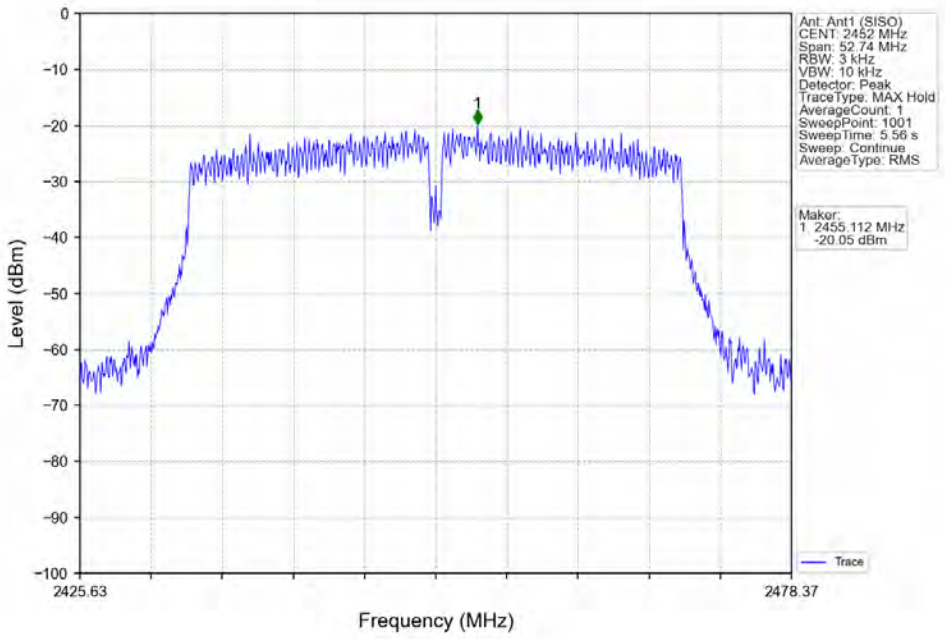
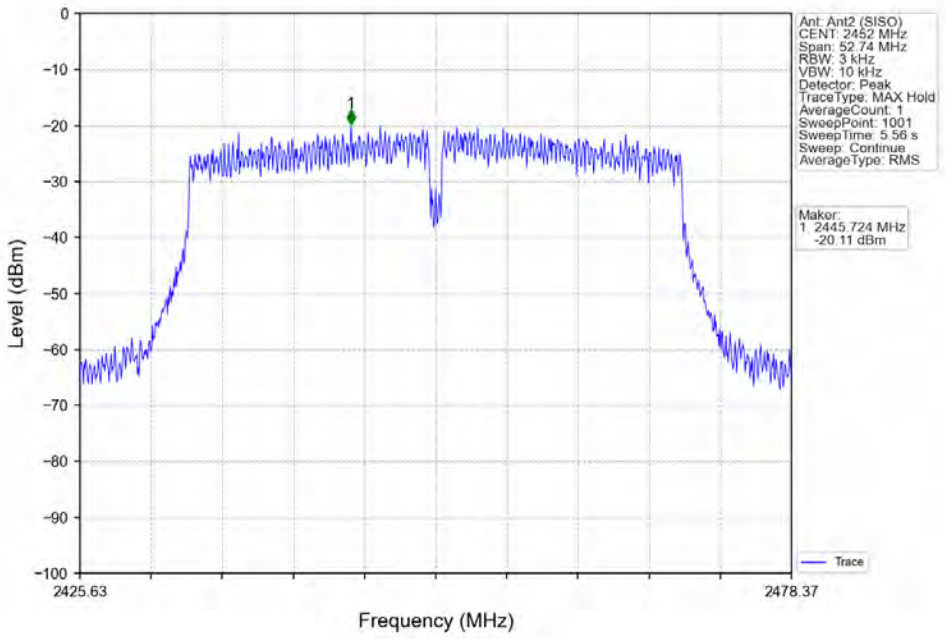
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



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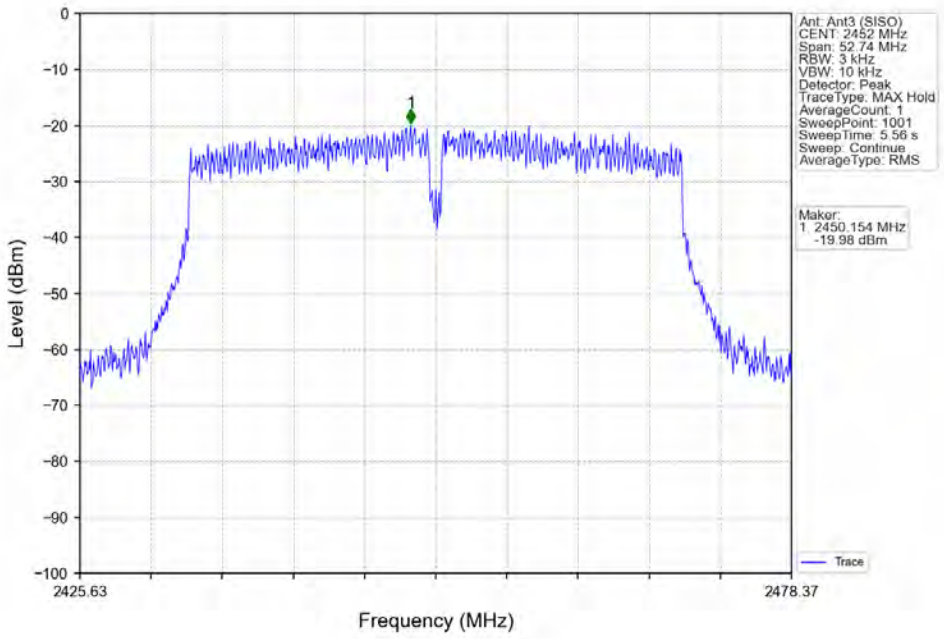
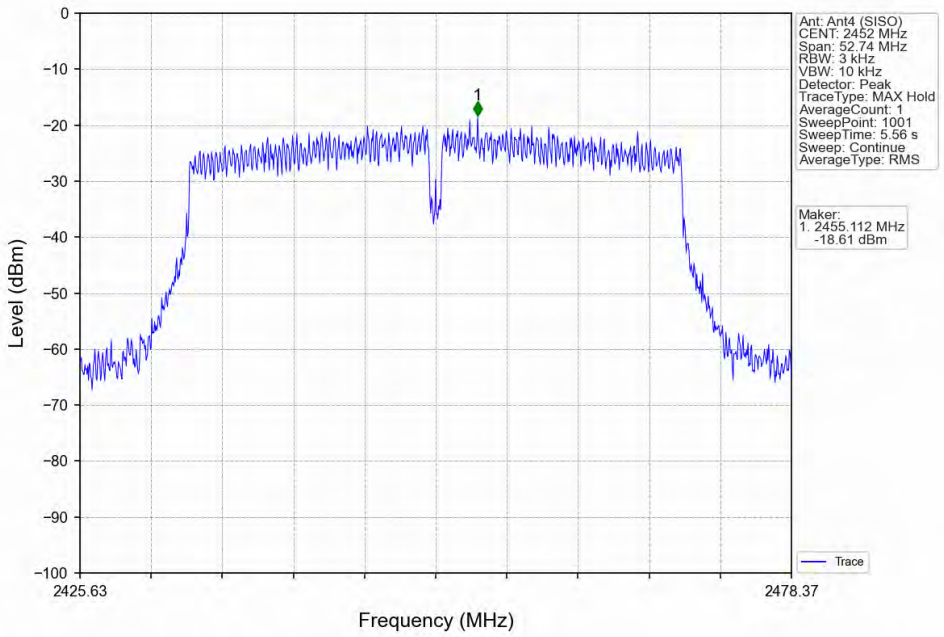
802.11n(HT40)_HCH_2452MHz_Ant3 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant4 (SISO)_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)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	4.85
			2	3.77
			3	4.65
			4	4.76
		2437	1	5.41
			2	3.71
			3	4.76
			4	4.51
		2462	1	5.20
			2	4.14
			3	4.67
			4	4.15
802.11g	SISO	2412	1	-1.12
			2	0.94
			3	-2.27
			4	-1.74
		2437	1	-1.47
			2	-1.88
			3	-1.91
			4	-1.80
		2462	1	-1.79
			2	-1.91
			3	-1.79
			4	-1.70
802.11n (HT20)	SISO	2412	1	-1.82
			2	-1.81
			3	-1.85
			4	-1.59
		2437	1	-2.24
			2	-2.26
			3	-1.71
			4	-1.50
		2462	1	-2.02
			2	-1.82
			3	-2.11
			4	-1.67
802.11n (HT40)	SISO	2422	1	-4.58
			2	-4.61
			3	-4.70
			4	-4.70
		2437	1	-5.14

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			2	-5.21
			3	-4.60
			4	-4.50
		2452	1	-5.13
			2	-4.86
			3	-4.62
			4	-4.56
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

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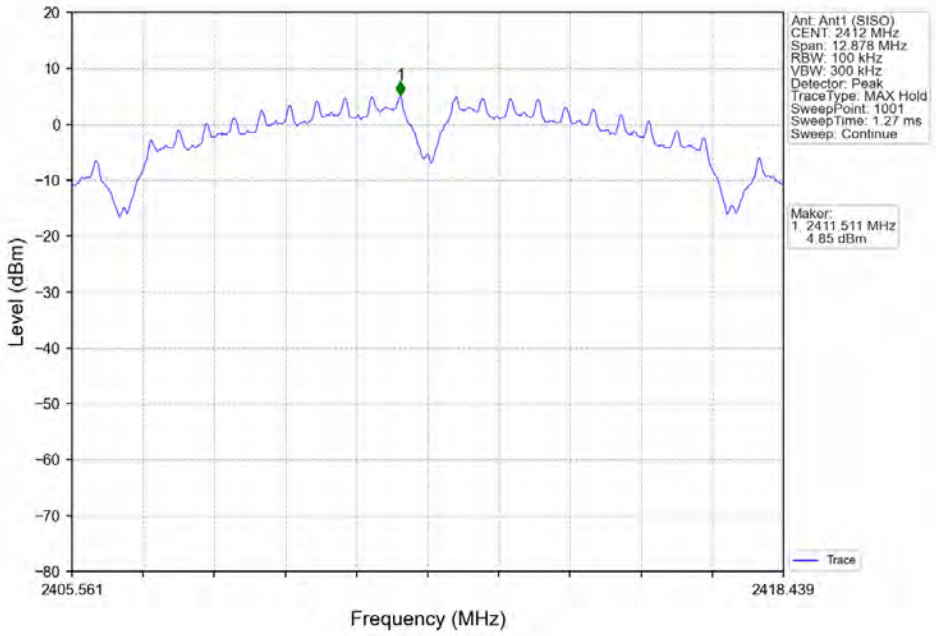
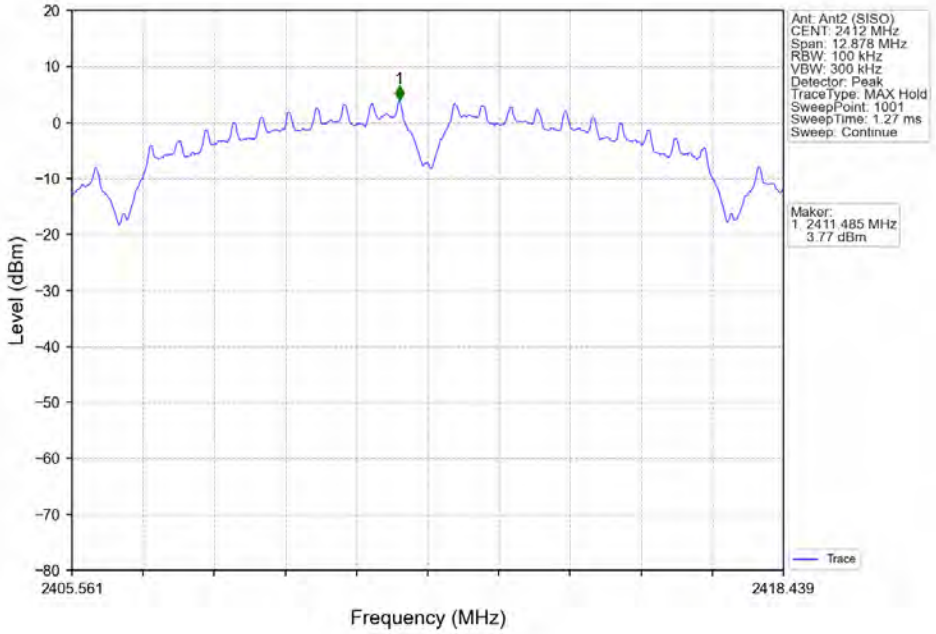
5.1.2 Test Graph

802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



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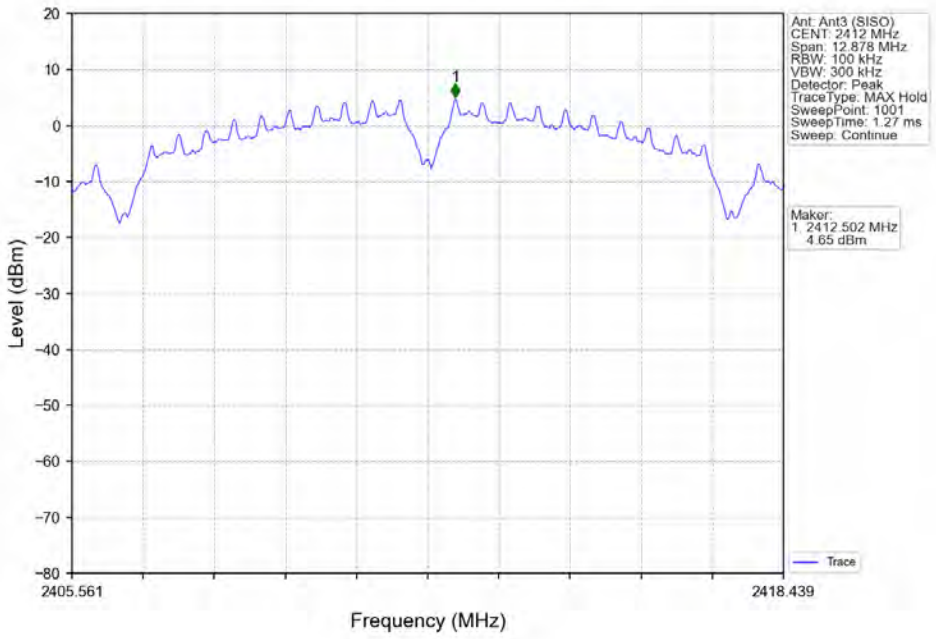
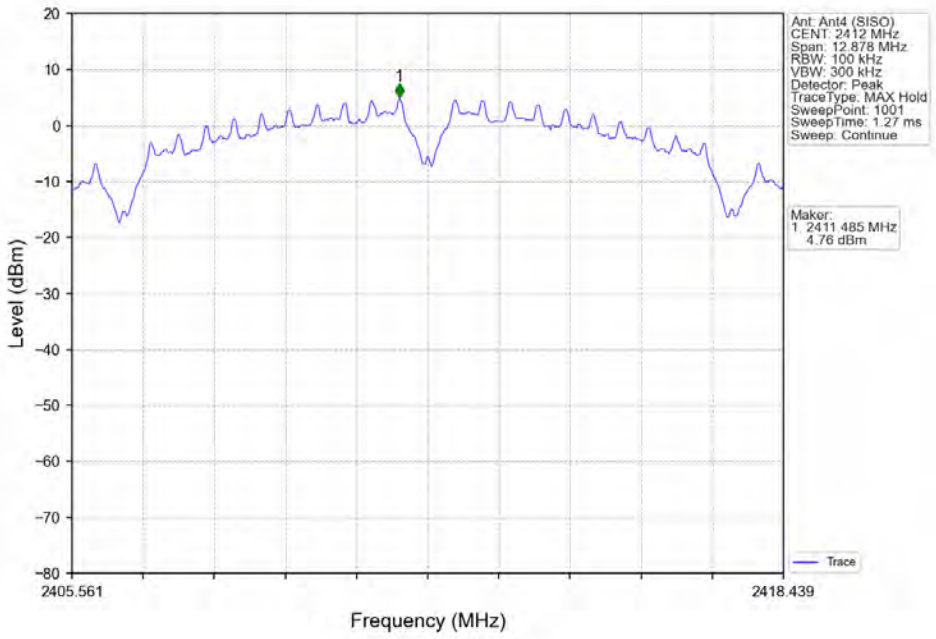
802.11b_LCH_2412MHz_Ant3 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant4 (SISO)_NTNV



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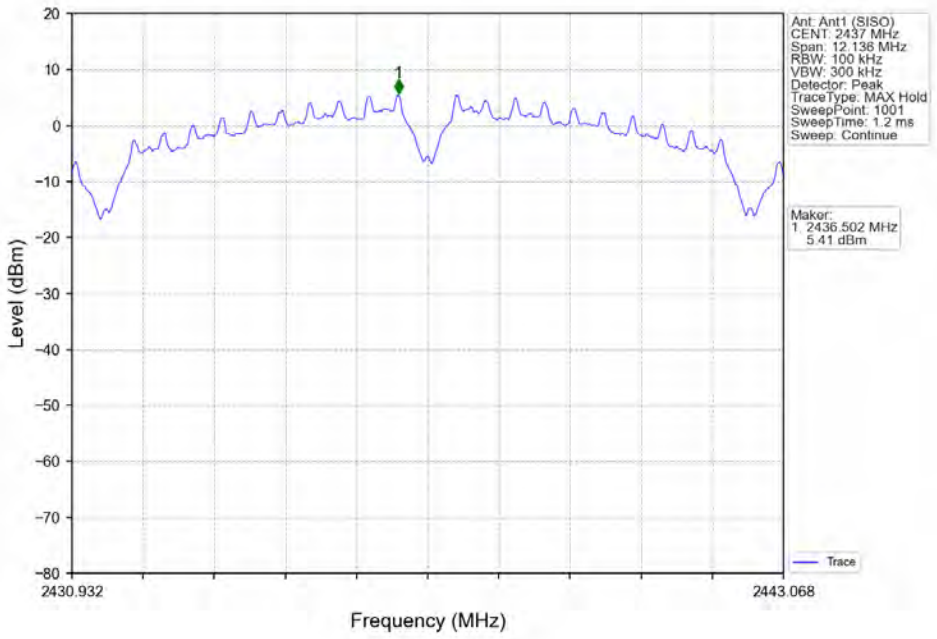
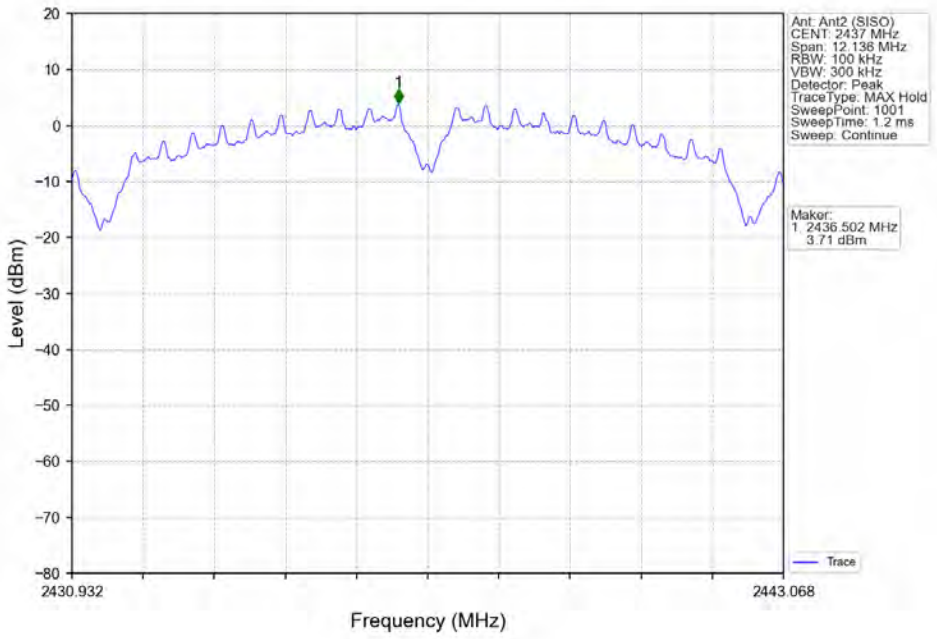
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



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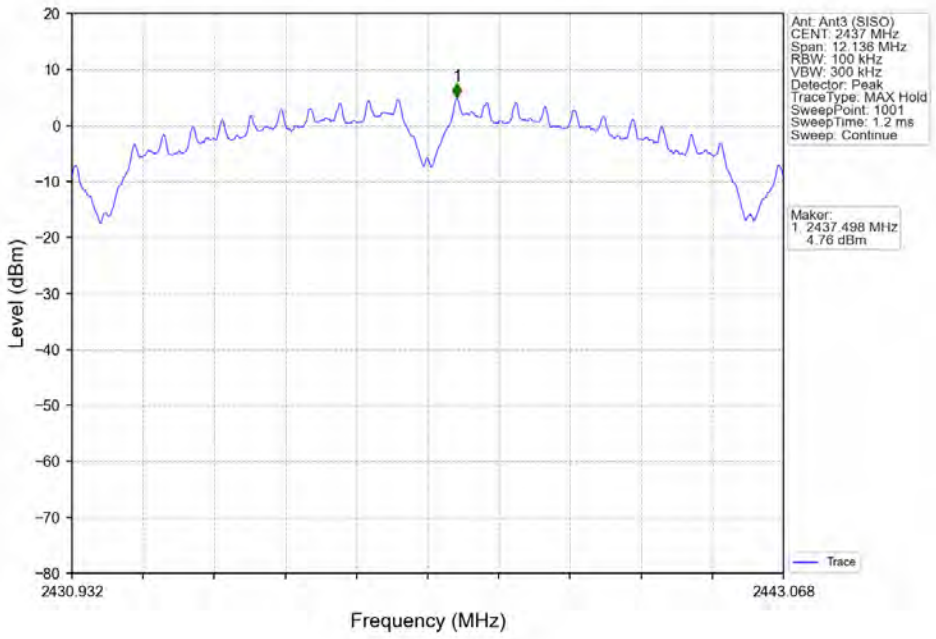
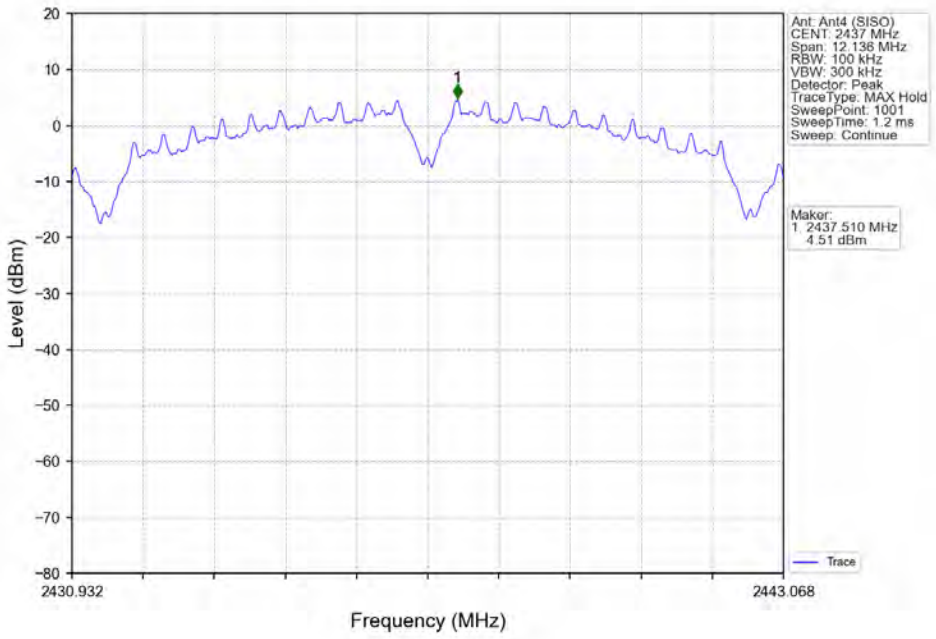
802.11b_MCH_2437MHz_Ant3 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant4 (SISO)_NTNV



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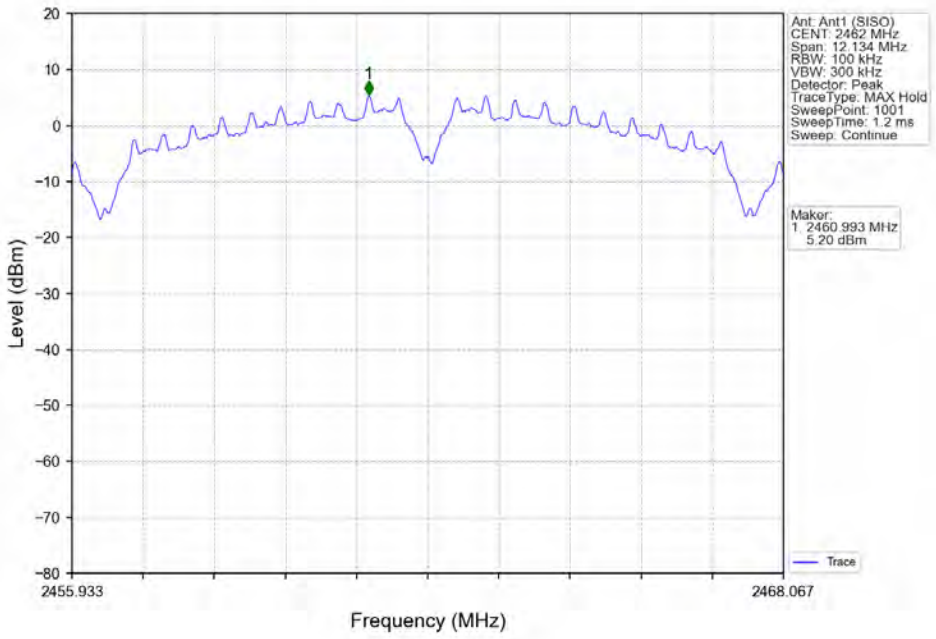
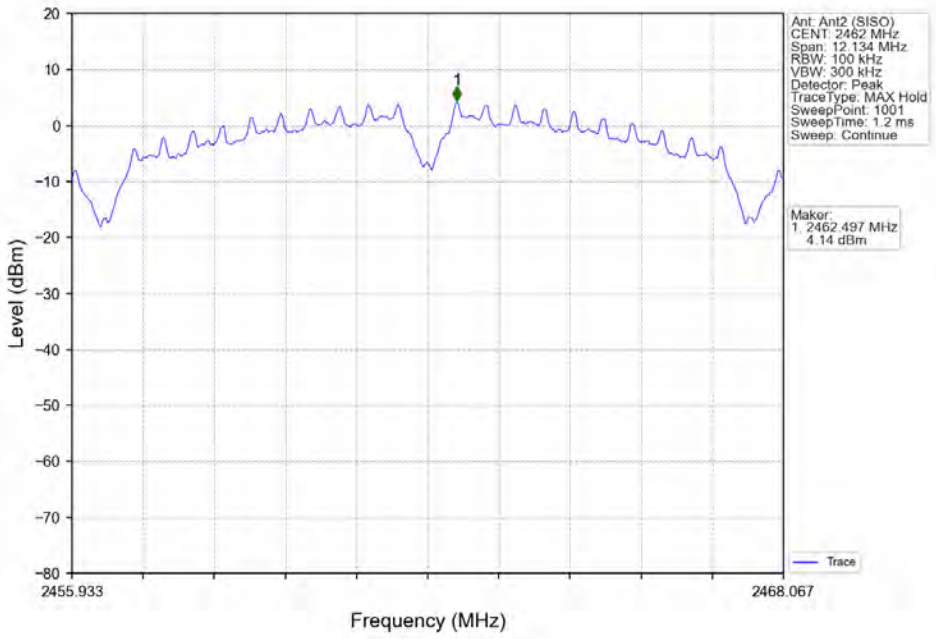
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



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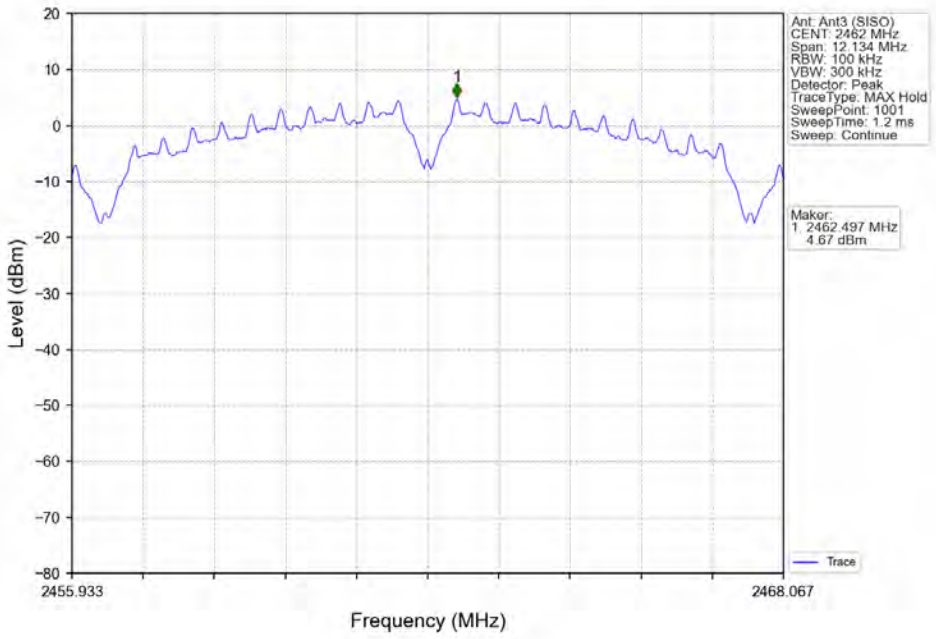
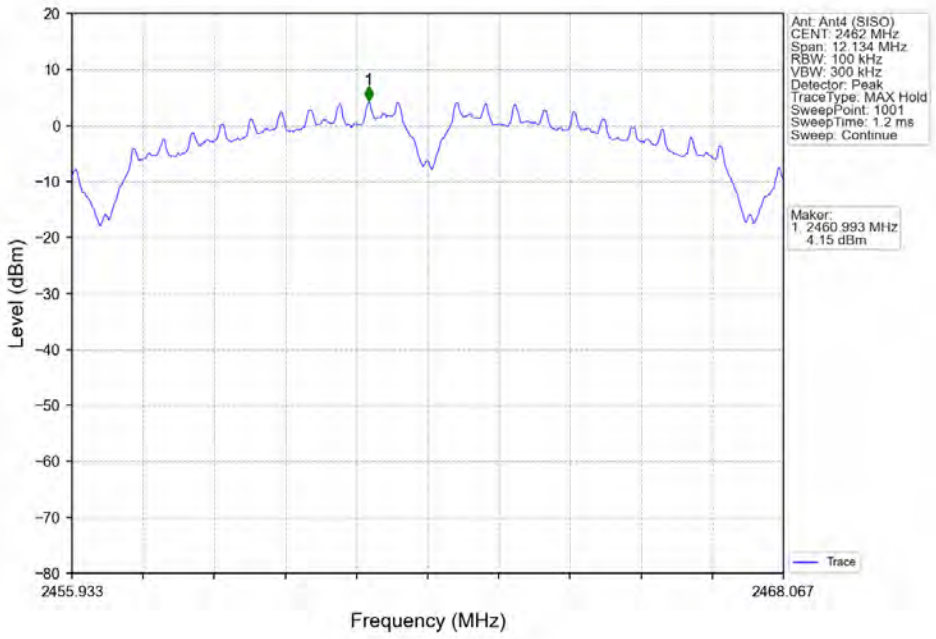
802.11b_HCH_2462MHz_Ant3 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant4 (SISO)_NTNV



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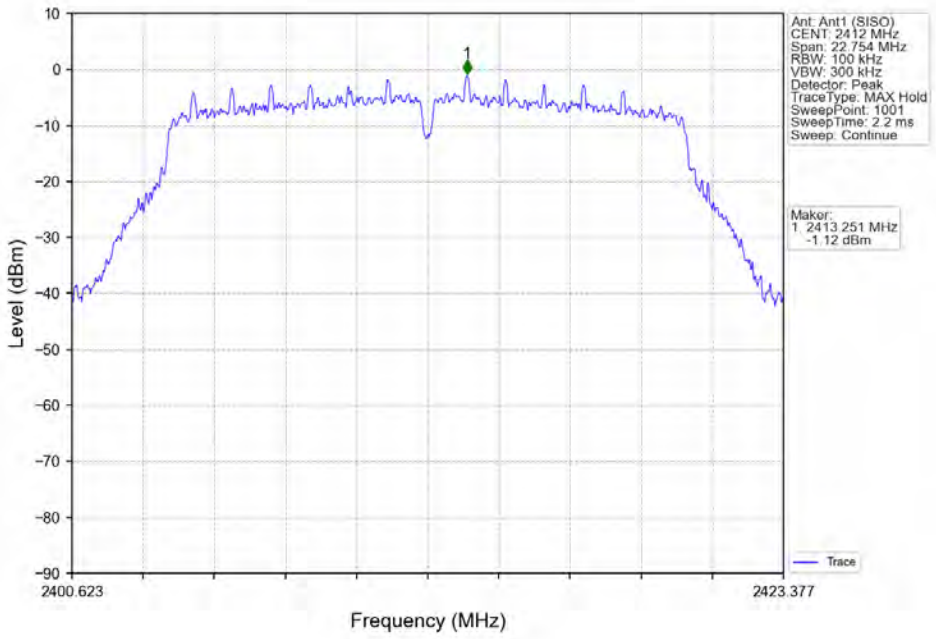
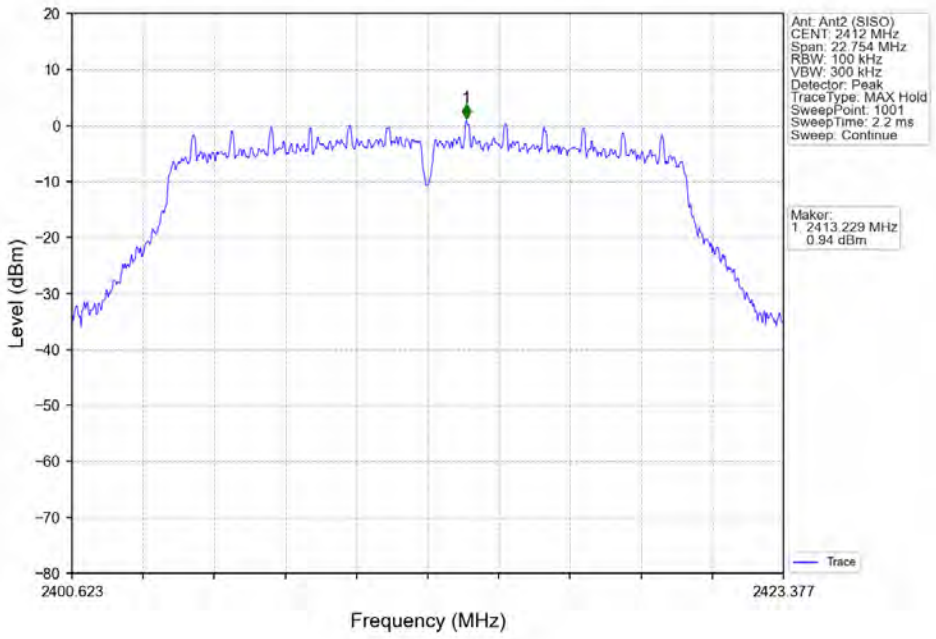
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



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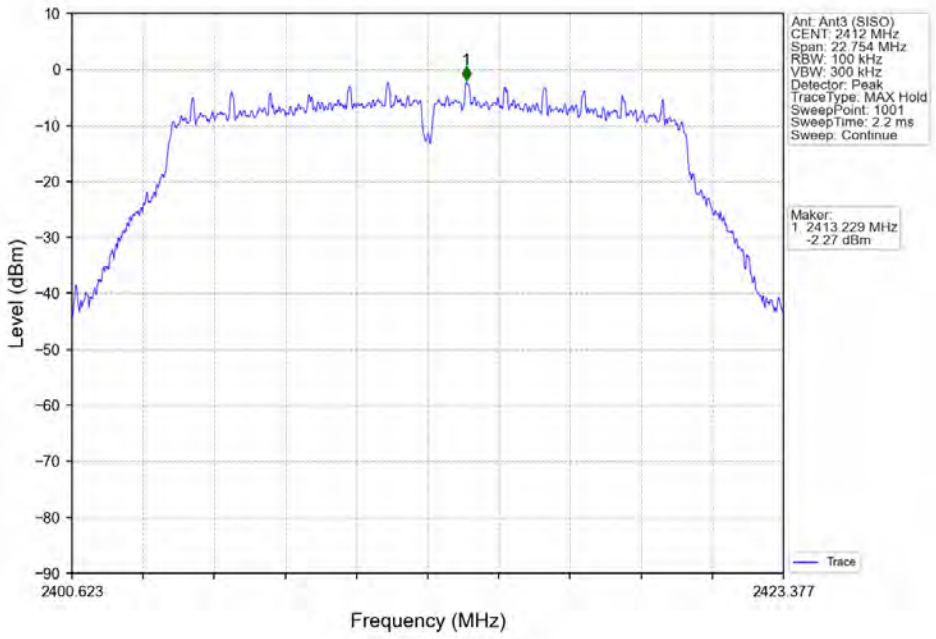
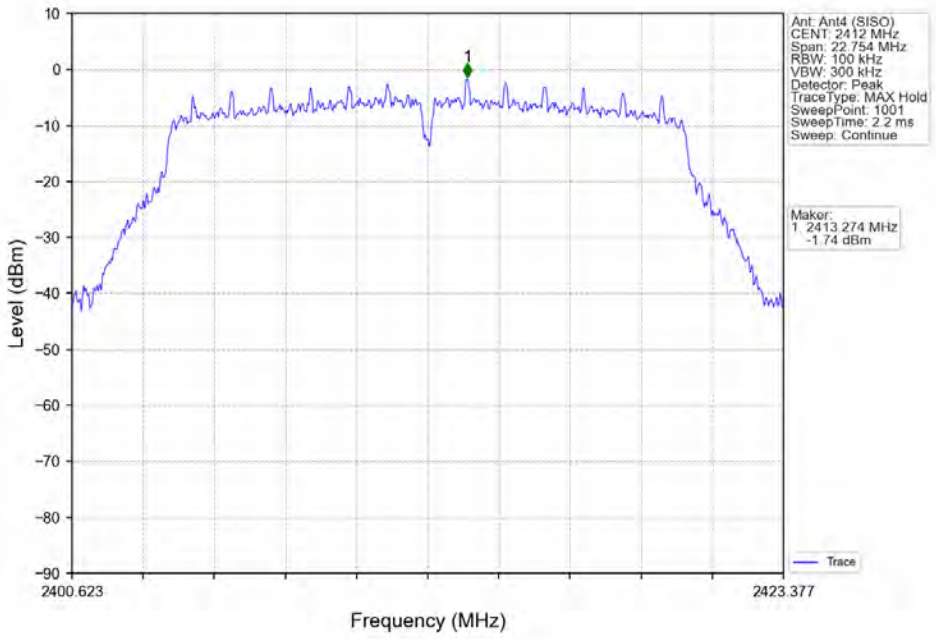
802.11g_LCH_2412MHz_Ant3 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant4 (SISO)_NTNV



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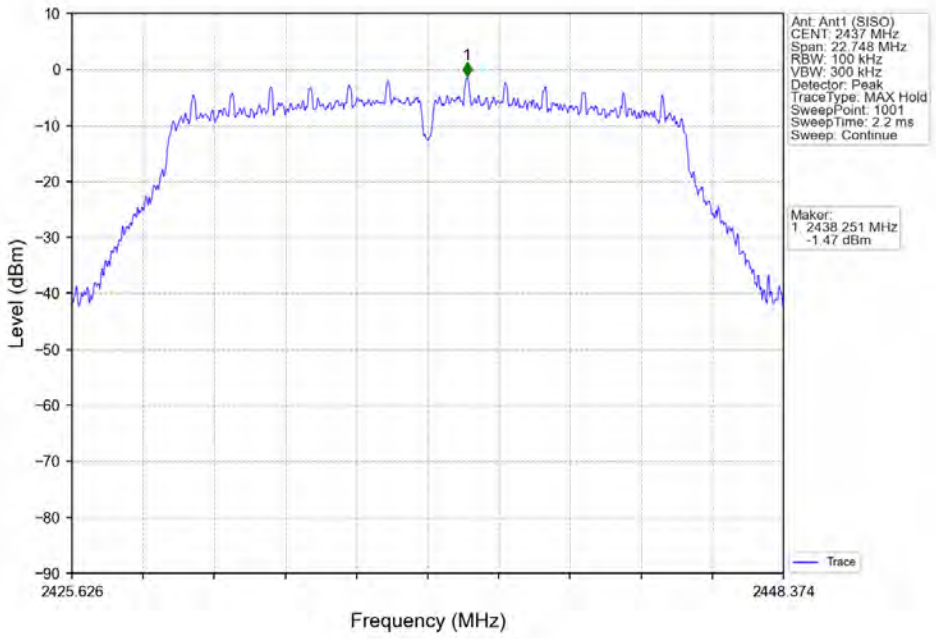
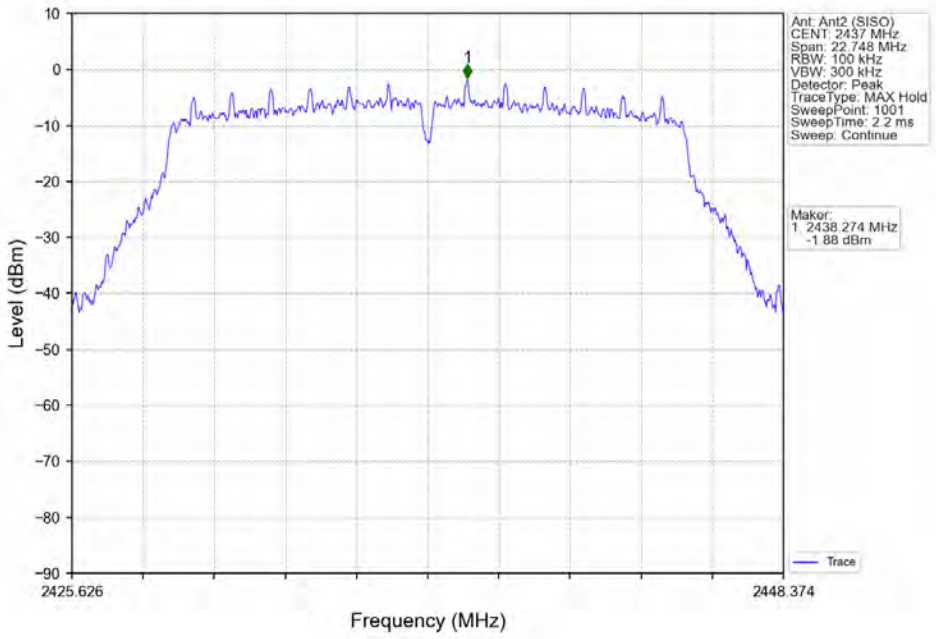
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



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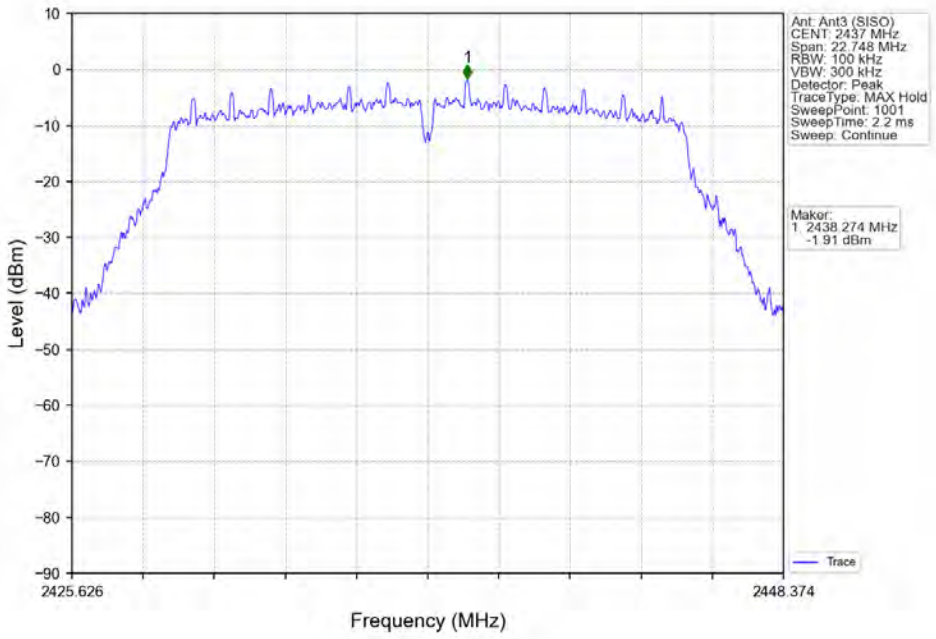
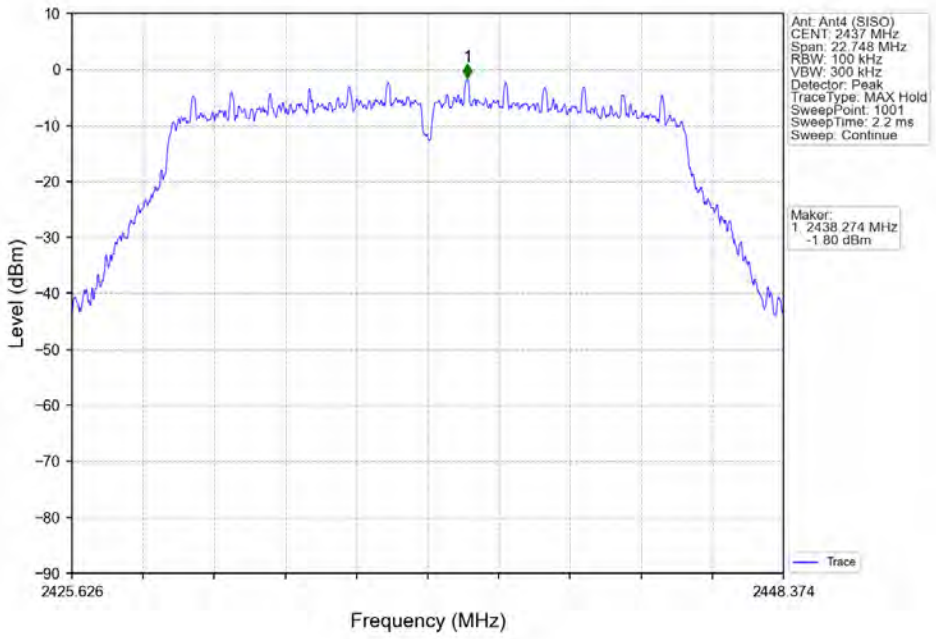
802.11g_MCH_2437MHz_Ant3 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant4 (SISO)_NTNV



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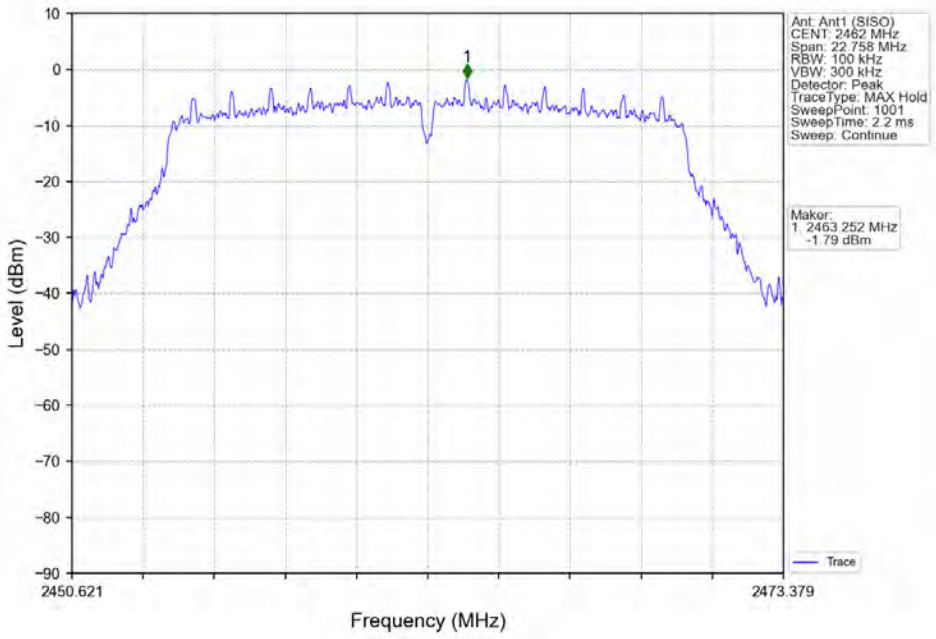
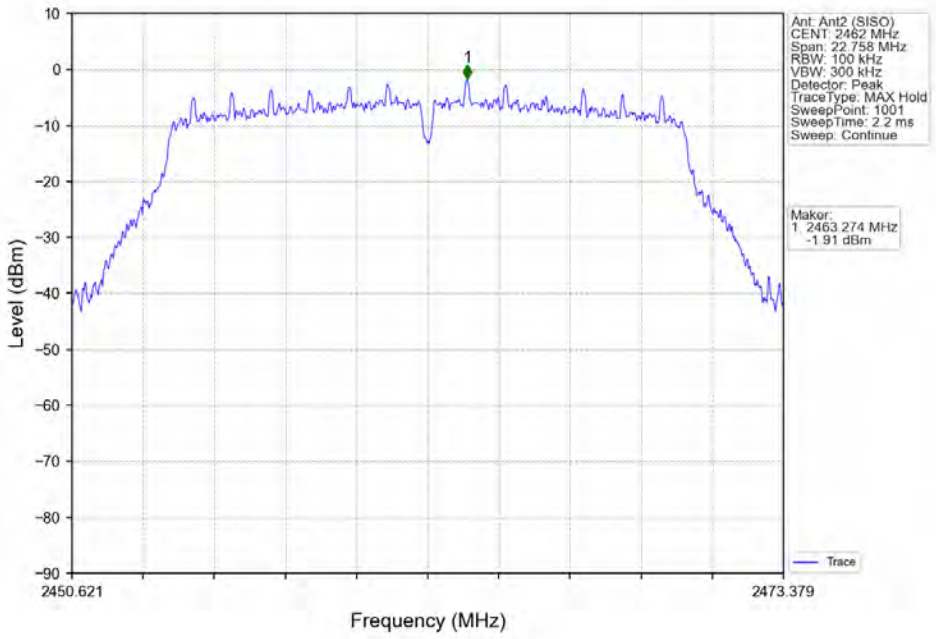
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



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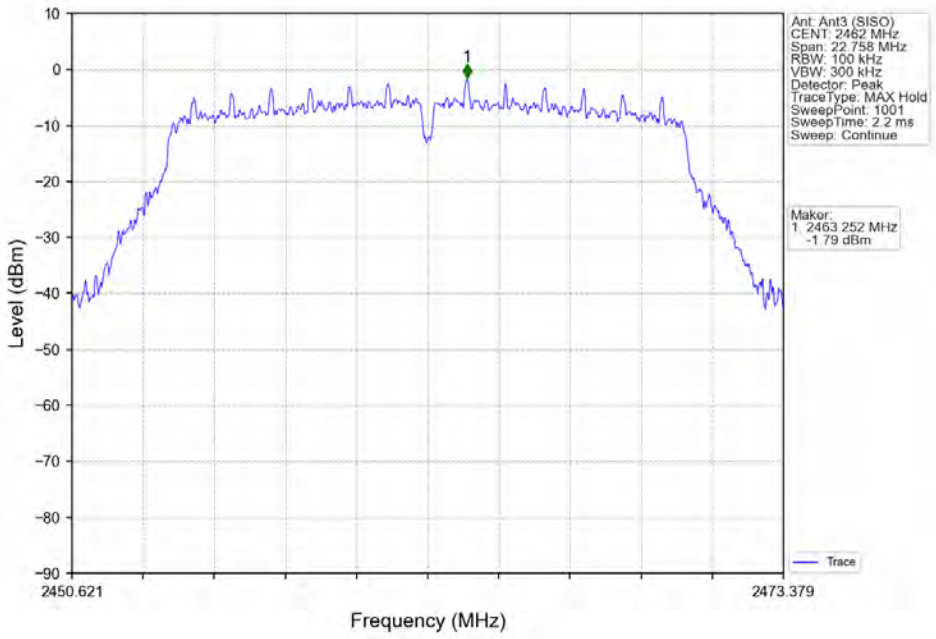
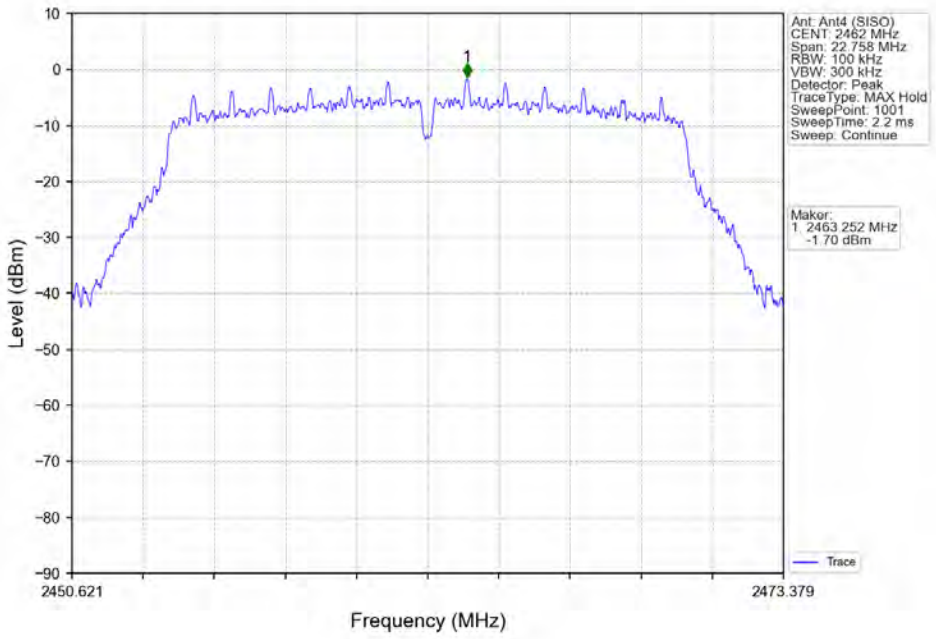
802.11g_HCH_2462MHz_Ant3 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant4 (SISO)_NTNV



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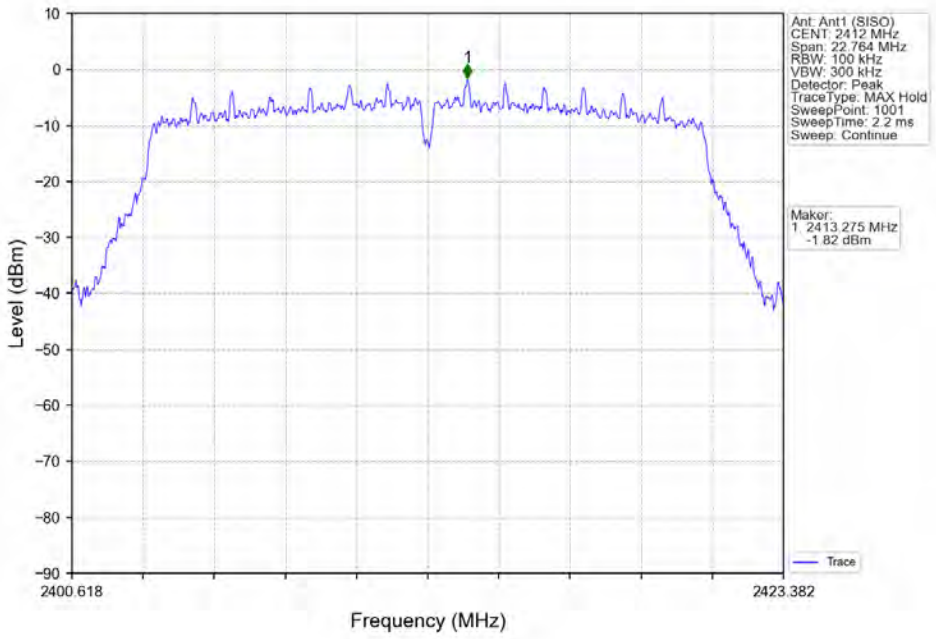
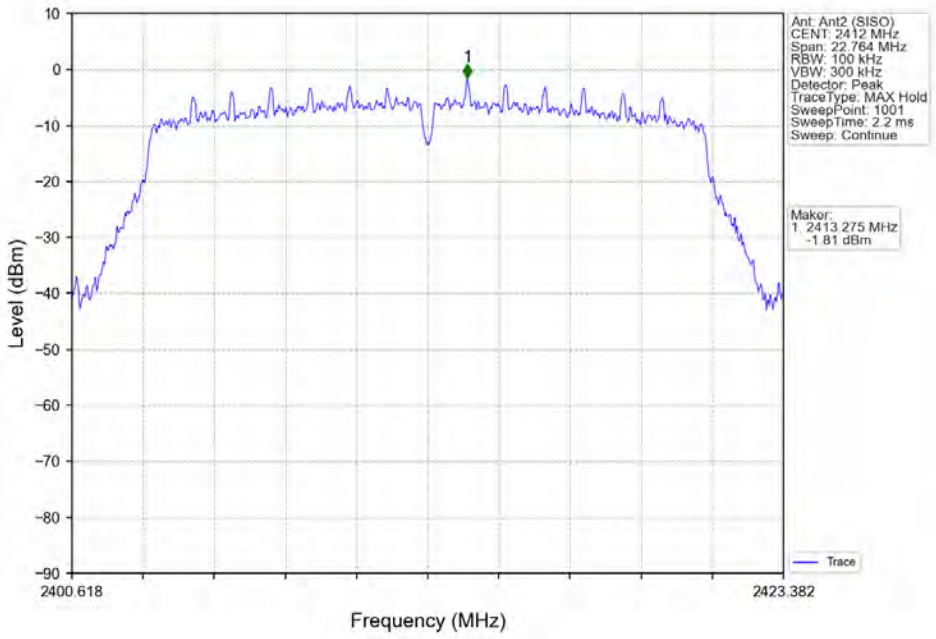
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



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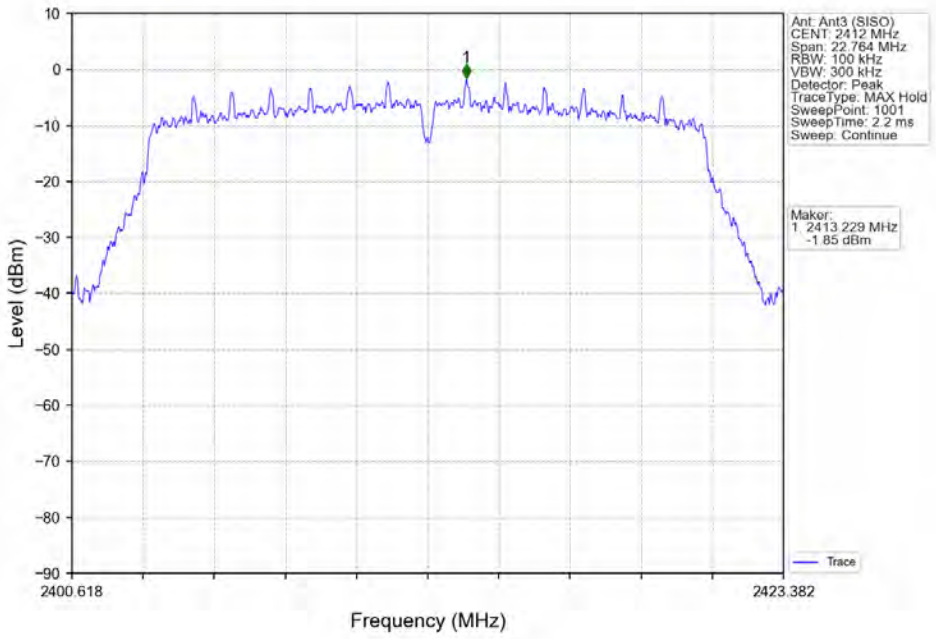
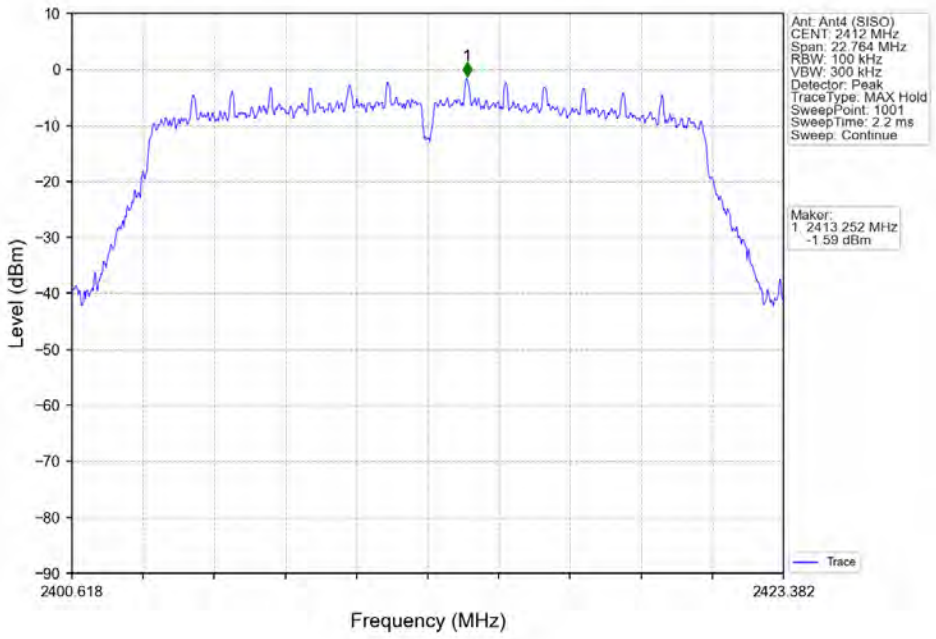
802.11n(HT20)_LCH_2412MHz_Ant3 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant4 (SISO)_NTNV



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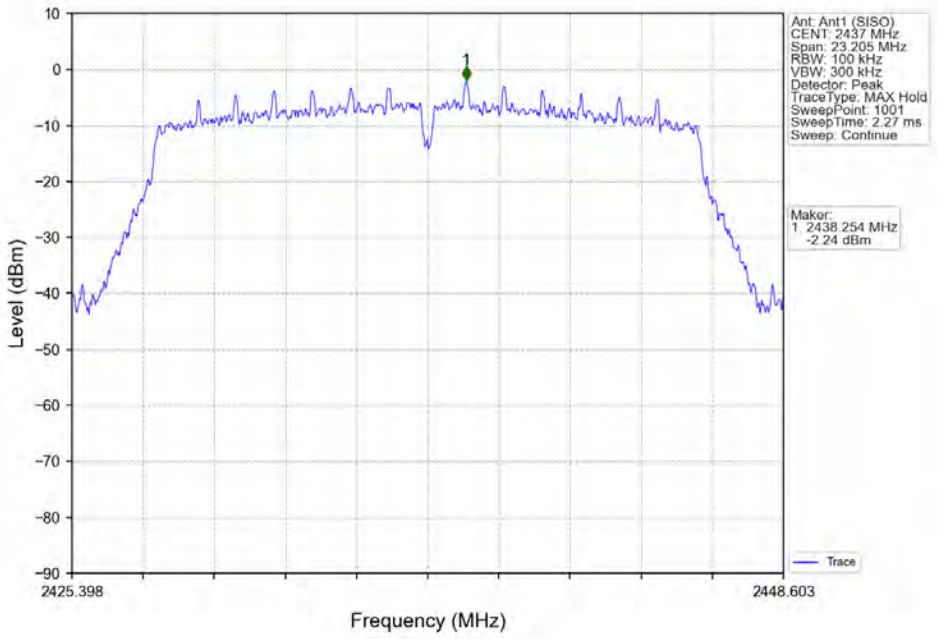
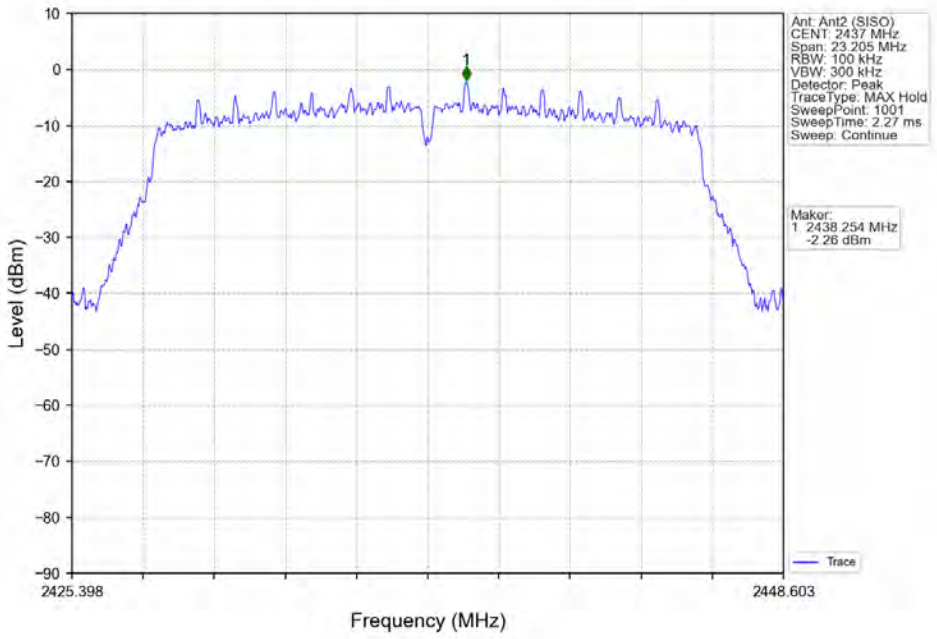
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



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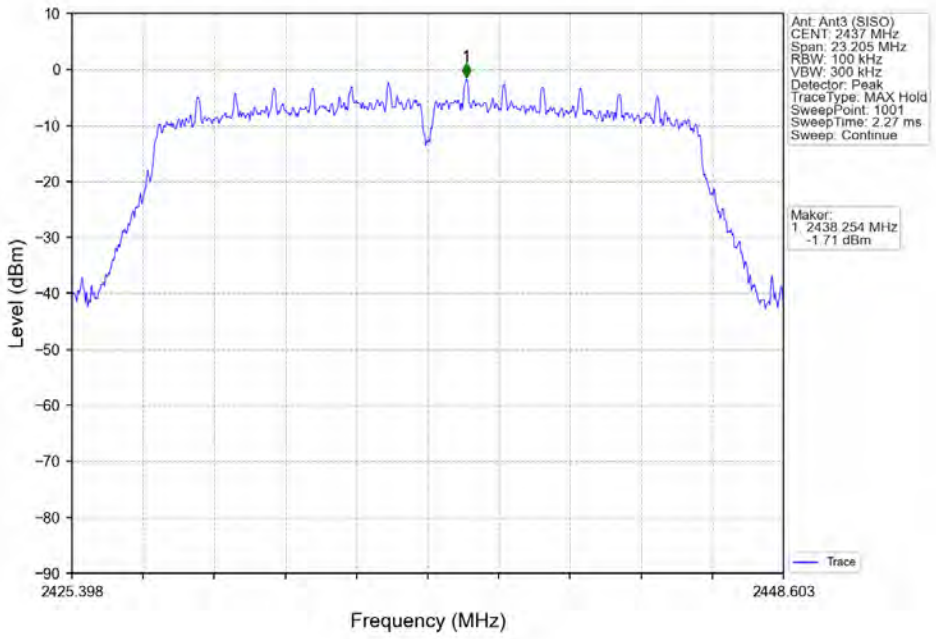
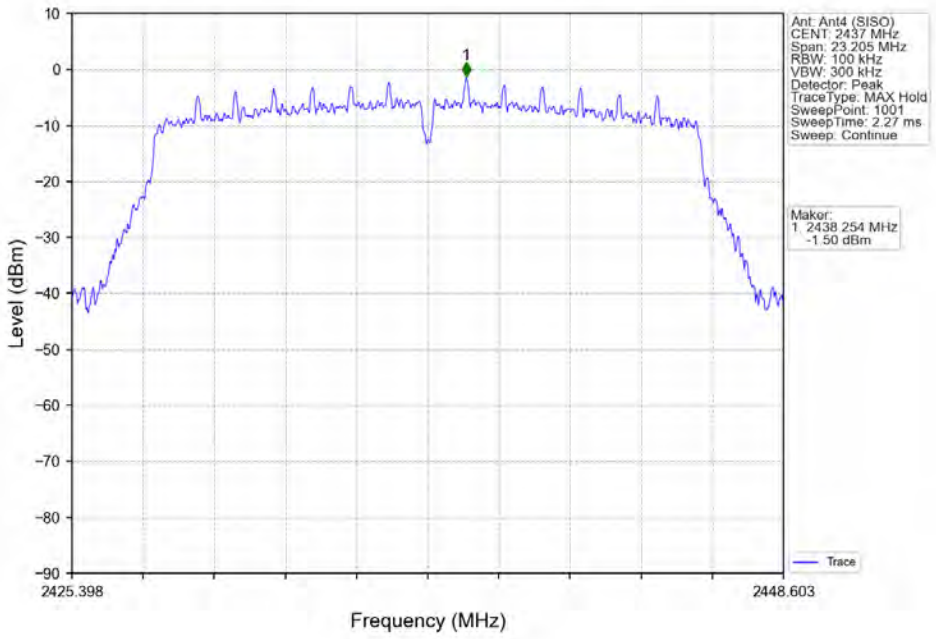
802.11n(HT20)_MCH_2437MHz_Ant3 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant4 (SISO)_NTNV



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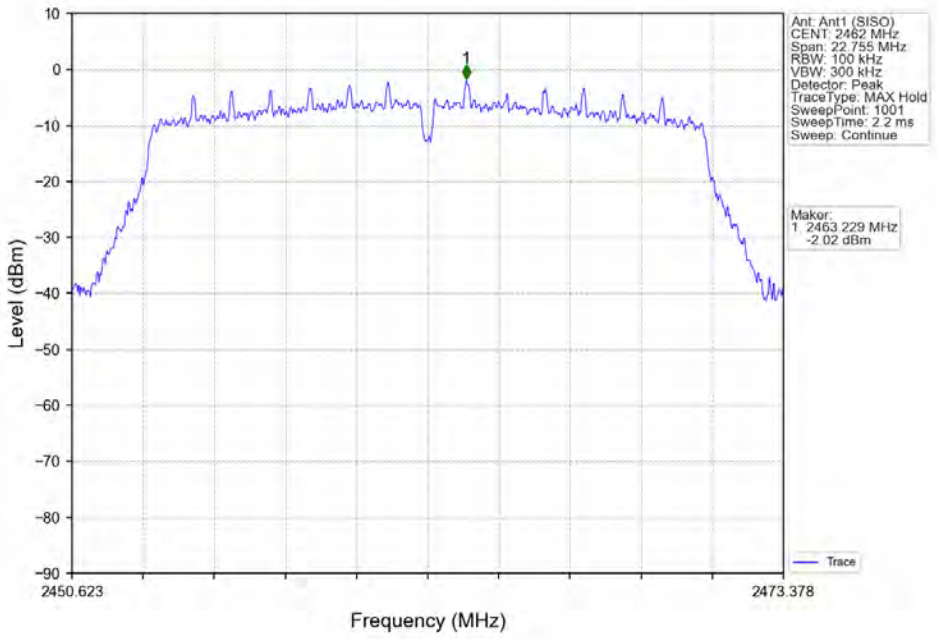
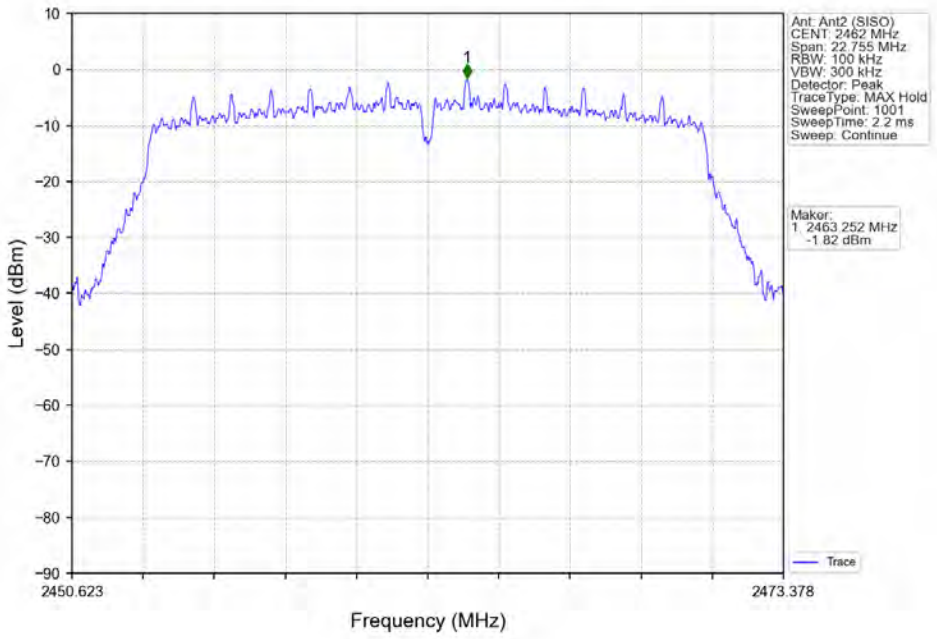
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



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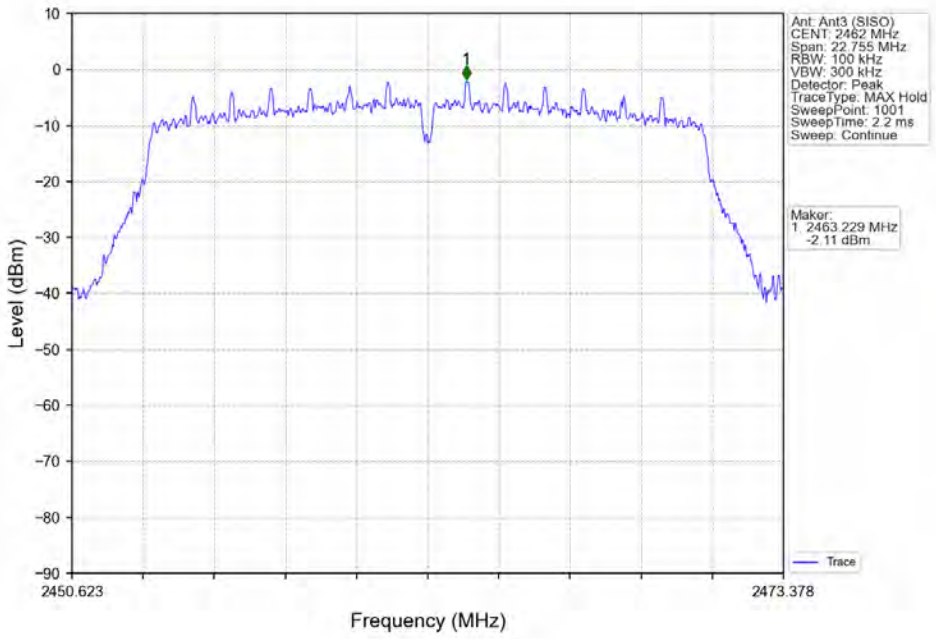
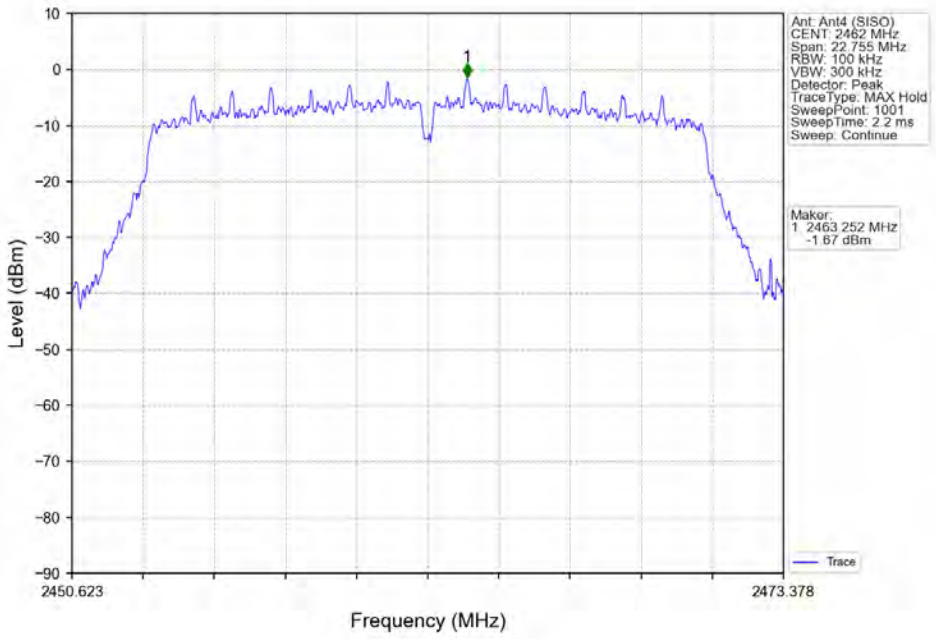
802.11n(HT20)_HCH_2462MHz_Ant3 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant4 (SISO)_NTNV



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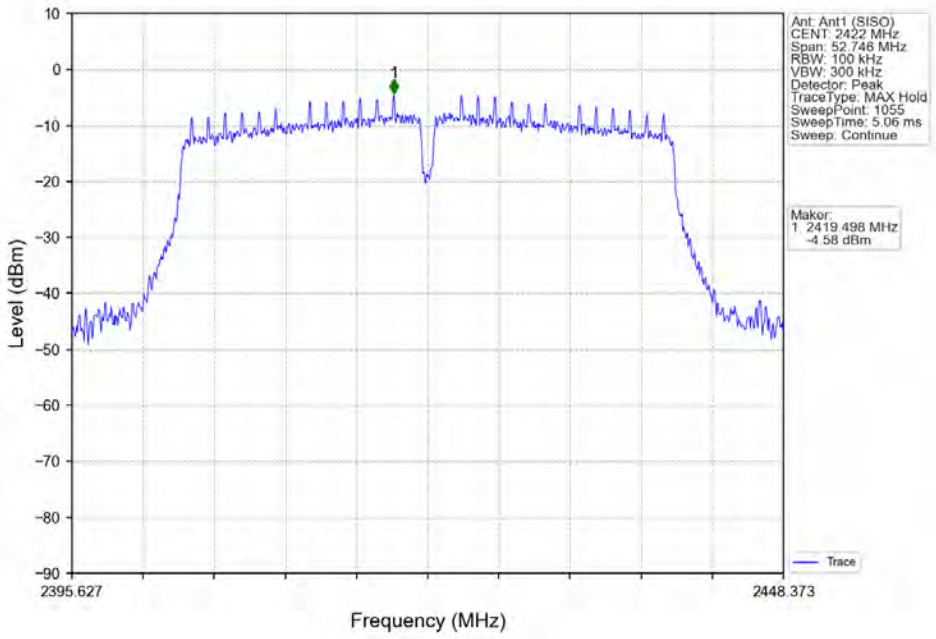
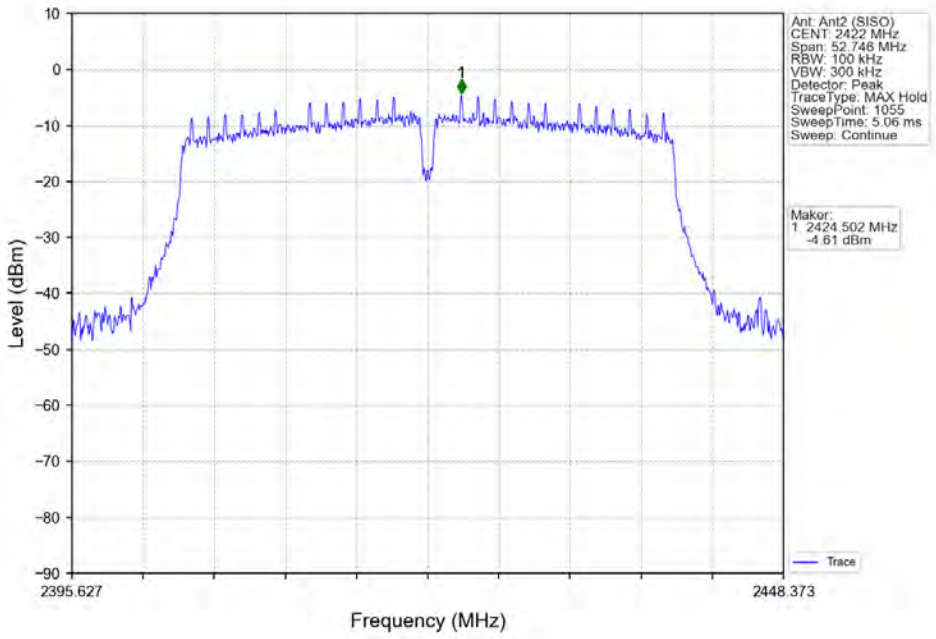
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



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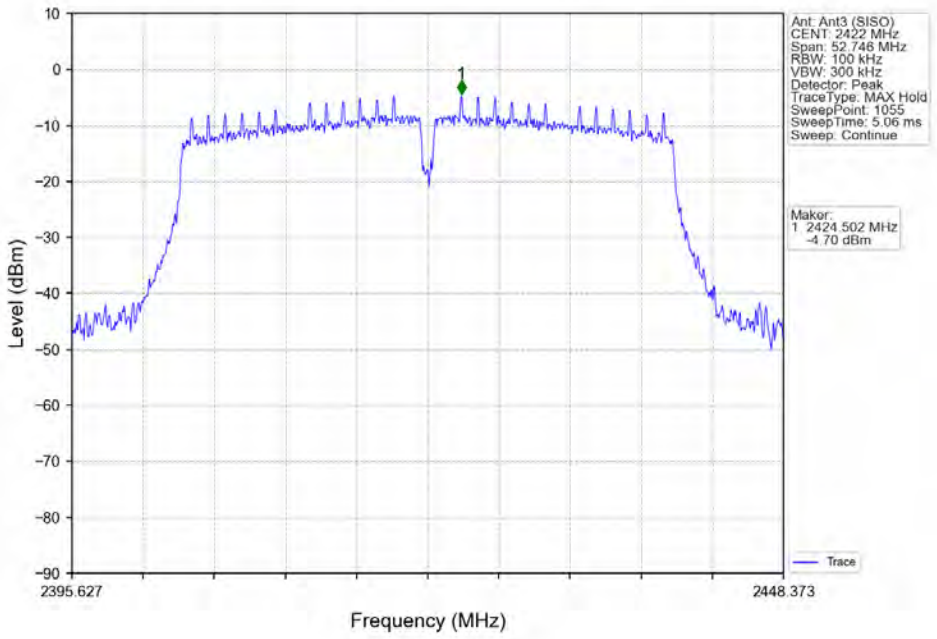
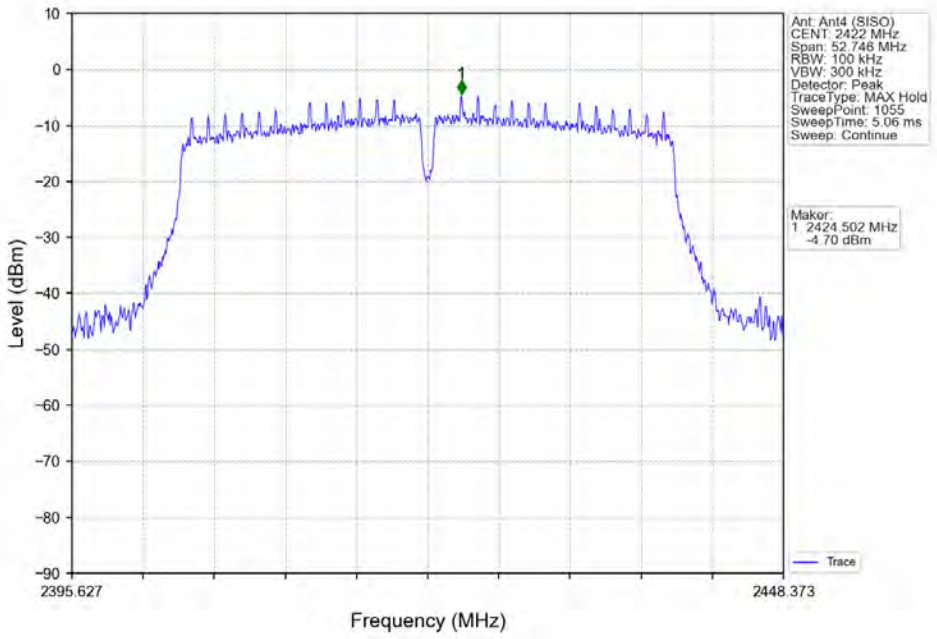
802.11n(HT40)_LCH_2422MHz_Ant3 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant4 (SISO)_NTNV



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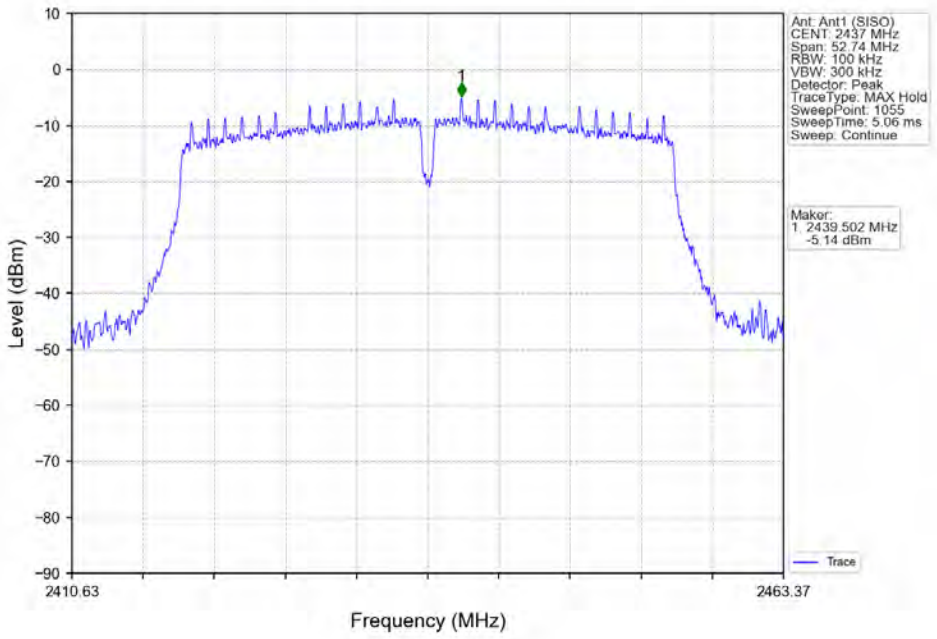
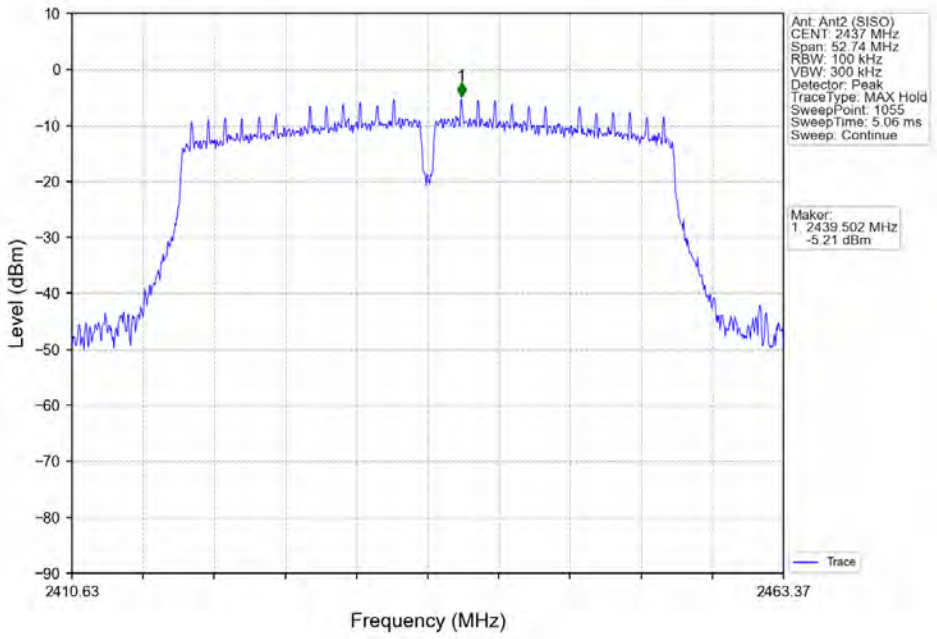
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



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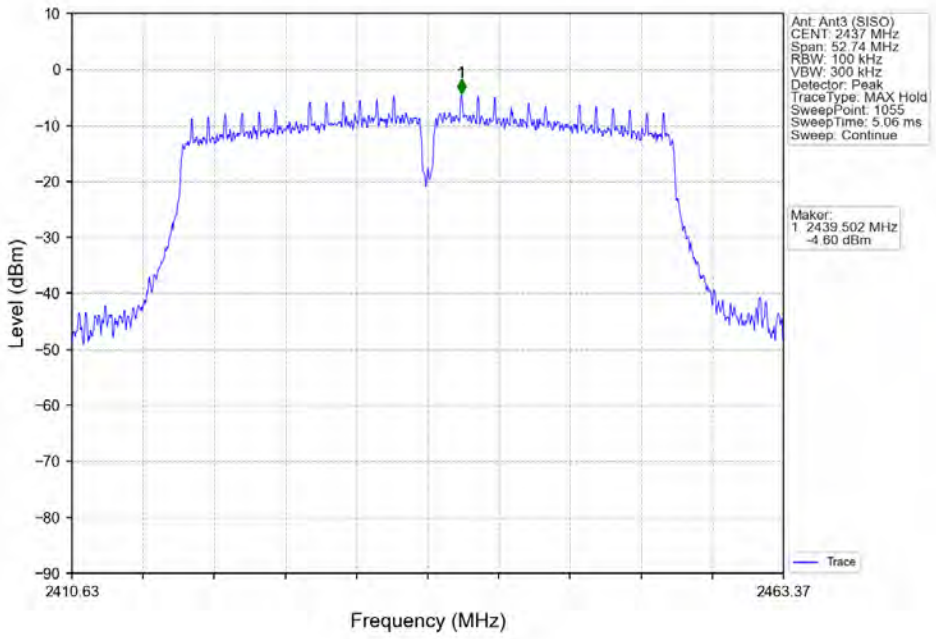
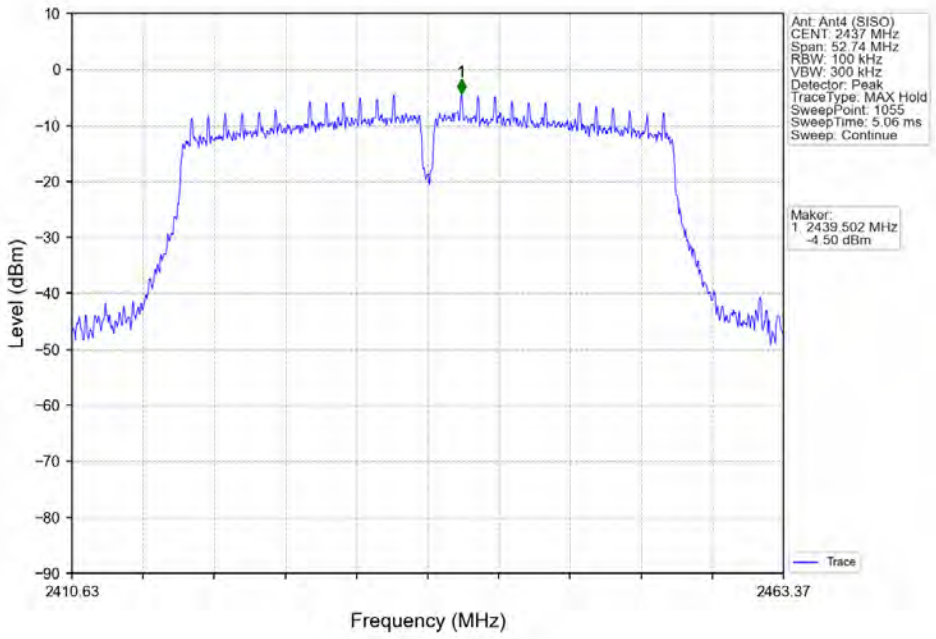
802.11n(HT40)_MCH_2437MHz_Ant3 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant4 (SISO)_NTNV



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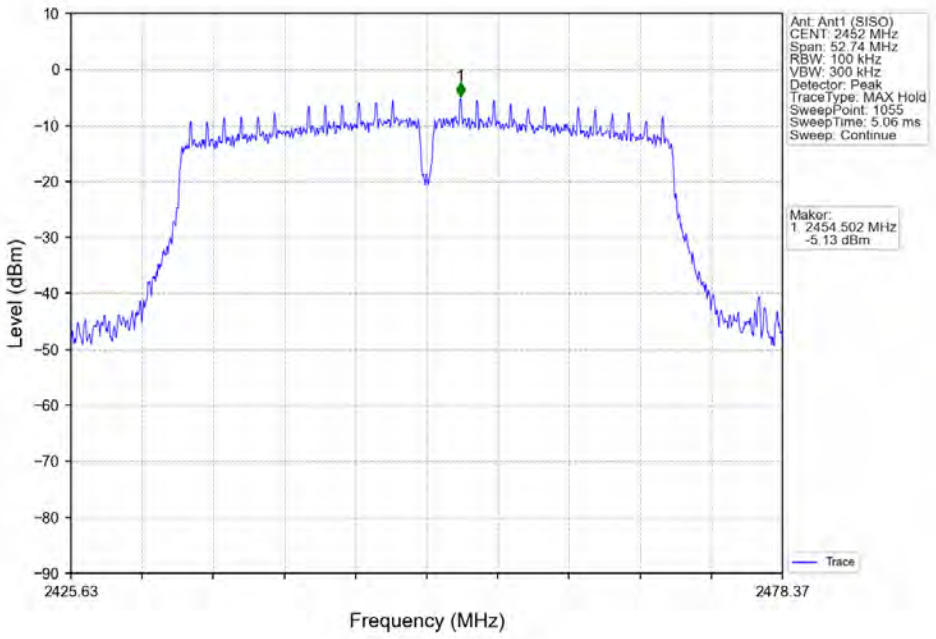
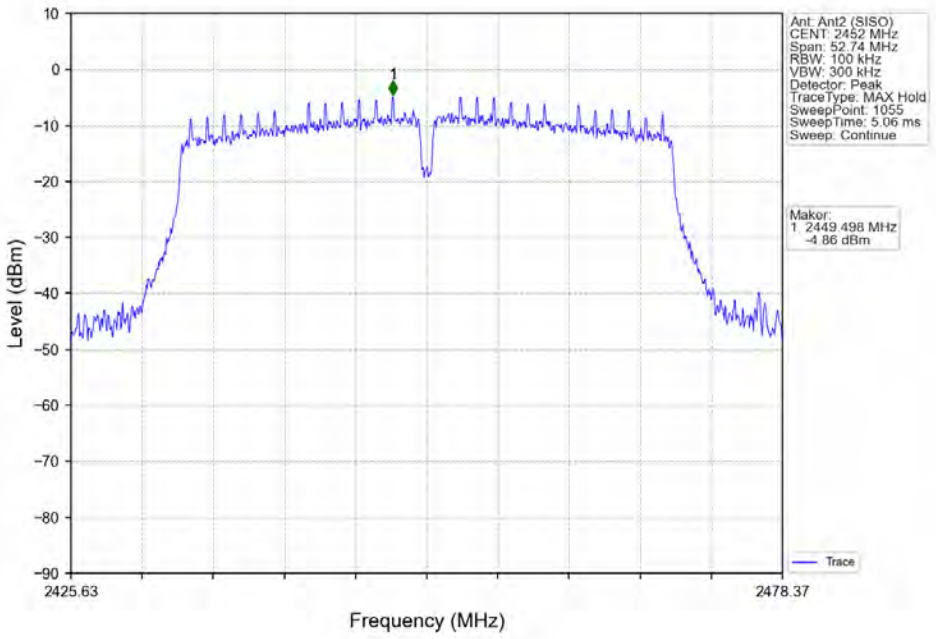
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



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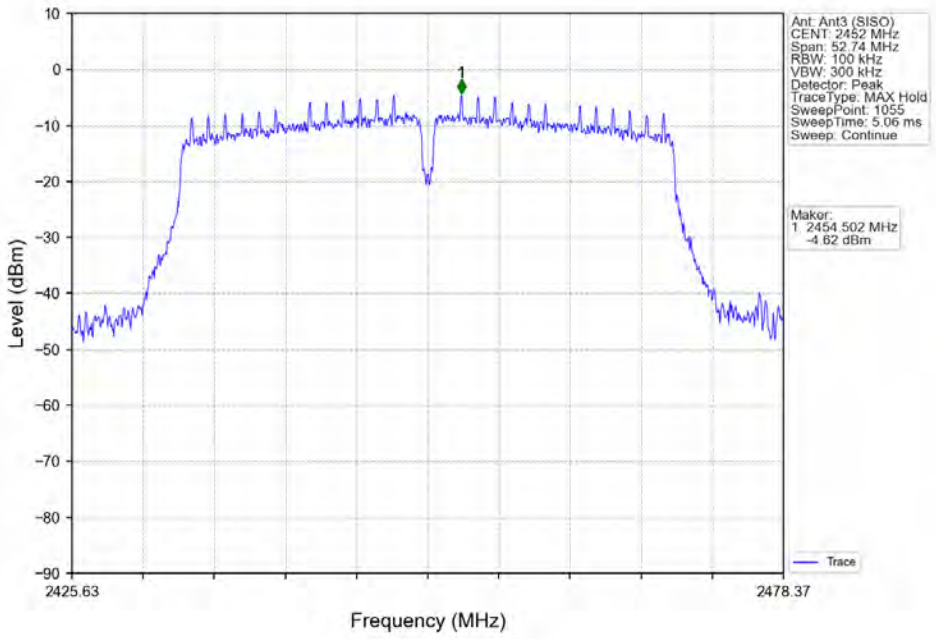
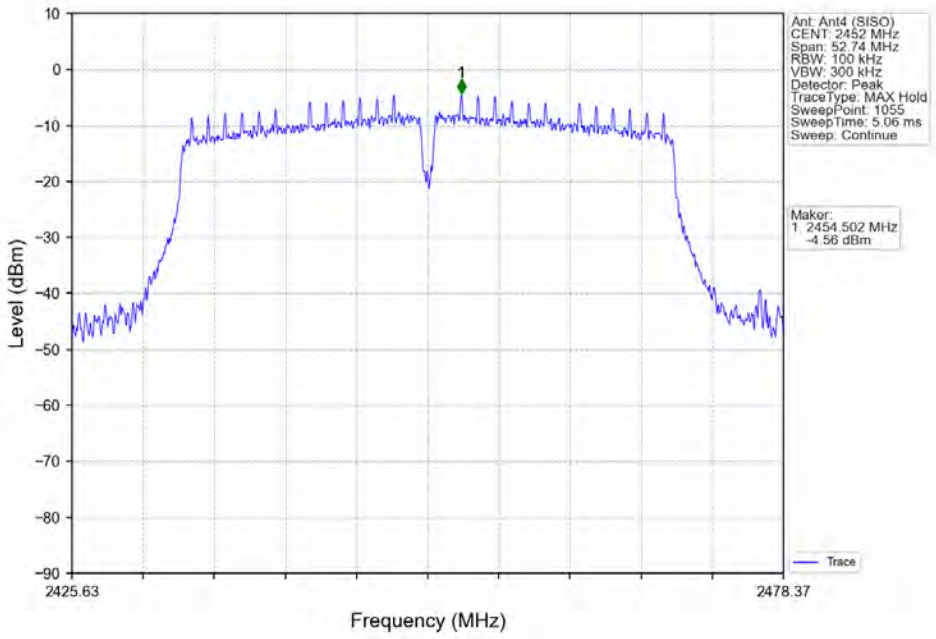
802.11n(HT40)_HCH_2452MHz_Ant3 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant4 (SISO)_NTNV



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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.41	-14.59	Pass
			2	4.14	-15.86	Pass
			3	4.76	-15.24	Pass
			4	4.76	-15.24	Pass
		2437	1	5.41	-14.59	Pass
			2	4.14	-15.86	Pass
			3	4.76	-15.24	Pass
			4	4.76	-15.24	Pass
		2462	1	5.41	-14.59	Pass
			2	4.14	-15.86	Pass
			3	4.76	-15.24	Pass
			4	4.76	-15.24	Pass
802.11g	SISO	2412	1	-1.12	-21.12	Pass
			2	0.94	-19.06	Pass
			3	-1.79	-21.79	Pass
			4	-1.70	-21.70	Pass
		2437	1	-1.12	-21.12	Pass
			2	0.94	-19.06	Pass
			3	-1.79	-21.79	Pass
			4	-1.70	-21.70	Pass
		2462	1	-1.12	-21.12	Pass
			2	0.94	-19.06	Pass
			3	-1.79	-21.79	Pass
			4	-1.70	-21.70	Pass
802.11n (HT20)	SISO	2412	1	-1.82	-21.82	Pass
			2	-1.81	-21.81	Pass
			3	-1.71	-21.71	Pass
			4	-1.50	-21.50	Pass
		2437	1	-1.82	-21.82	Pass
			2	-1.81	-21.81	Pass
			3	-1.71	-21.71	Pass
			4	-1.50	-21.50	Pass
		2462	1	-1.82	-21.82	Pass
			2	-1.81	-21.81	Pass
			3	-1.71	-21.71	Pass
			4	-1.50	-21.50	Pass
802.11n (HT40)	SISO	2422	1	-4.58	-24.58	Pass
			2	-4.61	-24.61	Pass
			3	-4.60	-24.60	Pass
			4	-4.50	-24.50	Pass
		2437	1	-4.58	-24.58	Pass
			2	-4.61	-24.61	Pass
			3	-4.60	-24.60	Pass
			4	-4.50	-24.50	Pass
		2452	1	-4.58	-24.58	Pass
			2	-4.61	-24.61	Pass
			3	-4.60	-24.60	Pass
			4	-4.50	-24.50	Pass

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

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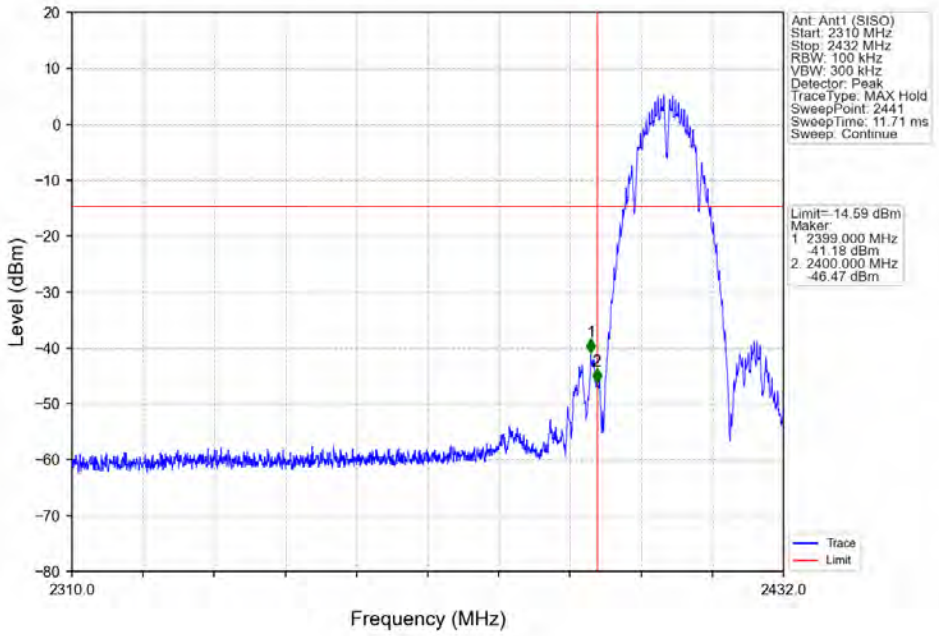
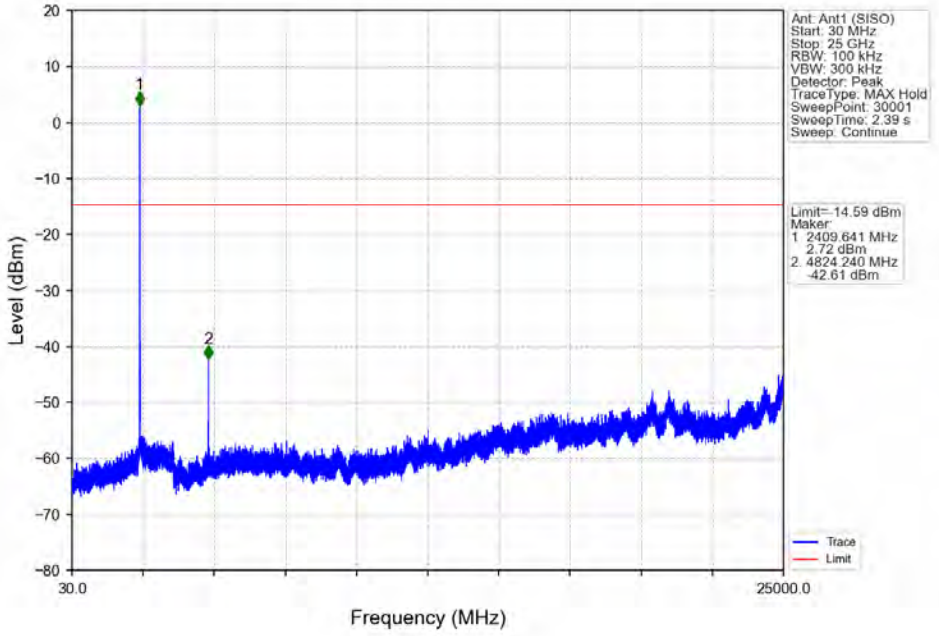
5.2.2 Test Graph

802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



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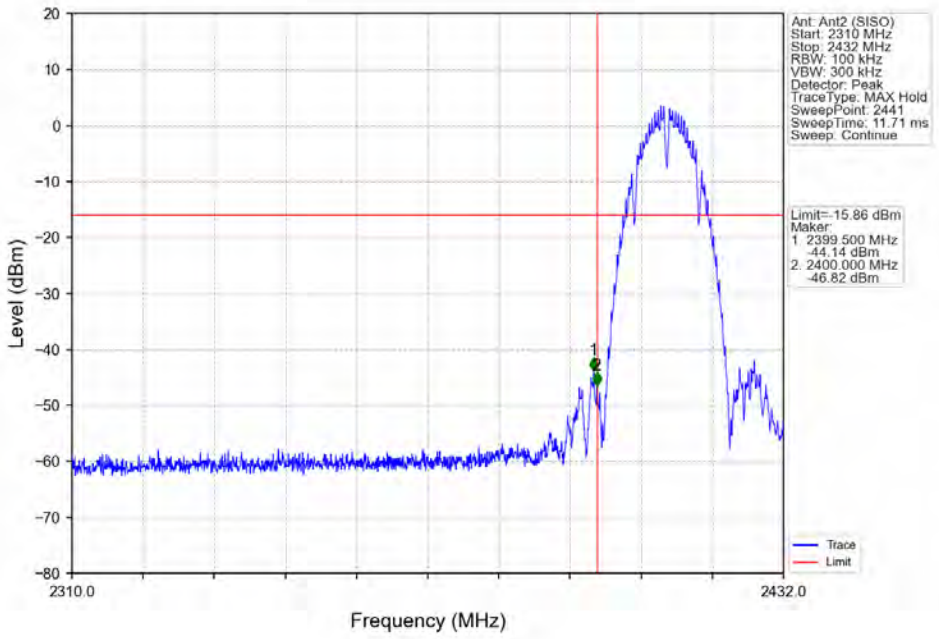
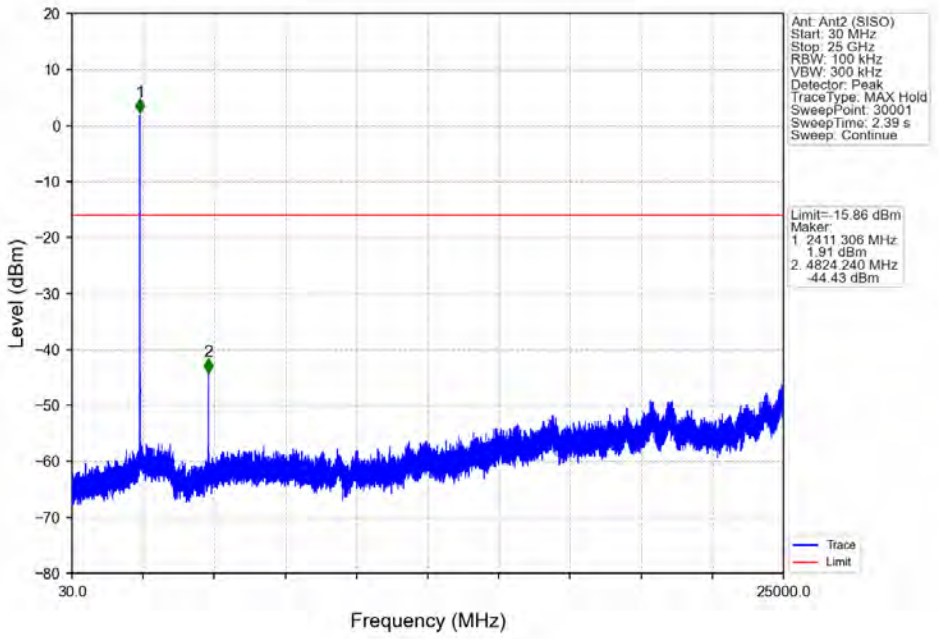
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



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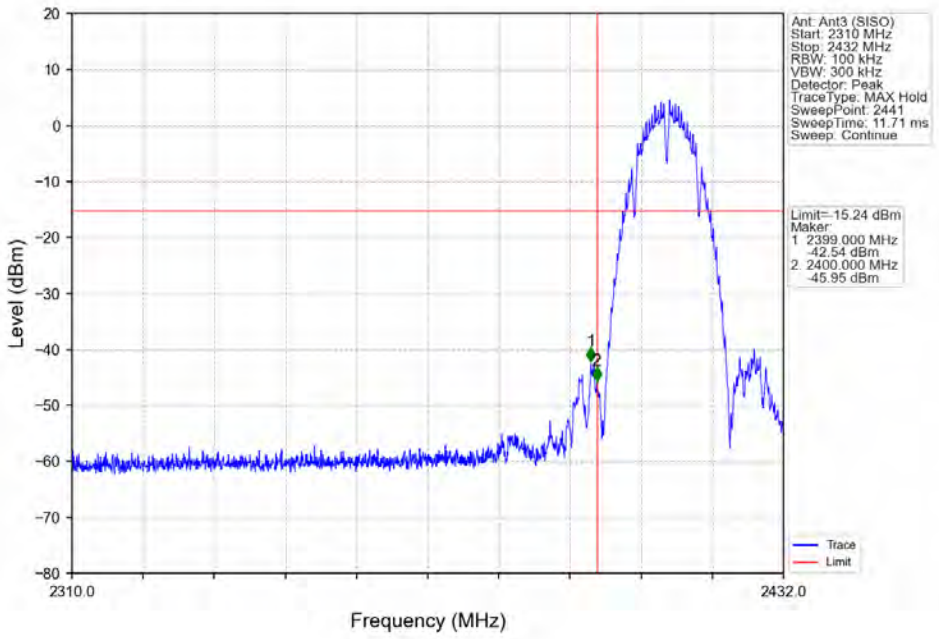
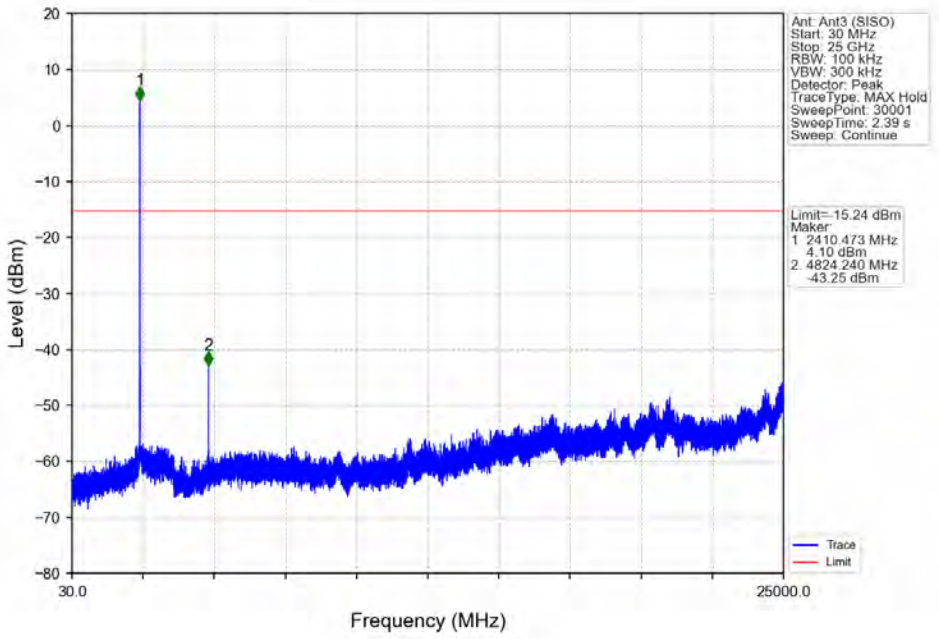
802.11b_LCH_2412MHz_Ant3 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant3 (SISO)_NTNV



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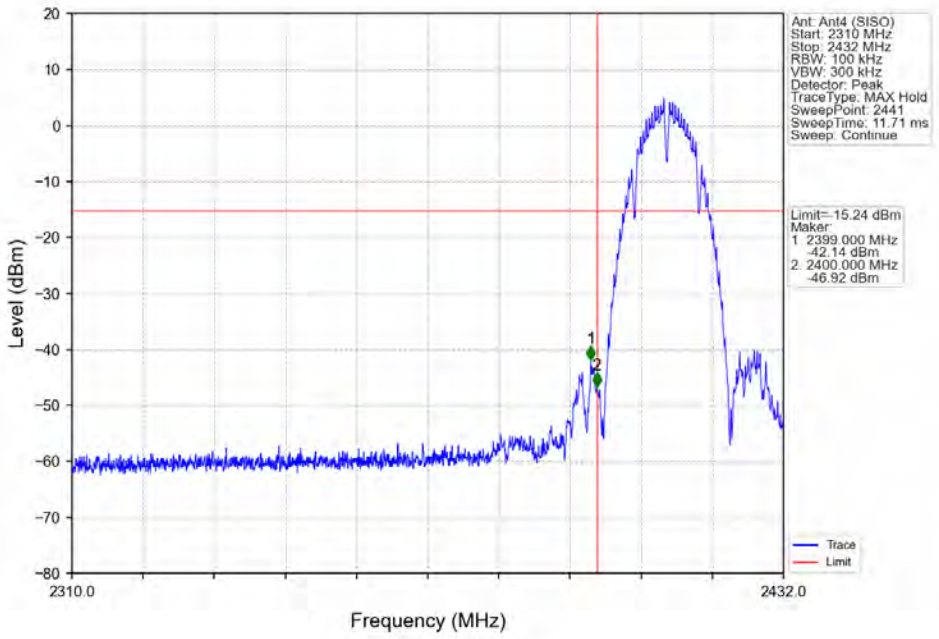
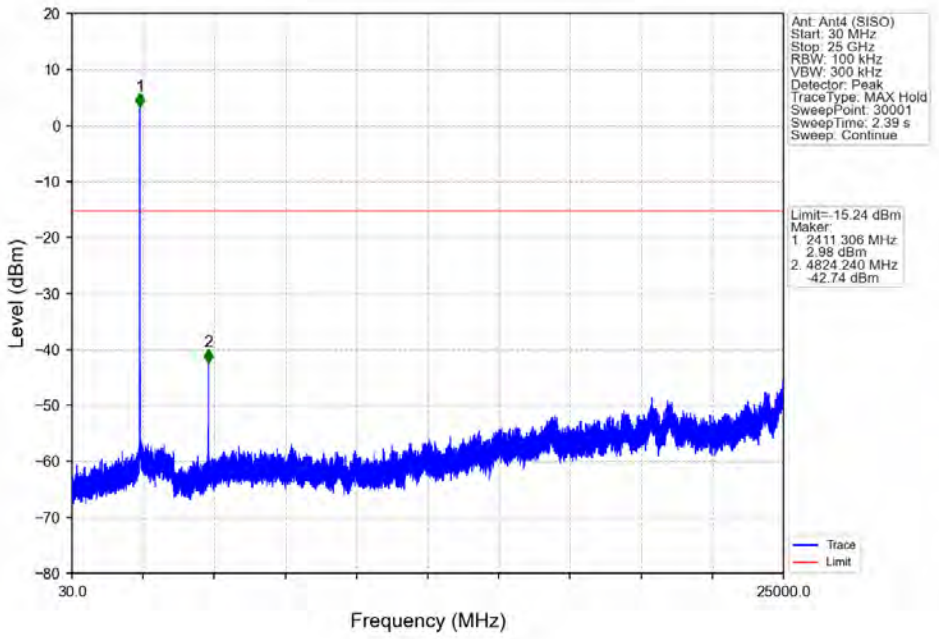
802.11b_LCH_2412MHz_Ant4 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant4 (SISO)_NTNV



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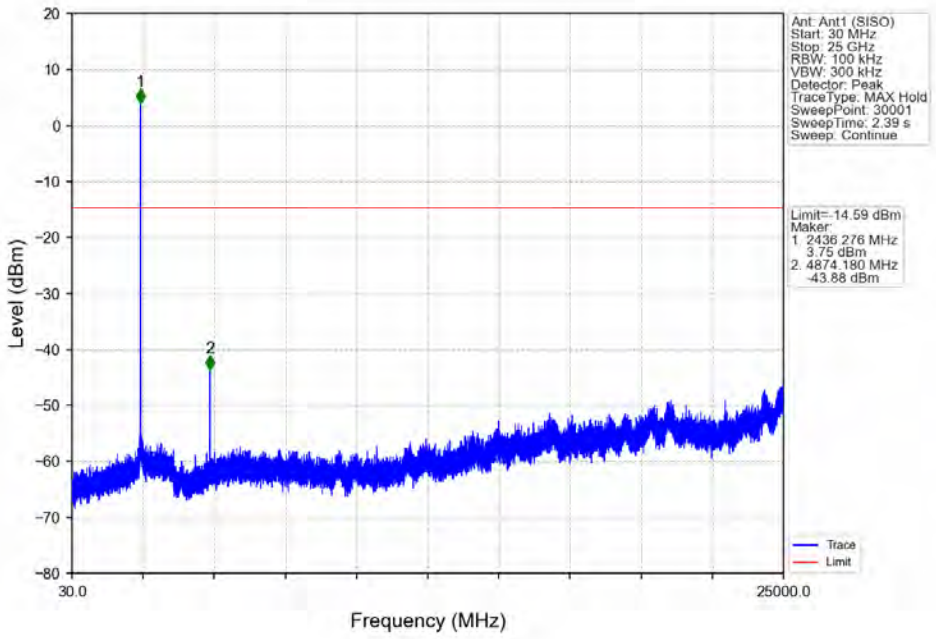
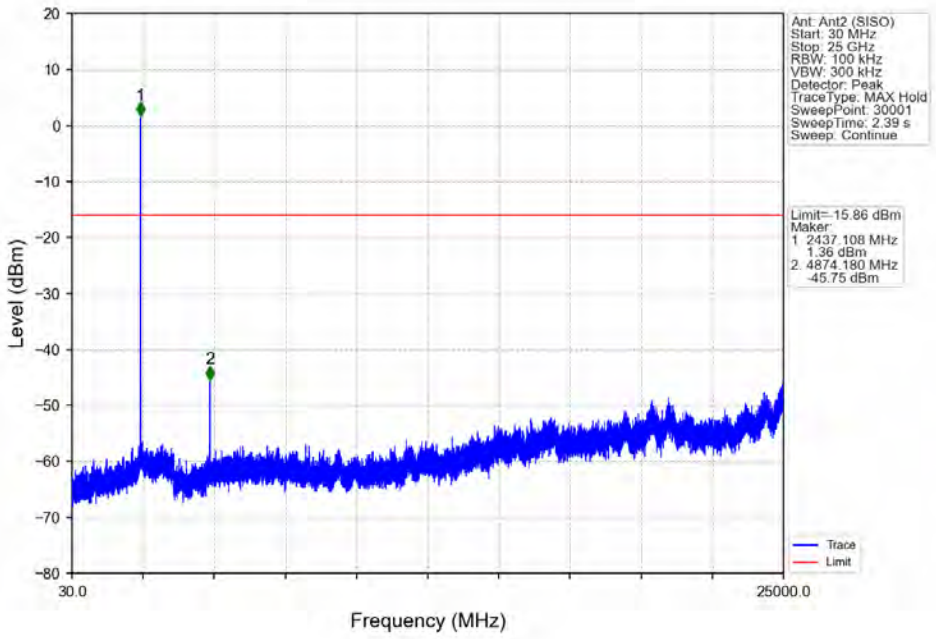
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



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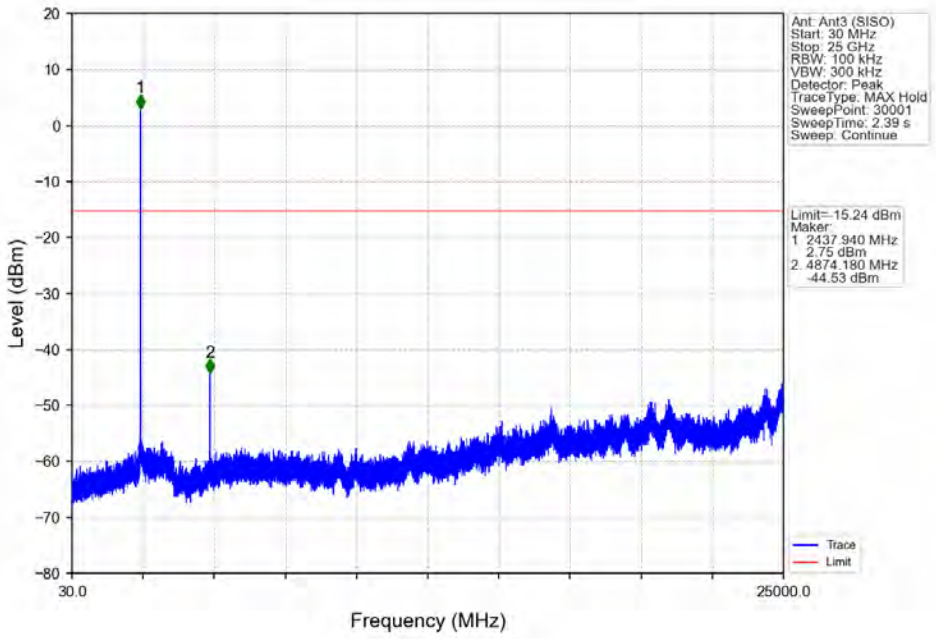
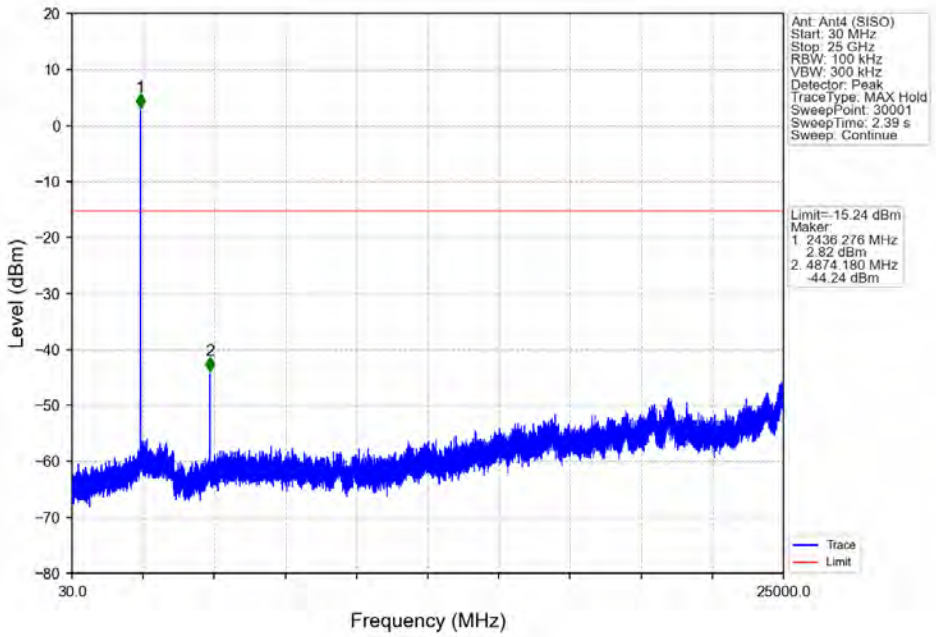
802.11b_MCH_2437MHz_Ant3 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant4 (SISO)_NTNV



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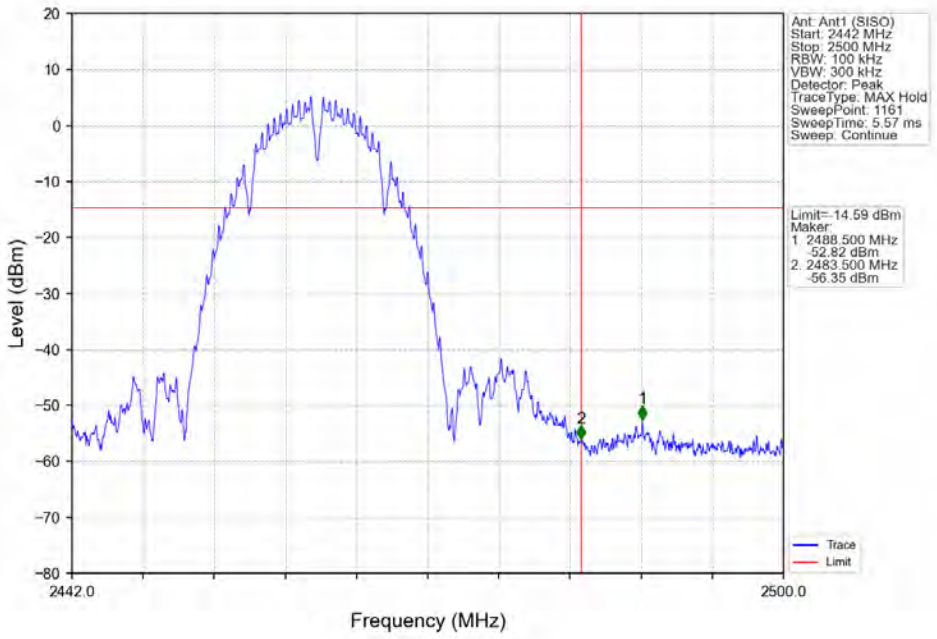
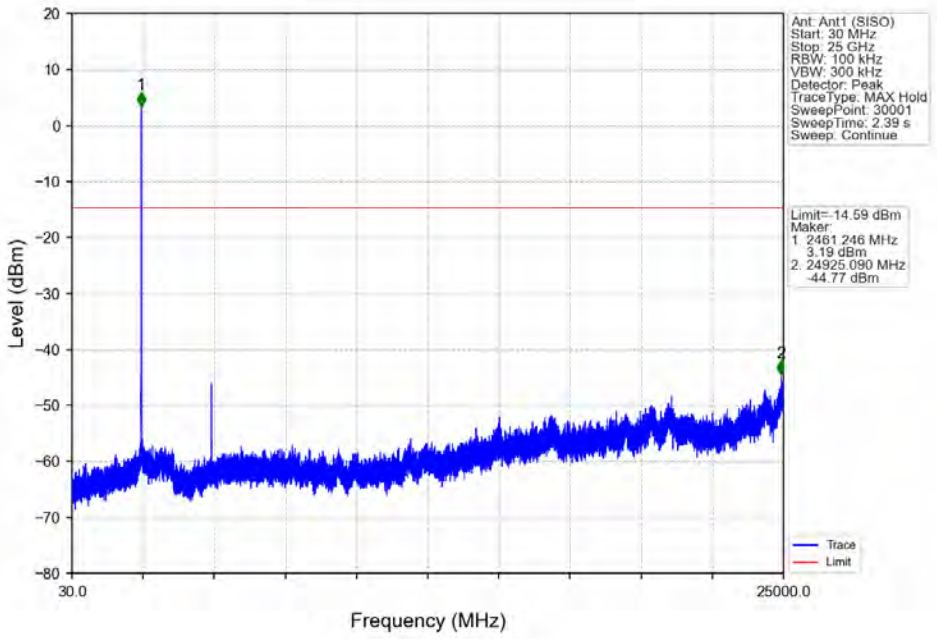
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



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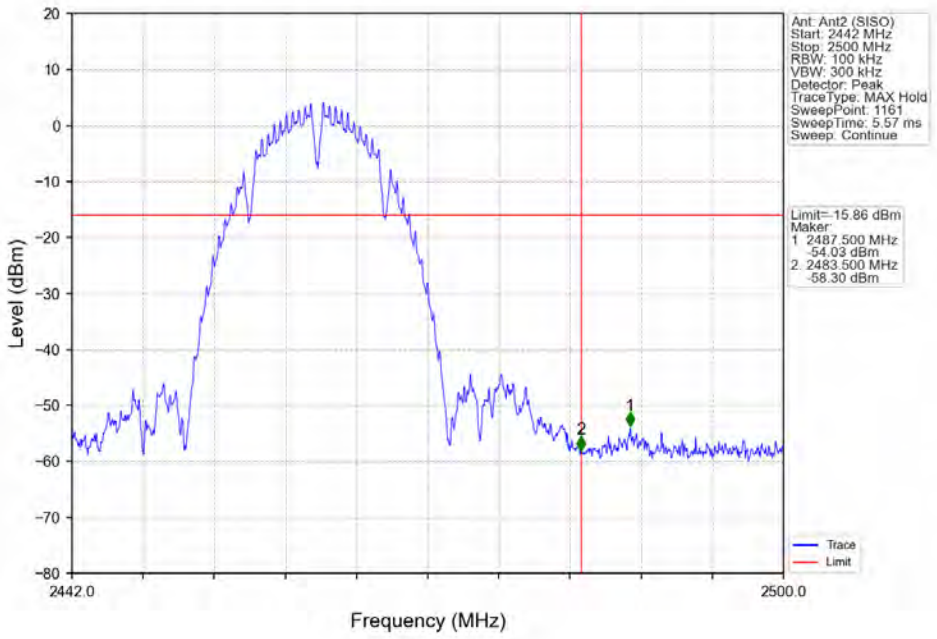
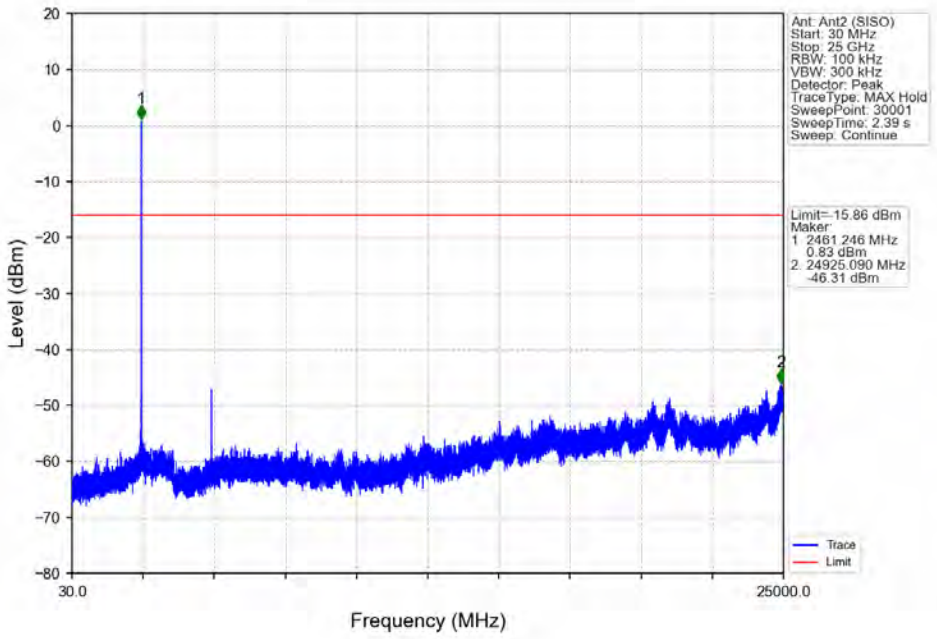
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



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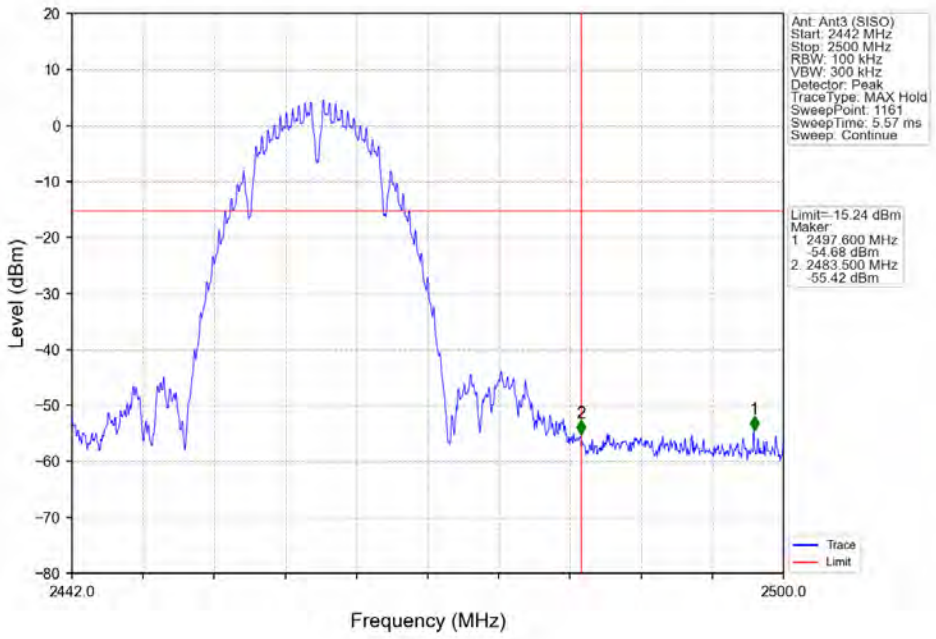
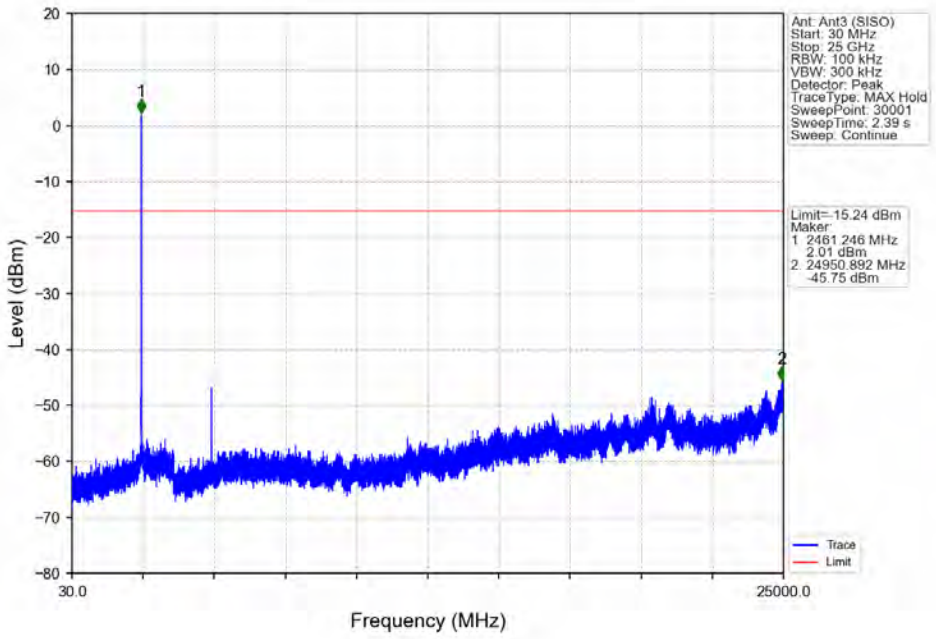
802.11b_HCH_2462MHz_Ant3 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant3 (SISO)_NTNV



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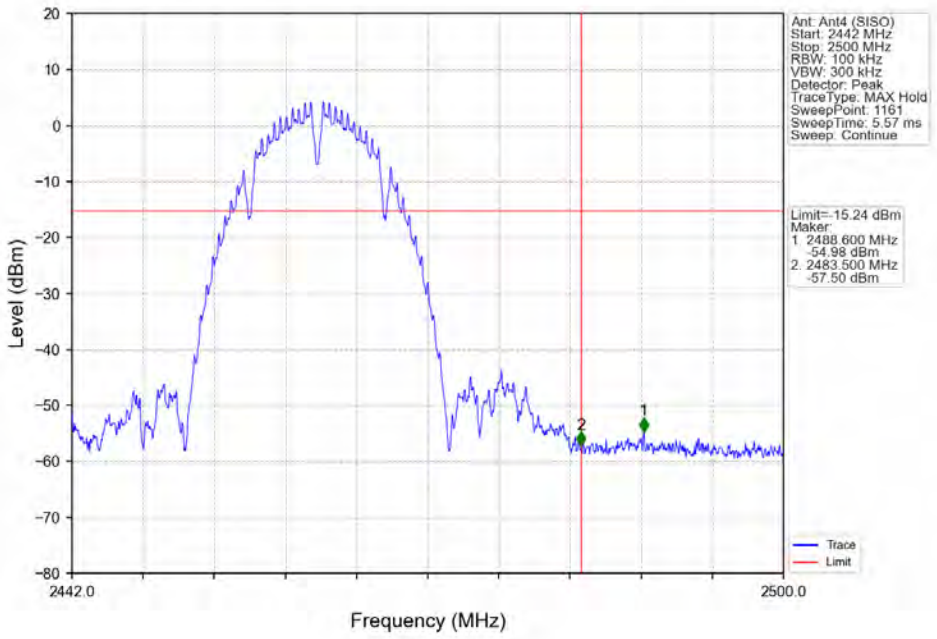
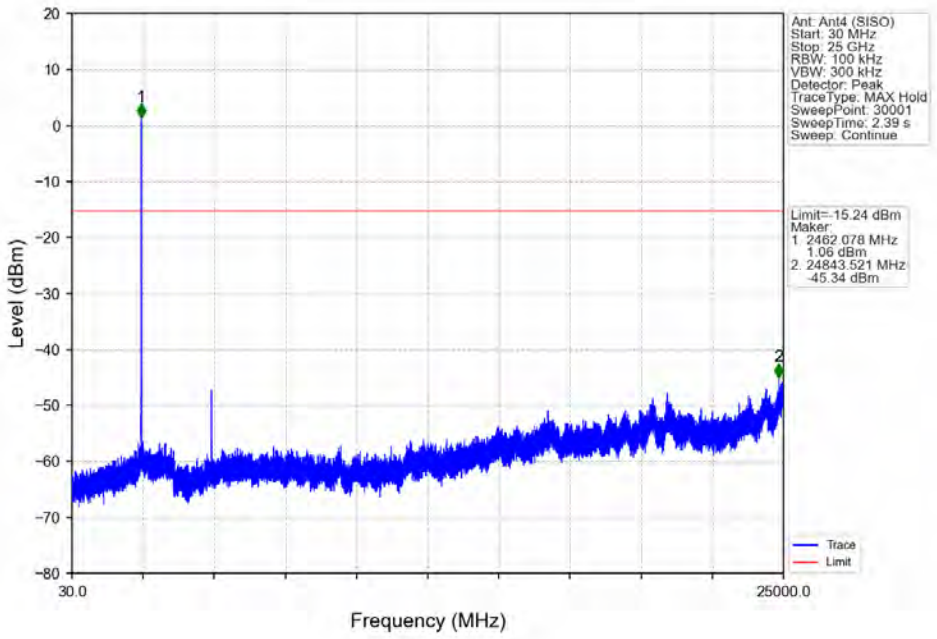
802.11b_HCH_2462MHz_Ant4 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant4 (SISO)_NTNV



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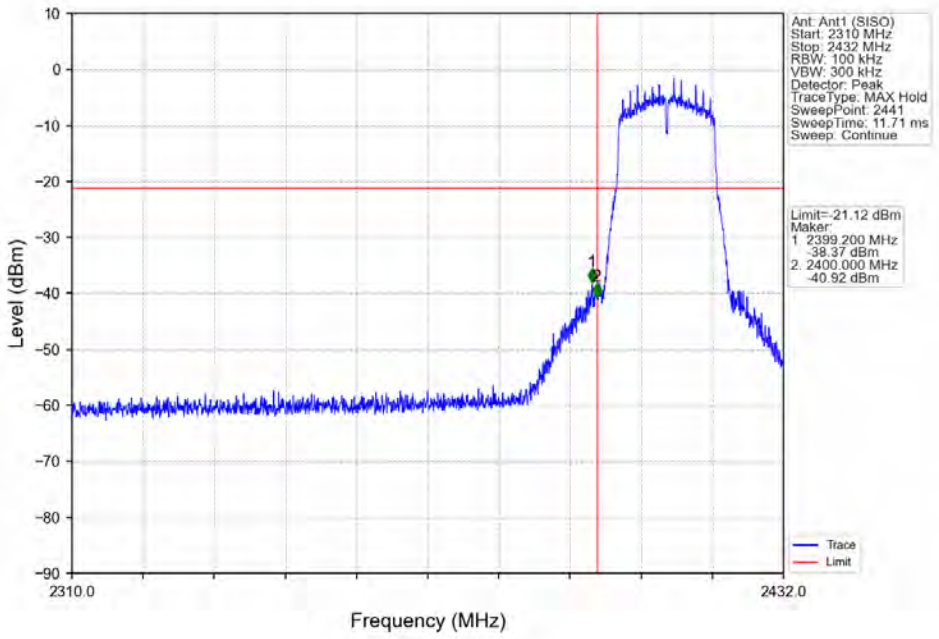
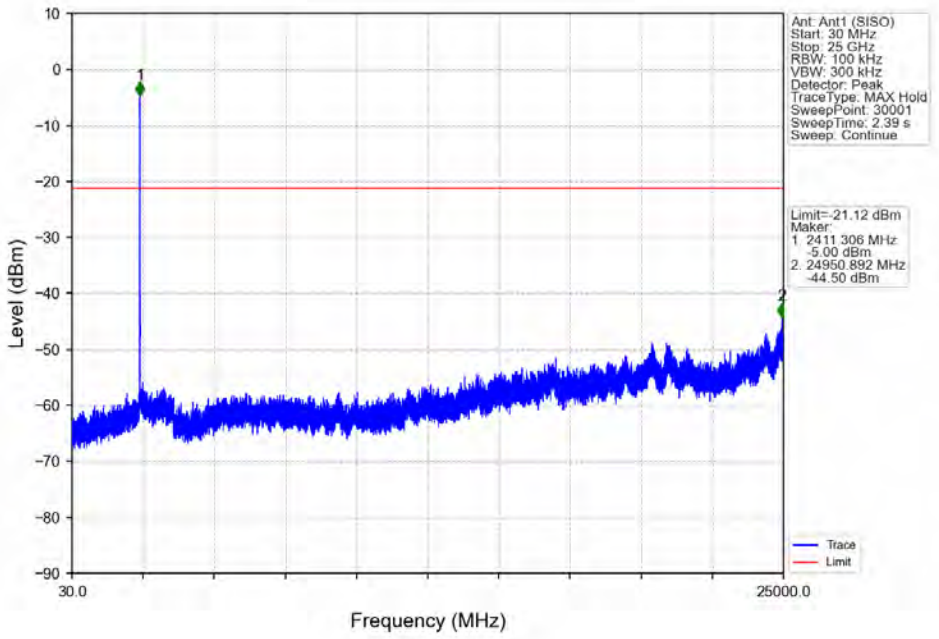
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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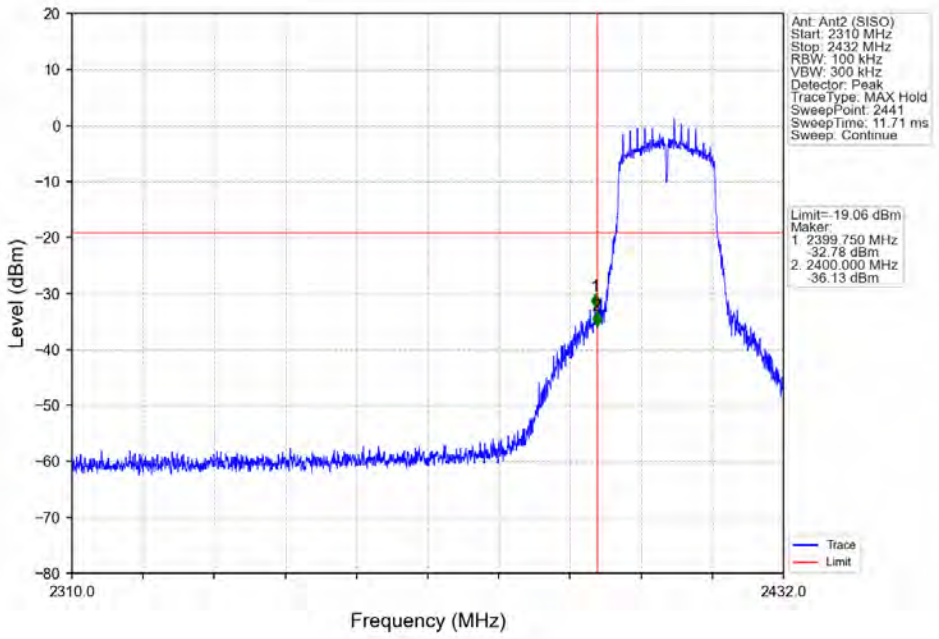
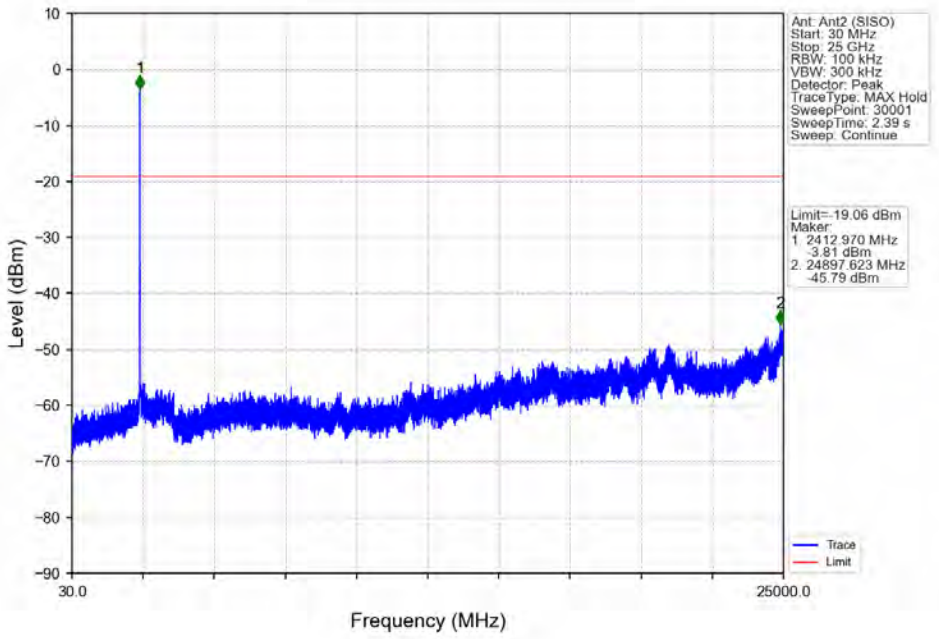
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



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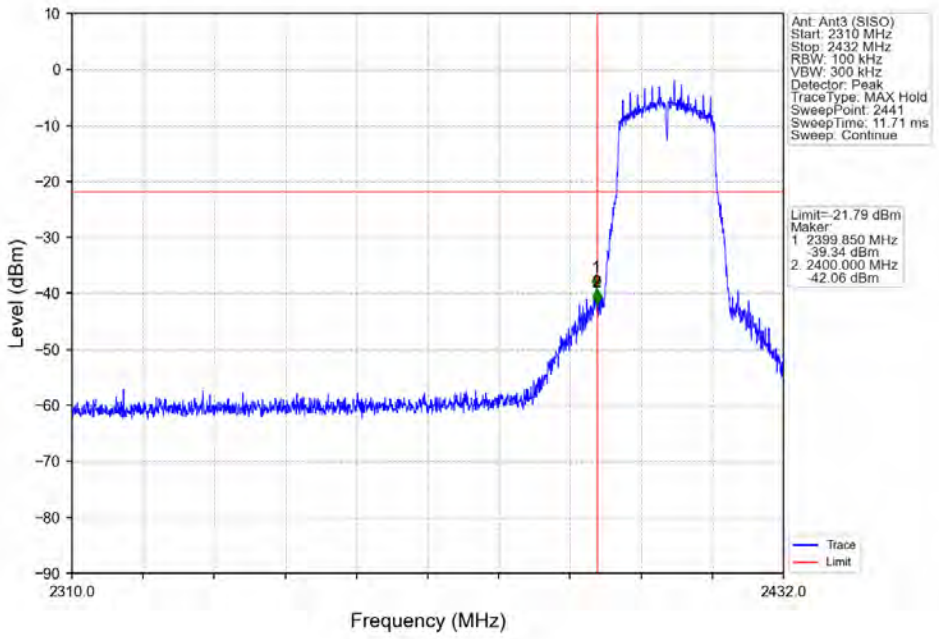
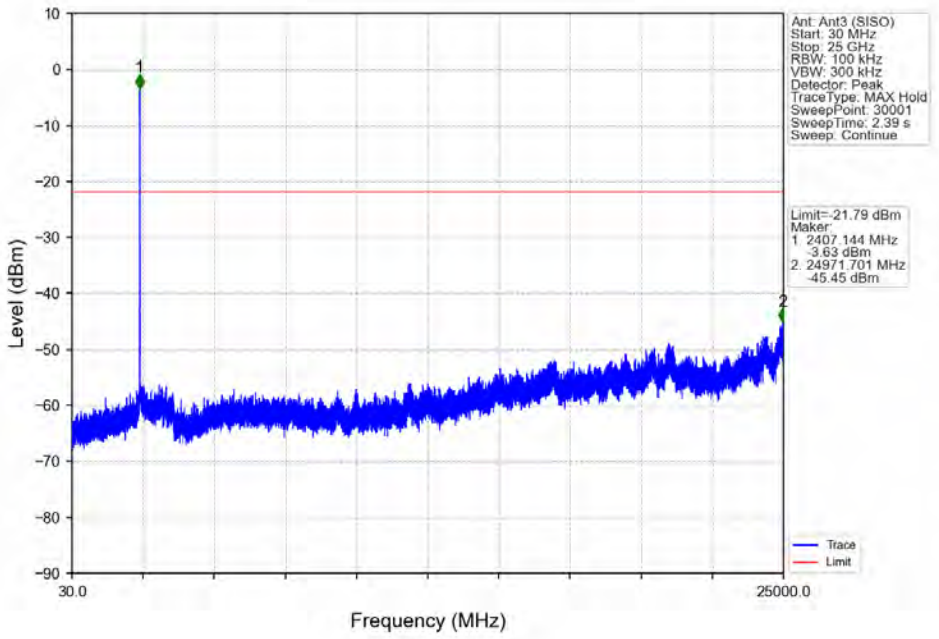
802.11g_LCH_2412MHz_Ant3 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant3 (SISO)_NTNV



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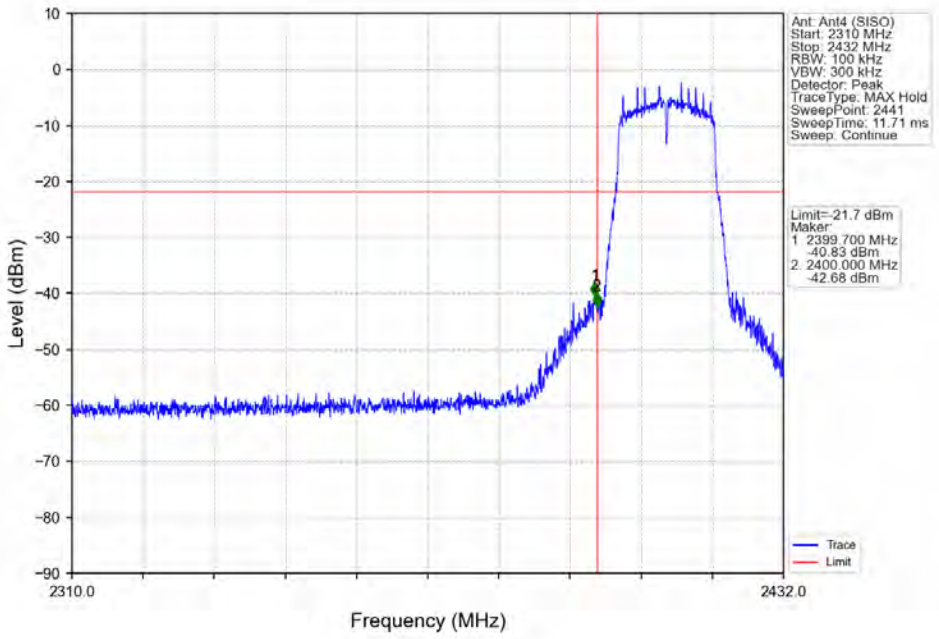
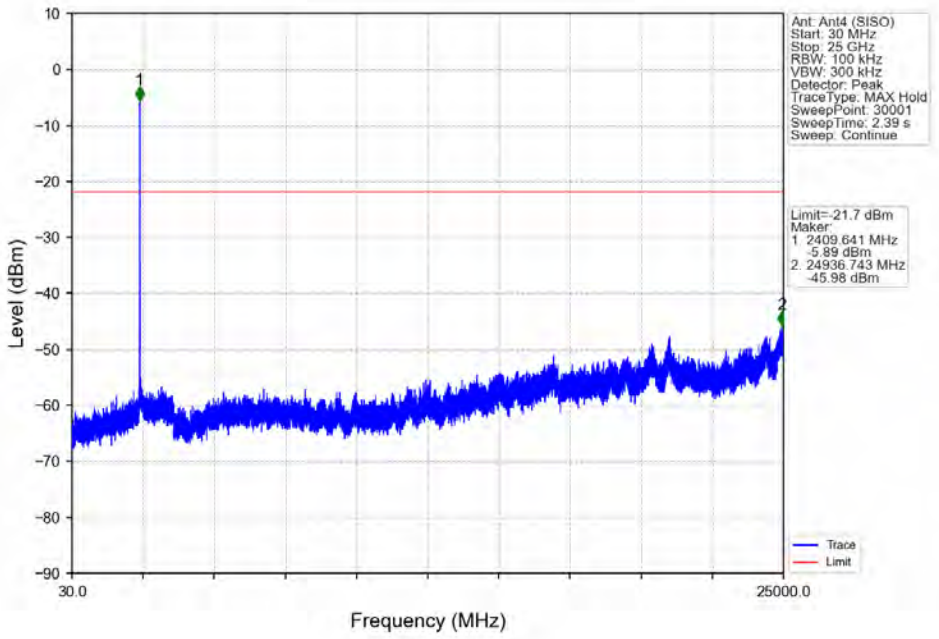
802.11g_LCH_2412MHz_Ant4 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant4 (SISO)_NTNV



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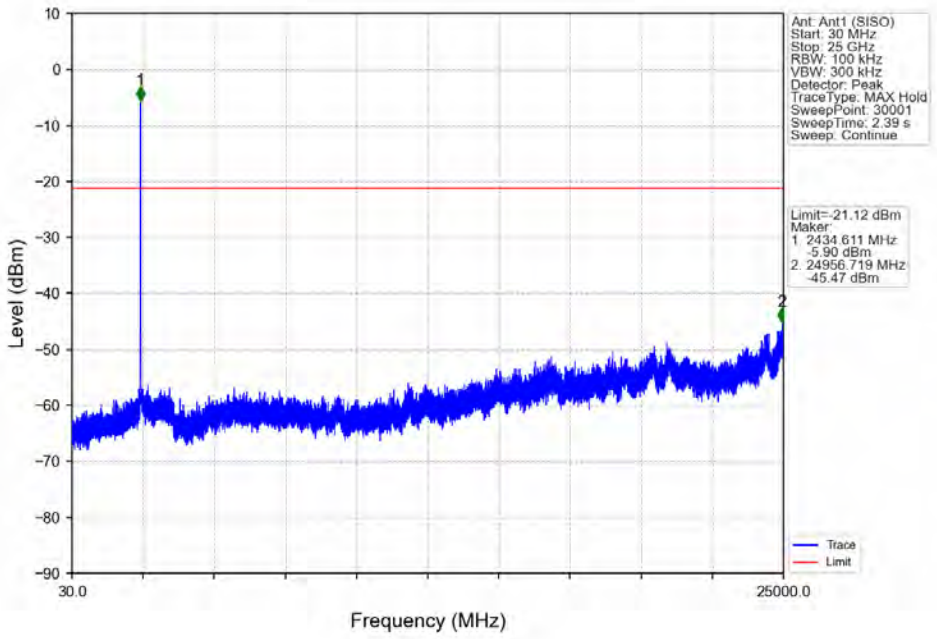
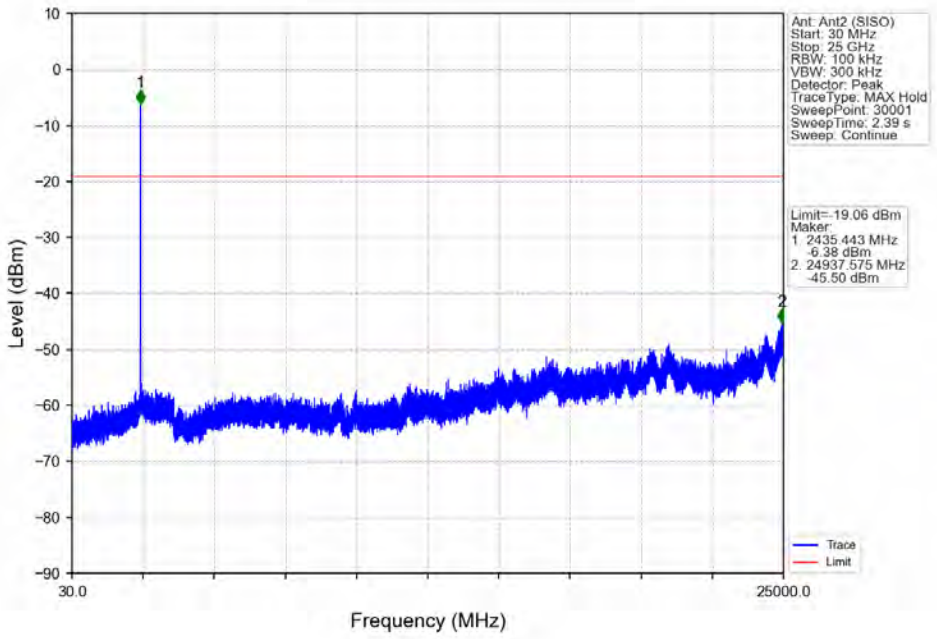
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



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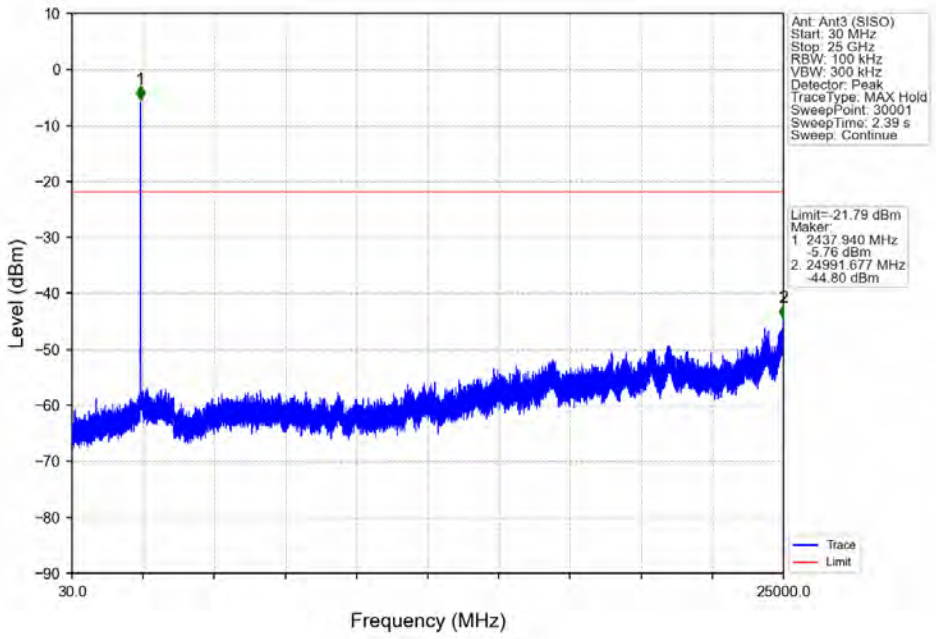
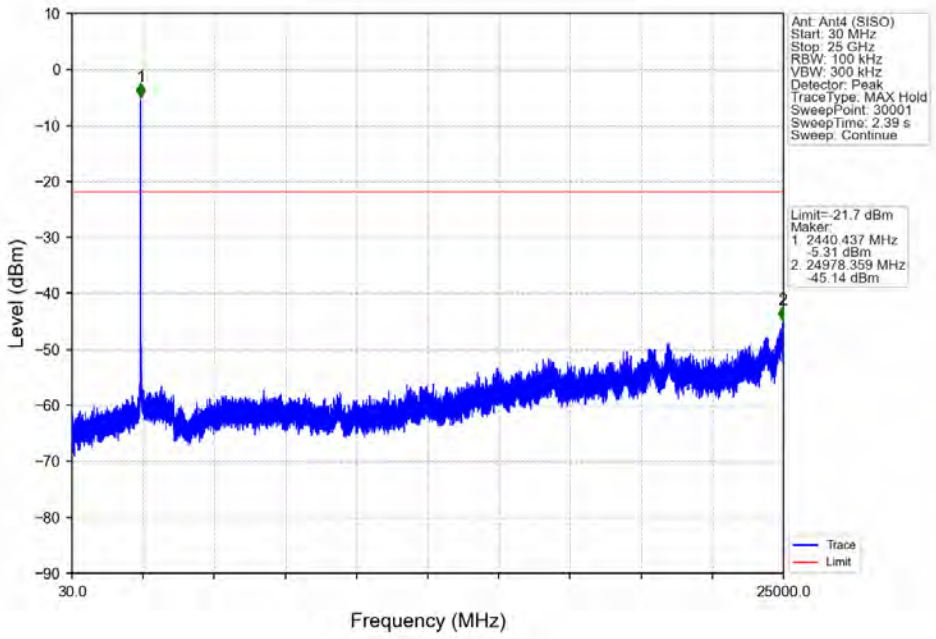
802.11g_MCH_2437MHz_Ant3 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant4 (SISO)_NTNV



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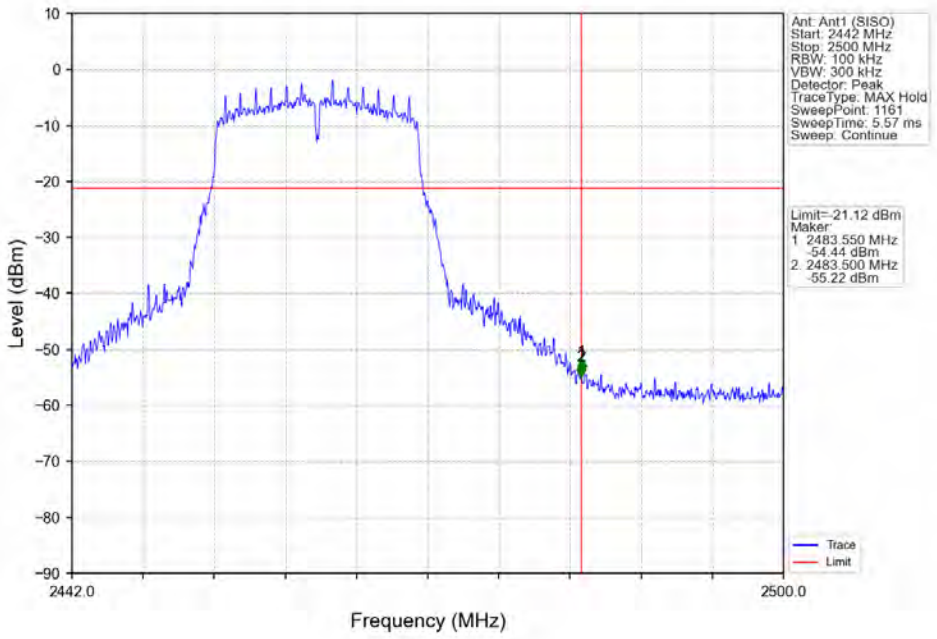
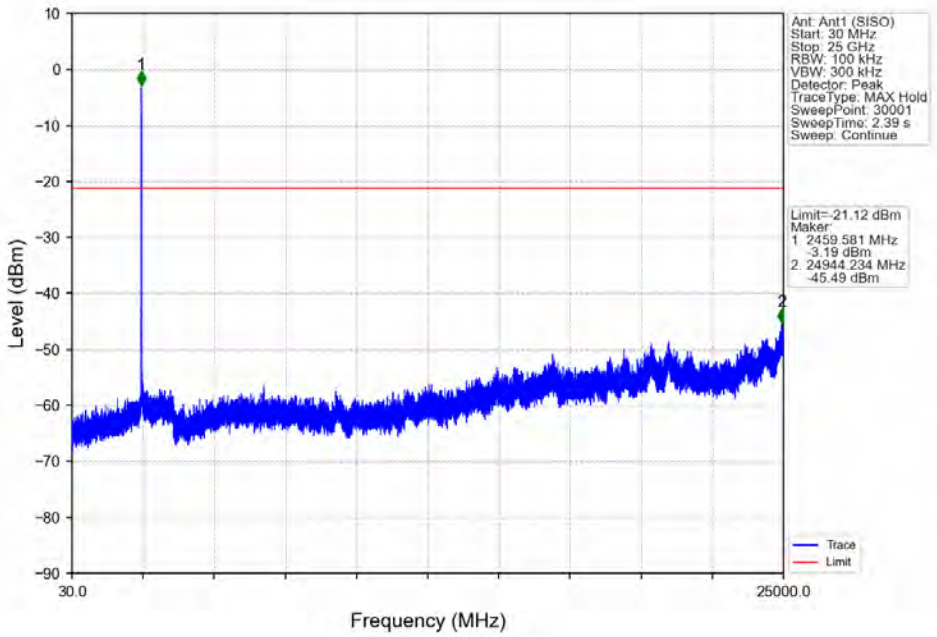
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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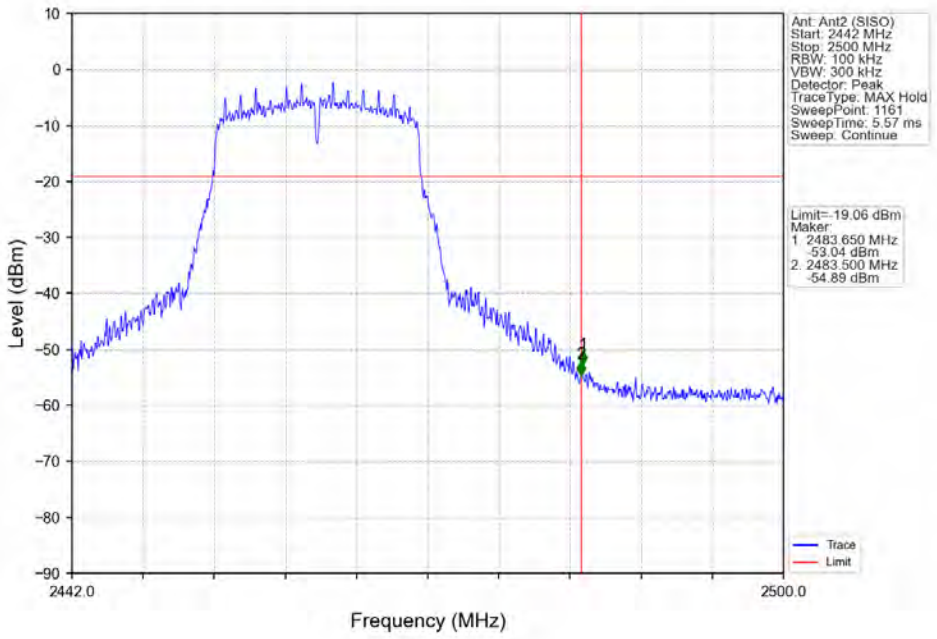
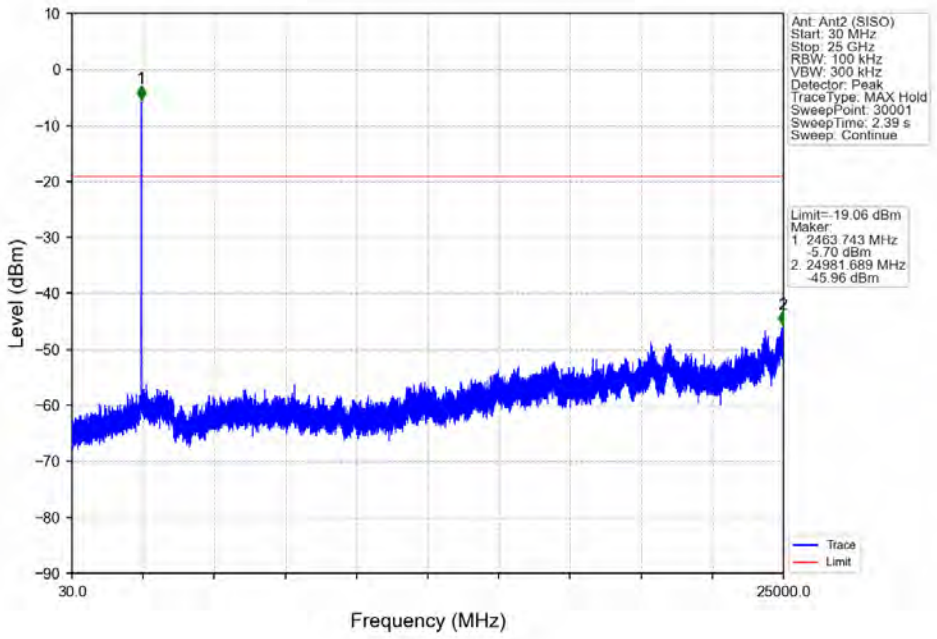
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



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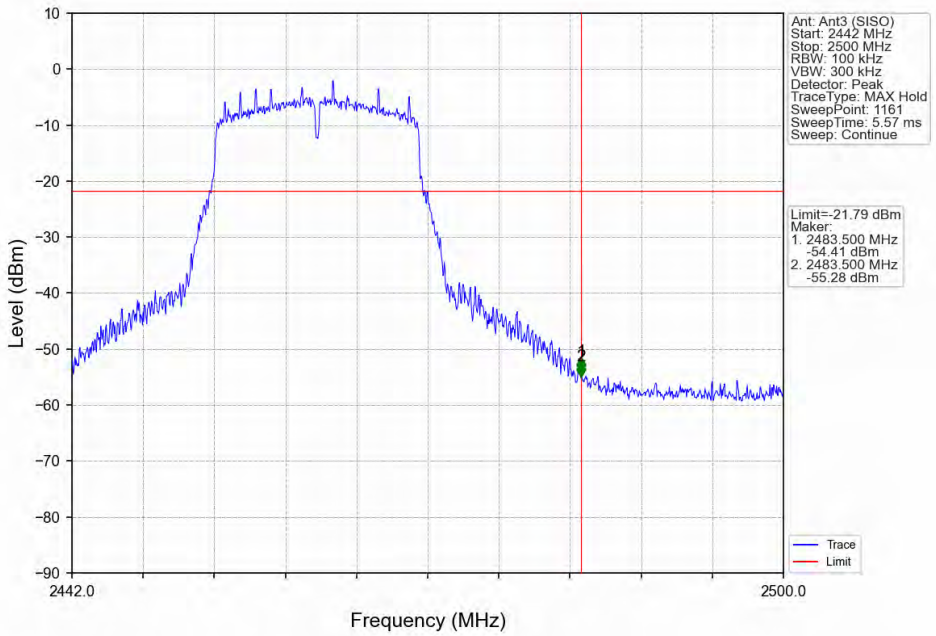
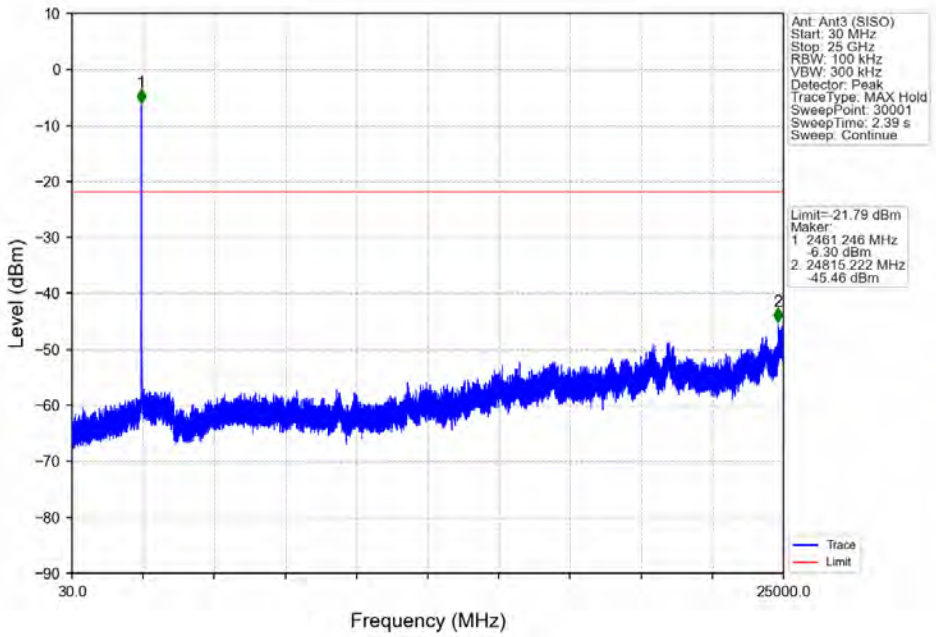
802.11g_HCH_2462MHz_Ant3 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant3 (SISO)_NTNV



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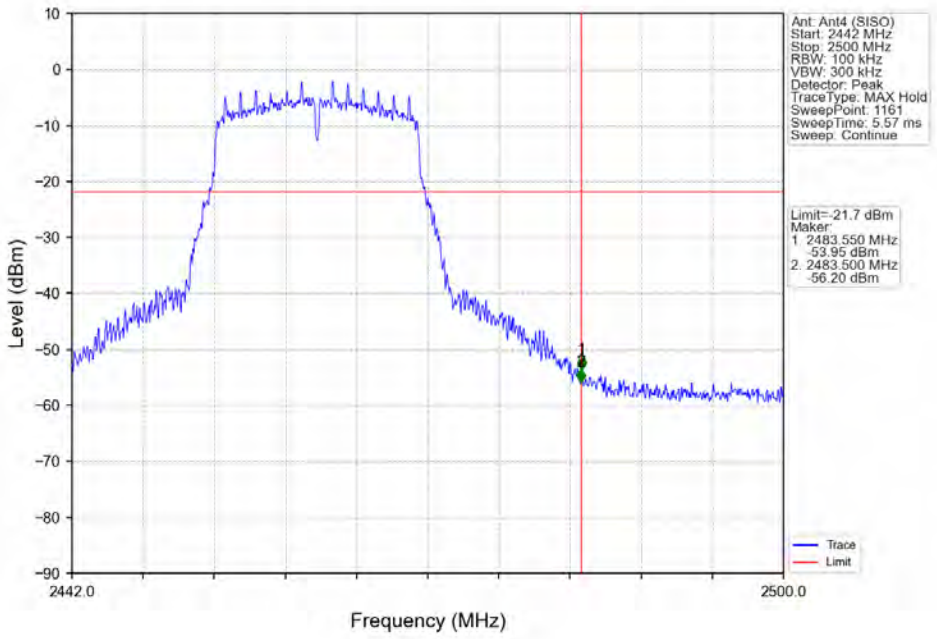
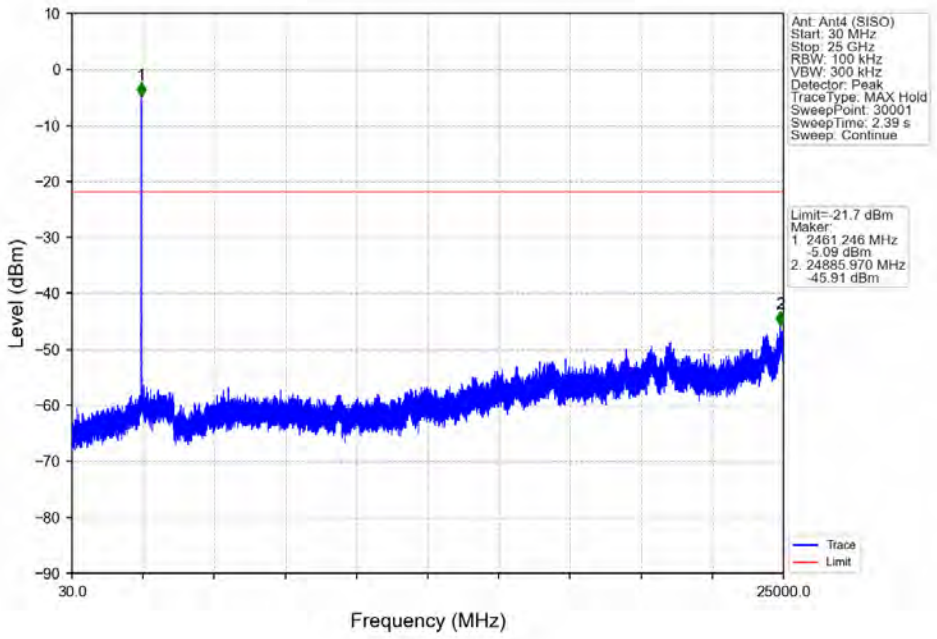
802.11g_HCH_2462MHz_Ant4 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant4 (SISO)_NTNV



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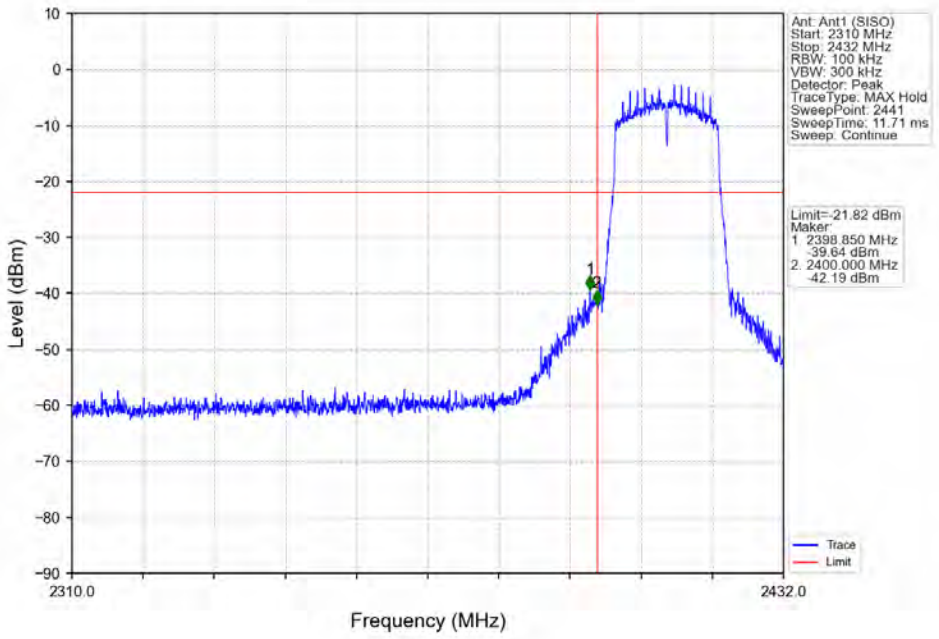
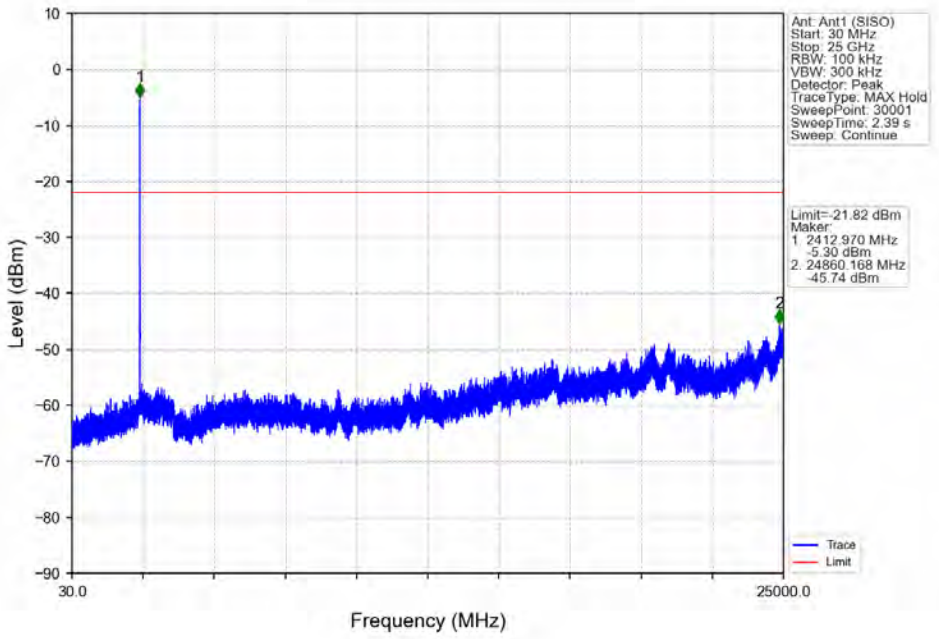
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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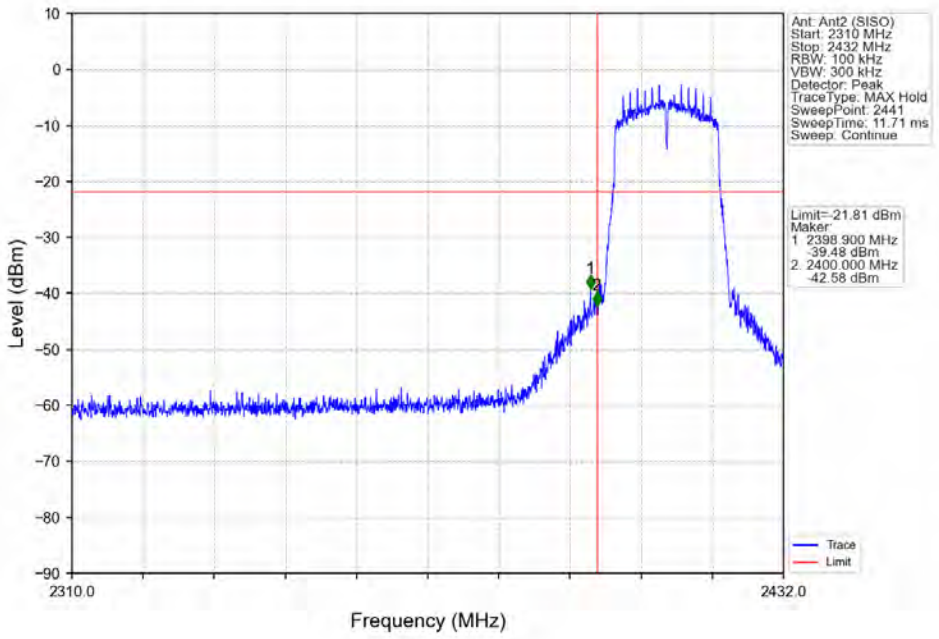
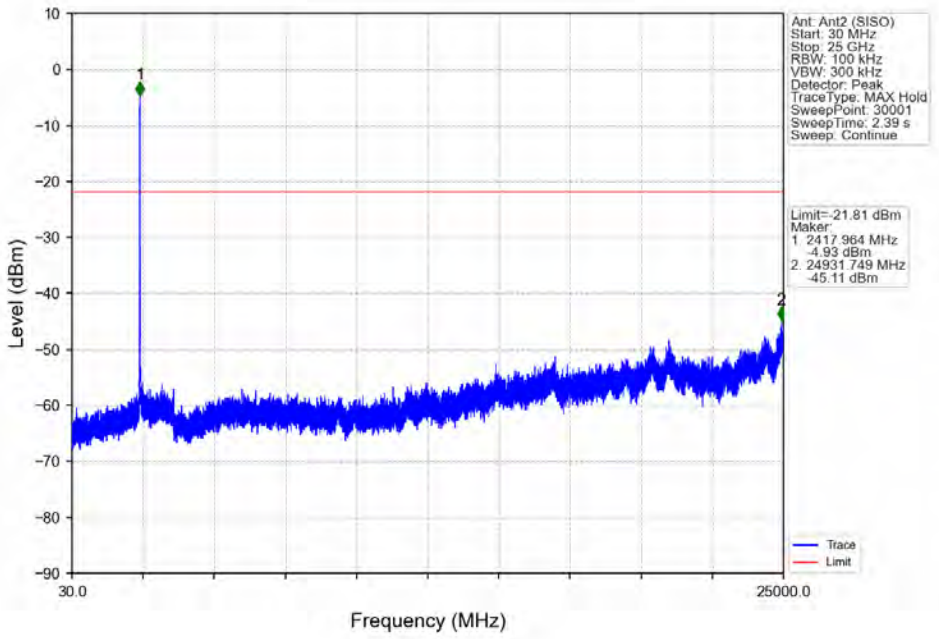
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



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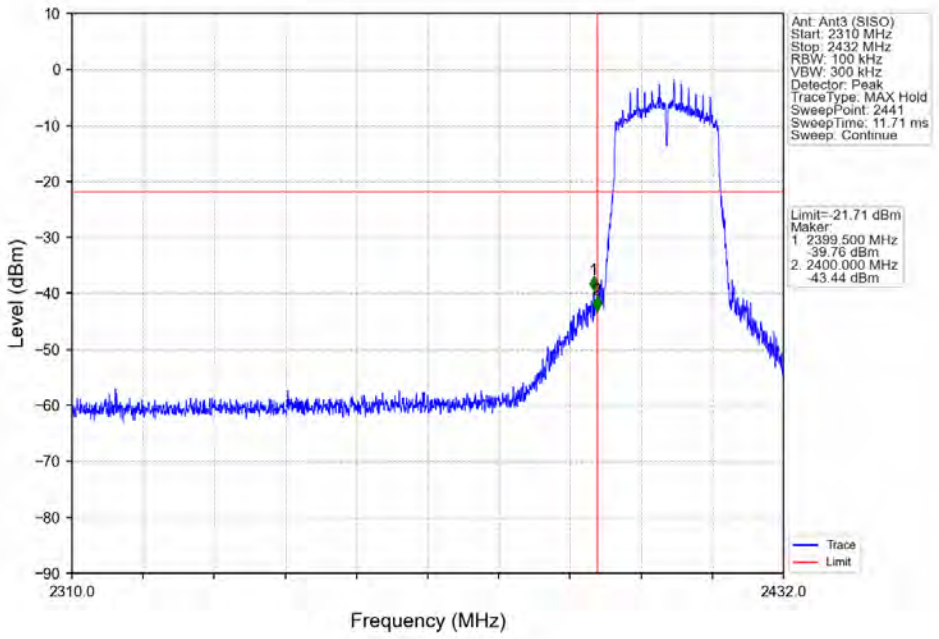
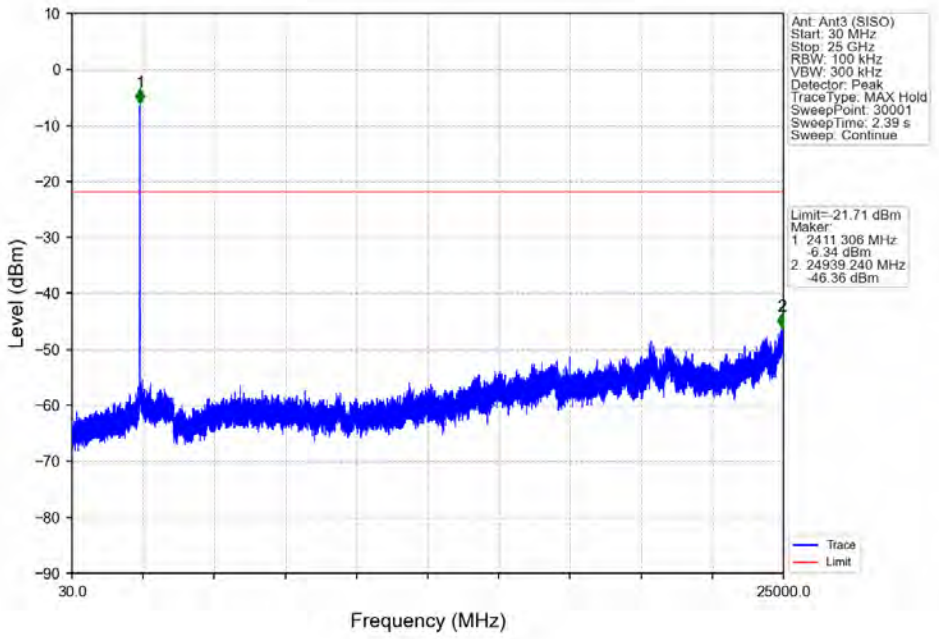
802.11n(HT20)_LCH_2412MHz_Ant3 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant3 (SISO)_NTNV



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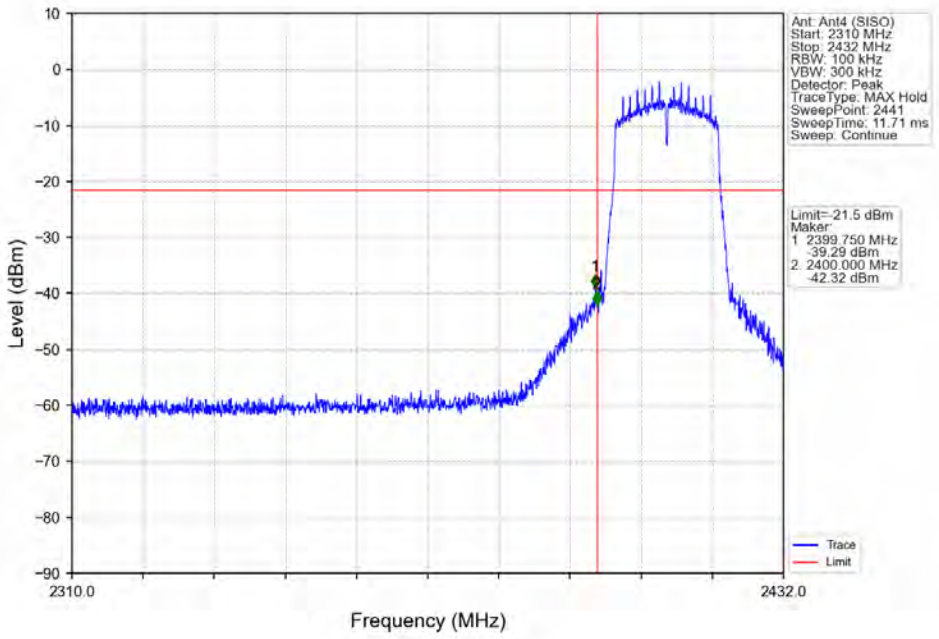
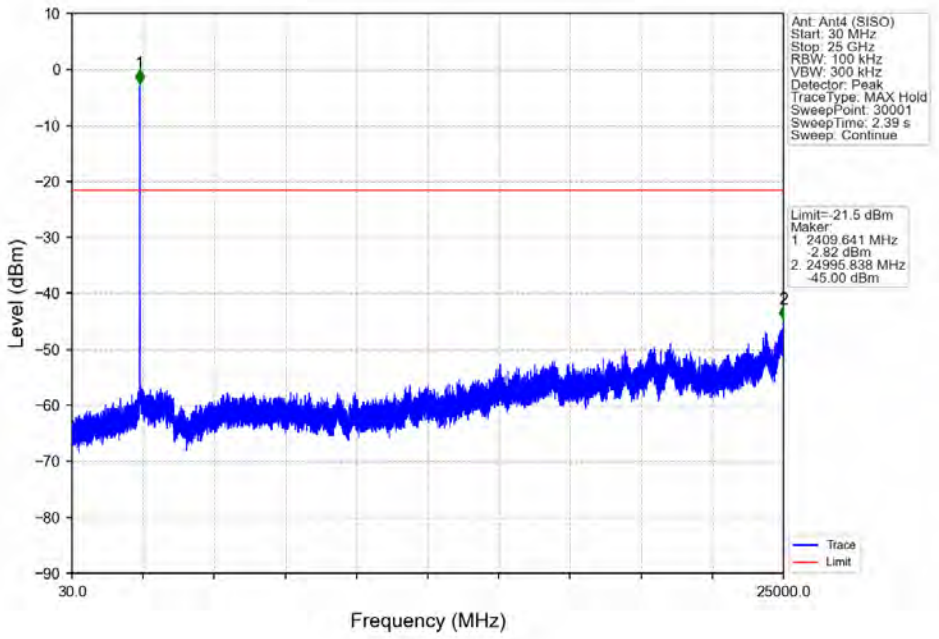
802.11n(HT20)_LCH_2412MHz_Ant4 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant4 (SISO)_NTNV



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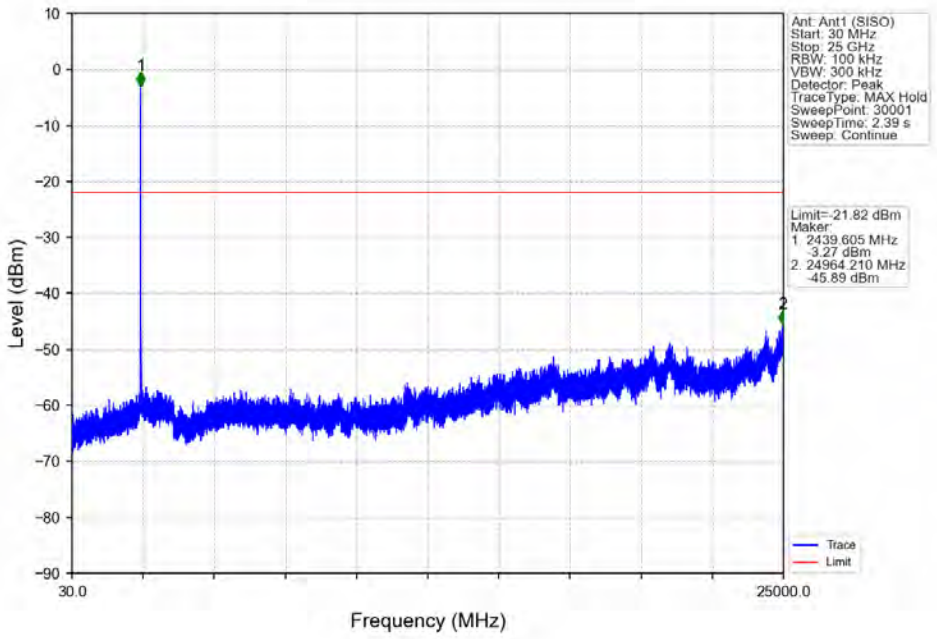
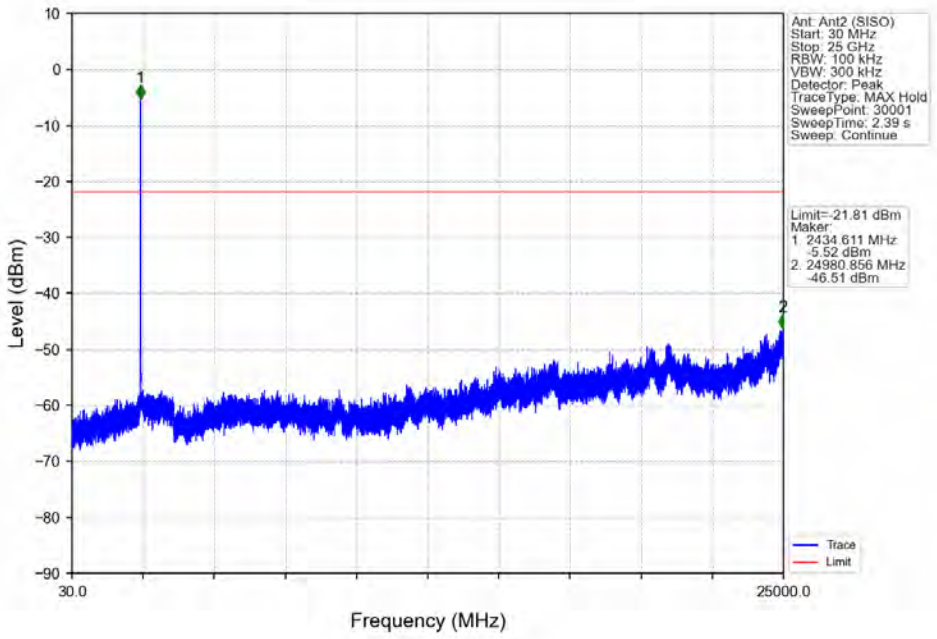
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



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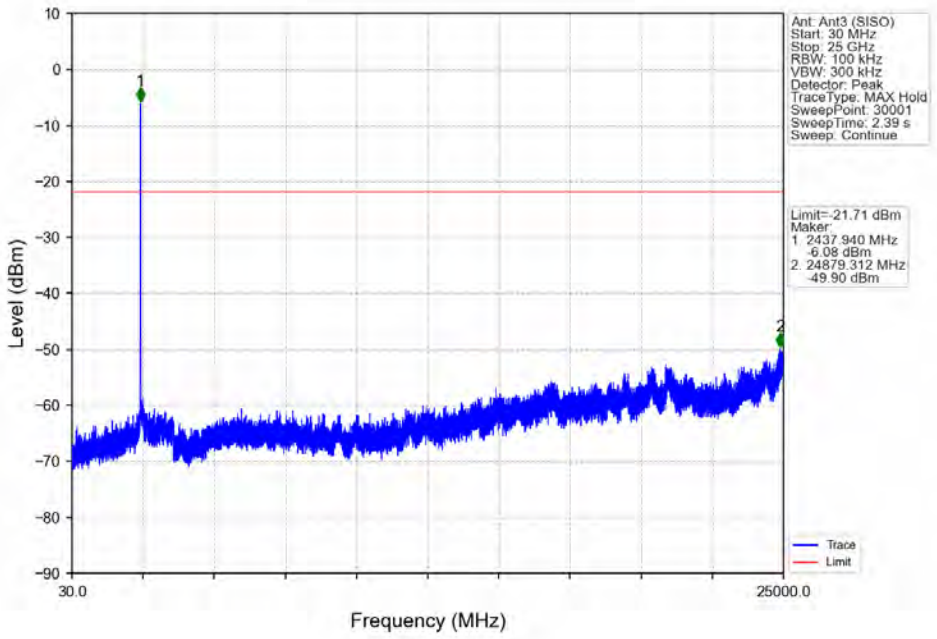
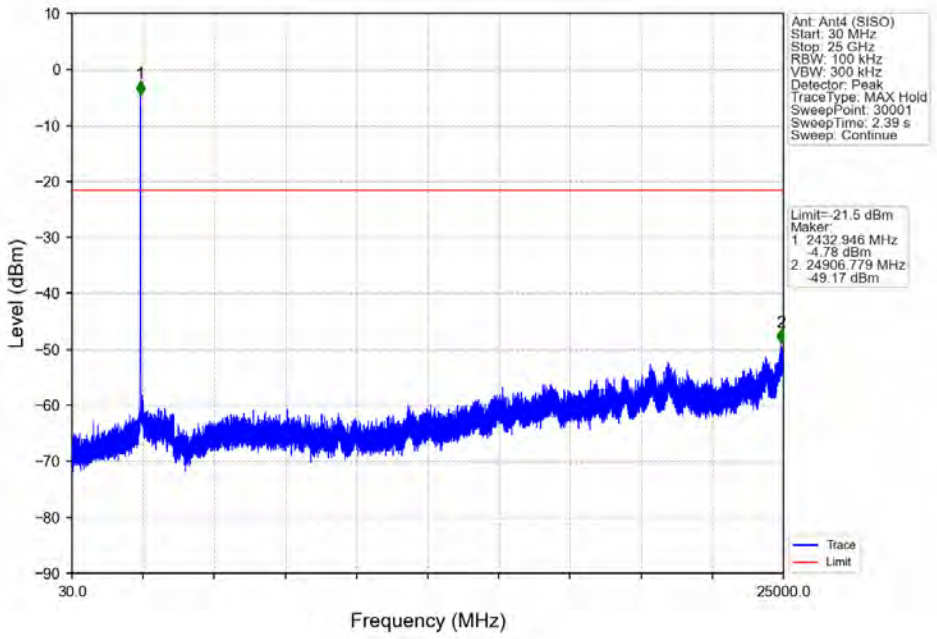
802.11n(HT20)_MCH_2437MHz_Ant3 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant4 (SISO)_NTNV



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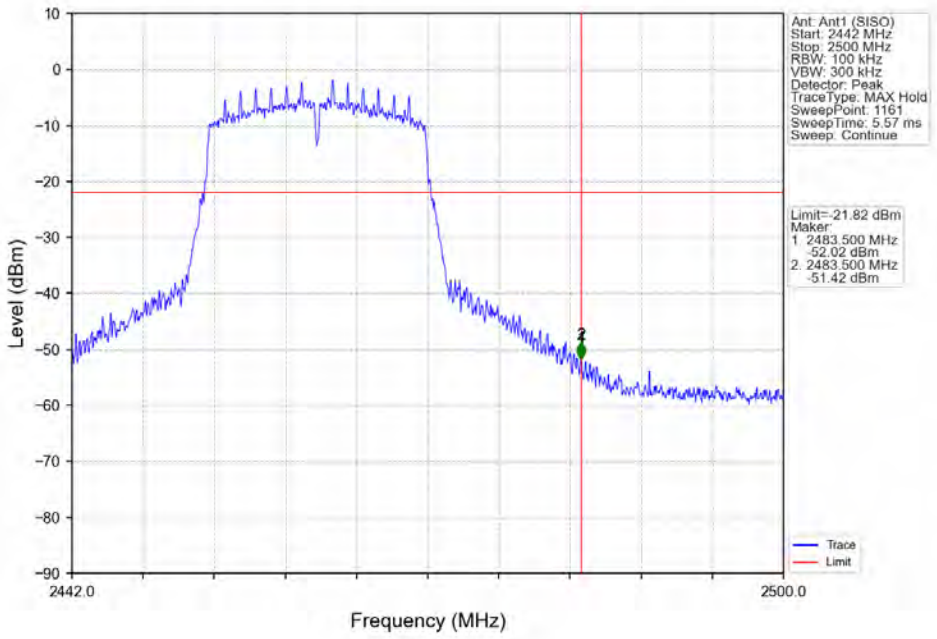
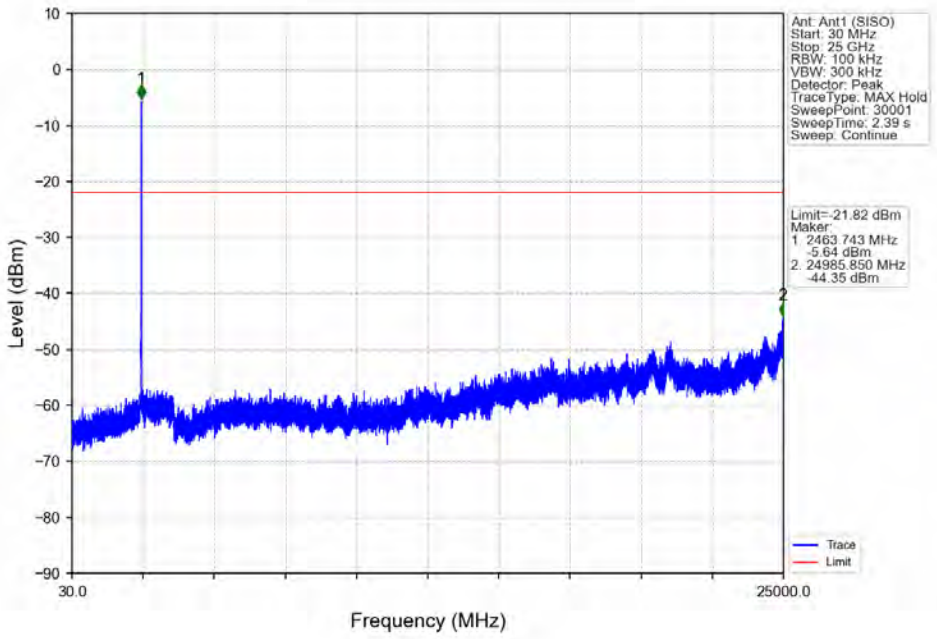
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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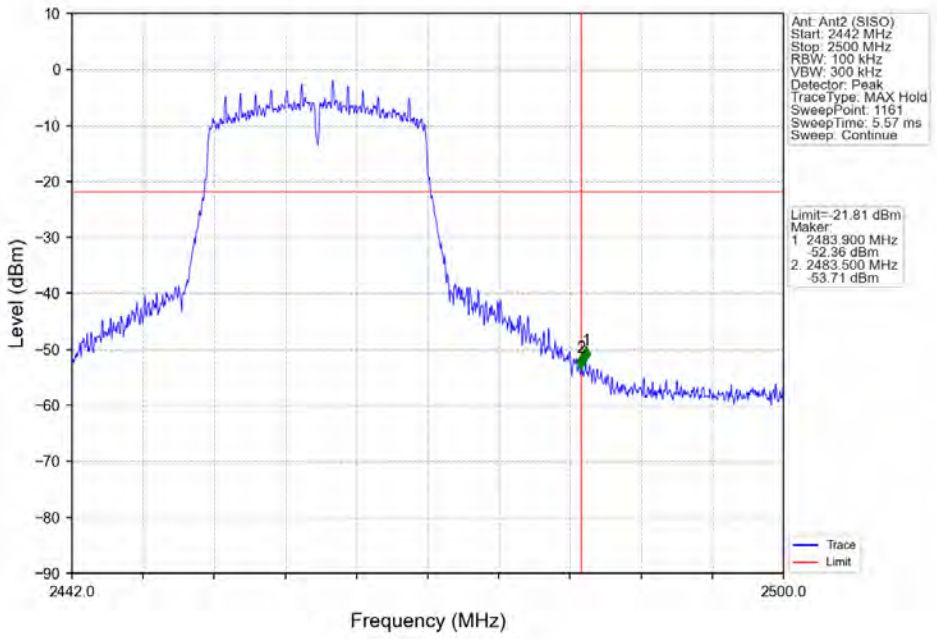
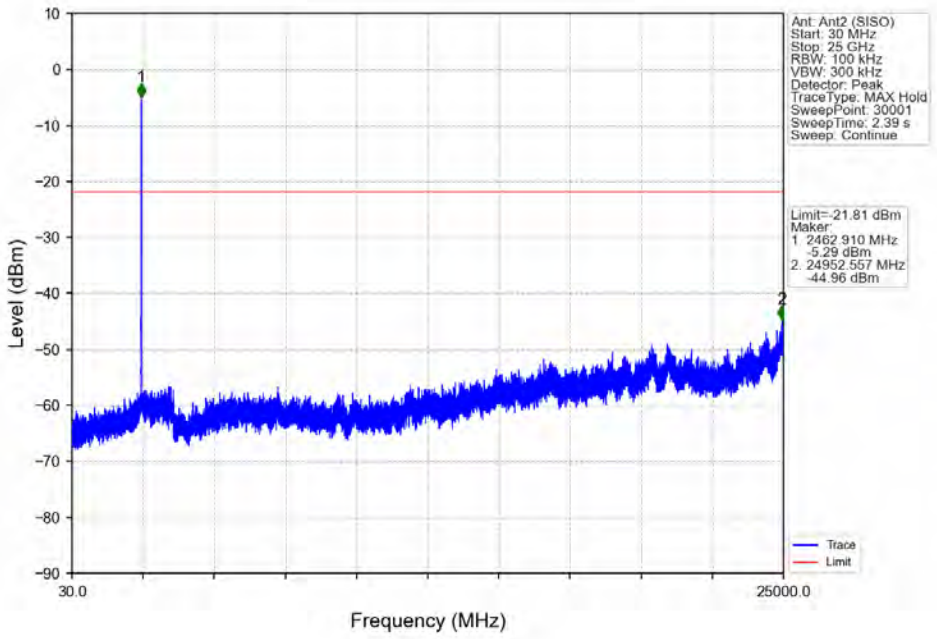
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



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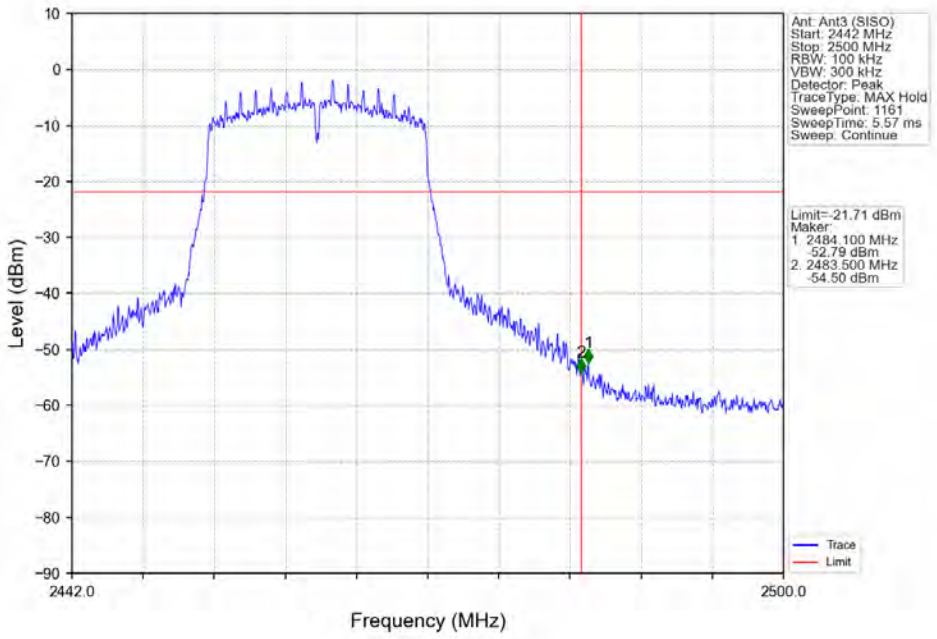
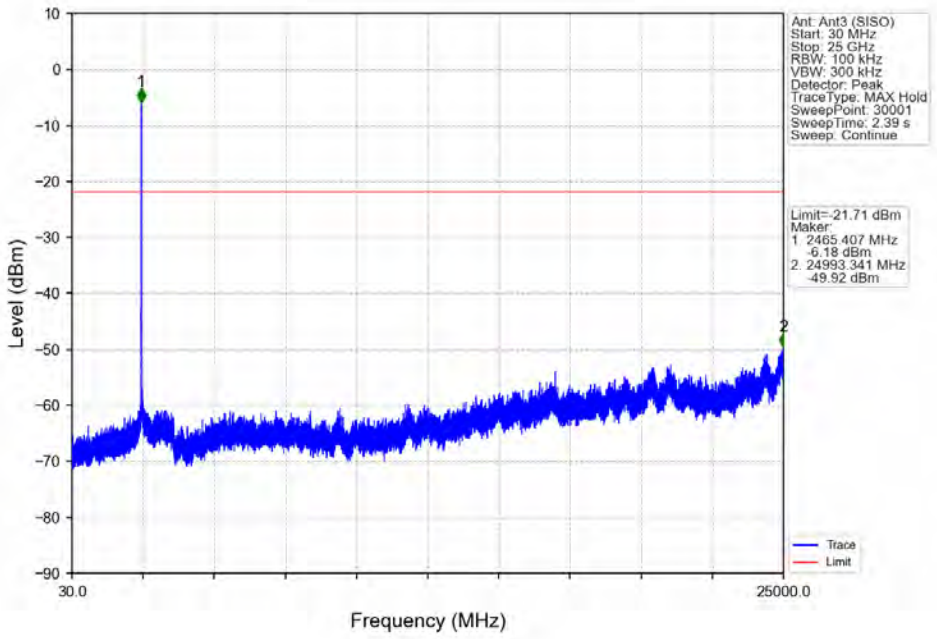
802.11n(HT20)_HCH_2462MHz_Ant3 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant3 (SISO)_NTNV



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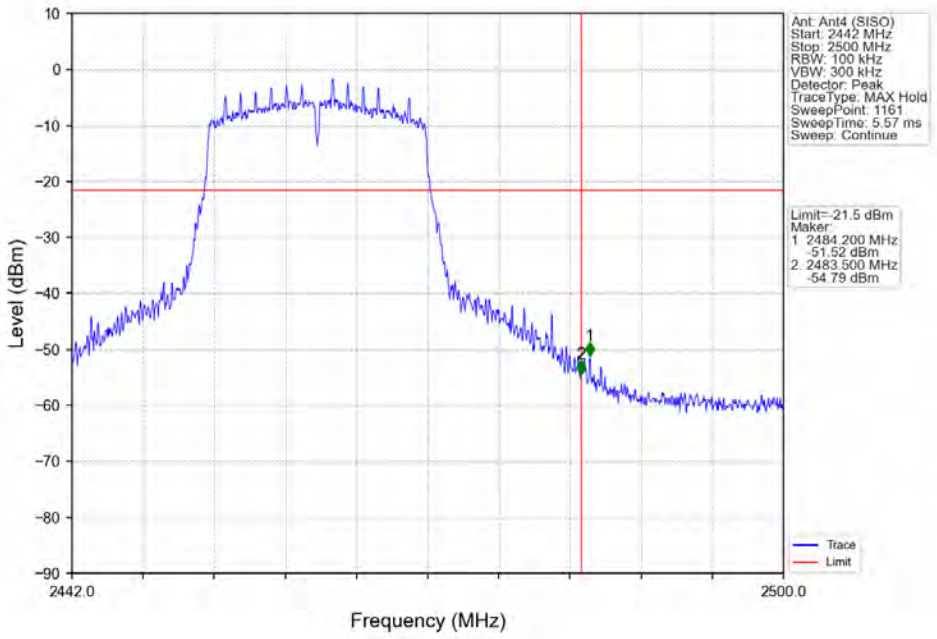
802.11n(HT20)_HCH_2462MHz_Ant4 (SISO)_NTNV



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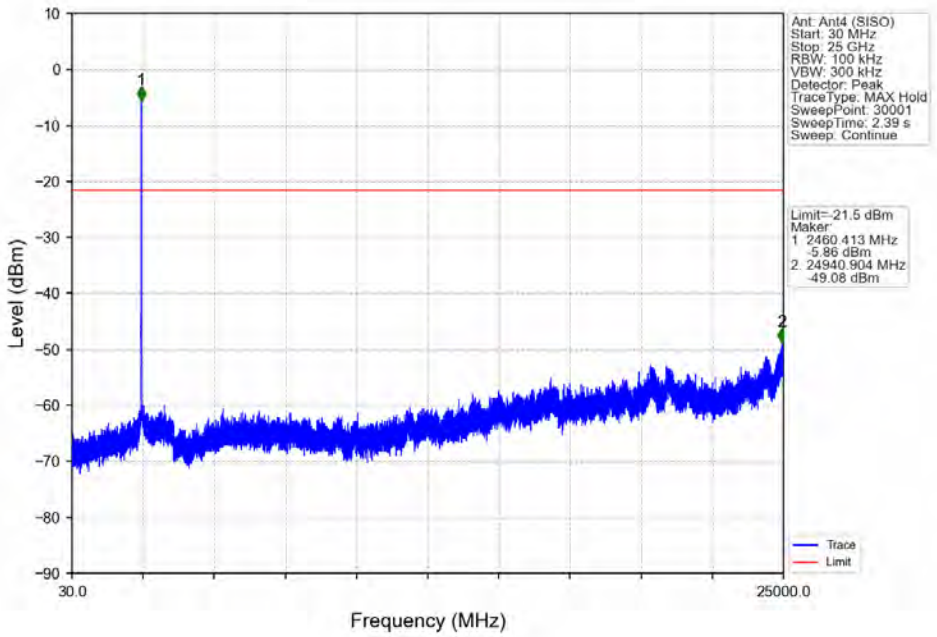

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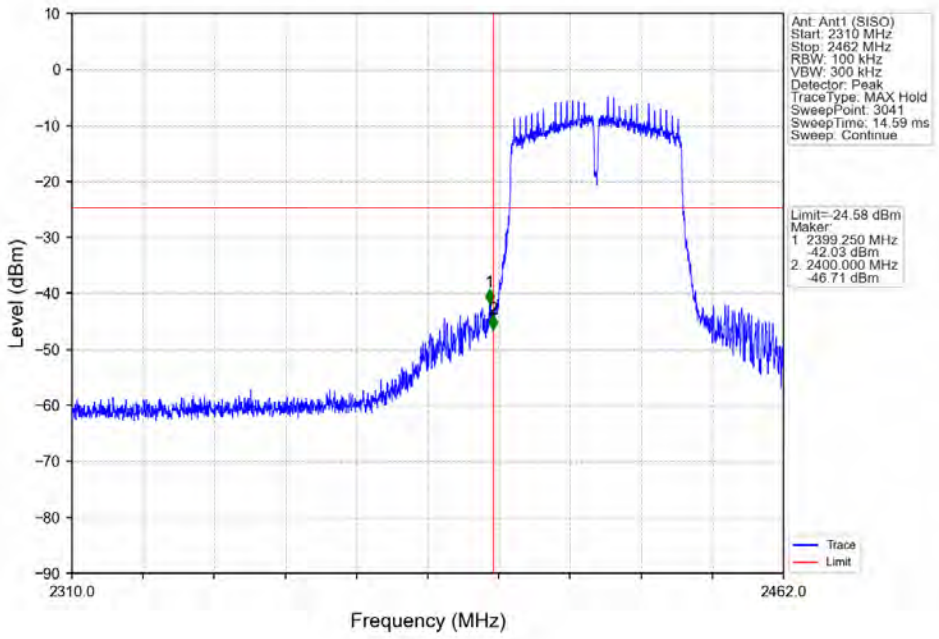
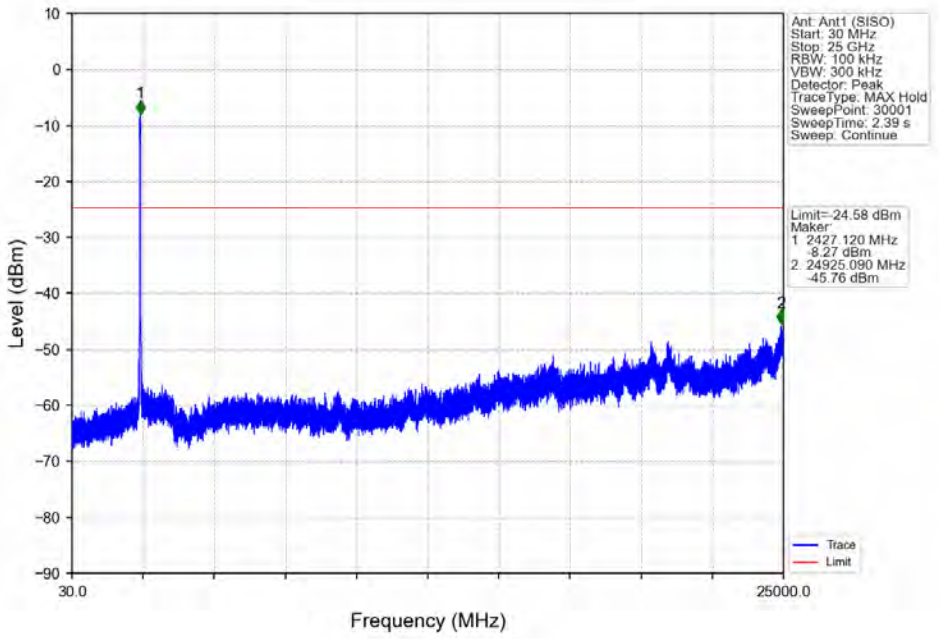
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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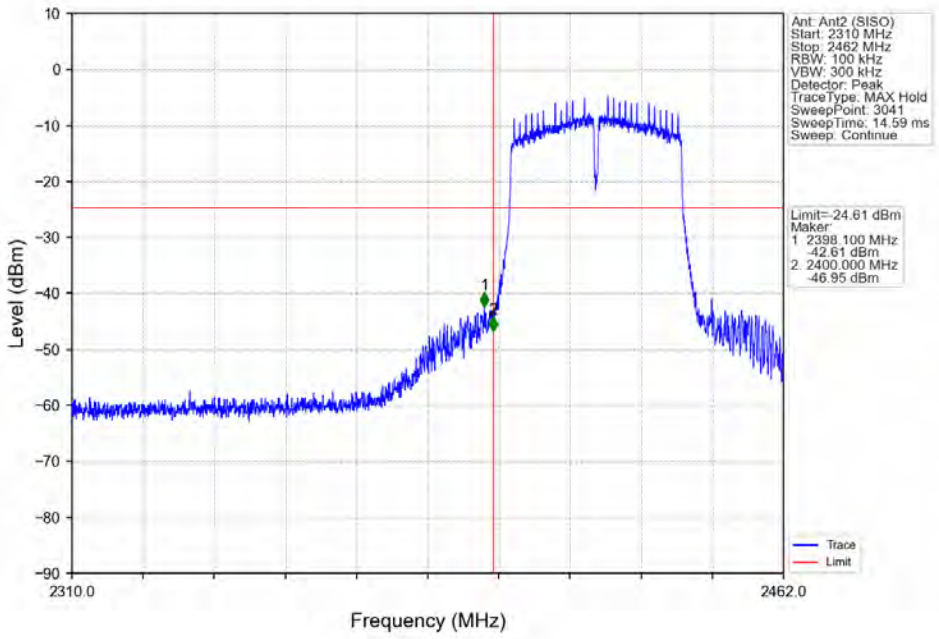
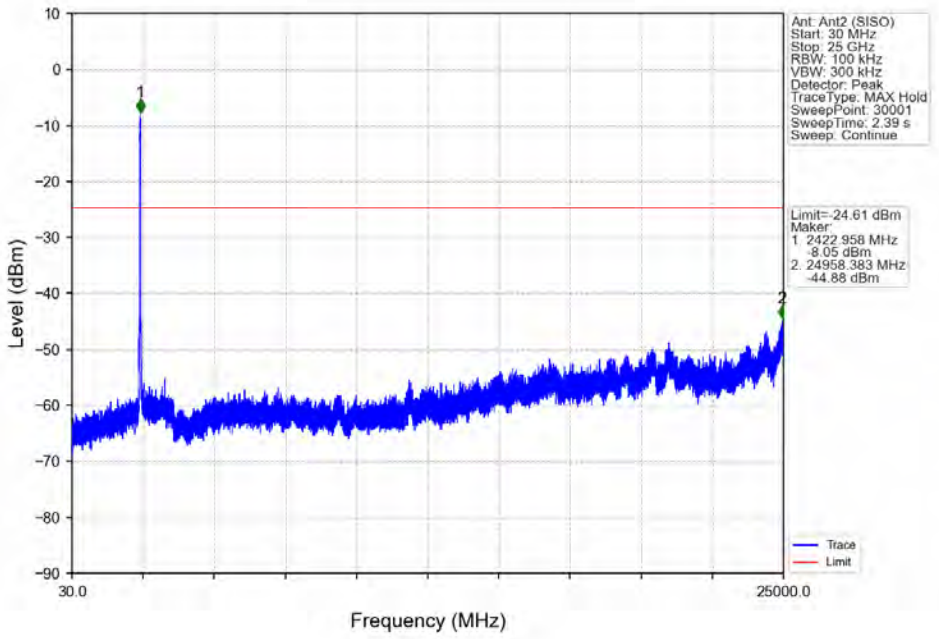
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



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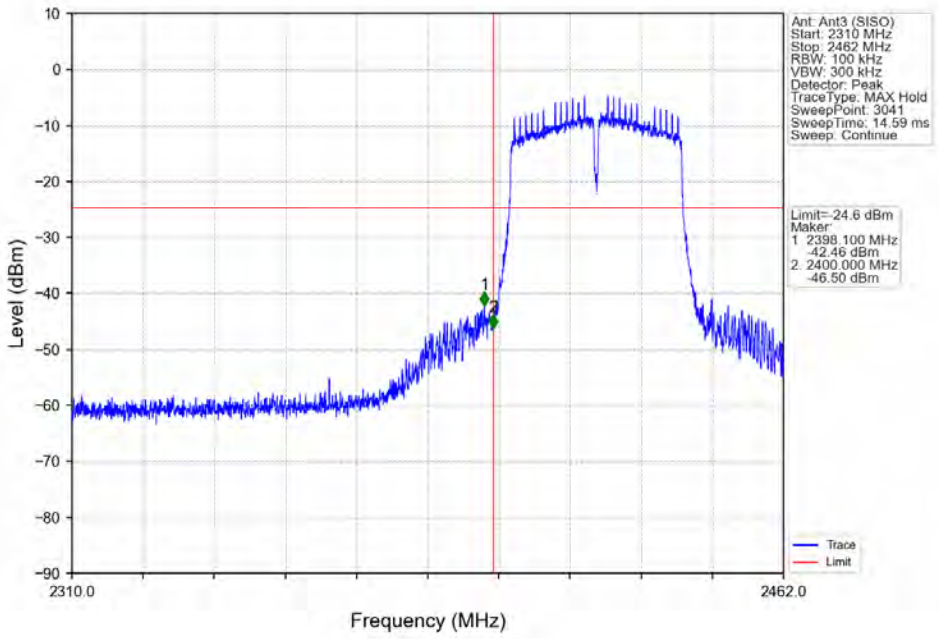
802.11n(HT40)_LCH_2422MHz_Ant3 (SISO)_NTNV



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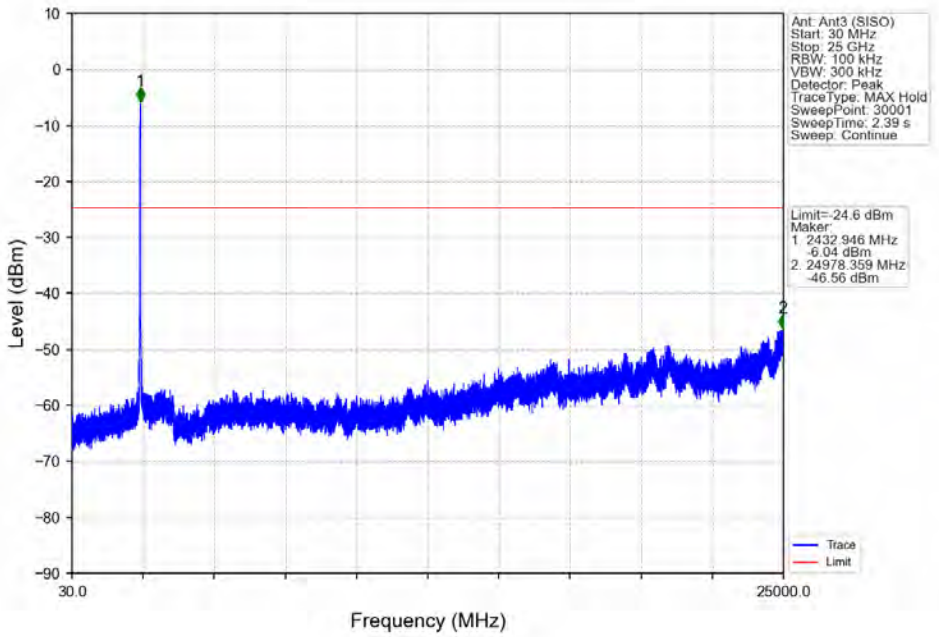

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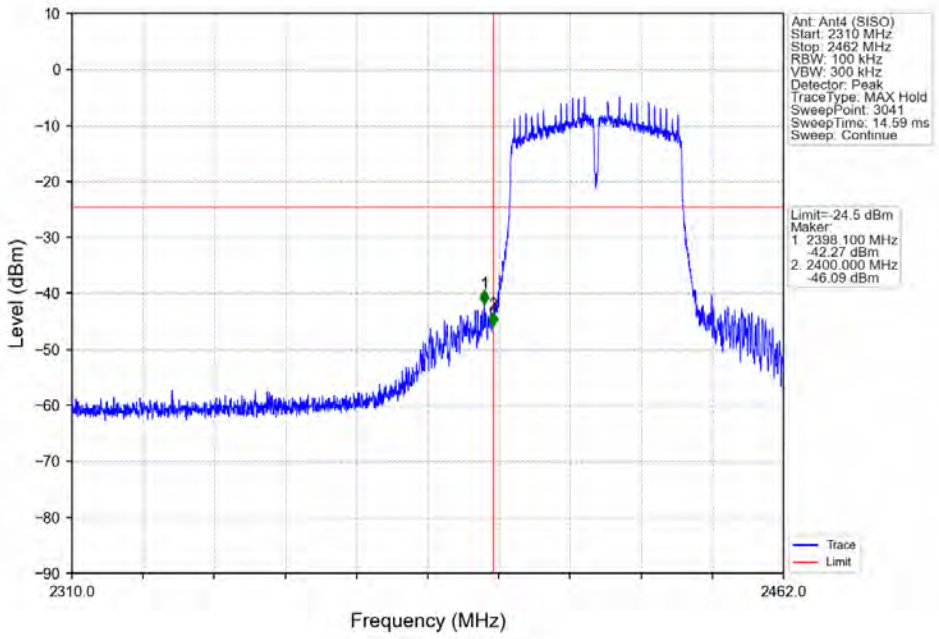
802.11n(HT40)_LCH_2422MHz_Ant4 (SISO)_NTNV



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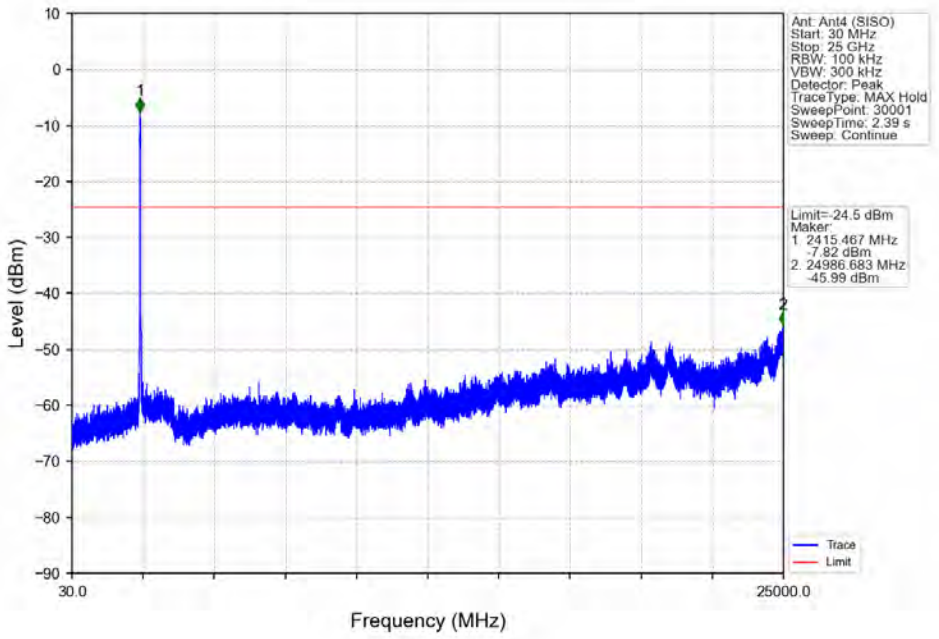

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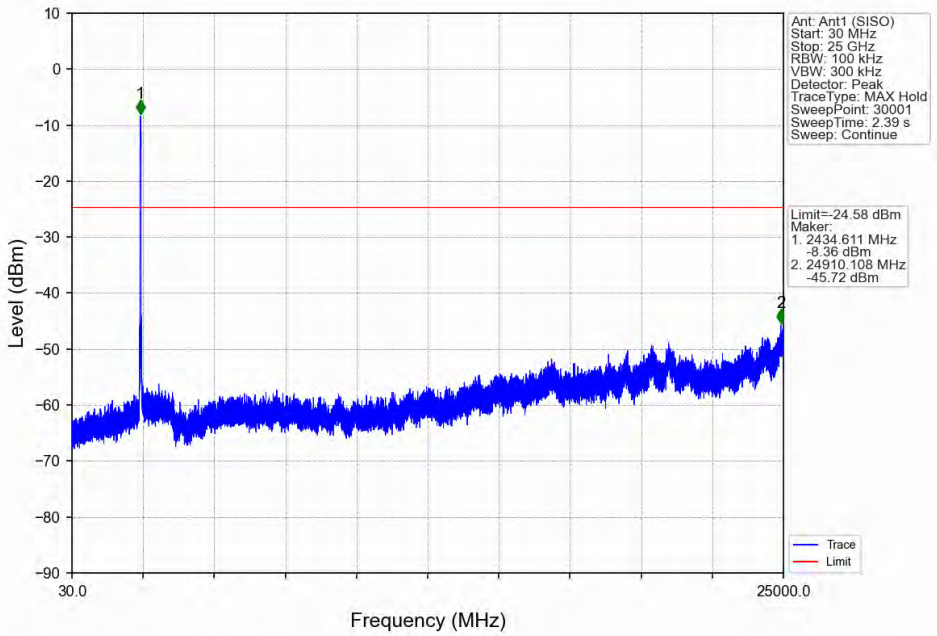
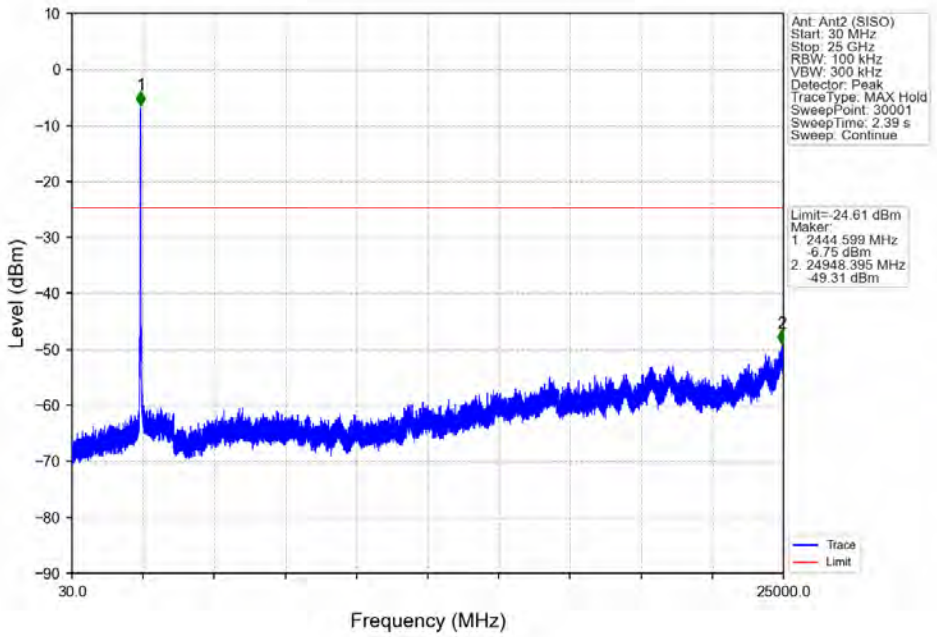
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



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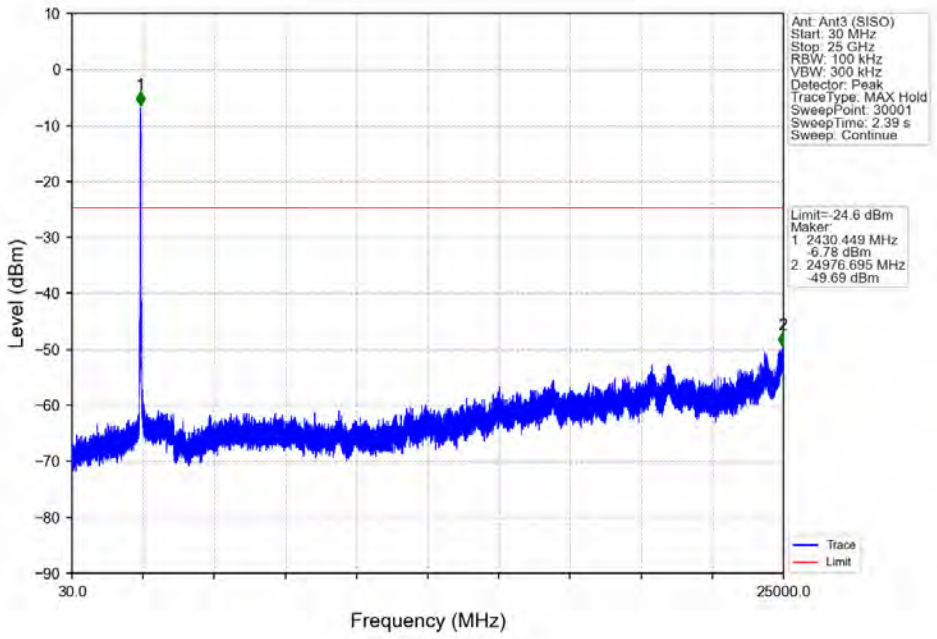
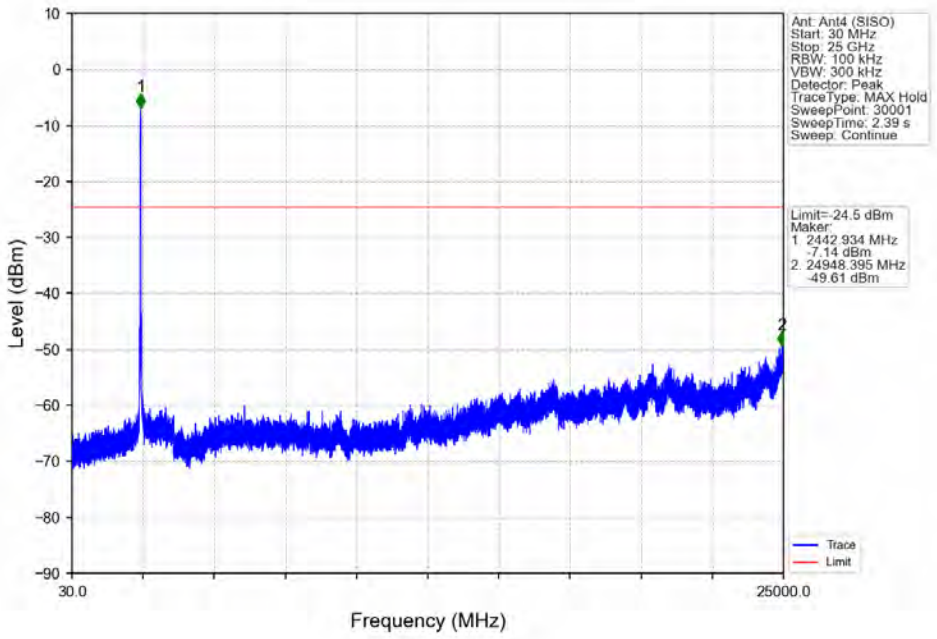
802.11n(HT40)_MCH_2437MHz_Ant3 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant4 (SISO)_NTNV



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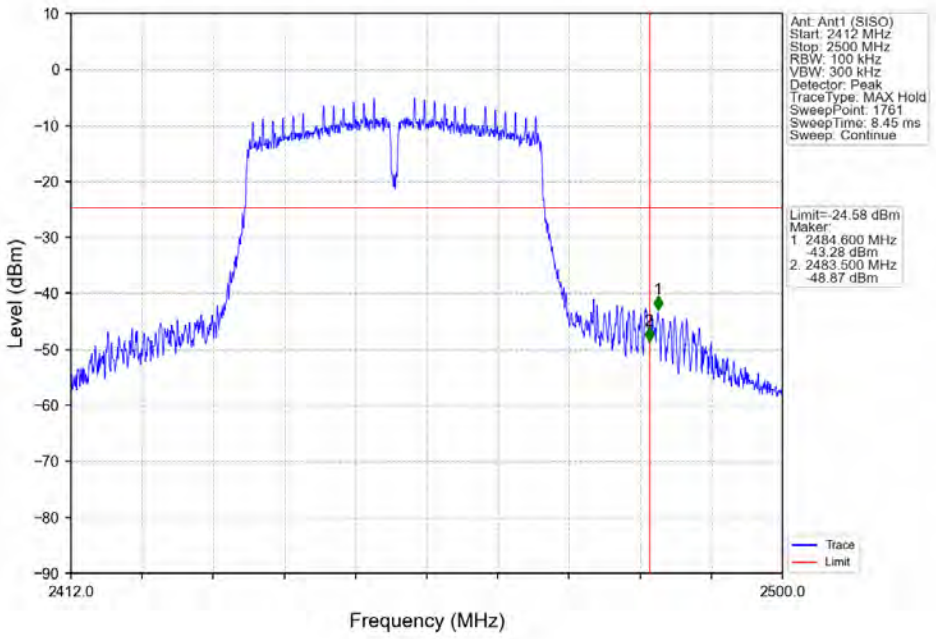
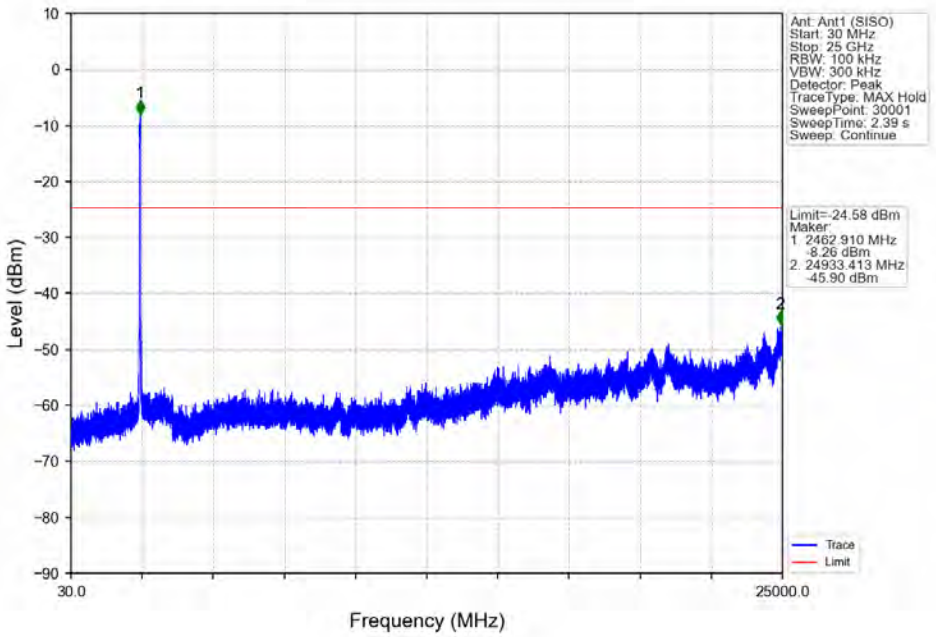
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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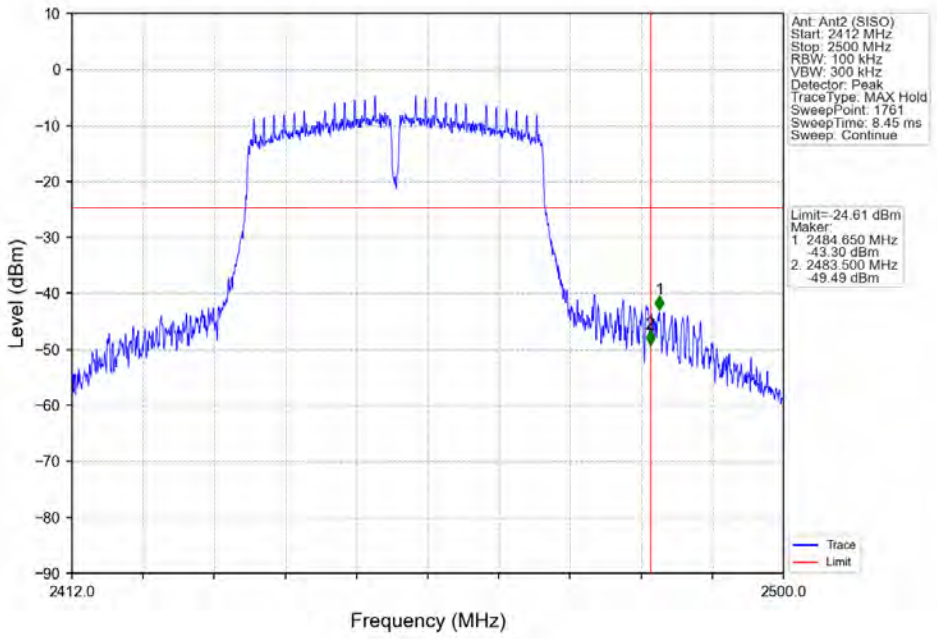
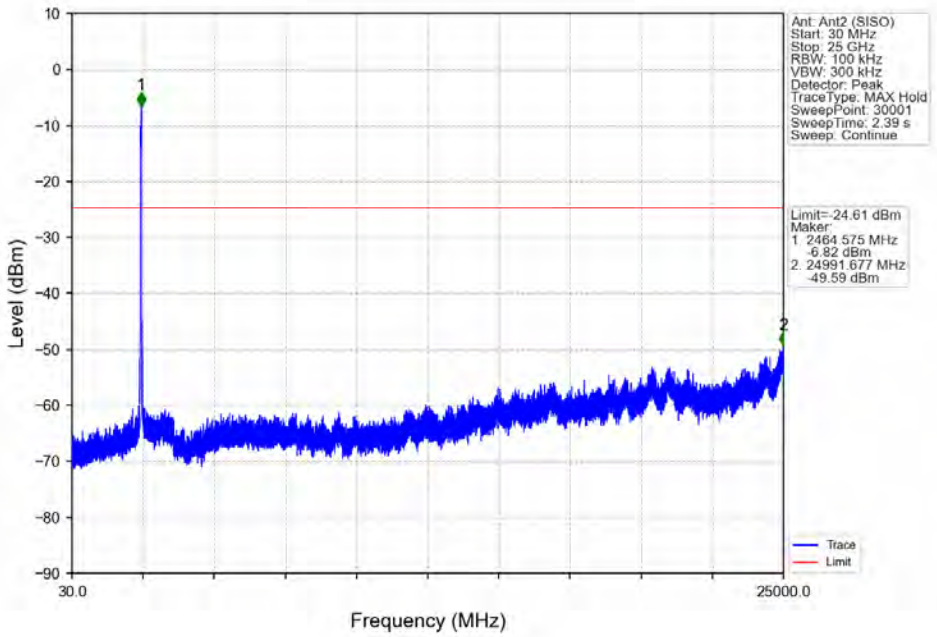
802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



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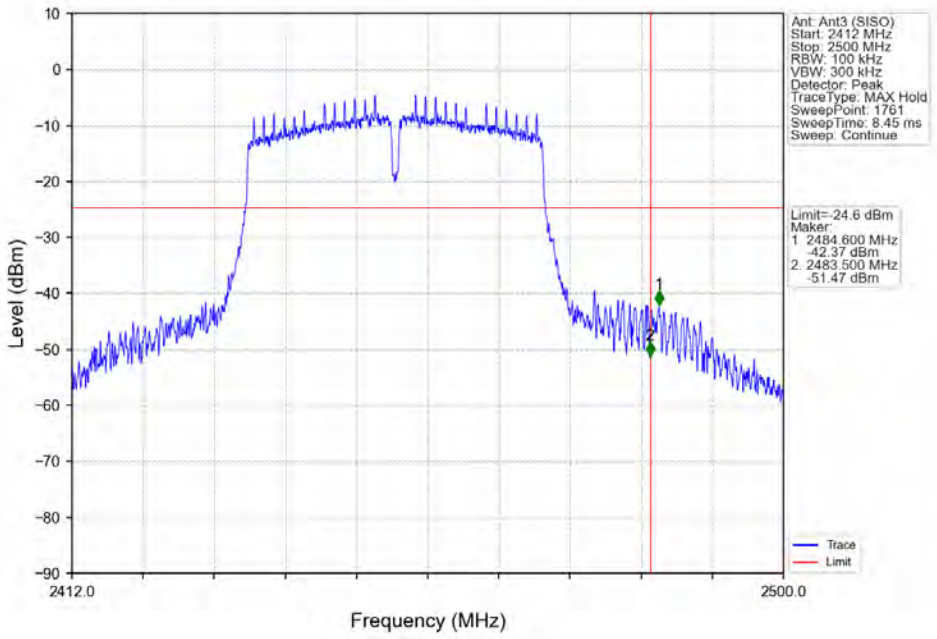
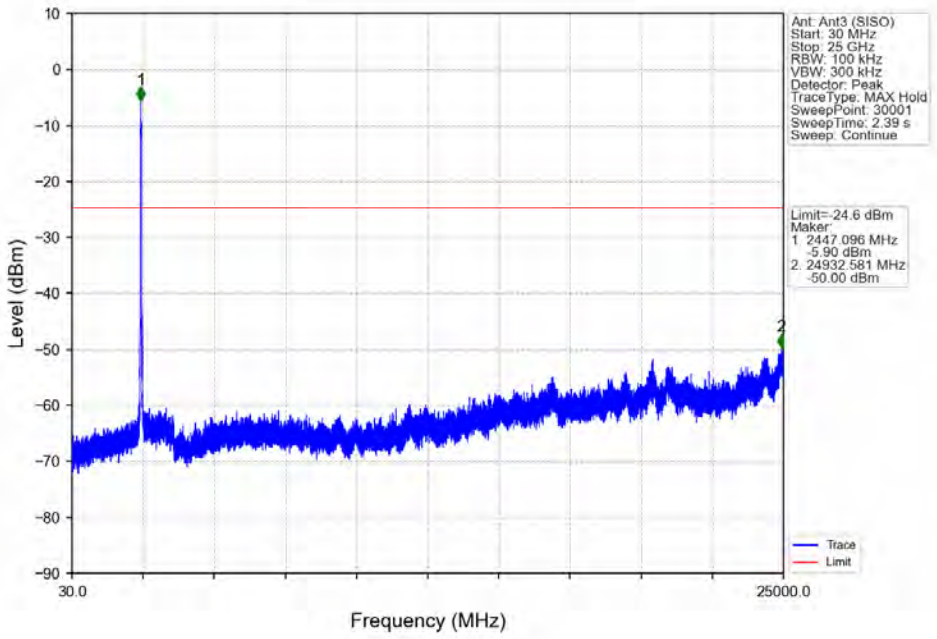
802.11n(HT40)_HCH_2452MHz_Ant3 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant3 (SISO)_NTNV



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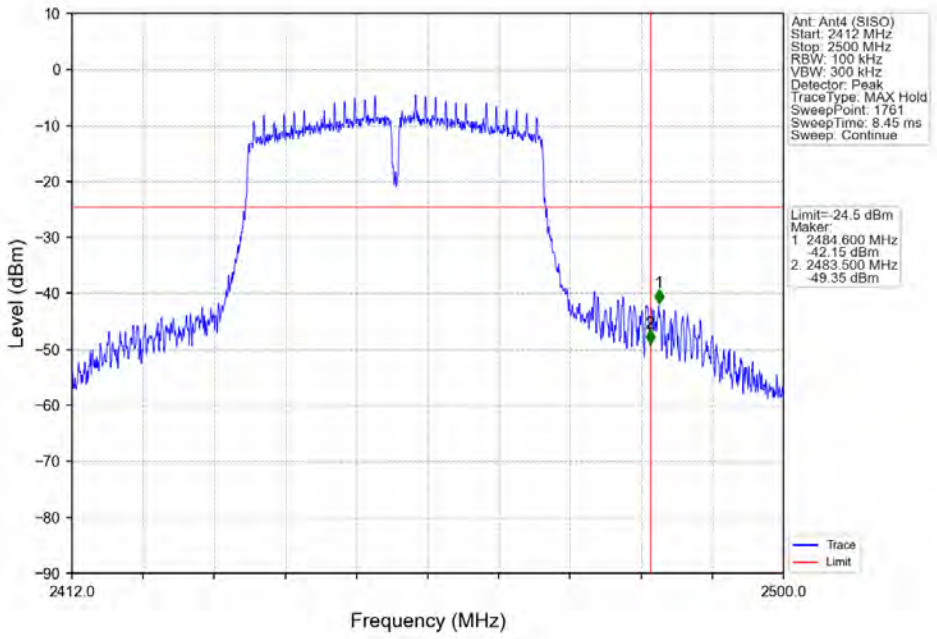
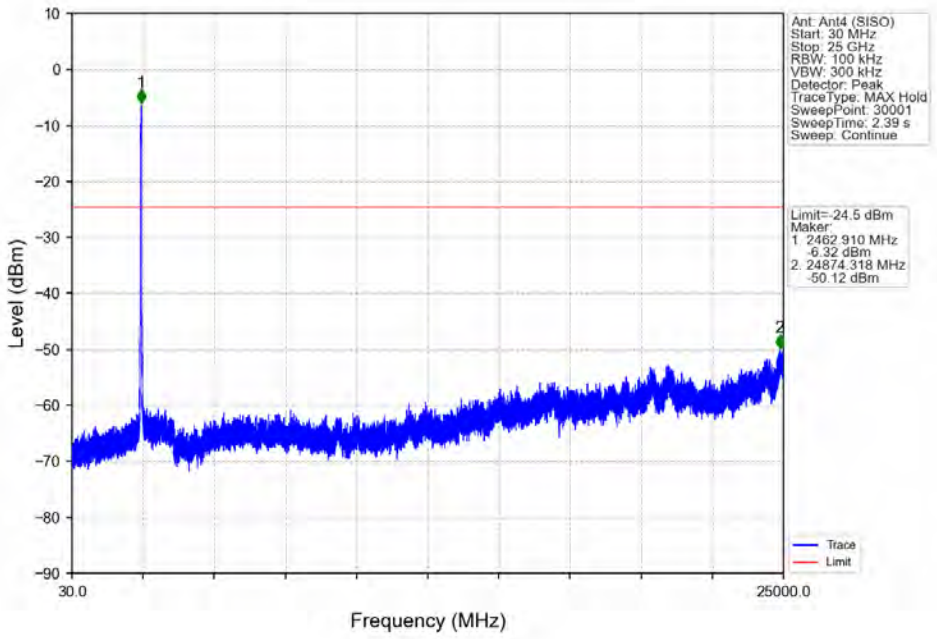
802.11n(HT40)_HCH_2452MHz_Ant4 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant4 (SISO)_NTNV



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6. Form731

6.1 Form731

6.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2412	2462	0.0429	16.32
2422	2452	0.0432	16.35

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