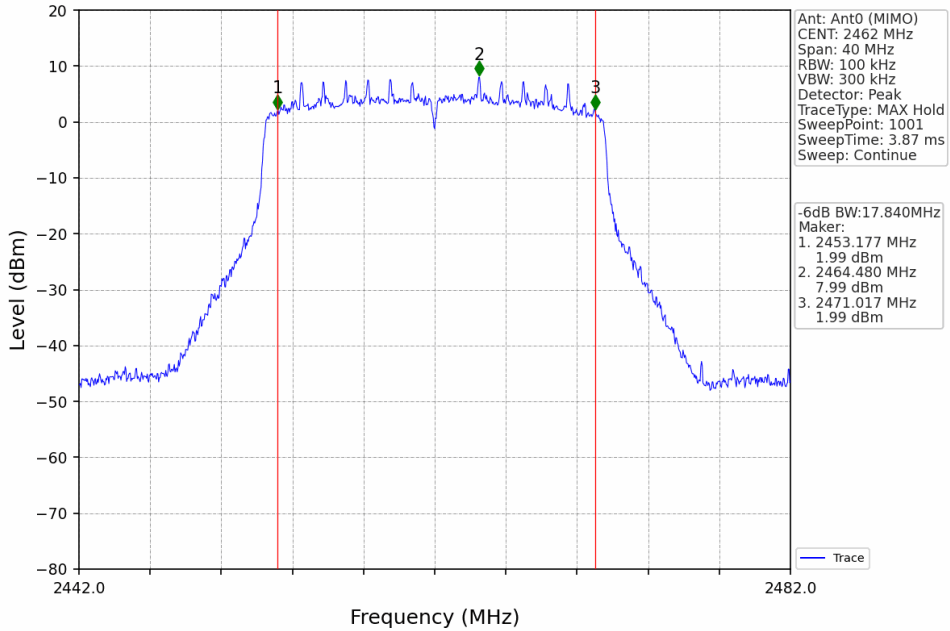
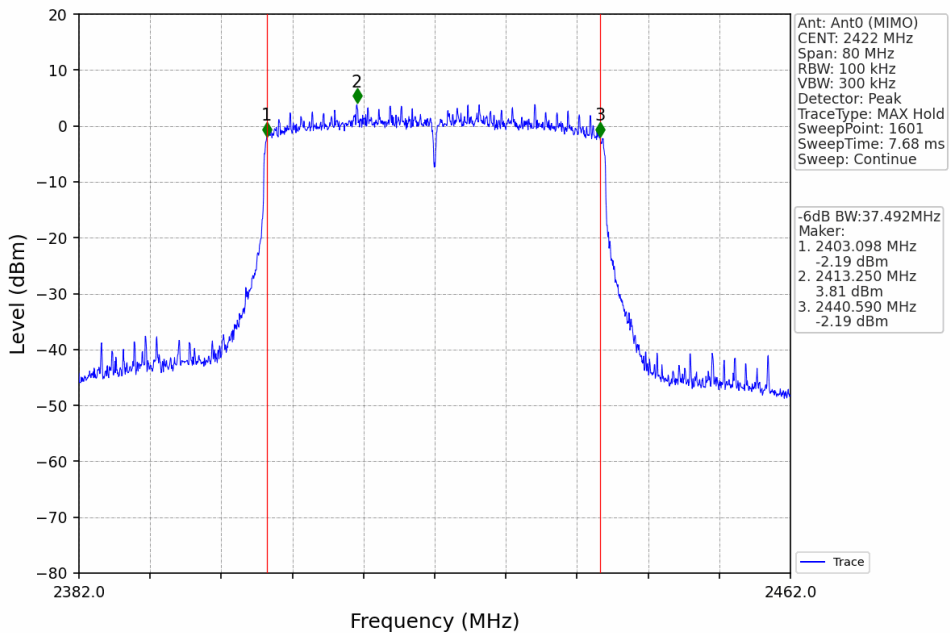


802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant0 (MIMO)_NTNV

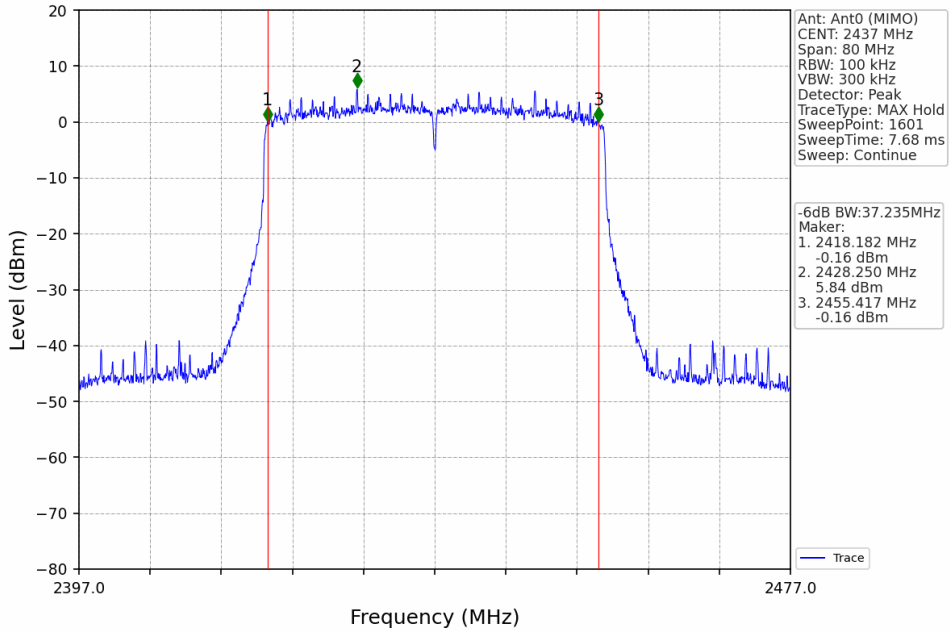


802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant0 (MIMO)_NTNV

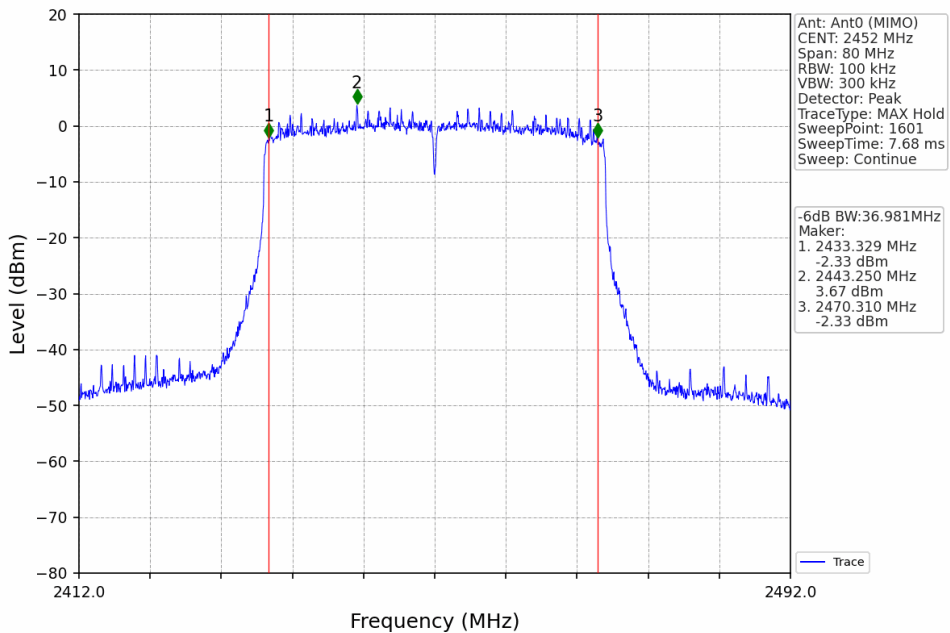


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802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant0 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant0 (MIMO)_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	/	/	20.80	20.00	/	<=30	Pass
		2437	/	/	21.24	21.12	/	<=30	Pass
		2462	/	/	20.52	20.65	/	<=30	Pass
802.11g	SISO	2412	/	/	18.81	18.46	/	<=30	Pass
		2437	/	/	19.17	18.69	/	<=30	Pass
		2462	/	/	19.42	19.04	/	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	18.44	18.20	21.33	<=30	Pass
		2437	/	/	18.84	18.25	21.57	<=30	Pass
		2462	/	/	17.83	17.62	20.74	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	17.72	17.82	20.78	<=30	Pass
		2437	/	/	19.35	18.83	22.11	<=30	Pass
		2452	/	/	17.27	16.98	20.14	<=30	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	18.54	18.28	21.42	<=30	Pass
		2437	RU242	Left	18.83	18.74	21.80	<=30	Pass
		2462	RU242	Left	17.95	18.21	21.09	<=30	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	17.49	17.50	20.51	<=30	Pass
		2437	RU484	Left	19.03	18.83	21.94	<=30	Pass
		2452	RU484	Left	16.95	17.00	19.99	<=30	Pass

Note1: Antenna Gain: ANT0&ANT1: 2.5dBi

Note2: Directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)=2.5dBi

Array Gain = 0 dB for $N_{ANT} \leq 4$



4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

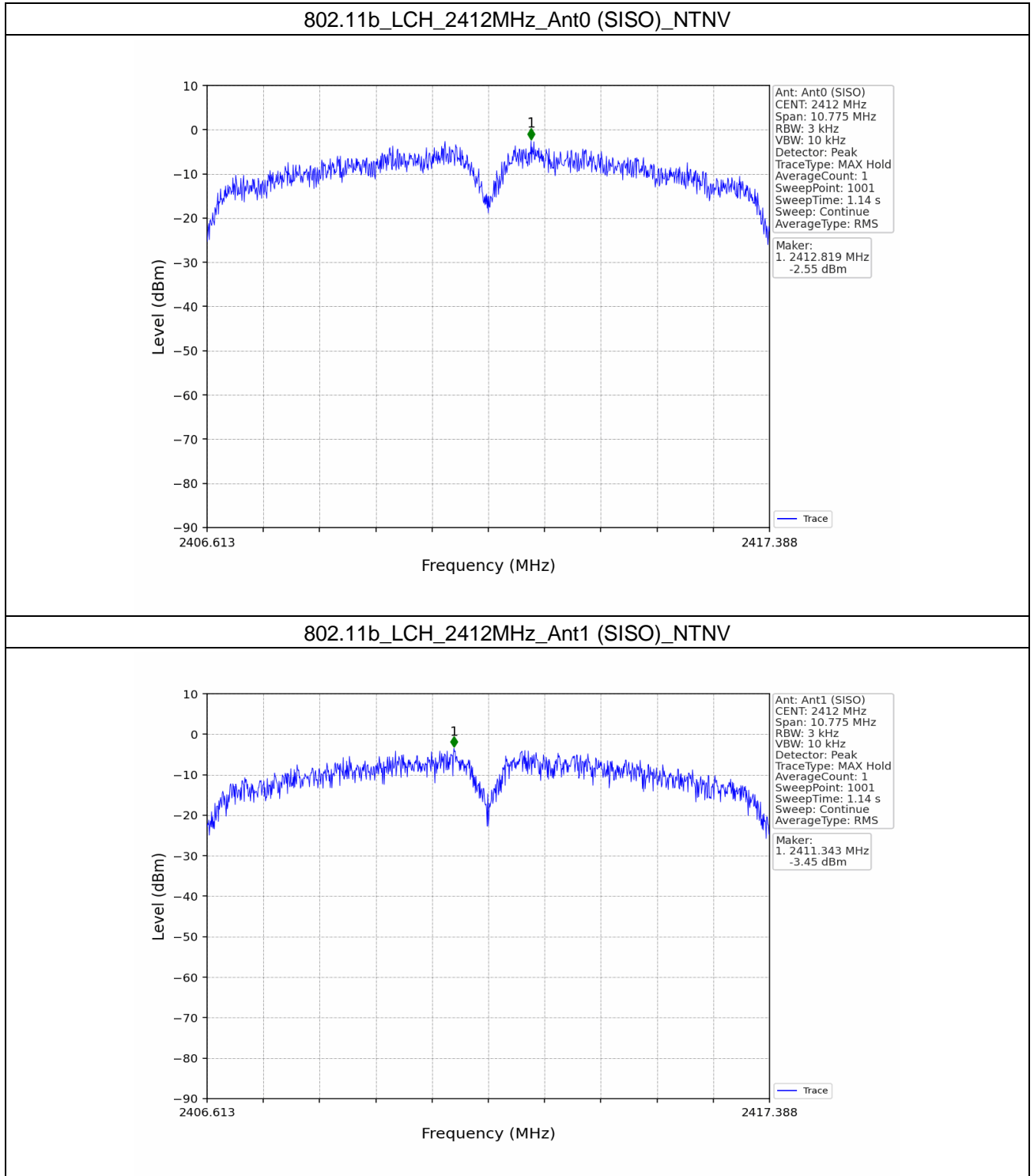
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	/	/	-2.55	-3.45	/	<=8	Pass
		2437	/	/	-2.59	-2.89	/	<=8	Pass
		2462	/	/	-2.61	-2.14	/	<=8	Pass
802.11g	SISO	2412	/	/	-7.96	-7.51	/	<=8	Pass
		2437	/	/	-7.77	-7.12	/	<=8	Pass
		2462	/	/	-6.26	-6.76	/	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-7.33	-6.36	-4.83	<=8	Pass
		2437	/	/	-5.84	-7.00	-4.35	<=8	Pass
		2462	/	/	-7.61	-6.79	-4.81	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-10.53	-10.37	-8.34	<=8	Pass
		2437	/	/	-9.19	-9.39	-6.73	<=8	Pass
		2452	/	/	-10.94	-10.82	-7.91	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	-6.48	-7.97	-5.28	<=8	Pass
		2437	RU242	Left	-7.54	-7.52	-5.66	<=8	Pass
		2462	RU242	Left	-8.95	-8.17	-6.92	<=8	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	-11.88	-11.43	-9.08	<=8	Pass
		2437	RU484	Left	-9.79	-10.54	-7.80	<=8	Pass
		2452	RU484	Left	-11.34	-11.47	-9.96	<=8	Pass



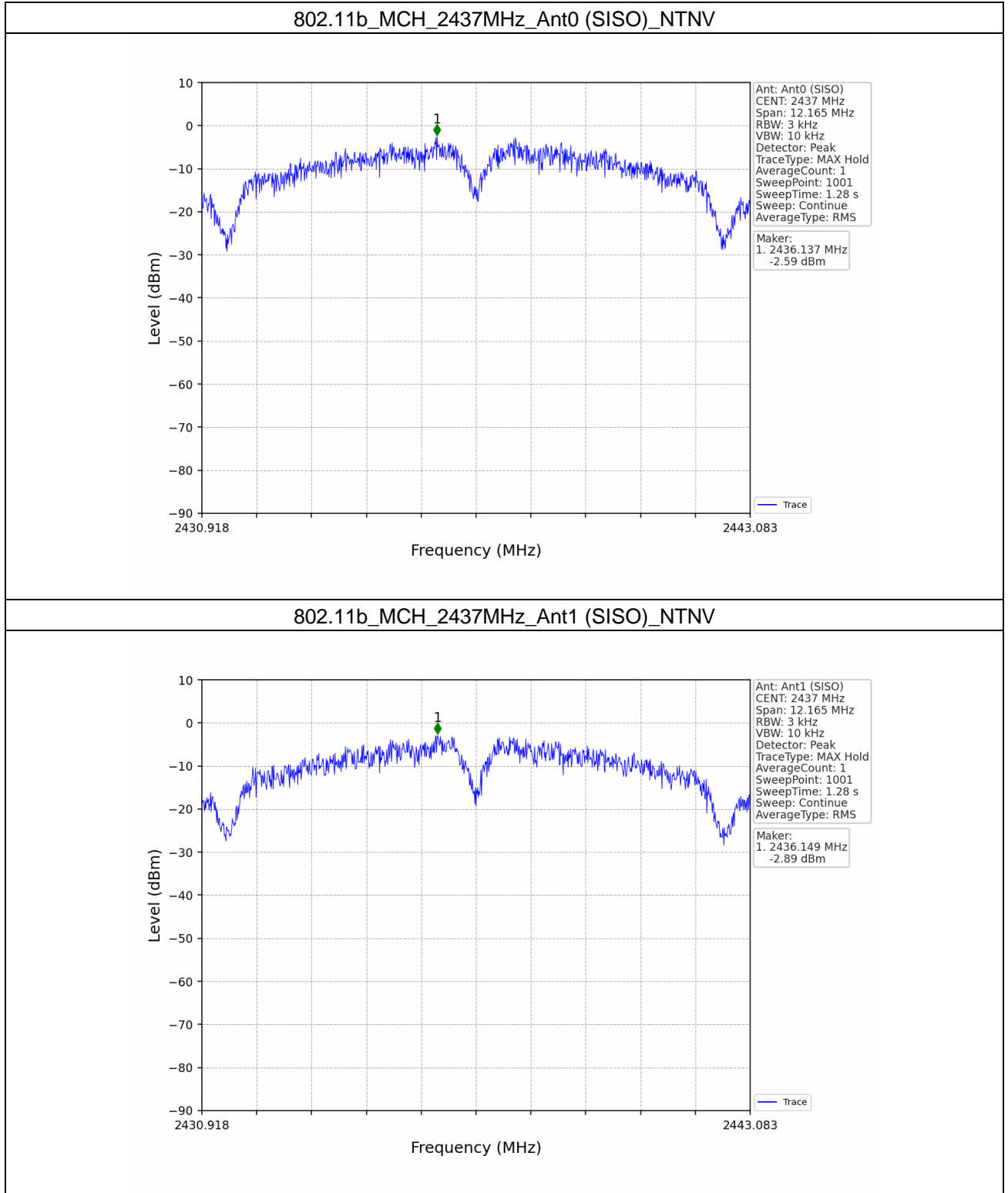
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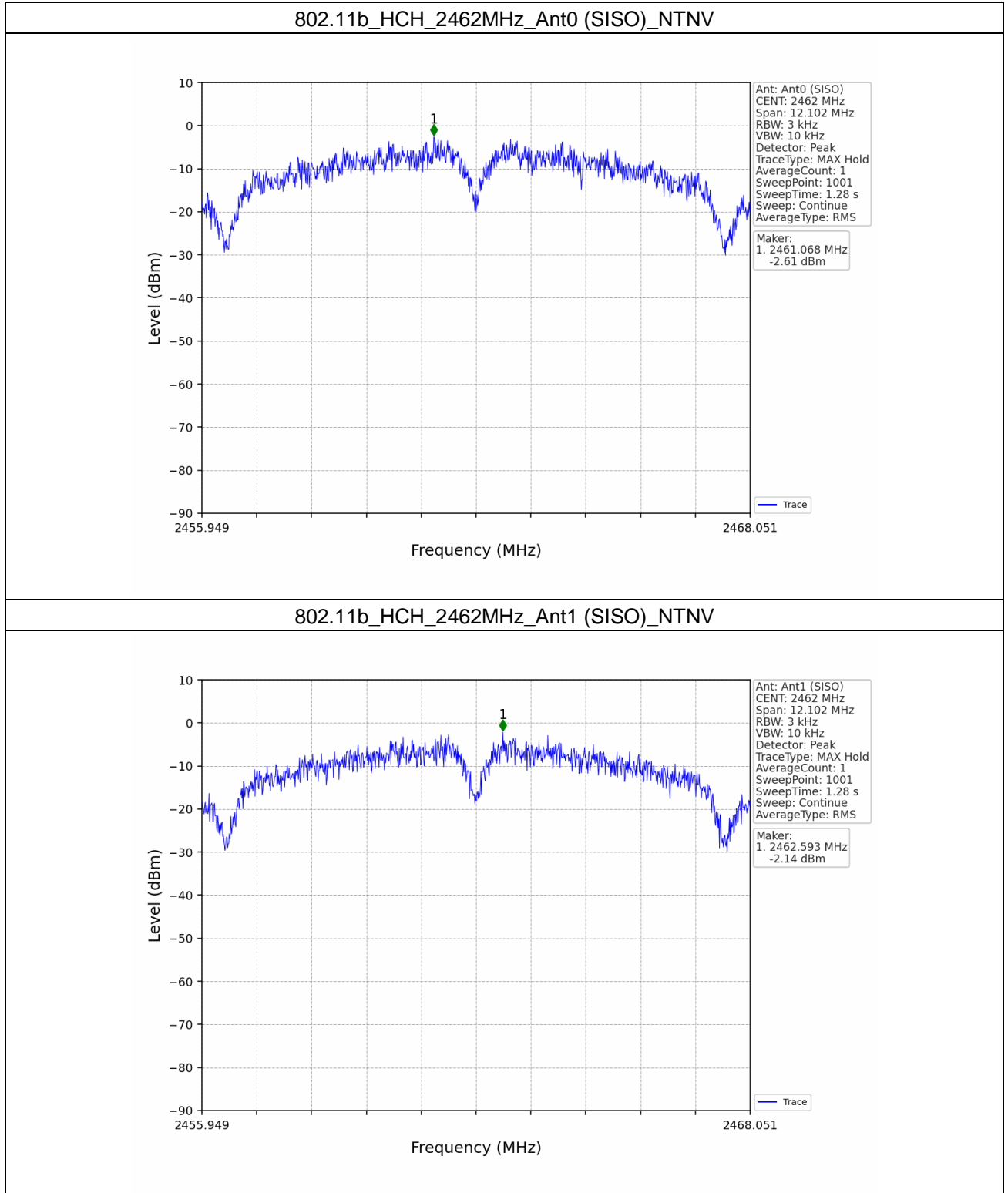
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

4.1.2 Test Graph

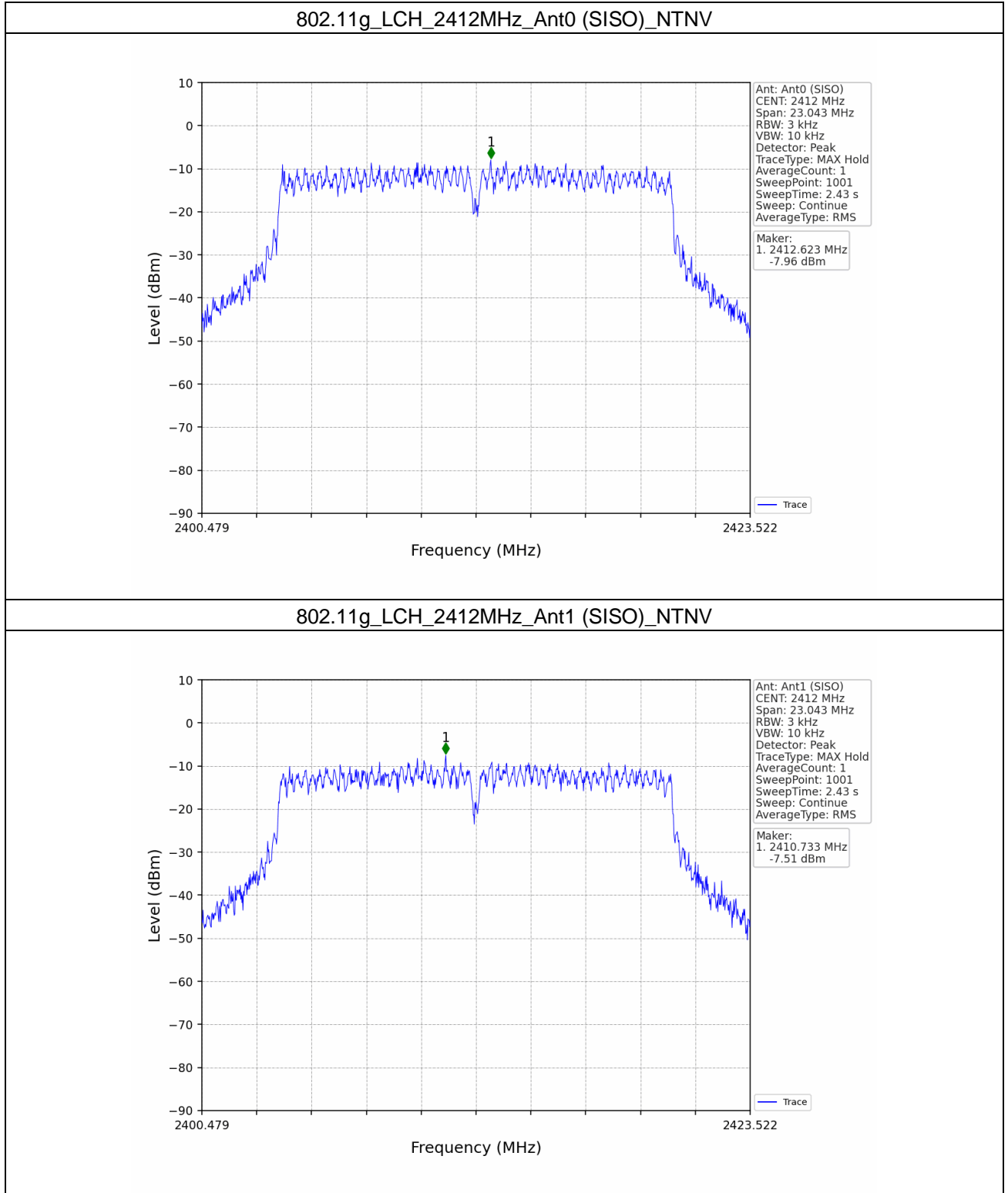


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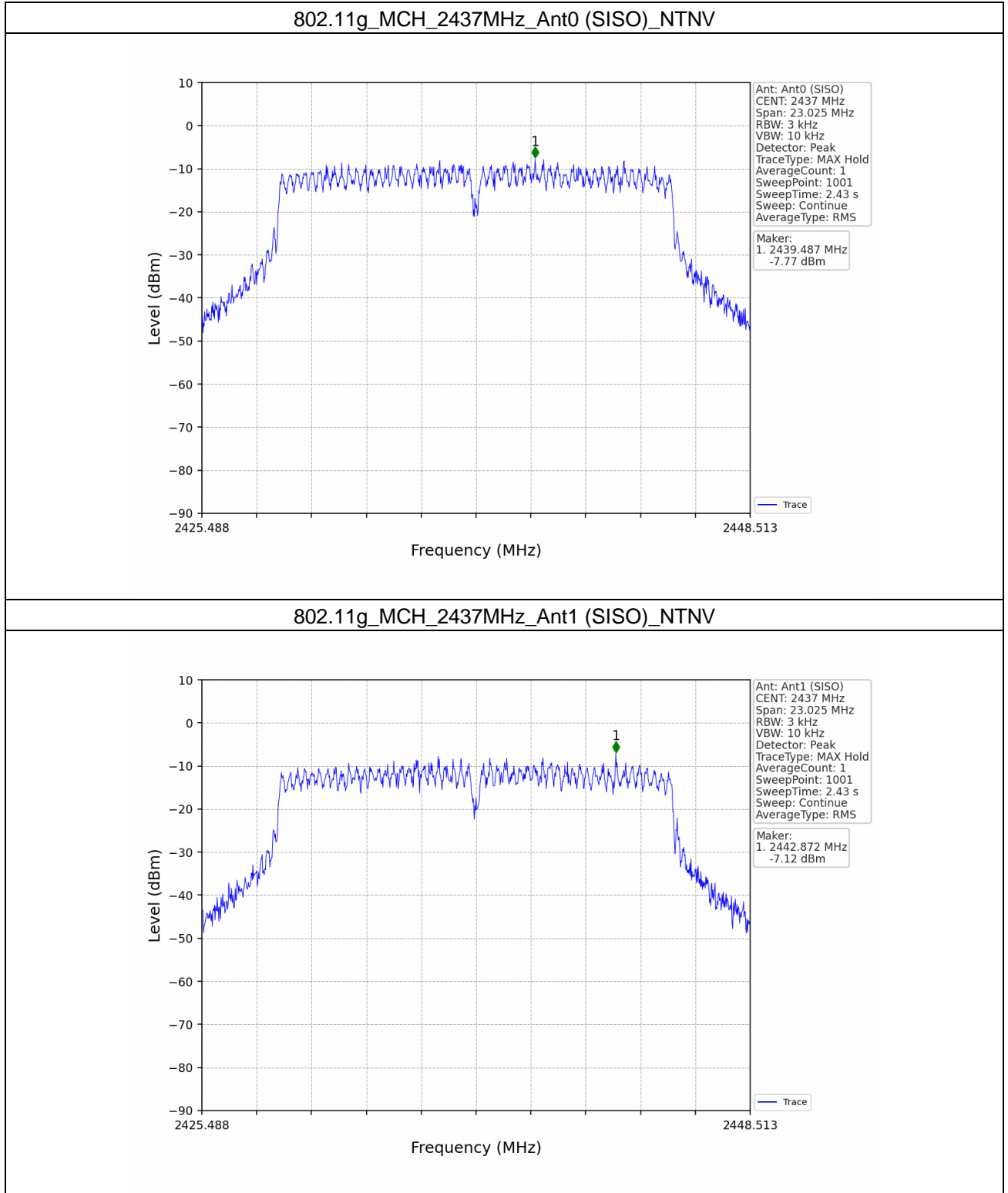




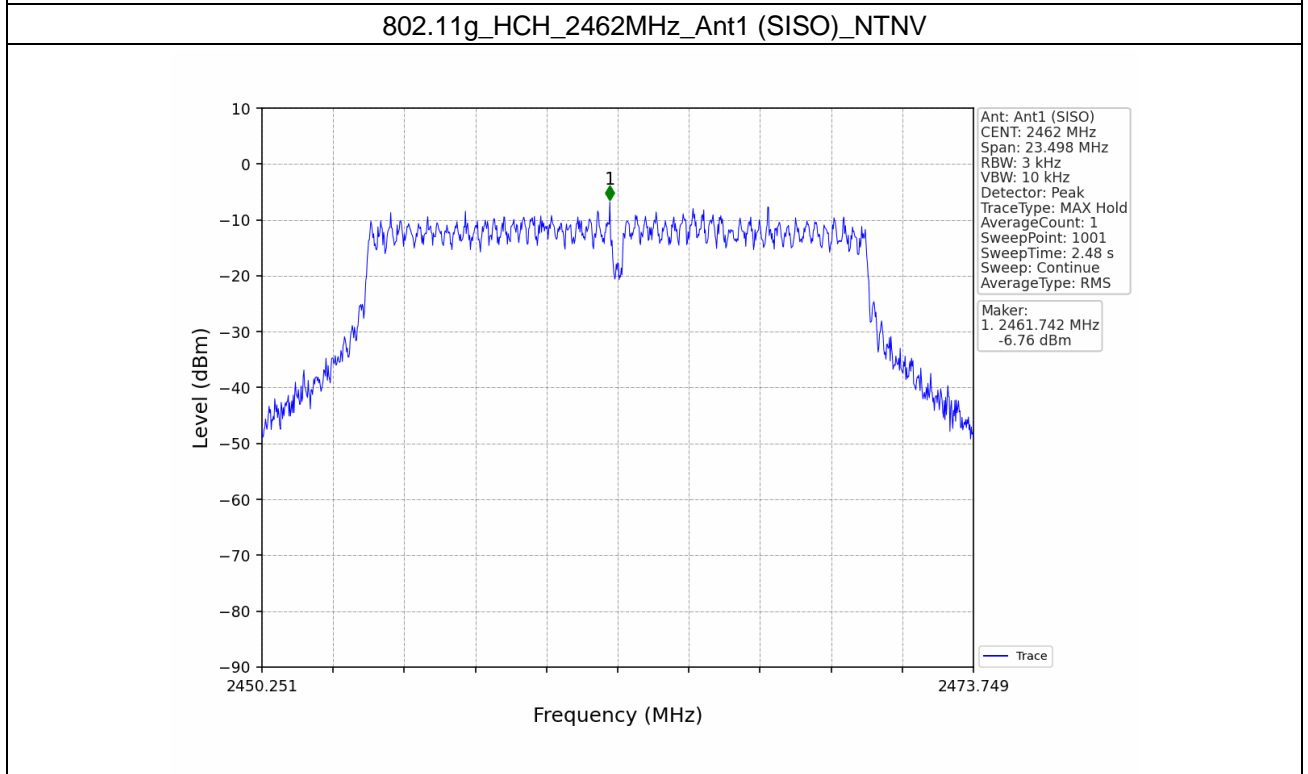
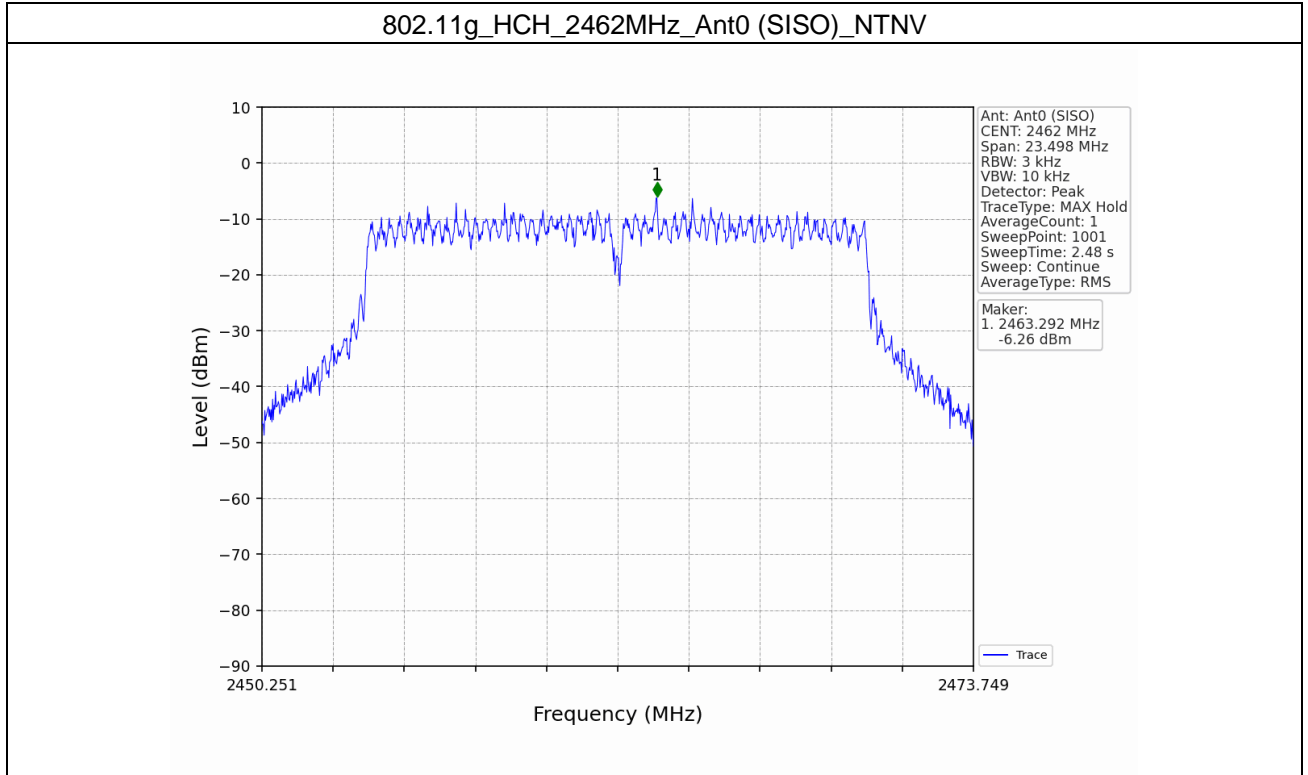
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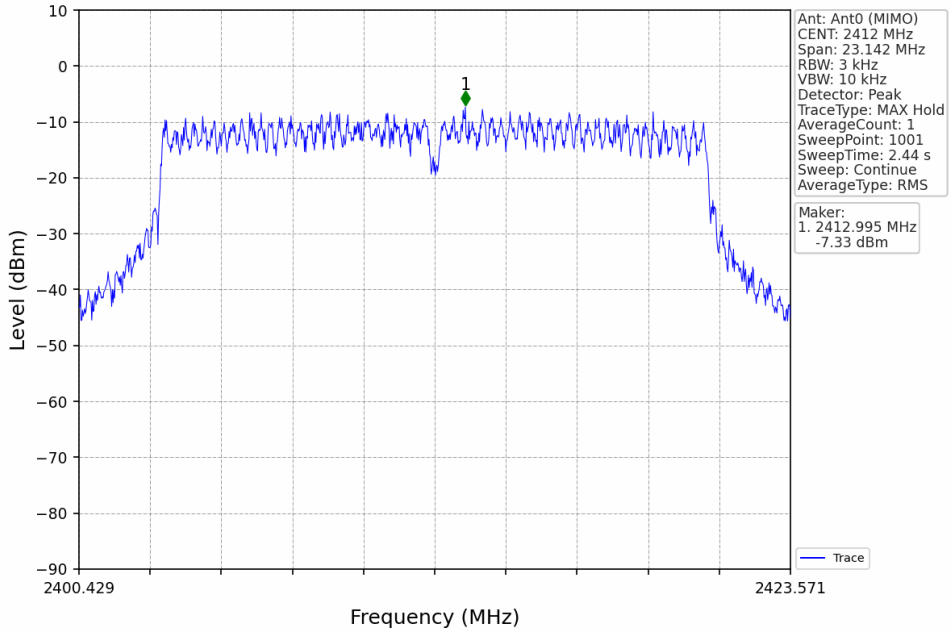


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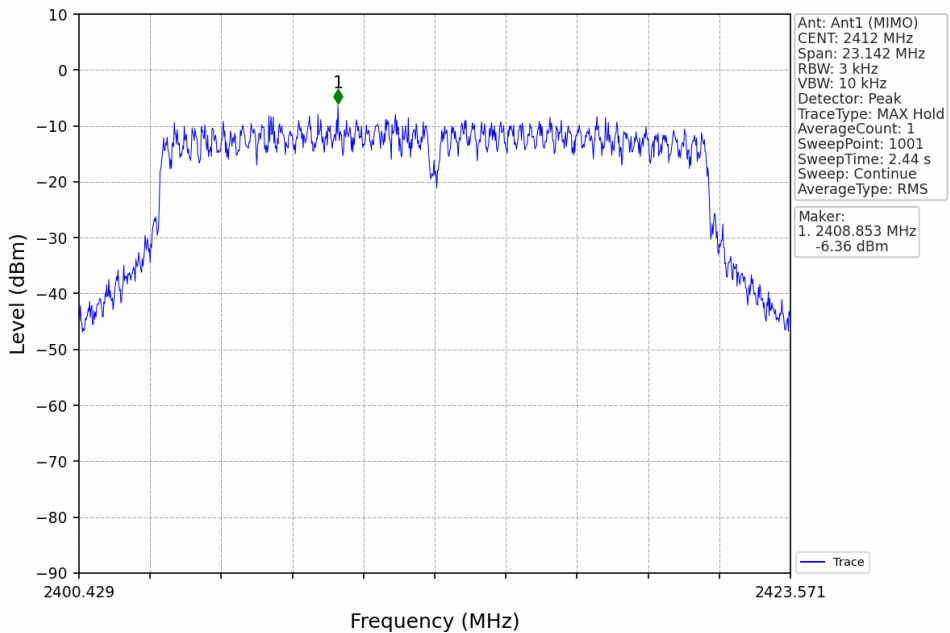


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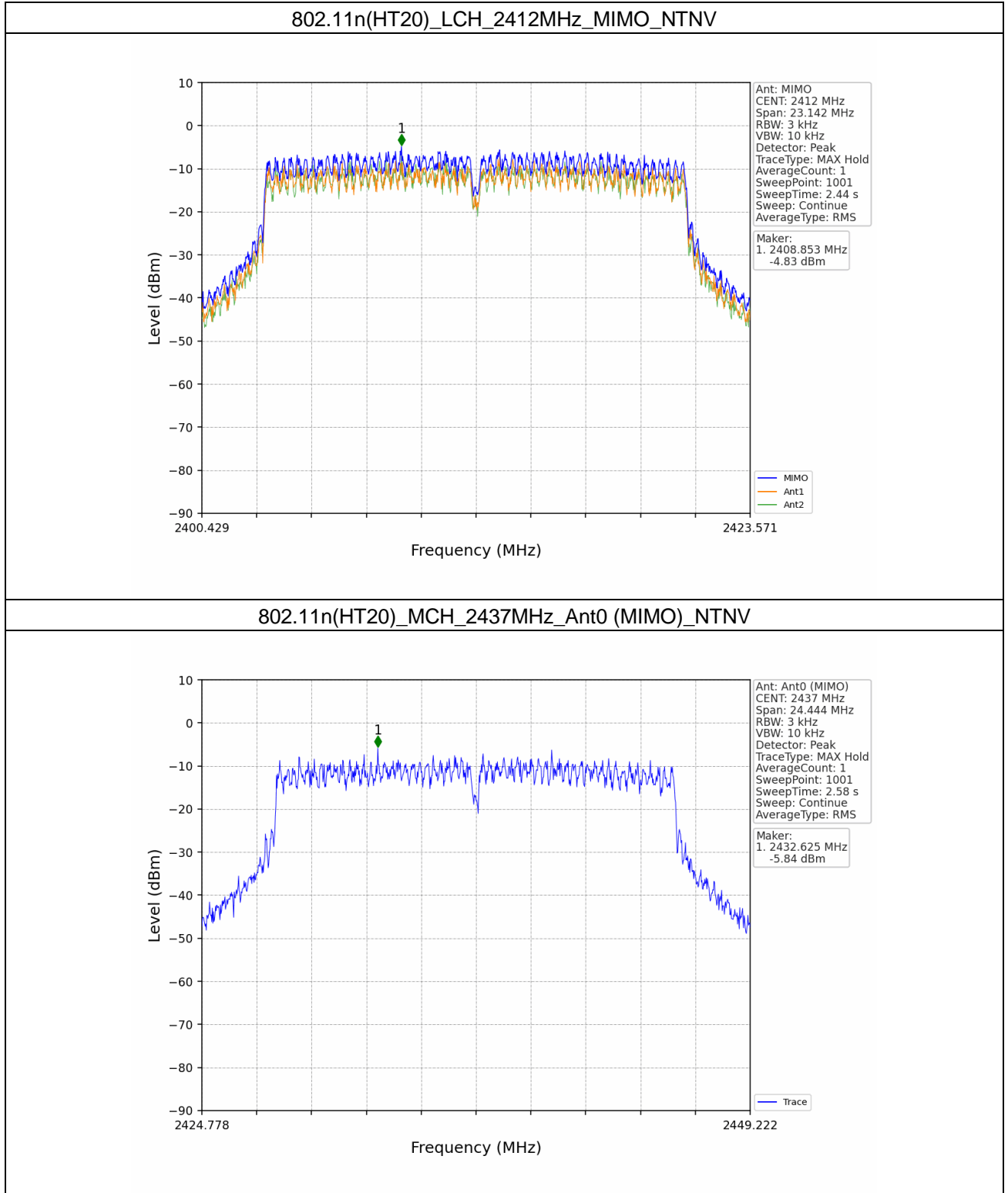
802.11n(HT20)_LCH_2412MHz_Ant0 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV

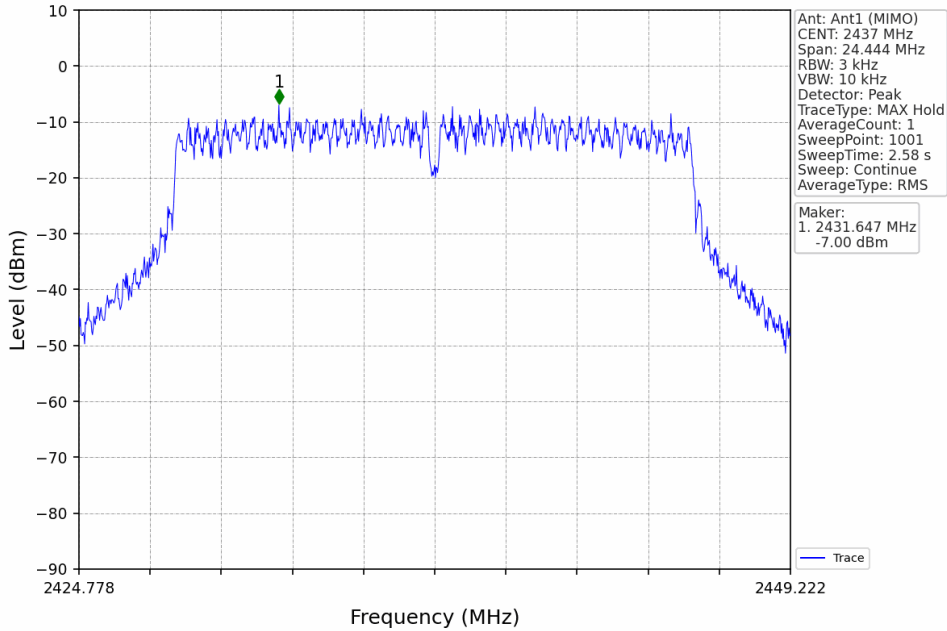


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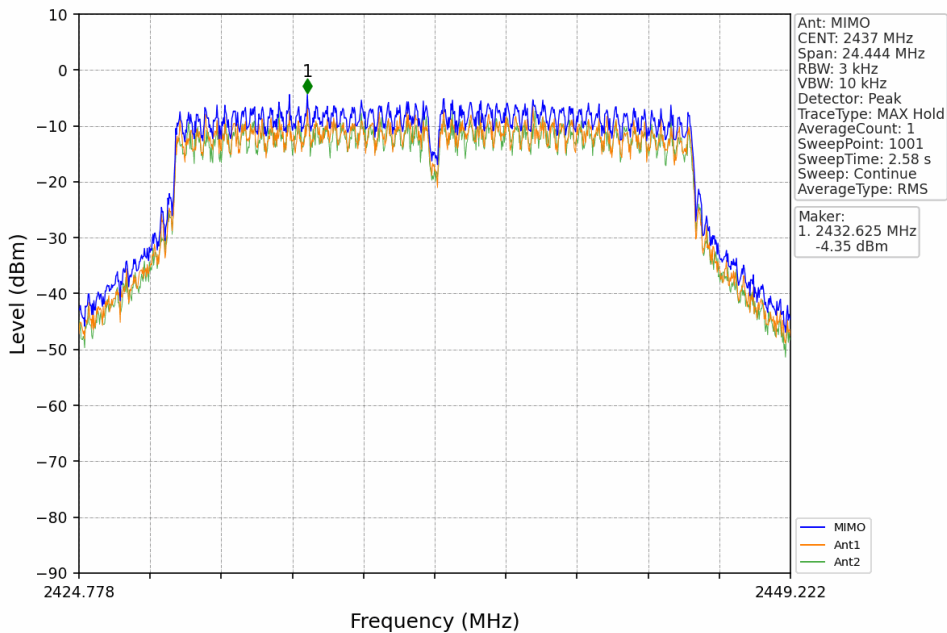


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802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV

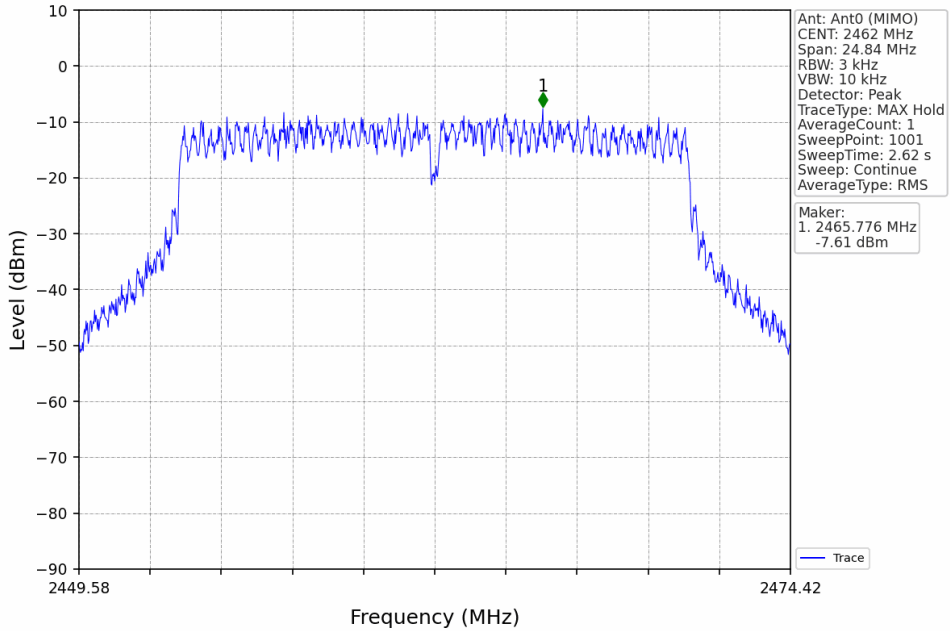


802.11n(HT20)_MCH_2437MHz_MIMO_NTNV

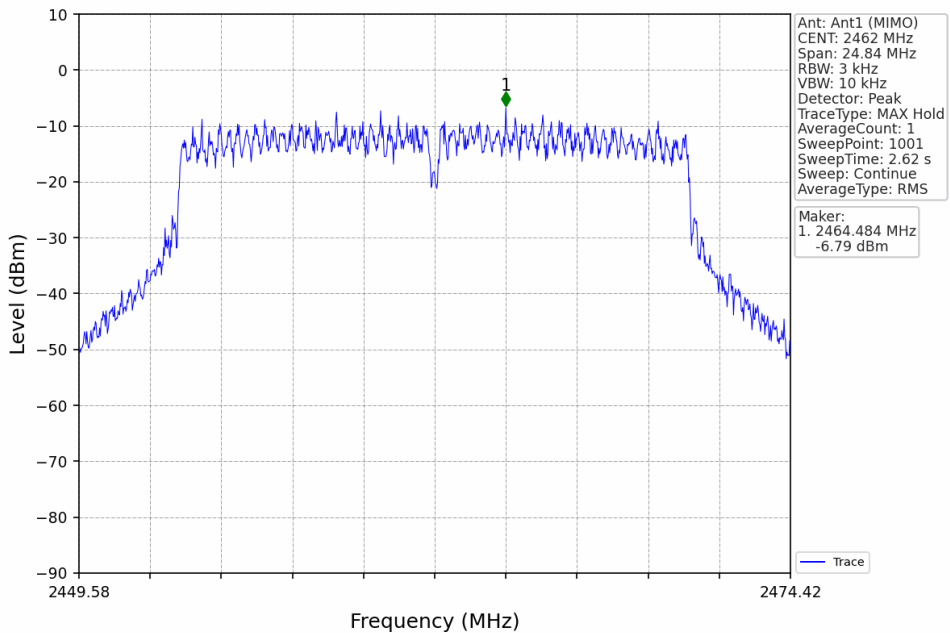


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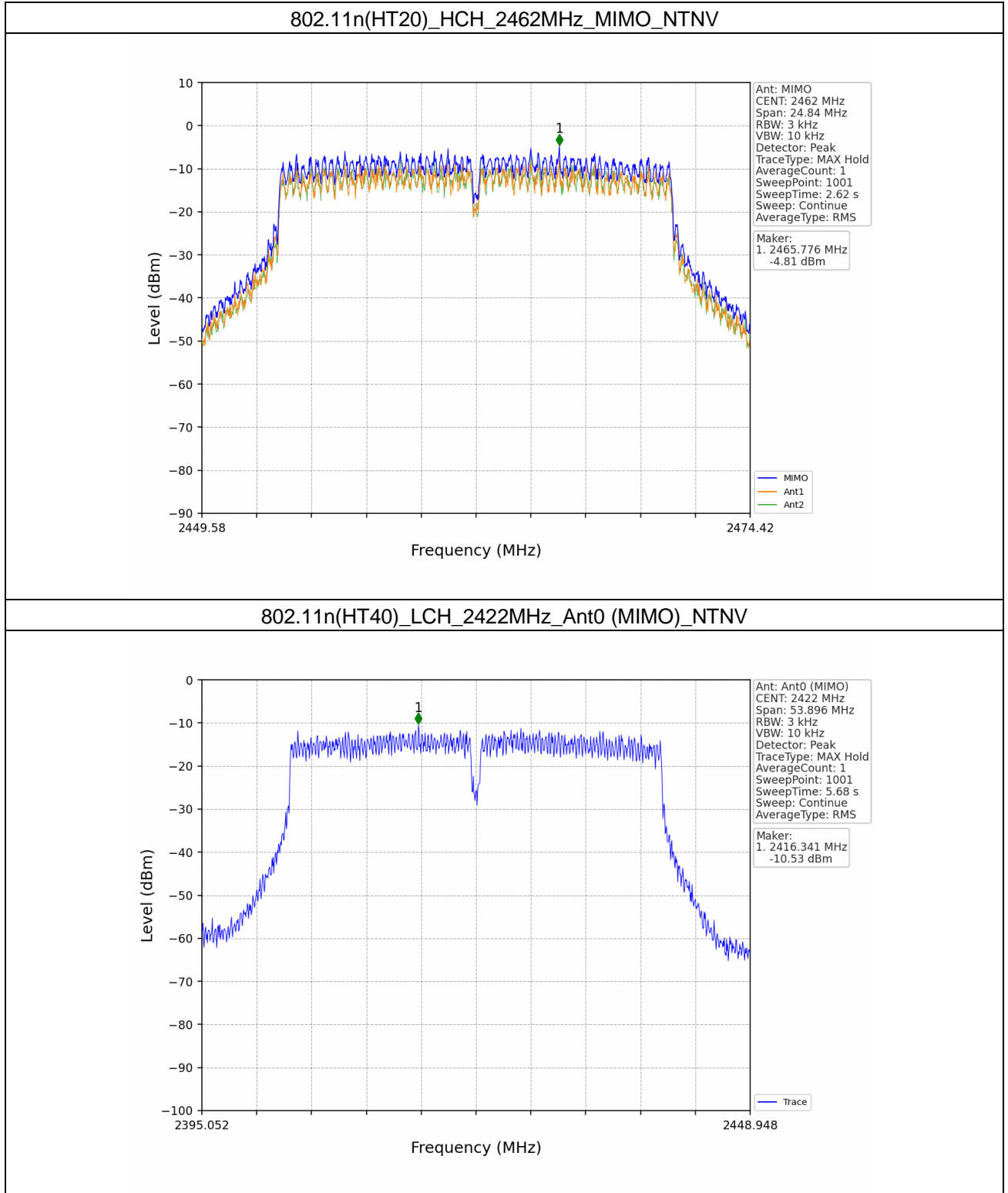
802.11n(HT20)_HCH_2462MHz_Ant0 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV

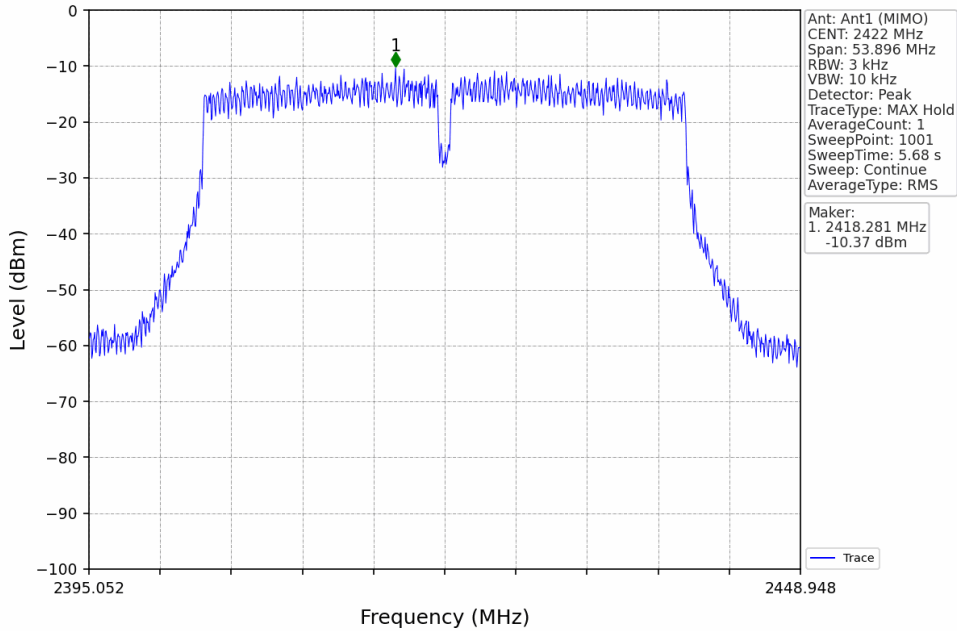


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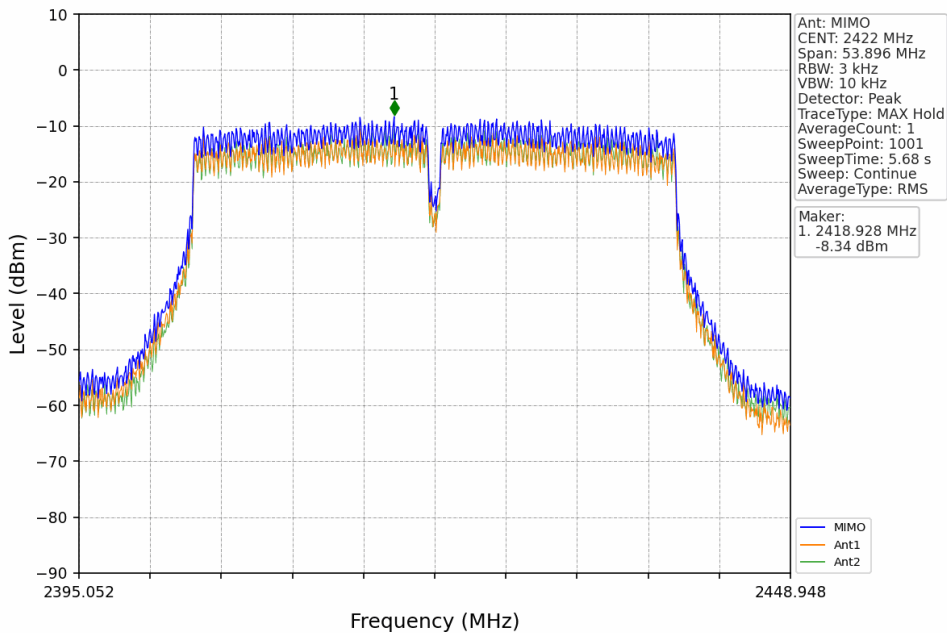


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802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV

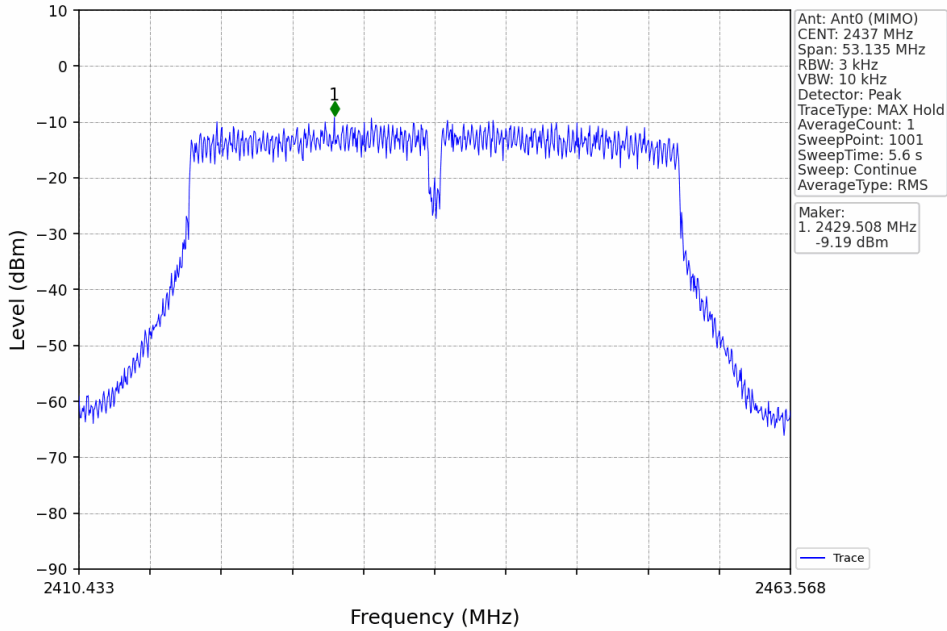


802.11n(HT40)_LCH_2422MHz_MIMO_NTNV

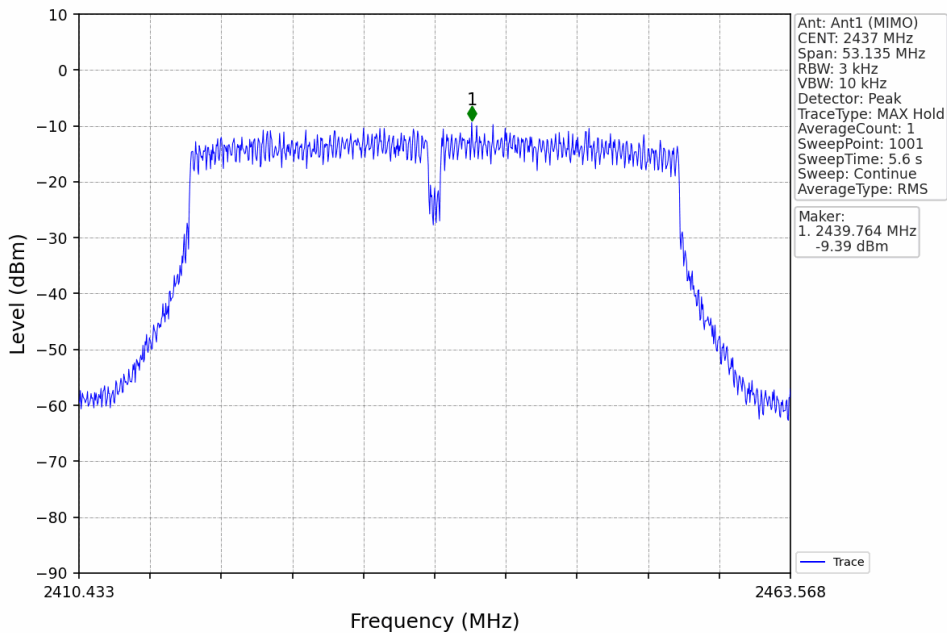


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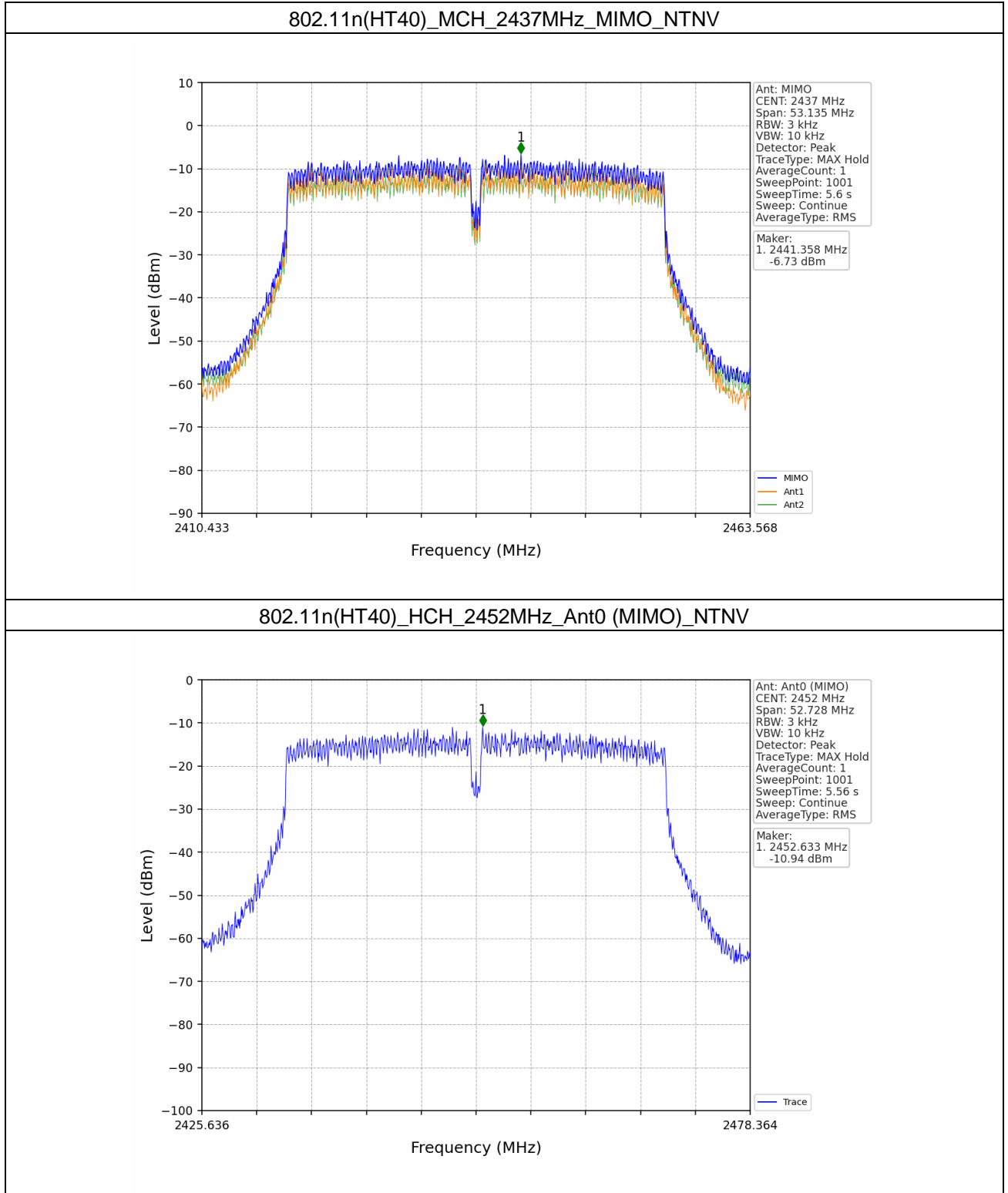
802.11n(HT40)_MCH_2437MHz_Ant0 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV

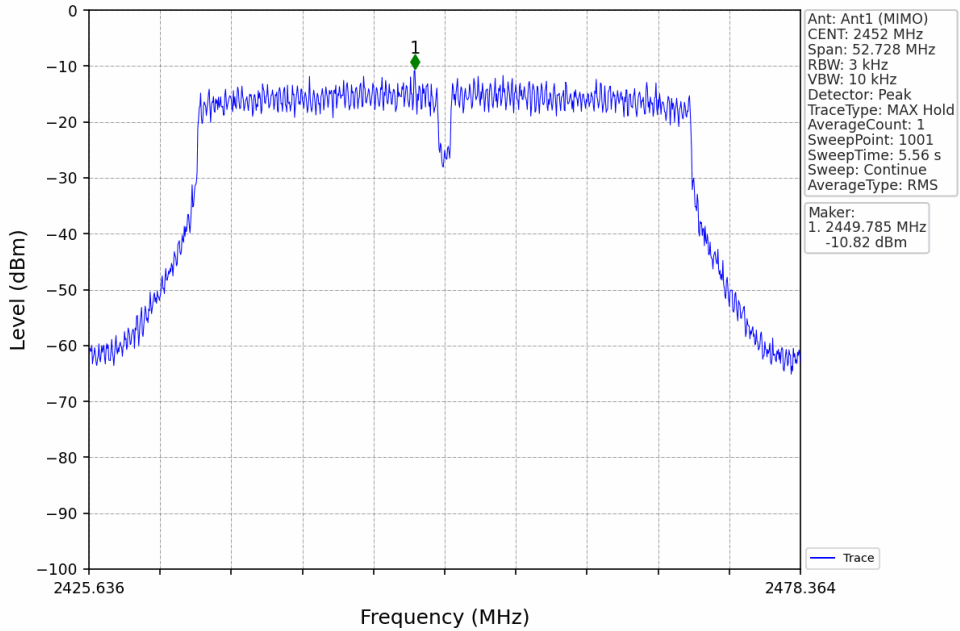


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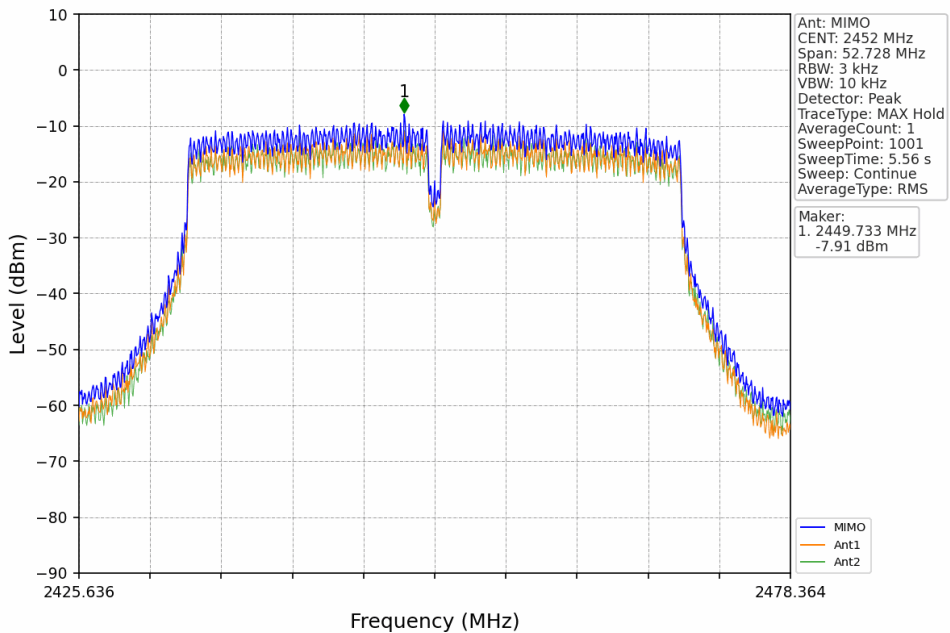


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802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV

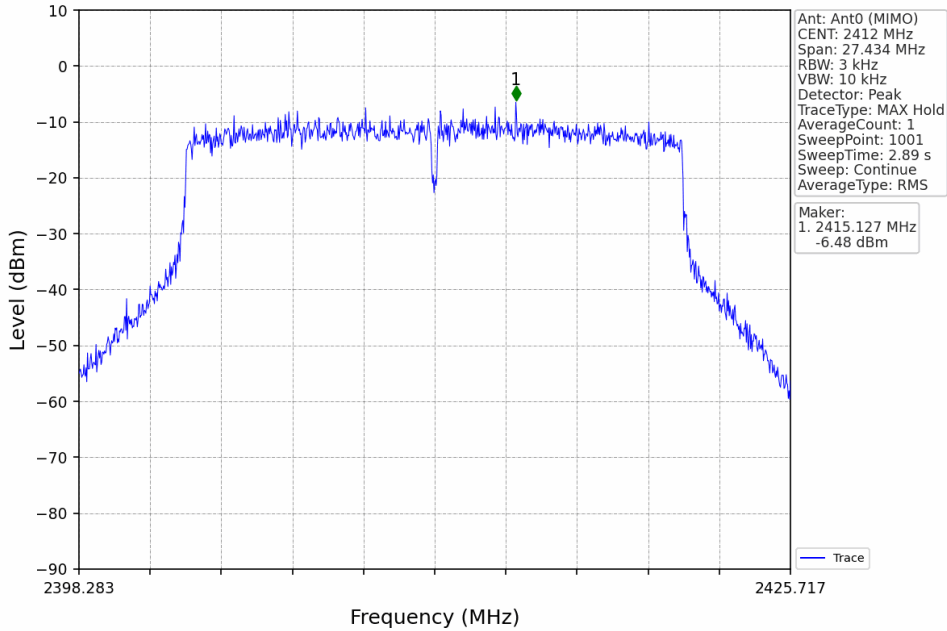


802.11n(HT40)_HCH_2452MHz_MIMO_NTNV

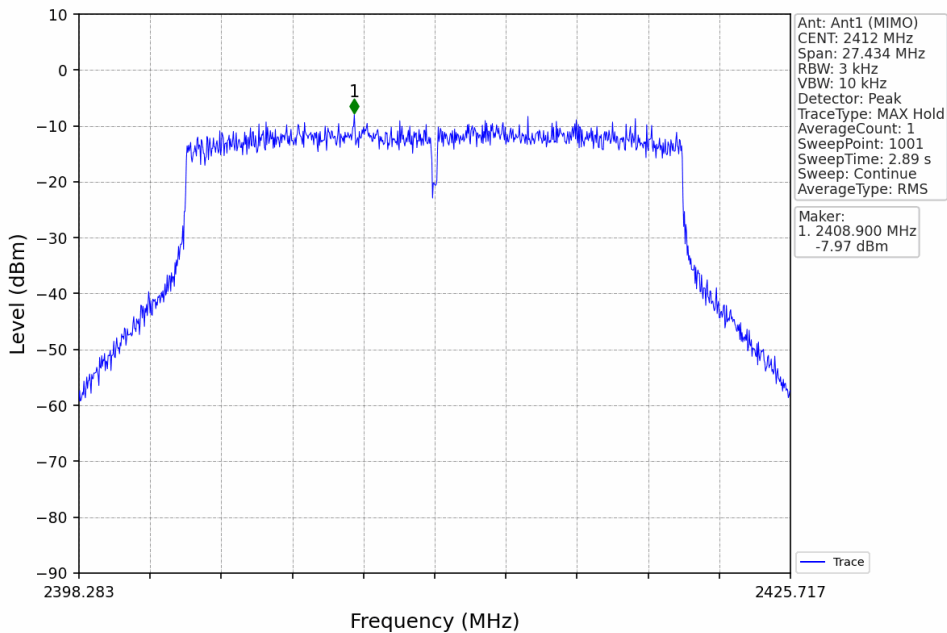


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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant0 (MIMO)_NTNV

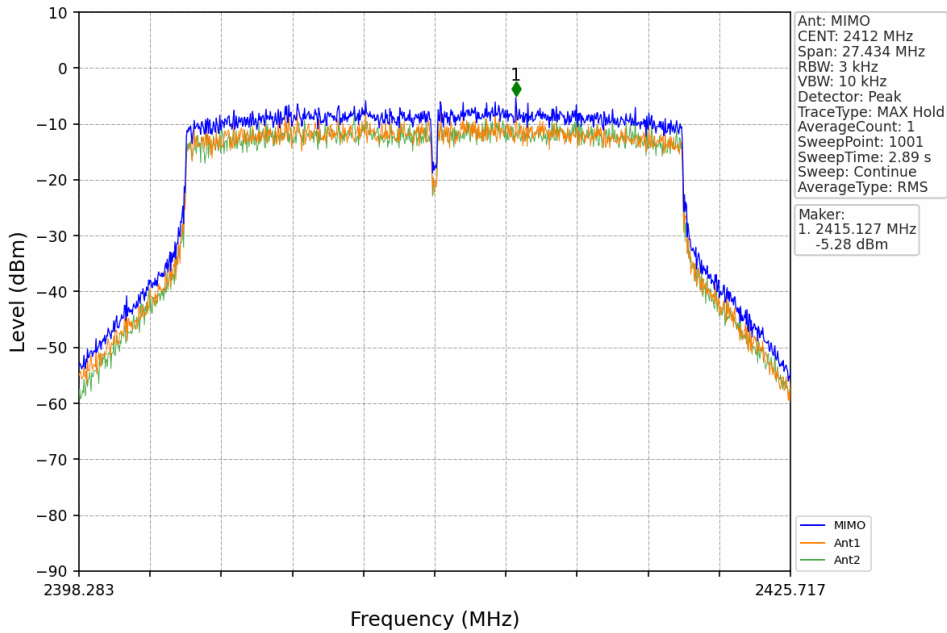


802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV

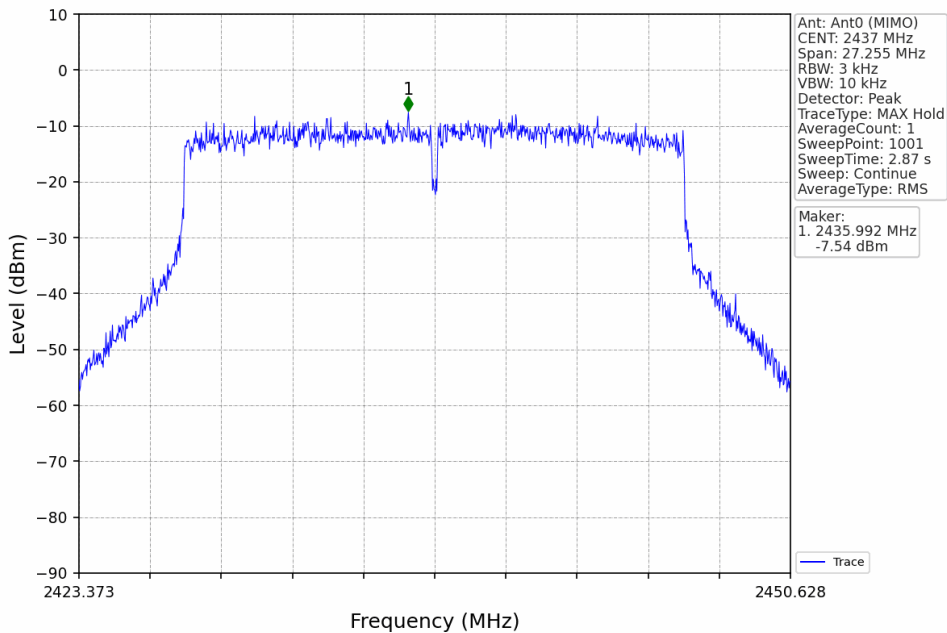


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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_MIMO_NTNV

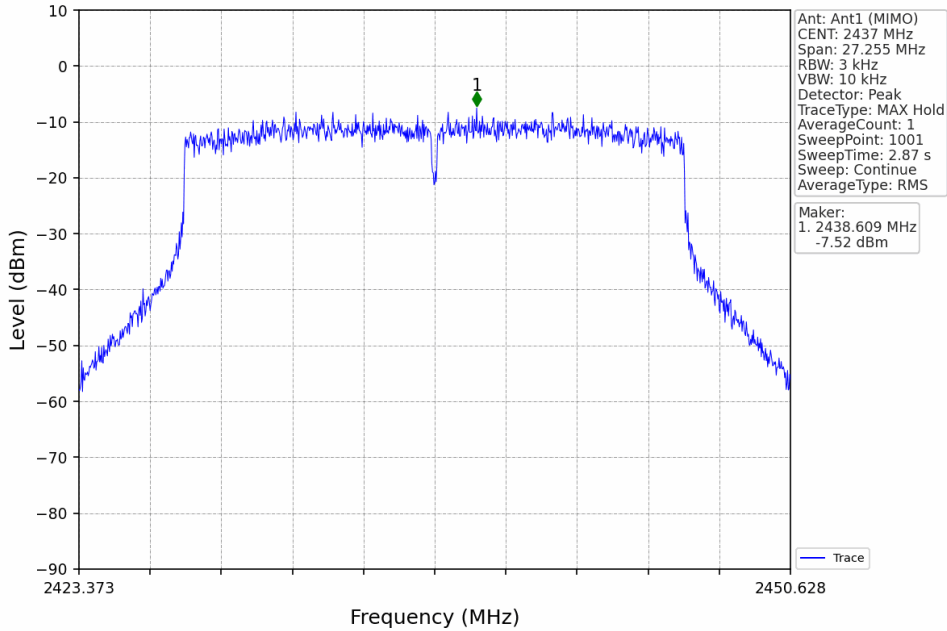


802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant0 (MIMO)_NTNV

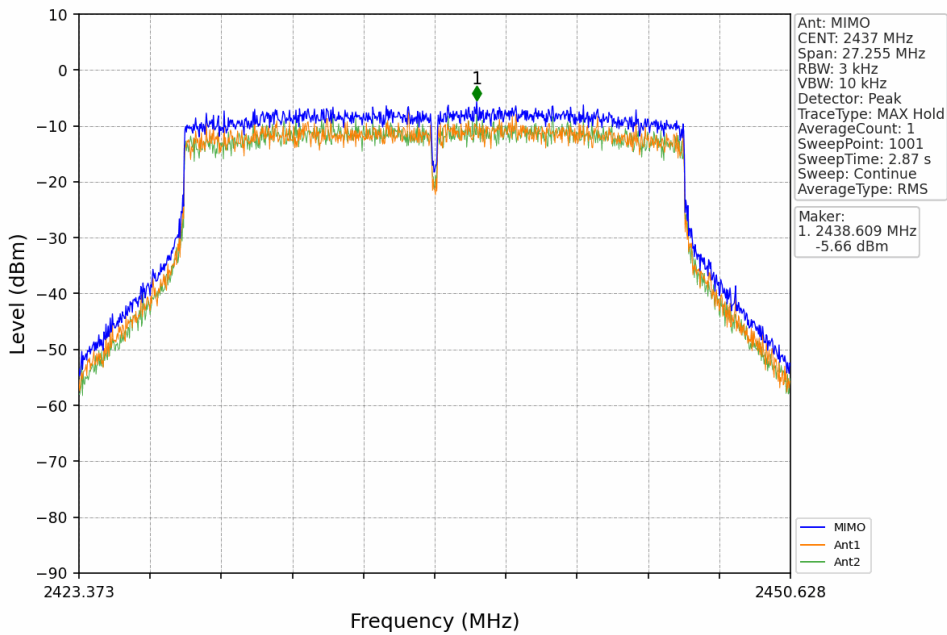


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802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV

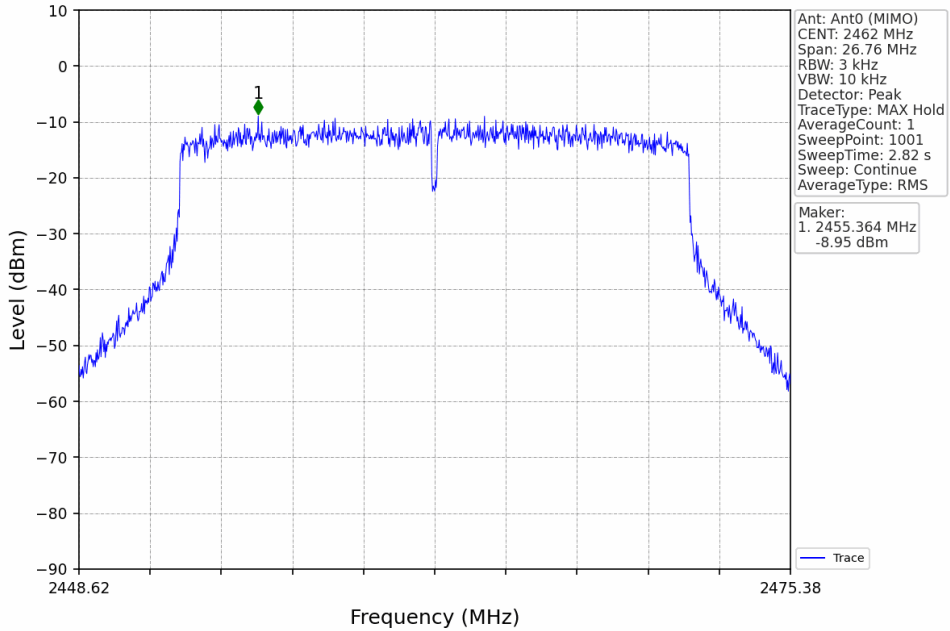


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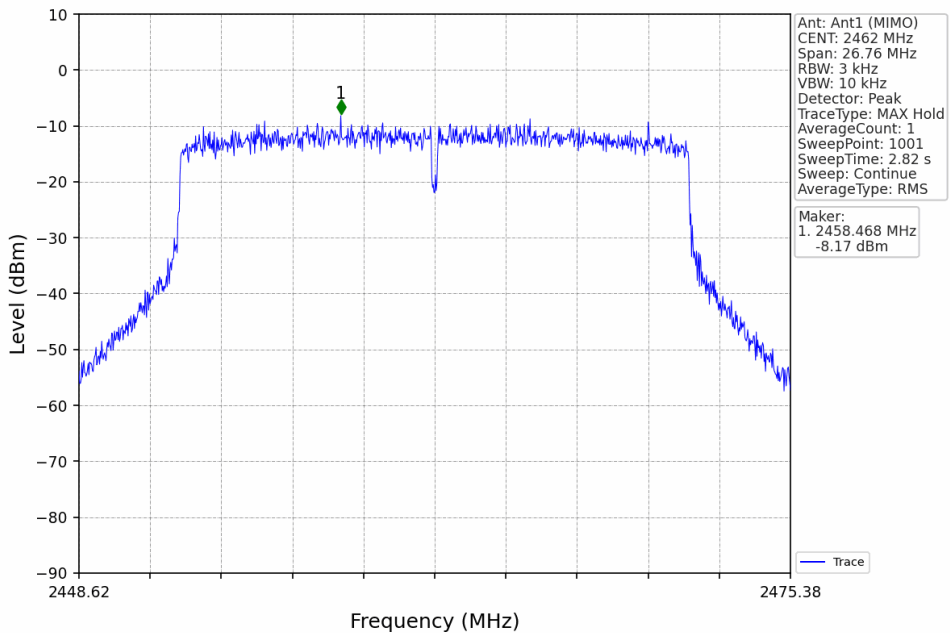


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802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant0 (MIMO)_NTNV

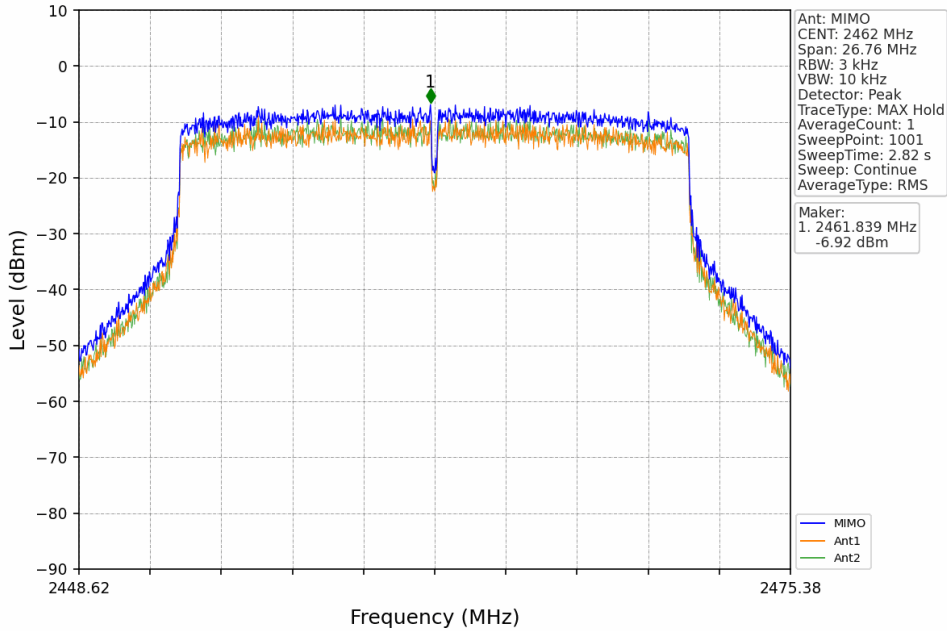


802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV

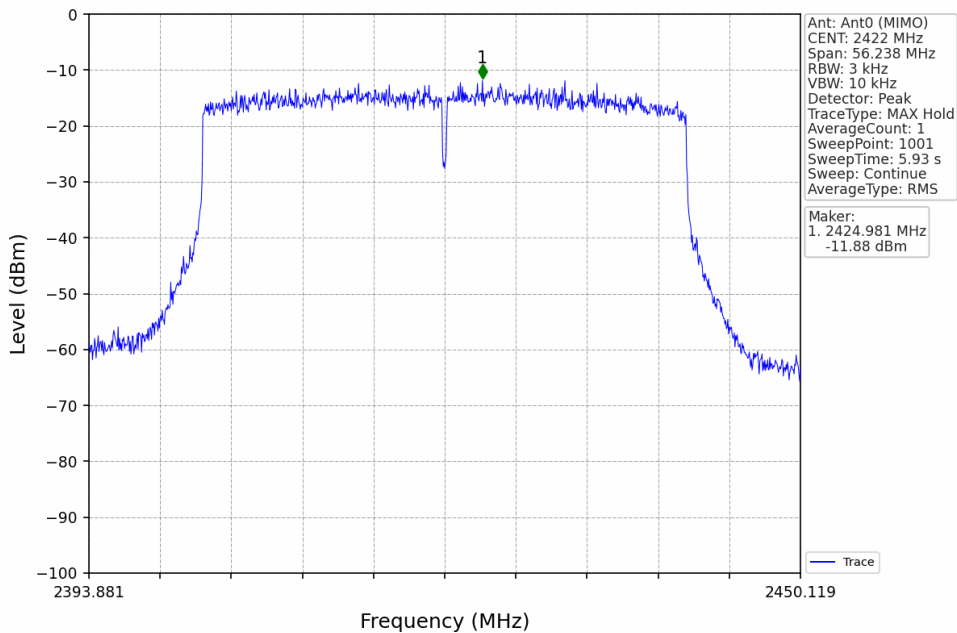


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802.11ax(HEW20)_HCH_2462MHz_RU242_Left_MIMO_NTNV

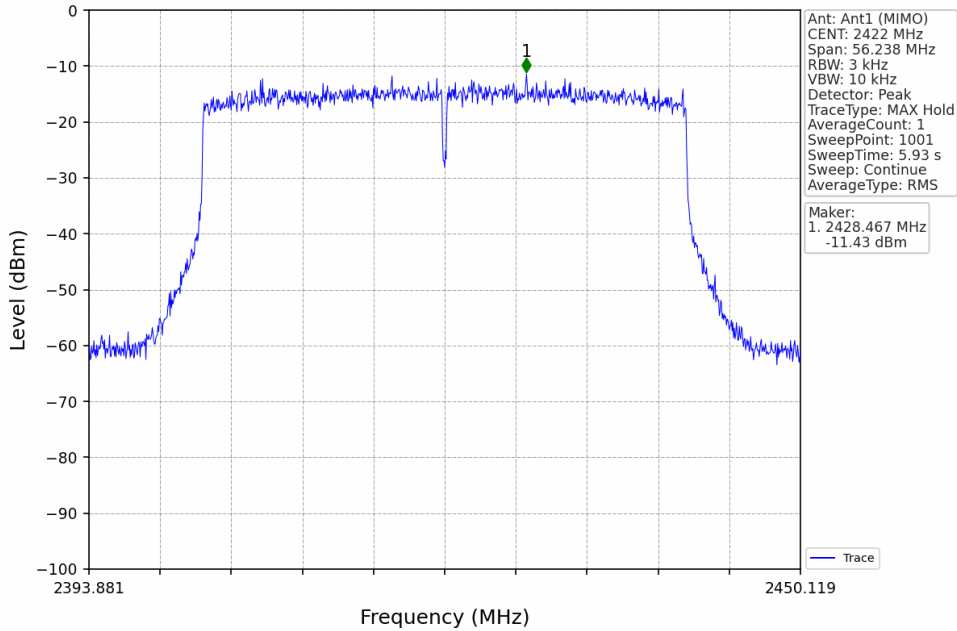


802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant0 (MIMO)_NTNV

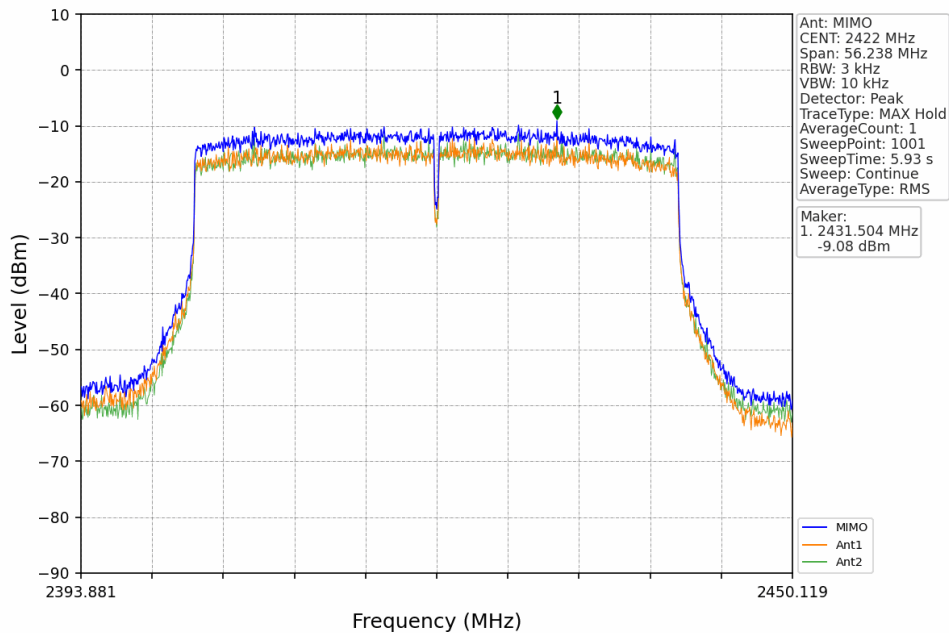


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802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



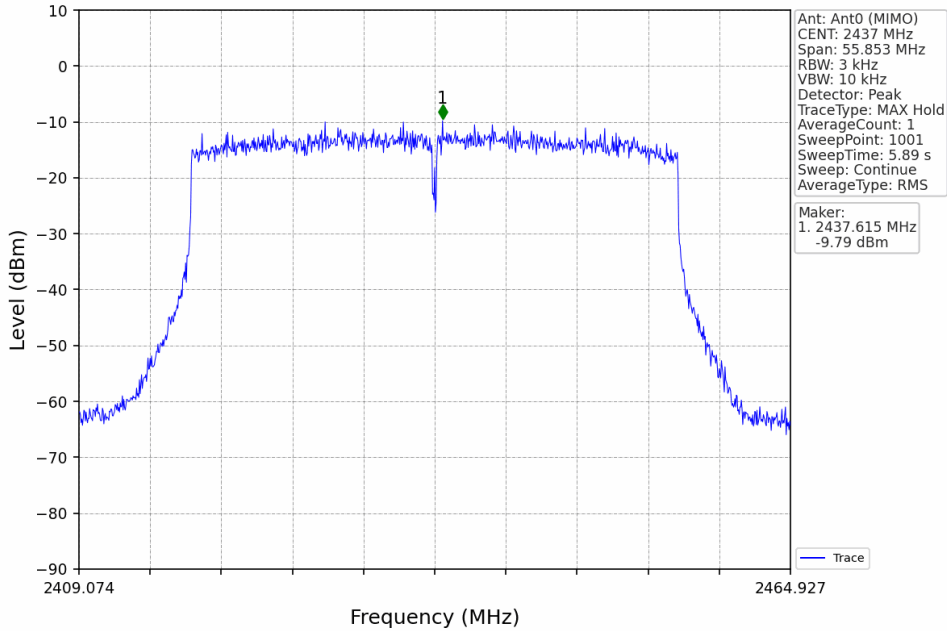
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_MIMO_NTNV



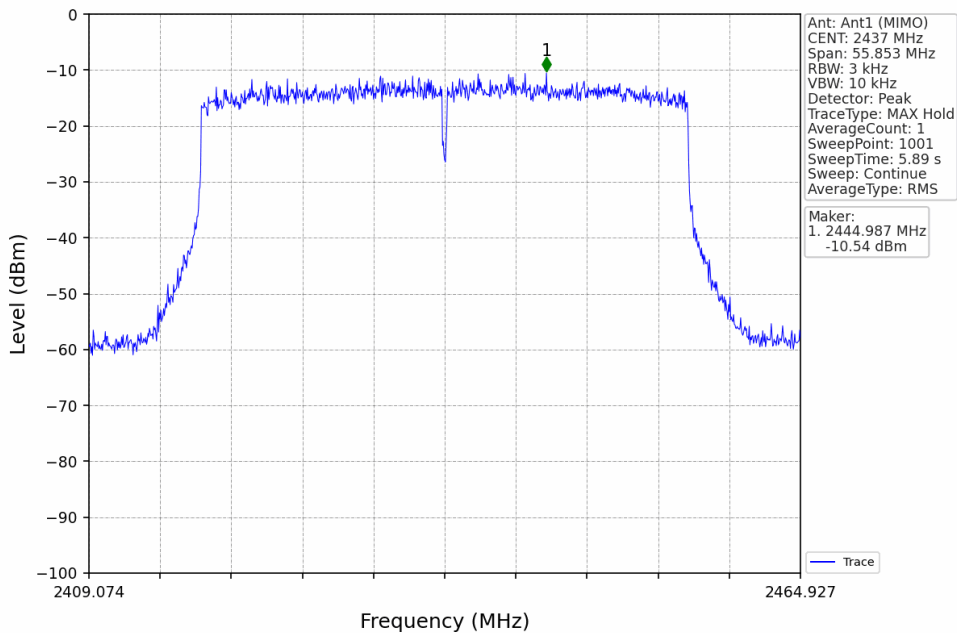
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802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant0 (MIMO)_NTNV

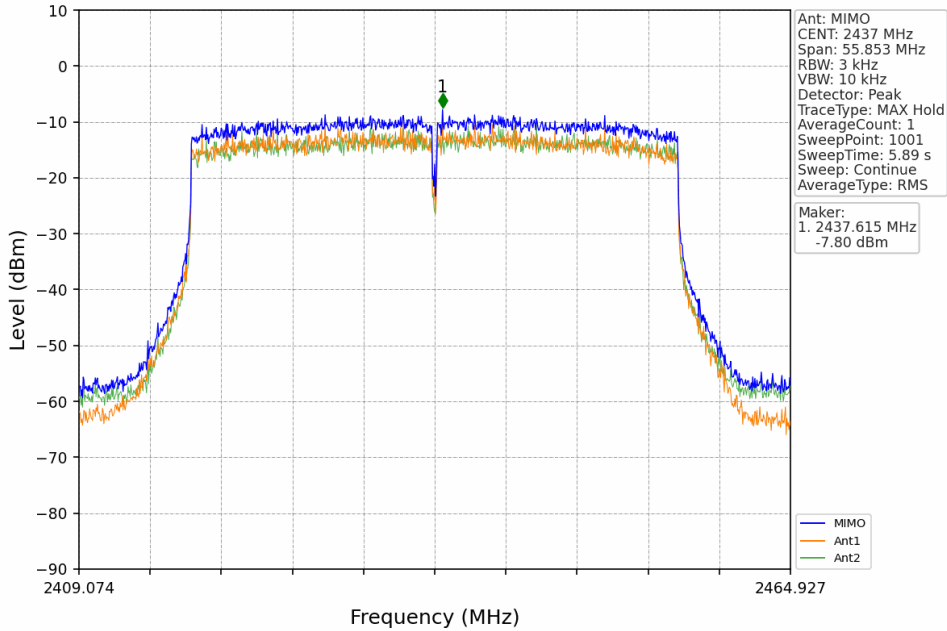


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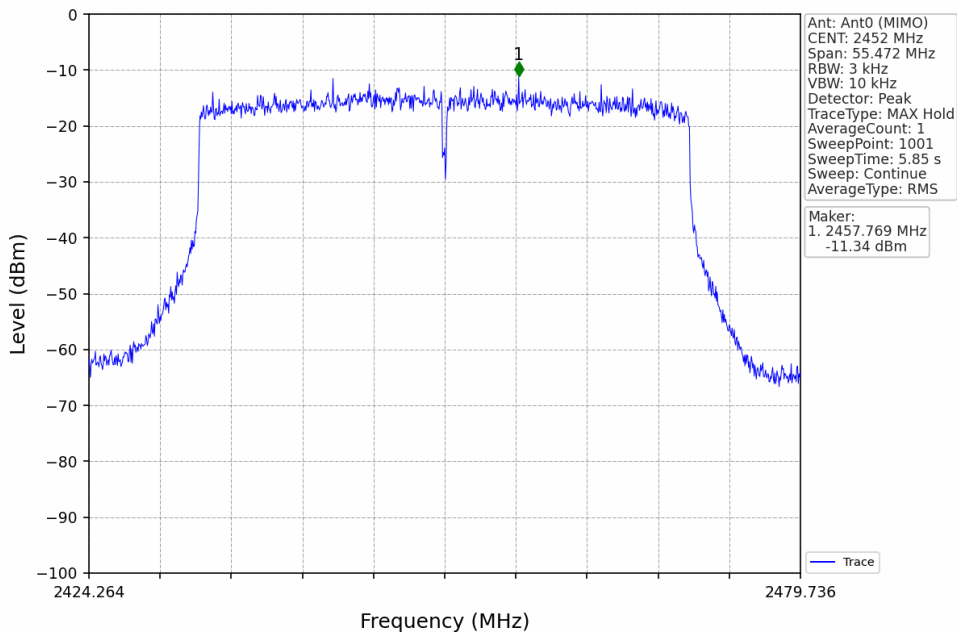


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802.11ax(HEW40)_MCH_2437MHz_RU484_Left_MIMO_NTNV

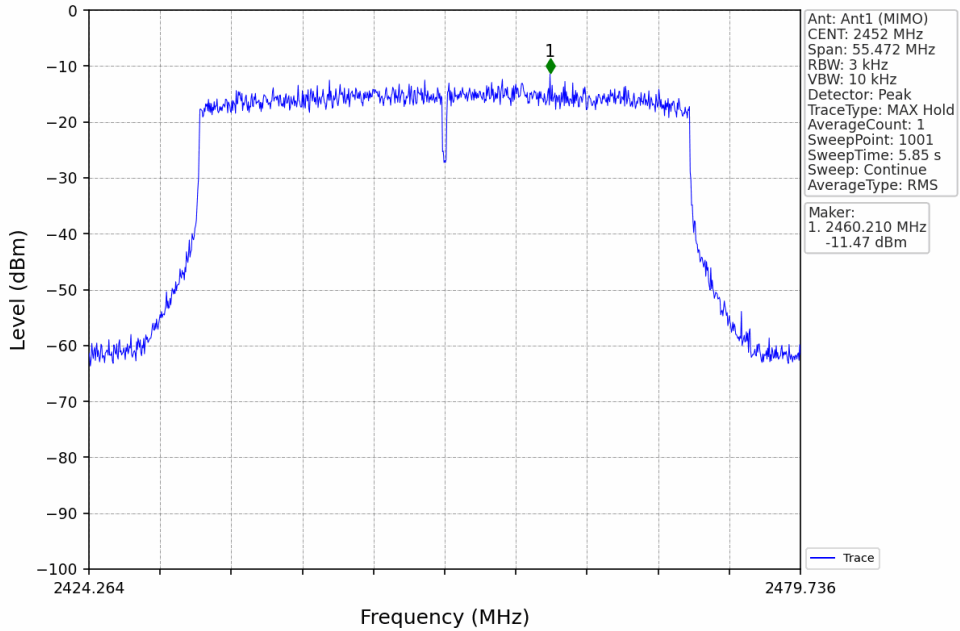


802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant0 (MIMO)_NTNV

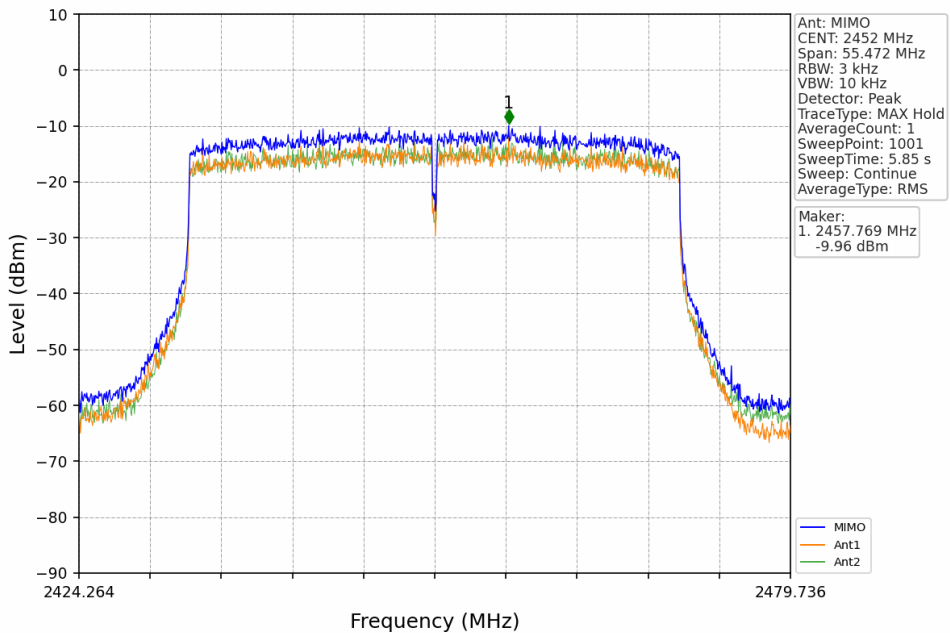


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802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	0	11.93
					1	13.00
		2437	/	/	0	13.18
					1	12.25
		2462	/	/	0	13.11
					1	12.60
802.11g	SISO	2412	/	/	0	10.70
					1	11.27
		2437	/	/	0	11.44
					1	11.52
		2462	/	/	0	10.83
					1	10.31
802.11n (HT20)	MIMO	2412	/	/	0	10.90
					1	10.08
		2437	/	/	0	10.79
					1	10.43
		2462	/	/	0	9.95
					1	10.99
802.11n (HT40)	MIMO	2422	/	/	0	4.29
					1	4.09
		2437	/	/	0	6.29
					1	5.80
		2452	/	/	0	3.24
					1	3.40
802.11ax (HEW20)	MIMO	2412	RU242	Left	0	8.96
					1	8.34
		2437	RU242	Left	0	9.02
					1	9.03
		2462	RU242	Left	0	8.06
					1	7.38
802.11ax	MIMO	2422	RU484	Left	0	3.76



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR230900320604

Page: 177 of 226

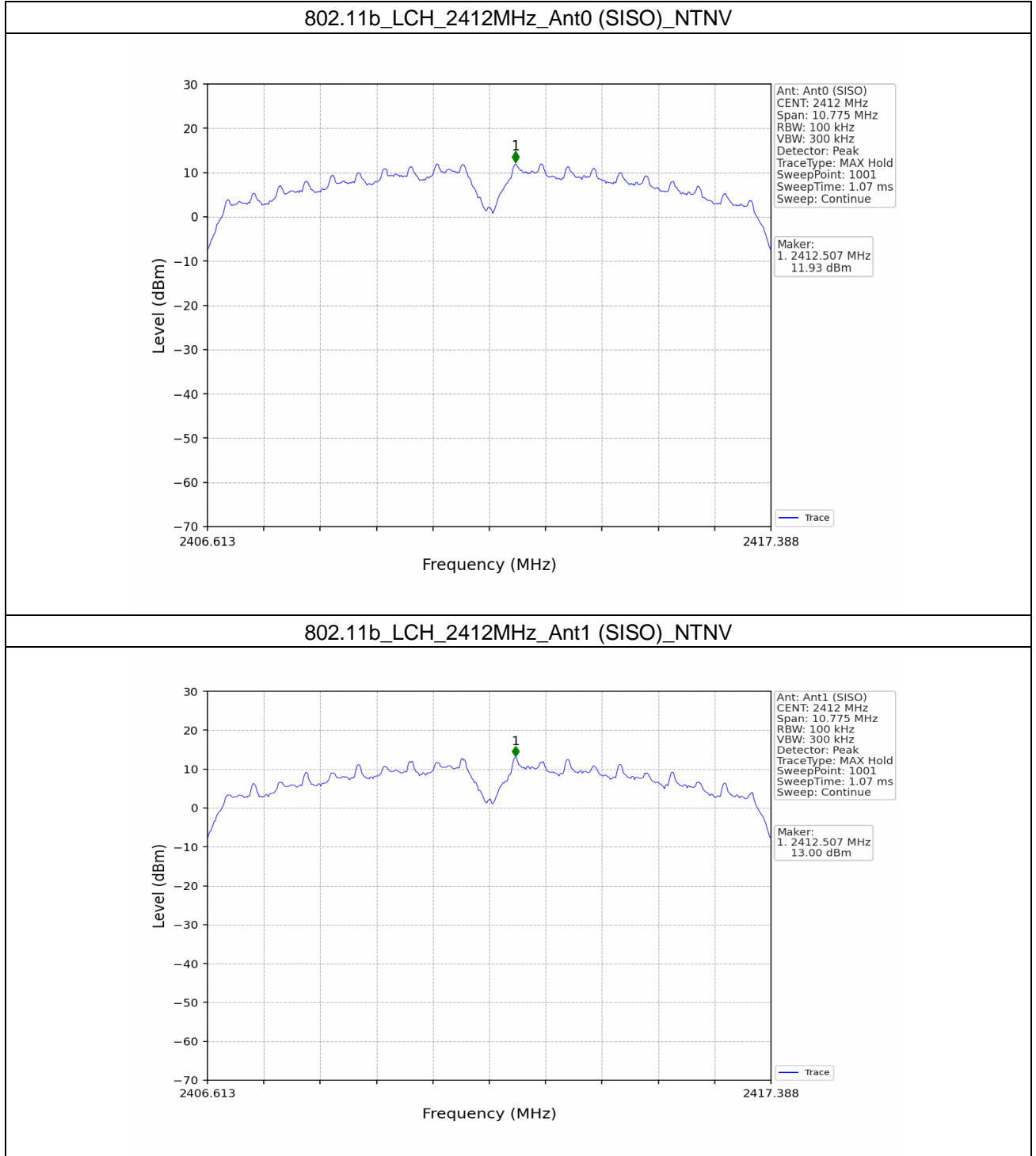
(HEW40)		2437	RU484	Left	1	3.88
					0	5.16
					1	4.97
		2452	RU484	Left	0	2.63
					1	3.69



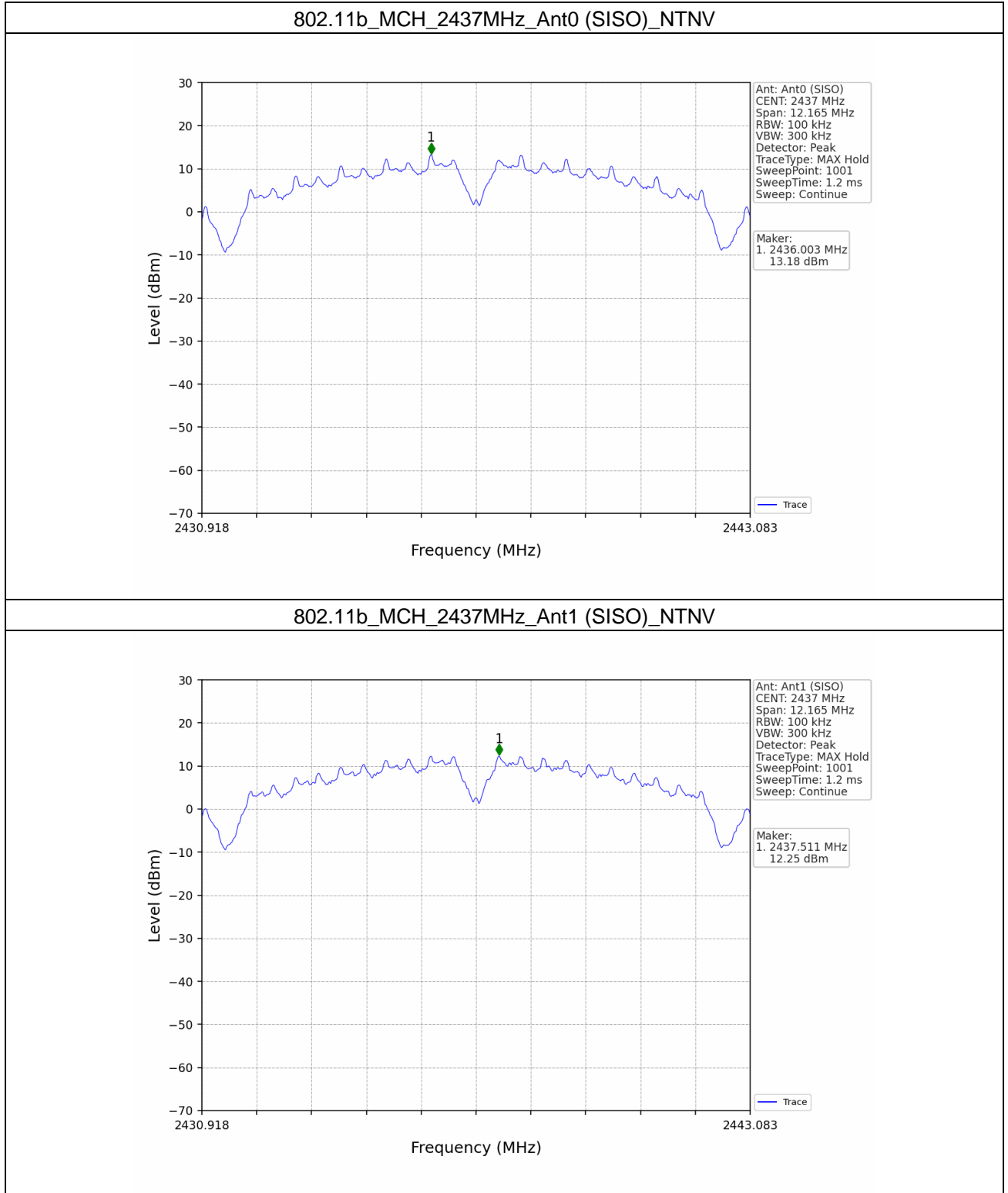
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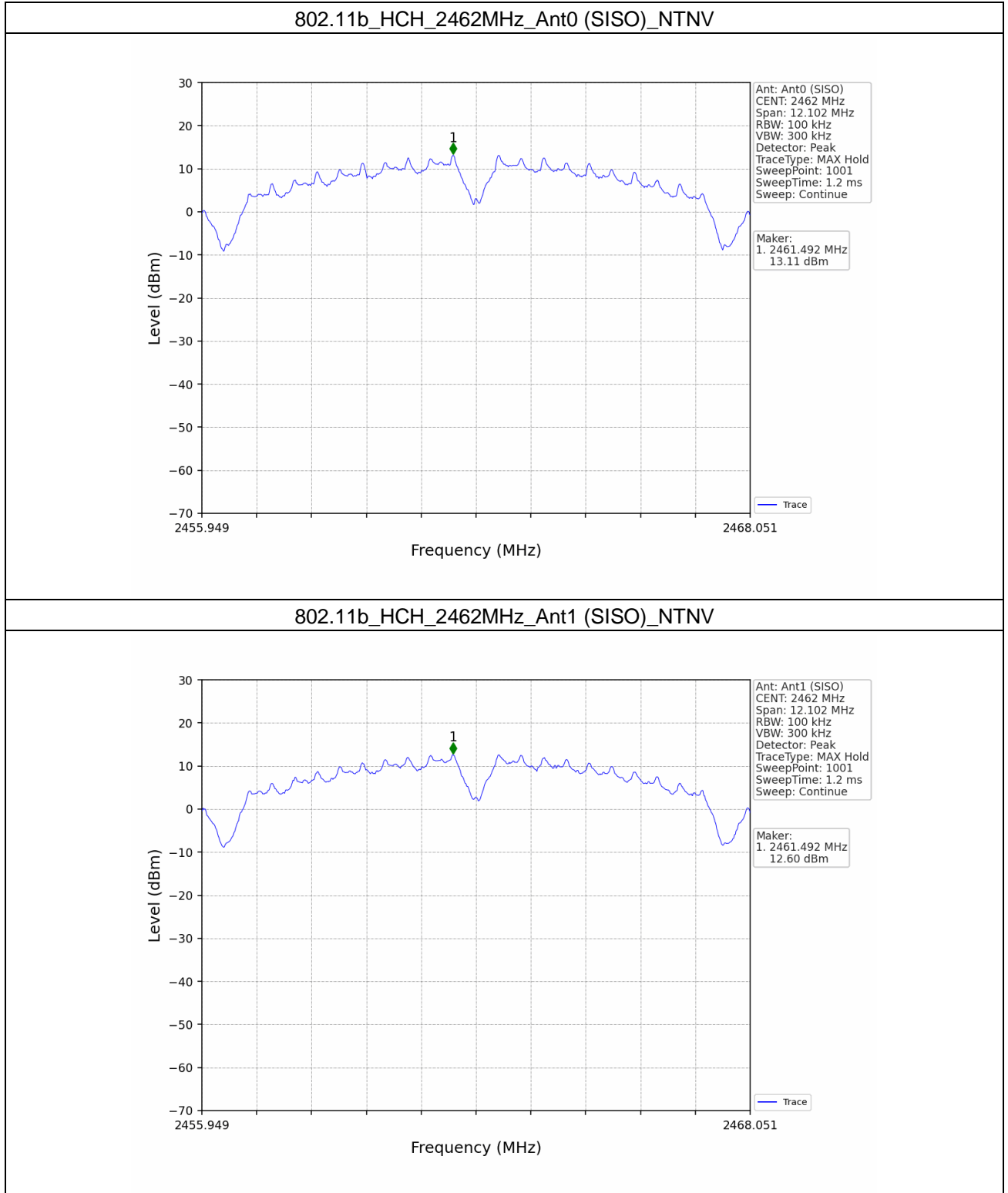
5.1.2 Test Graph



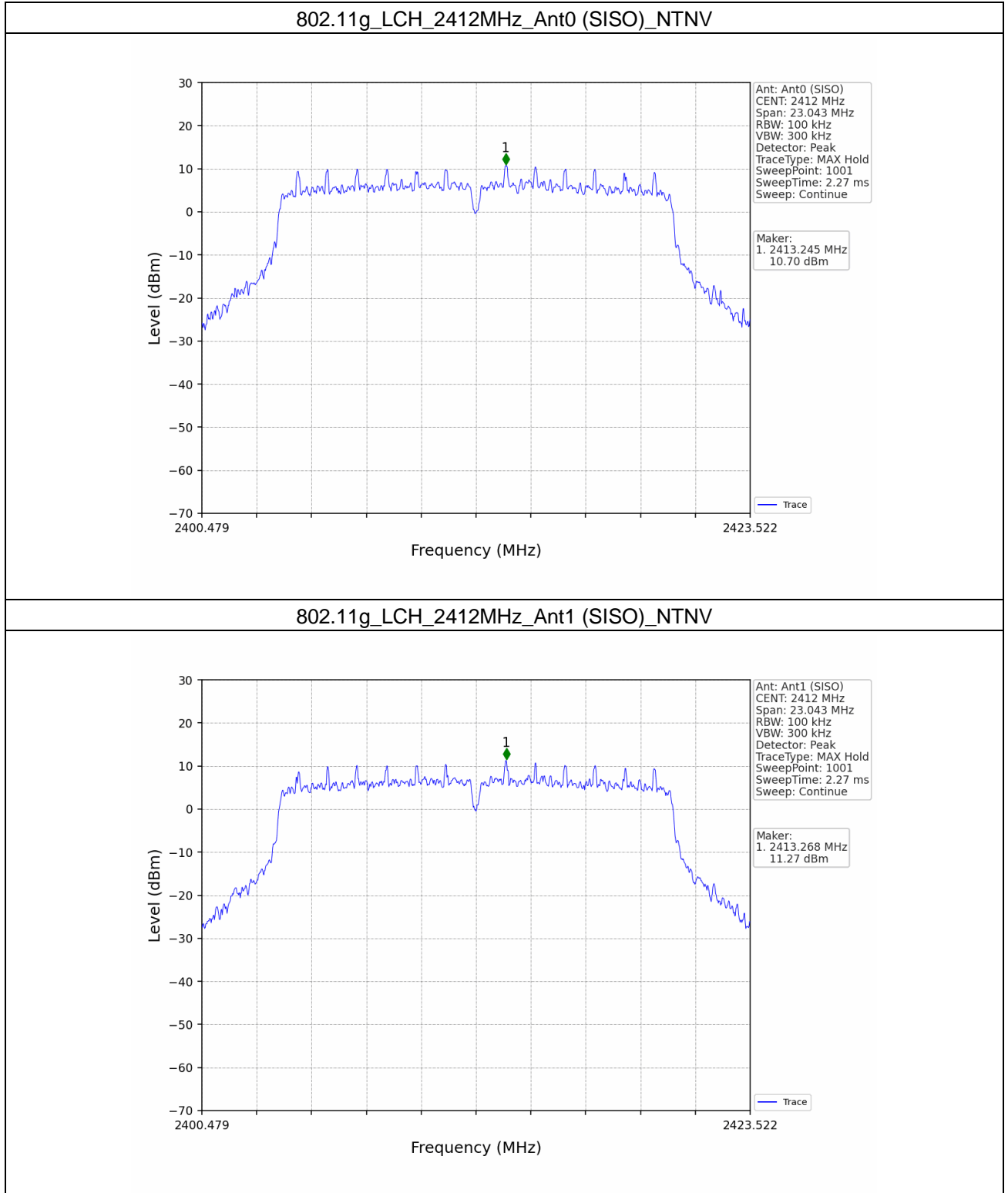
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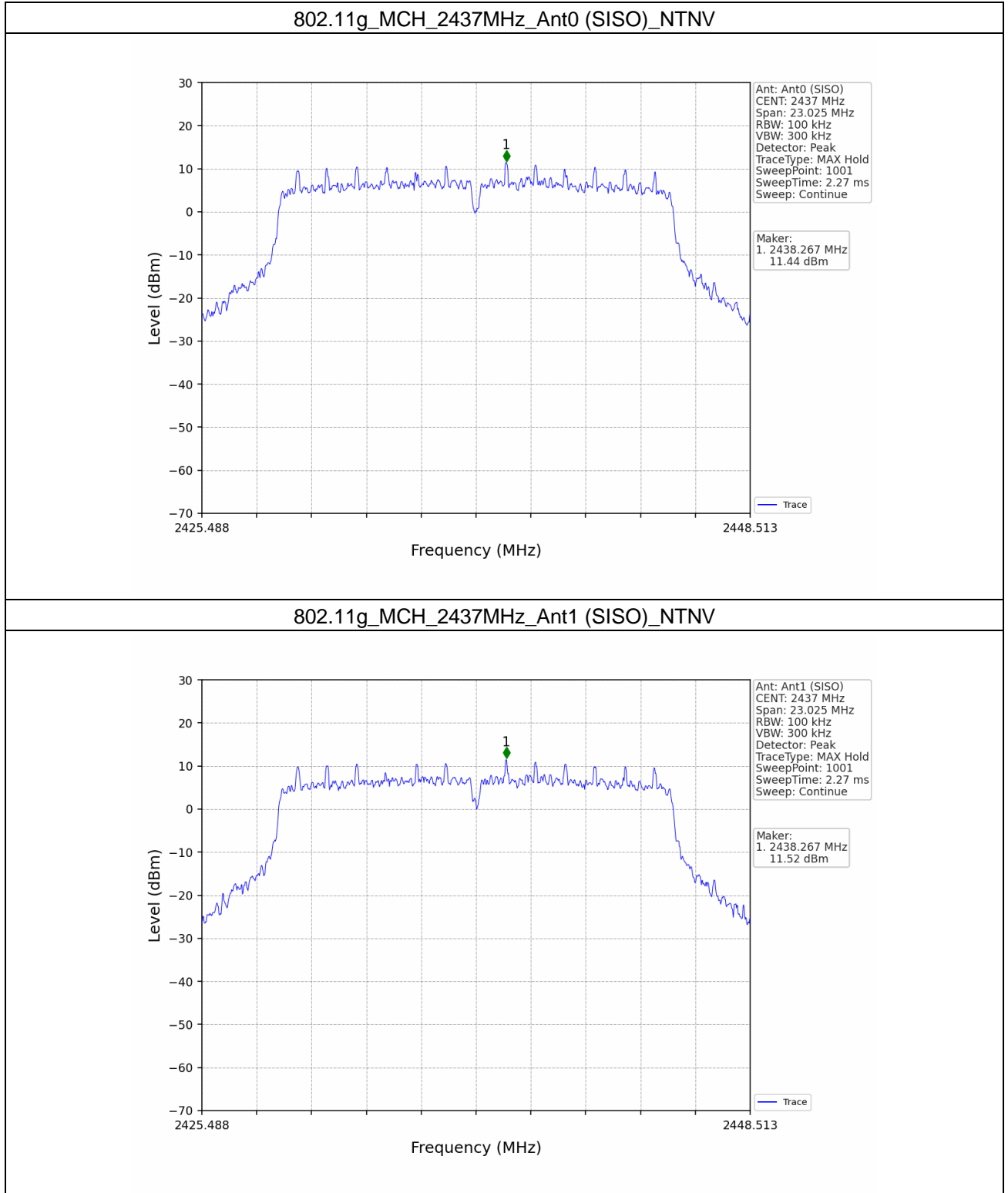
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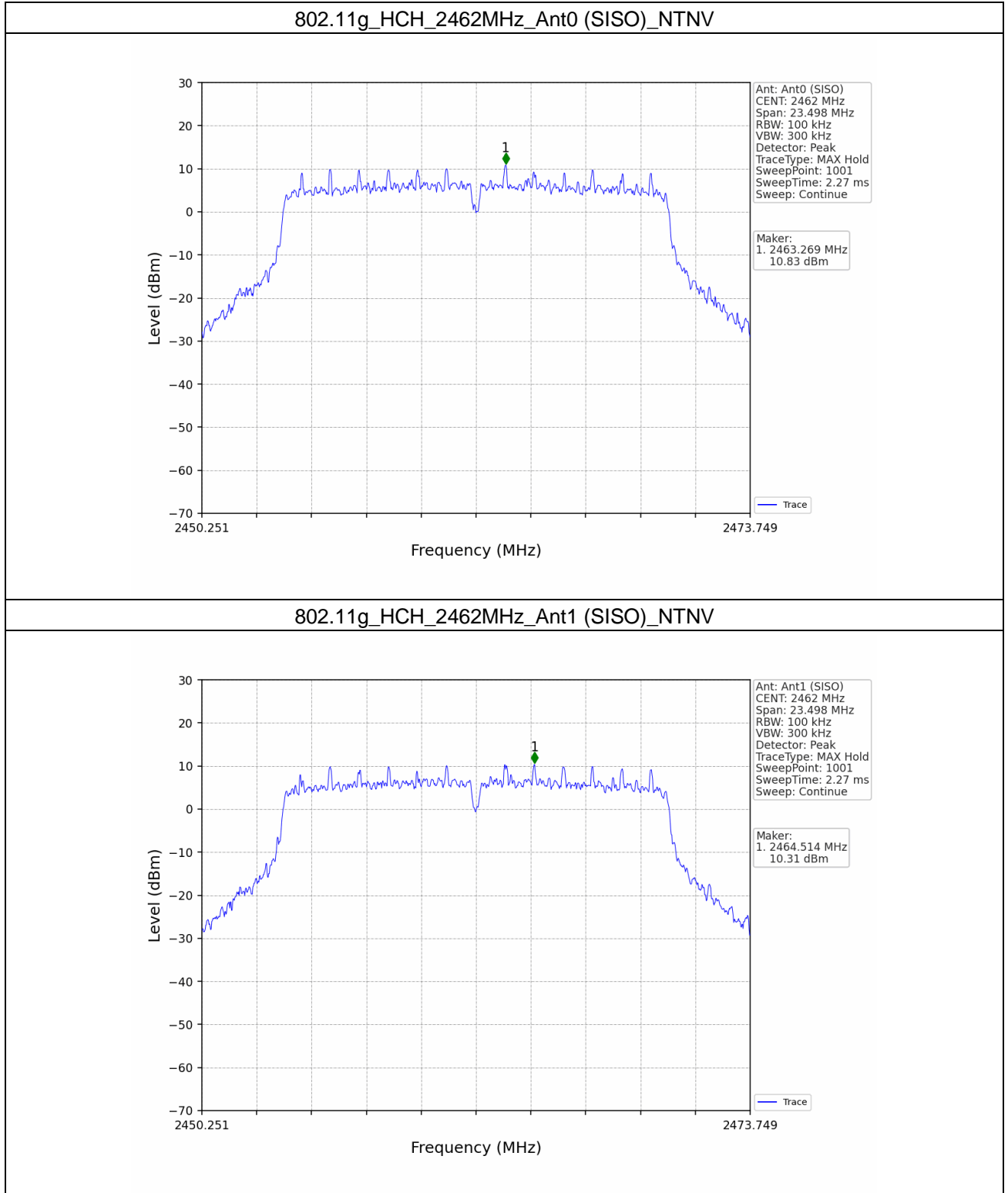
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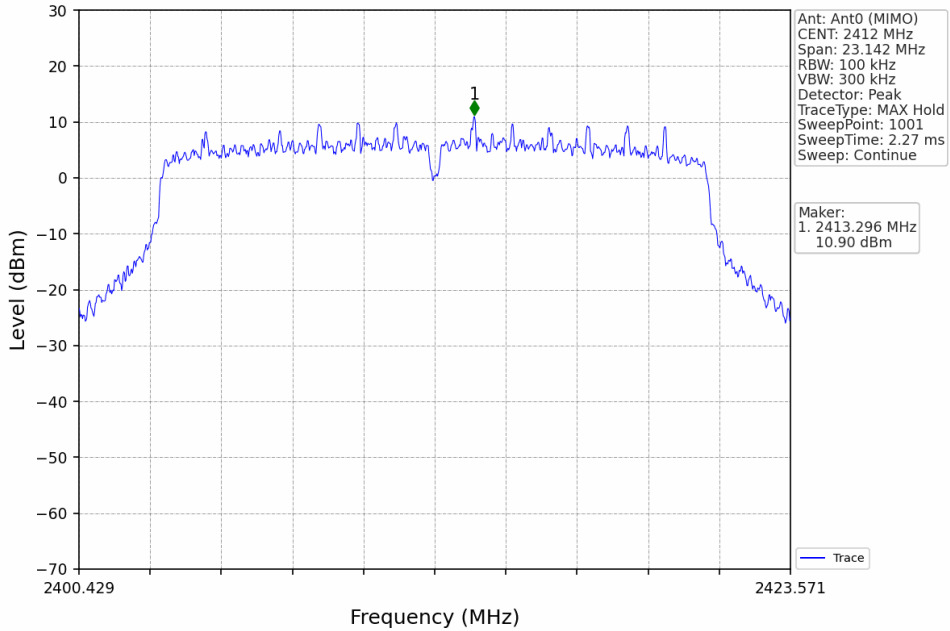


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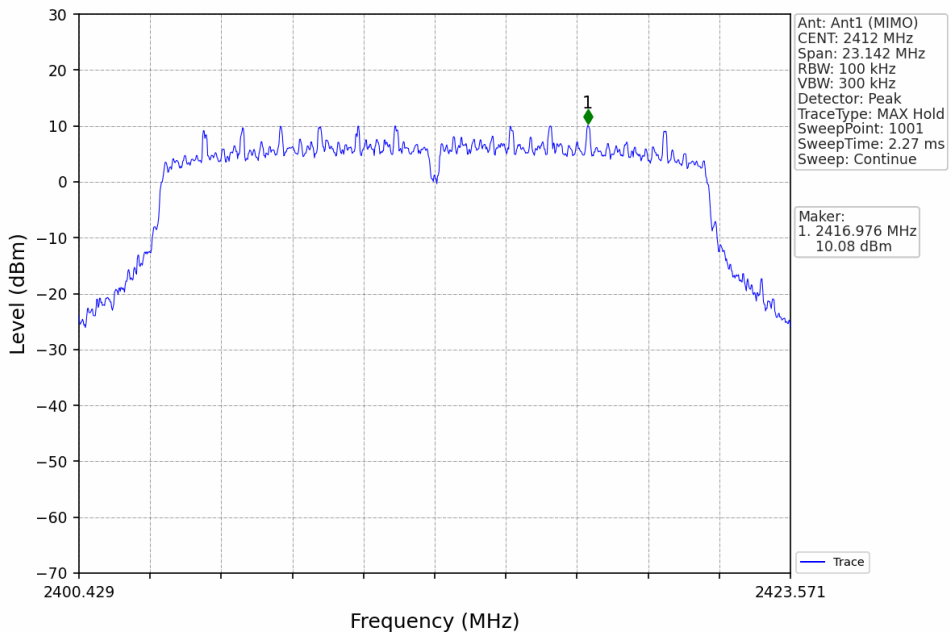
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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

802.11n(HT20)_LCH_2412MHz_Ant0 (MIMO)_NTNV

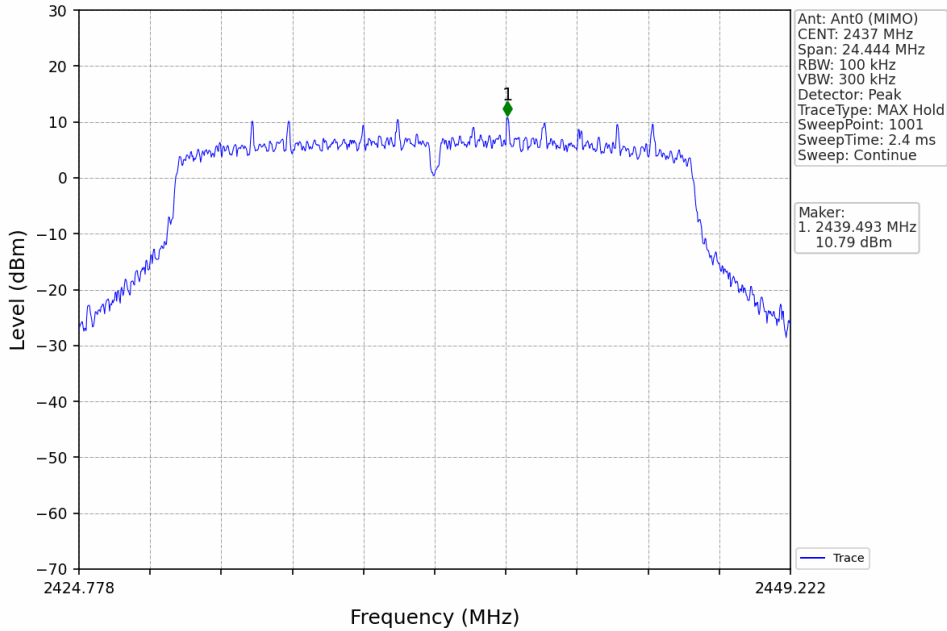


802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV

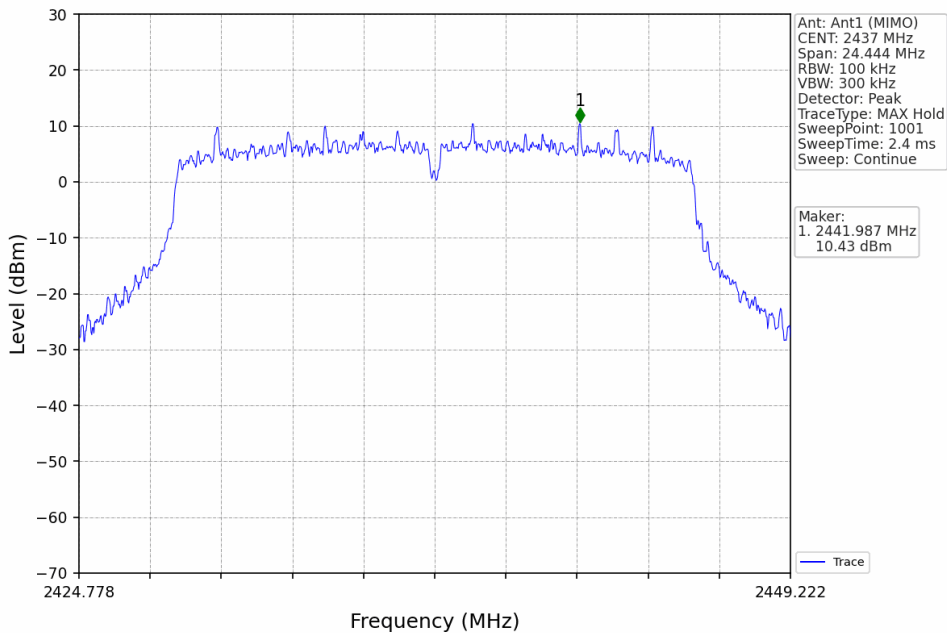


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802.11n(HT20)_MCH_2437MHz_Ant0 (MIMO)_NTNV

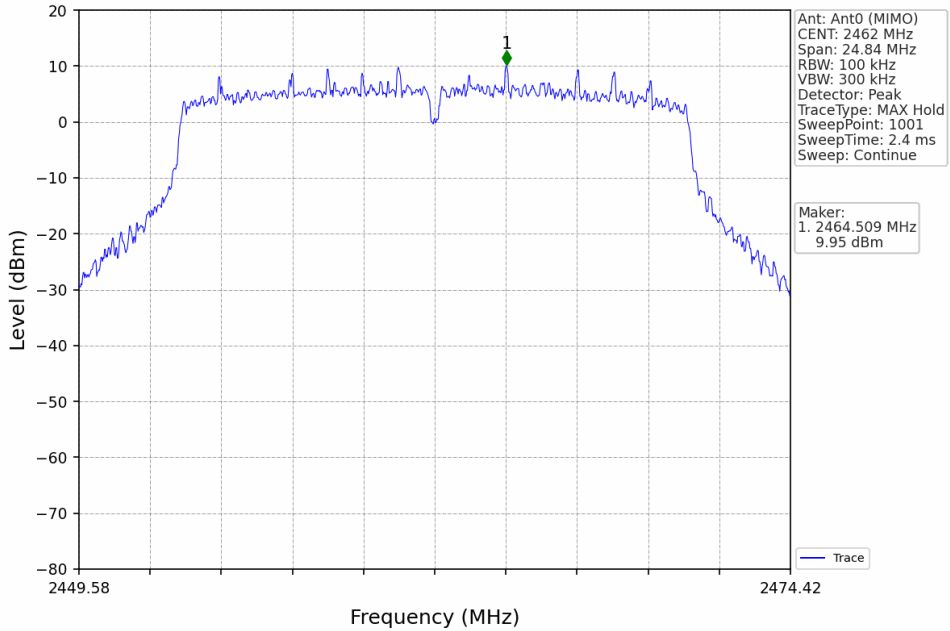


802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV

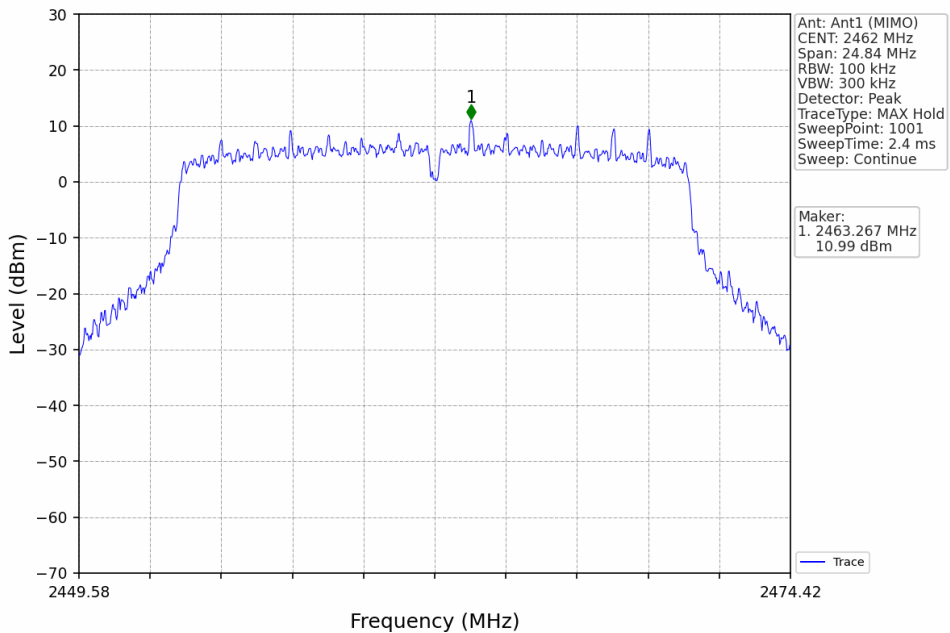


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802.11n(HT20)_HCH_2462MHz_Ant0 (MIMO)_NTNV

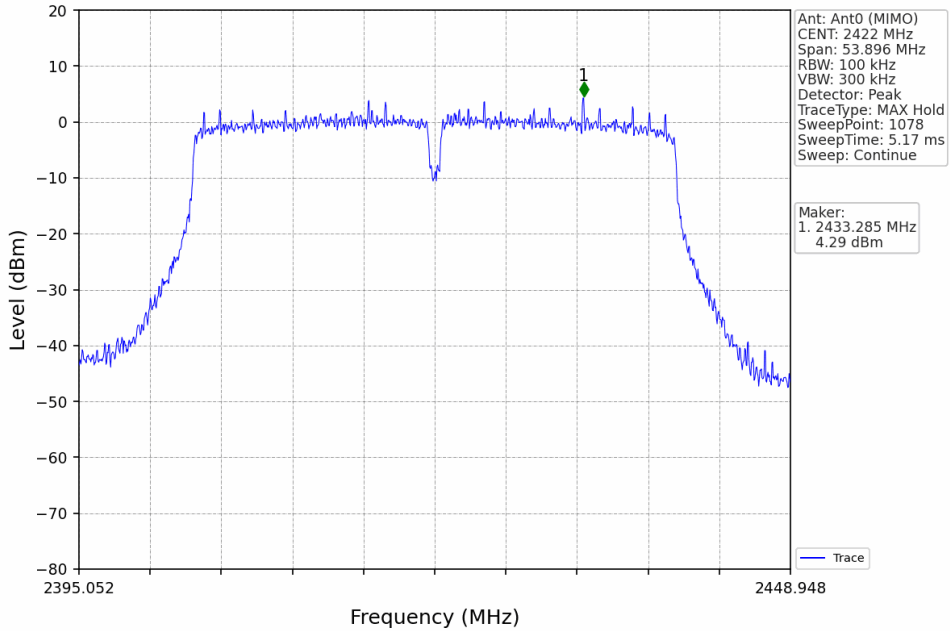


802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV

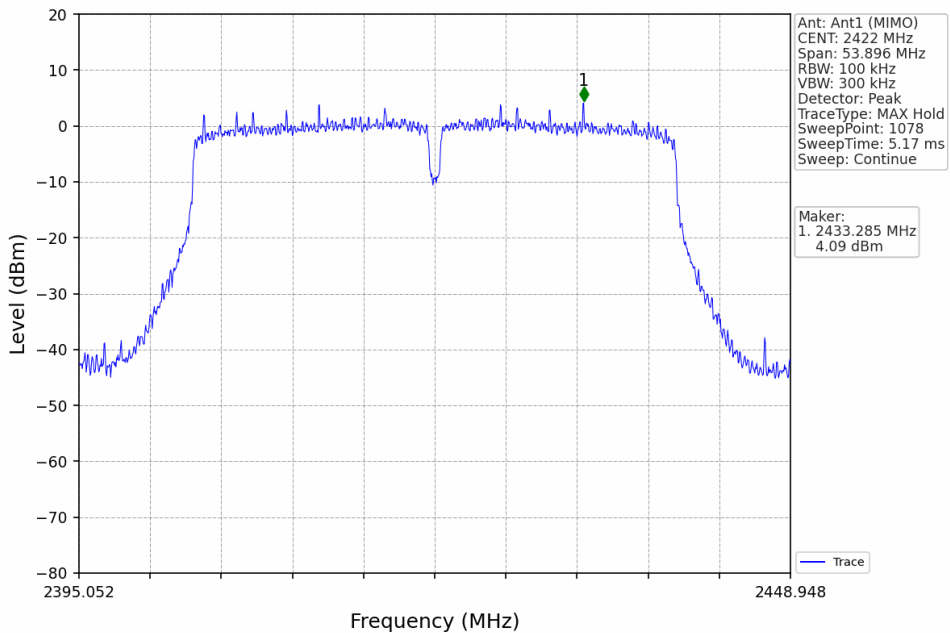


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802.11n(HT40)_LCH_2422MHz_Ant0 (MIMO)_NTNV

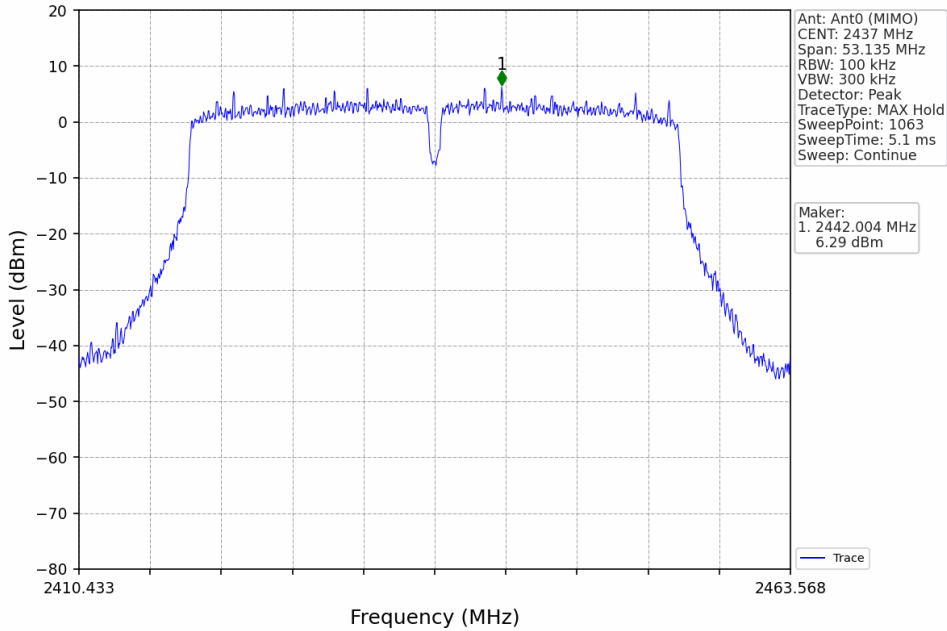


802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV

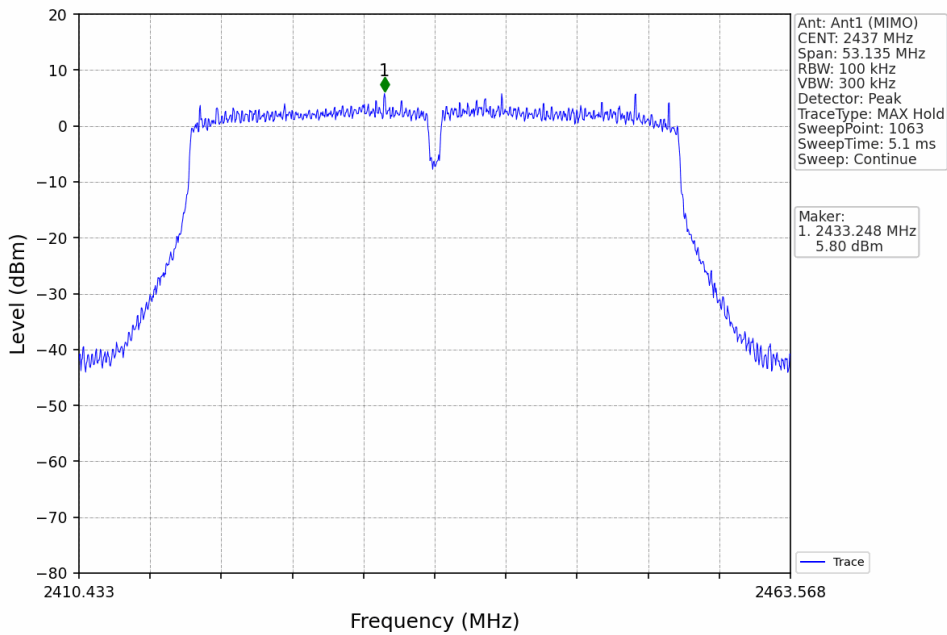


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802.11n(HT40)_MCH_2437MHz_Ant0 (MIMO)_NTNV

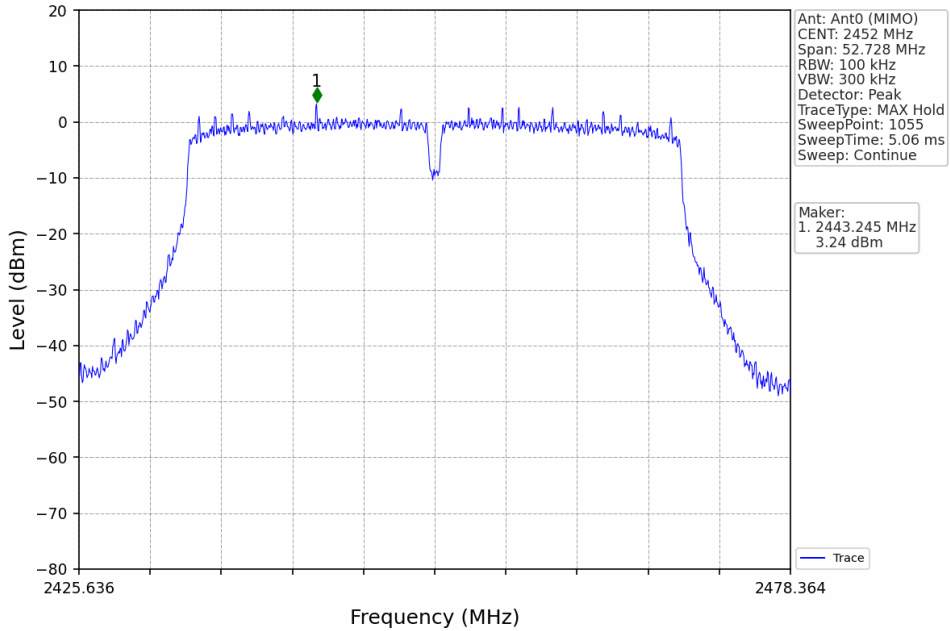


802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV

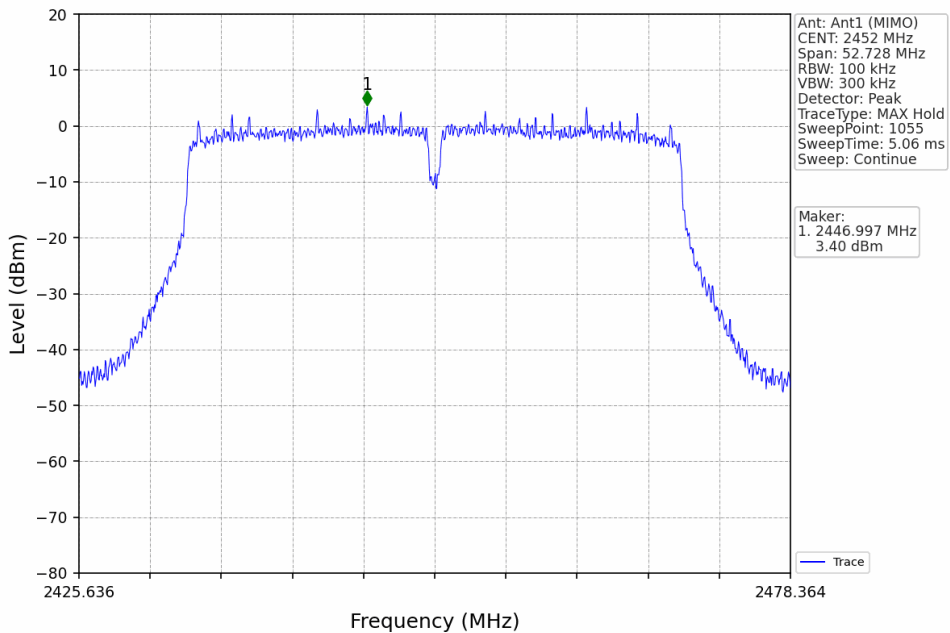


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802.11n(HT40)_HCH_2452MHz_Ant0 (MIMO)_NTNV

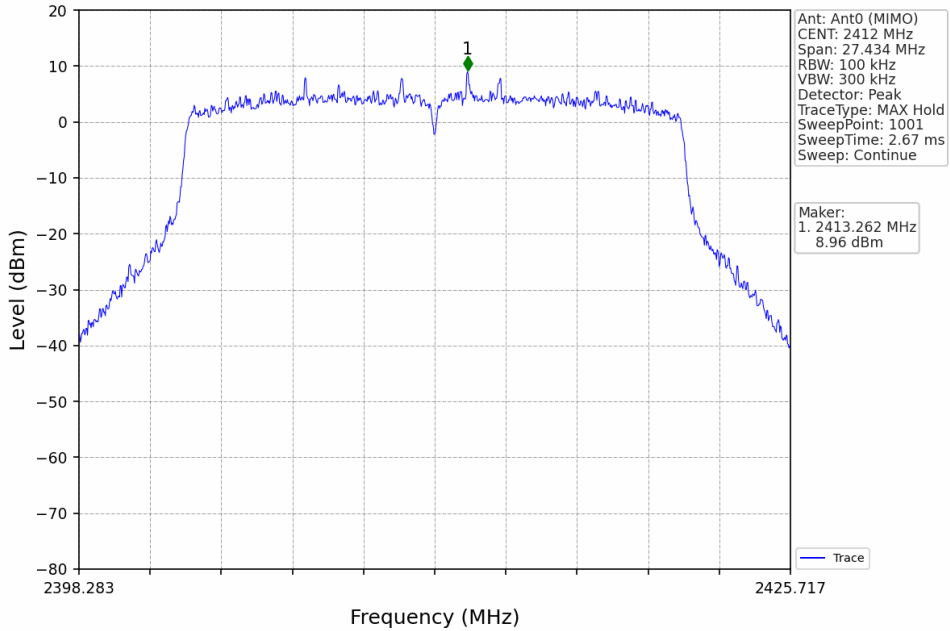


802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV

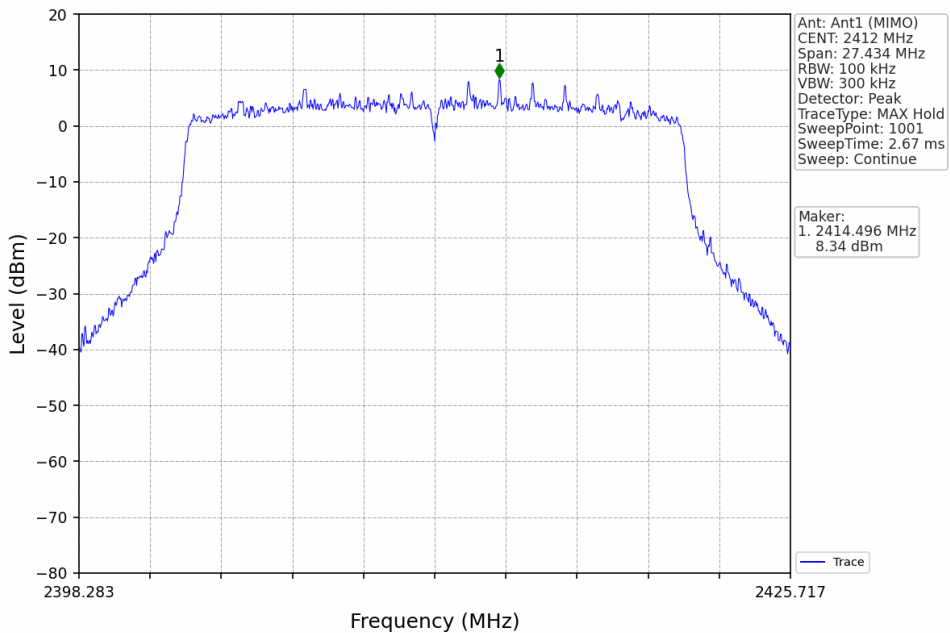


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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant0 (MIMO)_NTNV

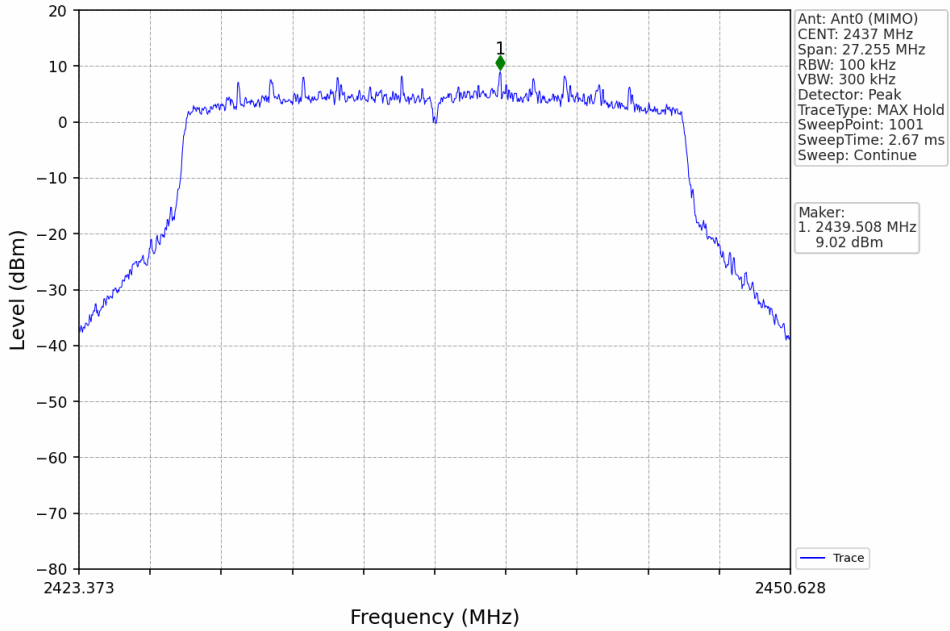


802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV

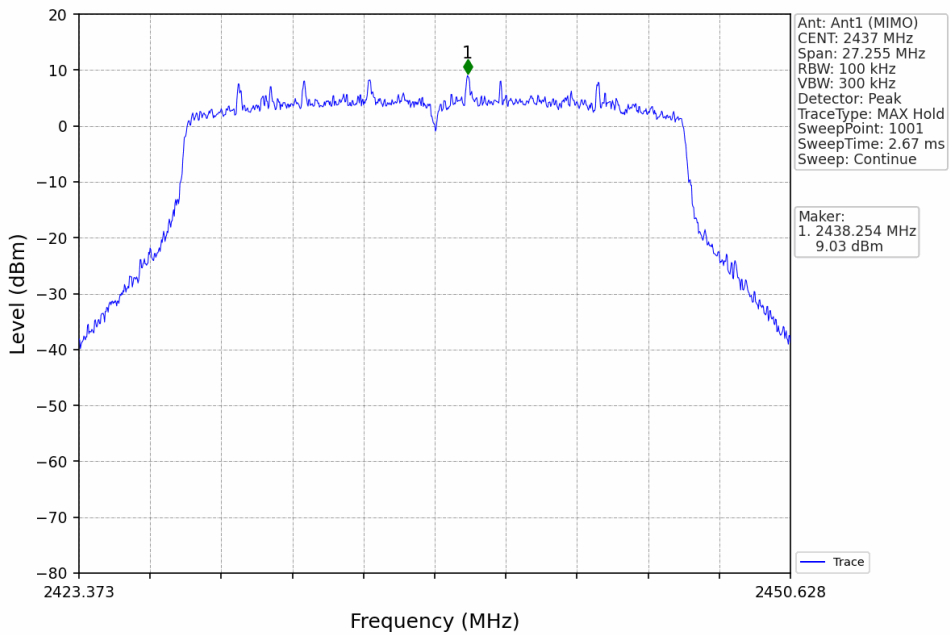


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802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant0 (MIMO)_NTNV

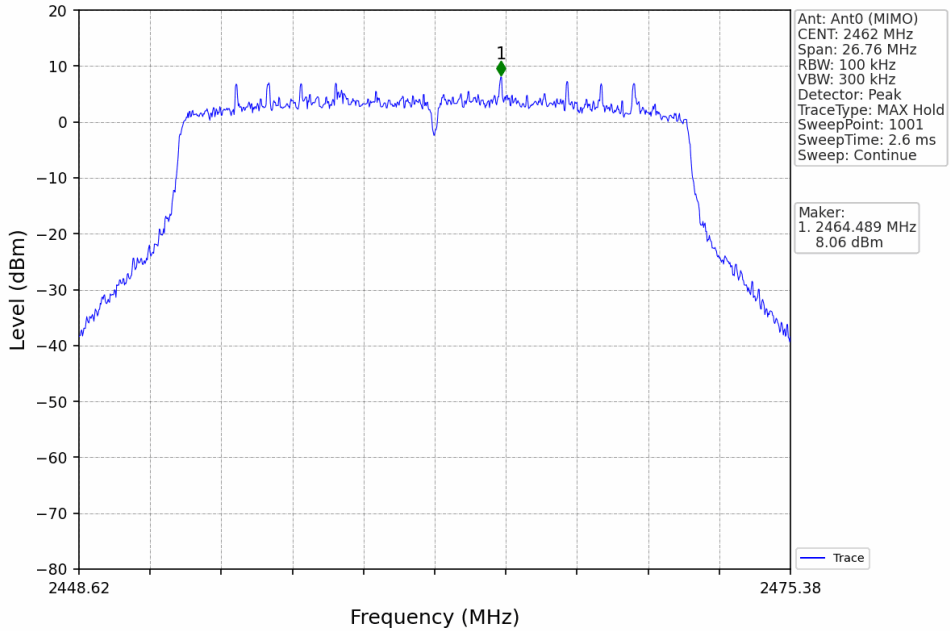


802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV

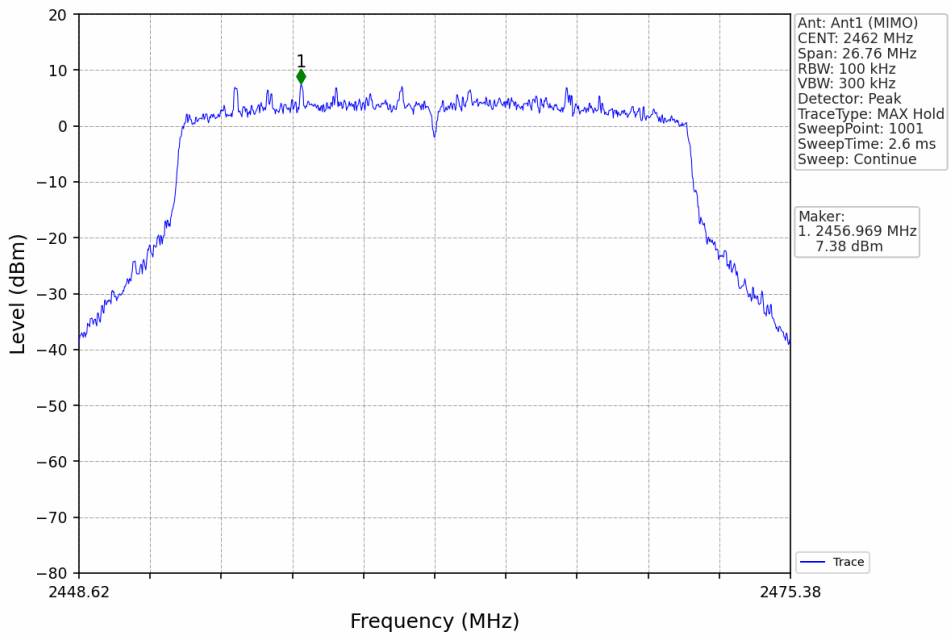


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802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant0 (MIMO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



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