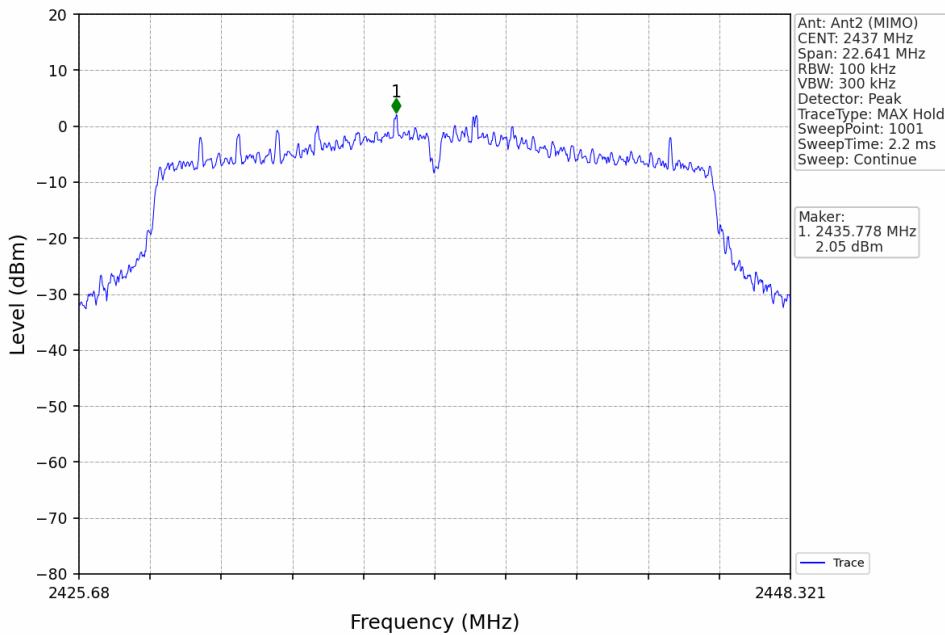
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802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



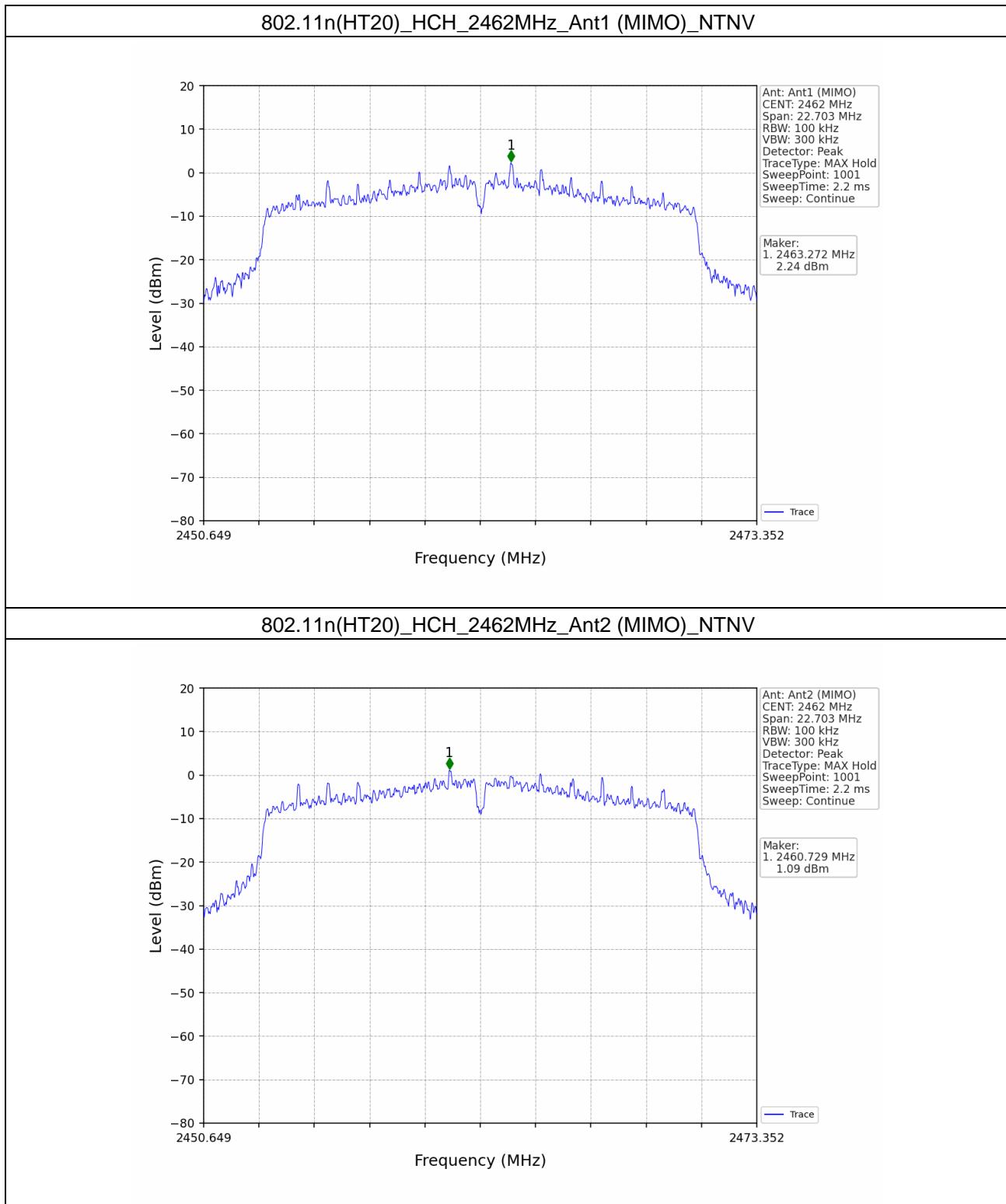
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV**802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV**

802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV**802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV**

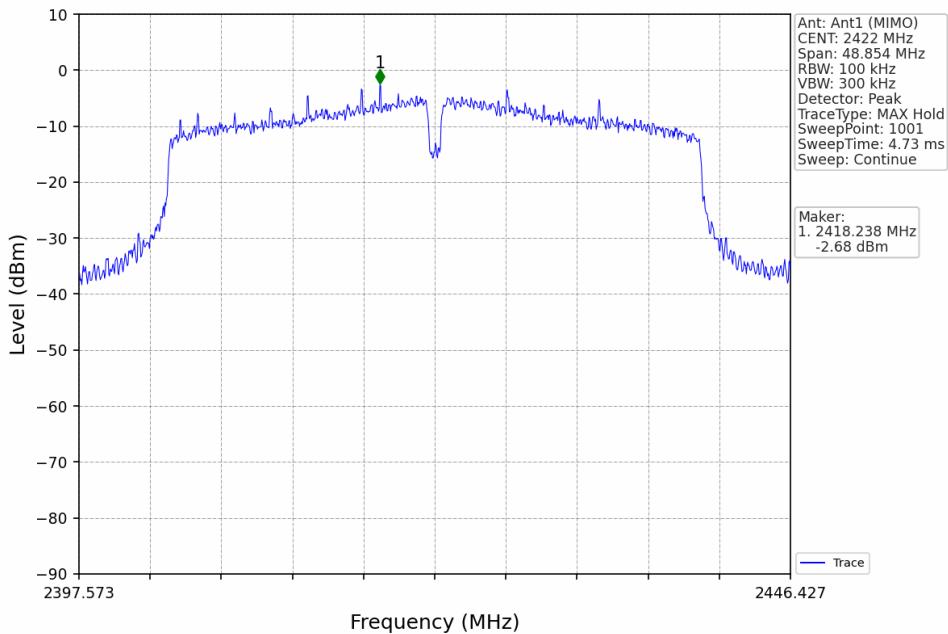
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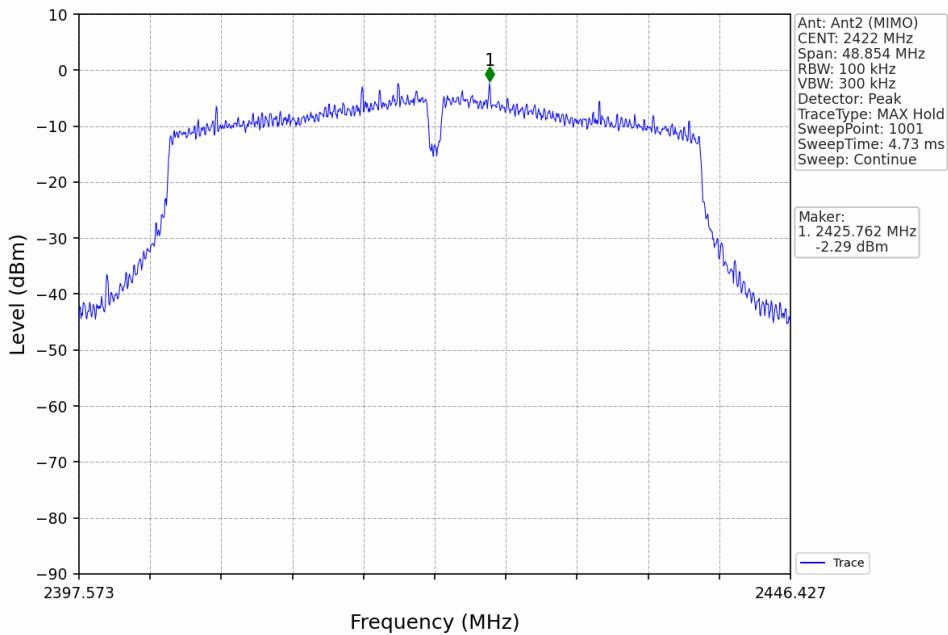
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802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



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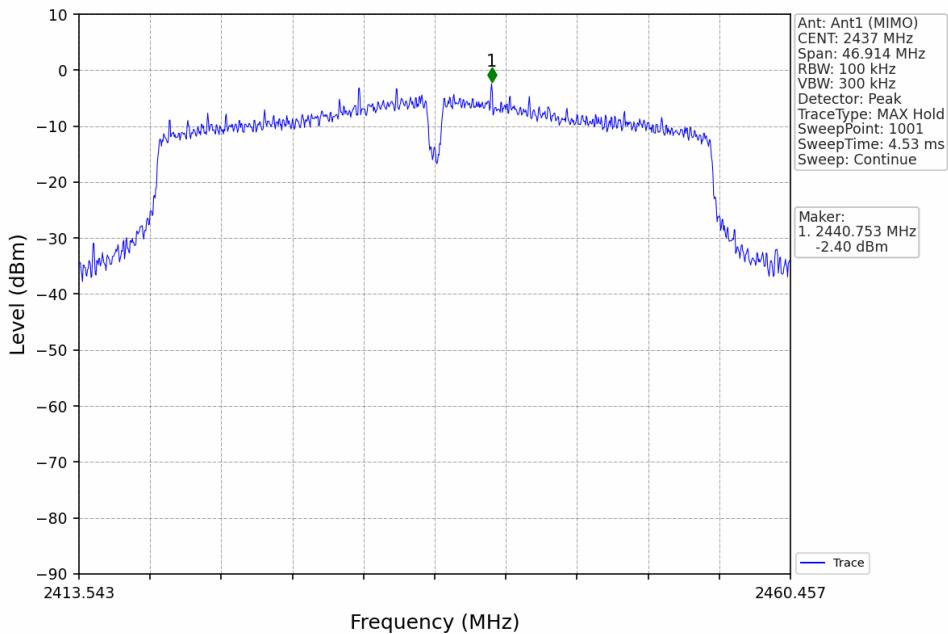
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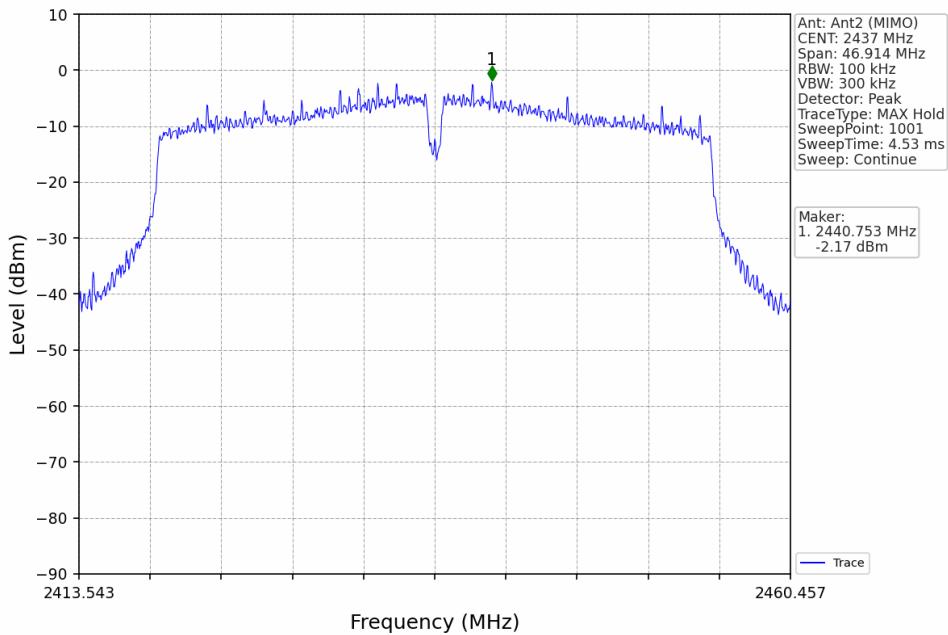
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802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



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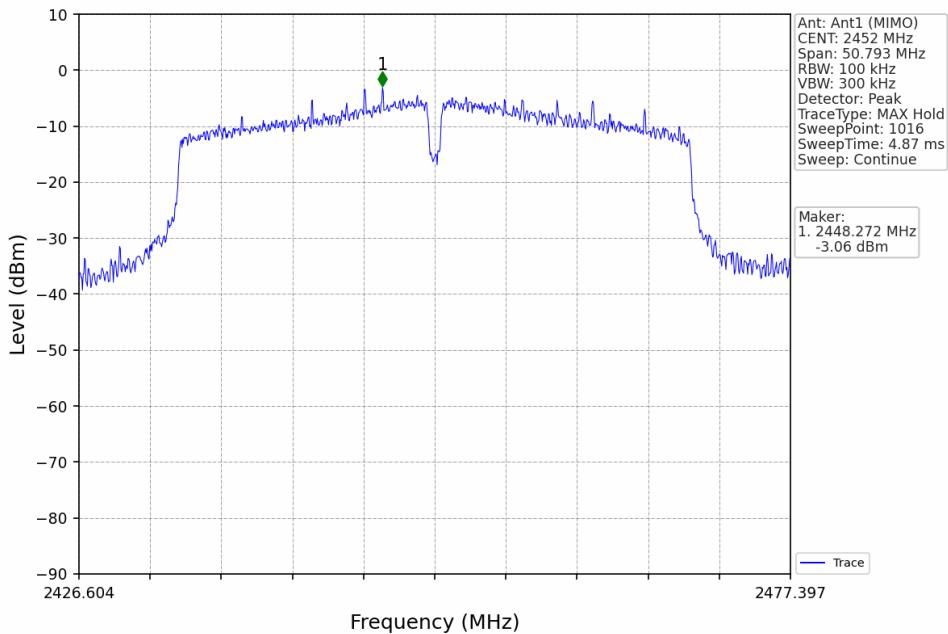
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802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV

