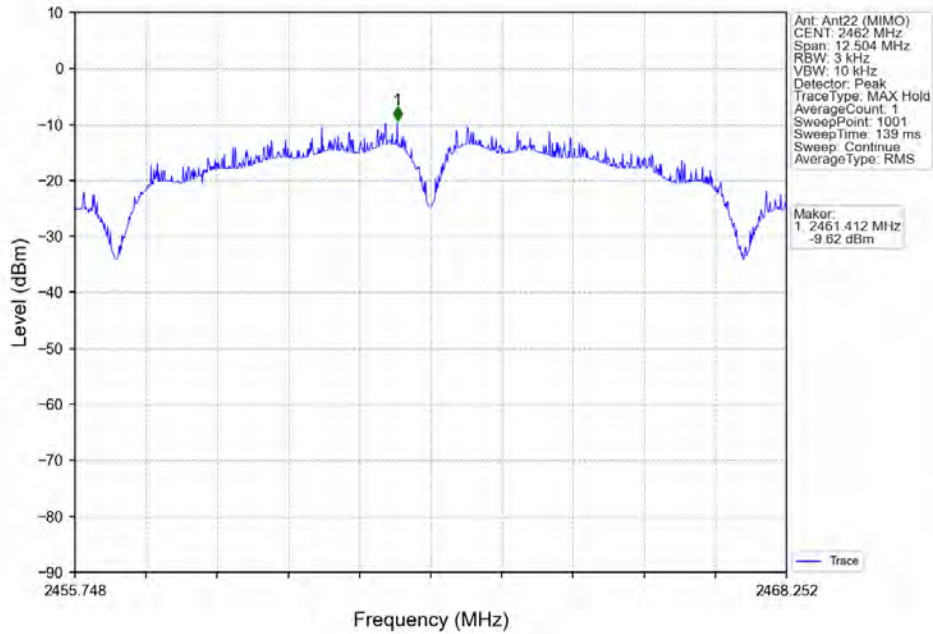
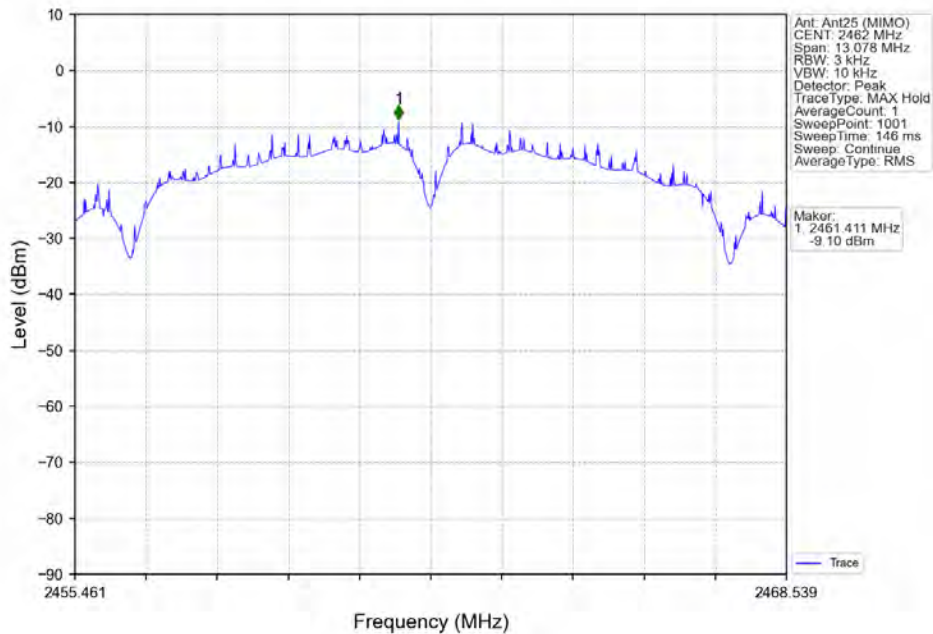


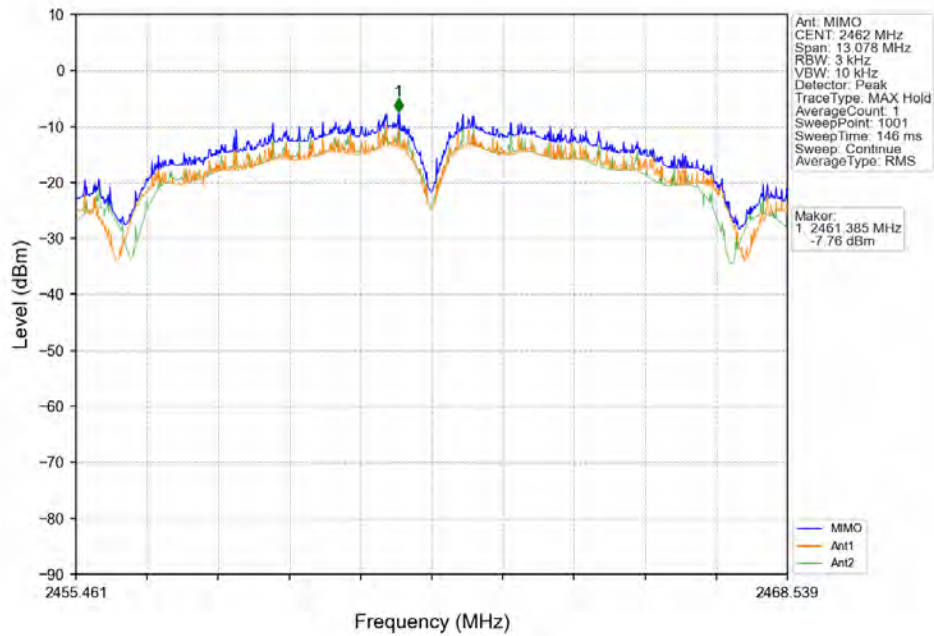
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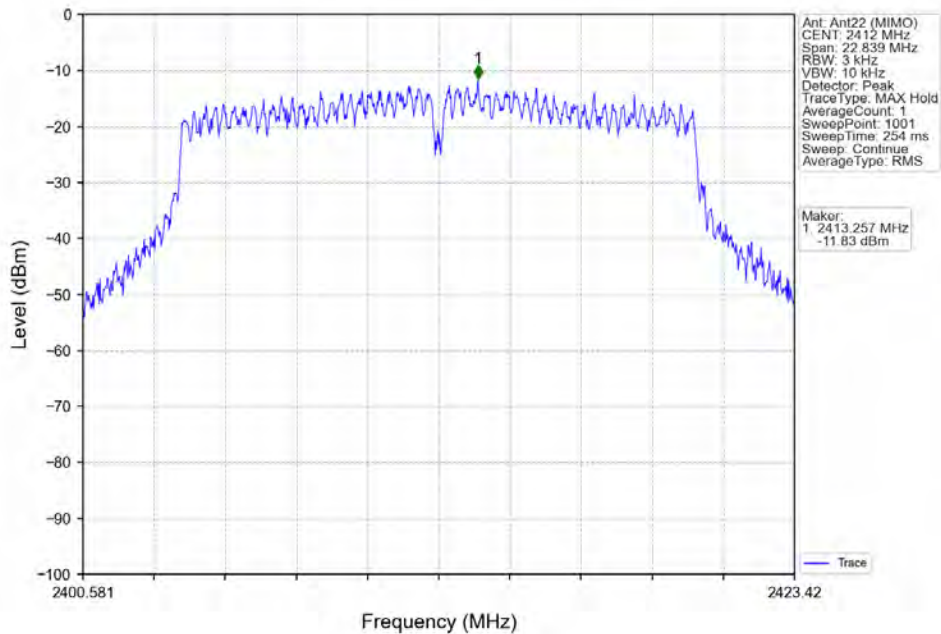
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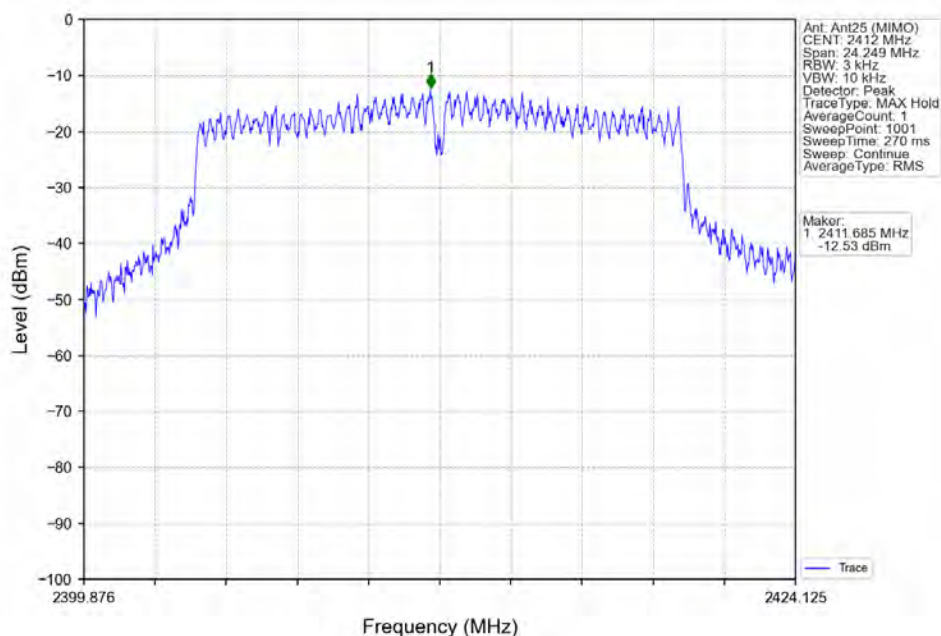
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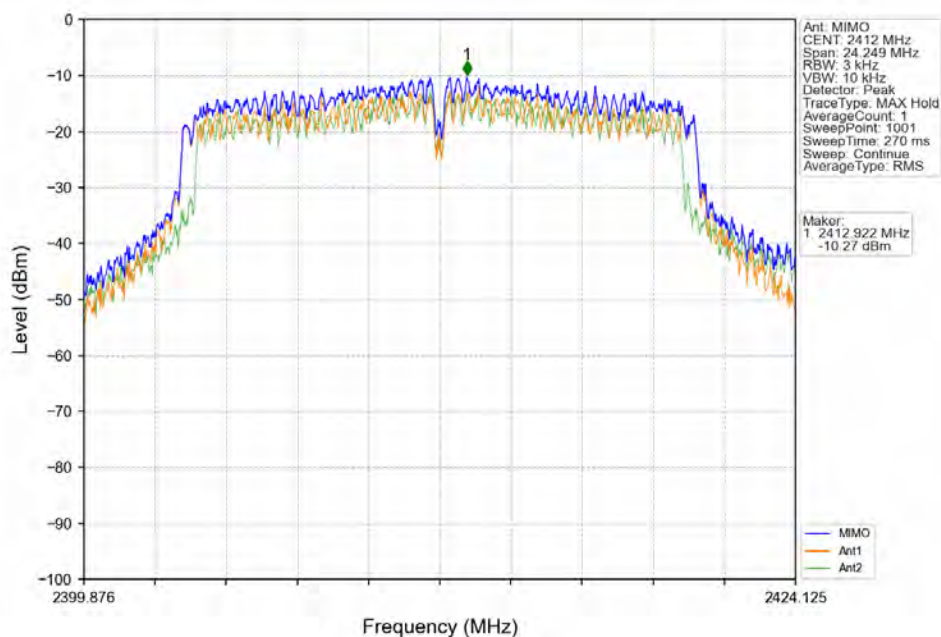
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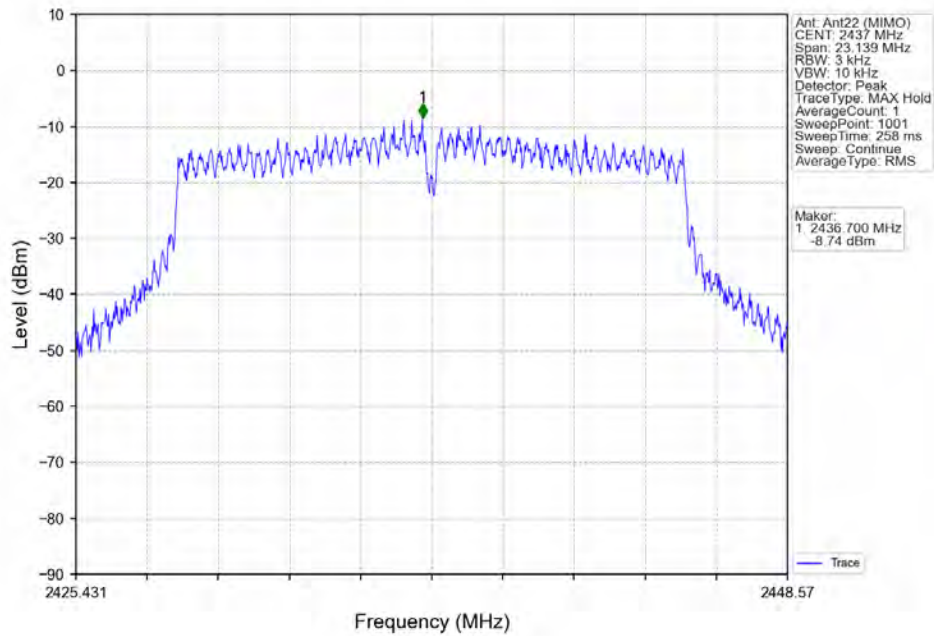
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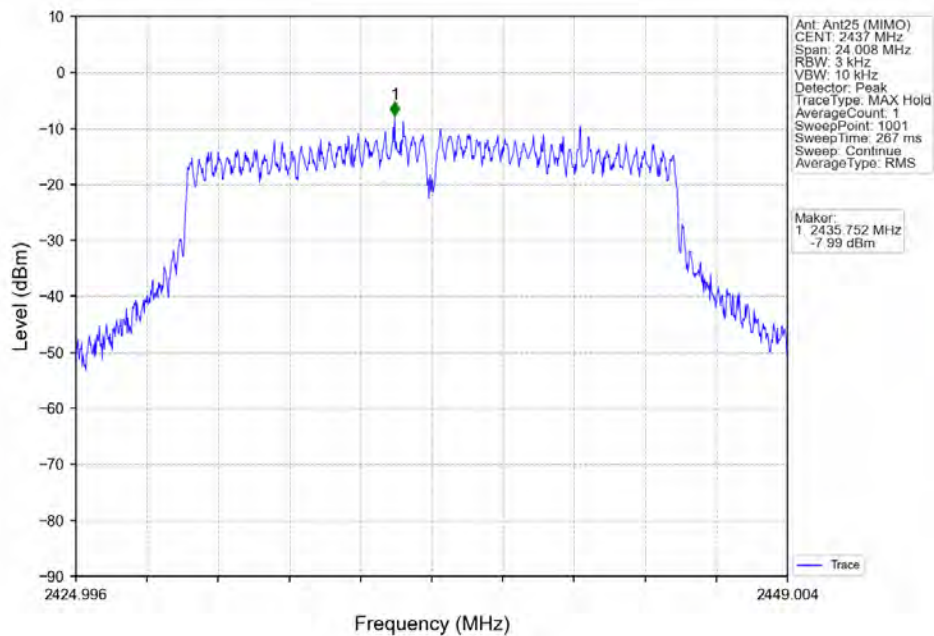
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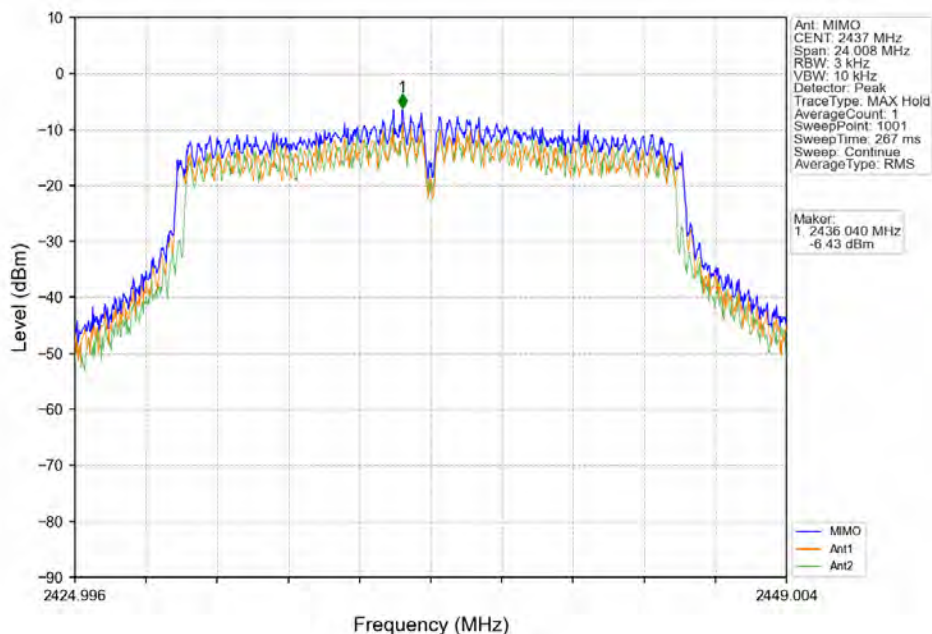
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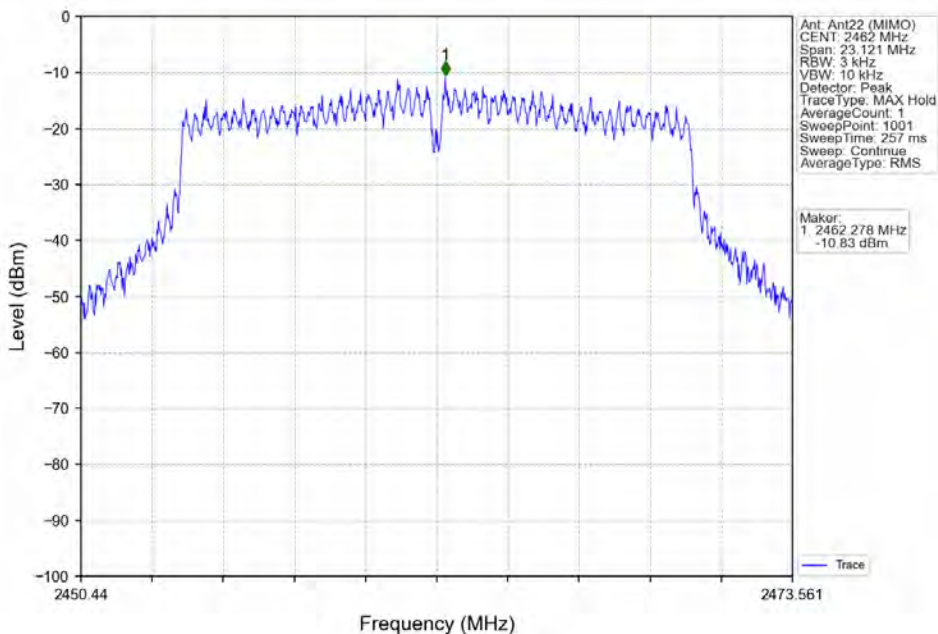
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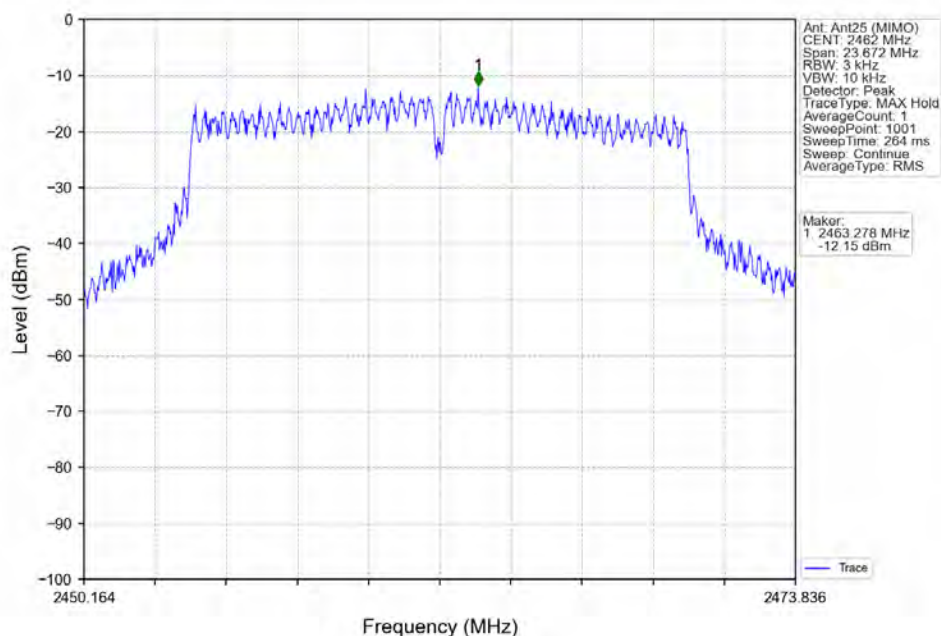
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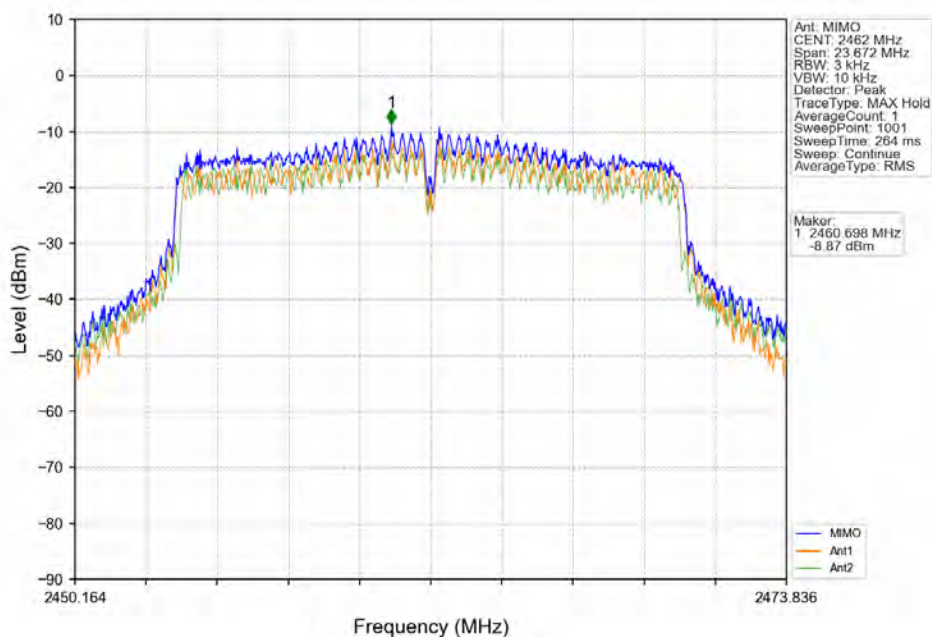
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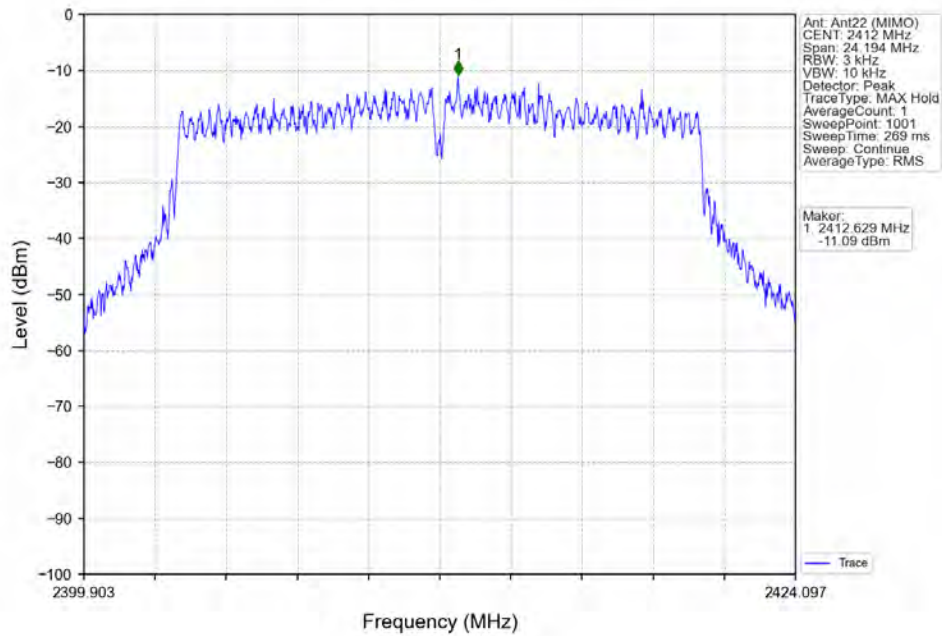
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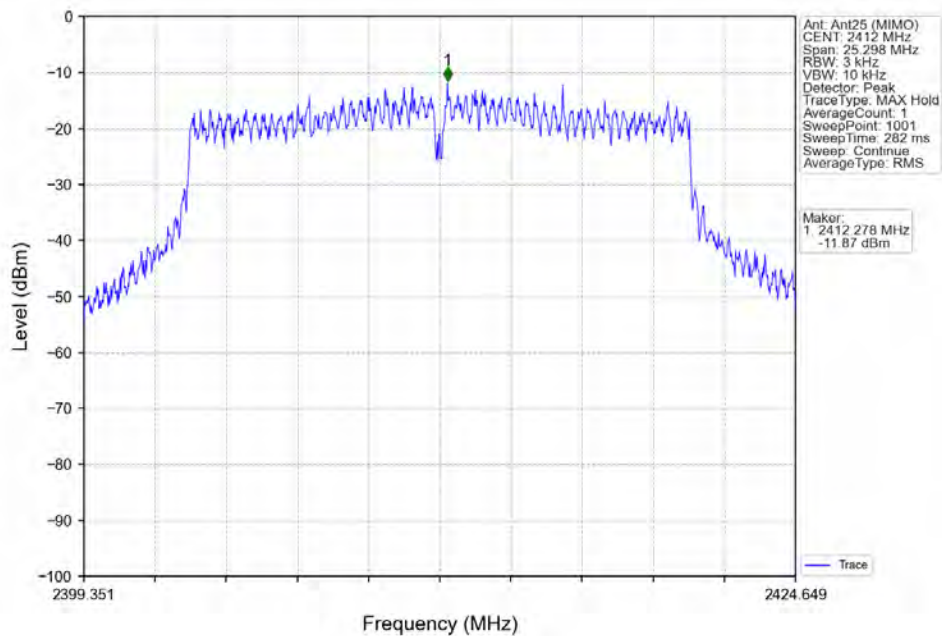
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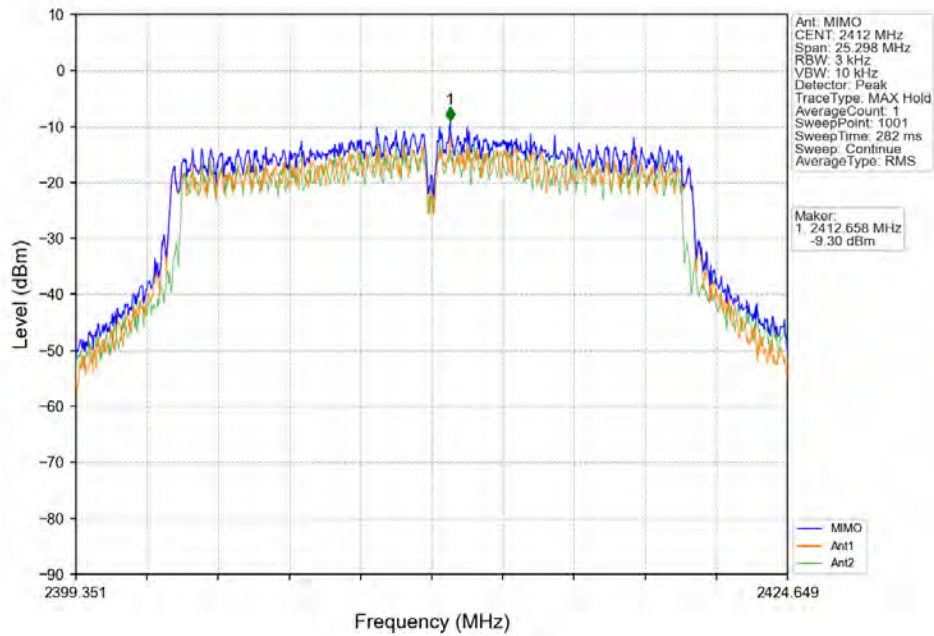
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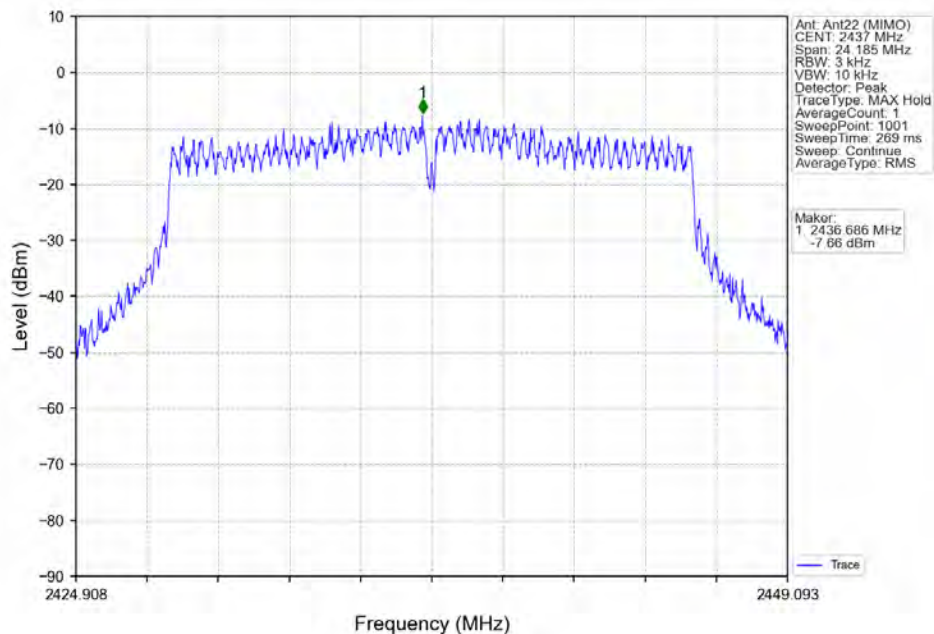
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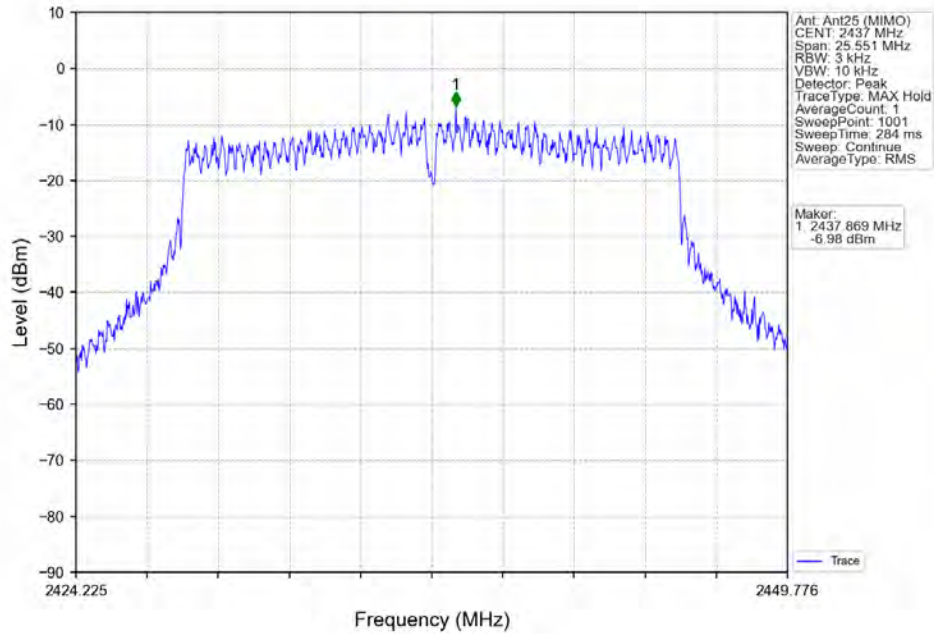
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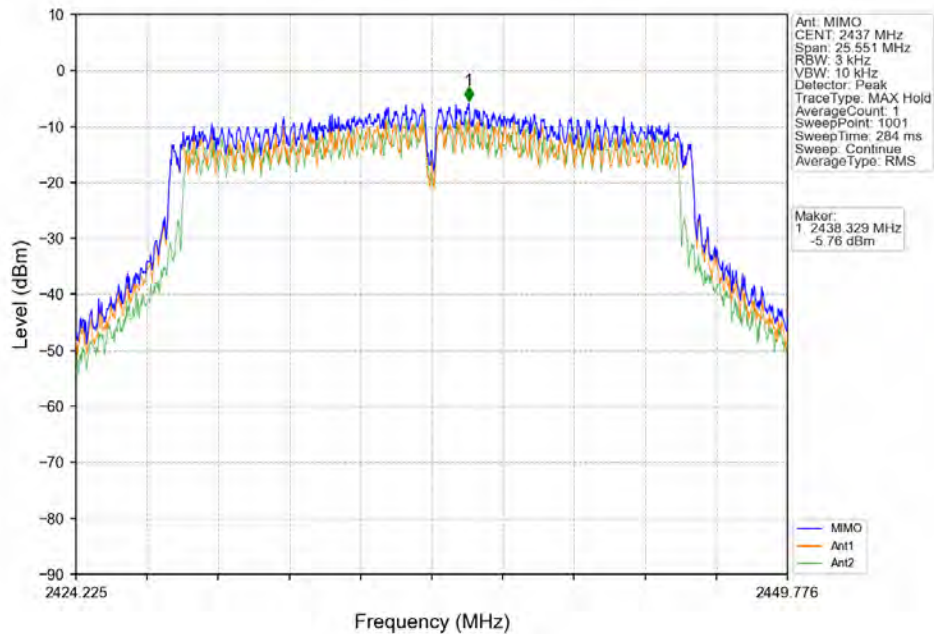
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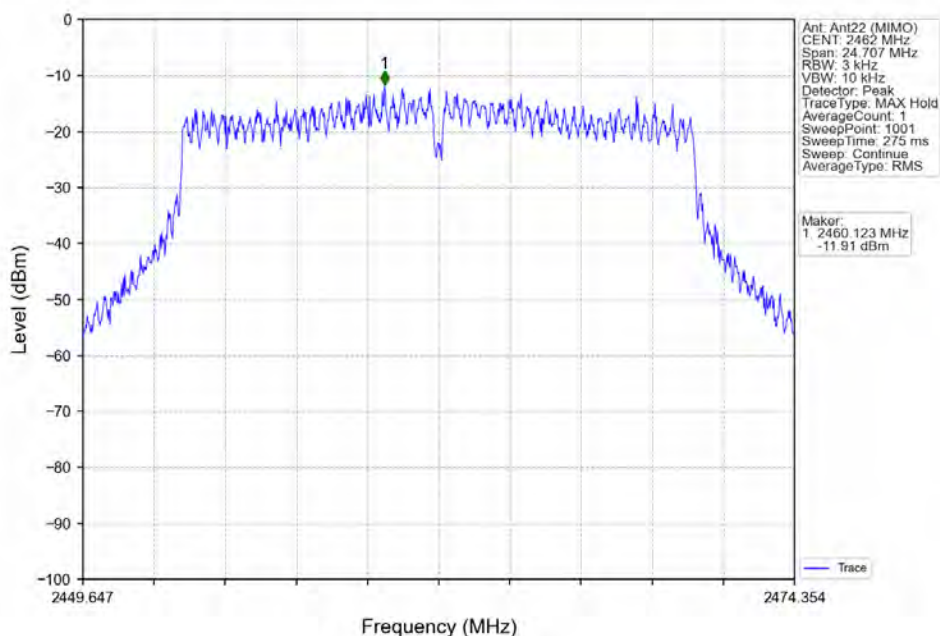
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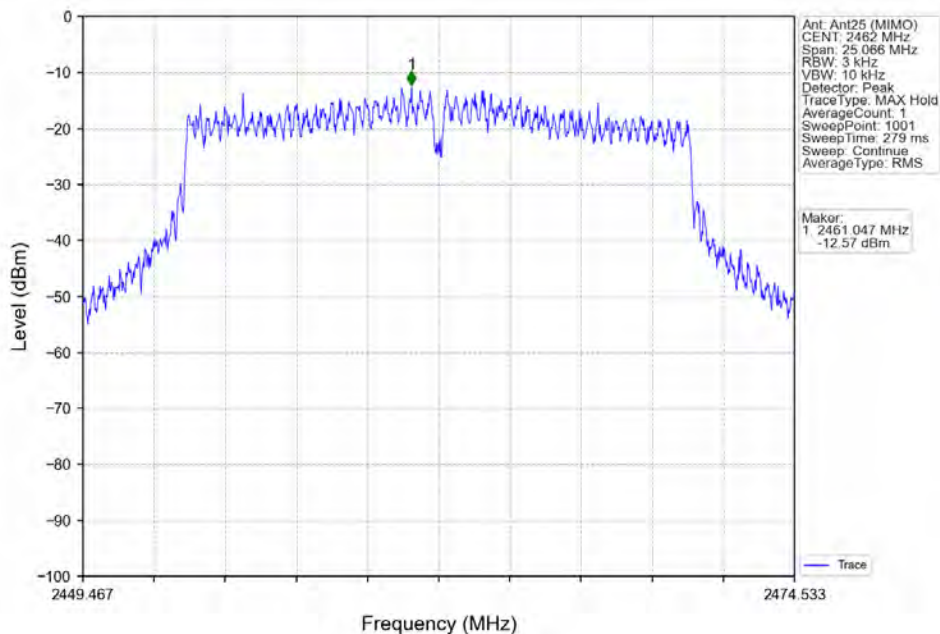
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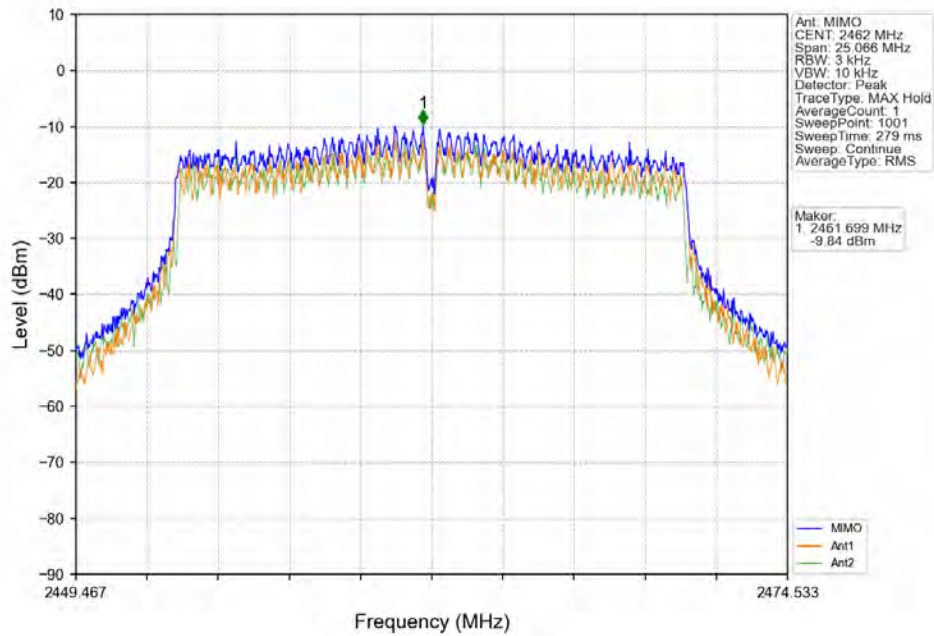
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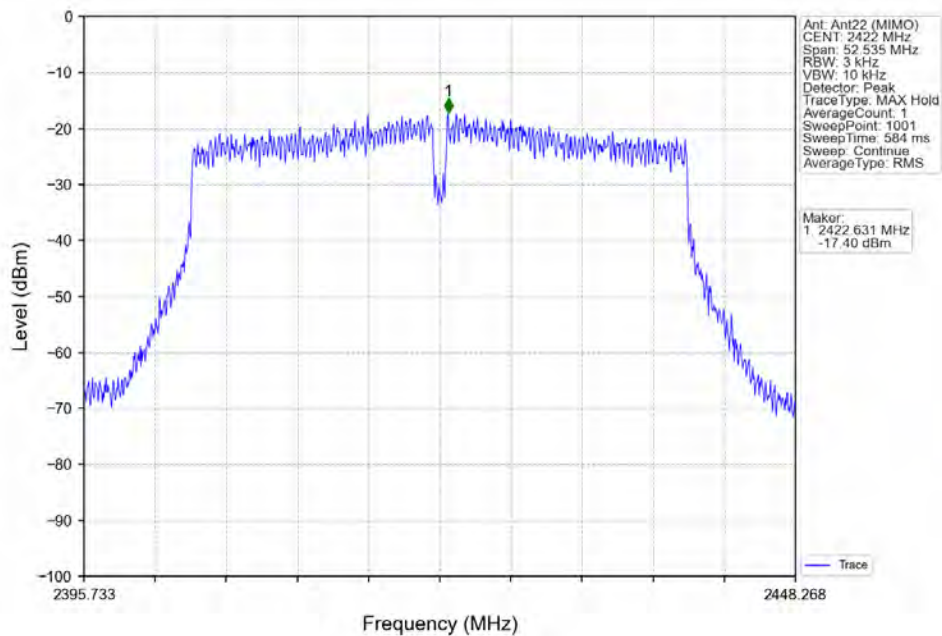
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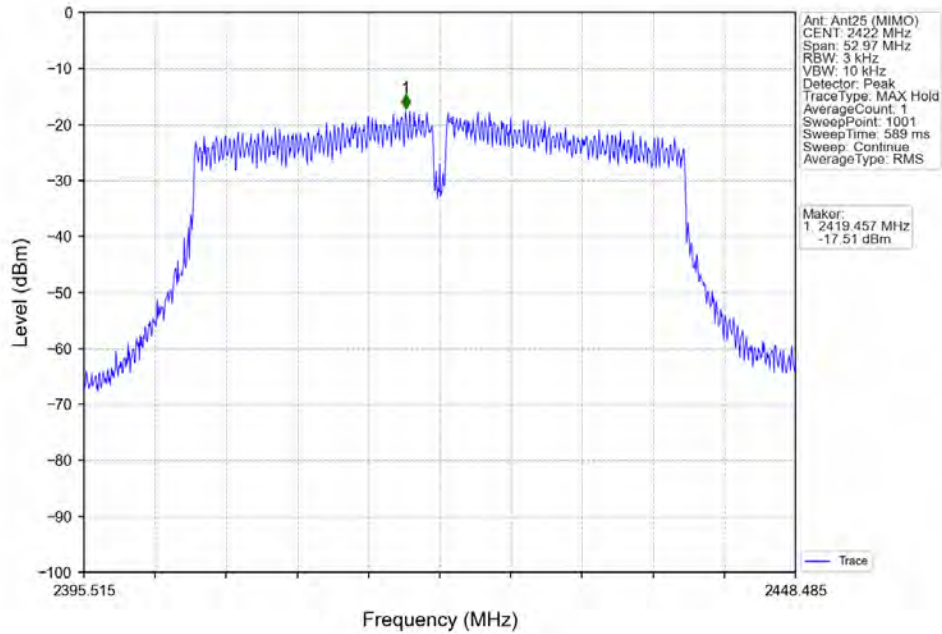
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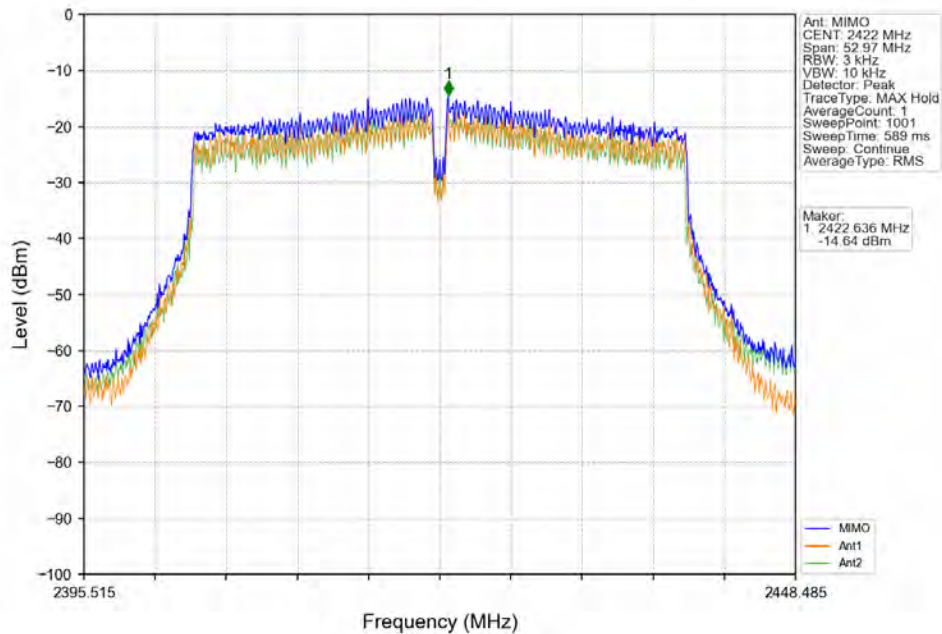
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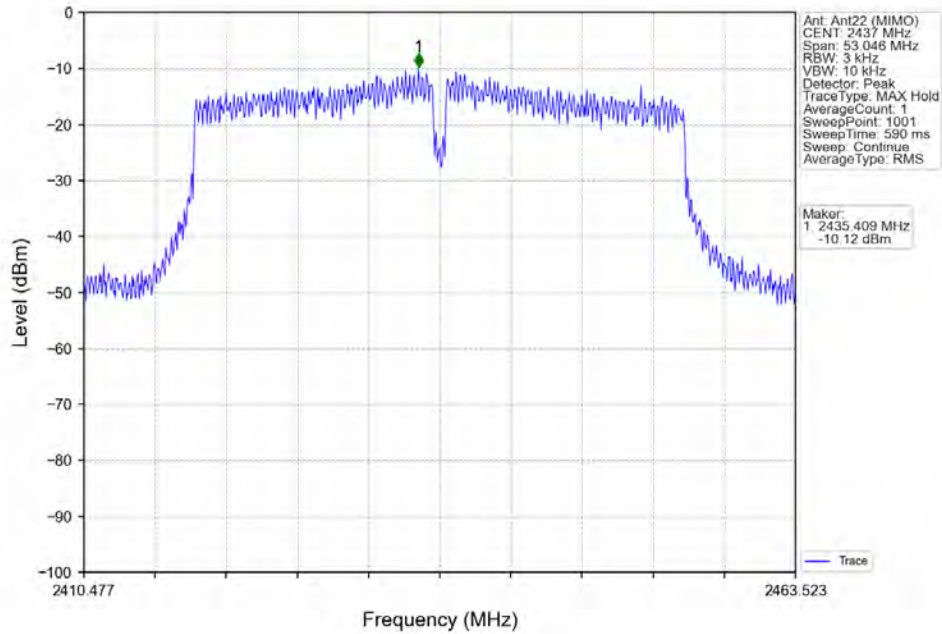
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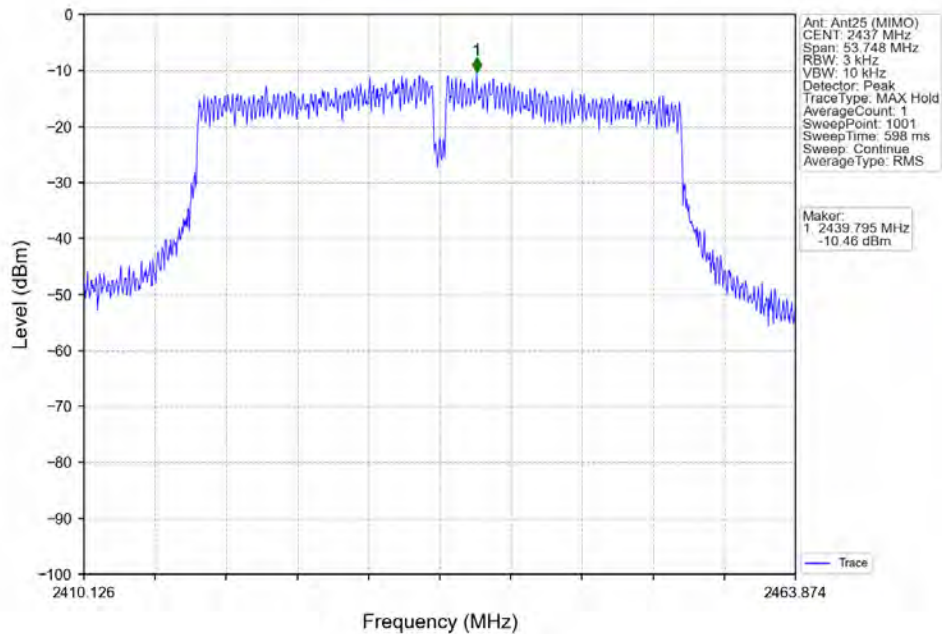
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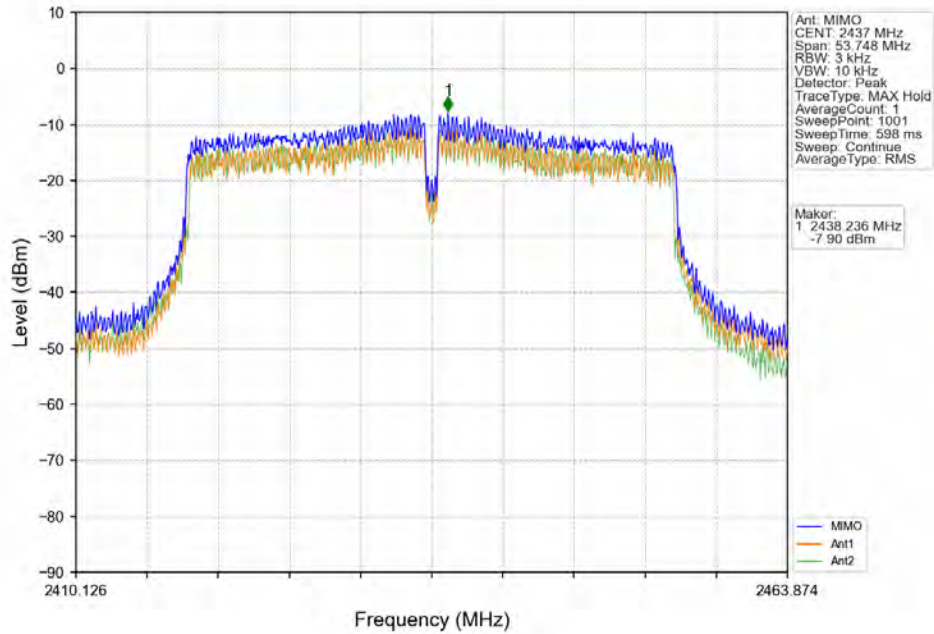
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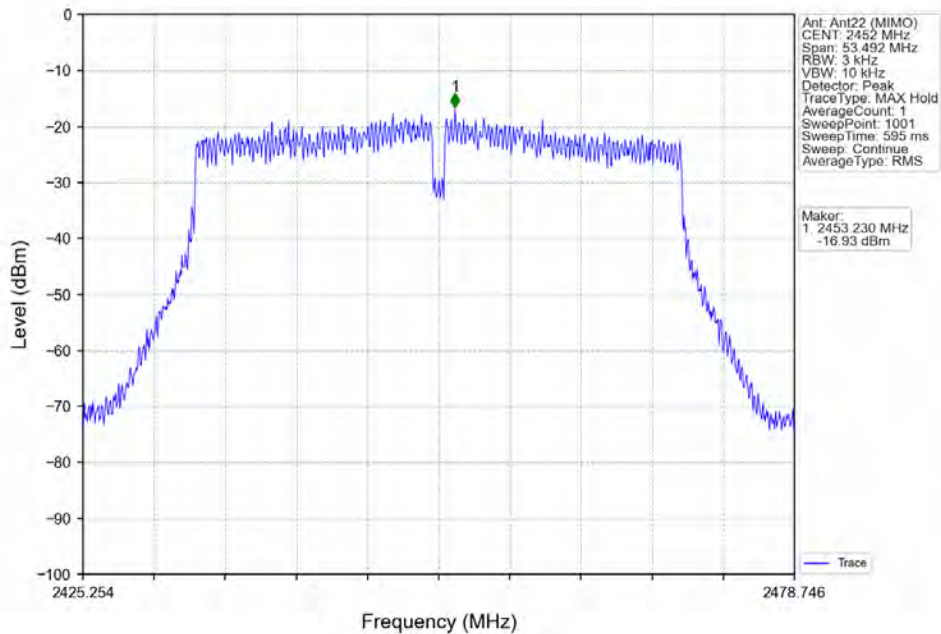
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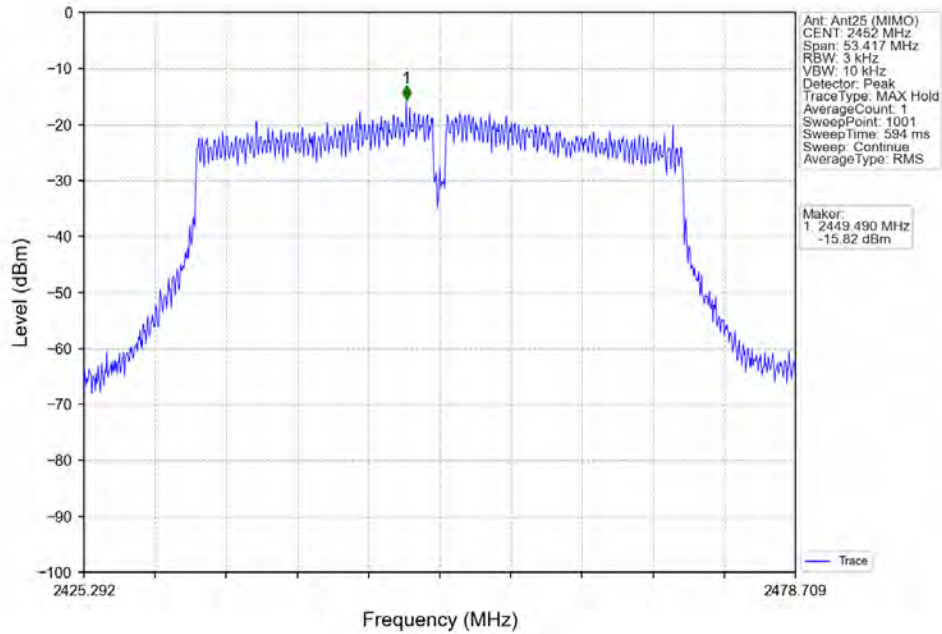
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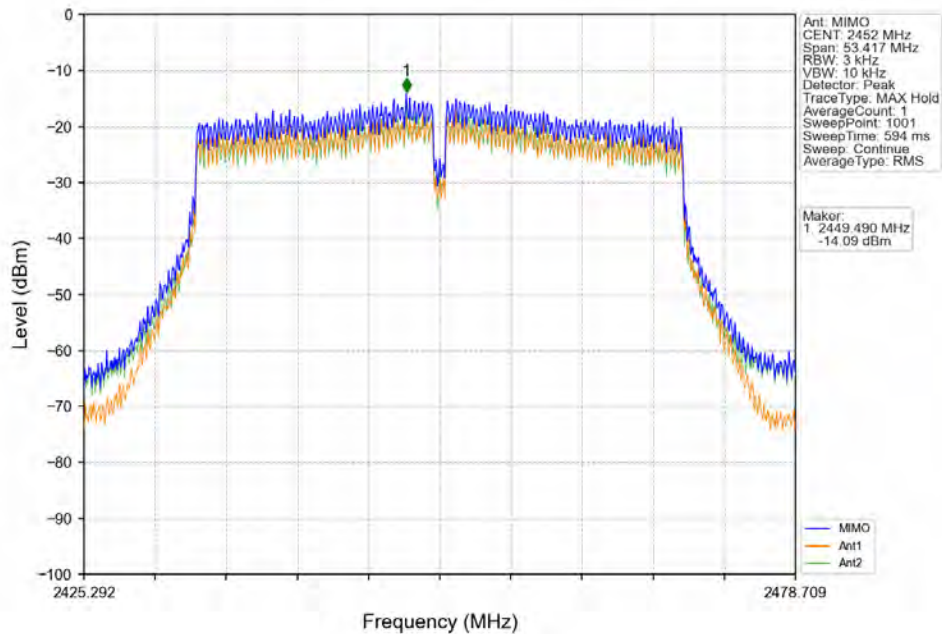
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802.11n(HT40)_HCH_2452MHz_Ant25 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



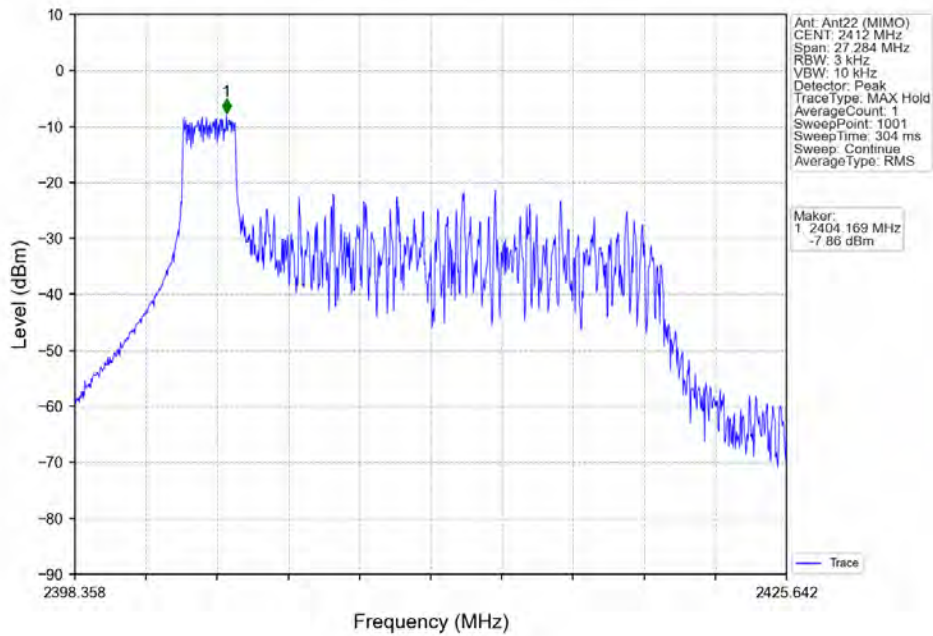
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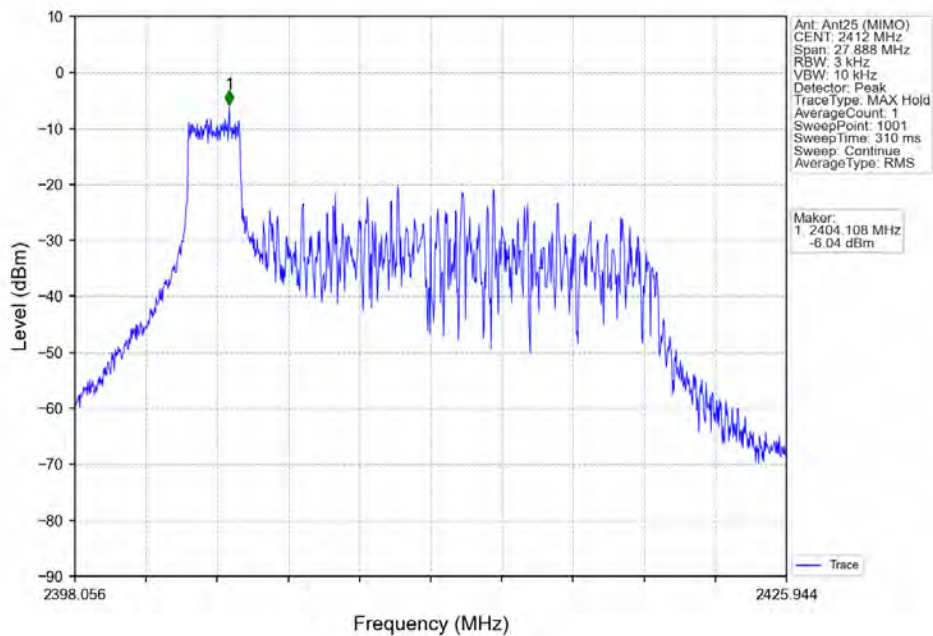
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802.11ax(HEW20) LCH 2412MHz RU26 Left Ant22 (MIMO) NTNV



802.11ax(HEW20) LCH 2412MHz RU26 Left Ant25 (MIMO) NTNV



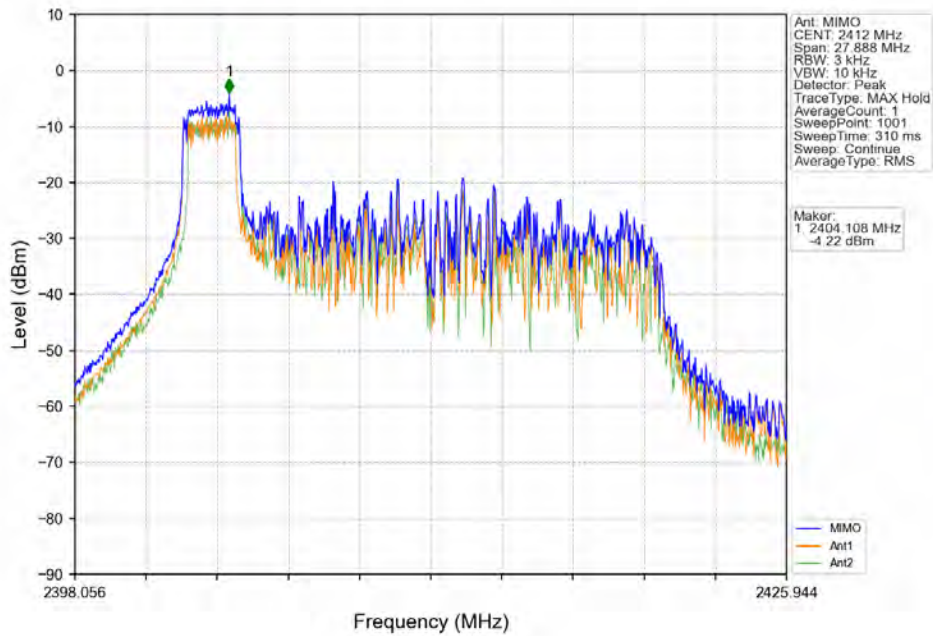
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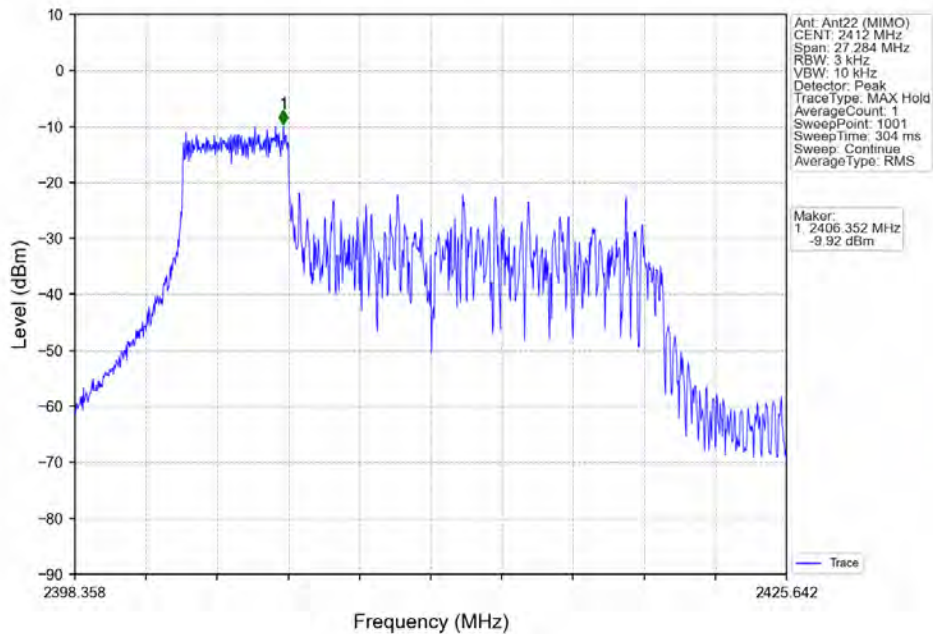
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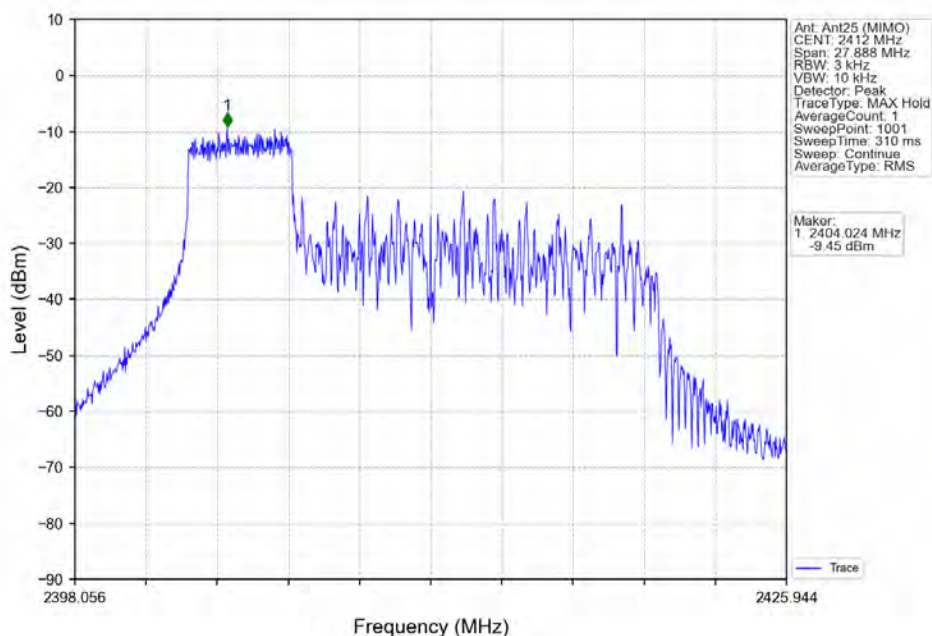
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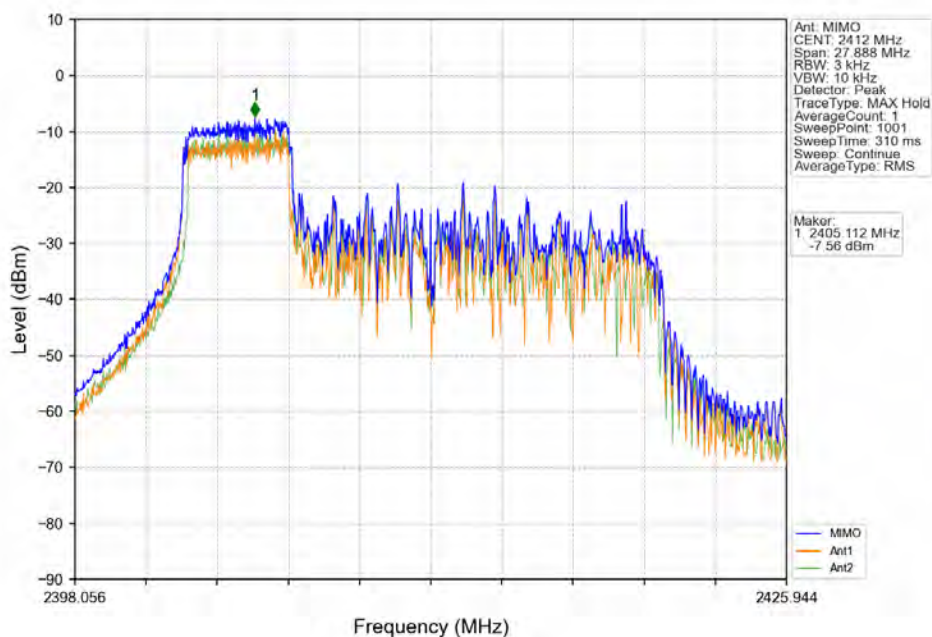
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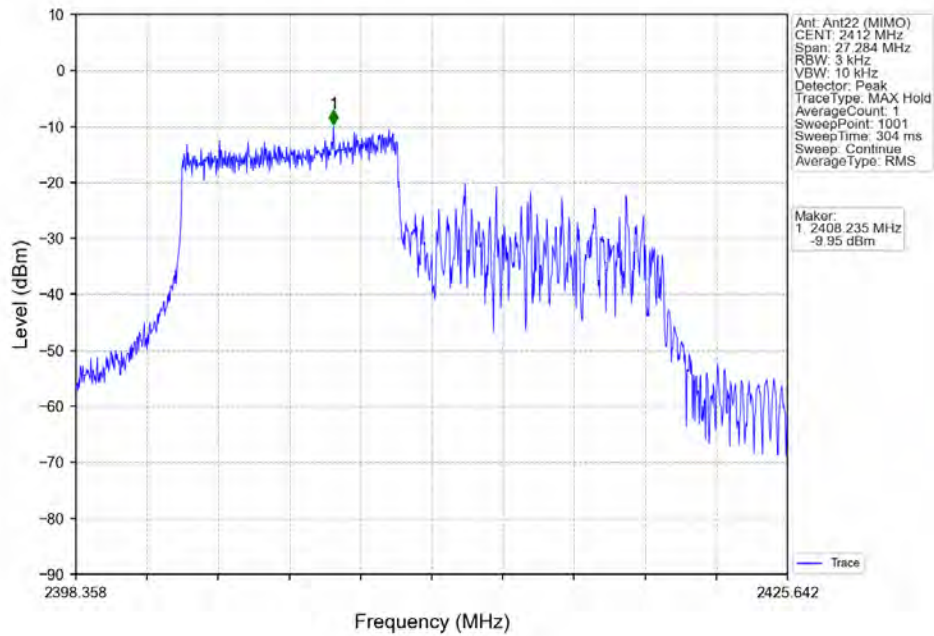
802.11ax(HEW20) LCH_2412MHz RU52 Left_Ant25 (MIMO) NTN



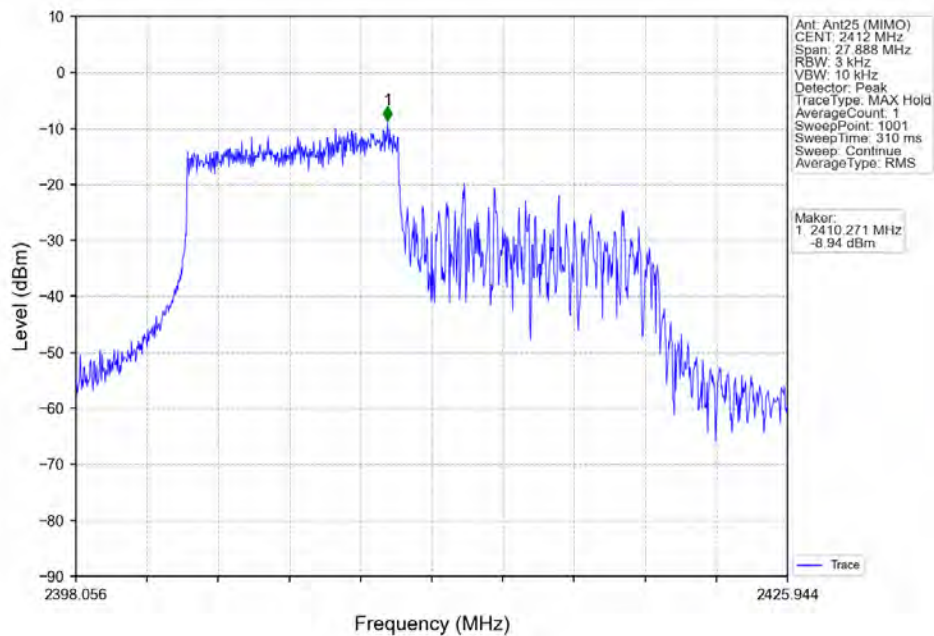
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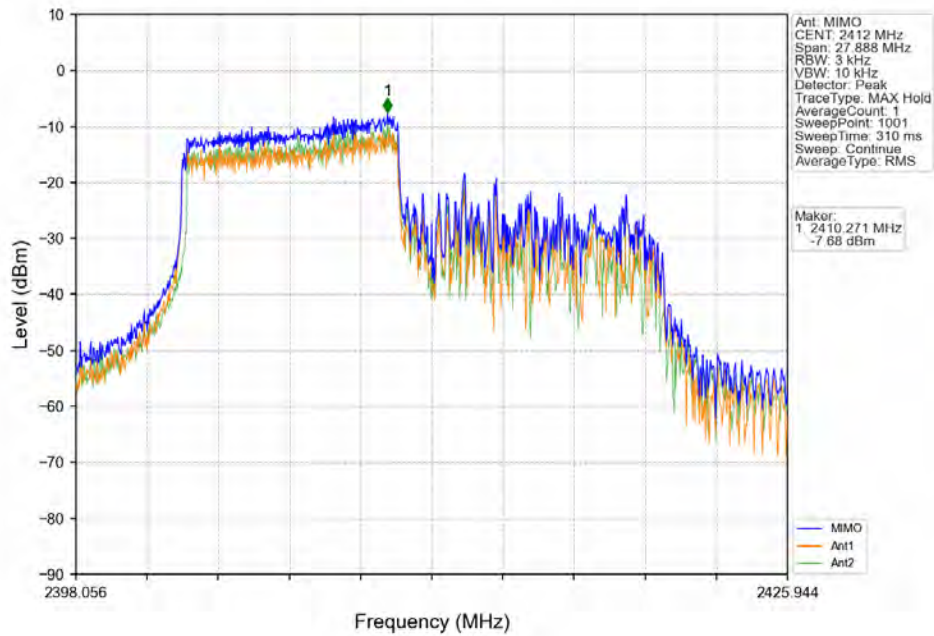
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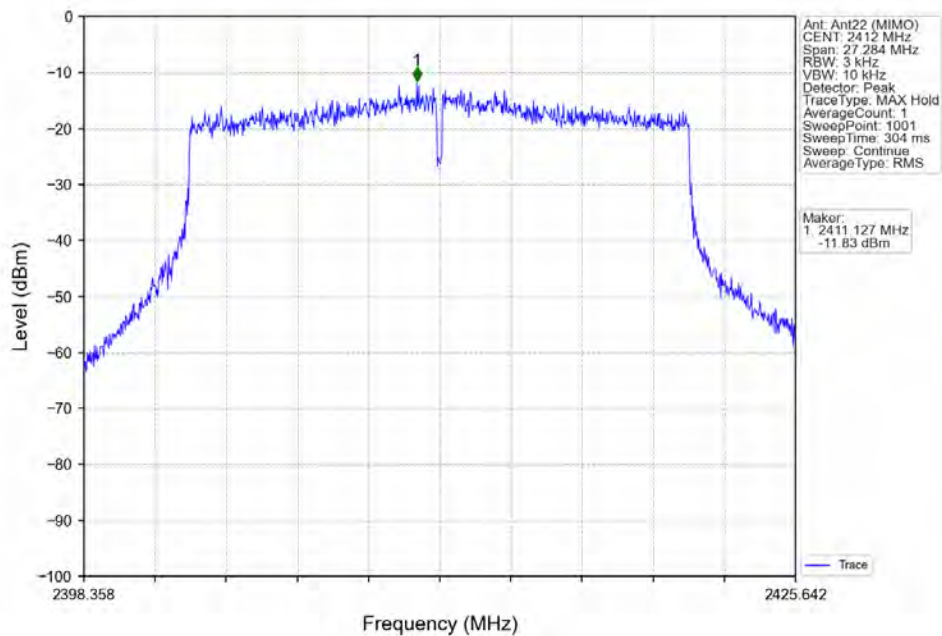
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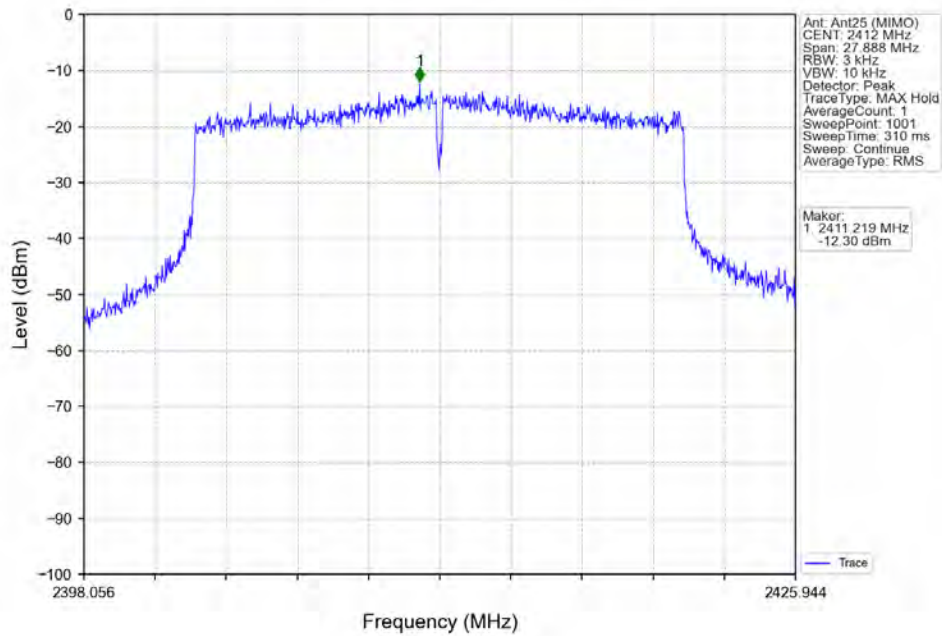
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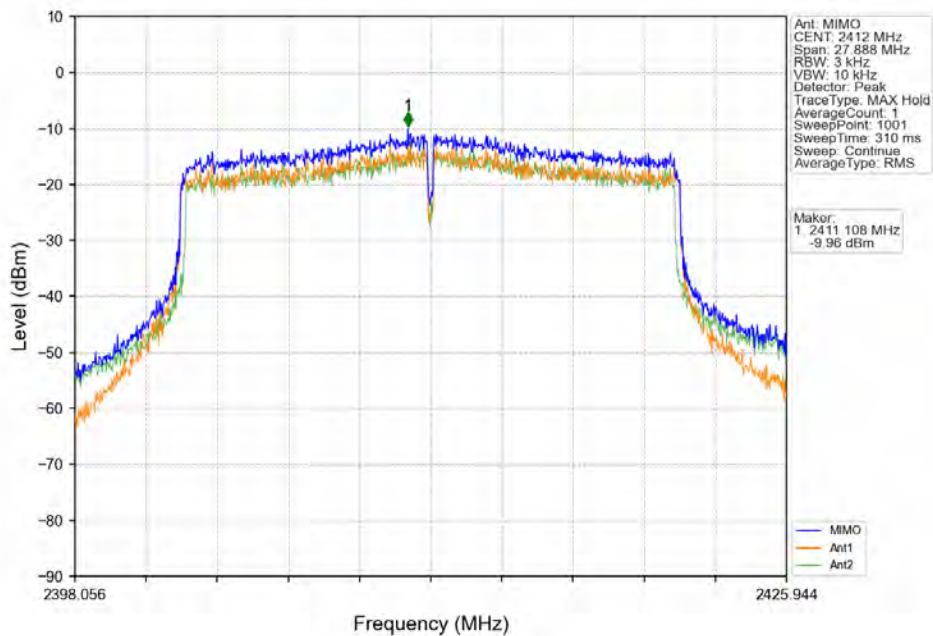
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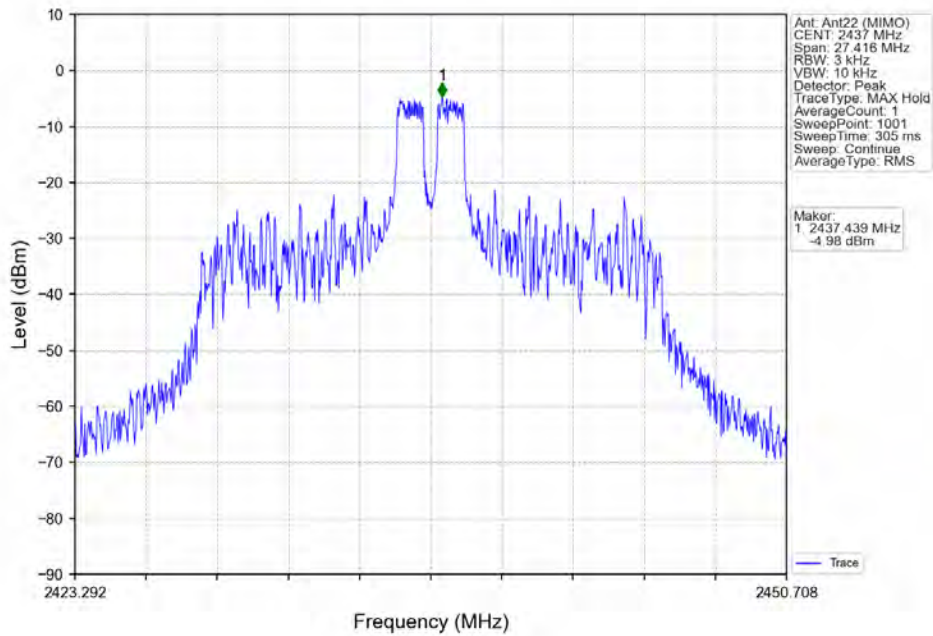
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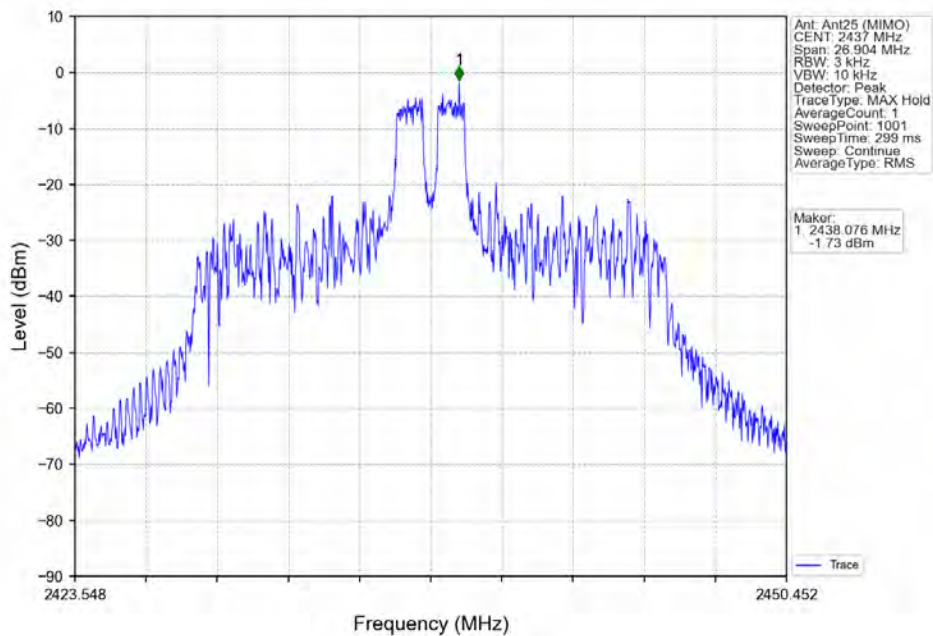
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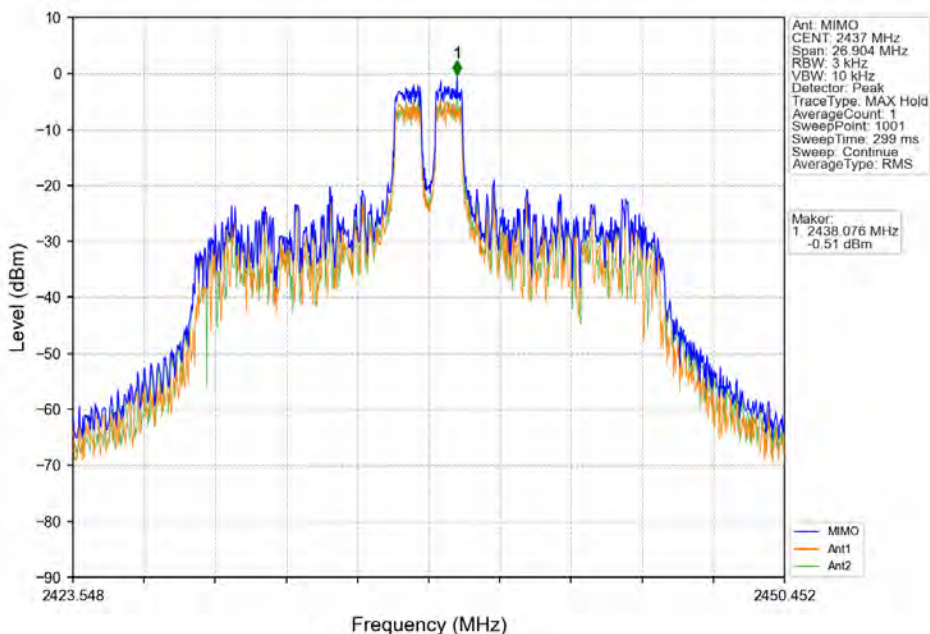
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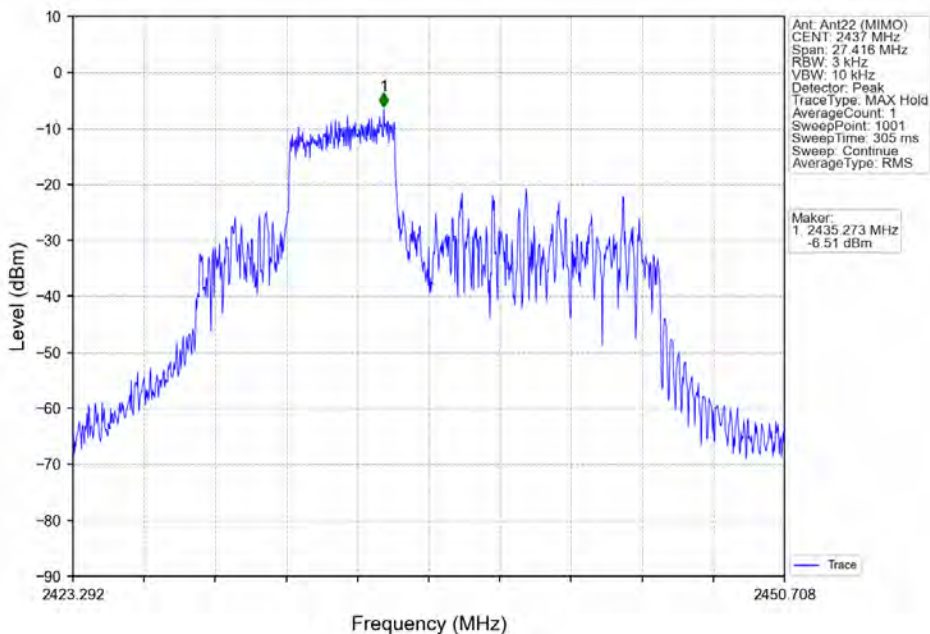
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802.11ax(HEW20) MCH 2437MHz RU26 Mid MIMO NTN



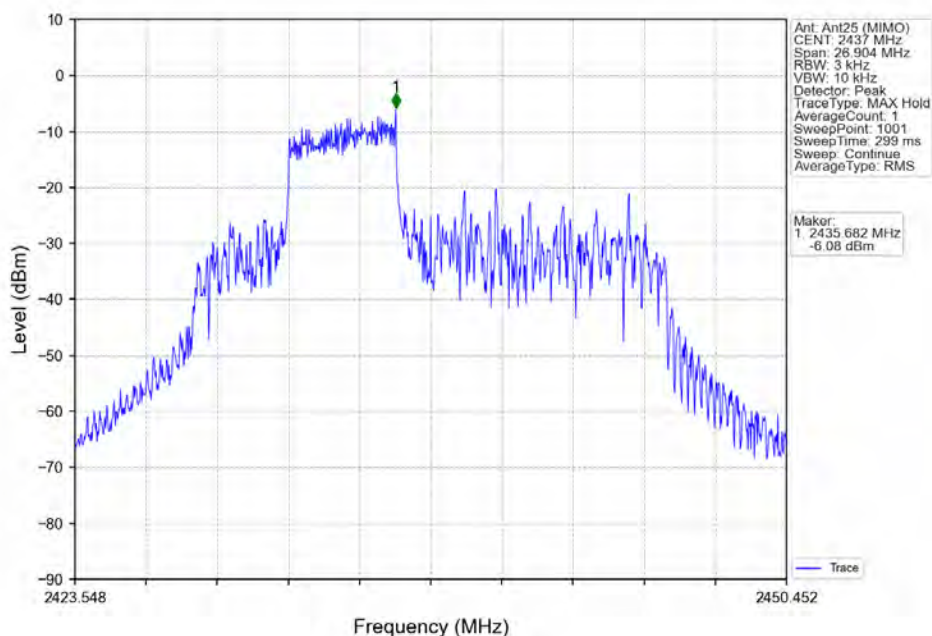
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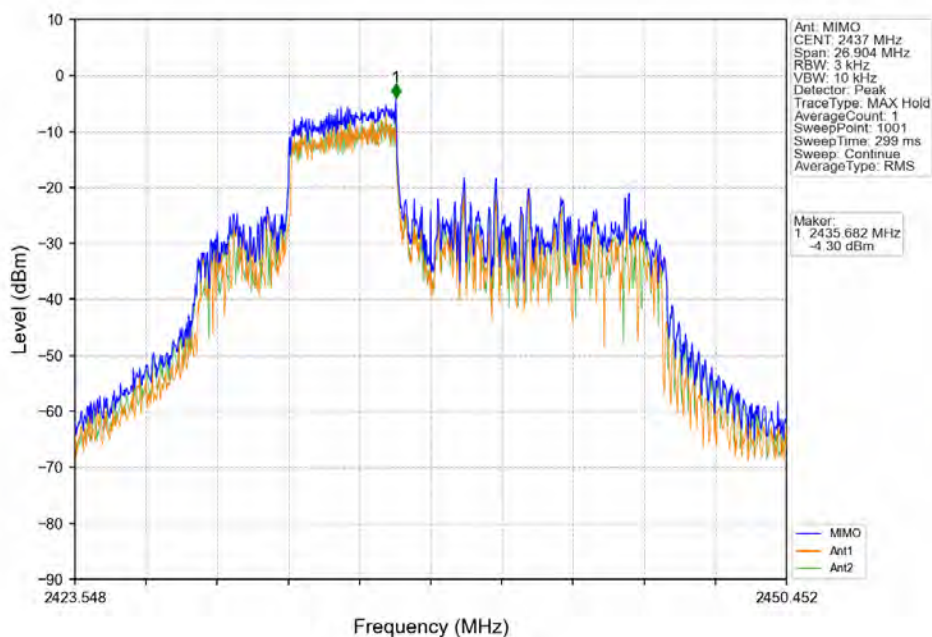
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802.11ax(HEW20) MCH 2437MHz RU52 Mid_Ant25 (MIMO) NTNV



802.11ax(HEW20) MCH 2437MHz RU52 Mid MIMO NTNV



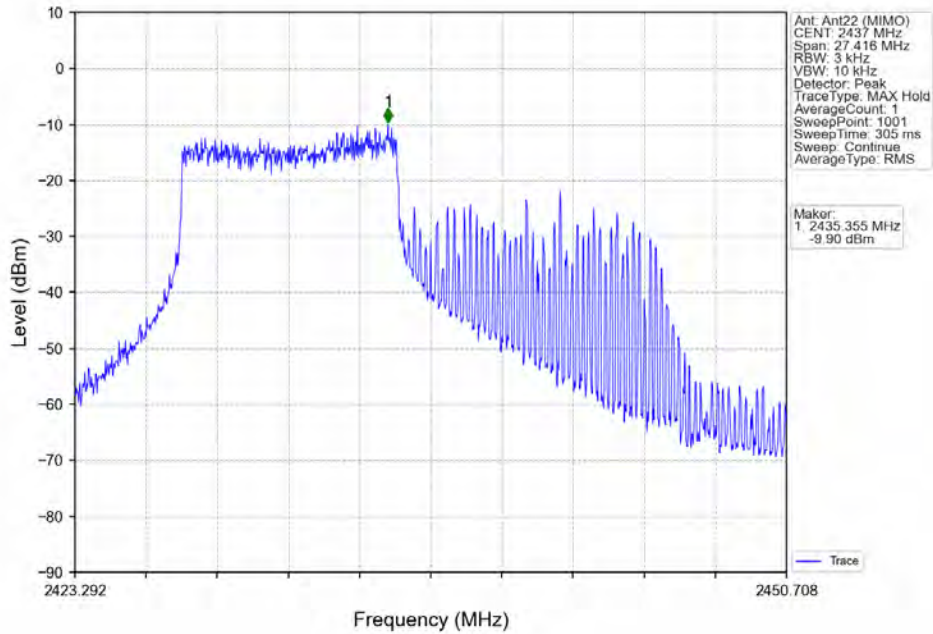
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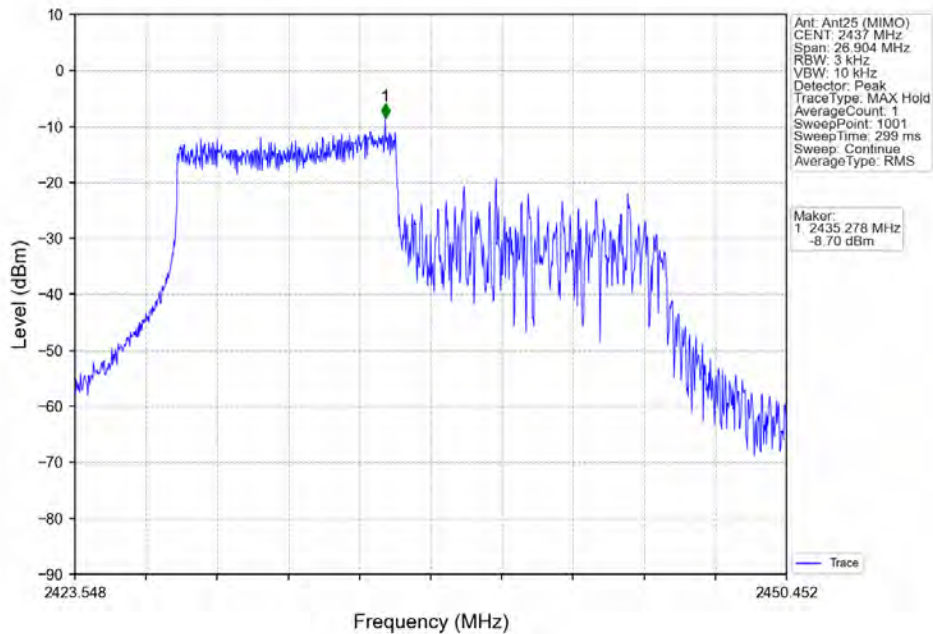
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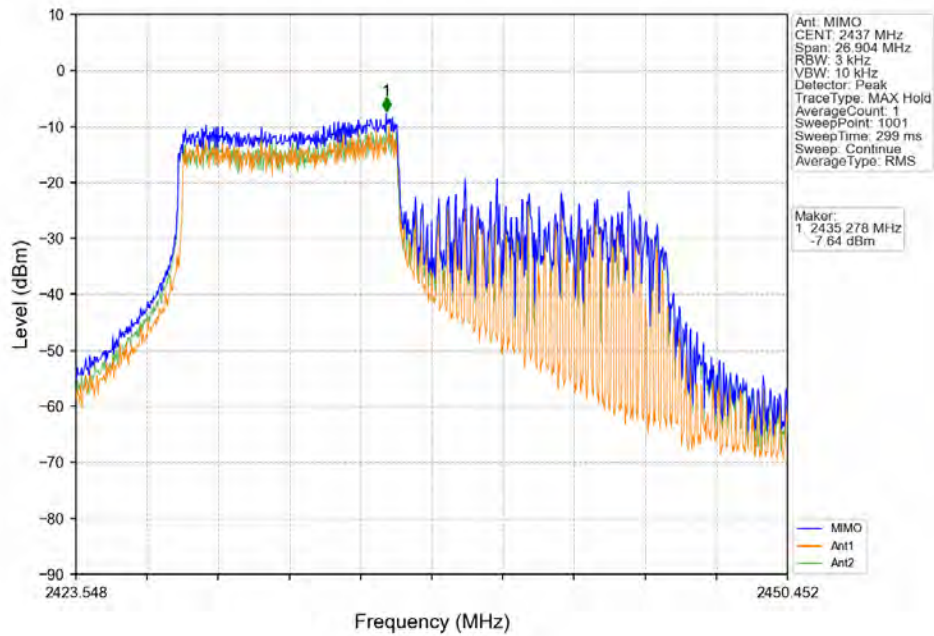
802.11ax(HEW20) MCH 2437MHz RU106 Left Ant22 (MIMO) NTVN



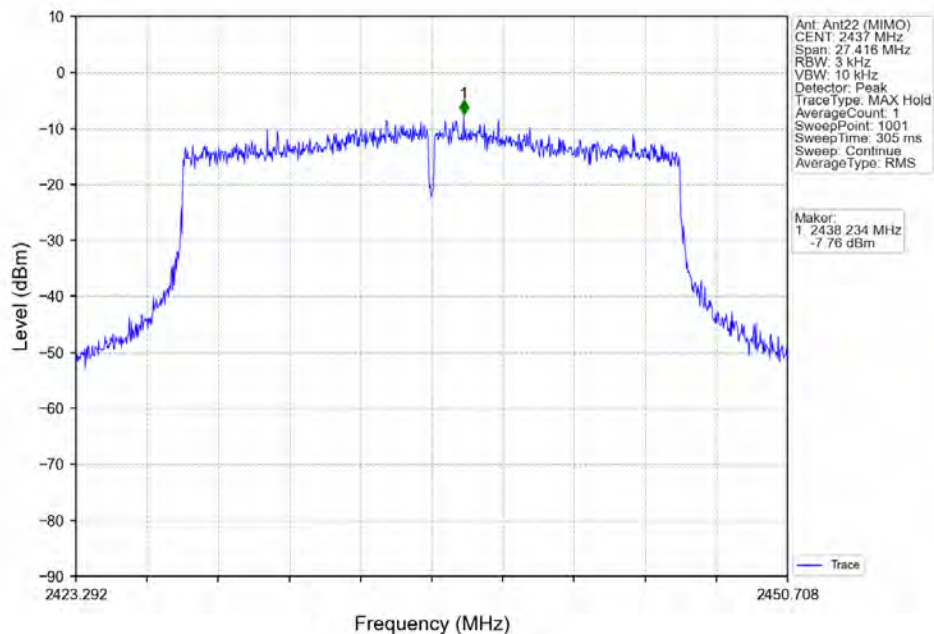
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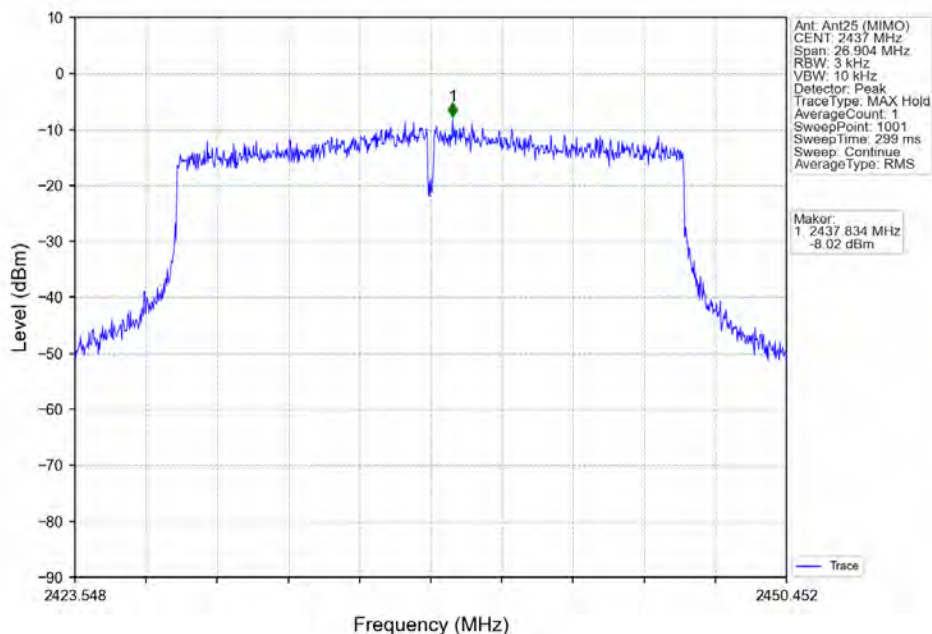
802.11ax(HEW20) MCH_2437MHz RU106 Left MIMO NTN



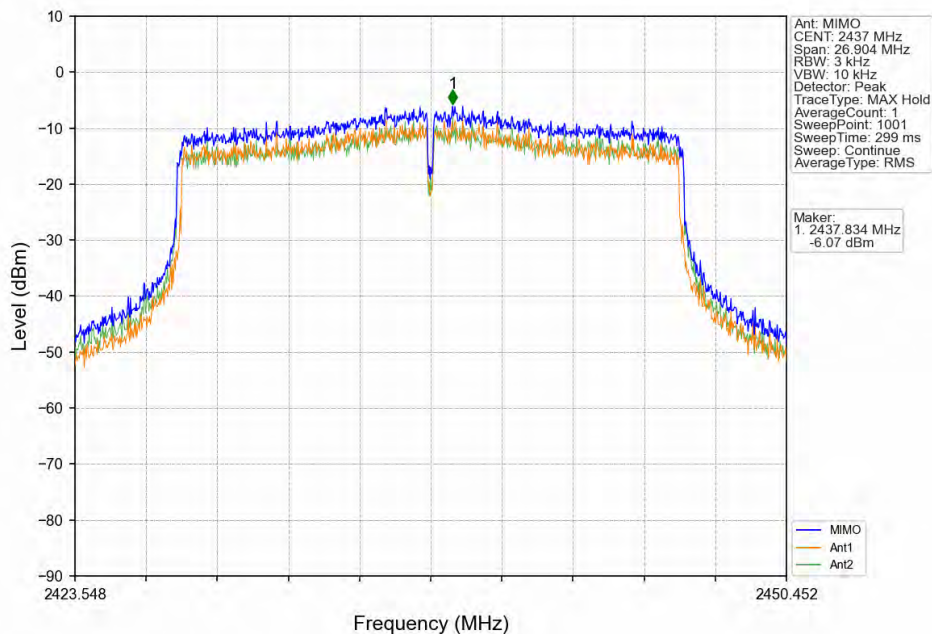
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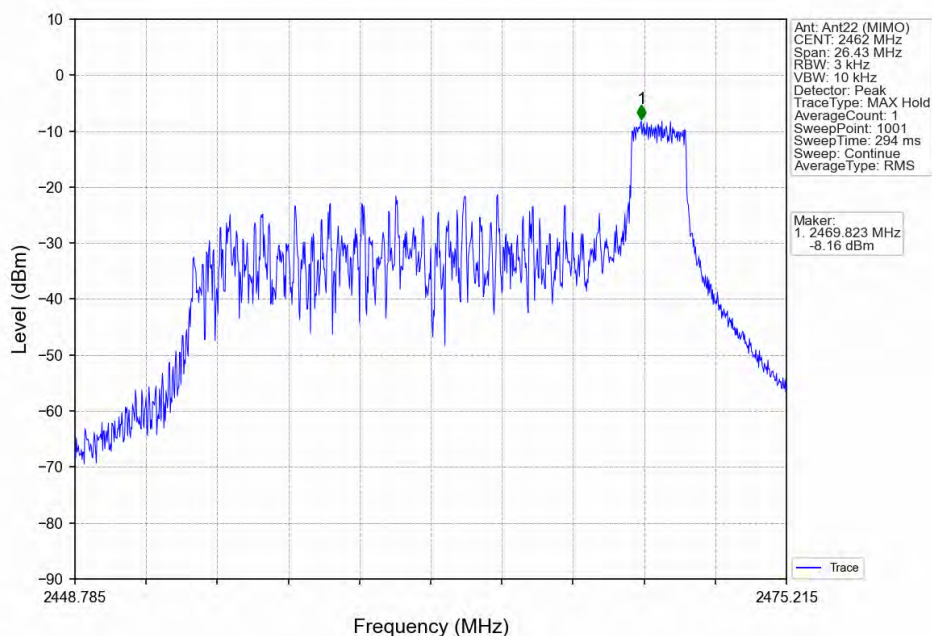
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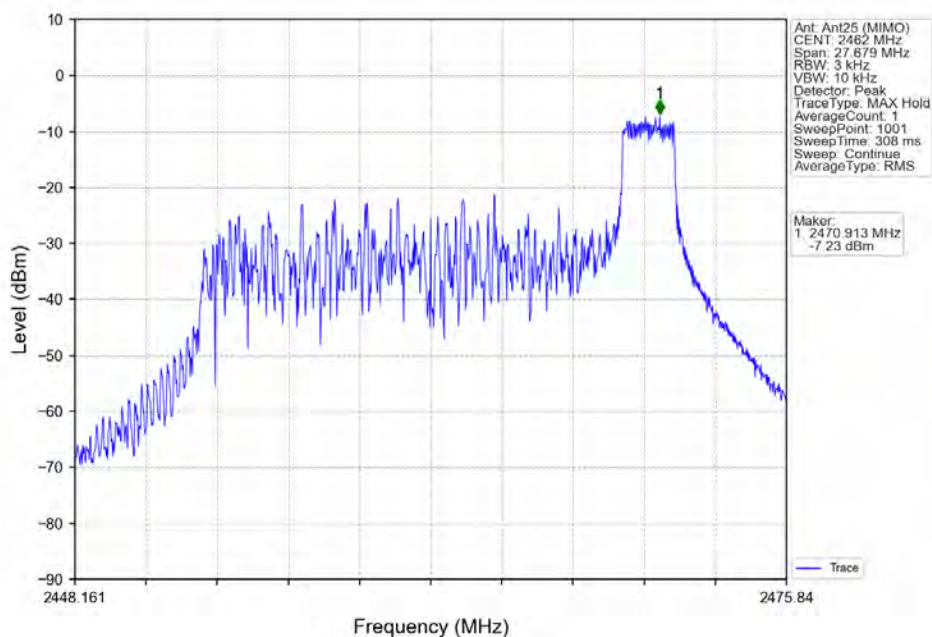
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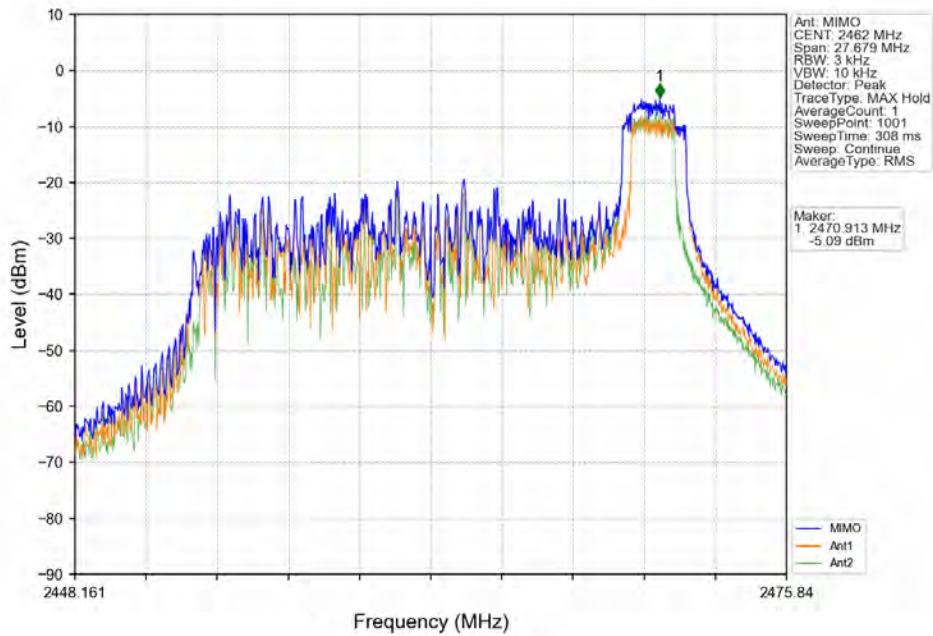
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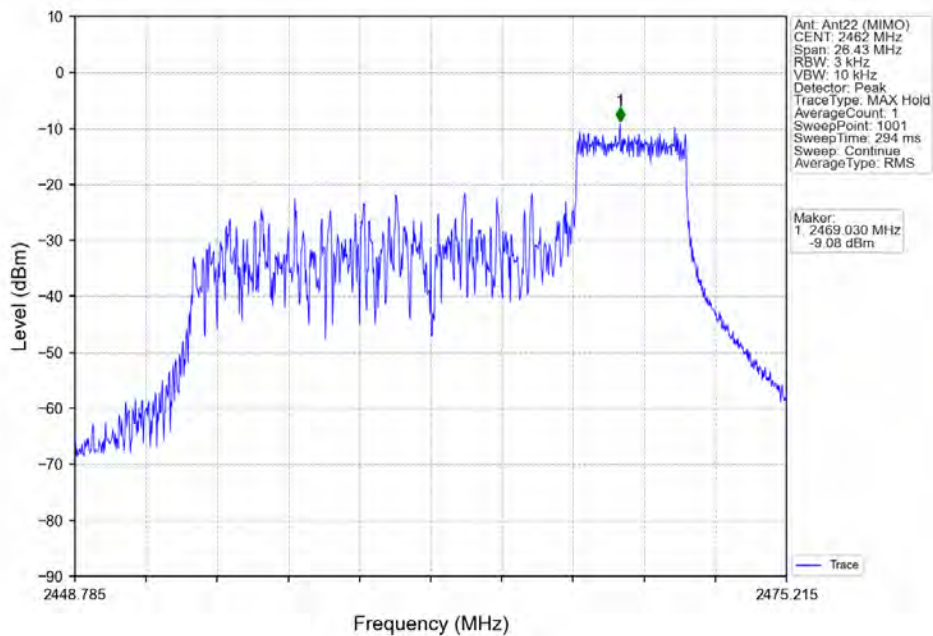
802.11ax(HEW20) HCH 2462MHz RU26_Right_Ant25 (MIMO) NTV



802.11ax(HEW20) HCH_2462MHz_RU26_Right_MIMO_NTNV



802.11ax(HEW20) HCH_2462MHz_RU52_Right_Ant22 (MIMO)_NTNV



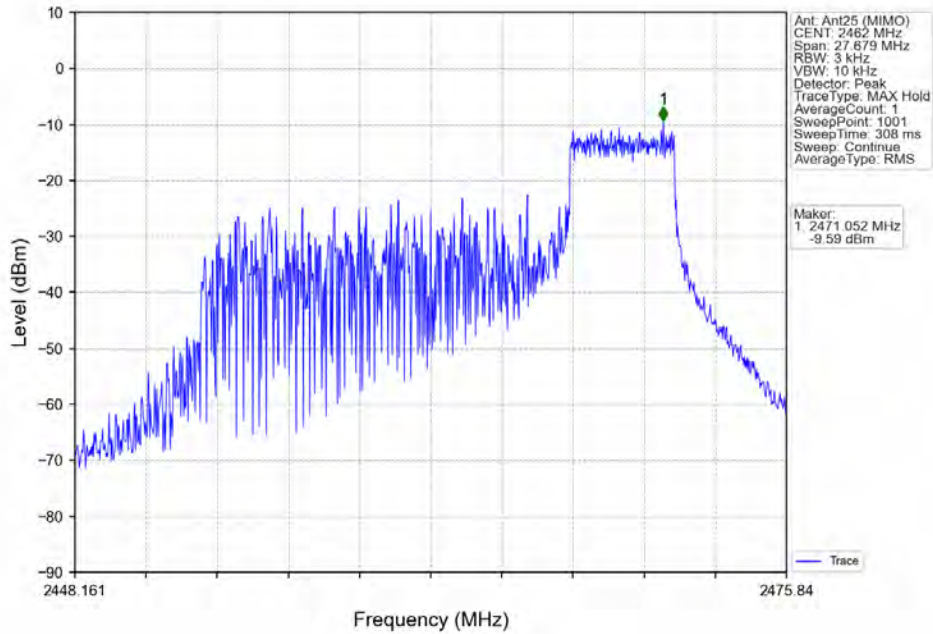
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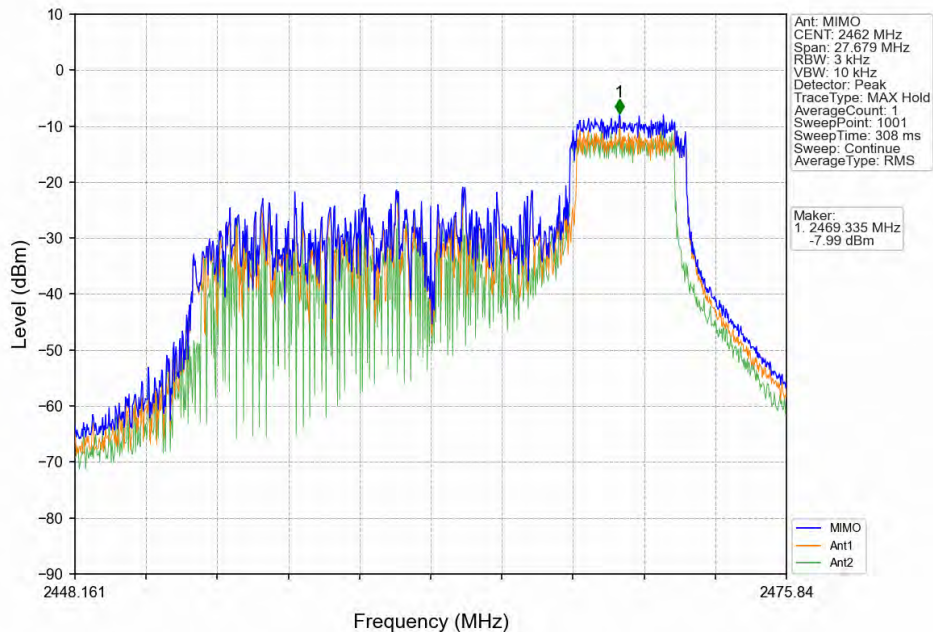
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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

802.11ax(HEW20) HCH 2462MHz RU52 Right Ant25 (MIMO) NTN



802.11ax(HEW20) HCH 2462MHz RU52 Right MIMO NTN



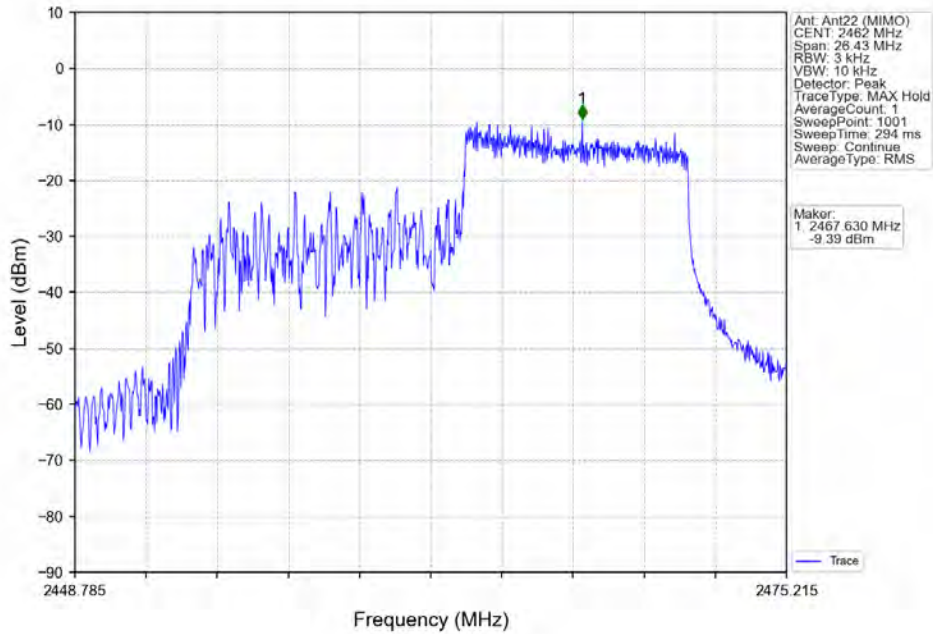
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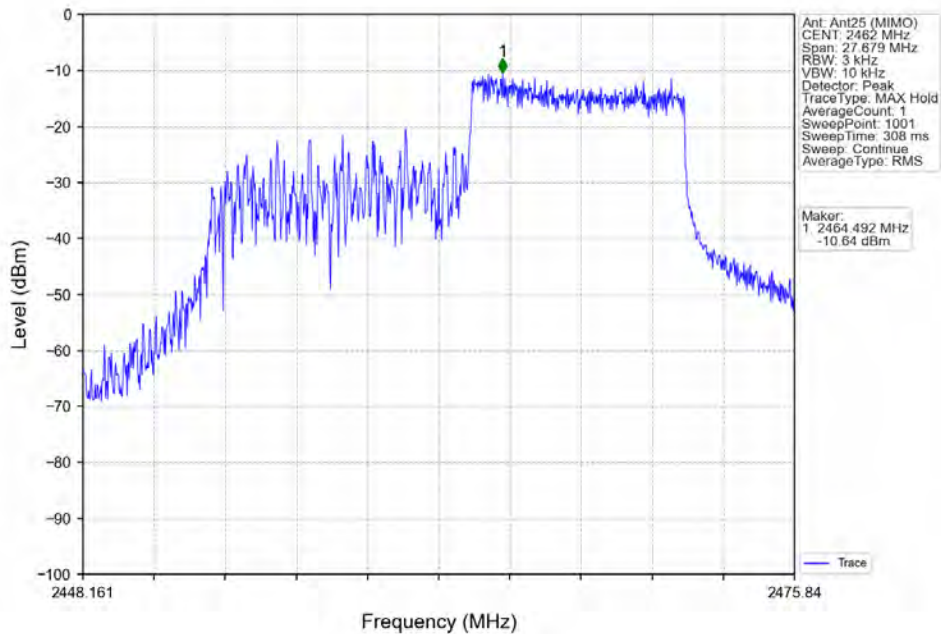
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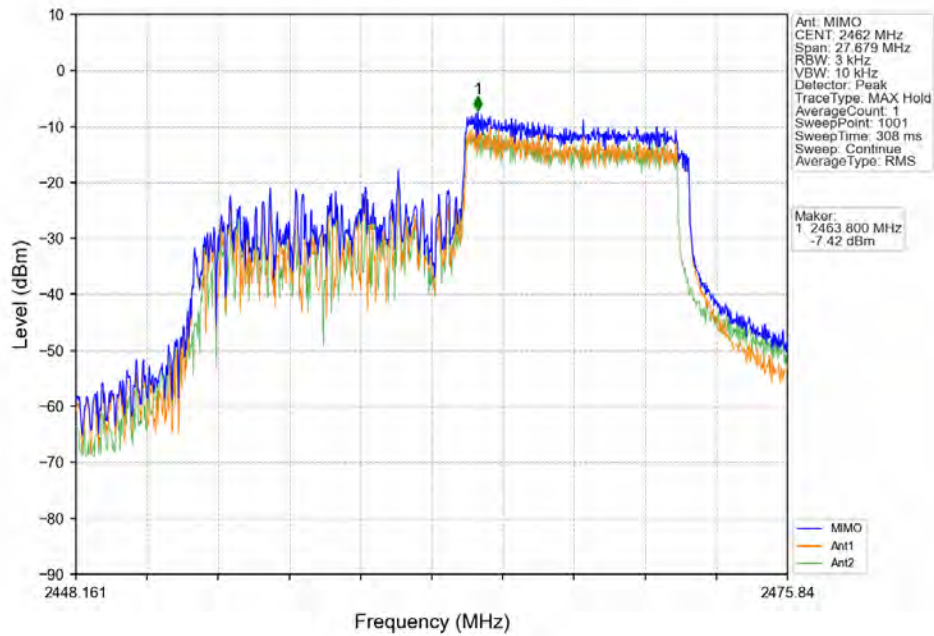
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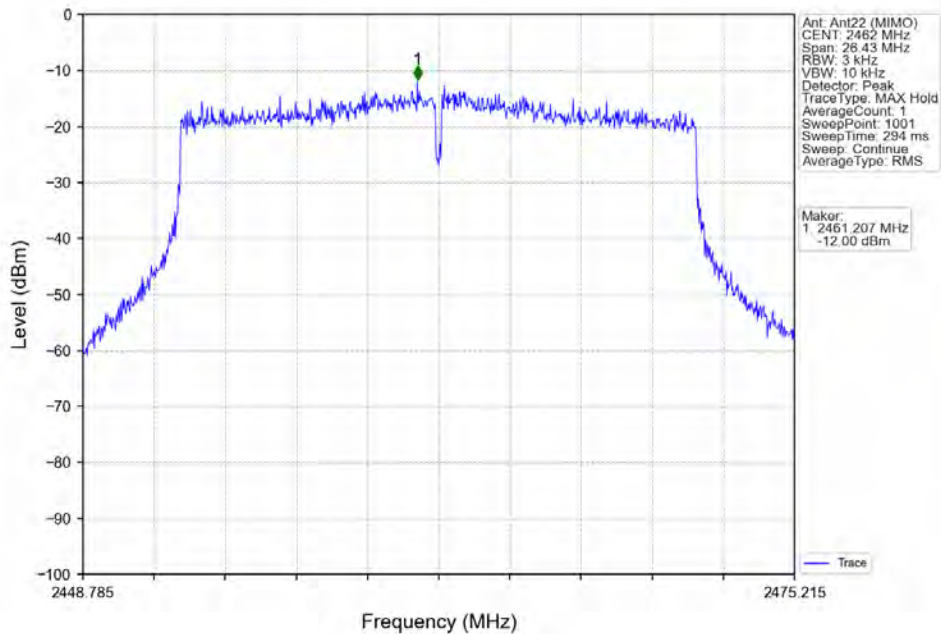
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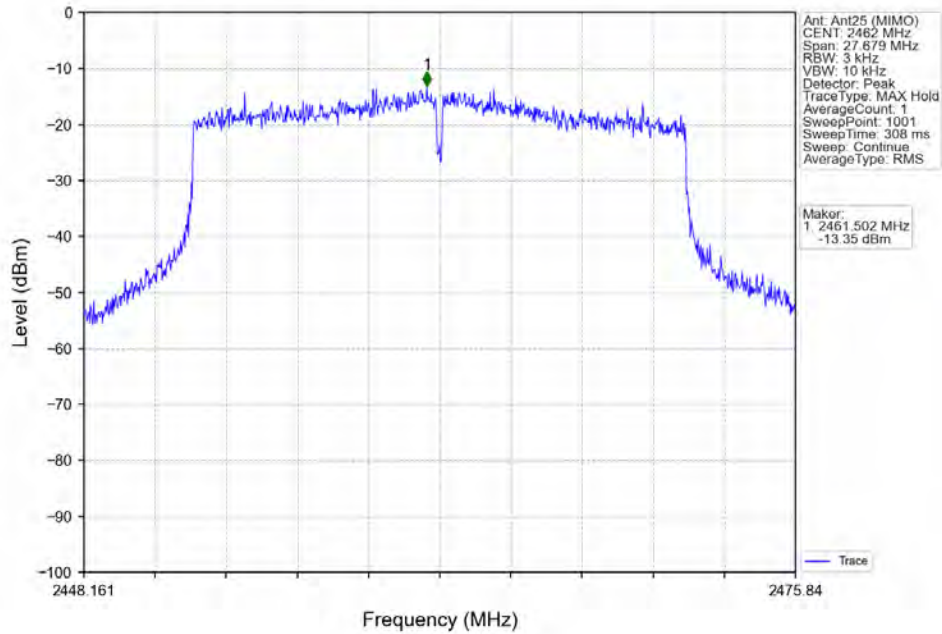
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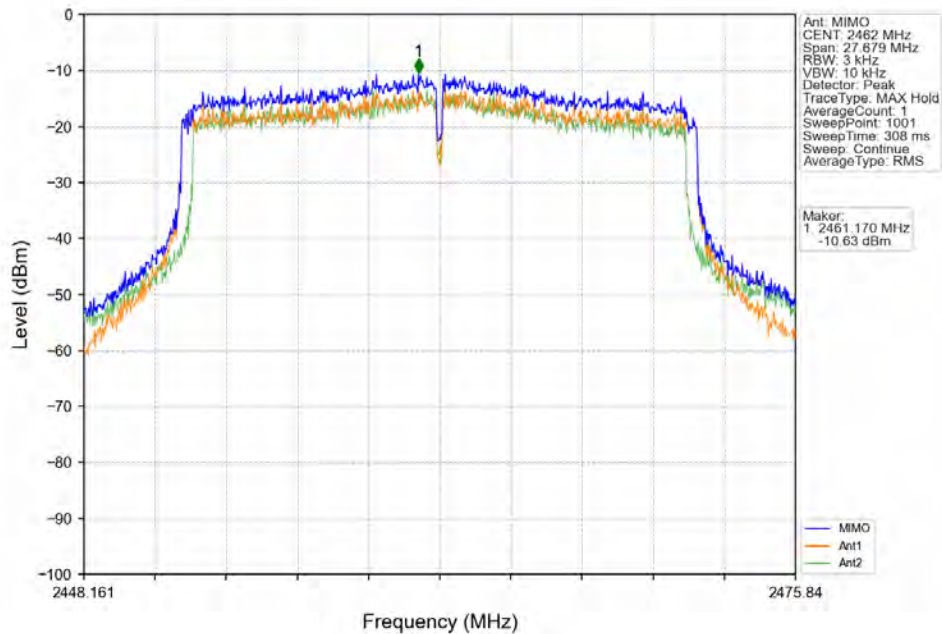
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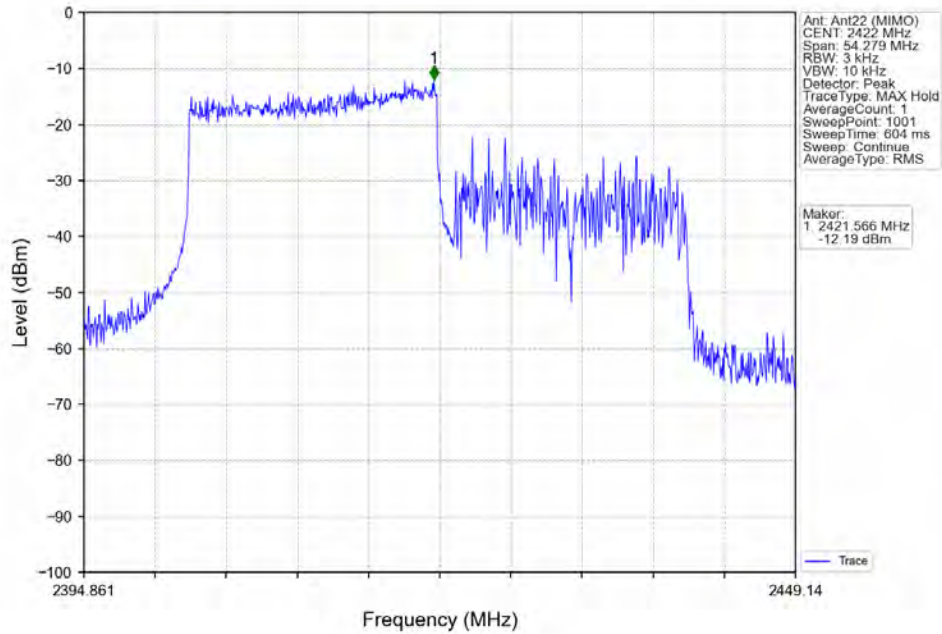
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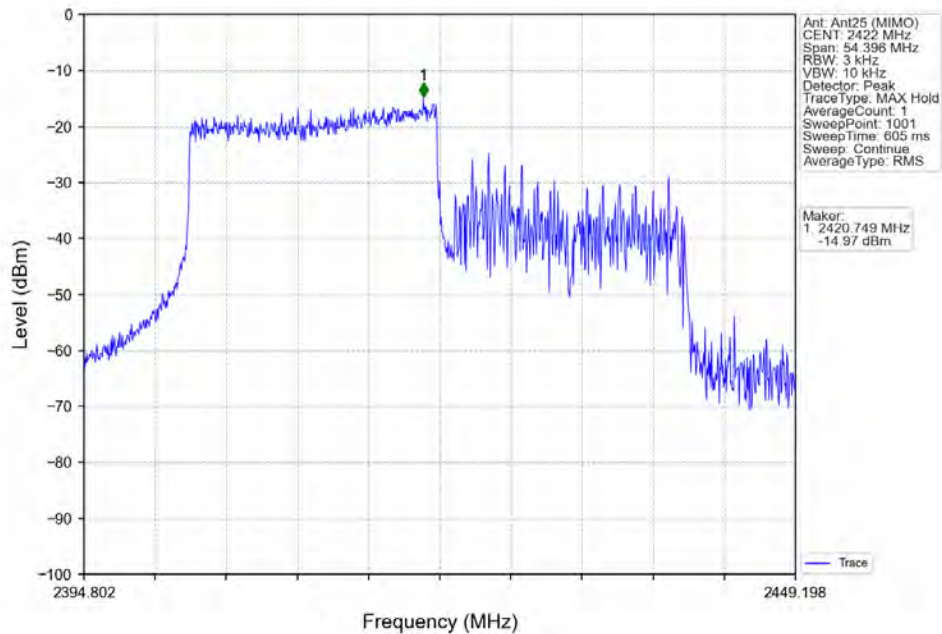
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802.11ax(HEW40) LCH_2422MHz_RU242_Left_Ant22 (MIMO) NTNV



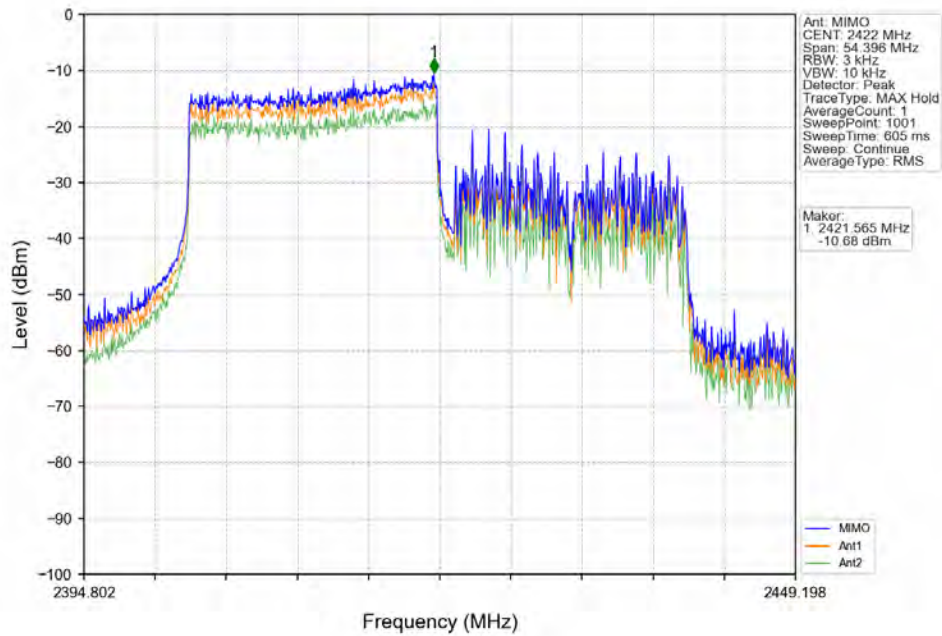
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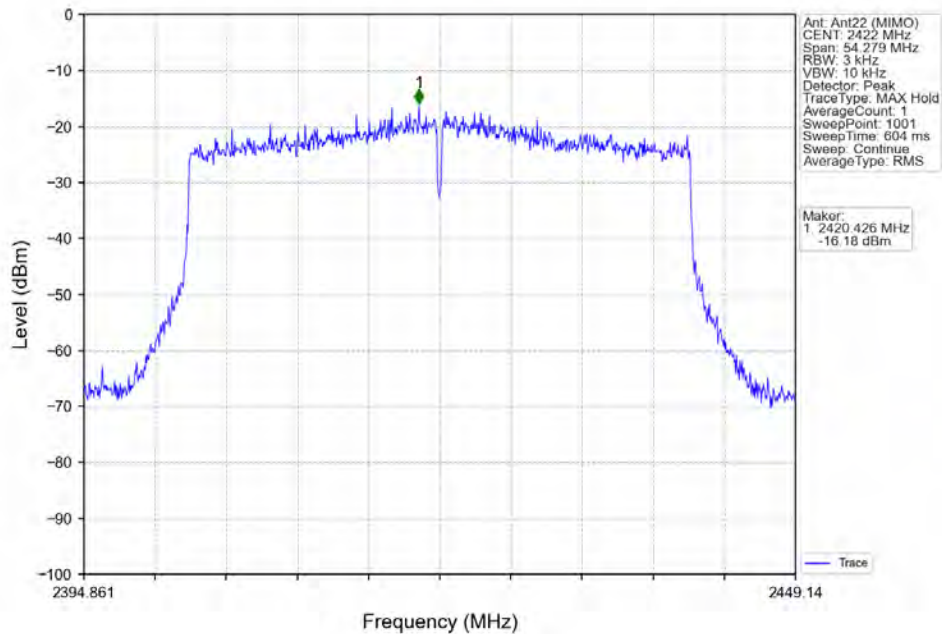
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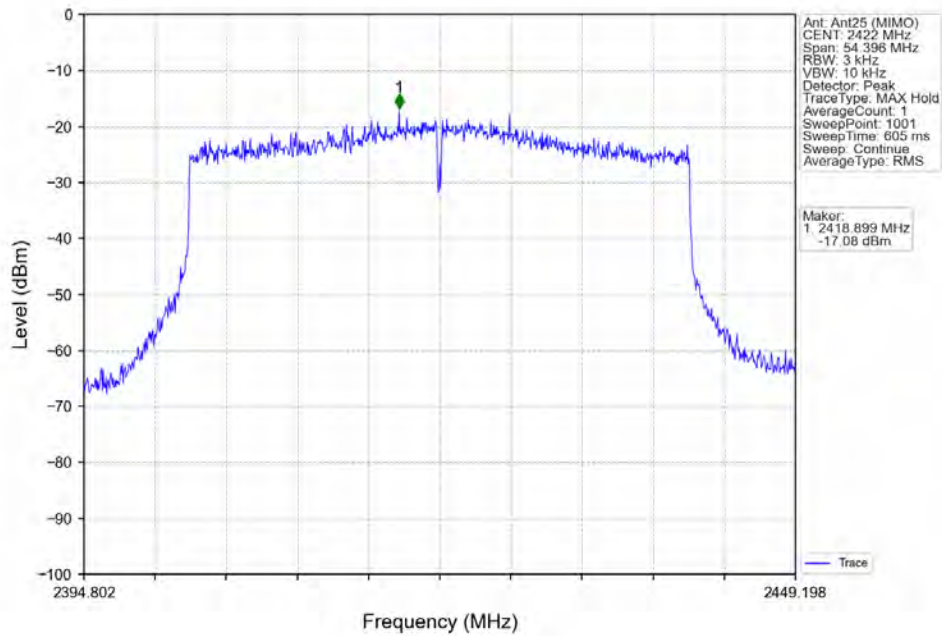
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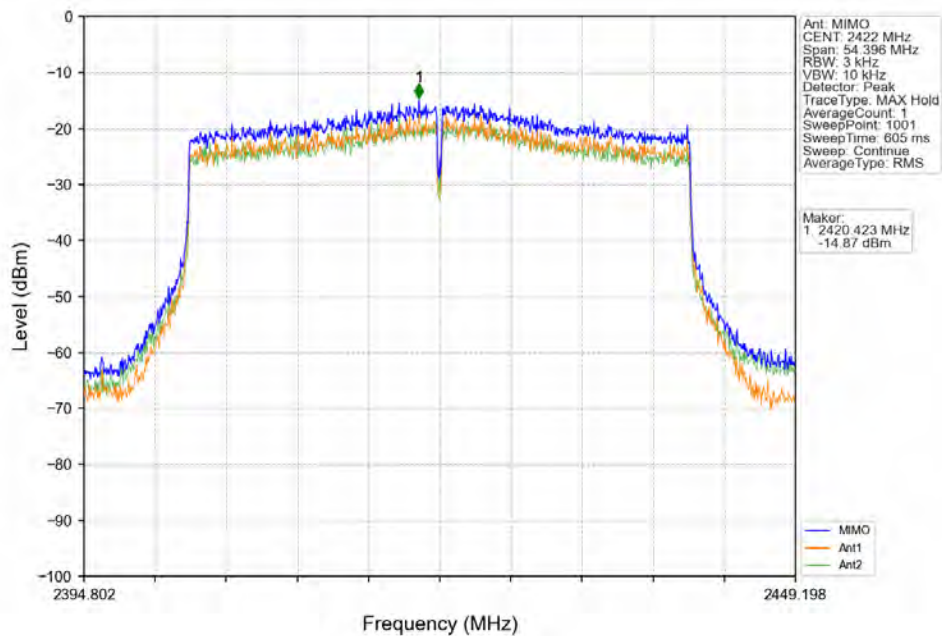
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802.11ax(HEW40) LCH 2422MHz RU484 Left Ant25 (MIMO) NTNV



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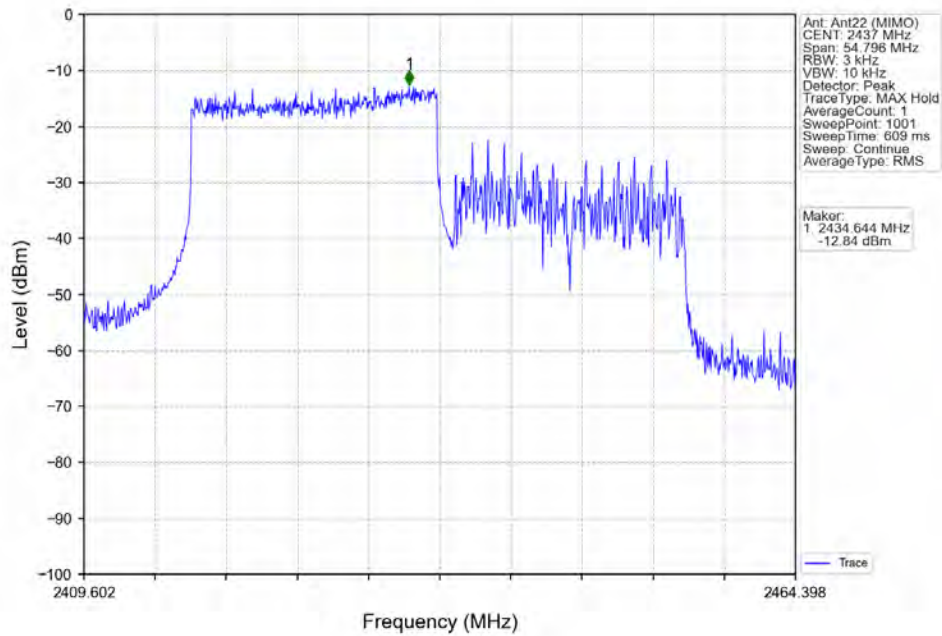
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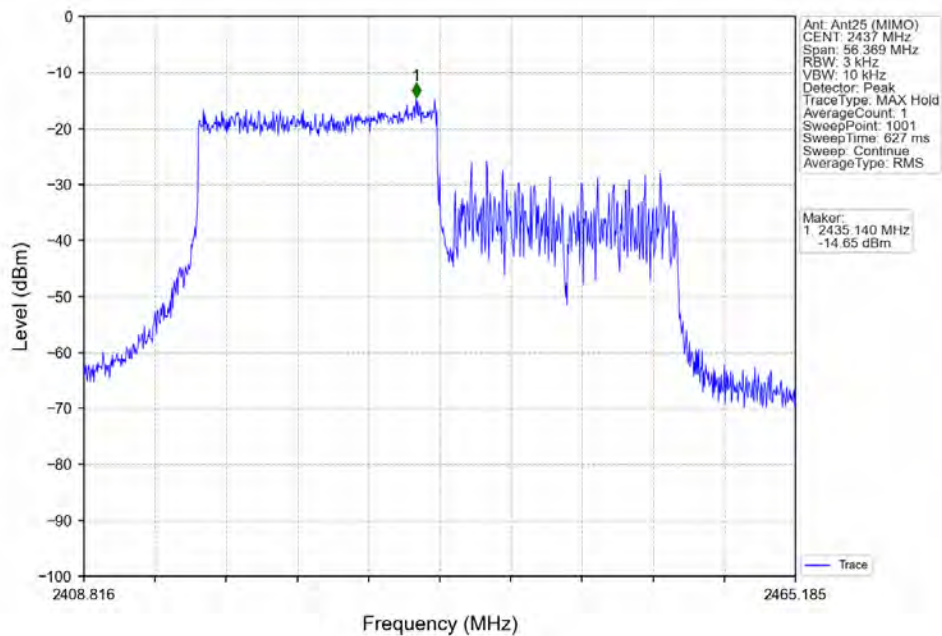
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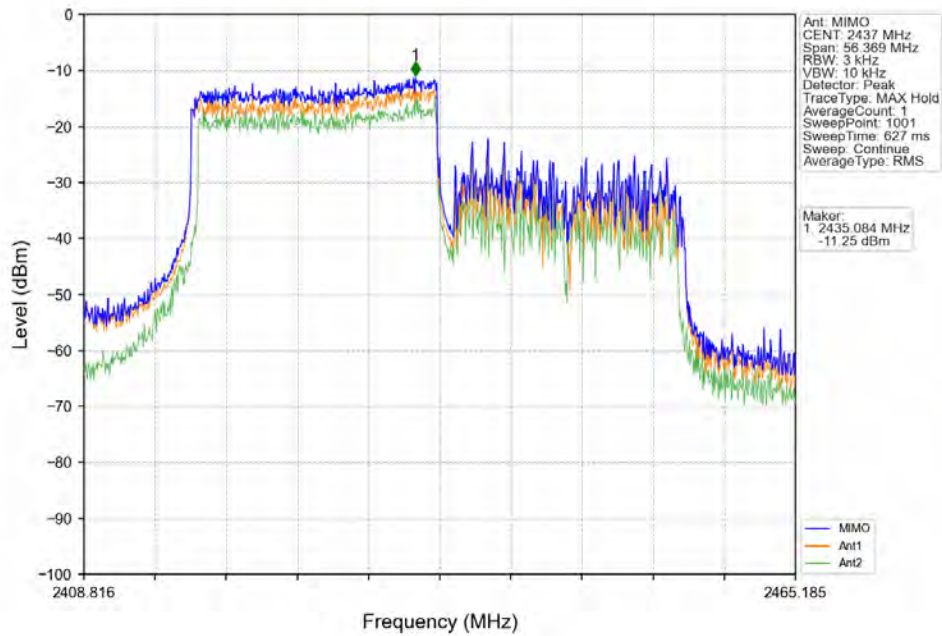
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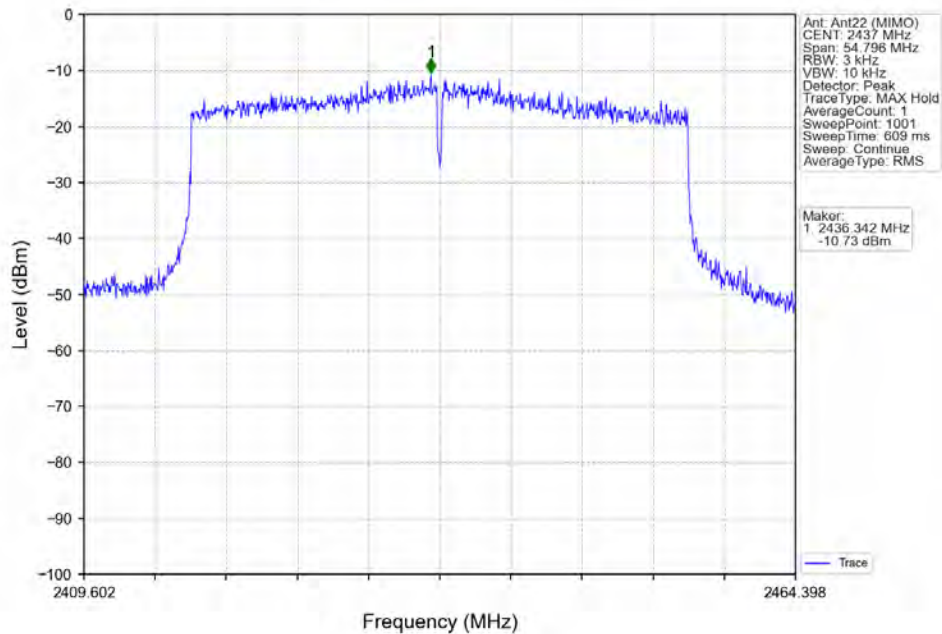
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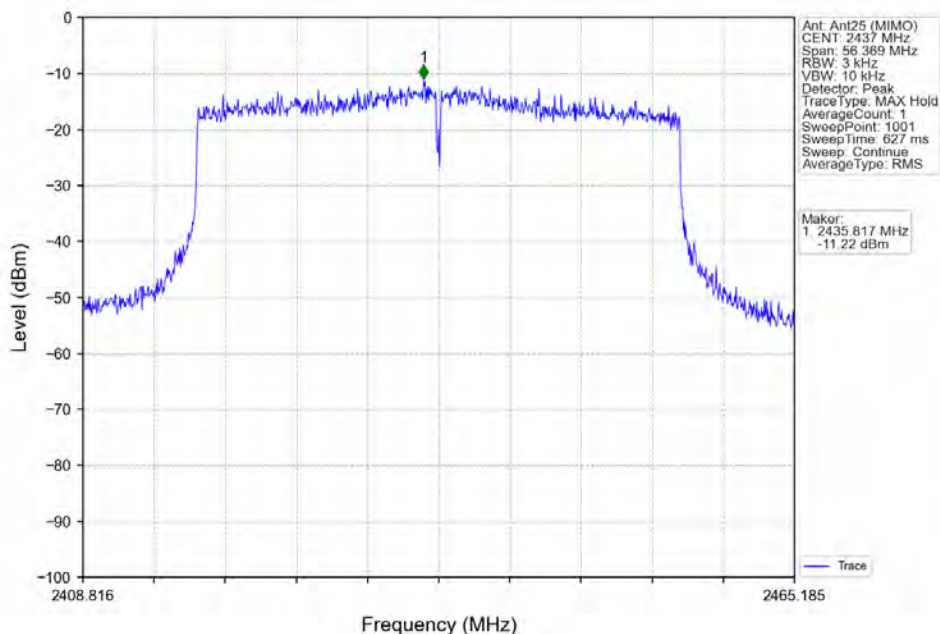
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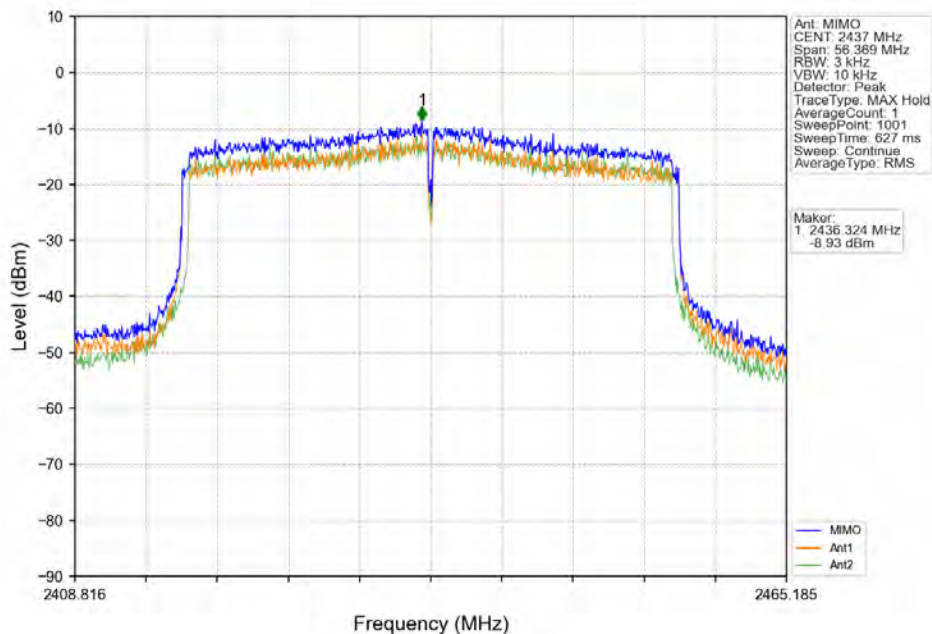
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802.11ax(HEW40) MCH 2437MHz RU484 Left Ant25 (MIMO) NTN



802.11ax(HEW40) MCH 2437MHz RU484 Left MIMO NTN



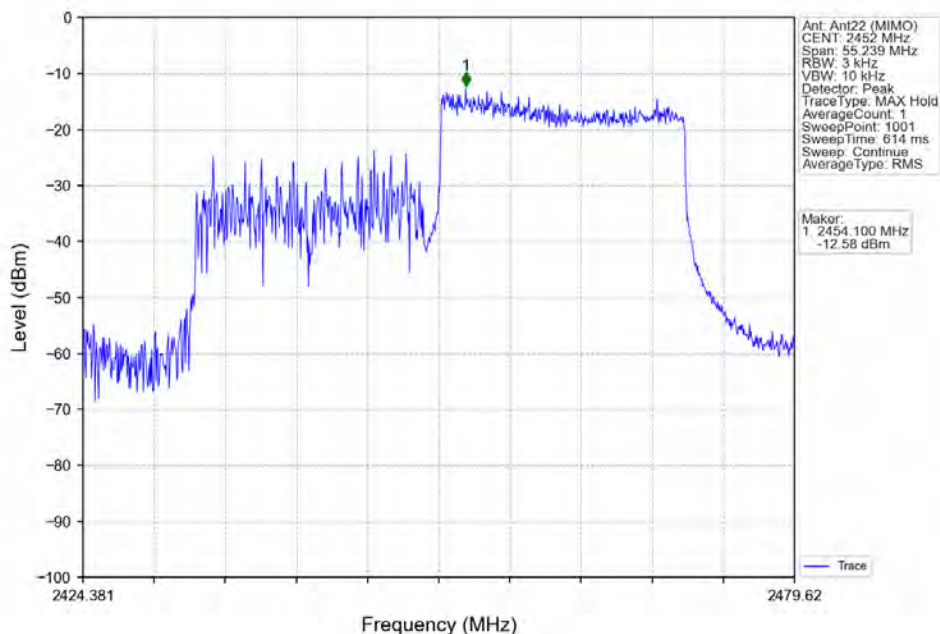
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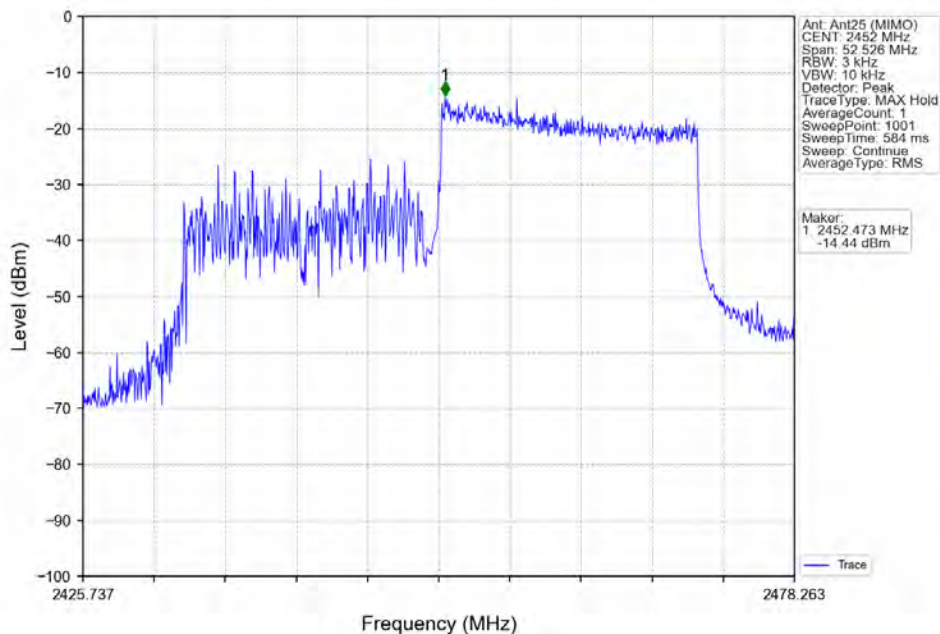
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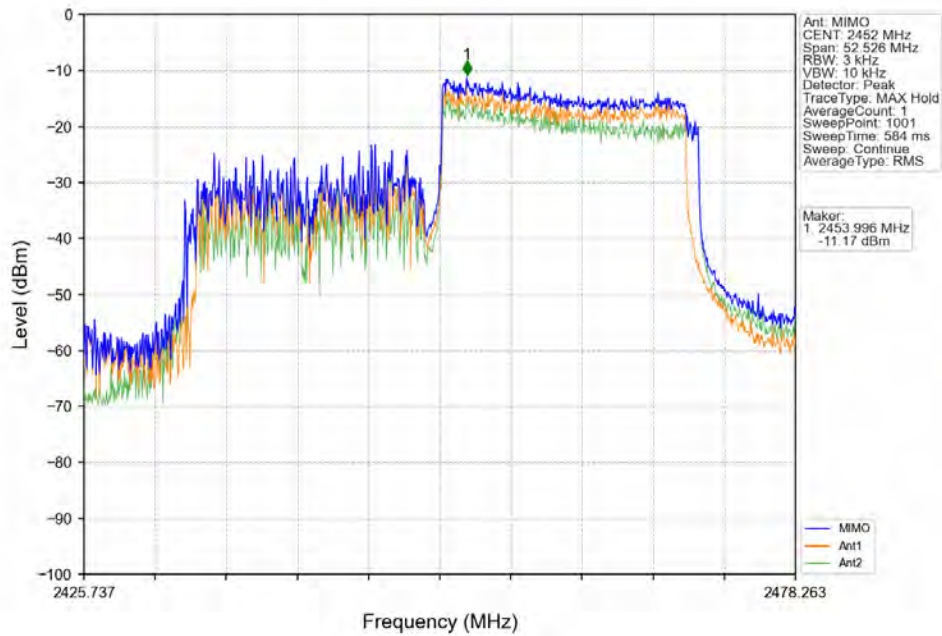
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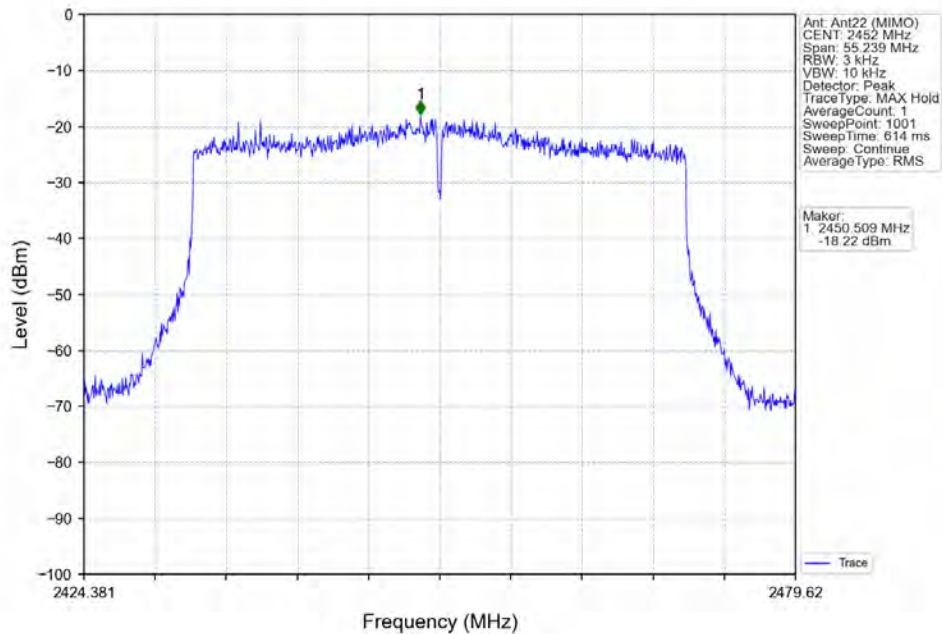
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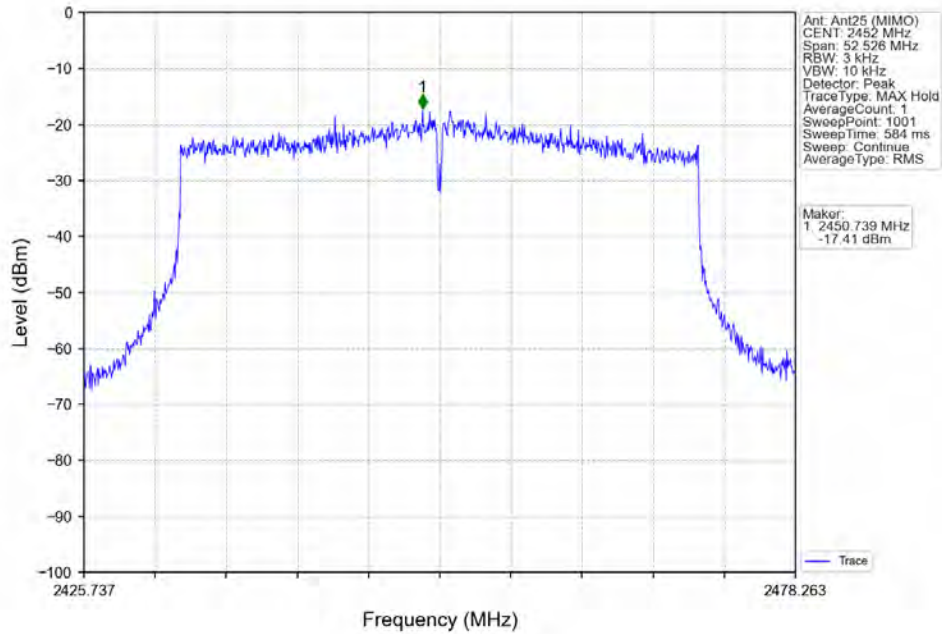
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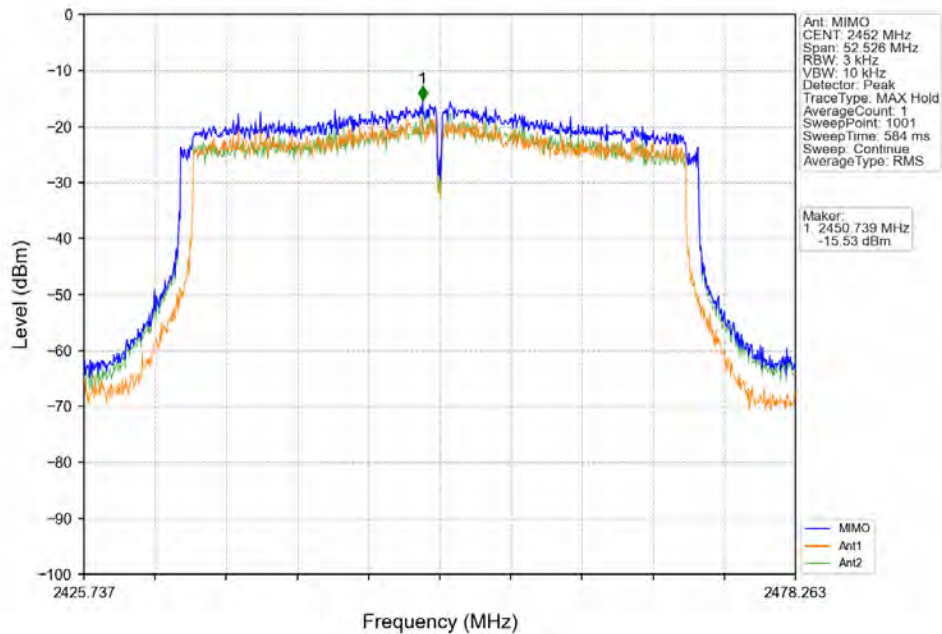
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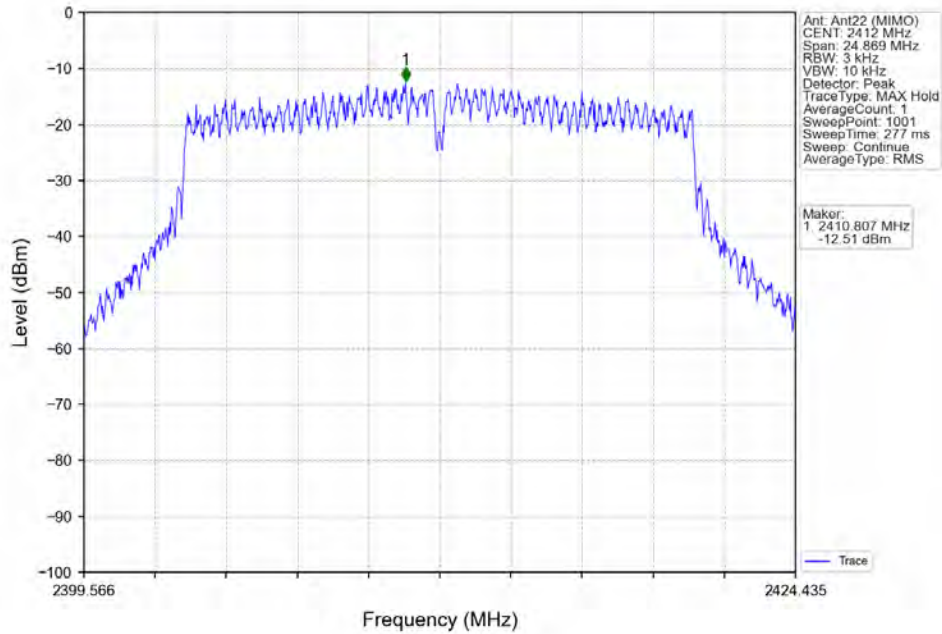
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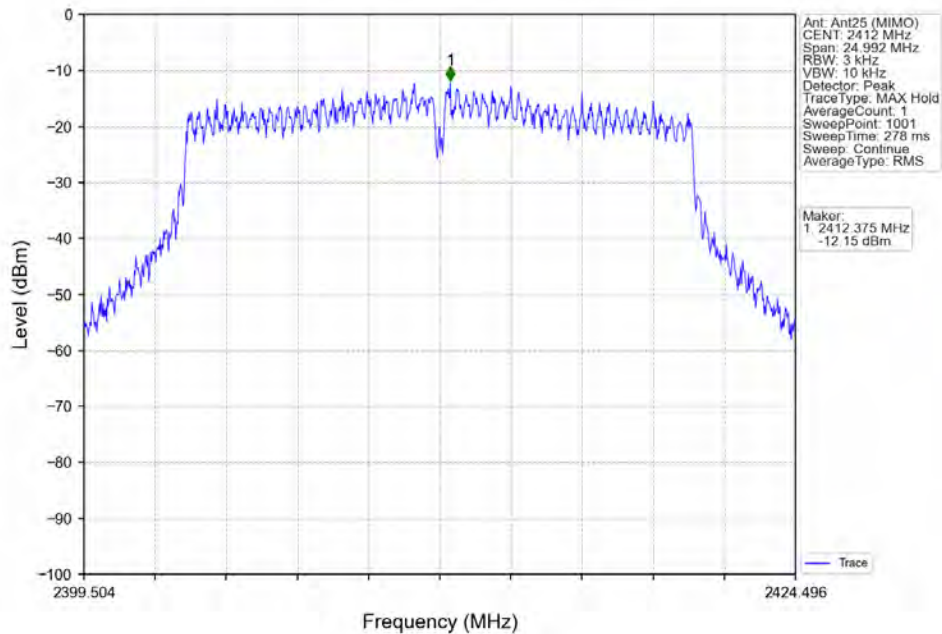
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802.11ac(VHT20)_LCH_2412MHz_Ant22 (MIMO)_NTNV



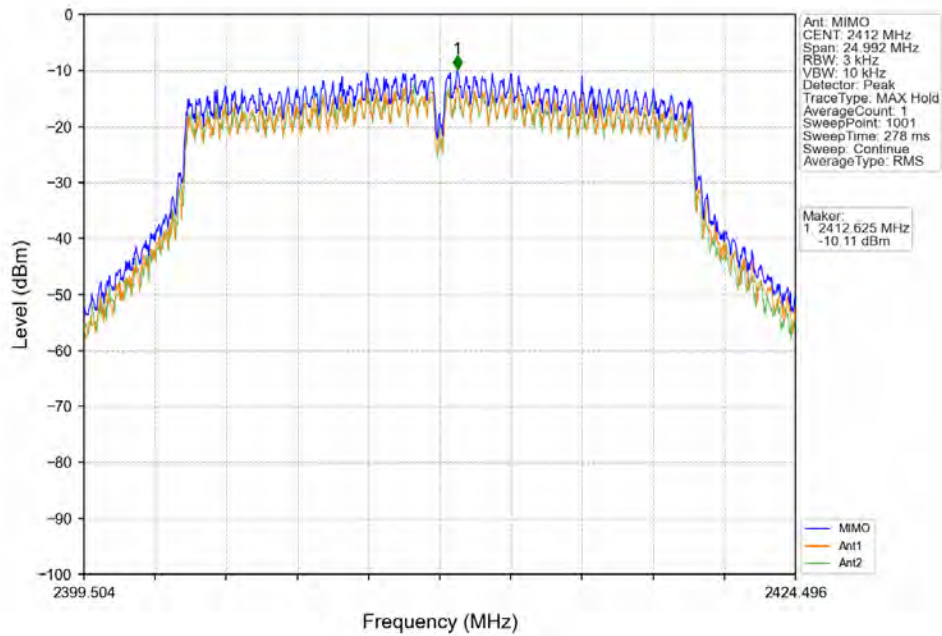
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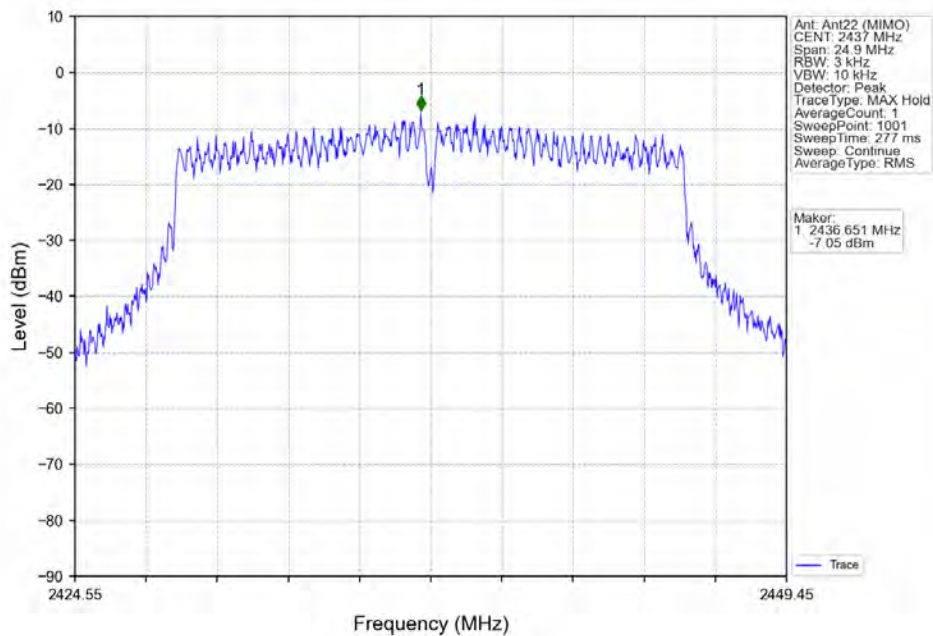
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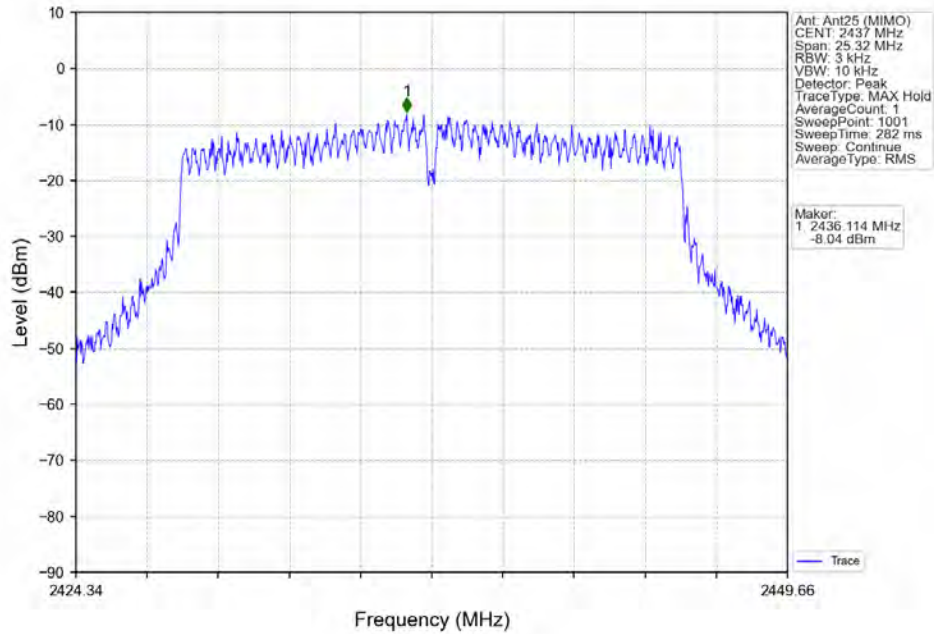
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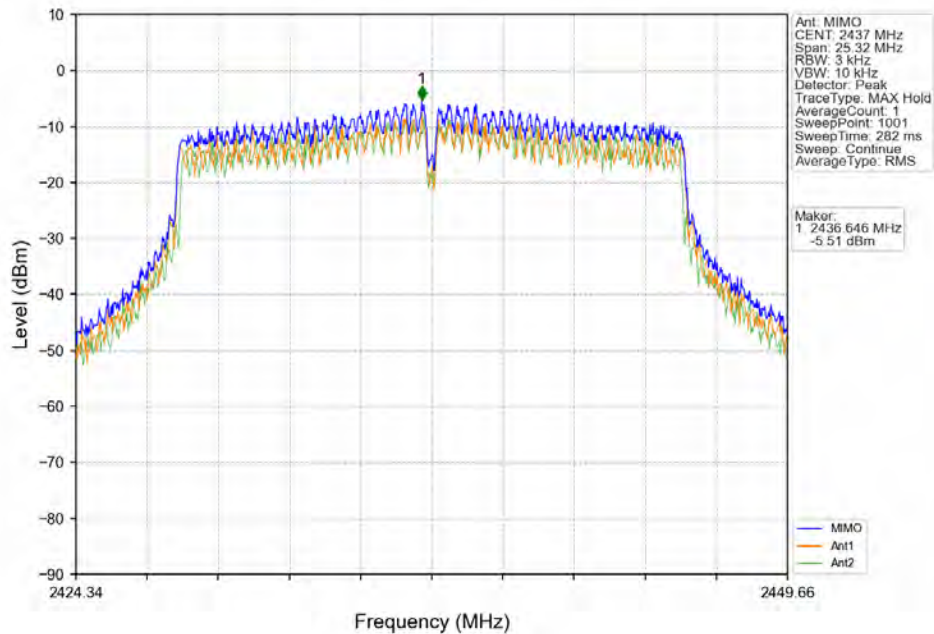
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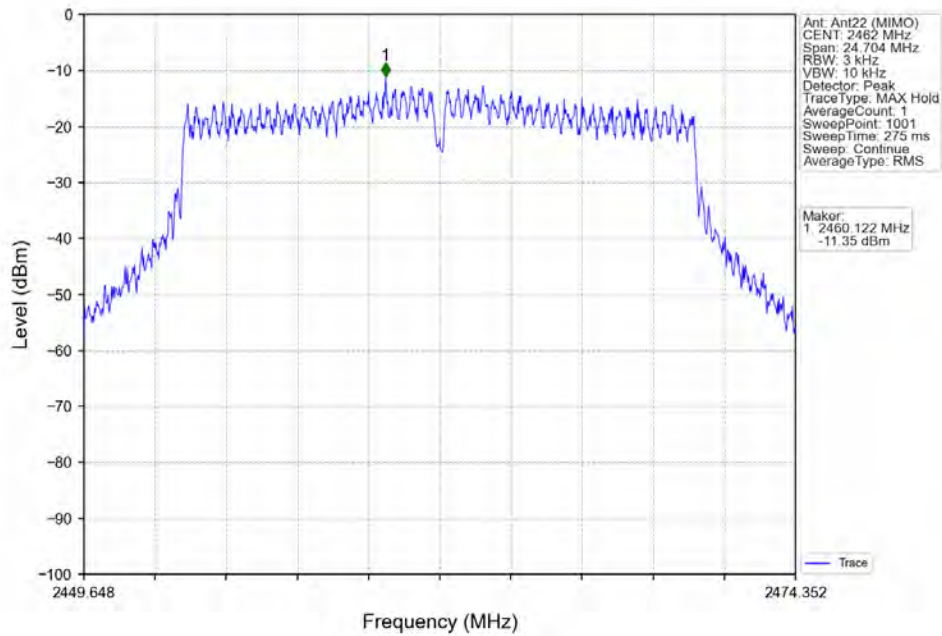
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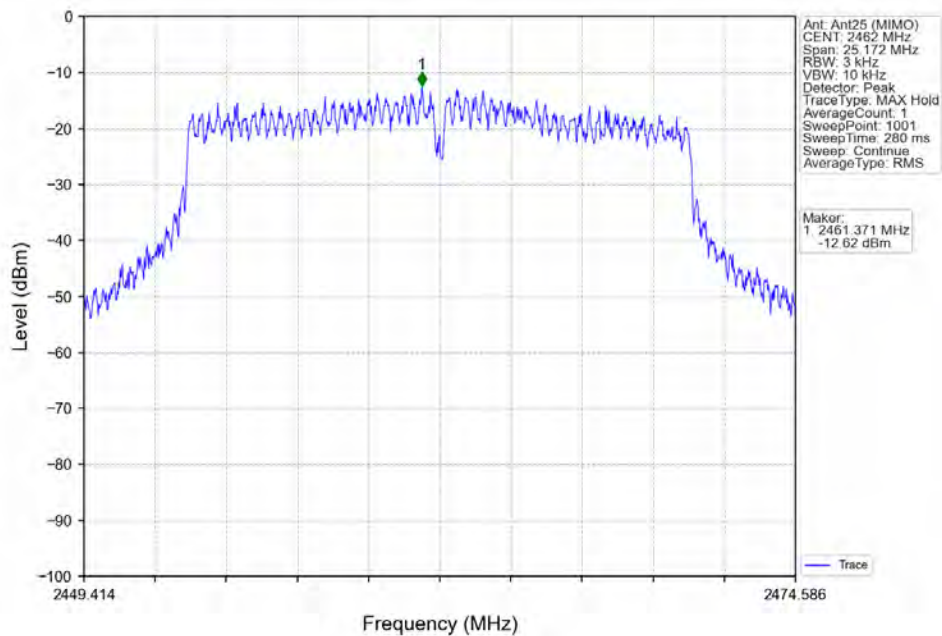
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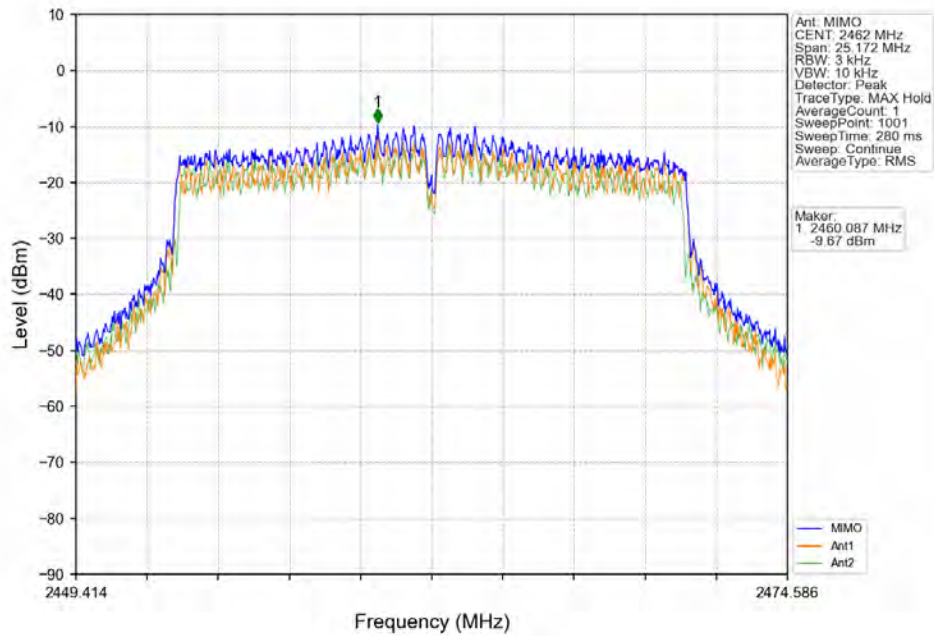
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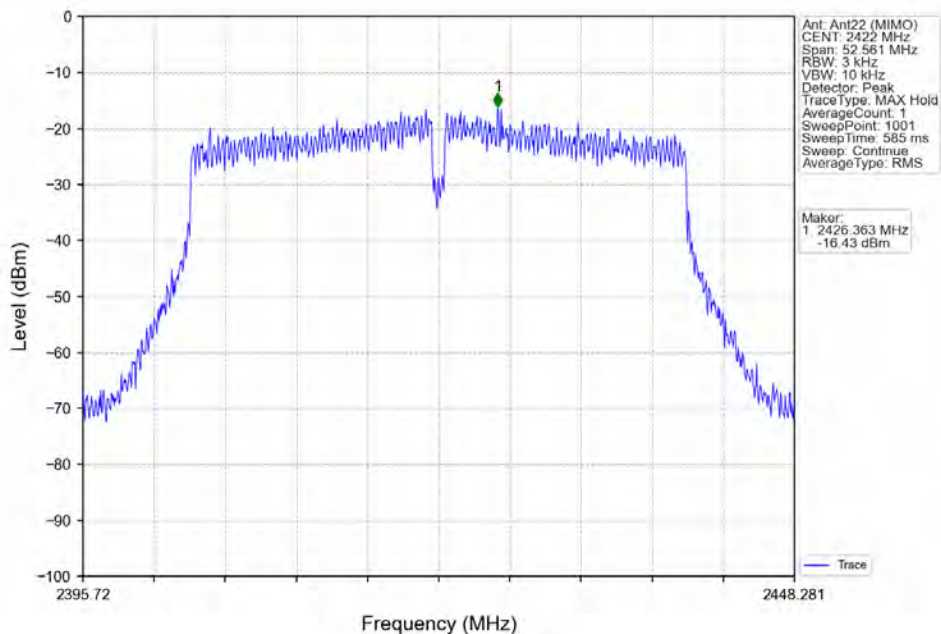
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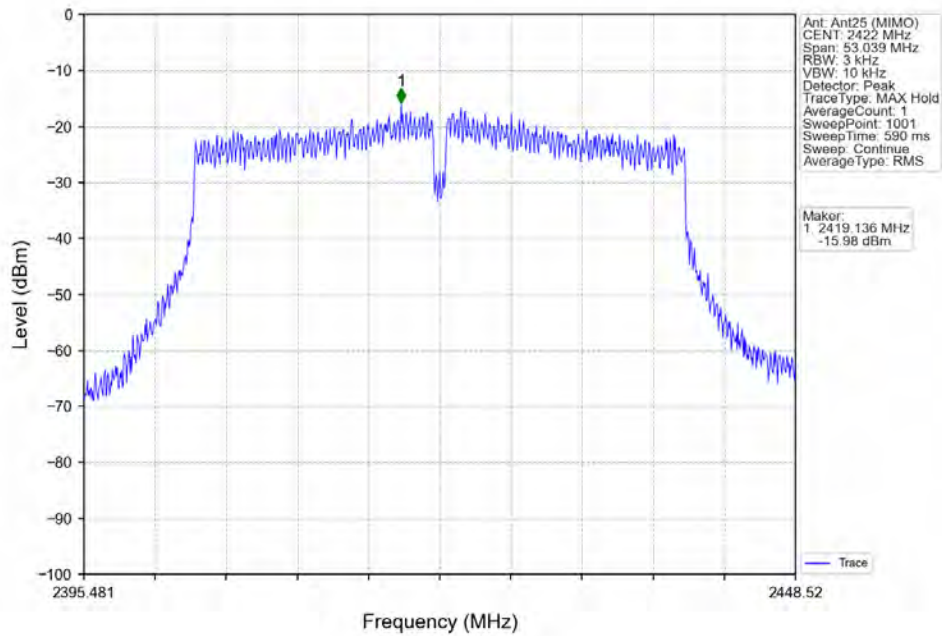
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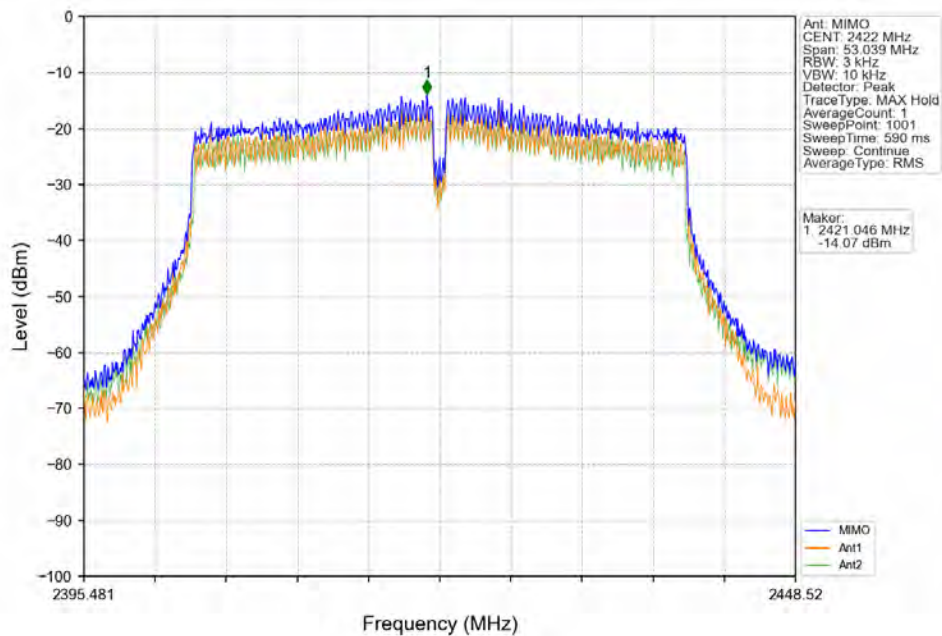
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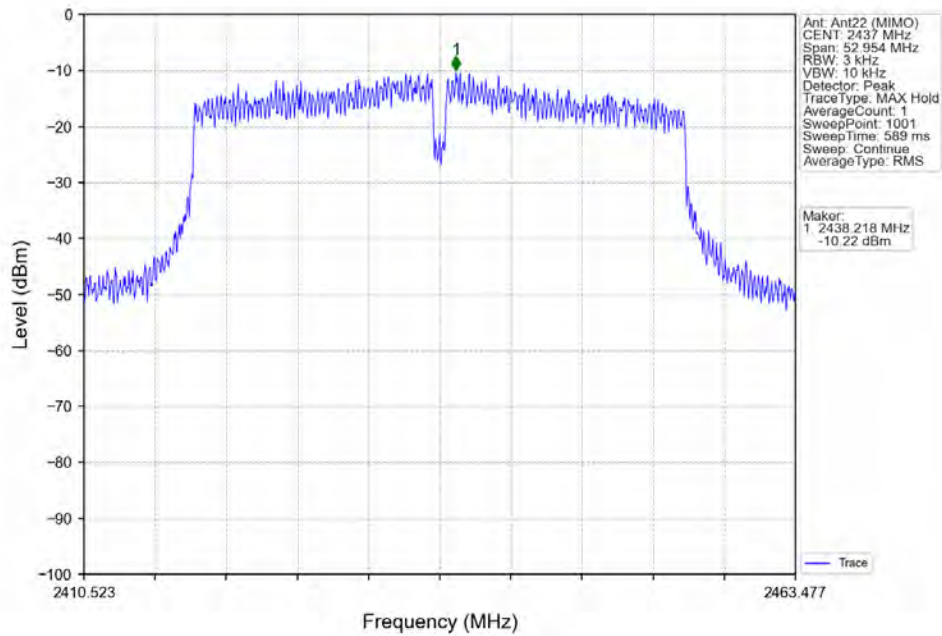
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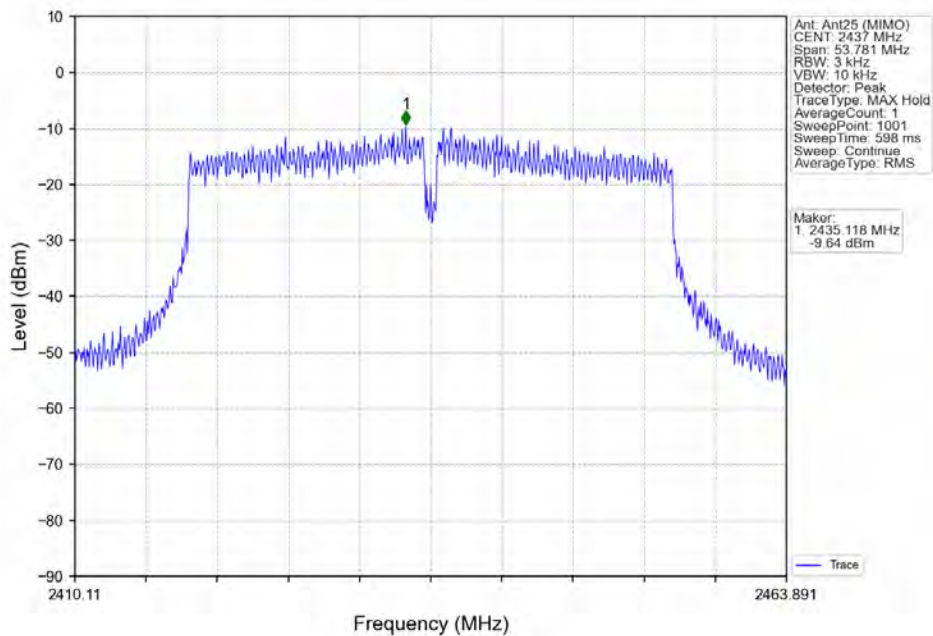
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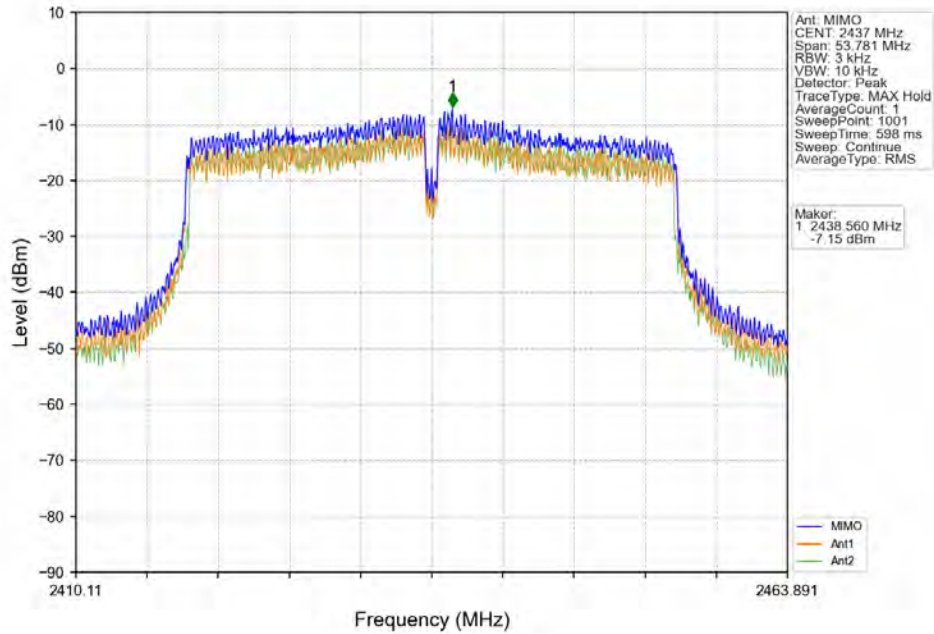
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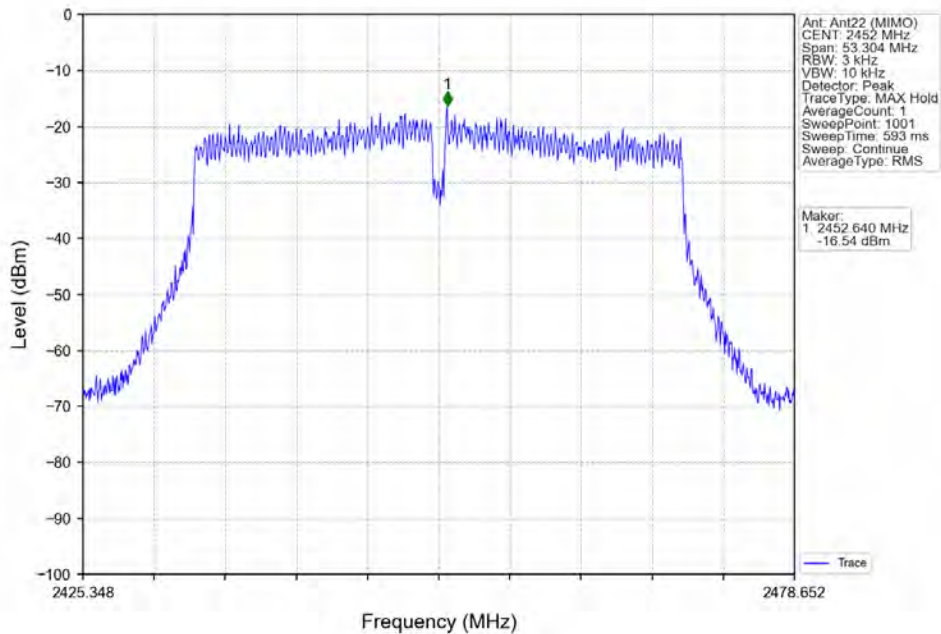
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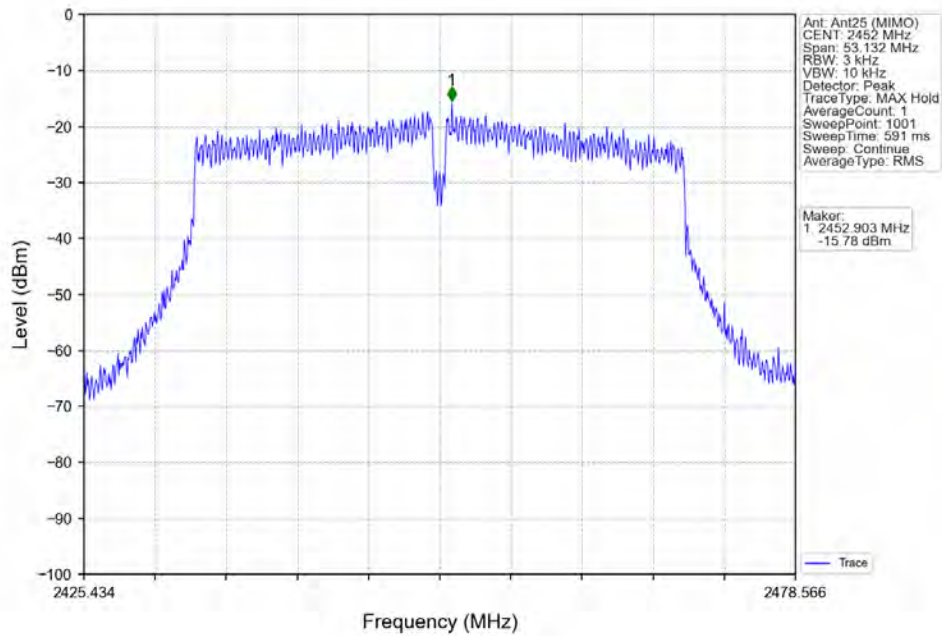
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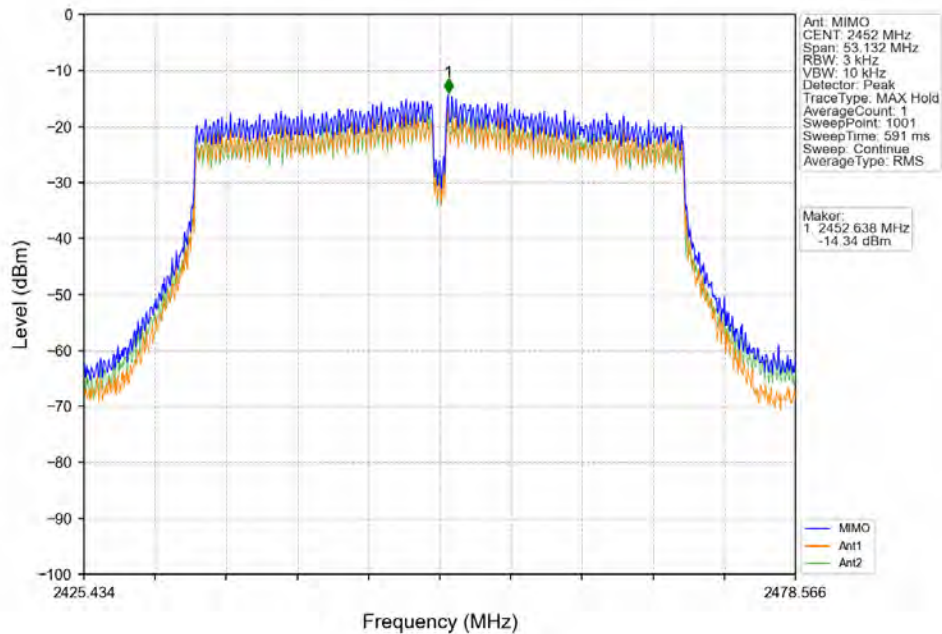
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802.11ac(VHT40)_HCH_2452MHz_Ant25 (MIMO)_NTNV



802.11ac(VHT40)_HCH_2452MHz_MIMO_NTNV



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	MIMO	2412	/	/	22	5.28
					25	5.04
		2437	/	/	22	9.85
					25	9.44
		2462	/	/	22	5.04
					25	6.55
802.11g	MIMO	2412	/	/	22	4.46
					25	4.25
		2437	/	/	22	8.74
					25	8.94
		2462	/	/	22	4.63
					25	3.91
802.11n (HT20)	MIMO	2412	/	/	22	3.60
					25	1.90
		2437	/	/	22	6.53
					25	6.69
		2462	/	/	22	3.23
					25	0.52
802.11n (HT40)	MIMO	2422	/	/	22	-1.33
					25	-2.27
		2437	/	/	22	5.32
					25	4.88
		2452	/	/	22	-2.47
					25	-2.47
802.11ax (HEW20)	MIMO	2412	RU26	Left	22	5.03
					25	5.03
			RU52	Left	22	3.28
					25	2.22
			RU106	Left	22	2.84
					25	3.80
		2437	RU242	Left	22	2.68
					25	2.62
			RU26	Mid	22	7.99
					25	8.29
			RU52	Mid	22	4.76
					25	4.59

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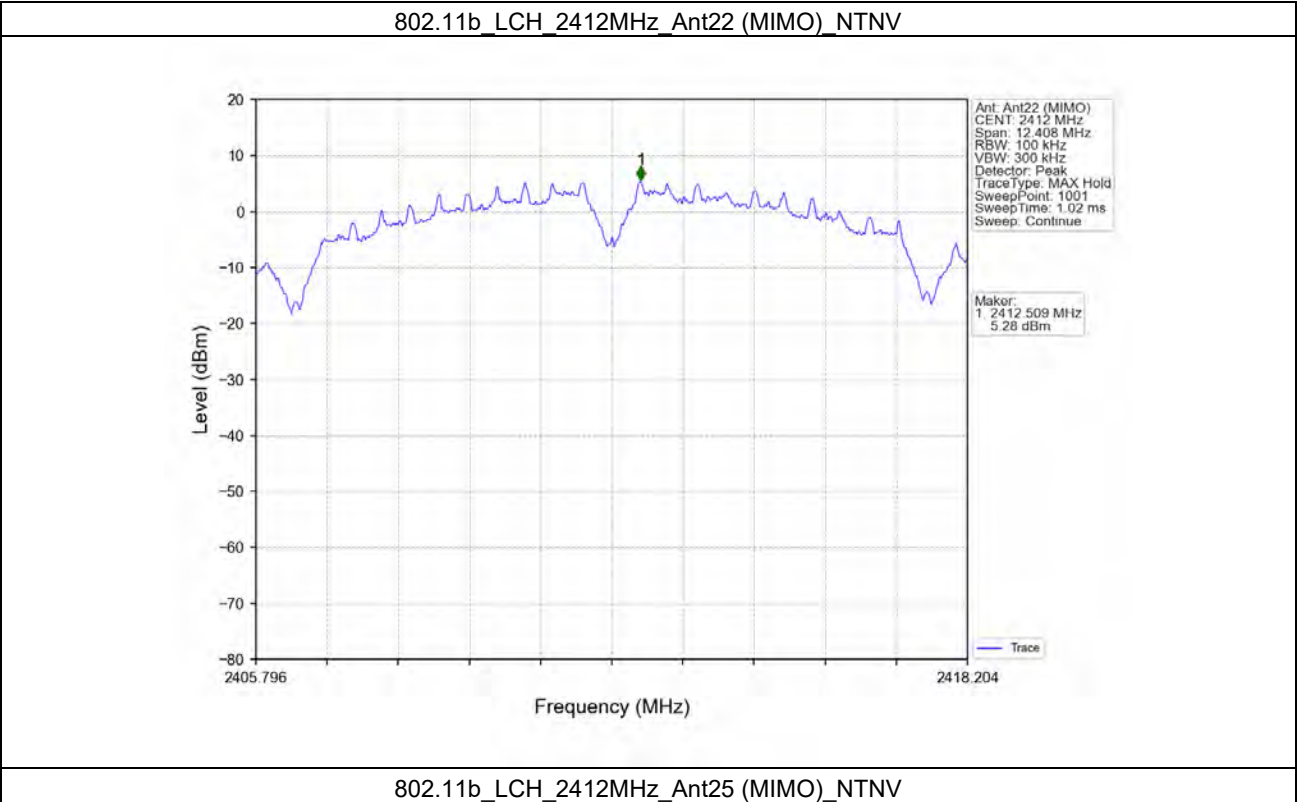
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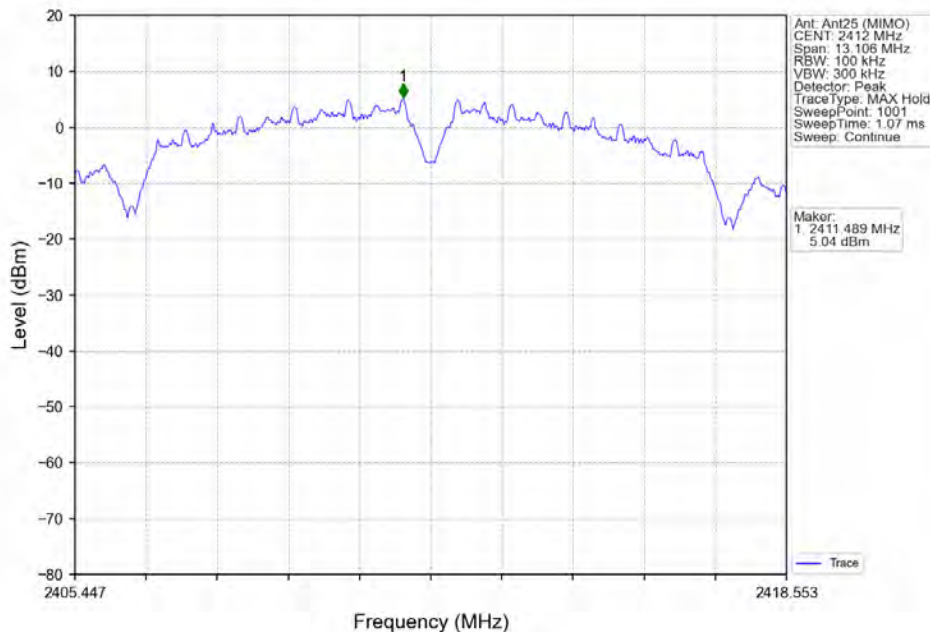
Page: 229 of 330

			RU106	Left	22	2.07
					25	2.81
			RU242	Left	22	6.18
					25	5.81
		2462	RU26	Right	22	4.56
					25	5.16
			RU52	Right	22	1.44
					25	2.67
			RU106	Right	22	2.49
					25	2.17
		RU242	Left	22	3.17	
				25	3.27	
802.11ax (HEW40)	MIMO	2422	RU242	Left	22	0.95
					25	-1.96
			RU484	Left	22	-1.90
					25	-2.09
		2437	RU242	Left	22	0.39
					25	-2.42
			RU484	Left	22	5.17
					25	4.69
		2452	RU242	Right	22	-0.21
					25	-2.08
RU484	Left		22	-2.11		
			25	-2.27		
802.11ac (VHT20)	MIMO	2412	/	/	22	3.25
					25	3.41
		2437	/	/	22	5.99
					25	6.46
		2462	/	/	22	1.58
					25	2.76
802.11ac (VHT40)	MIMO	2422	/	/	22	-1.73
					25	-2.12
		2437	/	/	22	4.78
					25	4.44
		2452	/	/	22	-2.08
					25	-2.09

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 Test Graph

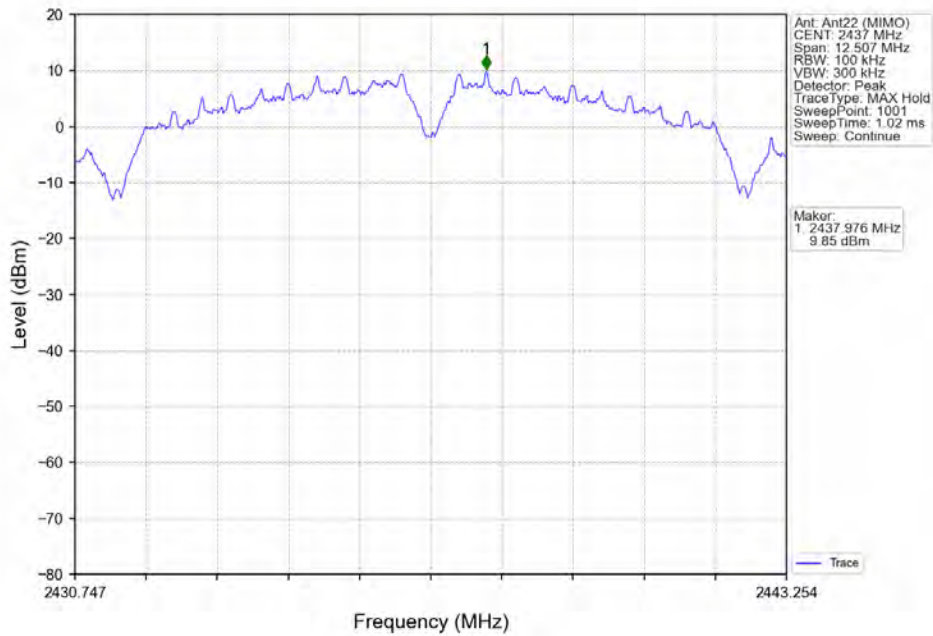




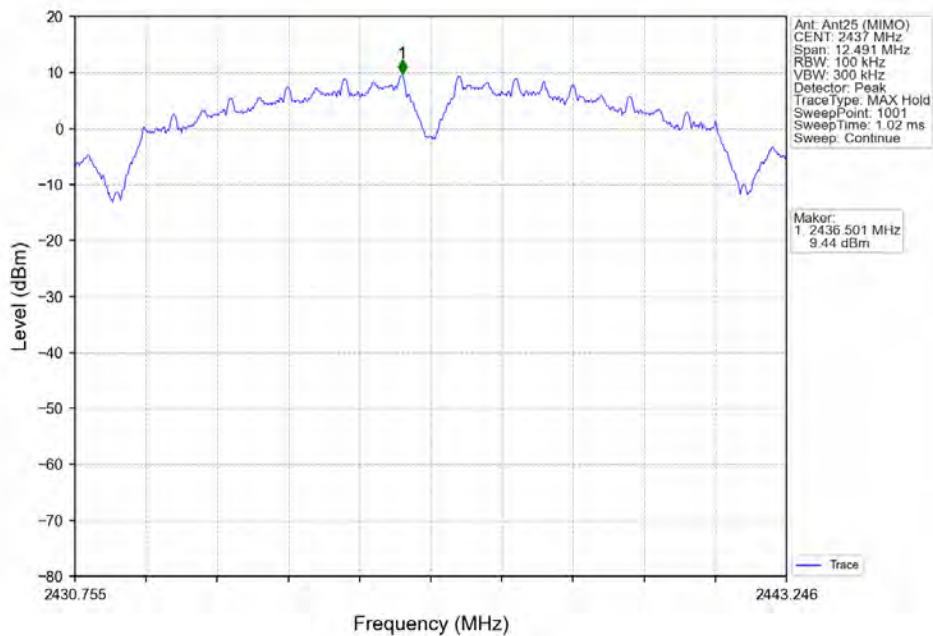
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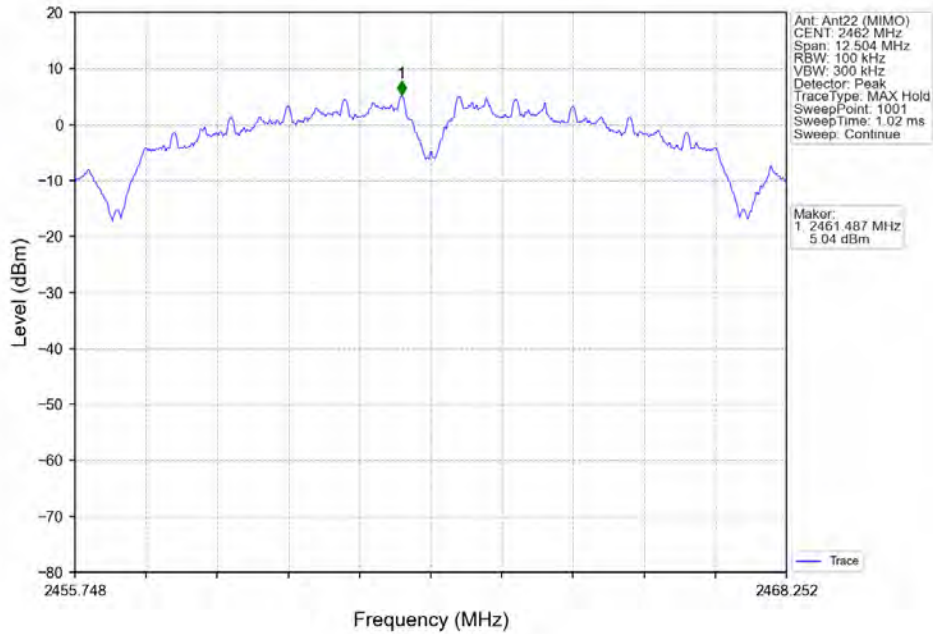
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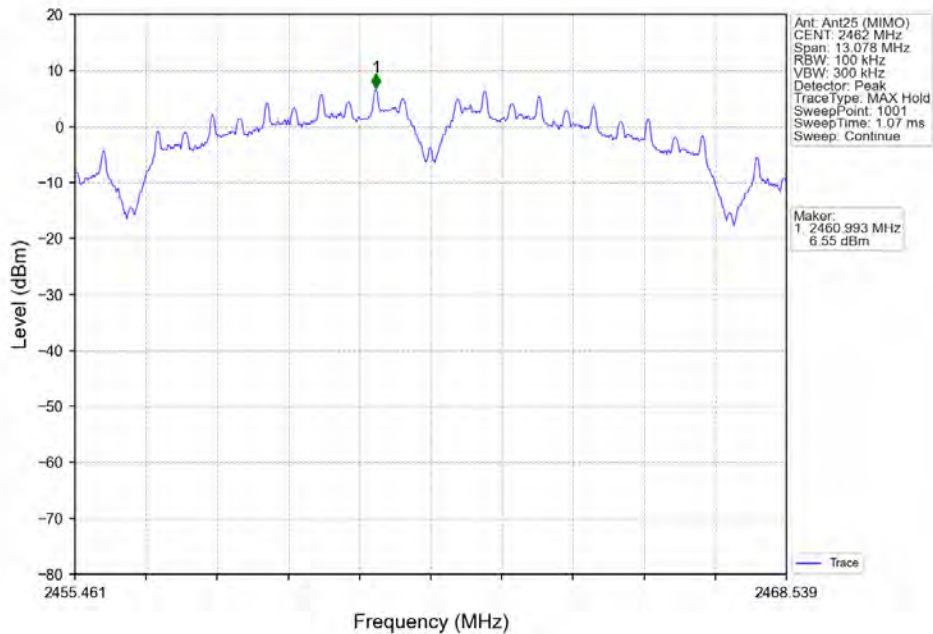
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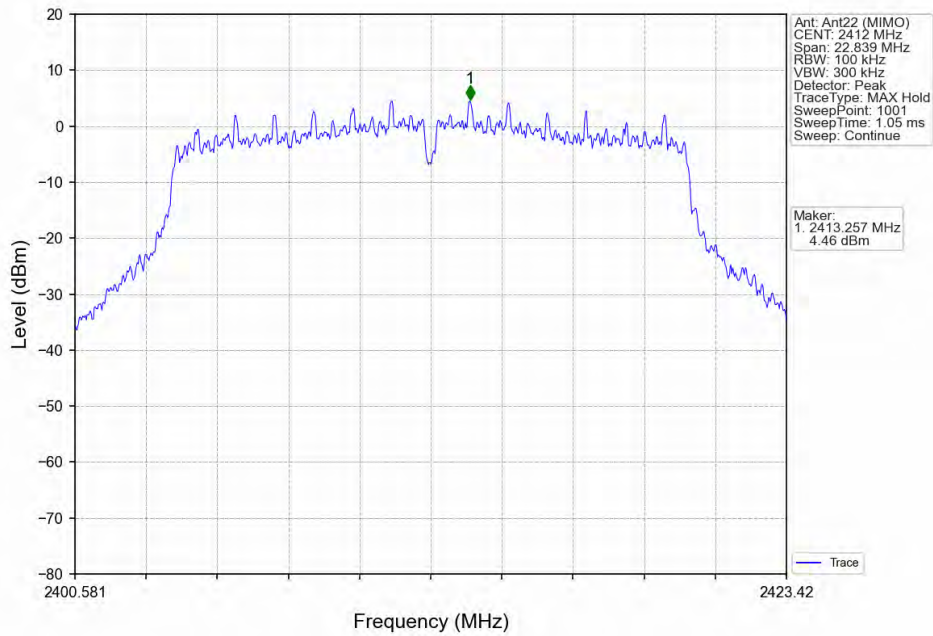
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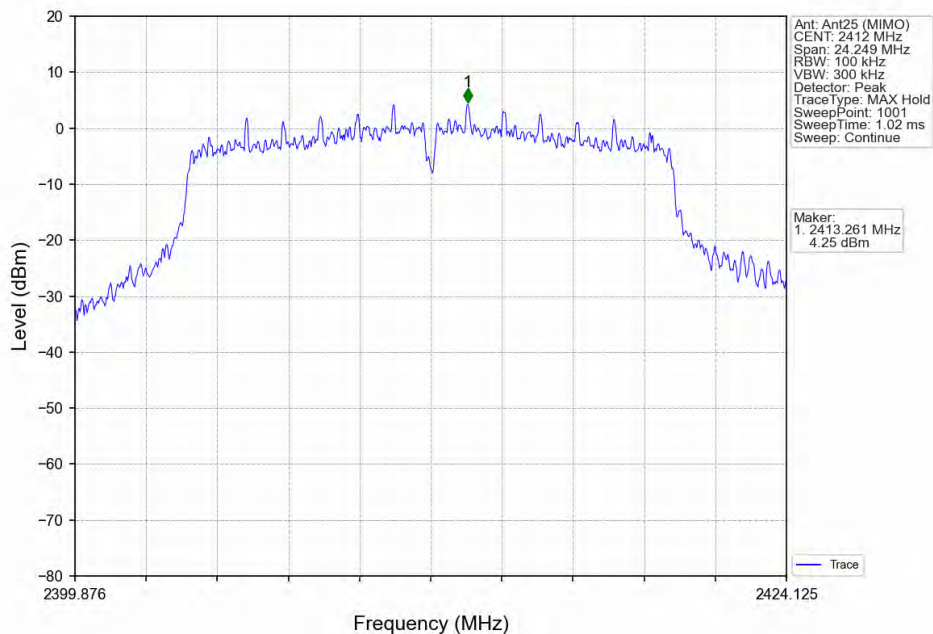
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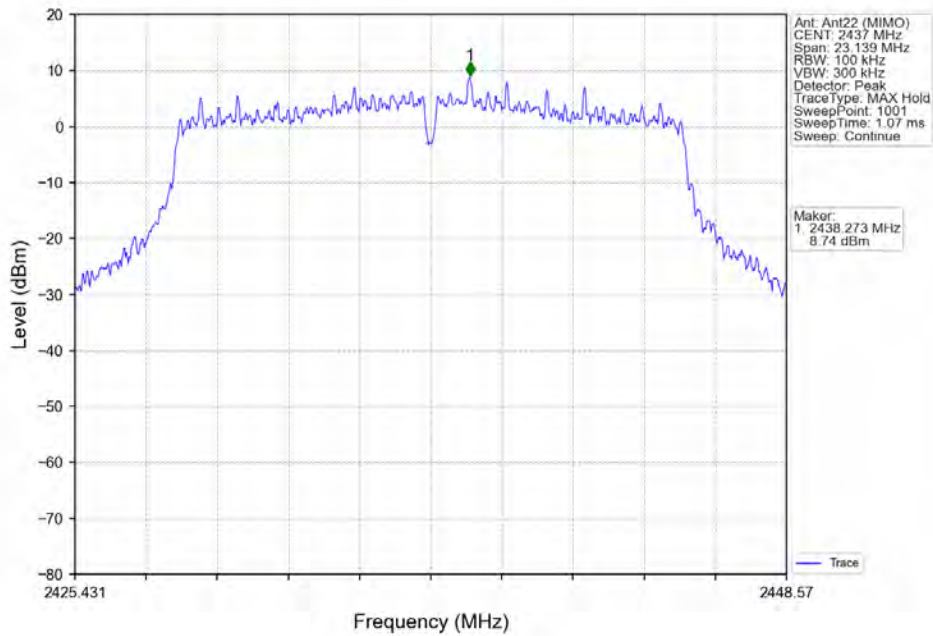
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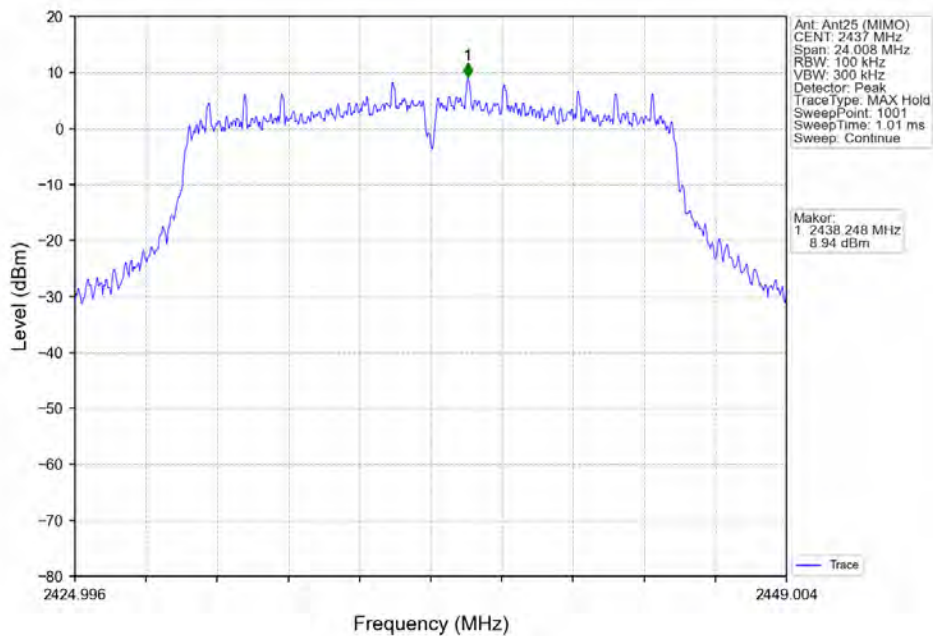
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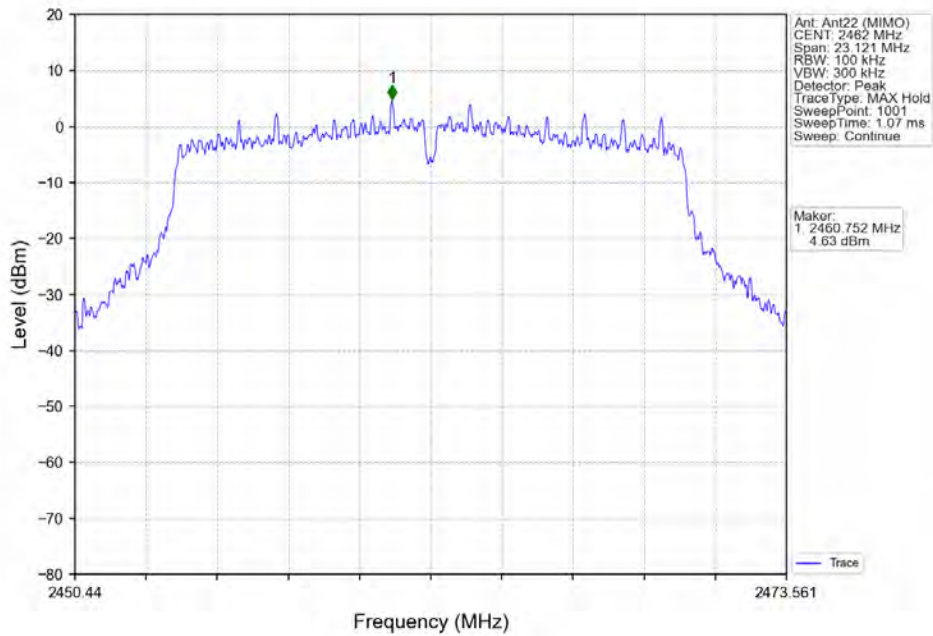
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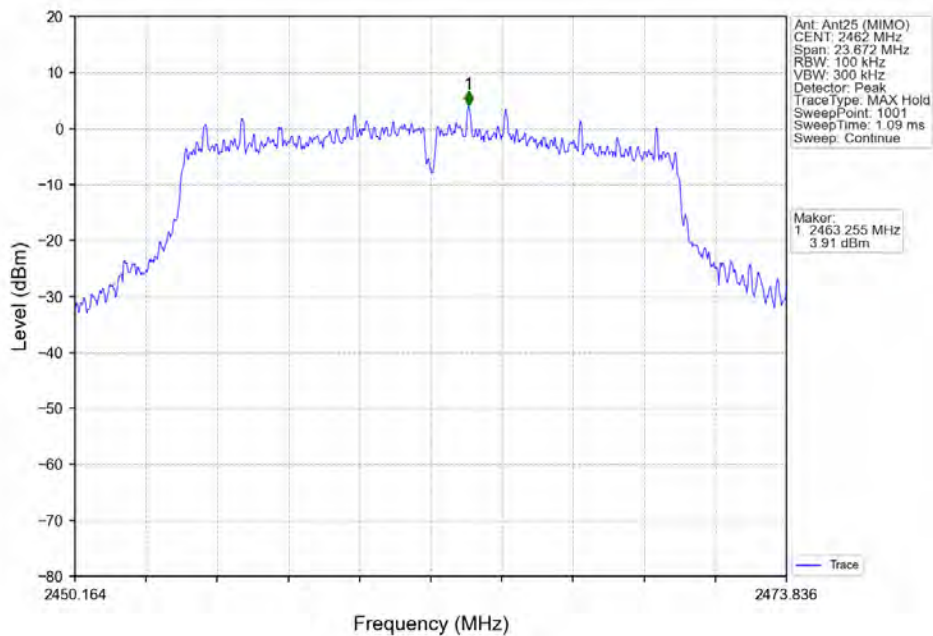
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802.11g_HCH_2462MHz_Ant22 (MIMO)_NTNV



802.11g_HCH_2462MHz_Ant25 (MIMO)_NTNV



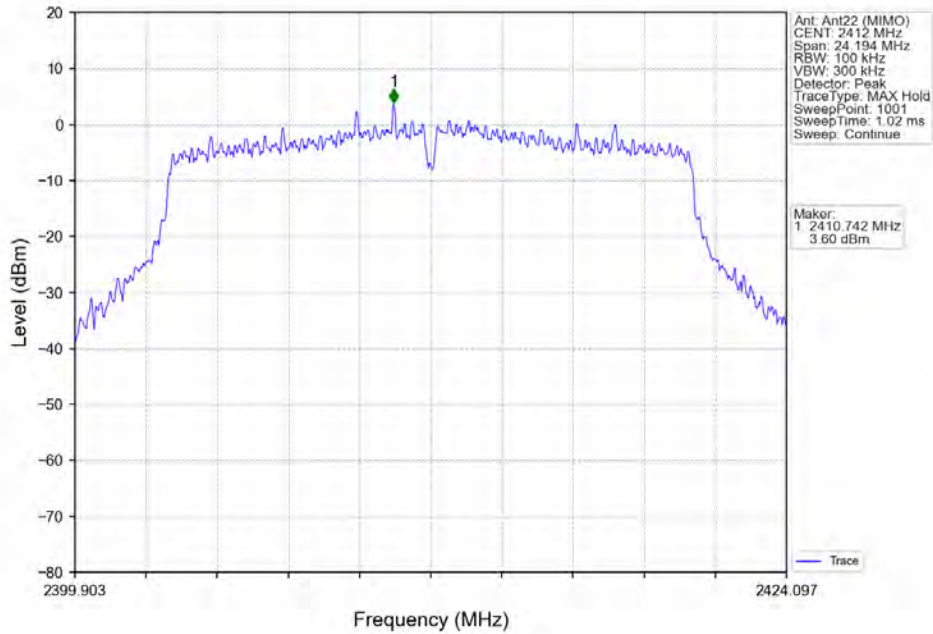
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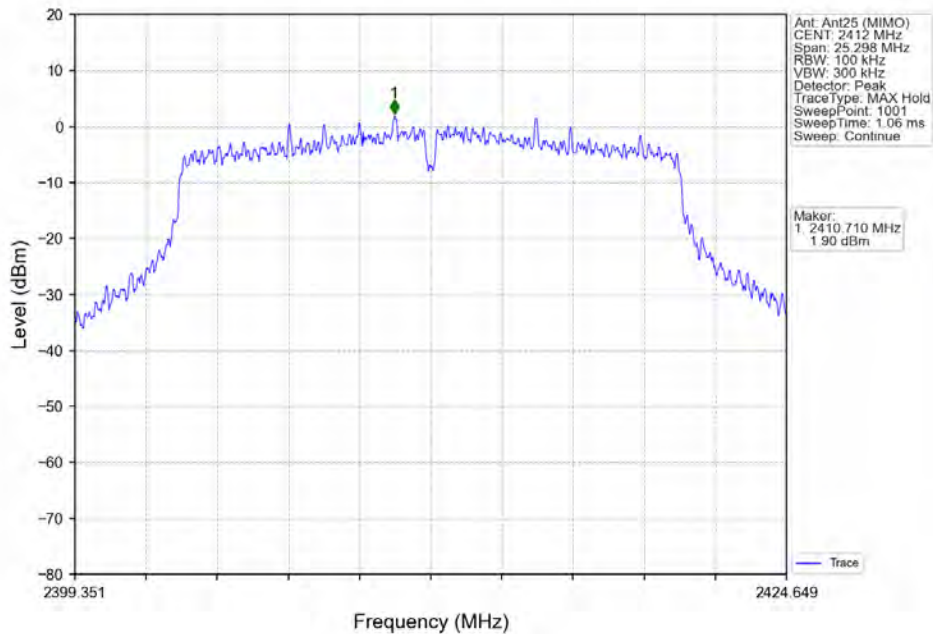
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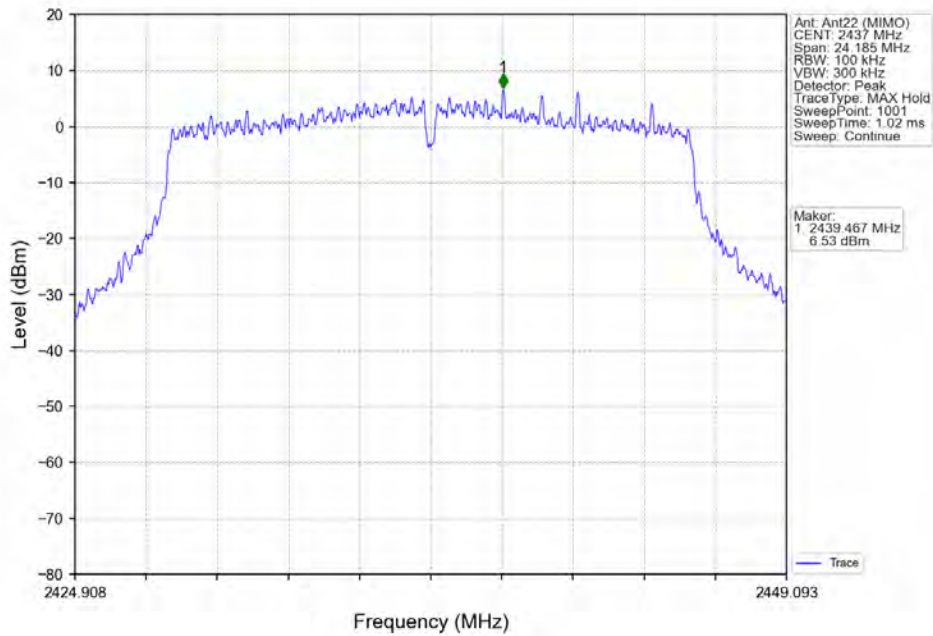
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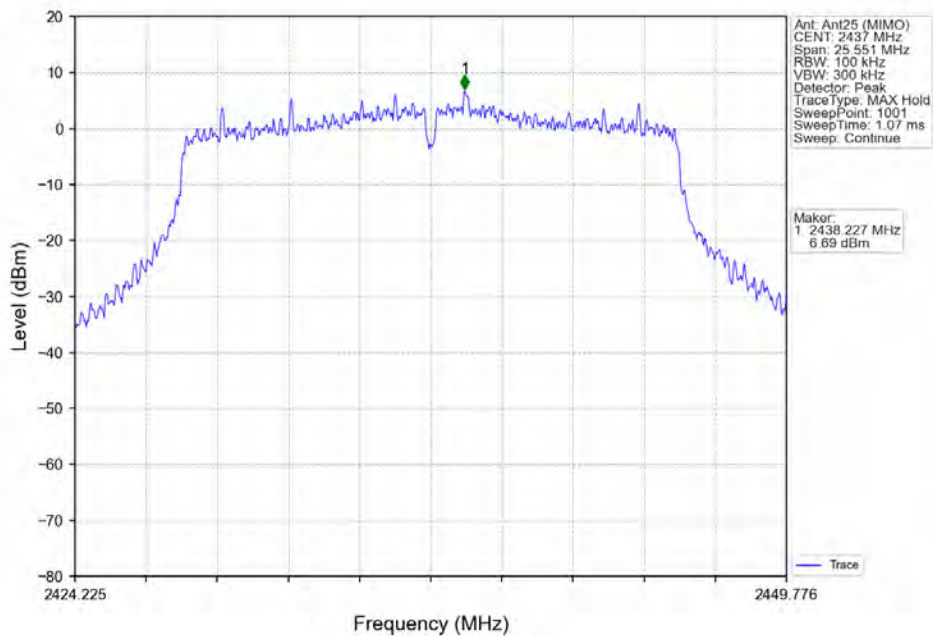
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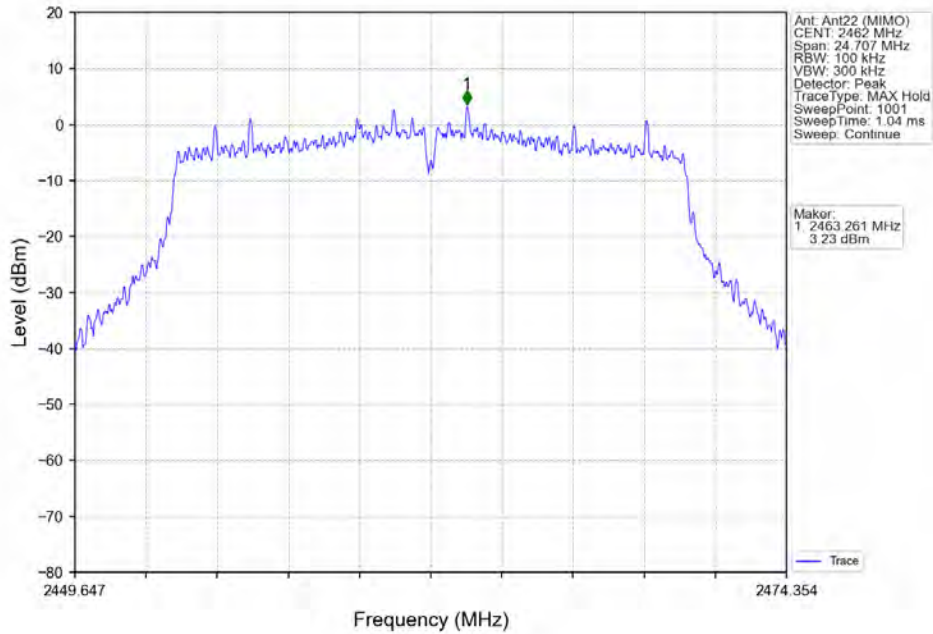
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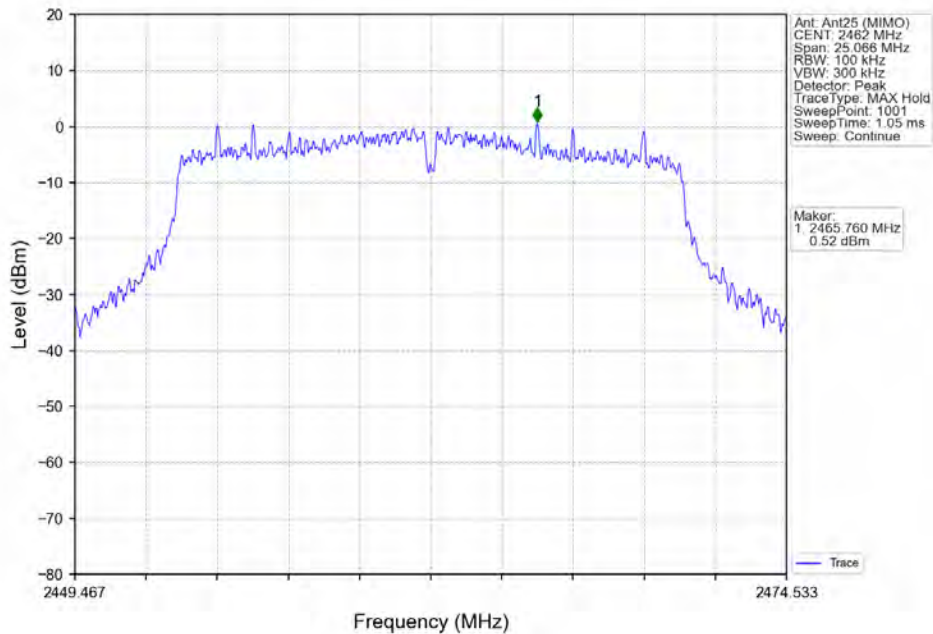
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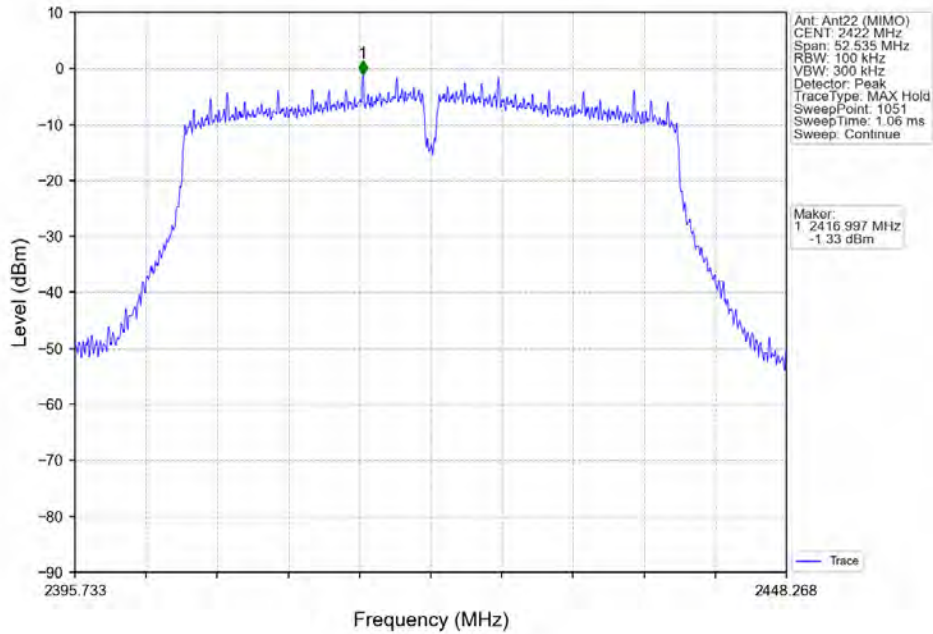
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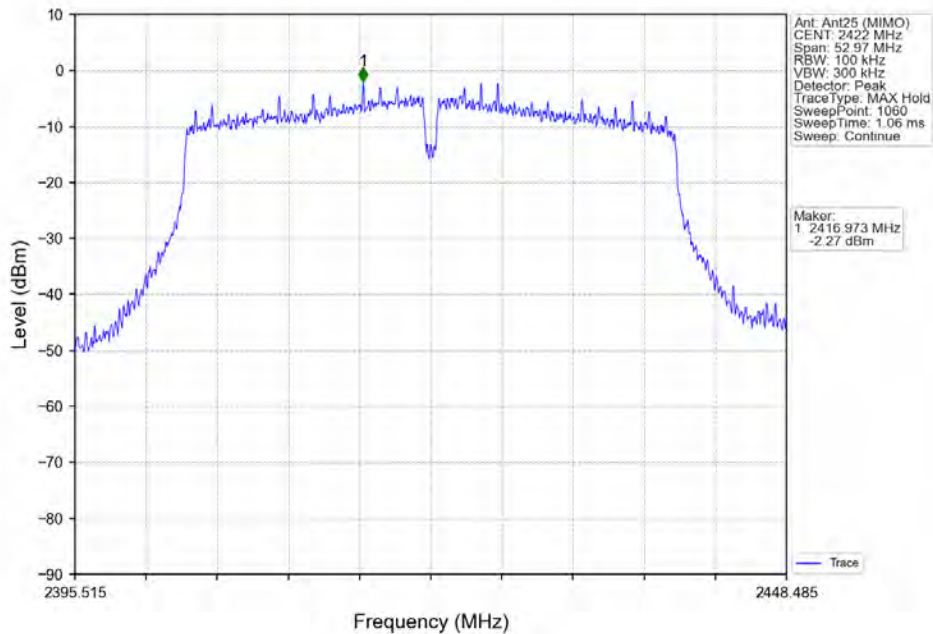
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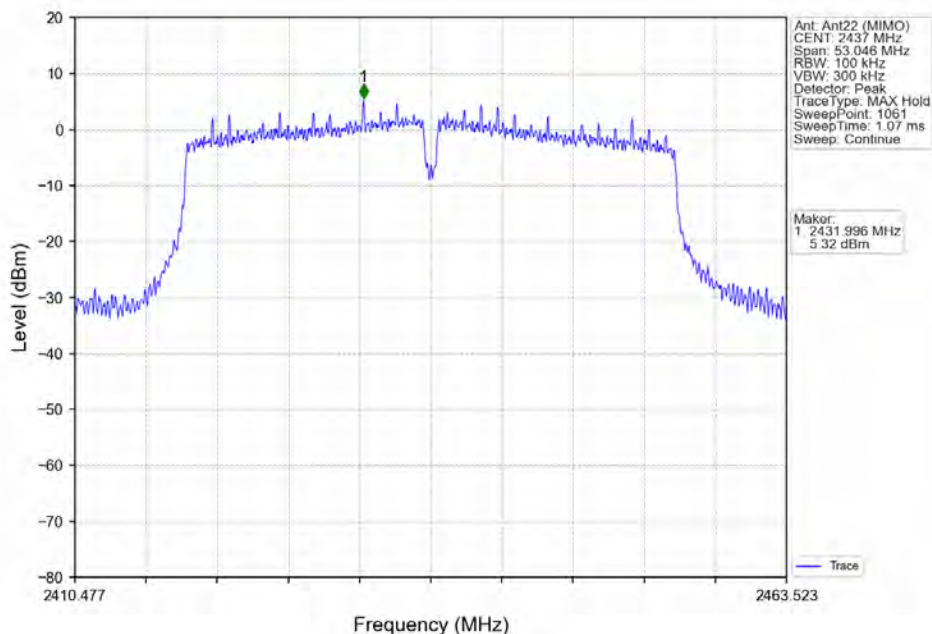
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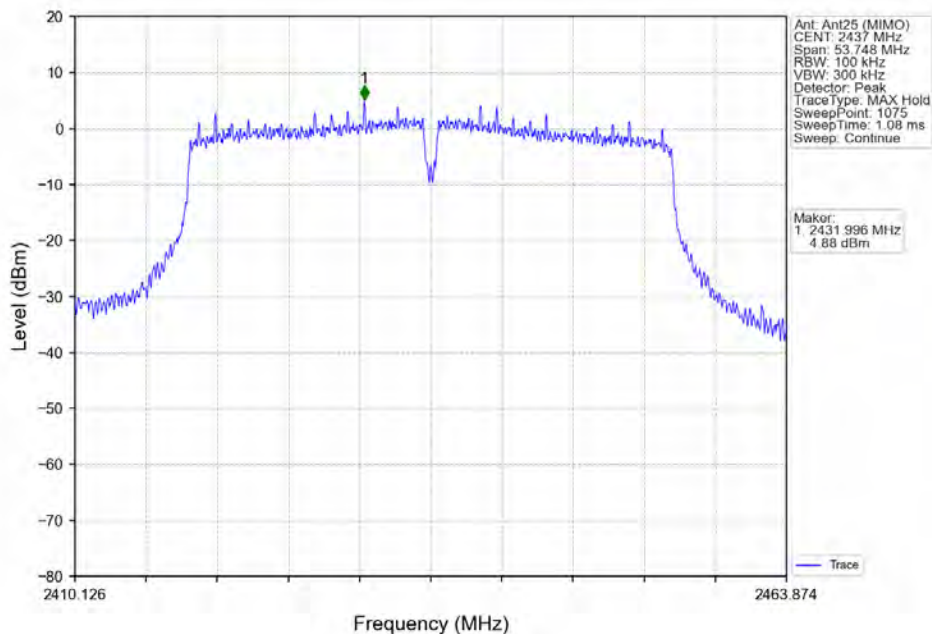
802.11n(HT40) LCH 2422MHz Ant25 (MIMO) NTVN



802.11n(HT40)_MCH_2437MHz_Ant22 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant25 (MIMO)_NTNV



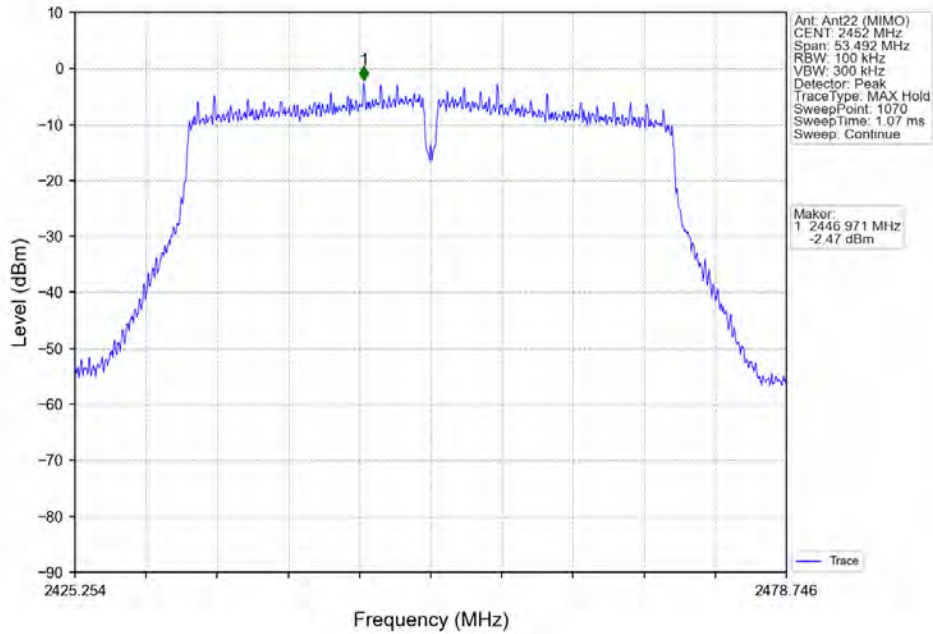
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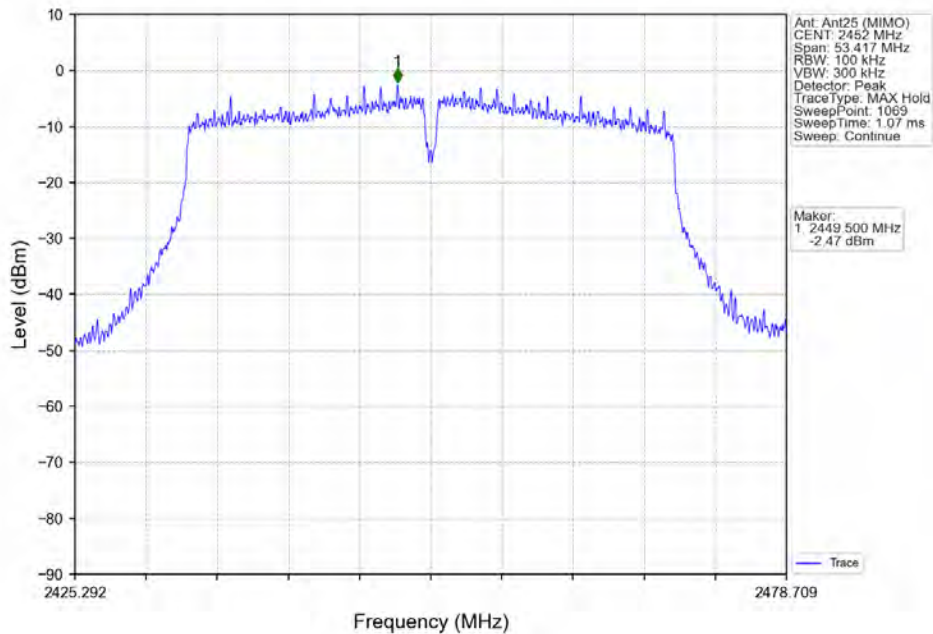
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802.11n(HT40)_HCH_2452MHz_Ant22 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant25 (MIMO)_NTNV



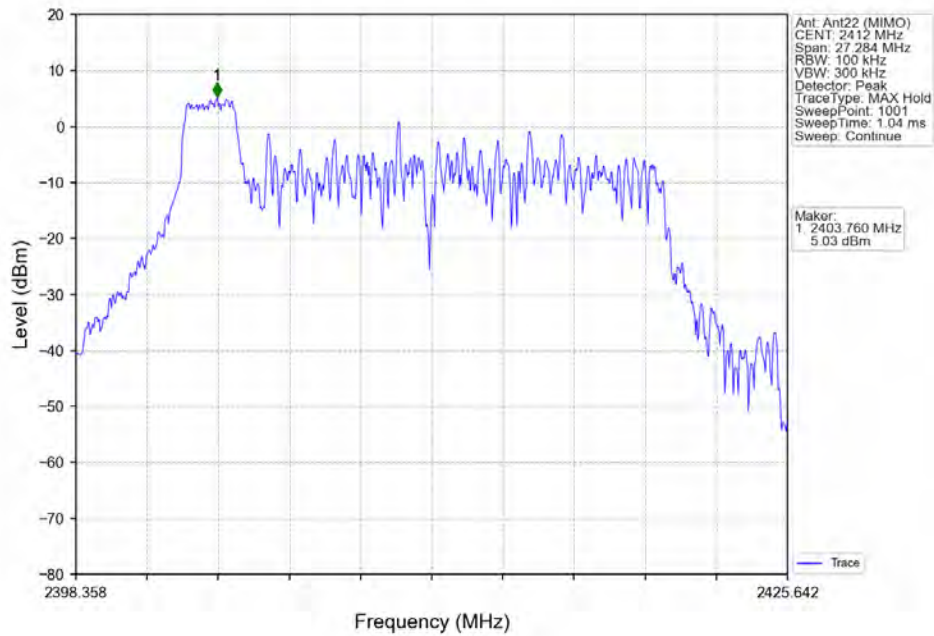
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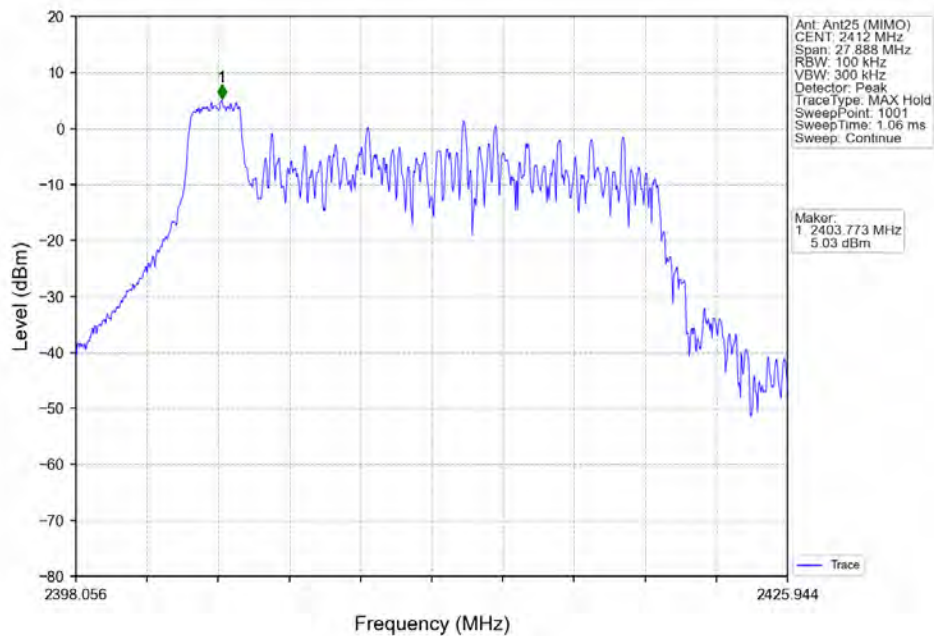
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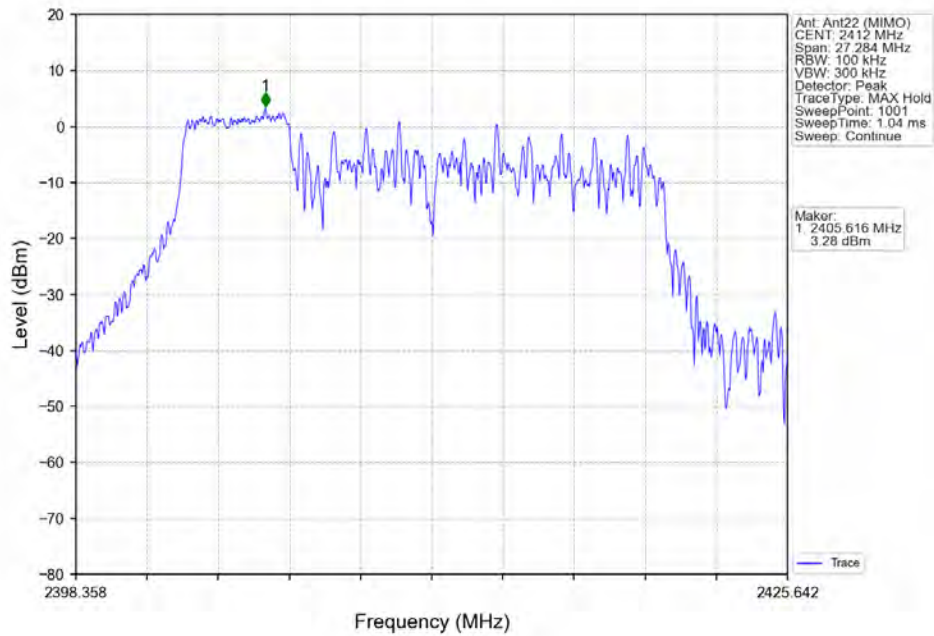
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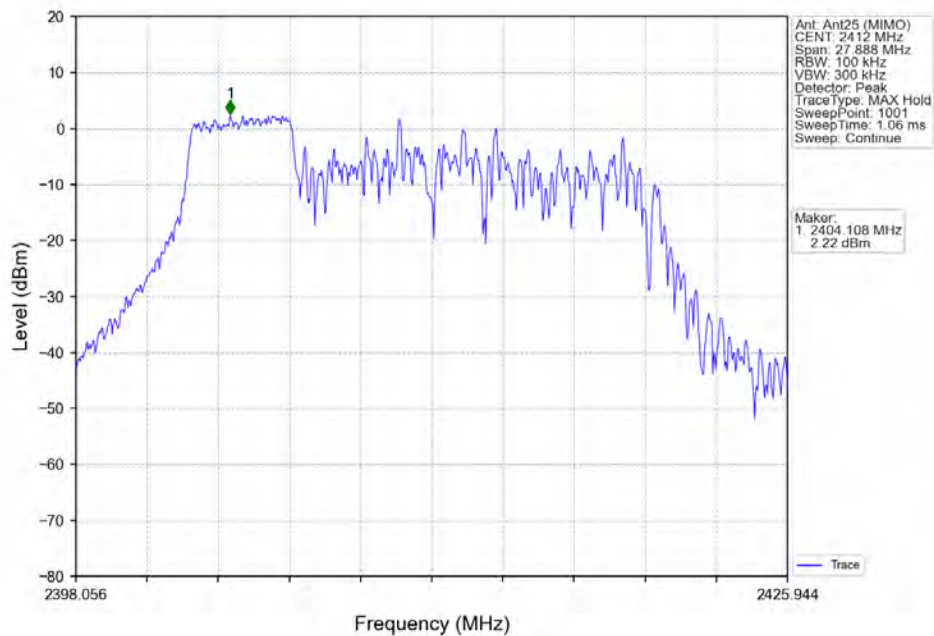
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802.11ax(HEW20) LCH 2412MHz RU52 Left Ant22 (MIMO) NTN



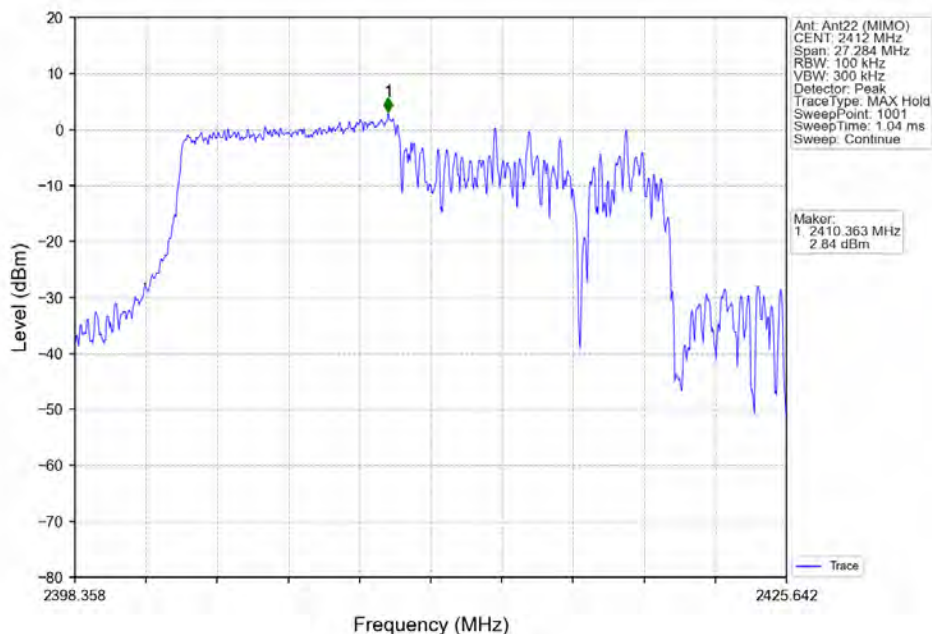
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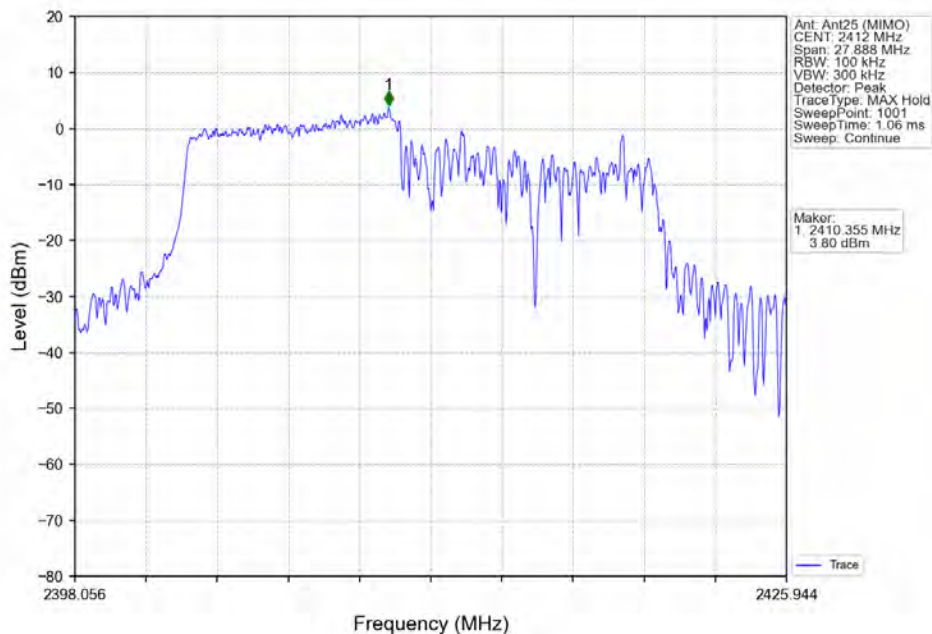
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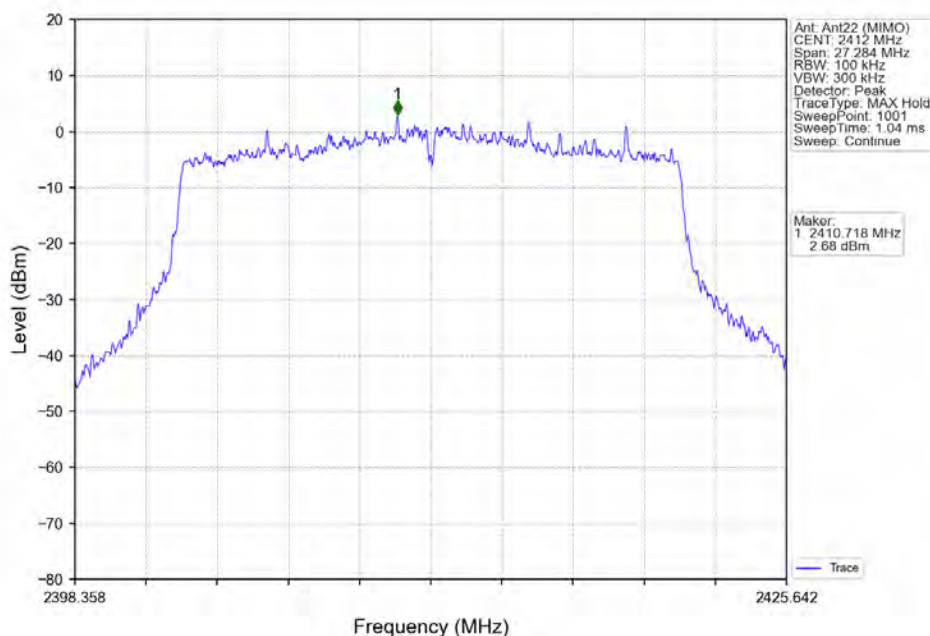
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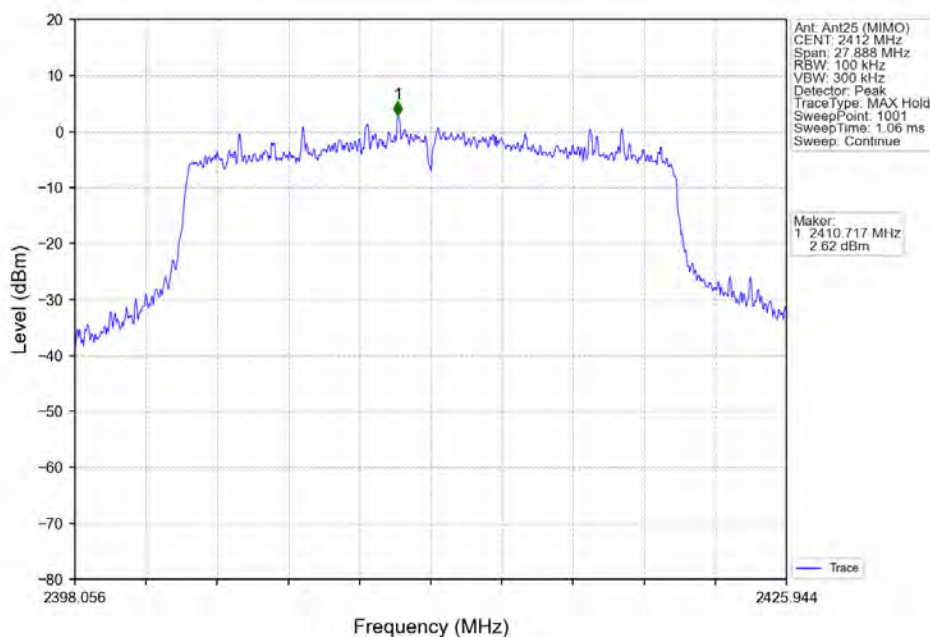
802.11ax(HEW20) LCH_2412MHz_RU106_Left_Ant25 (MIMO) NTN



802.11ax(HEW20) LCH_2412MHz_RU242_Left_Ant22 (MIMO) NTN



802.11ax(HEW20) LCH_2412MHz_RU242_Left_Ant25 (MIMO) NTN



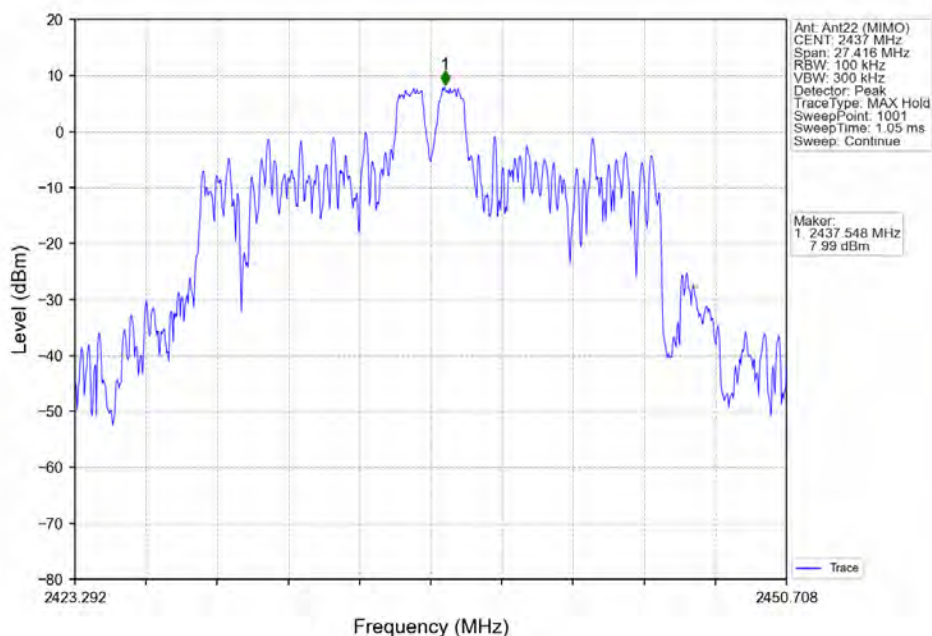
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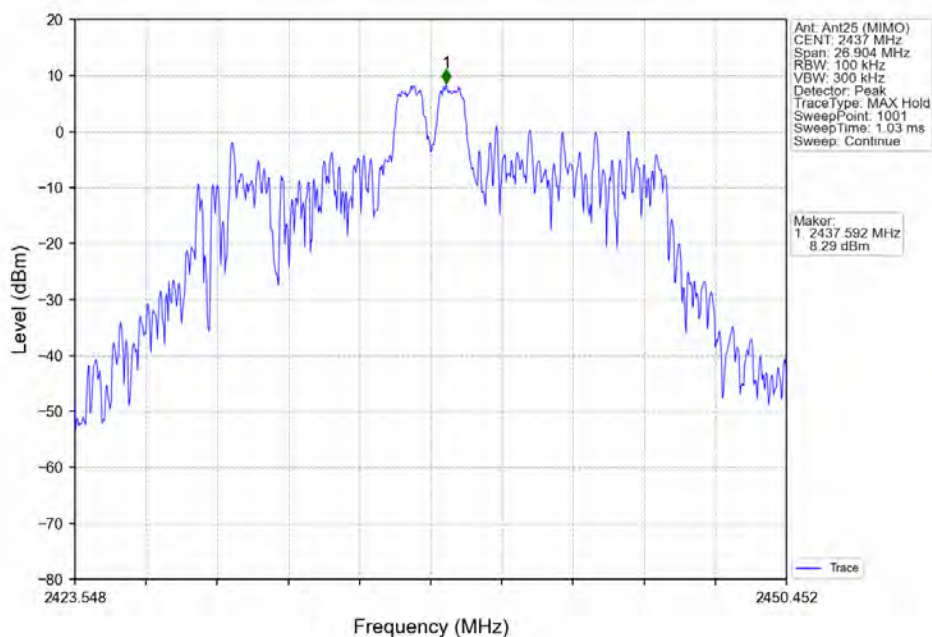
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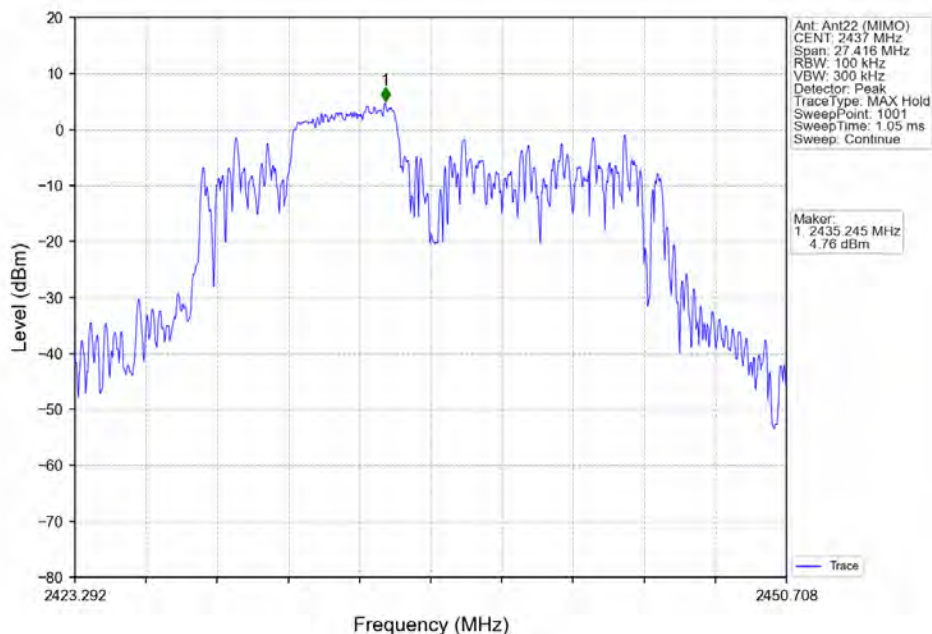
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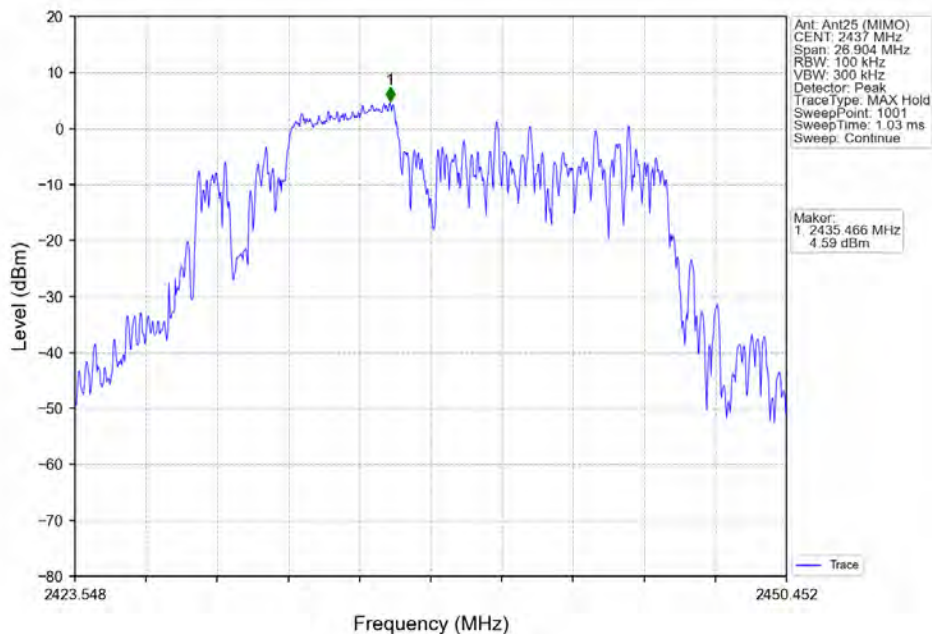
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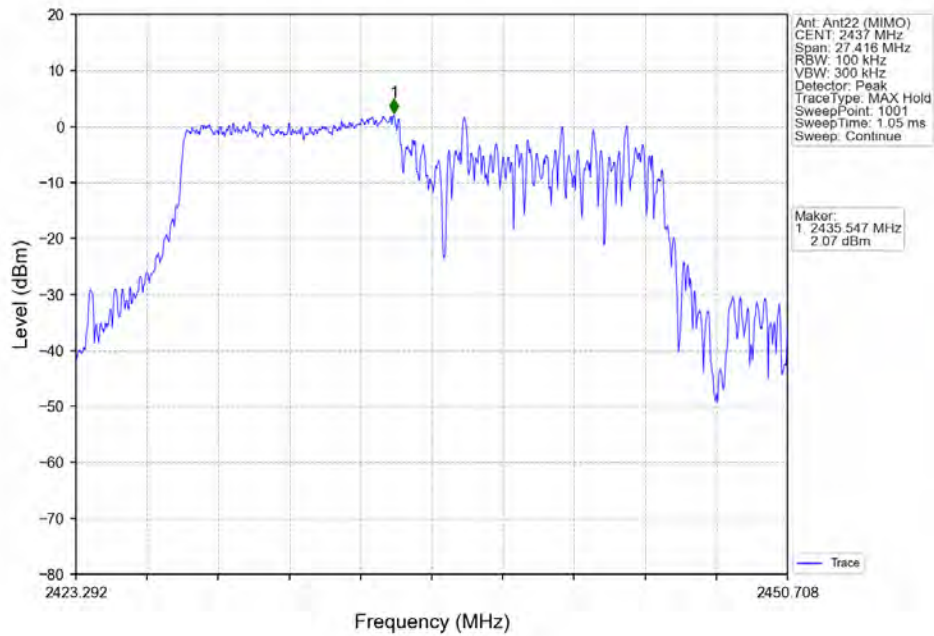
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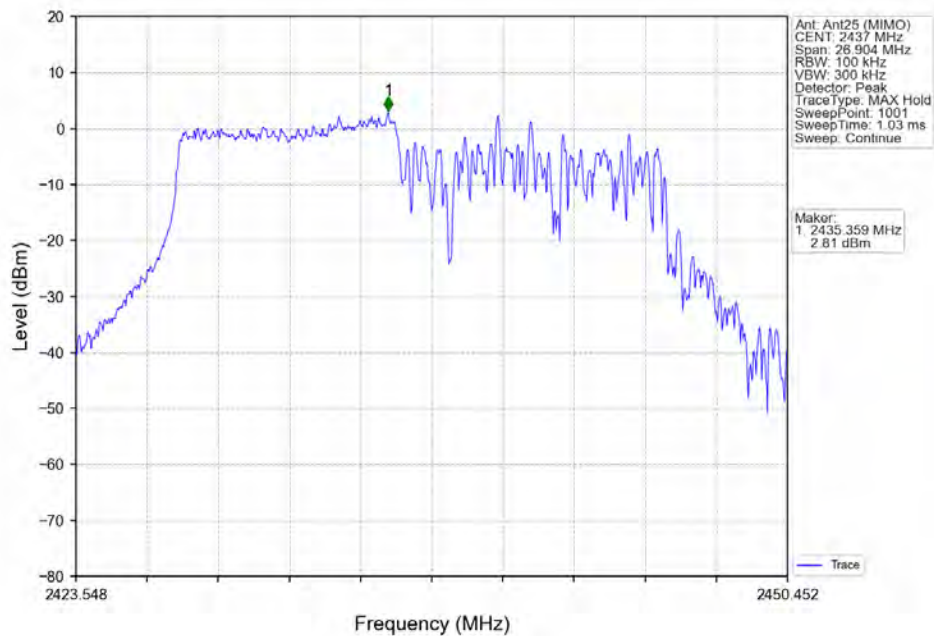
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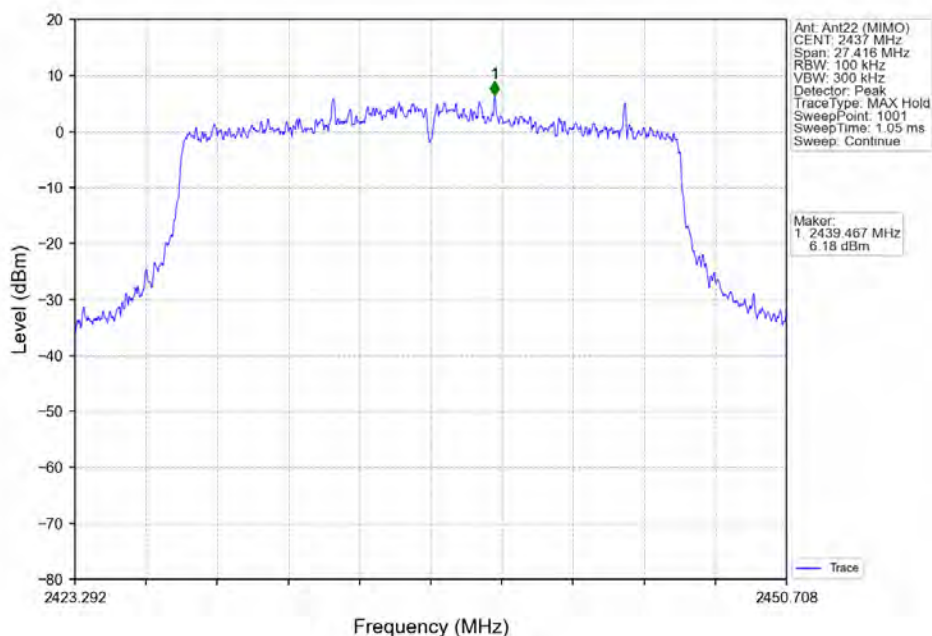
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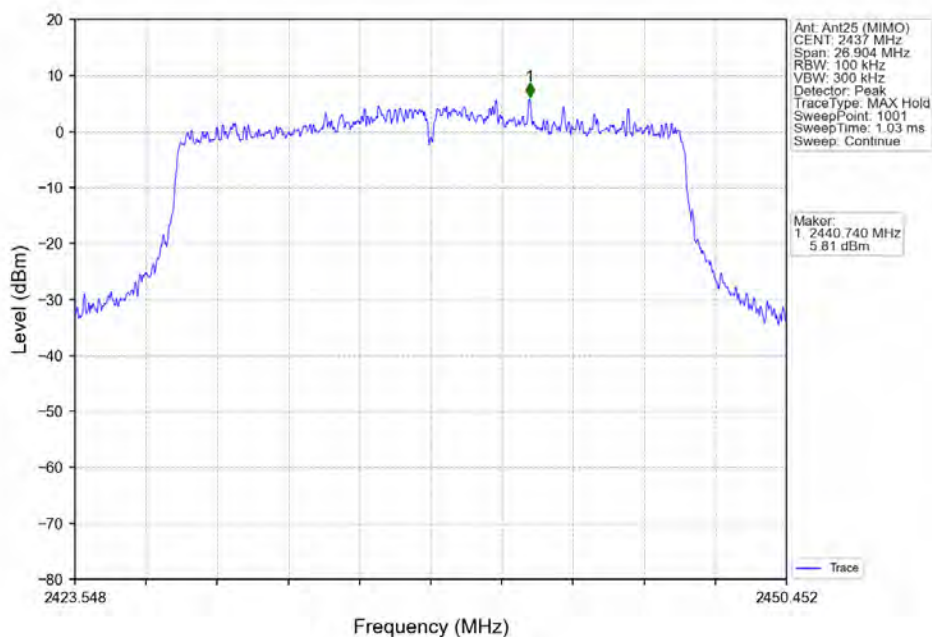
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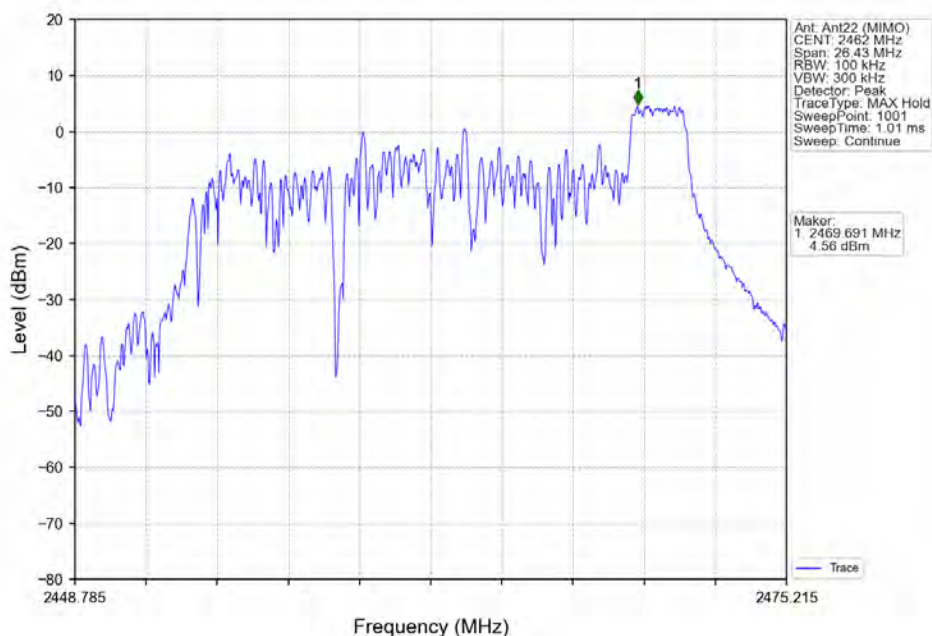
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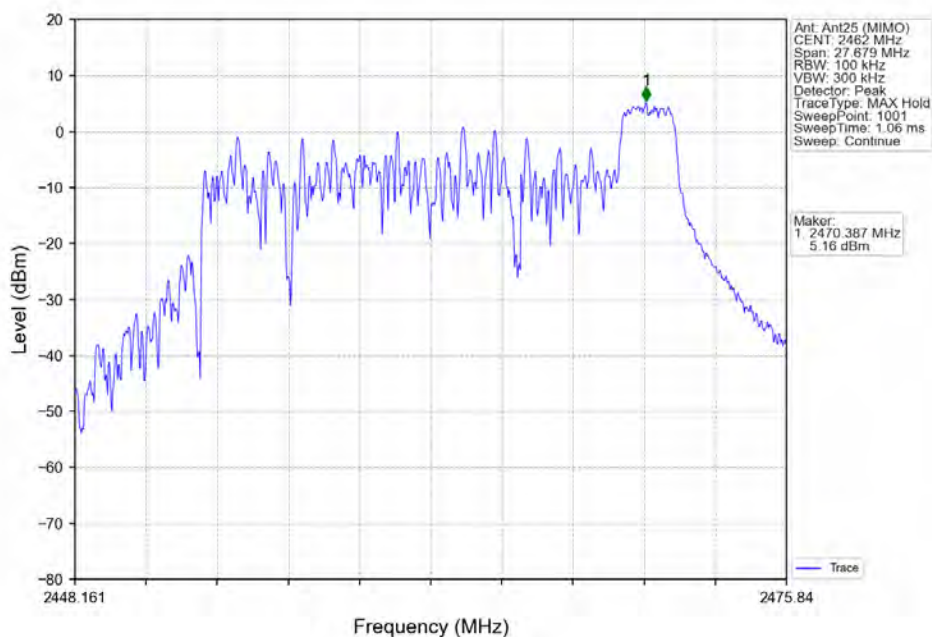
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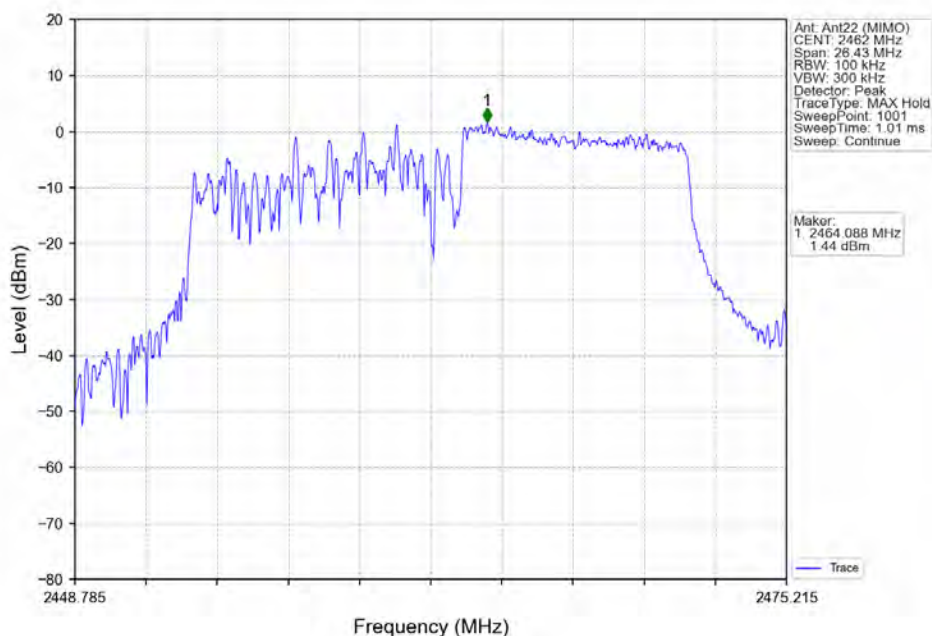
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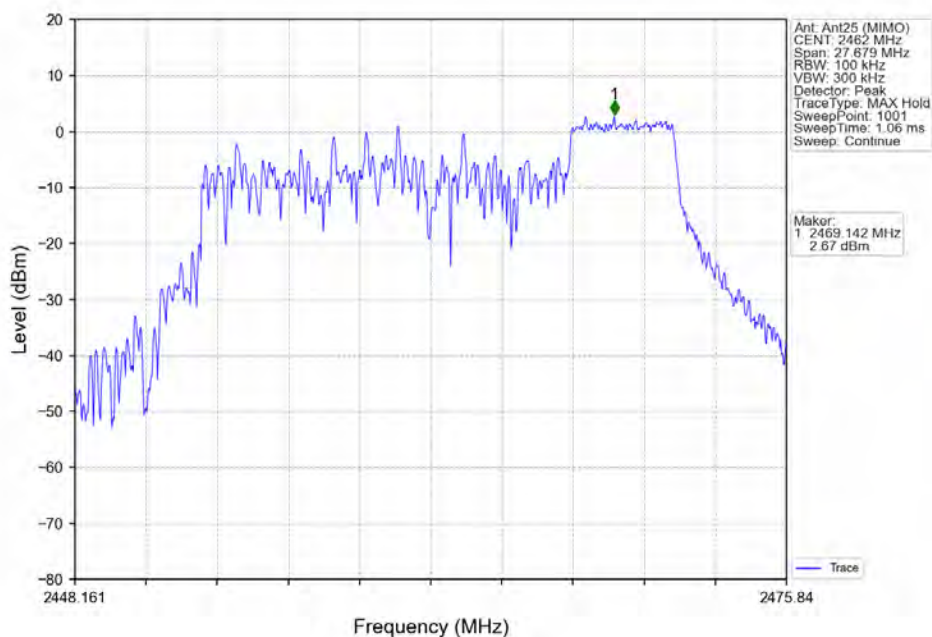
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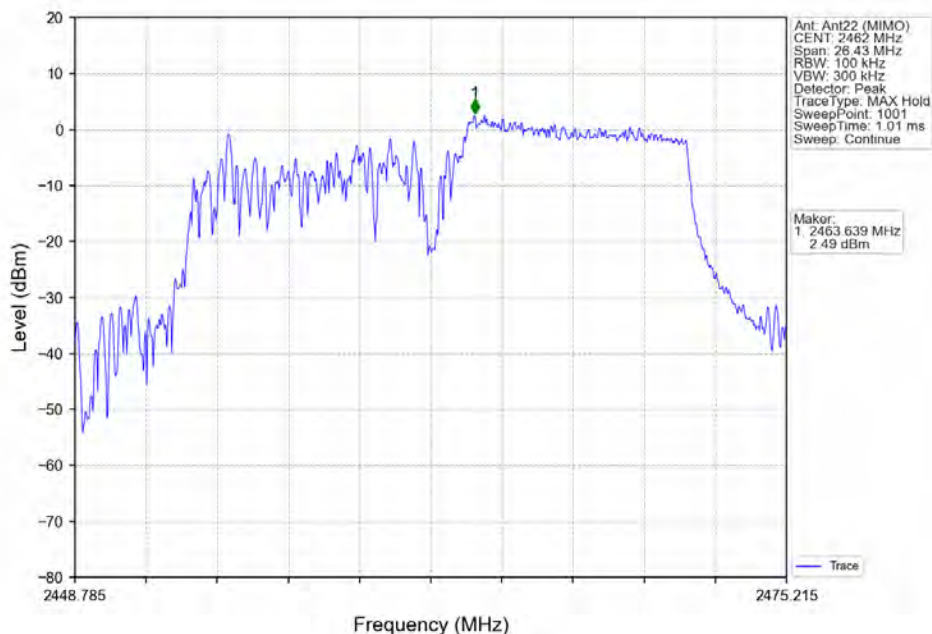
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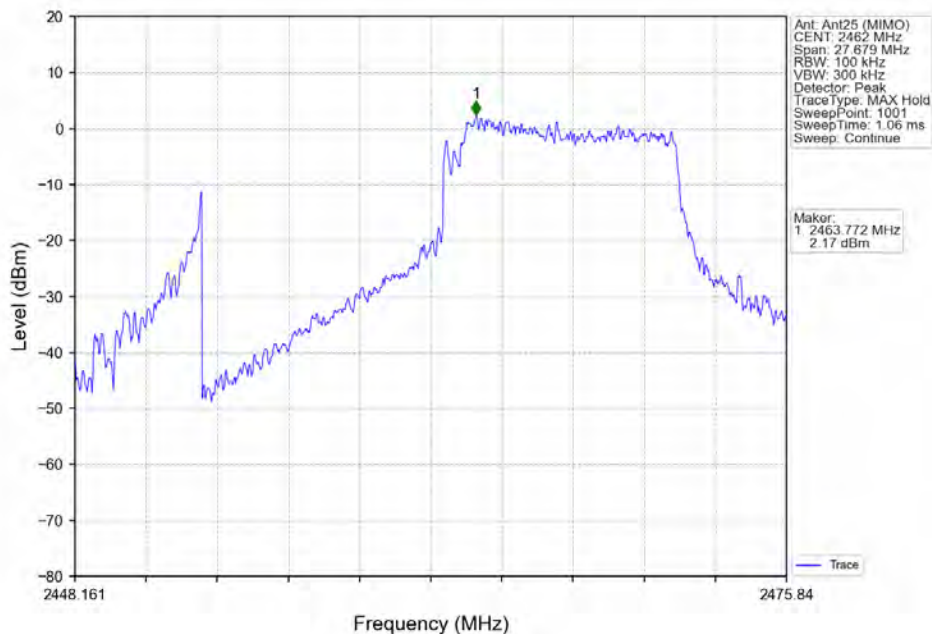
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802.11ax(HEW20)_HCH_2462MHz_RU106_Right_Ant22 (MIMO)_NTNV



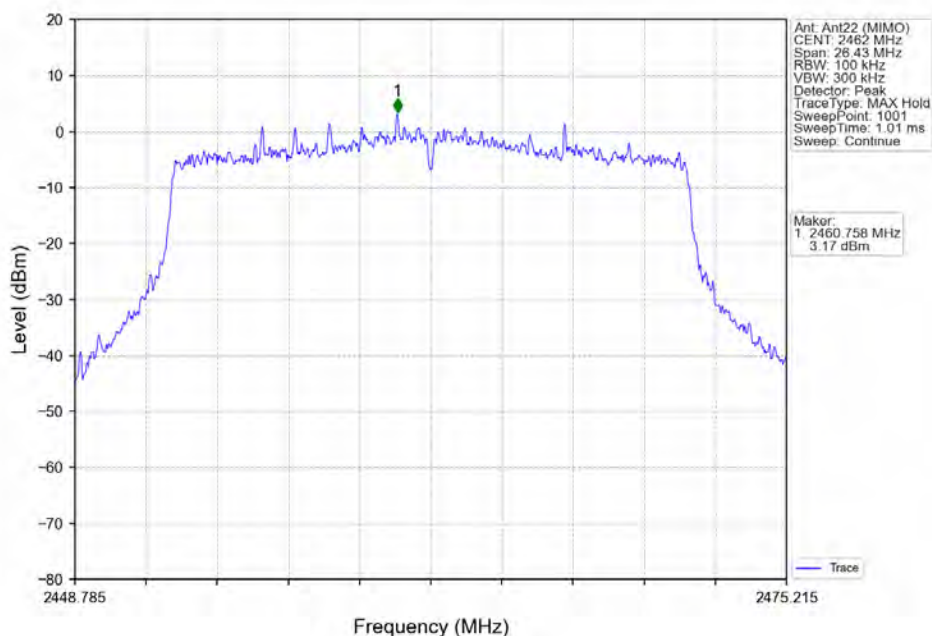
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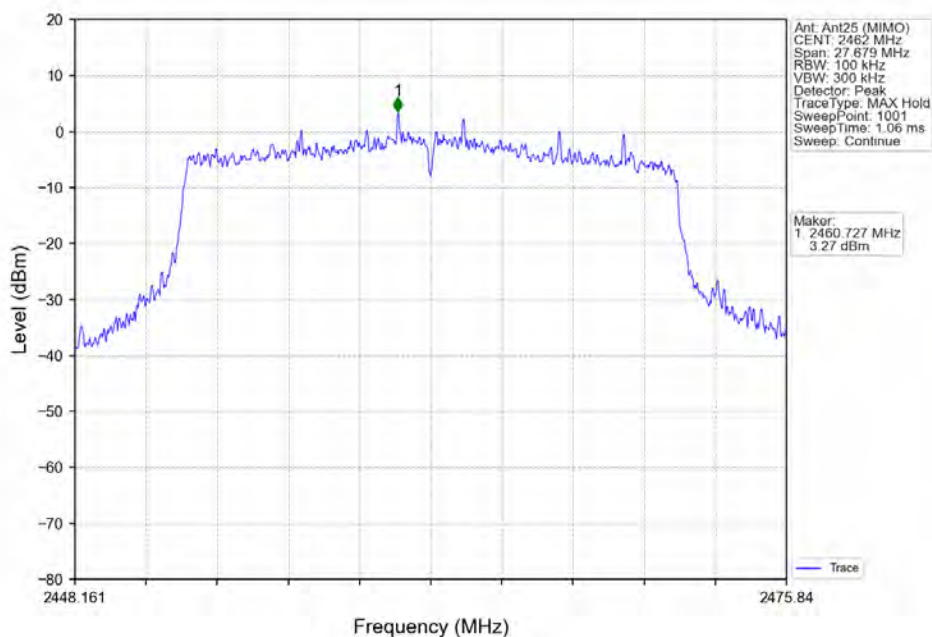
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802.11ax(HEW20) HCH 2462MHz RU242 Left Ant25 (MIMO) NTV



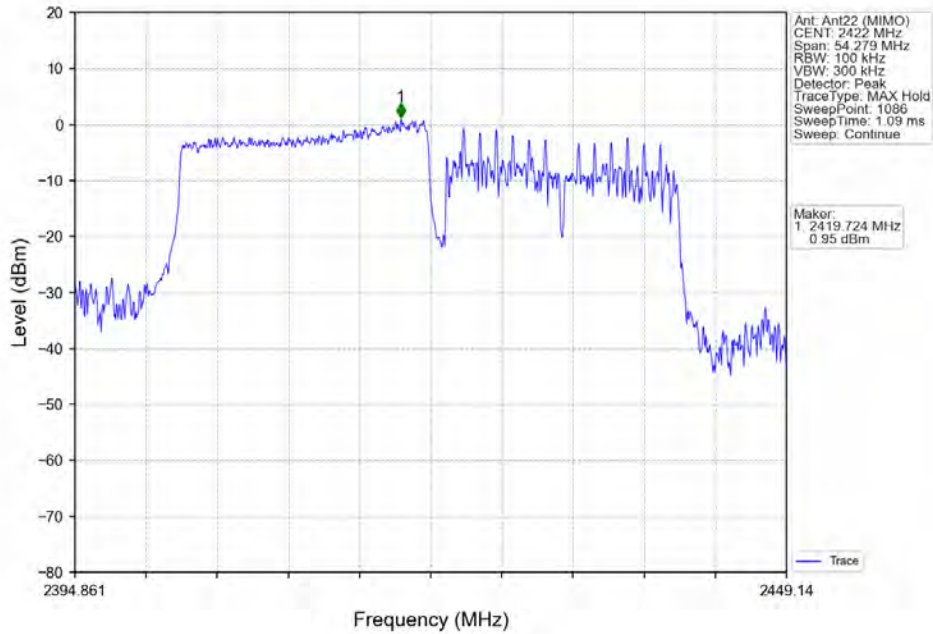
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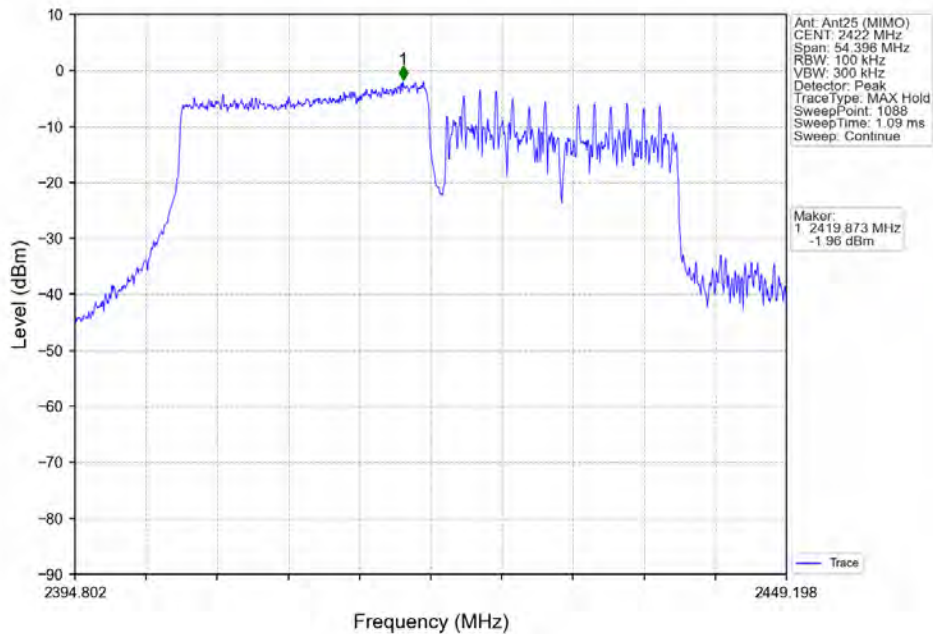
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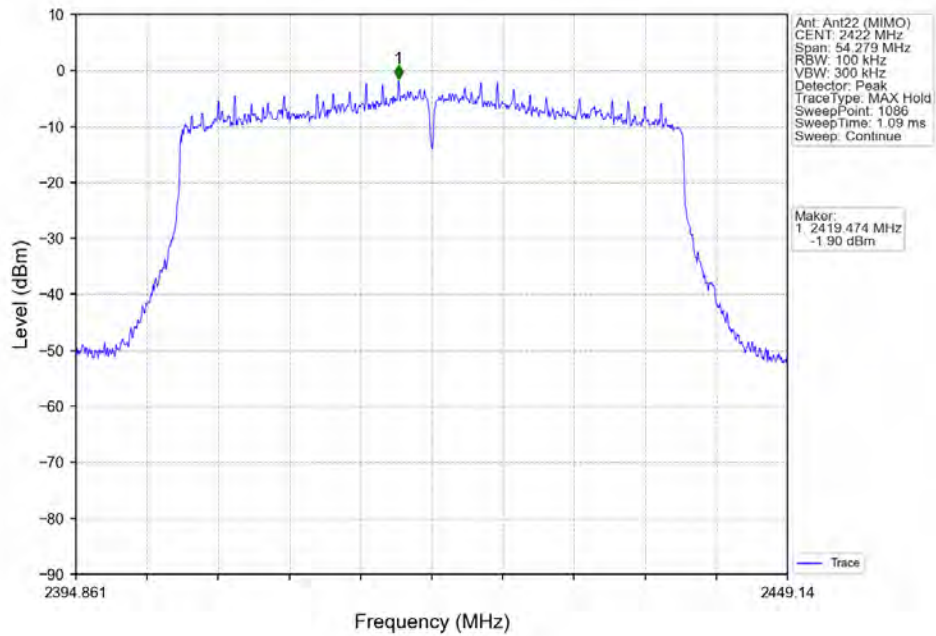
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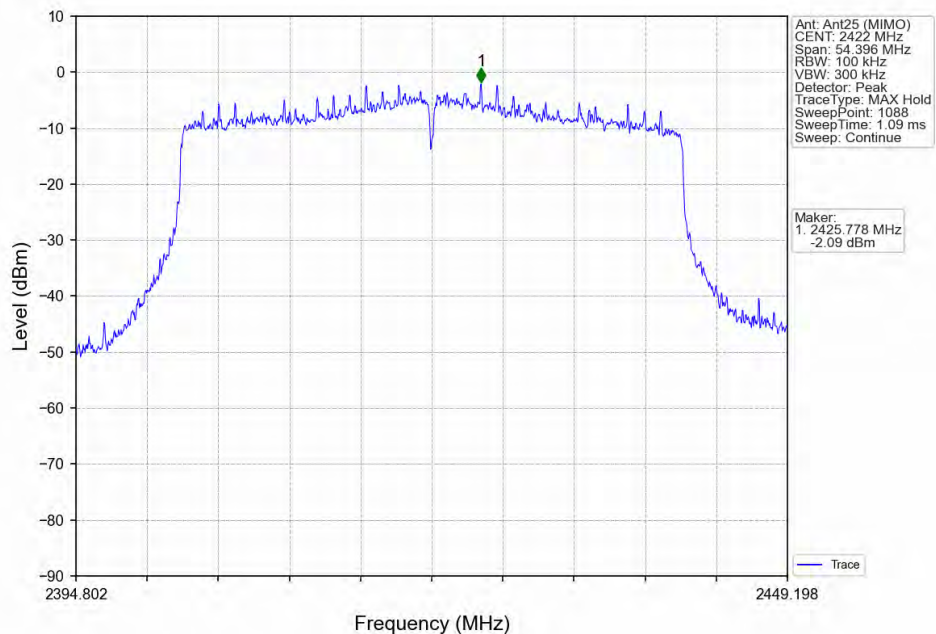
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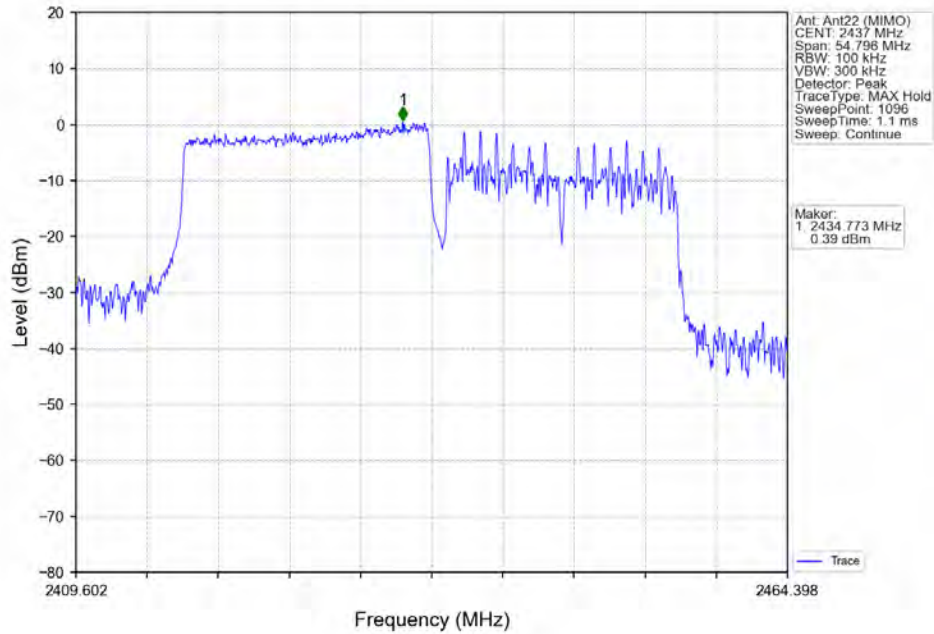
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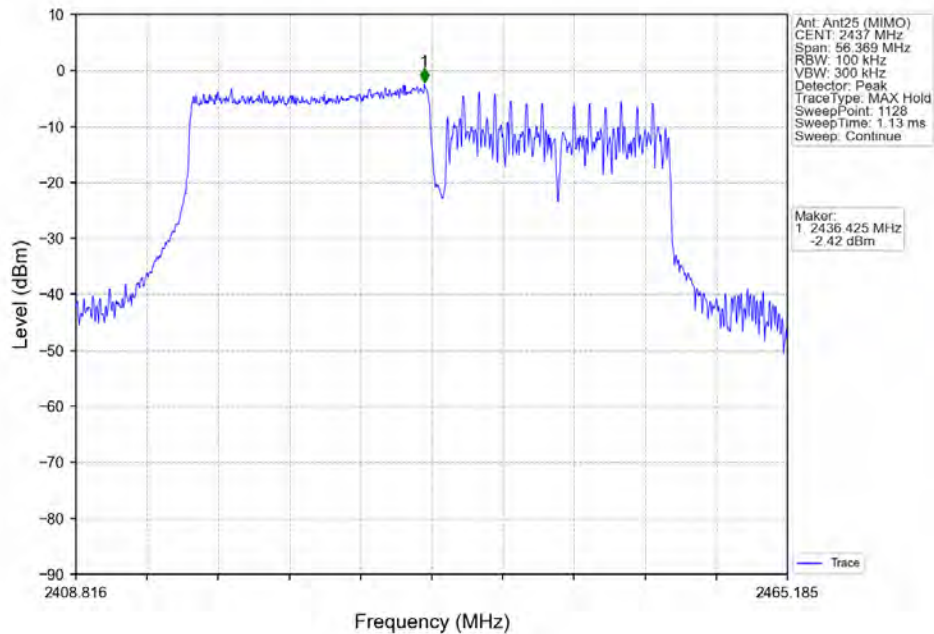
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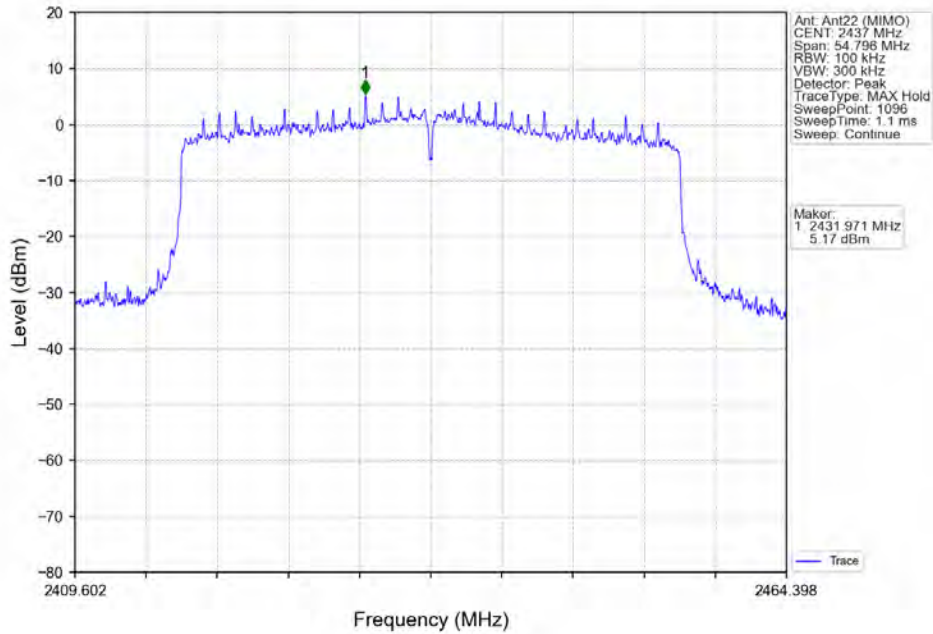
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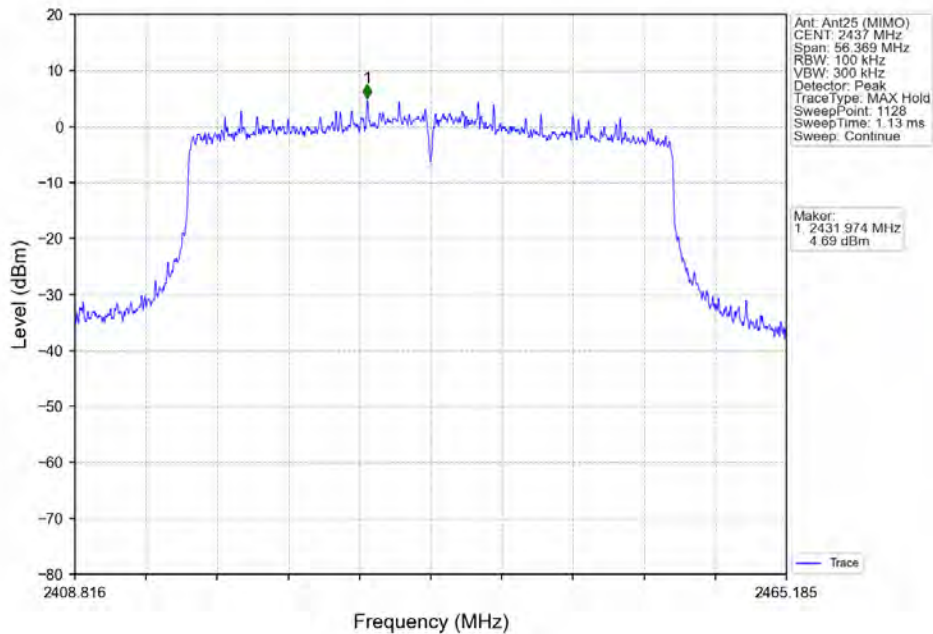
802.11ax(HEW40) MCH 2437MHz RU242 Left Ant25 (MIMO) NTV



802.11ax(HEW40) MCH 2437MHz RU484 Left Ant22 (MIMO) NTV



802.11ax(HEW40) MCH 2437MHz RU484 Left Ant25 (MIMO) NTV



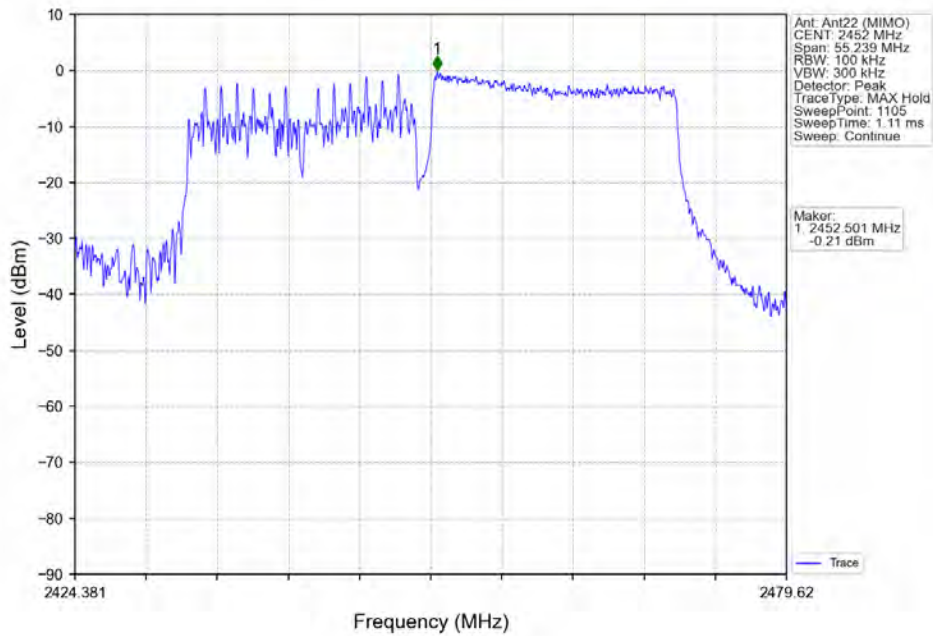
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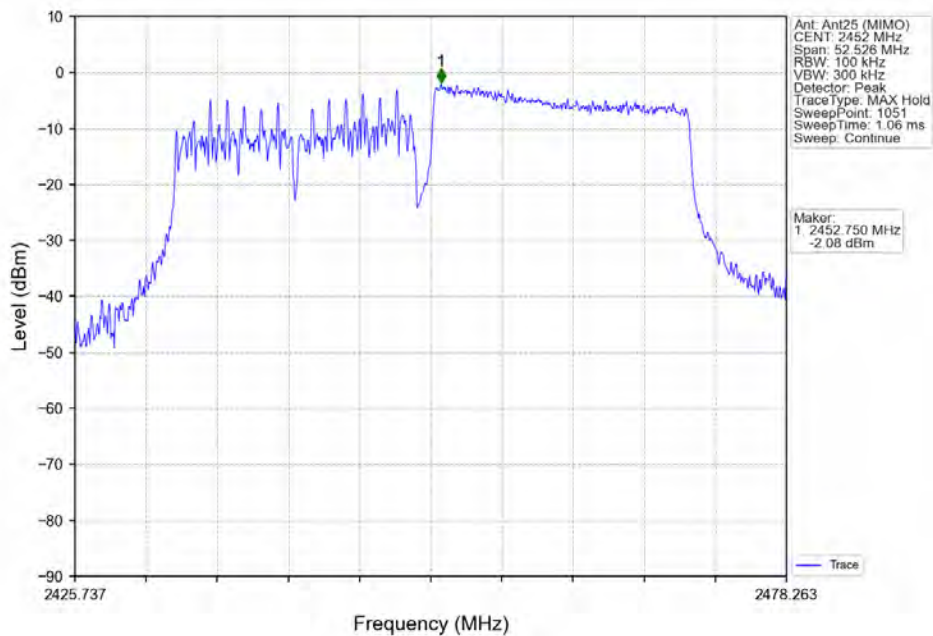
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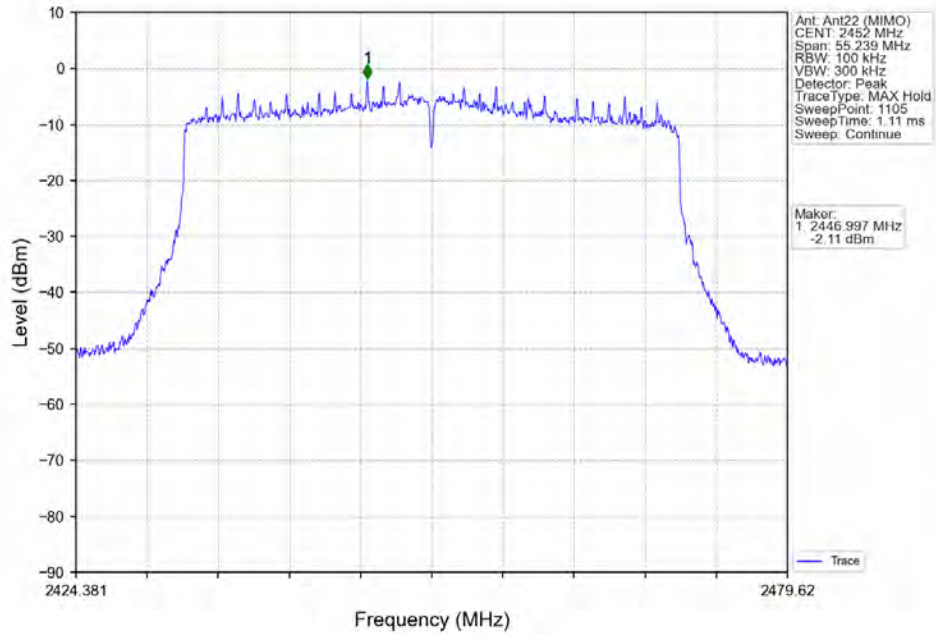
802.11ax(HEW40) HCH 2452MHz RU242 Right Ant22 (MIMO) NTNV



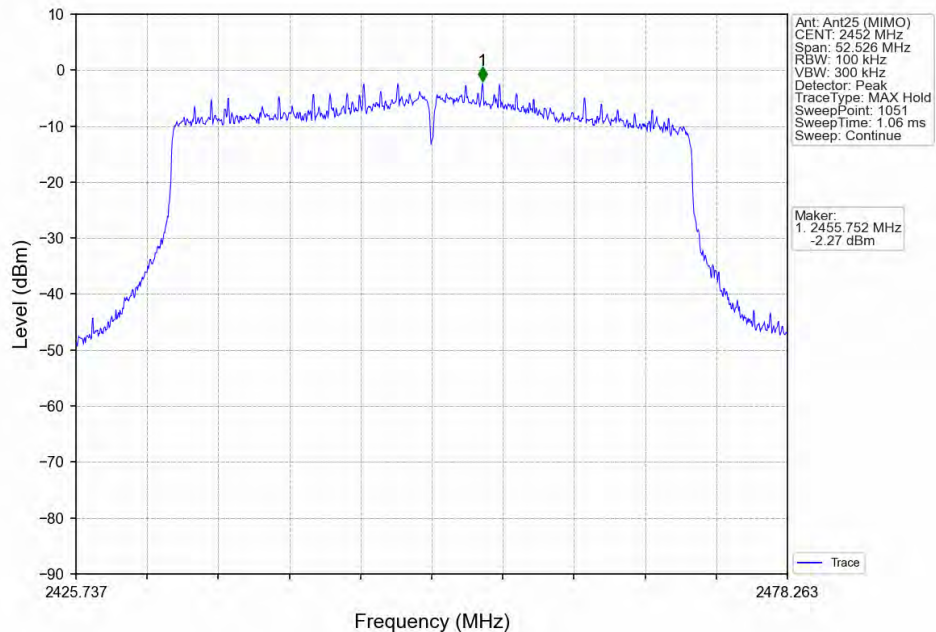
802.11ax(HEW40) HCH 2452MHz RU242 Right Ant25 (MIMO) NTNV



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant22 (MIMO) NTVN



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant25 (MIMO) NTVN



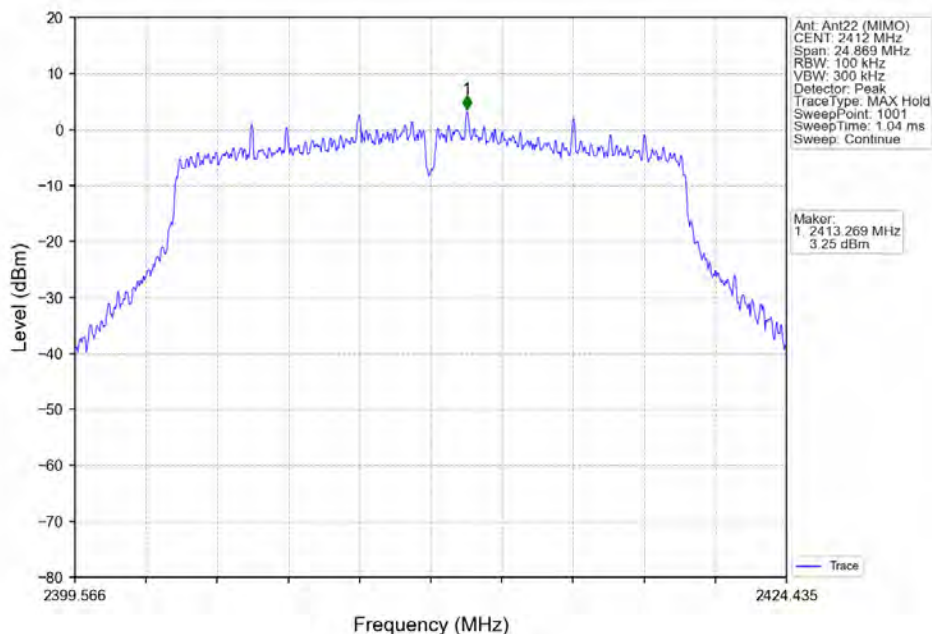
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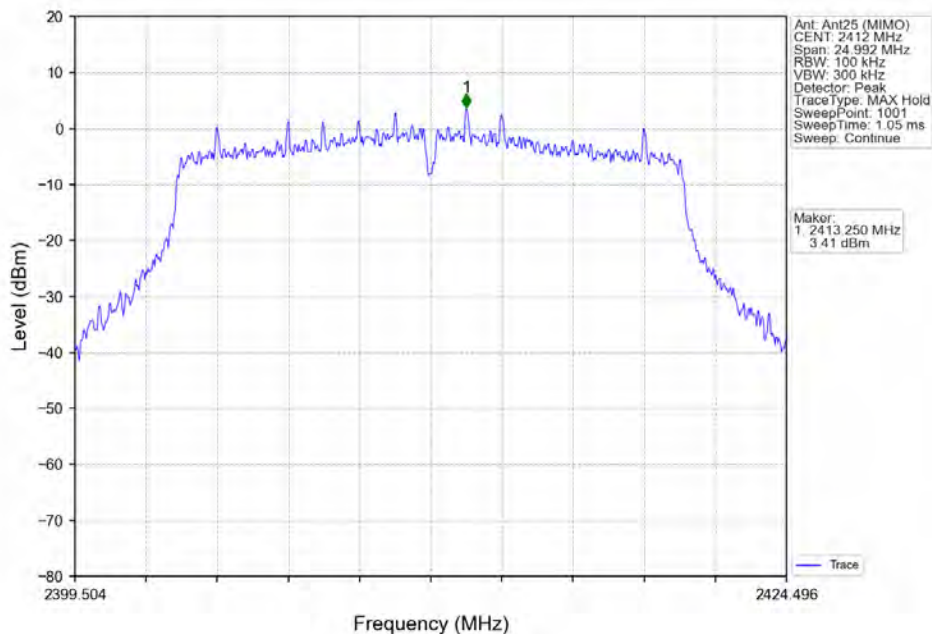
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802.11ac(VHT20)_LCH_2412MHz_Ant22 (MIMO)_NTNV



802.11ac(VHT20)_LCH_2412MHz_Ant25 (MIMO)_NTNV



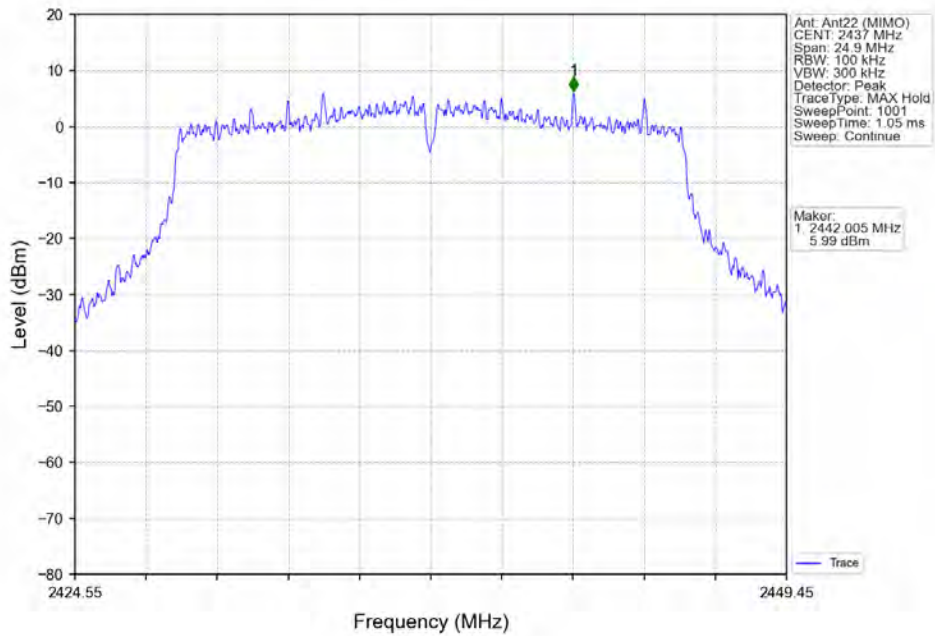
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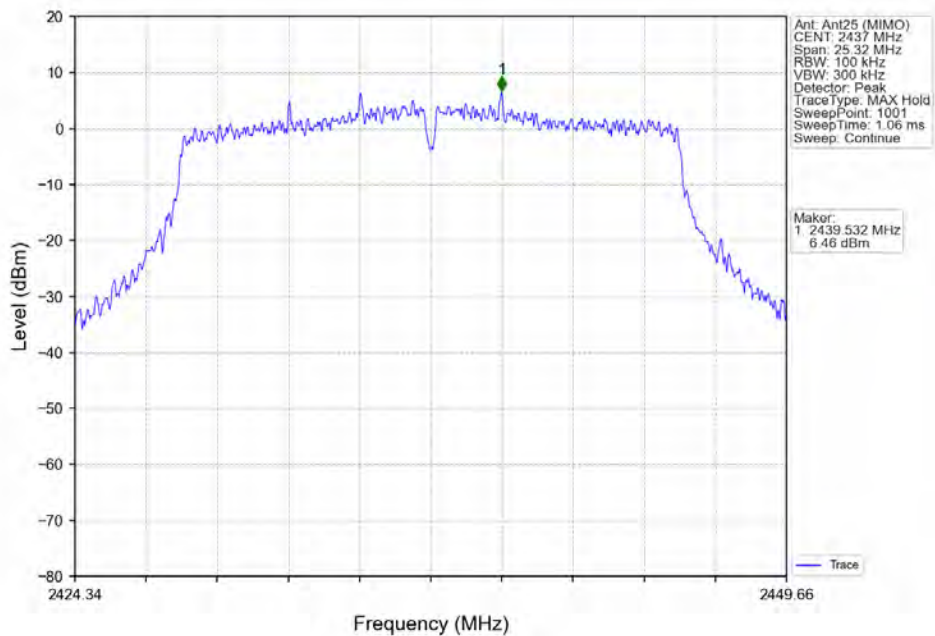
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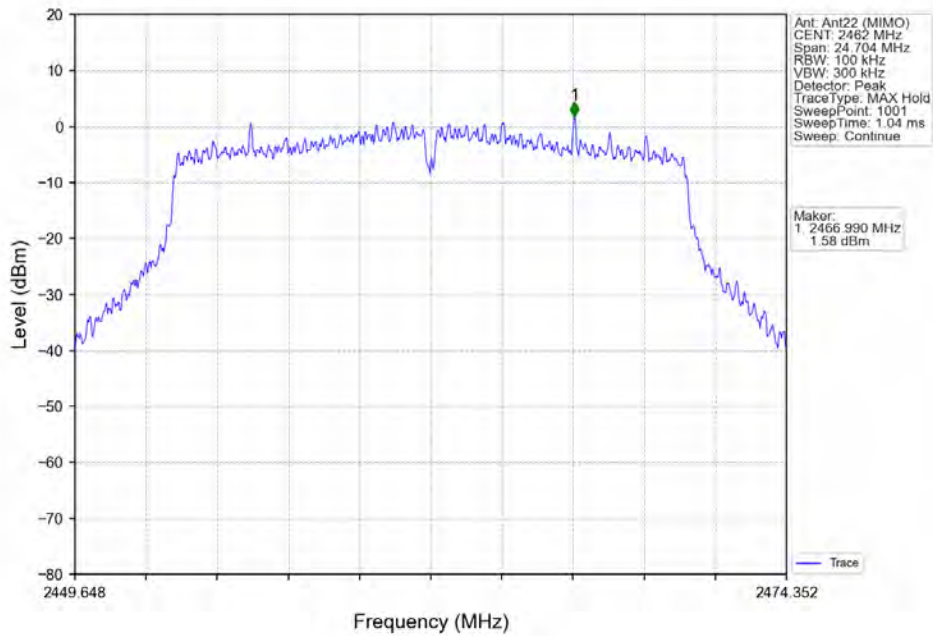
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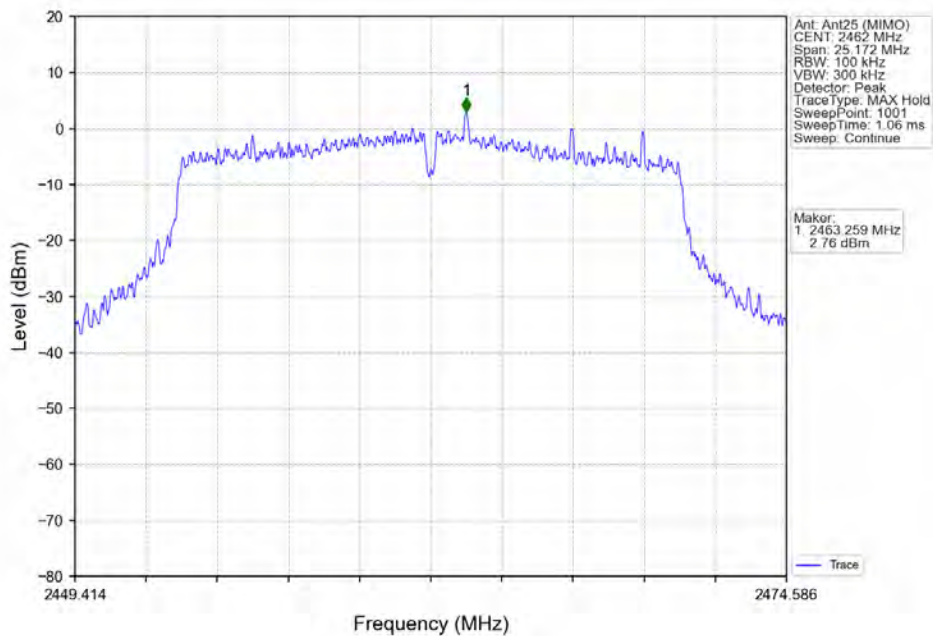
802.11ac(VHT20)_MCH_2437MHz_Ant25 (MIMO)_NTNV



802.11ac(VHT20) HCH 2462MHz Ant22 (MIMO) NTNV



802.11ac(VHT20) HCH 2462MHz Ant25 (MIMO) NTNV



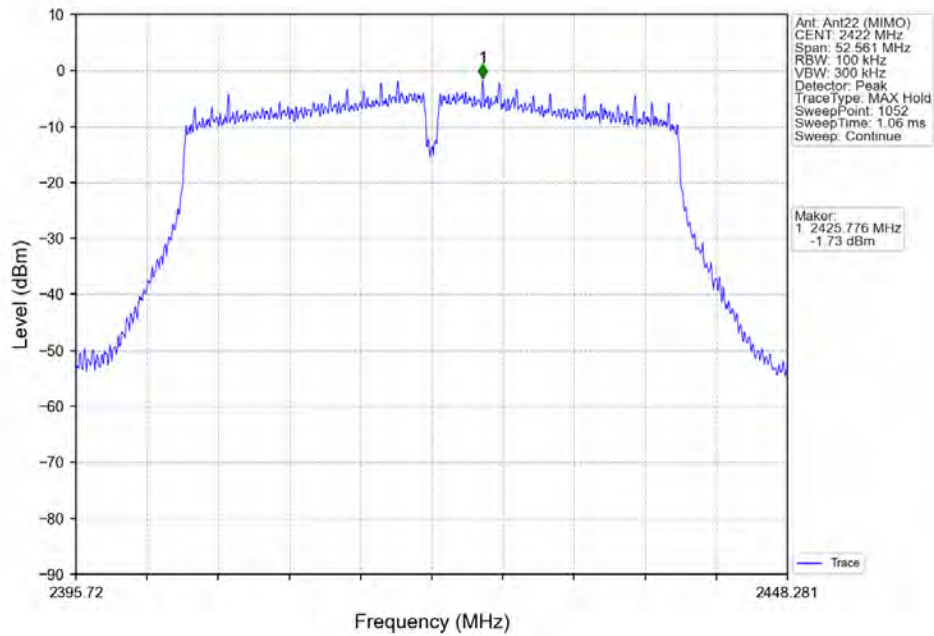
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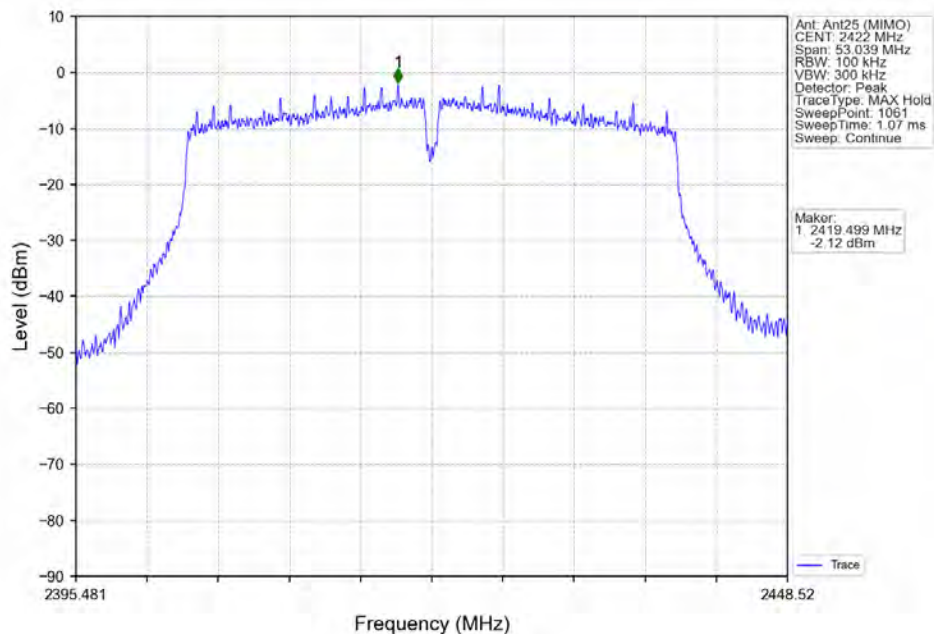
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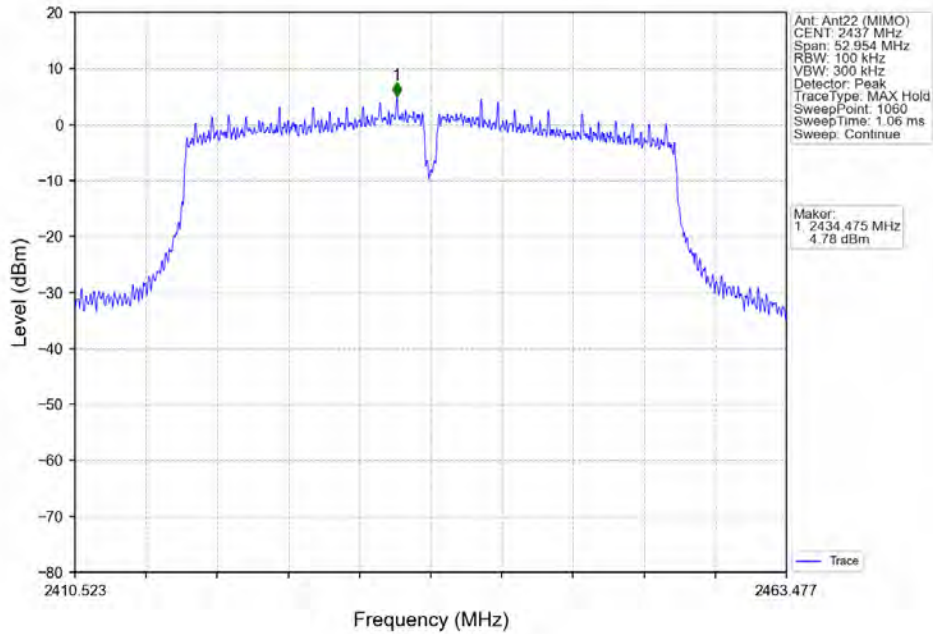
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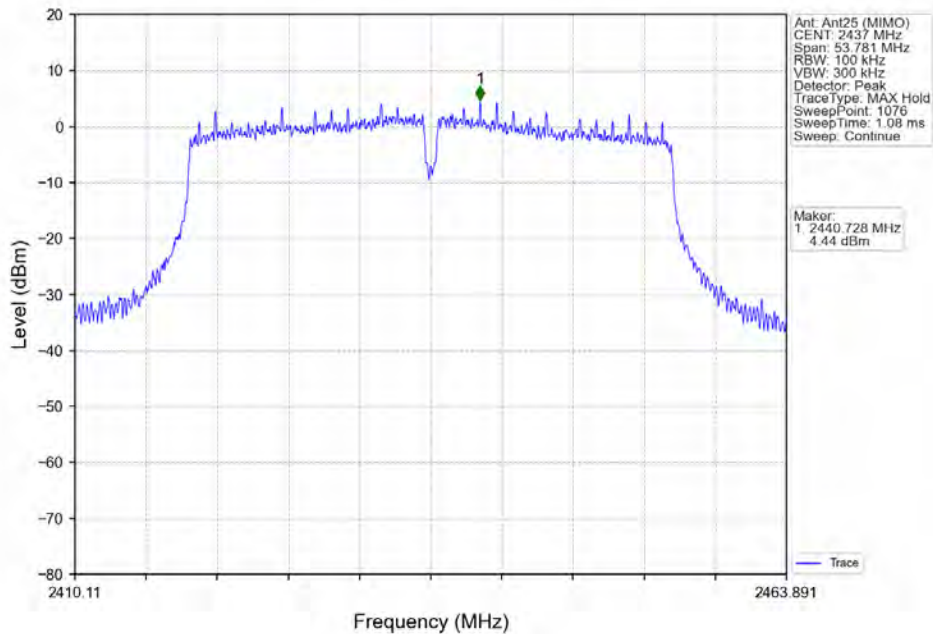
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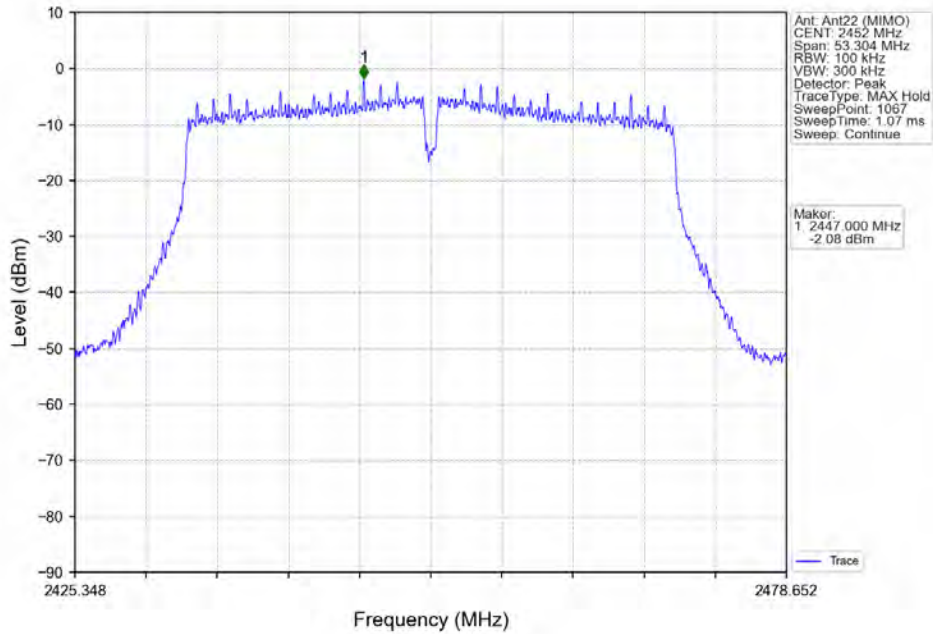
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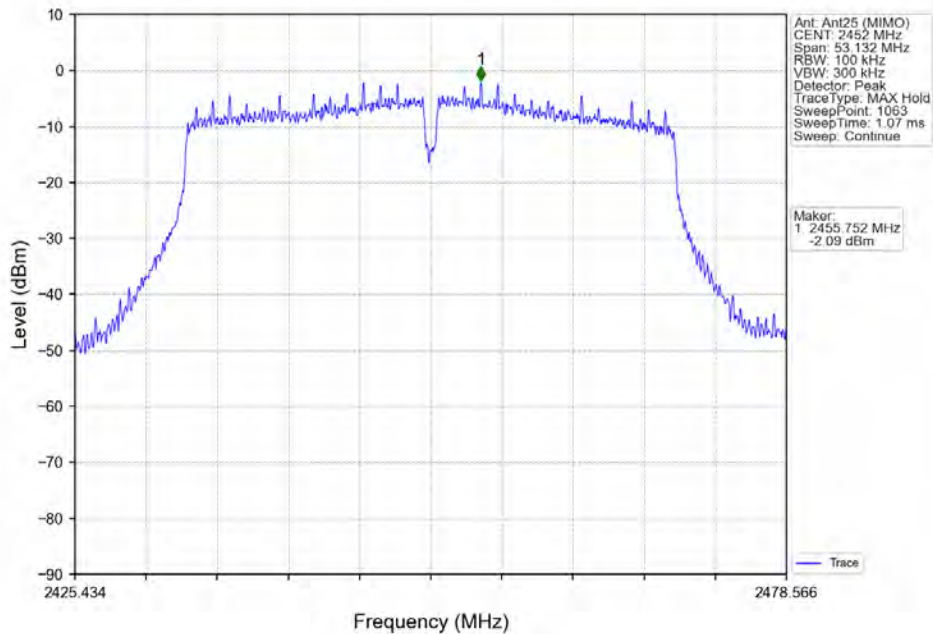
802.11ac(VHT40)_MCH_2437MHz_Ant25 (MIMO)_NTNV



802.11ac(VHT40) HCH 2452MHz Ant22 (MIMO) NTNV



802.11ac(VHT40) HCH 2452MHz Ant25 (MIMO) NTNV



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240400130705

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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	MIMO	2412	/	/	22	9.85	-10.15	Pass
					25	5.04	-14.96	Pass
		2437	/	/	22	9.85	-10.15	Pass
					25	9.44	-10.56	Pass
		2462	/	/	22	9.85	-10.15	Pass
					25	6.55	-13.45	Pass
802.11g	MIMO	2412	/	/	22	8.74	-11.26	Pass
					25	4.25	-15.75	Pass
		2437	/	/	22	8.74	-11.26	Pass
					25	8.94	-11.06	Pass
		2462	/	/	22	8.74	-11.26	Pass
					25	3.91	-16.09	Pass
802.11n (HT20)	MIMO	2412	/	/	22	6.53	-13.47	Pass
					25	1.90	-18.10	Pass
		2437	/	/	22	6.53	-13.47	Pass
					25	6.69	-13.31	Pass
		2462	/	/	22	6.53	-13.47	Pass
					25	0.52	-19.48	Pass
802.11n (HT40)	MIMO	2422	/	/	22	5.32	-14.68	Pass
					25	-2.27	-22.27	Pass
		2437	/	/	22	5.32	-14.68	Pass
					25	4.88	-15.12	Pass
		2452	/	/	22	5.32	-14.68	Pass
					25	-2.47	-22.47	Pass
802.11ax (HEW20)	MIMO	2412	RU26	Left	22	5.03	-14.97	Pass
					25	5.03	-14.97	Pass
			RU52	Left	22	7.99	-12.01	Pass
					25	2.22	-17.78	Pass
			RU106	Left	22	7.99	-12.01	Pass
					25	3.80	-16.20	Pass
			RU242	Left	22	7.99	-12.01	Pass
					25	2.62	-17.38	Pass
		2437	RU26	Mid	22	7.99	-12.01	Pass
					25	8.29	-11.71	Pass
			RU52	Mid	22	4.76	-15.24	Pass
					25	4.59	-15.41	Pass
			RU106	Left	22	2.07	-17.93	Pass
					25	2.81	-17.19	Pass
			RU242	Left	22	6.18	-13.82	Pass
					25	6.18	-13.82	Pass



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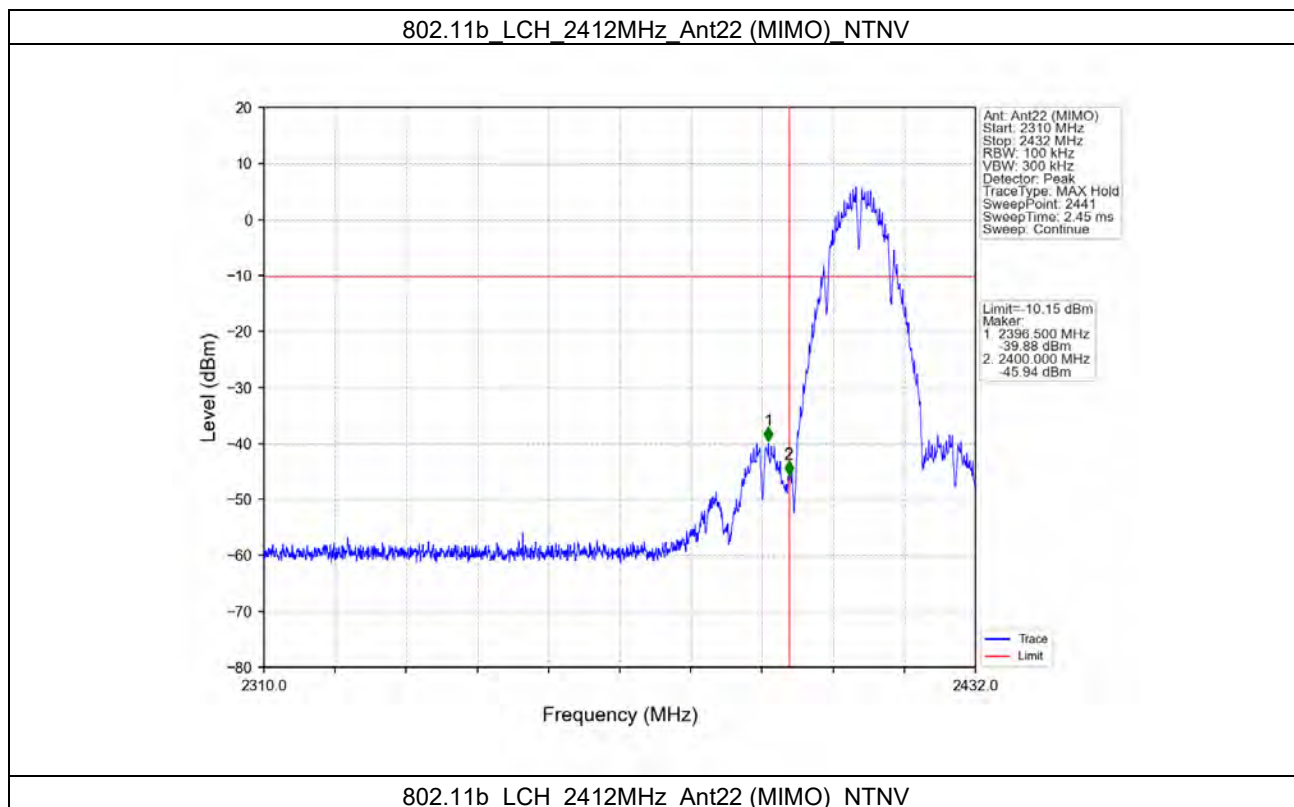
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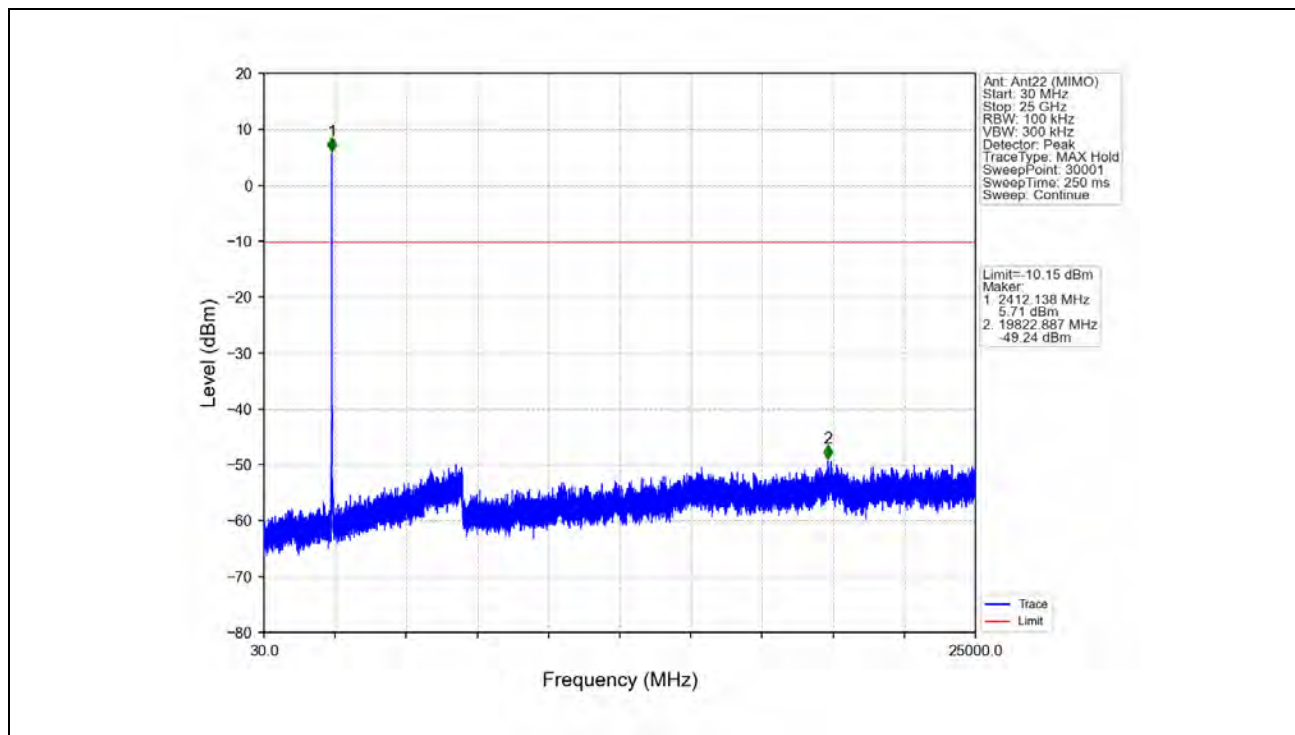
Page: 268 of 330

					25	5.81	-14.19	Pass
		2462	RU26	Right	22	4.56	-15.44	Pass
					25	5.16	-14.84	Pass
			RU52	Right	22	1.44	-18.56	Pass
					25	2.67	-17.33	Pass
			RU106	Right	22	2.49	-17.51	Pass
					25	2.17	-17.83	Pass
			RU242	Left	22	3.17	-16.83	Pass
					25	3.27	-16.73	Pass
		802.11ax (HEW40)	MIMO	2422	RU242	Left	22	0.95
25	-1.96						-21.96	Pass
RU484	Left				22	-1.90	-21.90	Pass
					25	-2.09	-22.09	Pass
2437	RU242			Left	22	0.39	-19.61	Pass
					25	-2.42	-22.42	Pass
	RU484			Left	22	5.17	-14.83	Pass
					25	4.69	-15.31	Pass
2452	RU242			Right	22	-0.21	-20.21	Pass
					25	-2.08	-22.08	Pass
	RU484	Left	22	-2.11	-22.11	Pass		
			25	-2.27	-22.27	Pass		
802.11ac (VHT20)	MIMO	2412	/	/	22	3.25	-16.75	Pass
					25	3.41	-16.59	Pass
		2437	/	/	22	5.99	-14.01	Pass
					25	6.46	-13.54	Pass
		2462	/	/	22	1.58	-18.42	Pass
					25	2.76	-17.24	Pass
802.11ac (VHT40)	MIMO	2422	/	/	22	-1.73	-21.73	Pass
					25	-2.12	-22.12	Pass
		2437	/	/	22	4.78	-15.22	Pass
					25	4.44	-15.56	Pass
		2452	/	/	22	-2.08	-22.08	Pass
					25	-2.09	-22.09	Pass

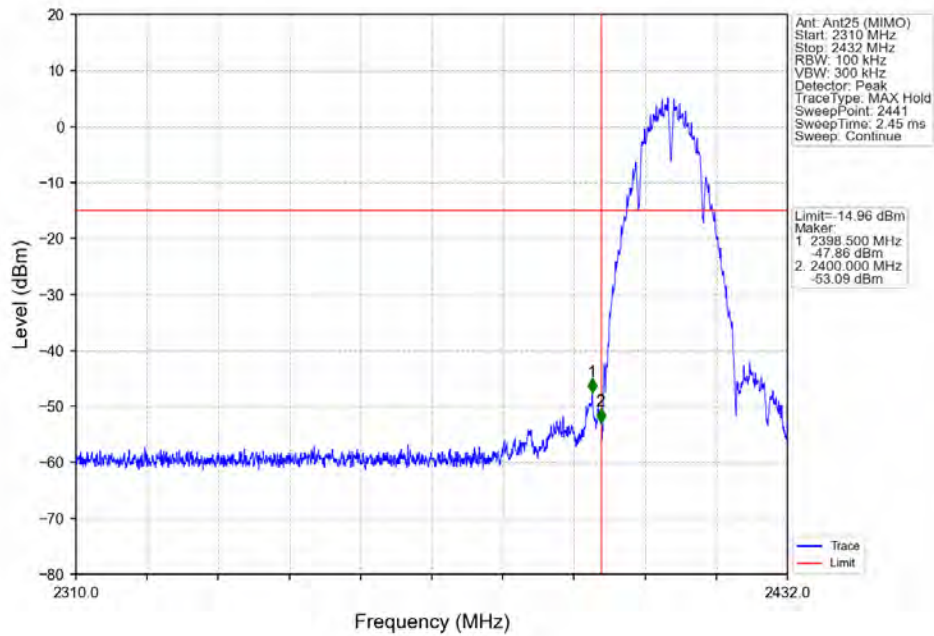
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph

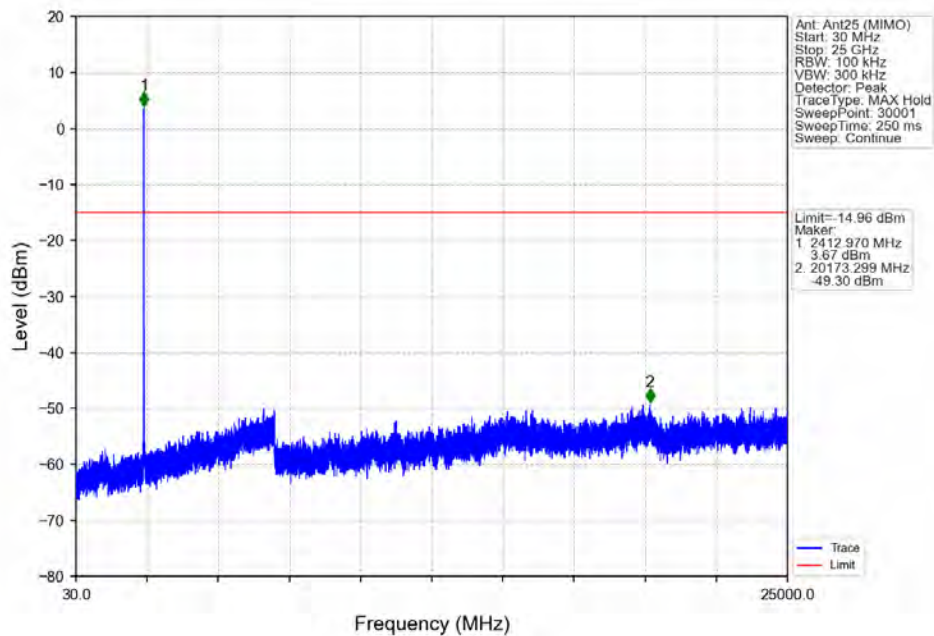




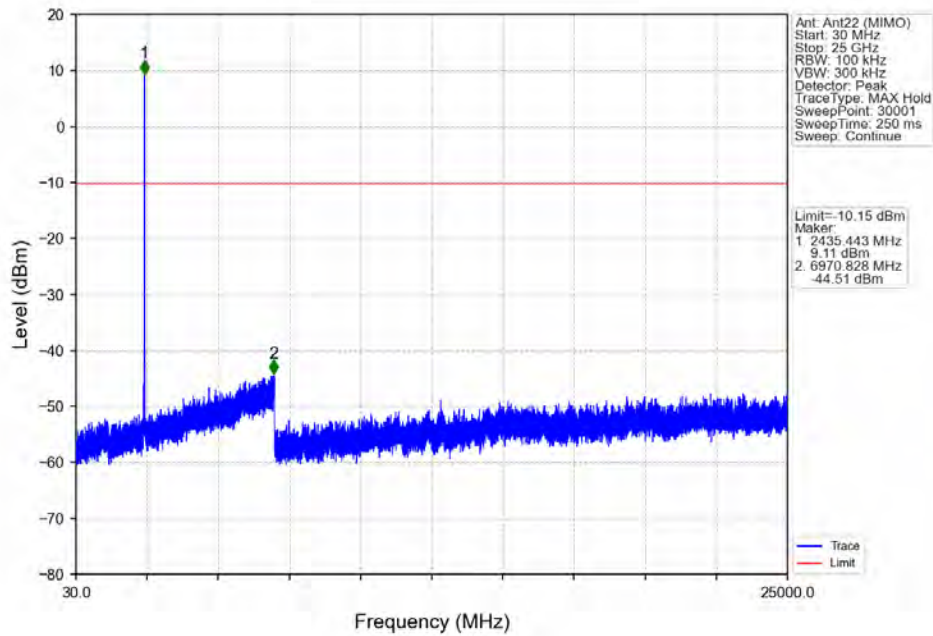
802.11b_LCH_2412MHz_Ant25 (MIMO) NTN



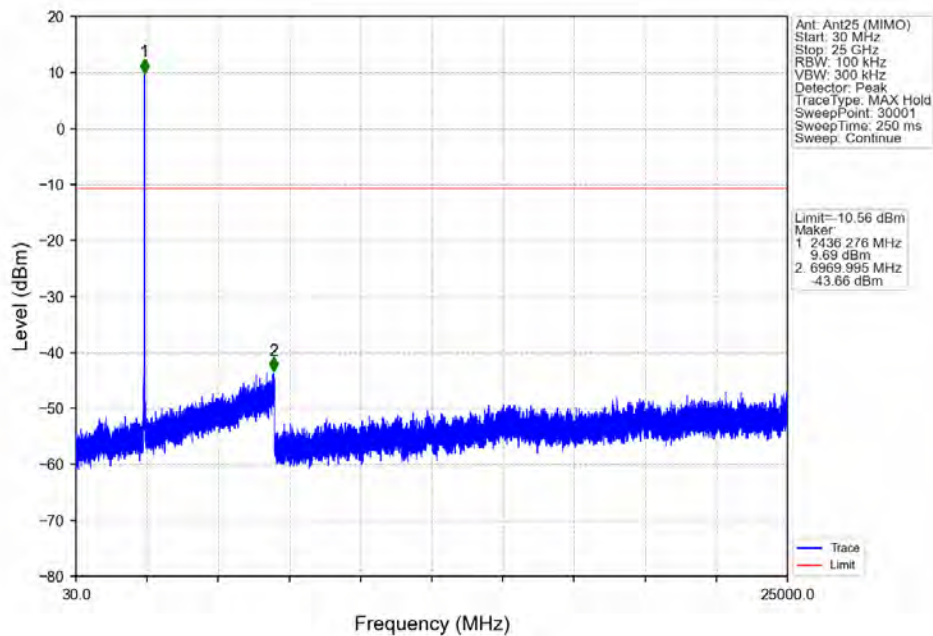
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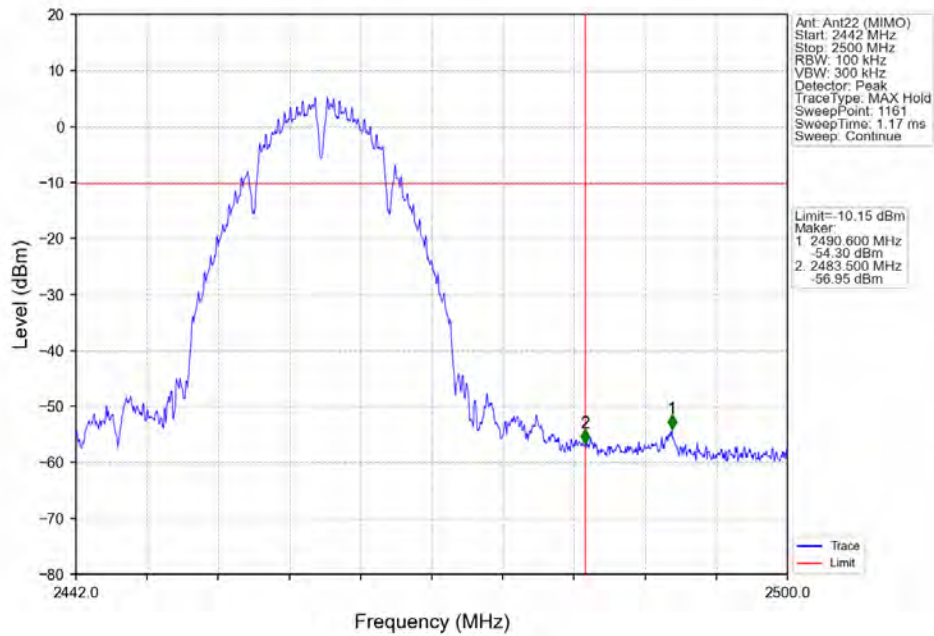
802.11b_MCH_2437MHz_Ant22 (MIMO)_NTNV



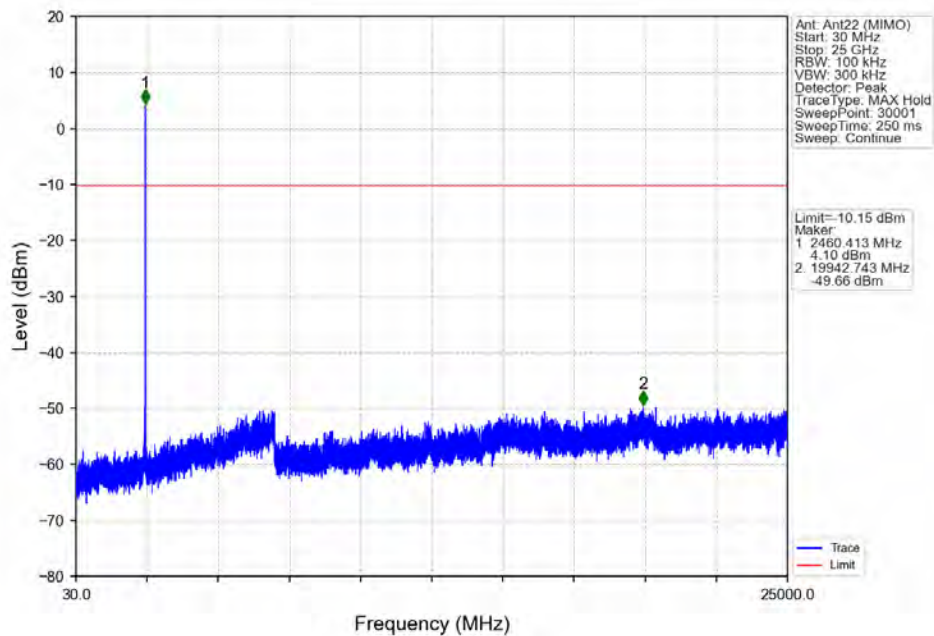
802.11b_MCH_2437MHz_Ant25 (MIMO)_NTNV



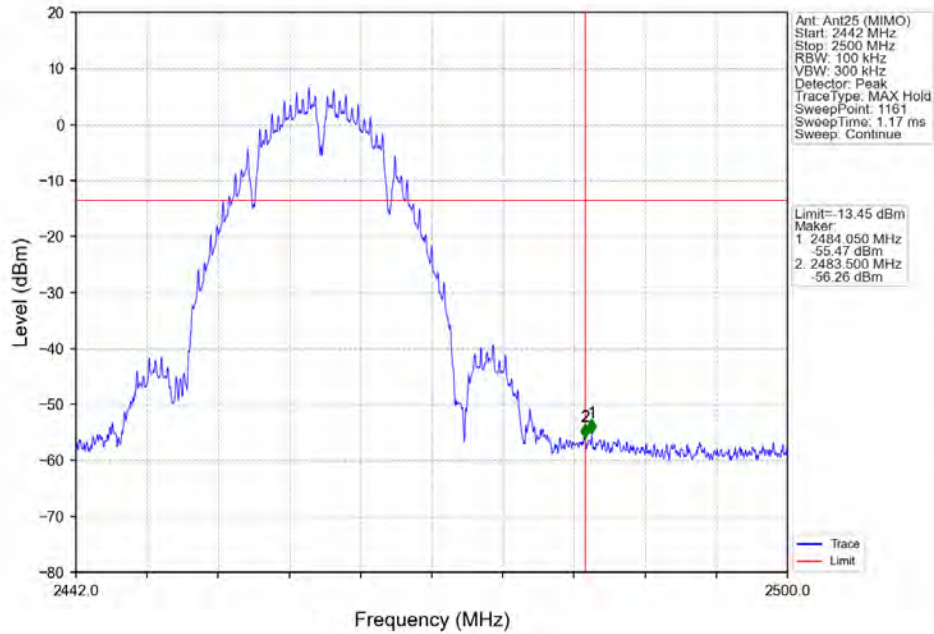
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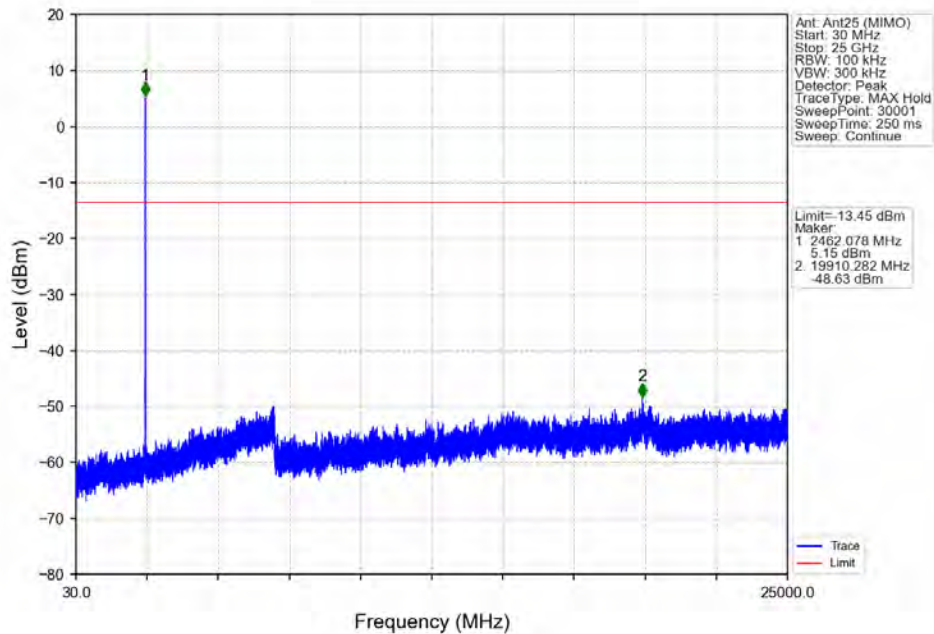
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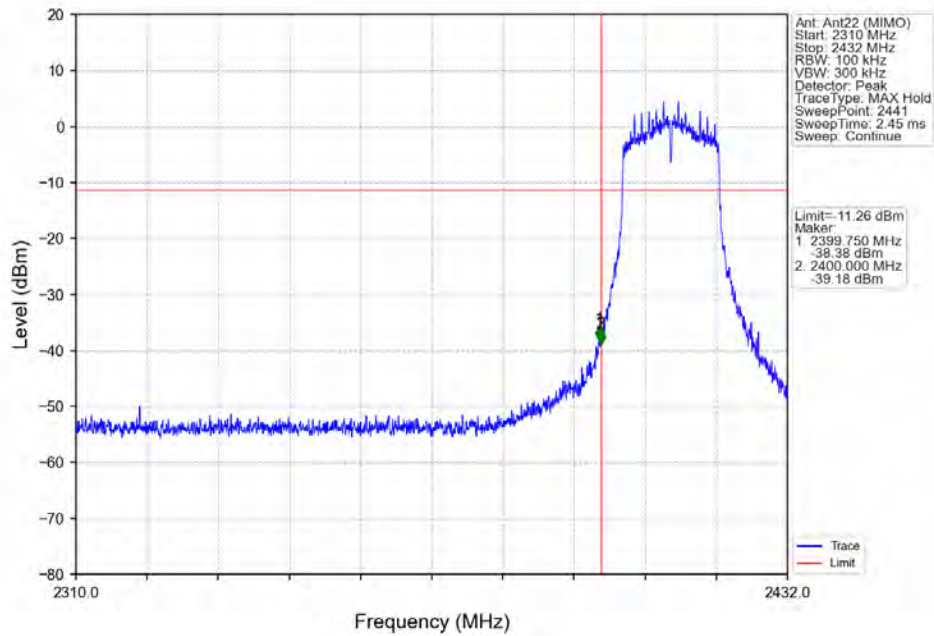
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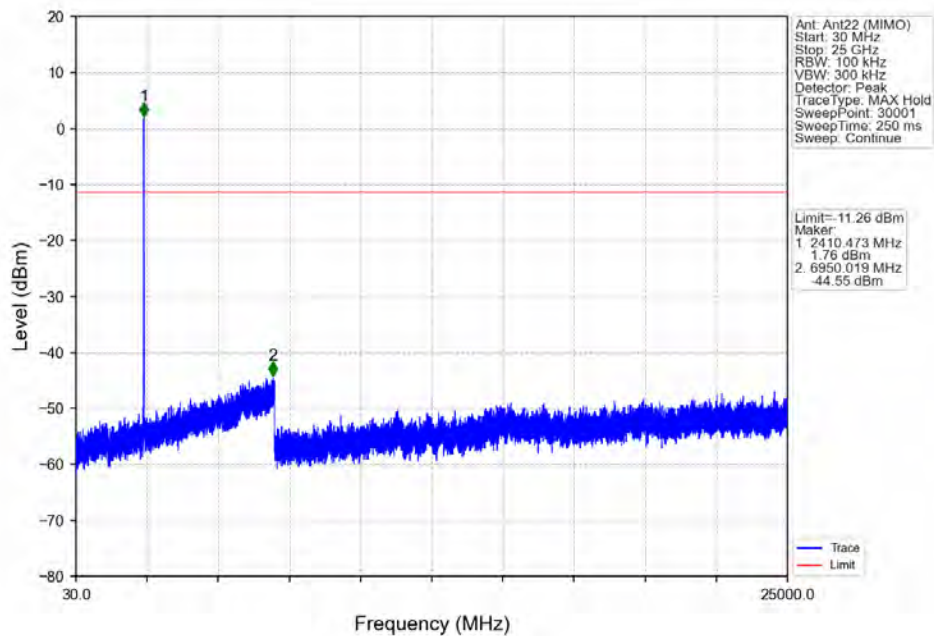
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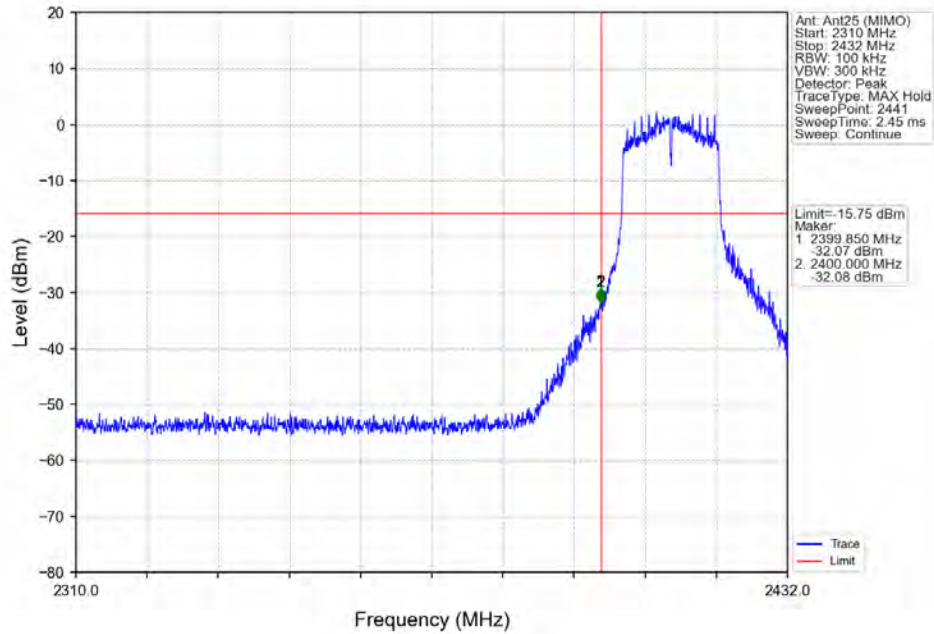
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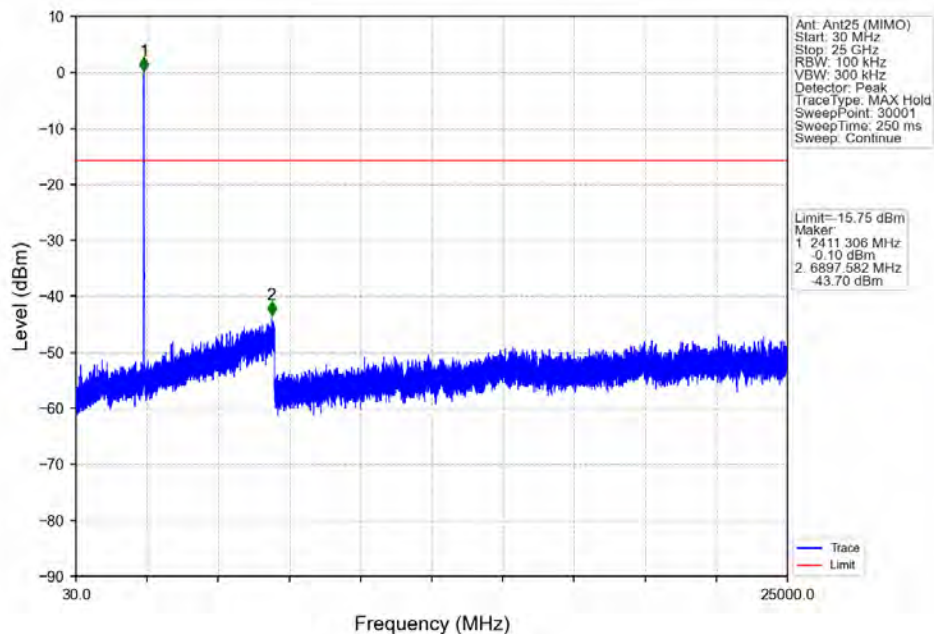
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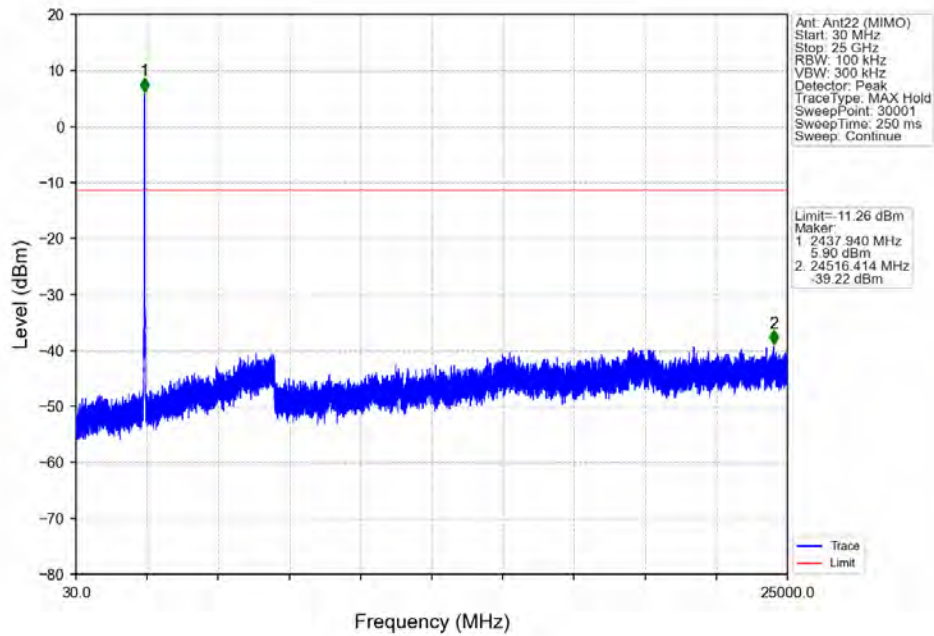
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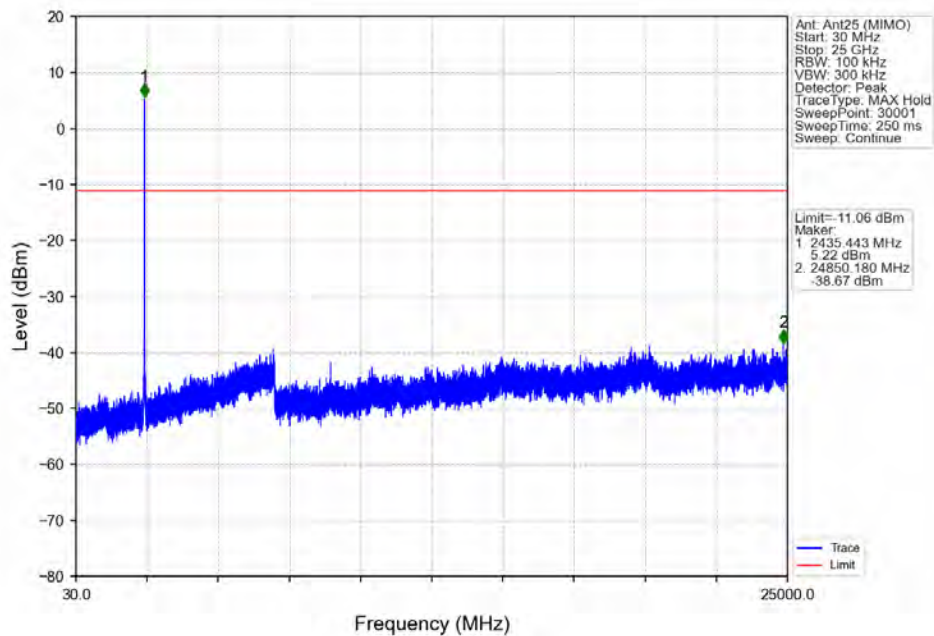
802.11g_LCH_2412MHz_Ant25 (MIMO) NTN



802.11g_MCH_2437MHz_Ant22 (MIMO)_NTNV



802.11g_MCH_2437MHz_Ant25 (MIMO)_NTNV



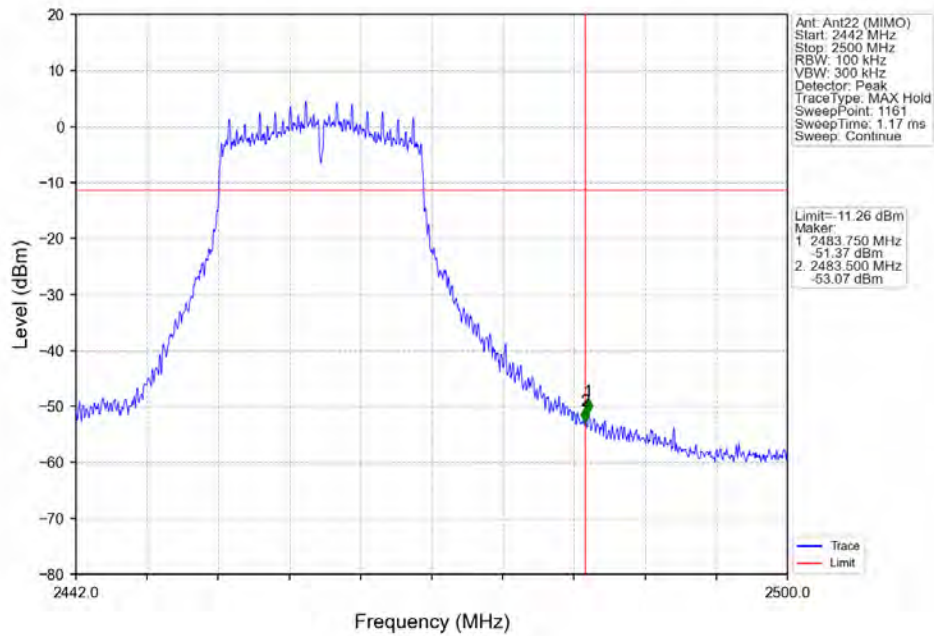
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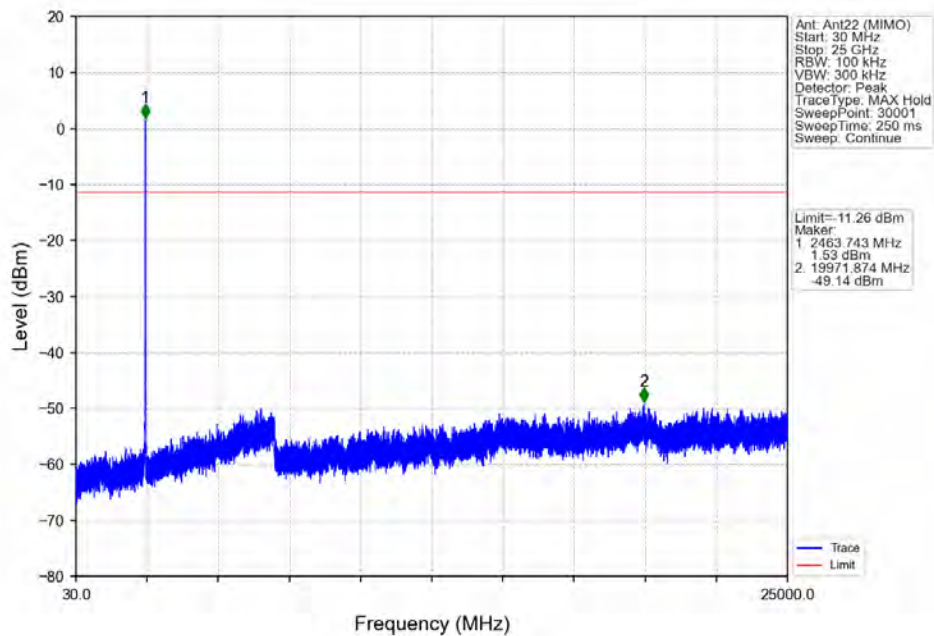
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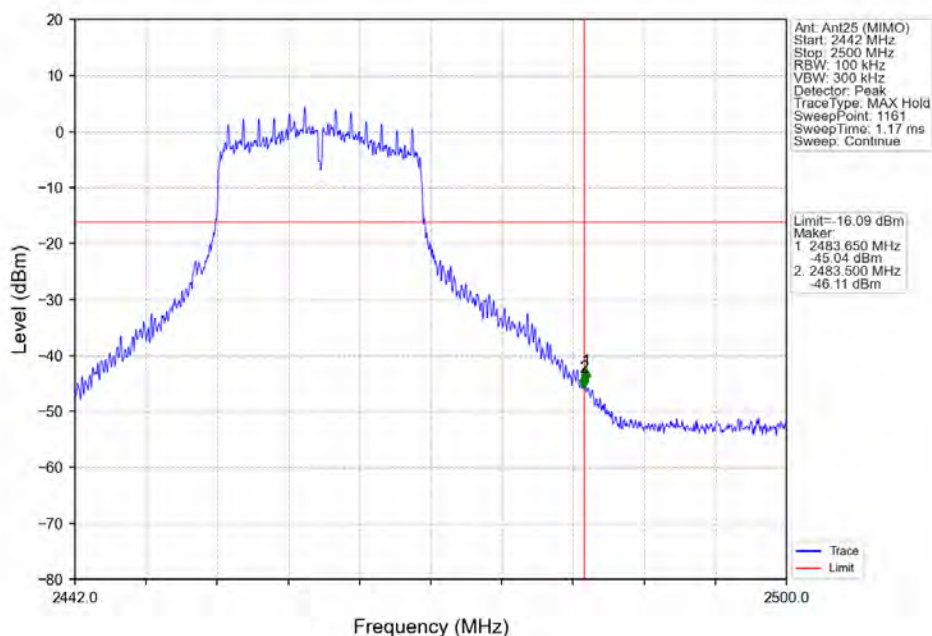
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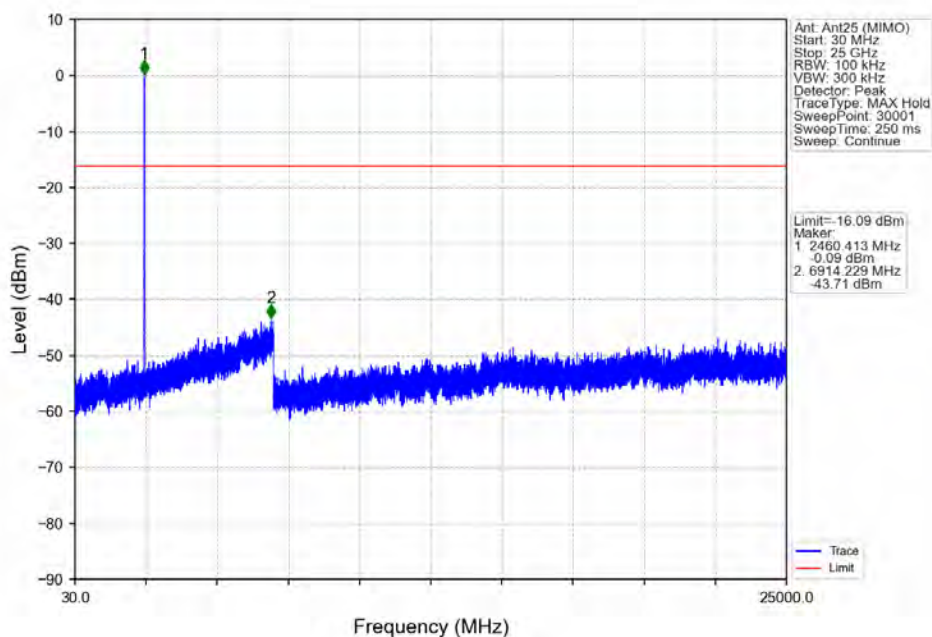
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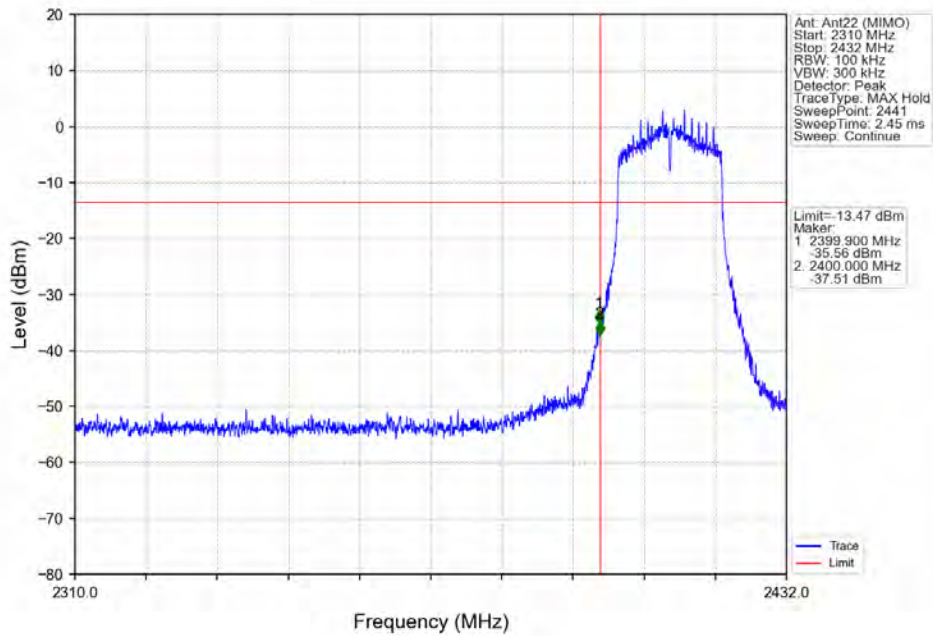
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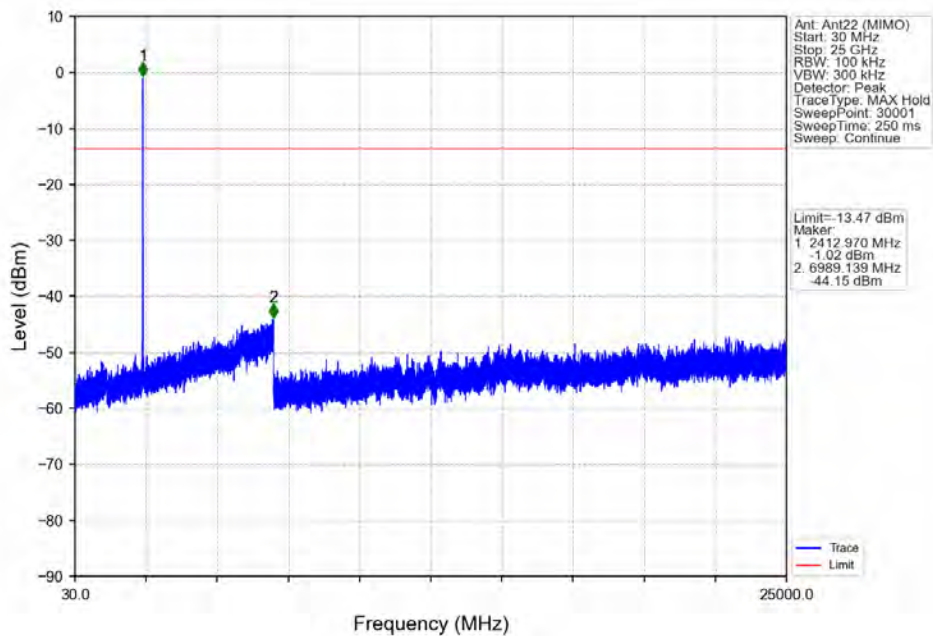
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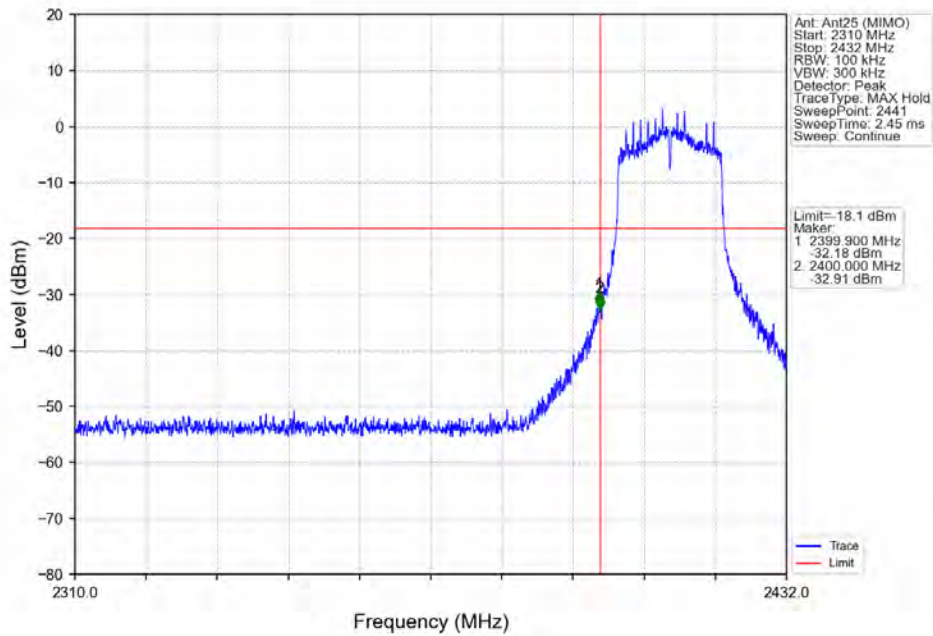
802.11n(HT20) LCH 2412MHz Ant22 (MIMO) NTNV



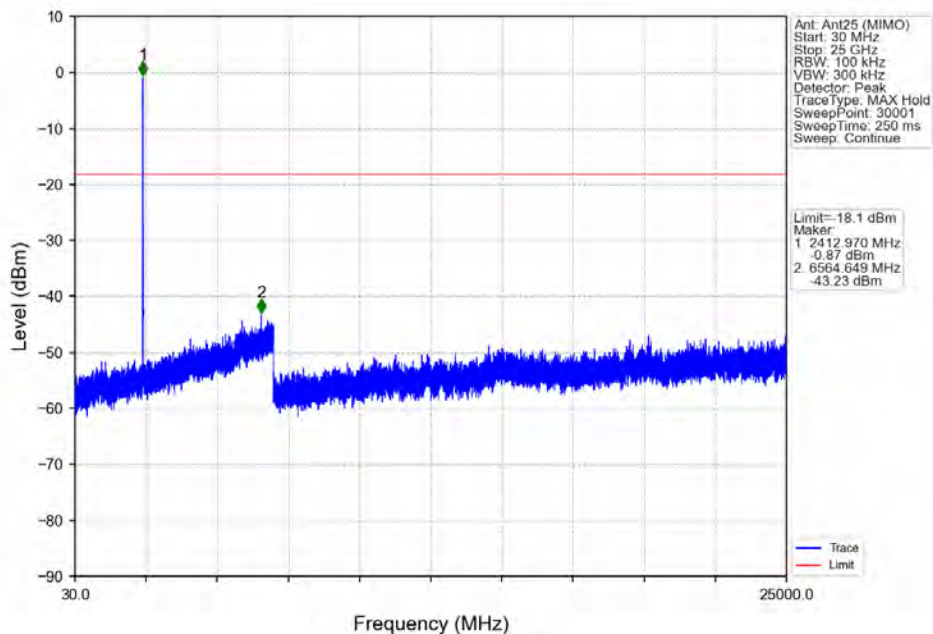
802.11n(HT20) LCH 2412MHz Ant22 (MIMO) NTNV



802.11n(HT20) LCH 2412MHz Ant25 (MIMO) NTVN



802.11n(HT20) LCH 2412MHz Ant25 (MIMO) NTVN



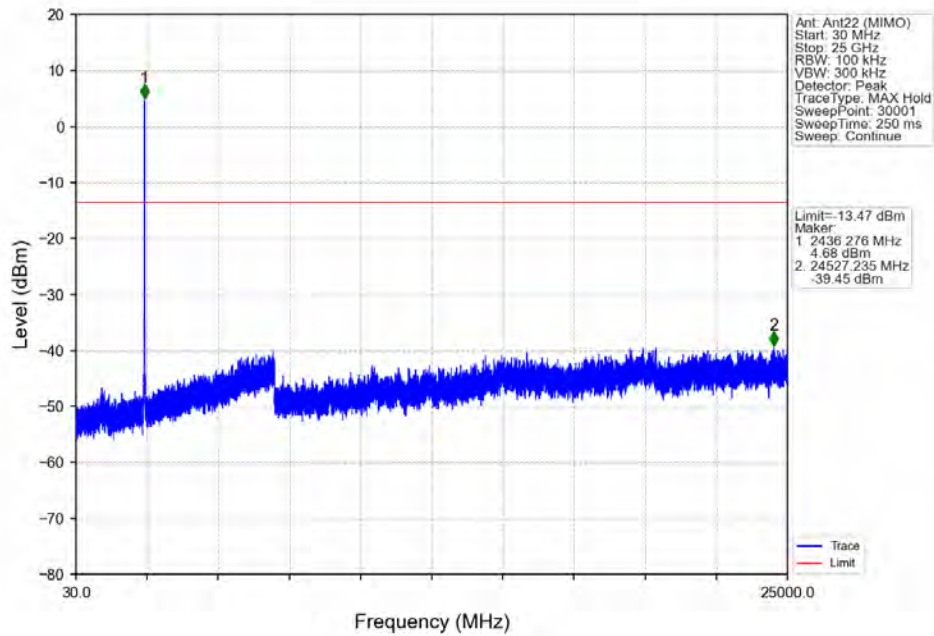
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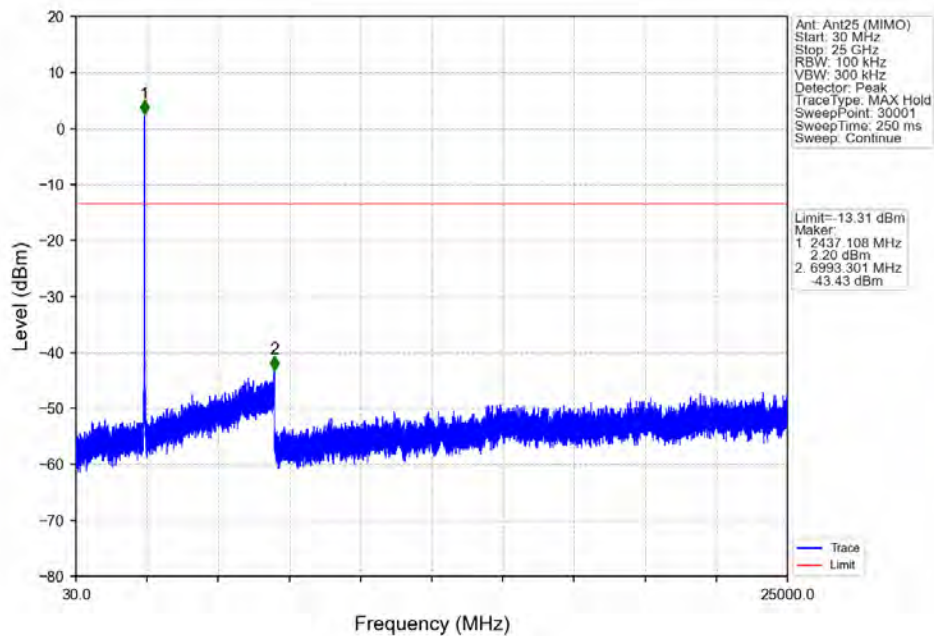
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802.11n(HT20)_MCH_2437MHz_Ant22 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant25 (MIMO)_NTNV



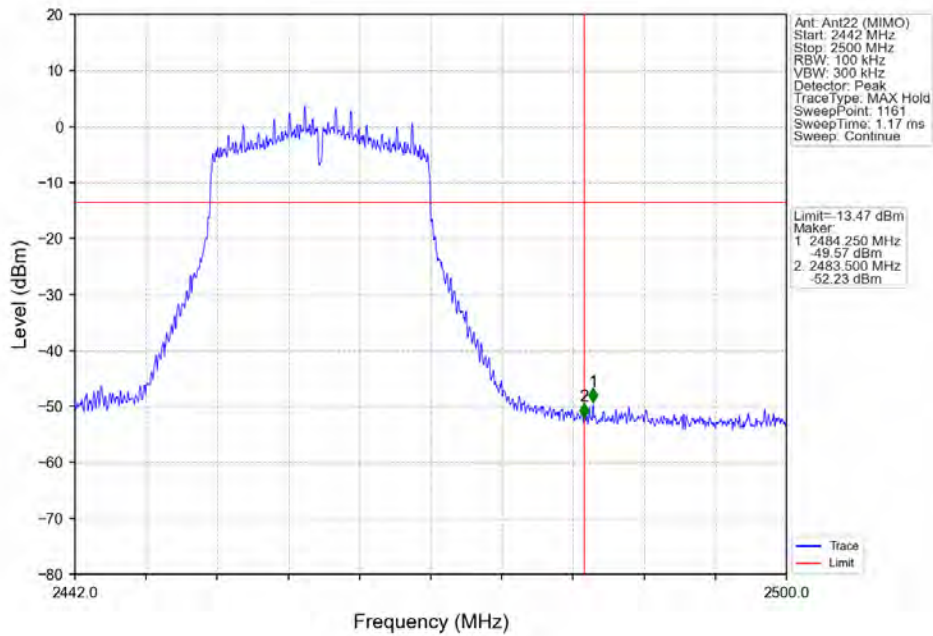
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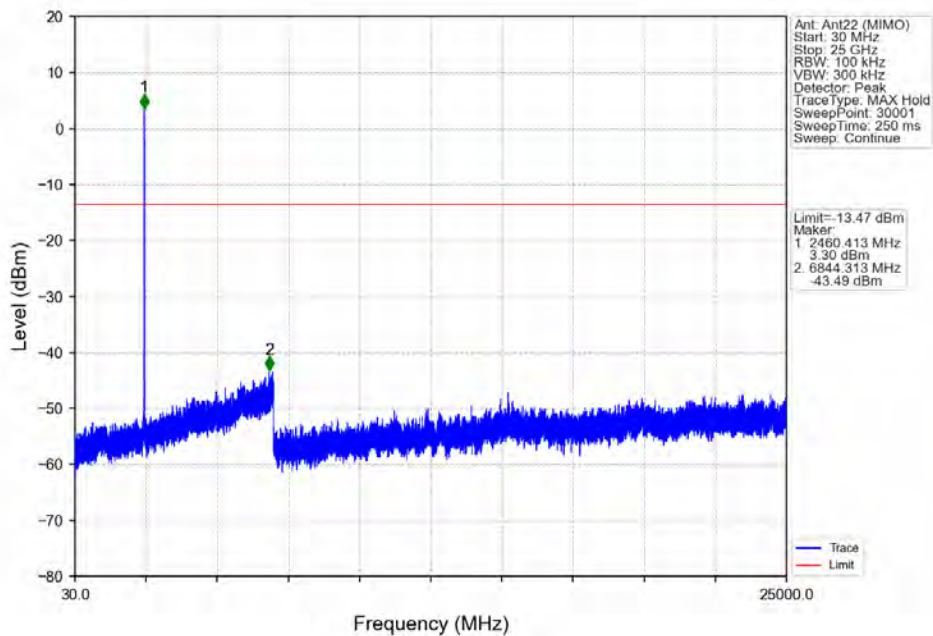
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802.11n(HT20)_HCH_2462MHz_Ant22 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant22 (MIMO)_NTNV



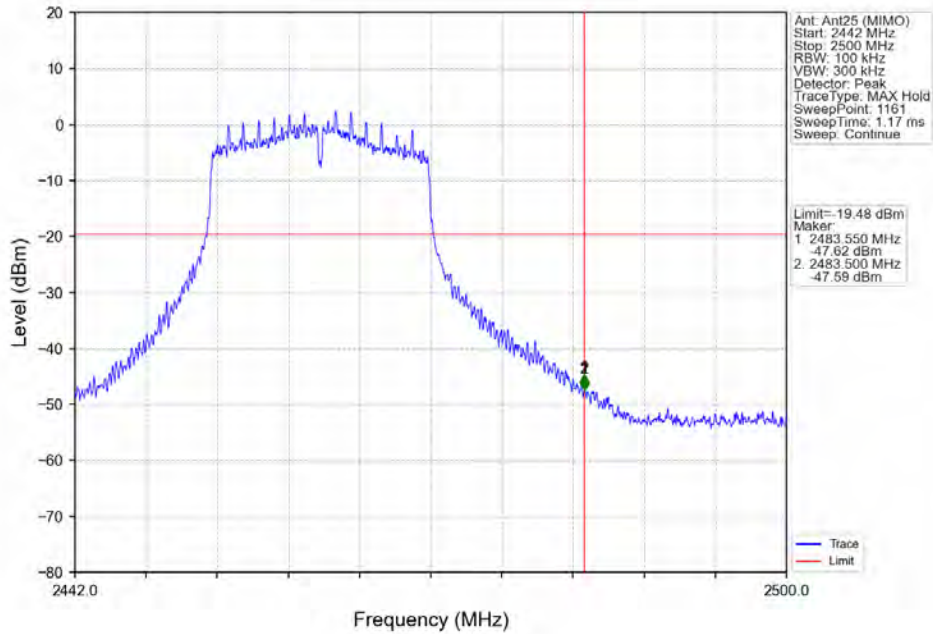
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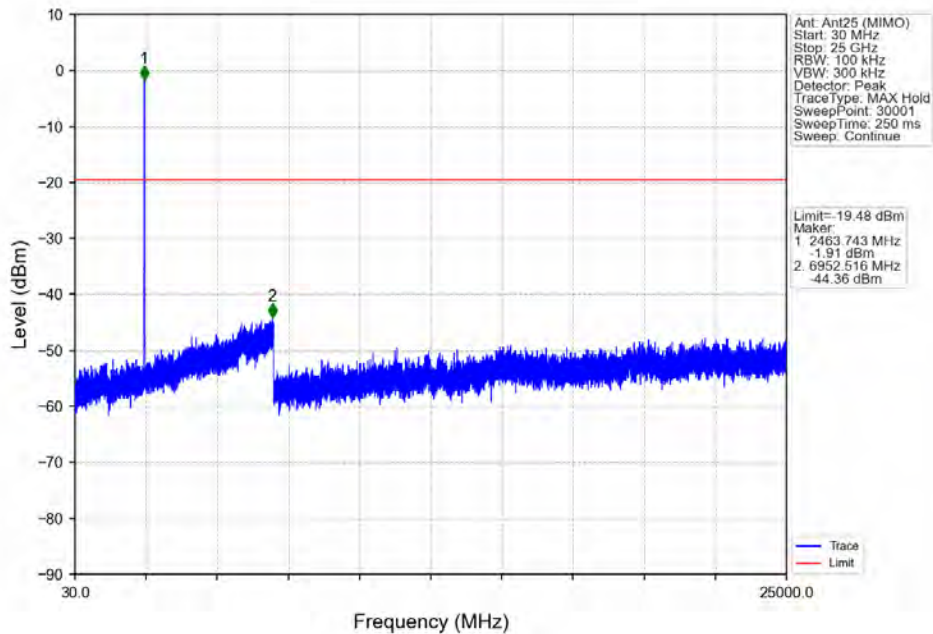
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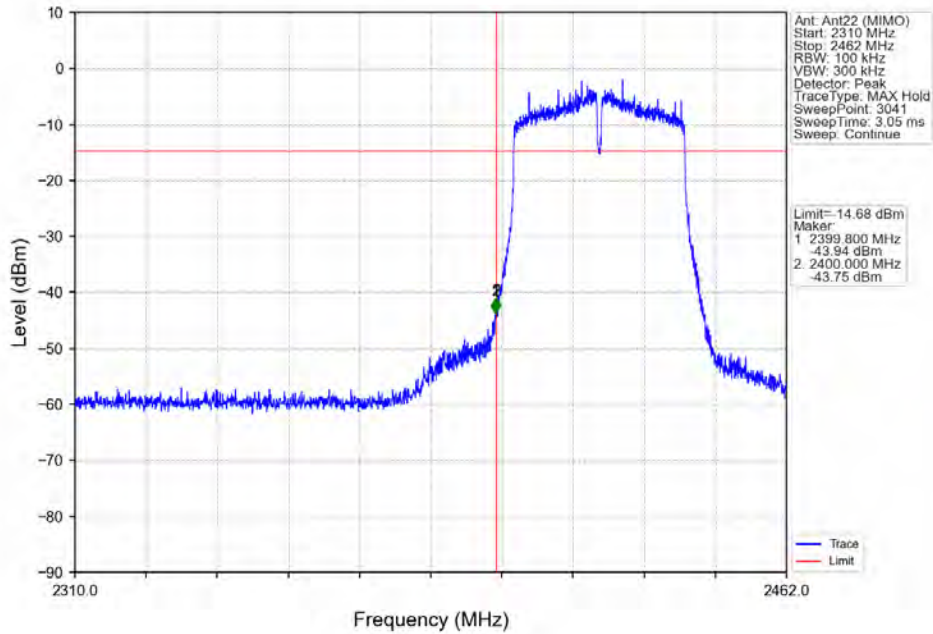
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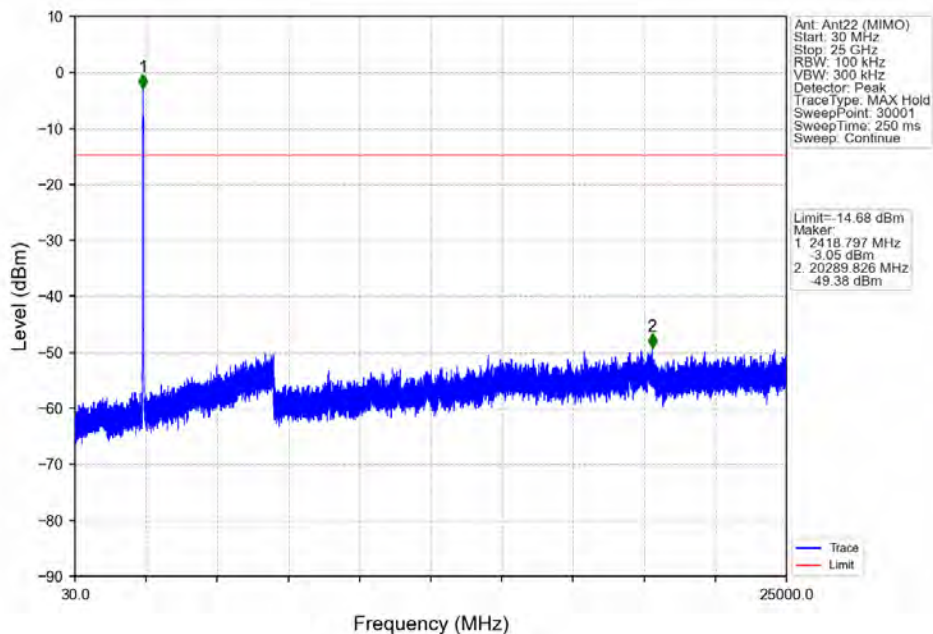
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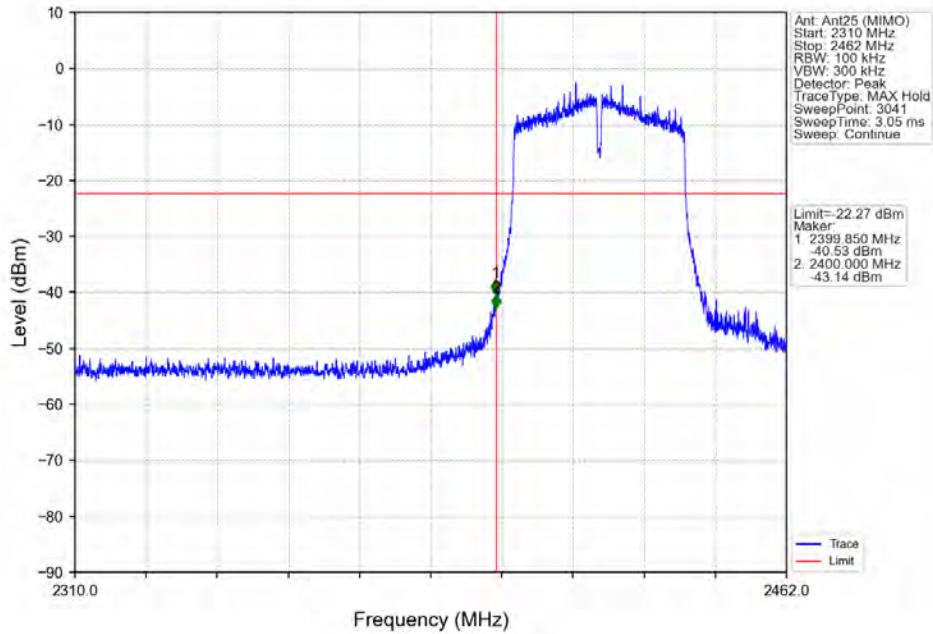
802.11n(HT40) LCH 2422MHz Ant22 (MIMO) NTNV



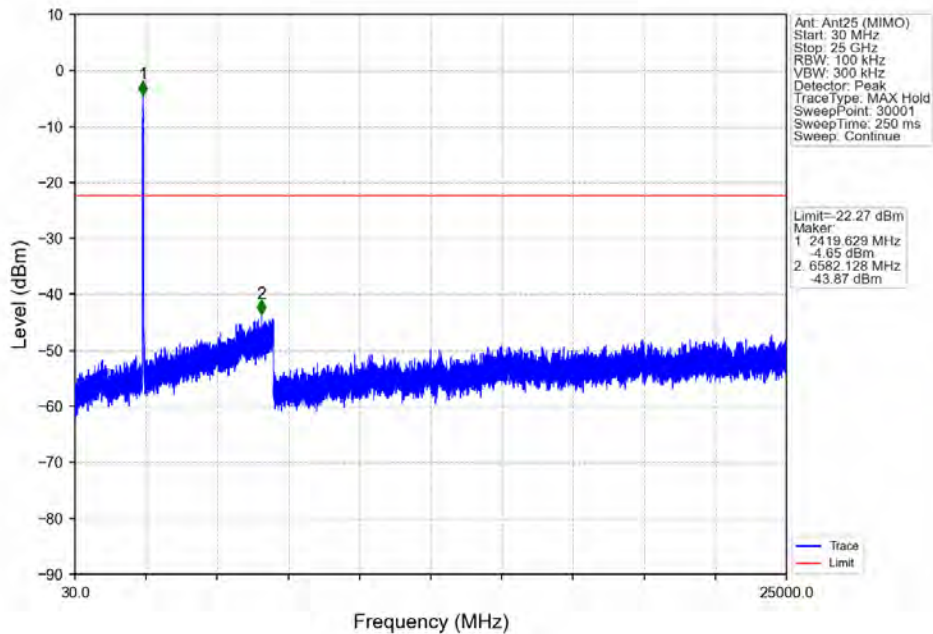
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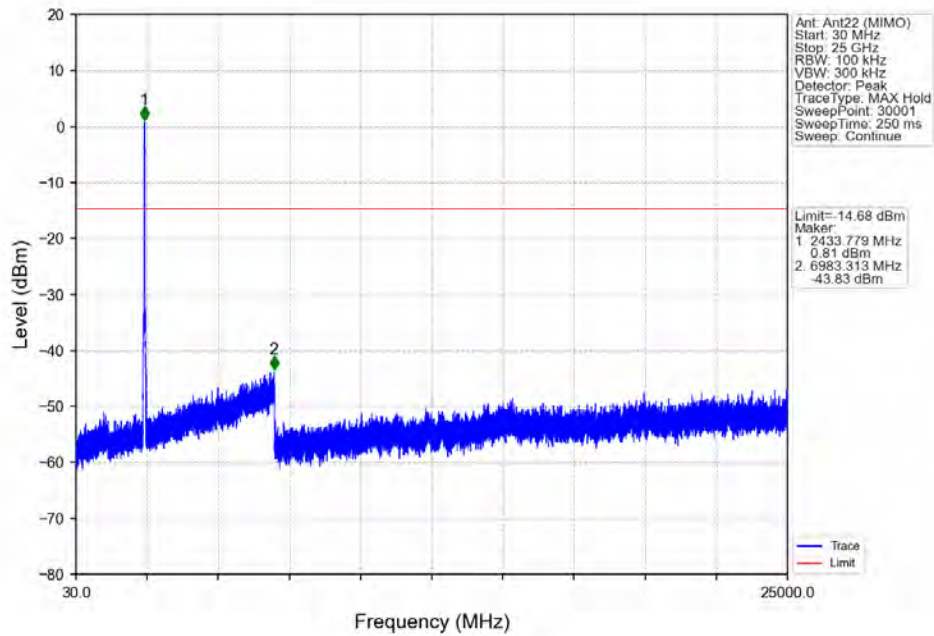
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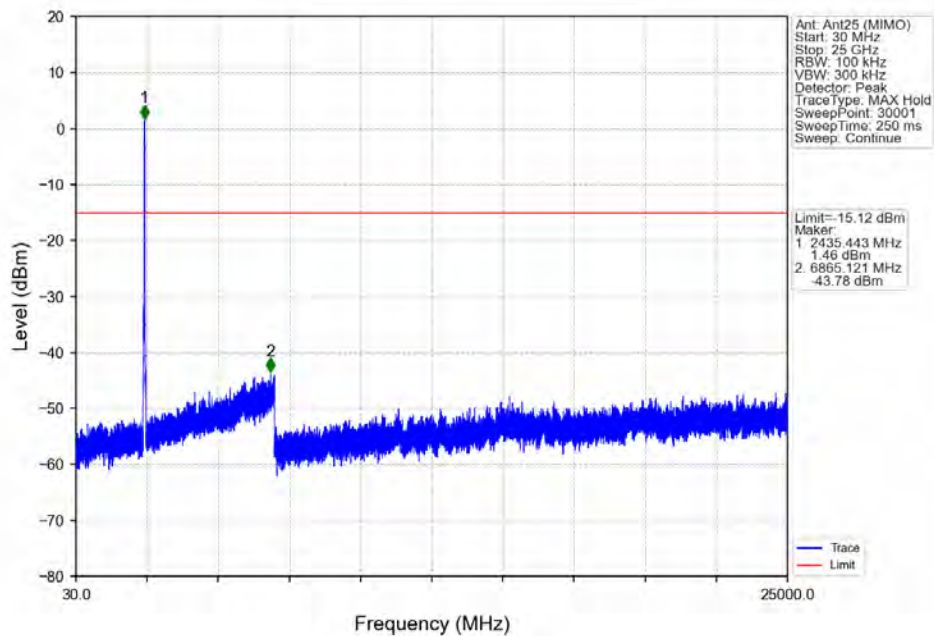
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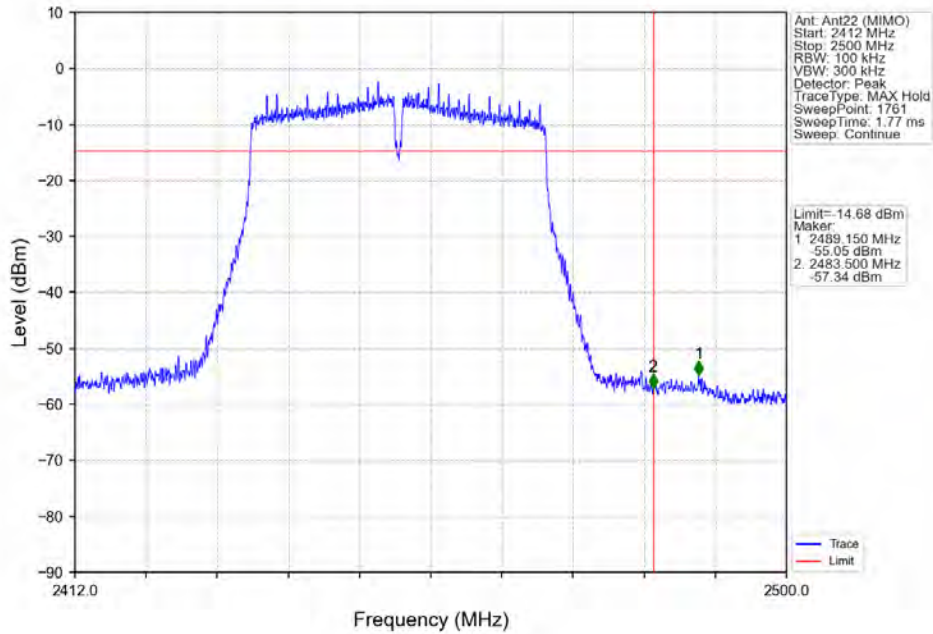
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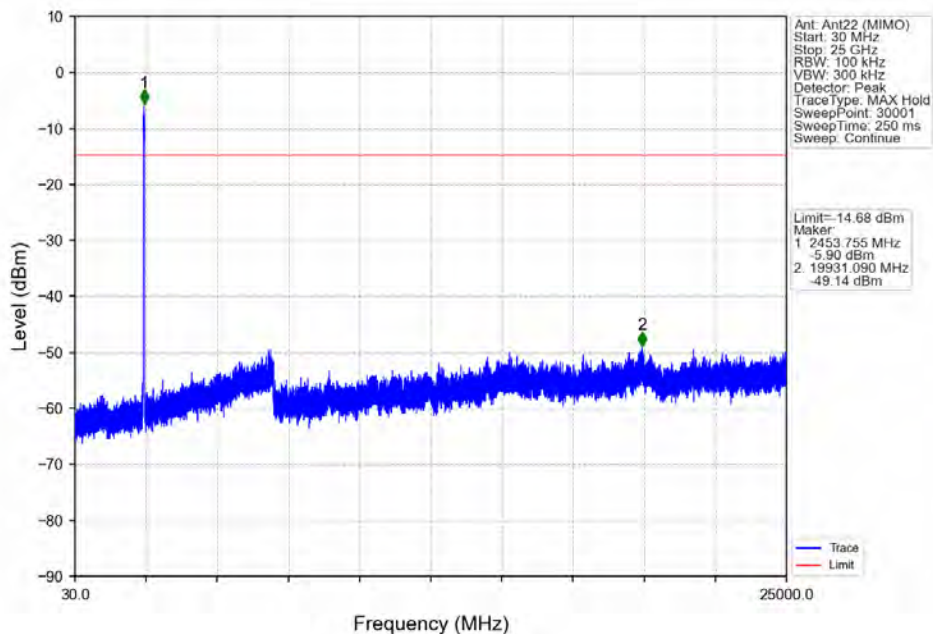
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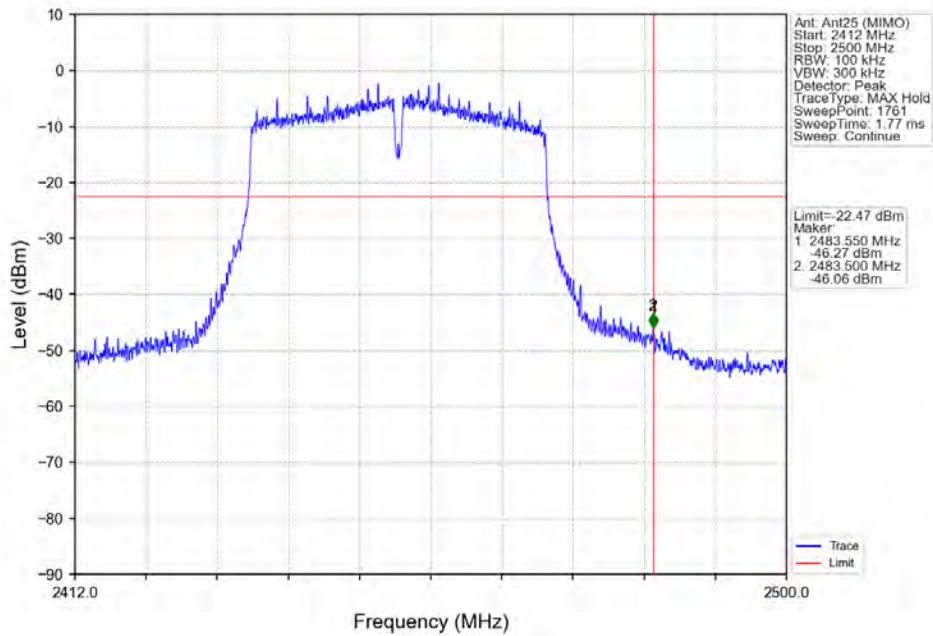
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802.11n(HT40)_HCH_2452MHz_Ant22 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant25 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant25 (MIMO)_NTNV

