

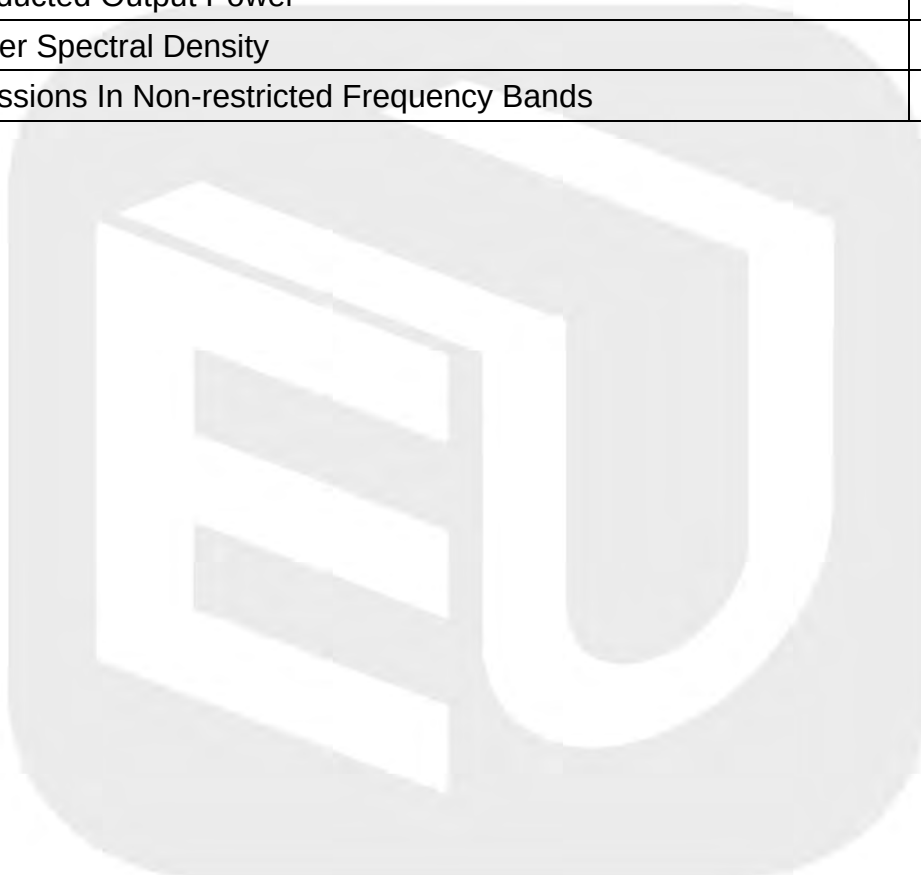
ANNEX E TEST DATA

For

Project No.:	8334EU010802W
Client:	ShenZhen Eucleia Technology Co.,Ltd
Product Description:	Diagnostic Programming Tool
Model No.:	T6 J2534
FCC ID:	2AO73T6J2534
Technology:	WiFi 2.4G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2025-09-22

Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass



1. Duty Cycle

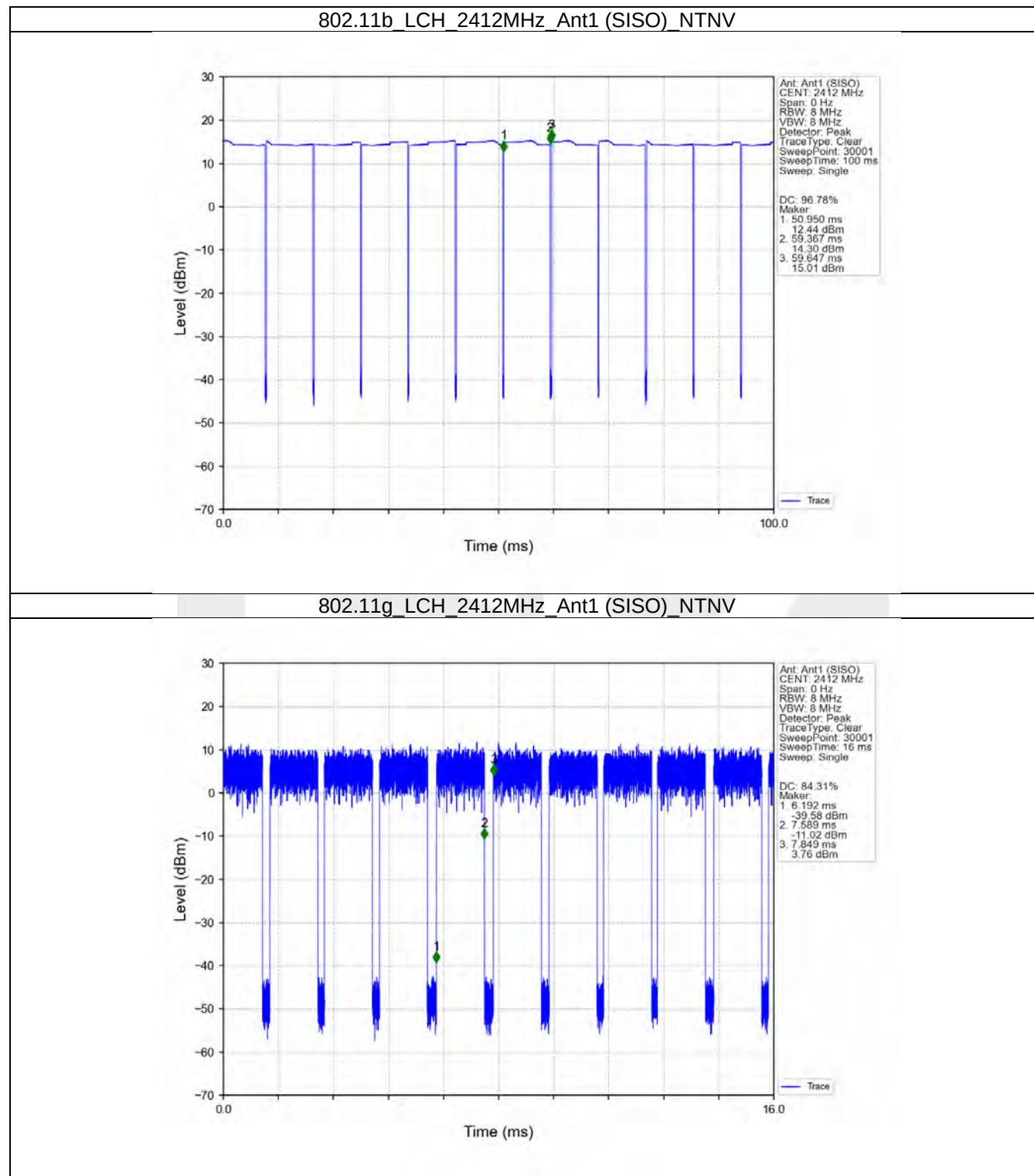
1.1 Test Result

1.1.1 Ant1

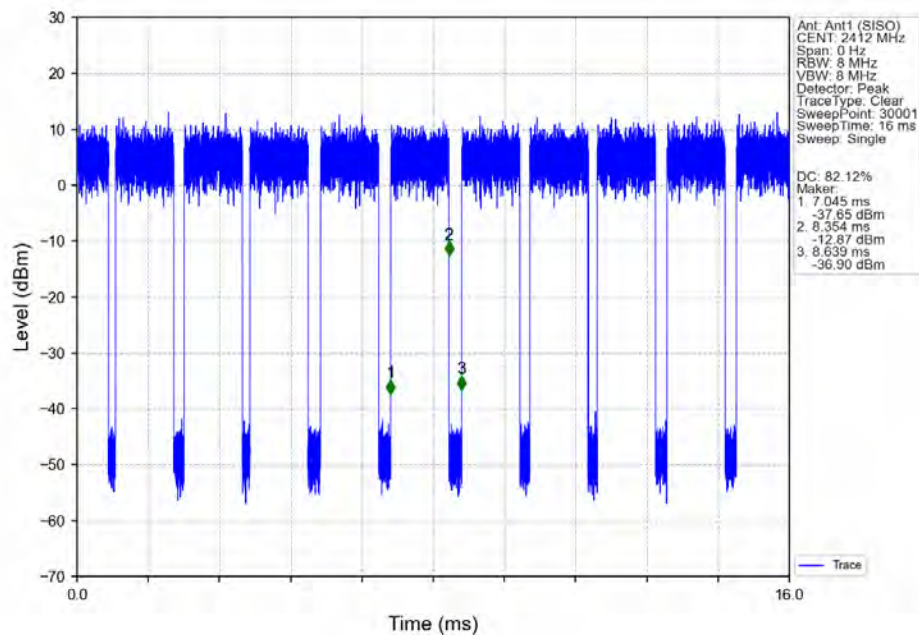
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.417	8.697	96.78	0.14	1.43
802.11g	SISO	2412	1.397	1.657	84.31	0.74	4.89
802.11n (HT20)	SISO	2412	1.309	1.594	82.12	0.86	6.49
802.11n (HT40)	SISO	2422	0.649	0.934	69.49	1.58	9.06
Note: All antenna were tested, but only the worst case has been reported in this report.							

1.2 Test Graph

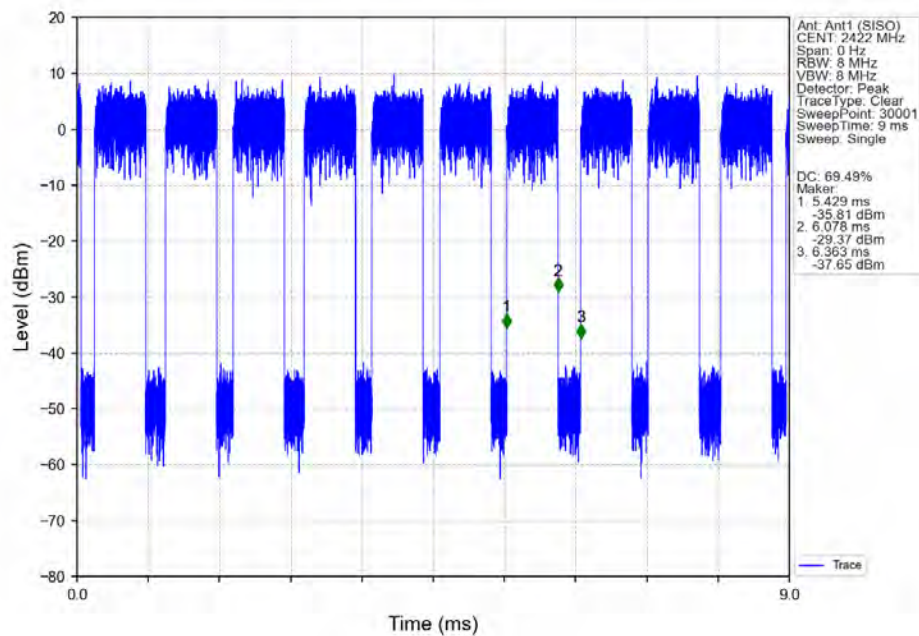
1.2.1 Ant1



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	14.146	/	Pass
		2437	1	14.174	/	Pass
		2462	1	14.183	/	Pass
802.11g	SISO	2412	1	17.332	/	Pass
		2437	1	17.314	/	Pass
		2462	1	17.318	/	Pass
802.11n (HT20)	SISO	2412	1	18.065	/	Pass
		2437	1	18.087	/	Pass
		2462	1	18.068	/	Pass
802.11n (HT40)	SISO	2422	1	36.050	/	Pass
		2437	1	36.129	/	Pass
		2452	1	36.139	/	Pass

Note: All antenna were tested, but only the worst case has been reported in this report.

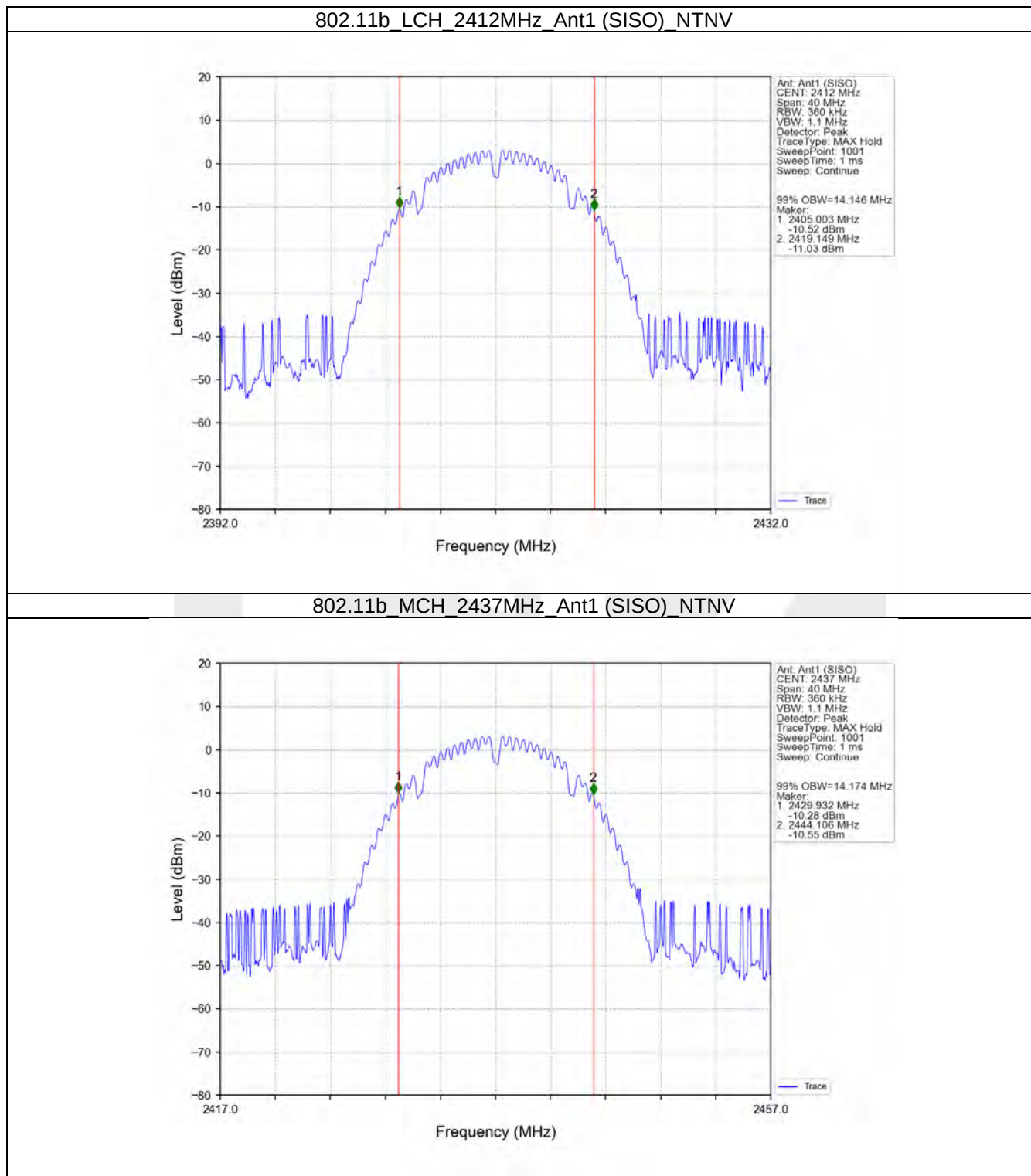
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.709	≥ 0.5	Pass
		2437	1	10.066	≥ 0.5	Pass
		2462	1	10.070	≥ 0.5	Pass
802.11g	SISO	2412	1	15.671	≥ 0.5	Pass
		2437	1	15.577	≥ 0.5	Pass
		2462	1	15.579	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.143	≥ 0.5	Pass
		2437	1	17.025	≥ 0.5	Pass
		2462	1	17.310	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	34.933	≥ 0.5	Pass
		2437	1	35.170	≥ 0.5	Pass
		2452	1	34.959	≥ 0.5	Pass

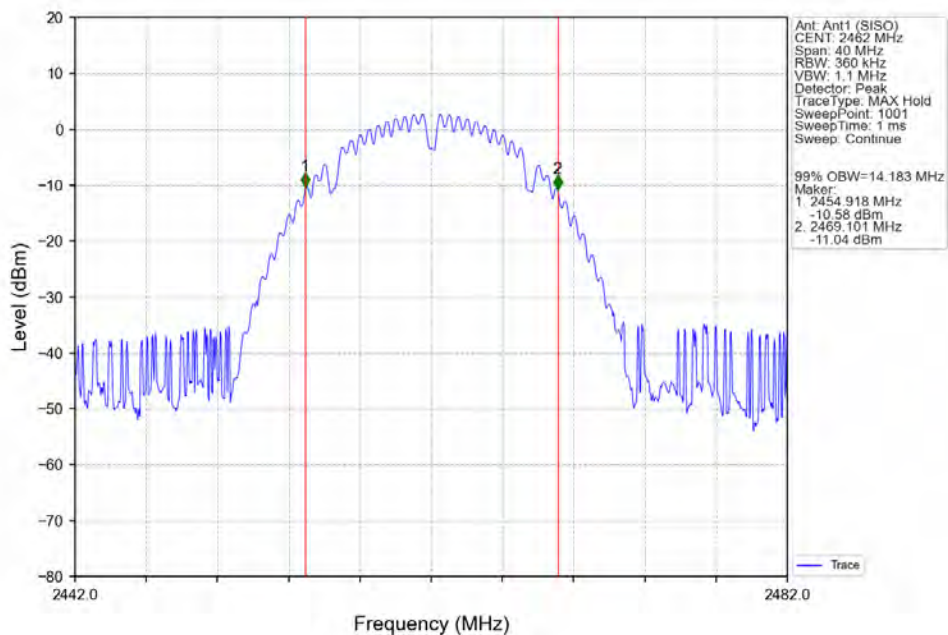
Note: All antenna were tested, but only the worst case has been reported in this report.

2.2 Test Graph

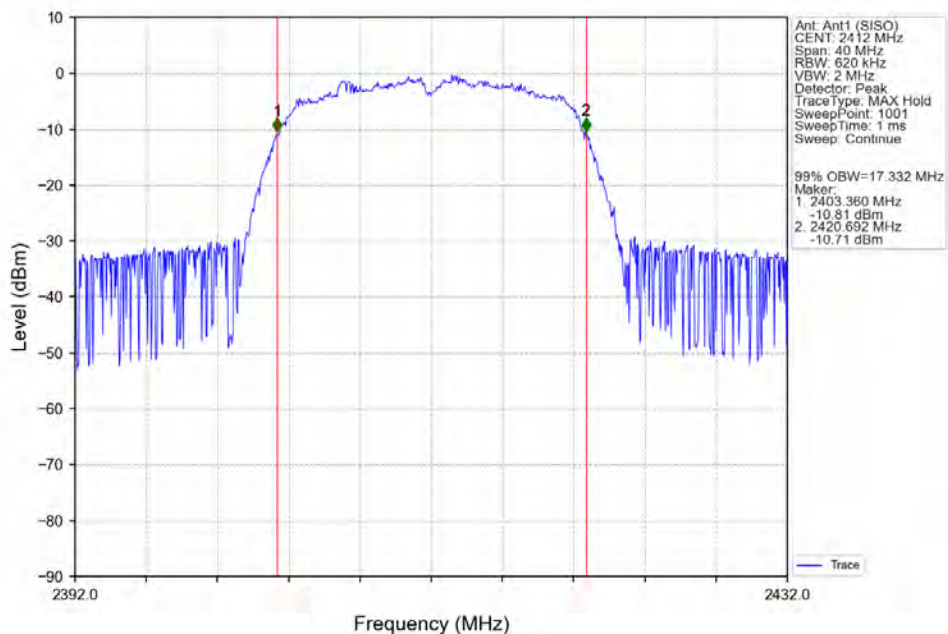
2.2.1 OBW



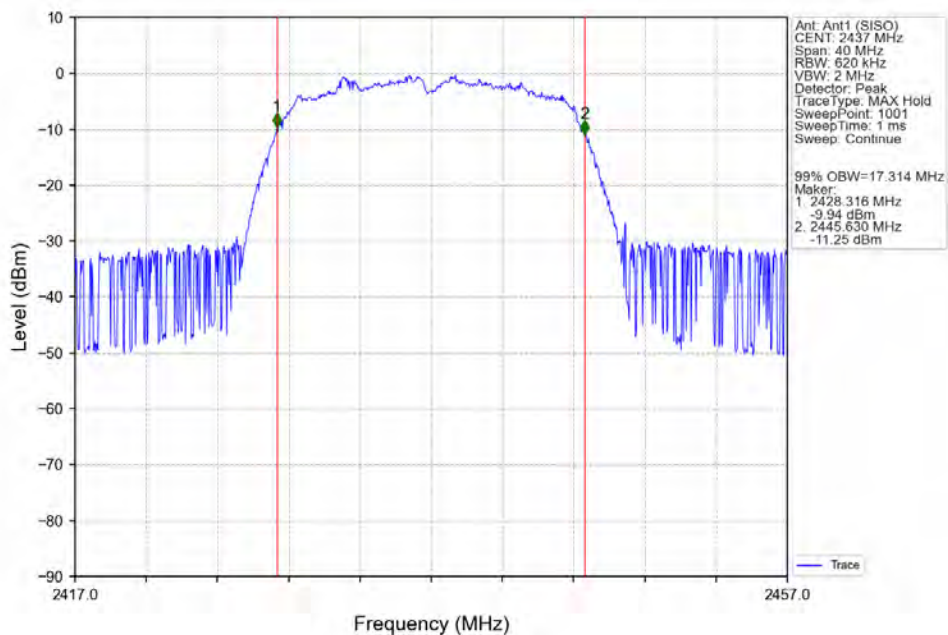
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



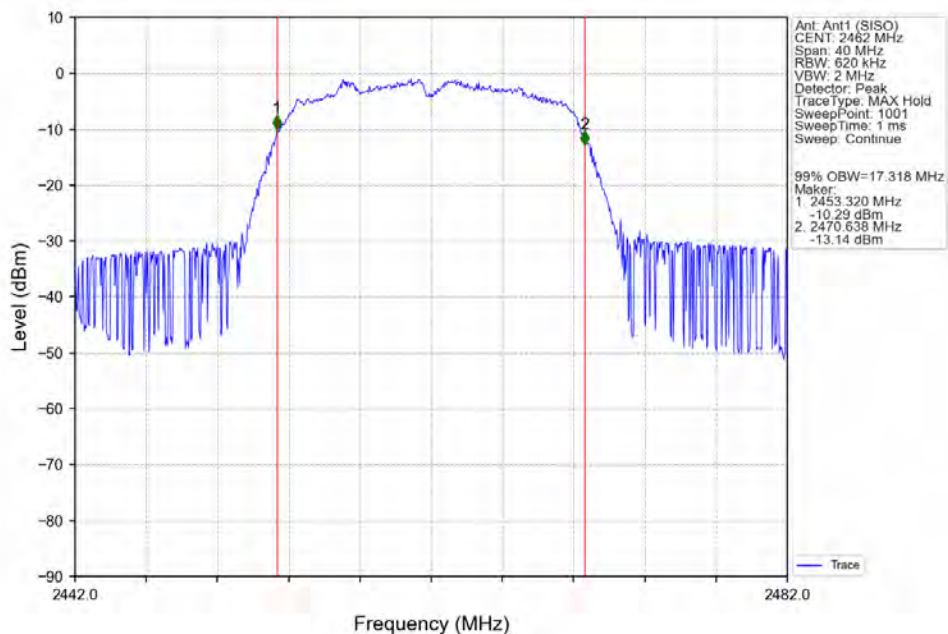
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



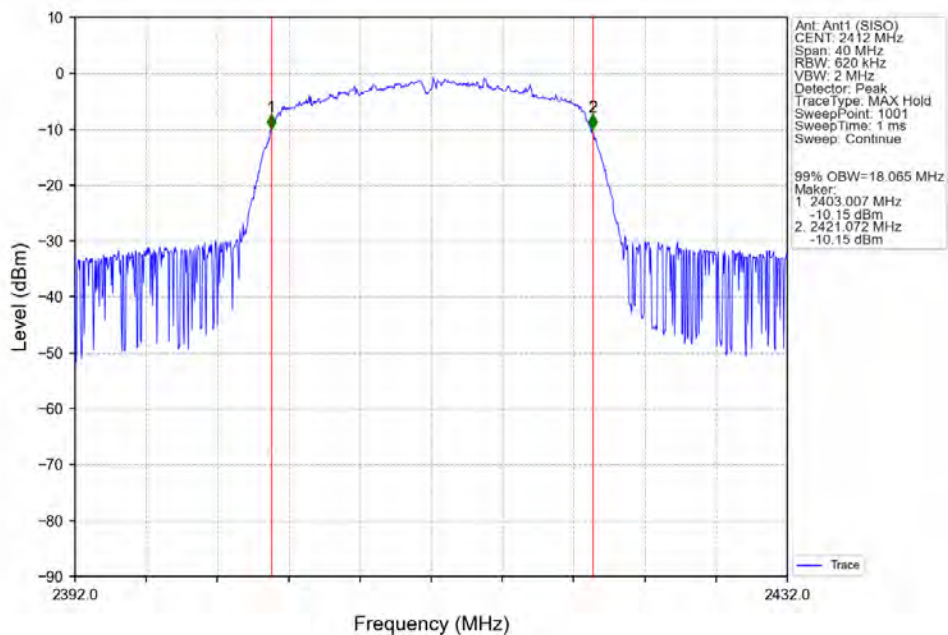
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



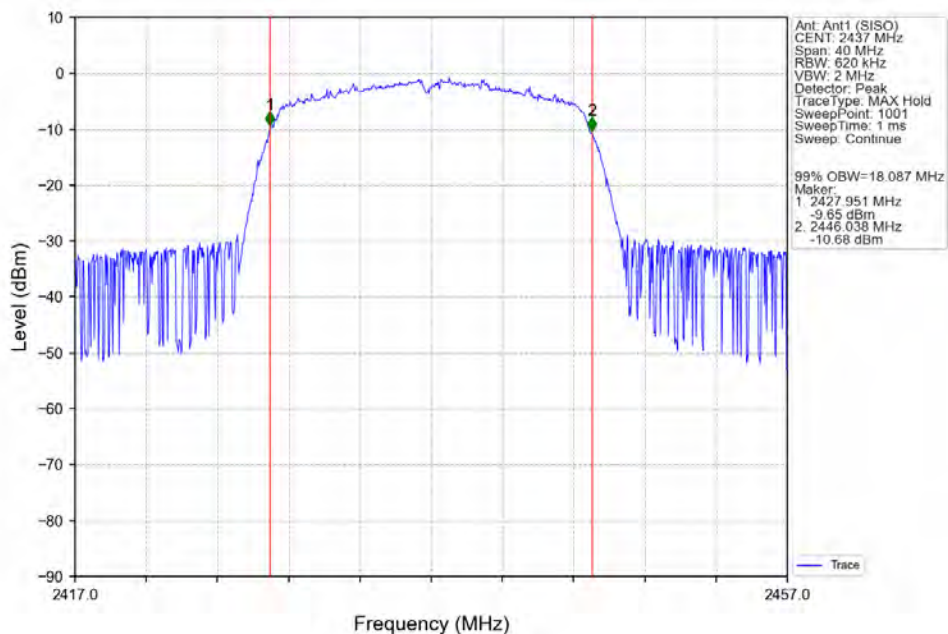
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

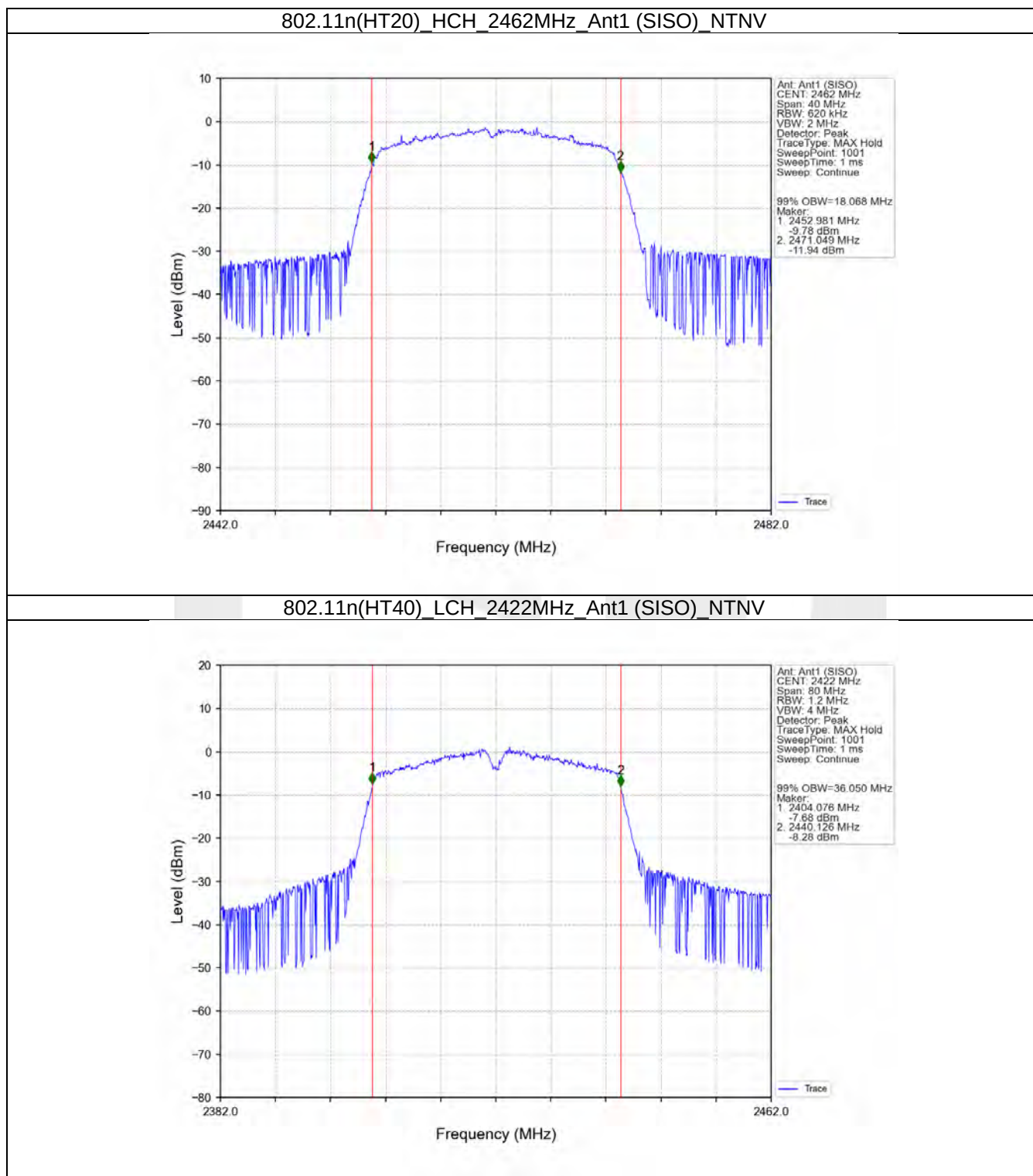


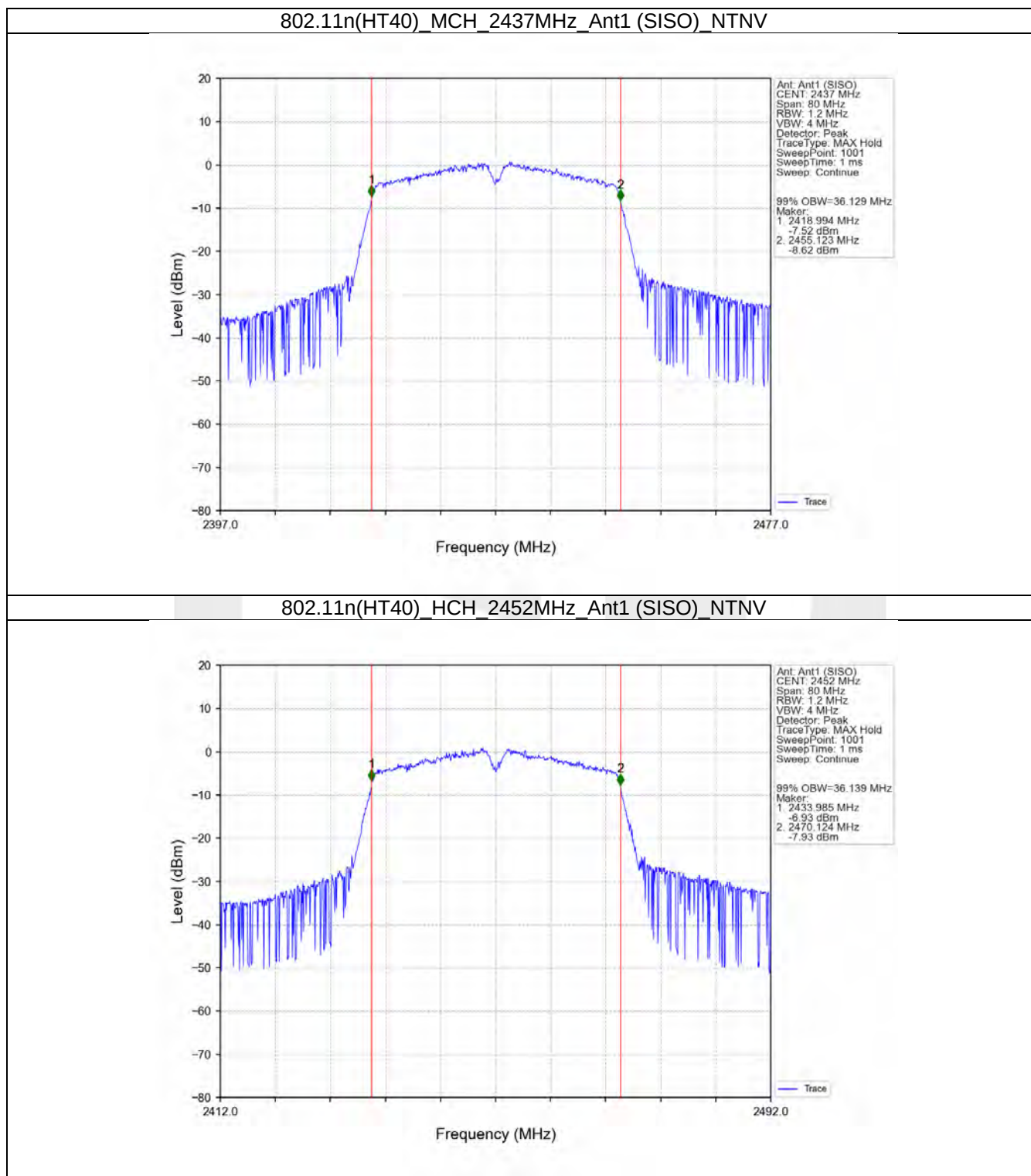
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



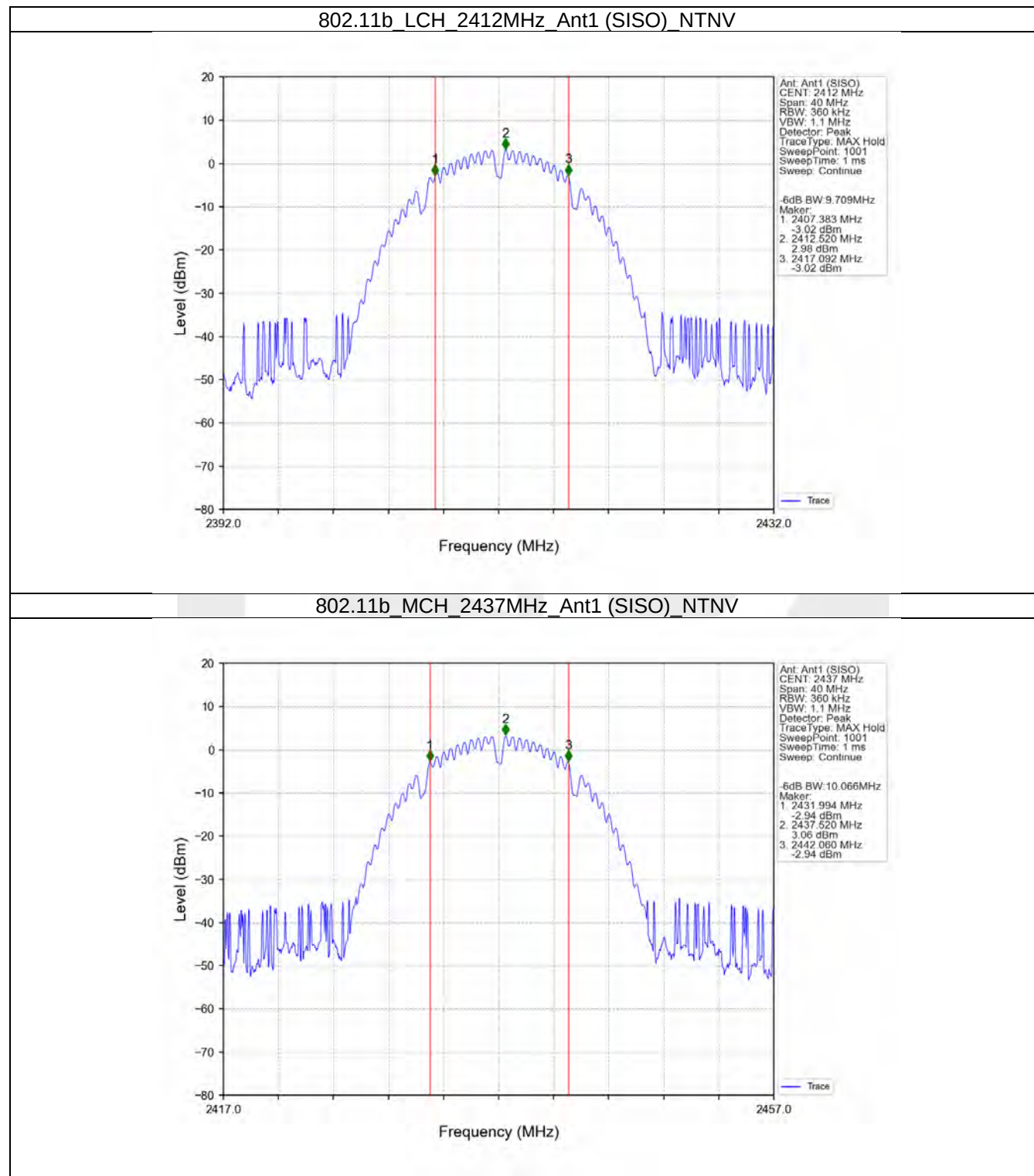
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



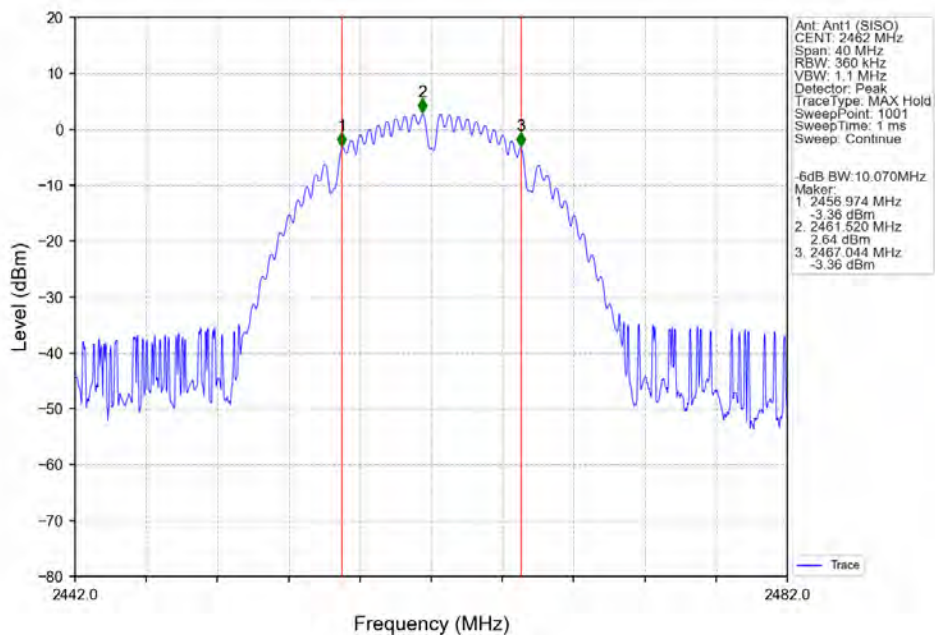




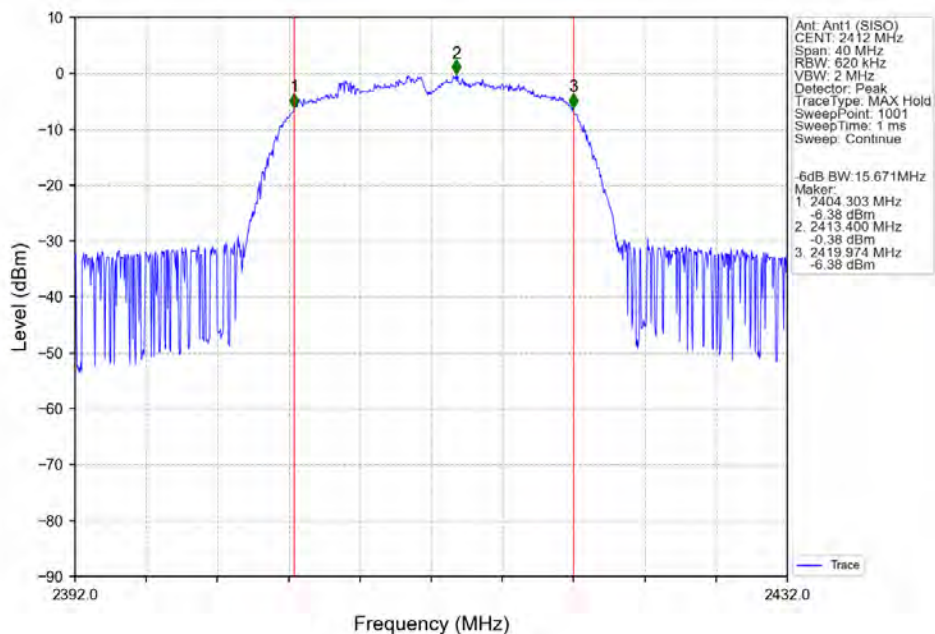
2.2.2 6dB BW



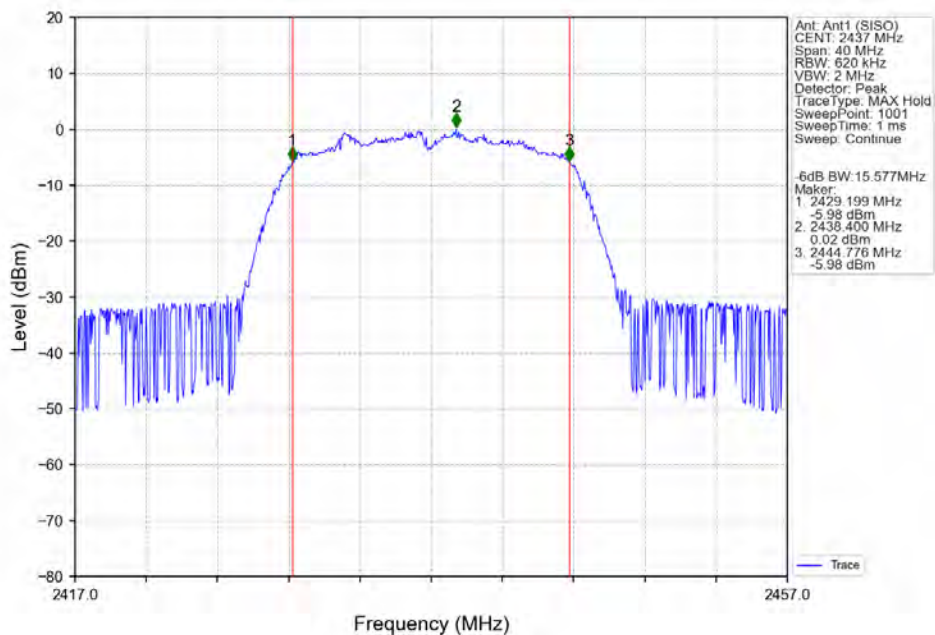
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



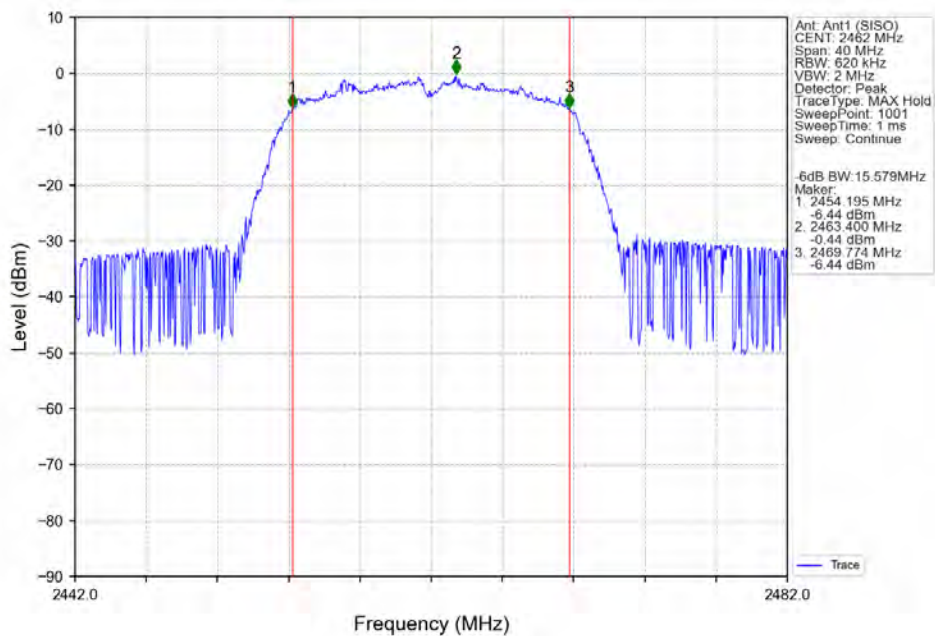
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



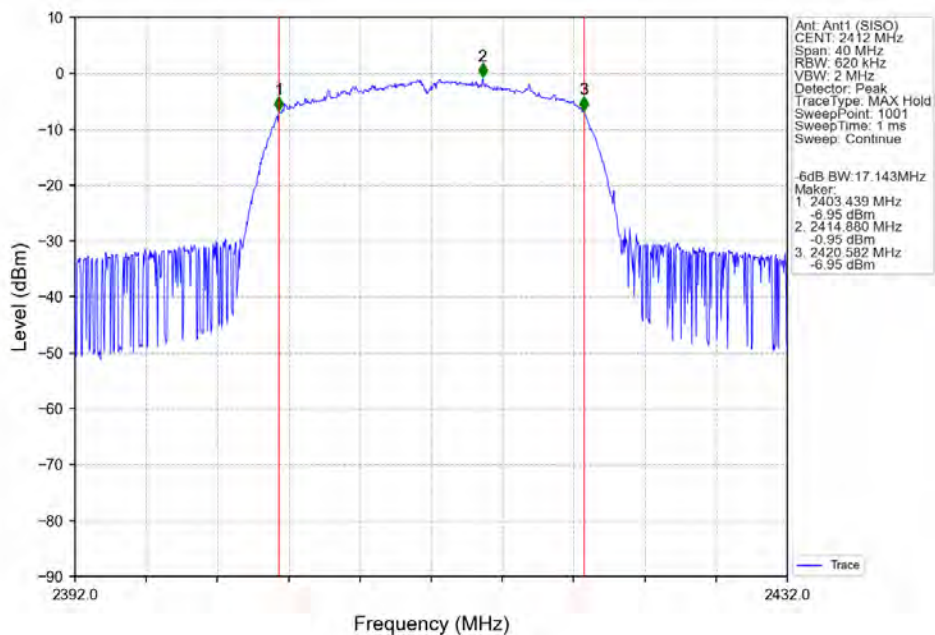
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



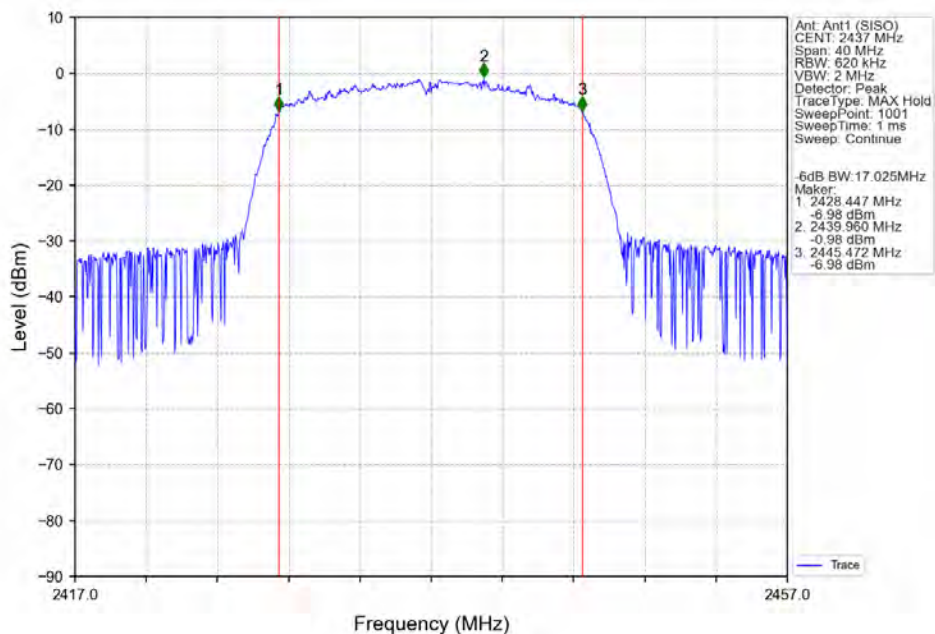
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

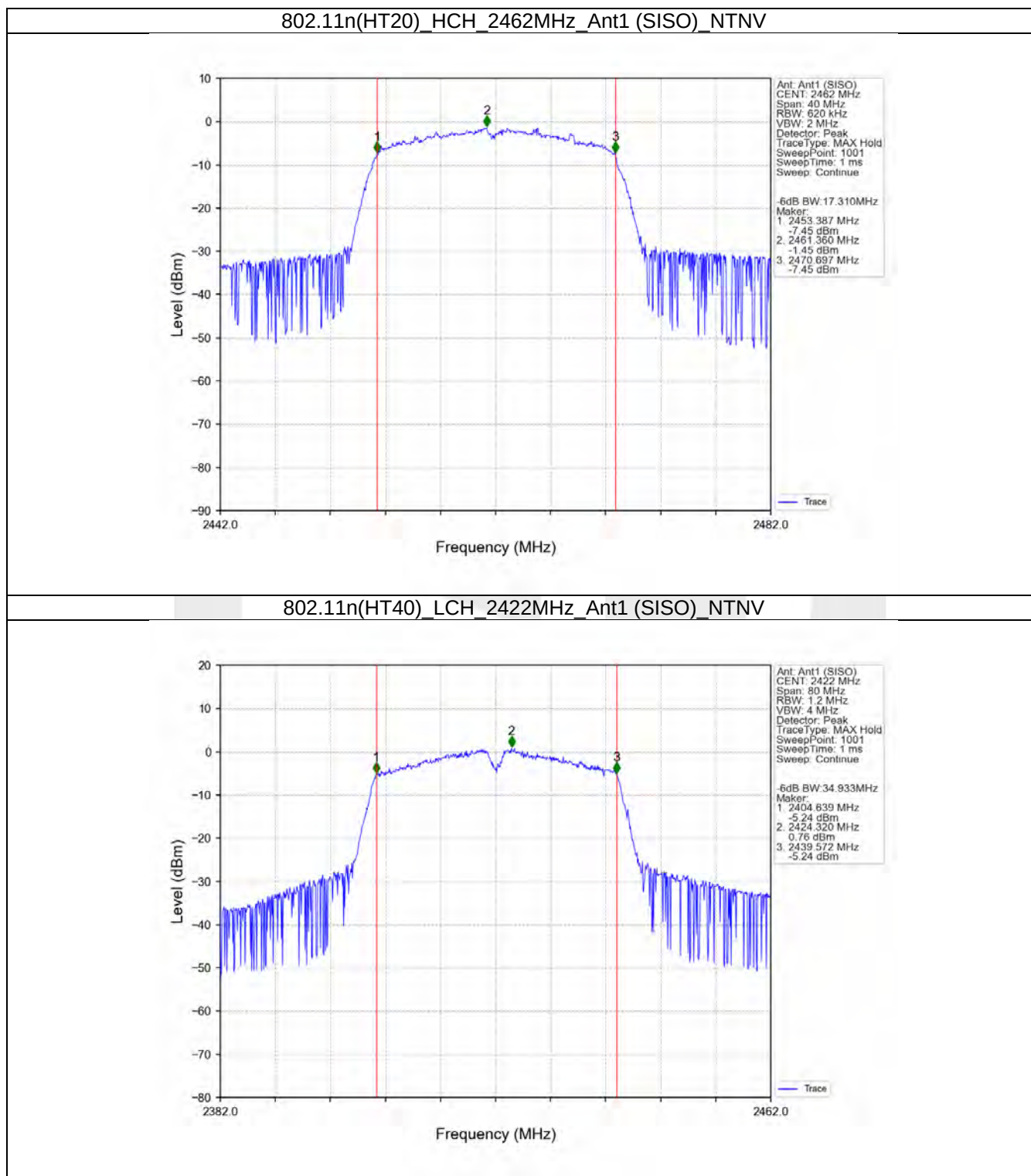


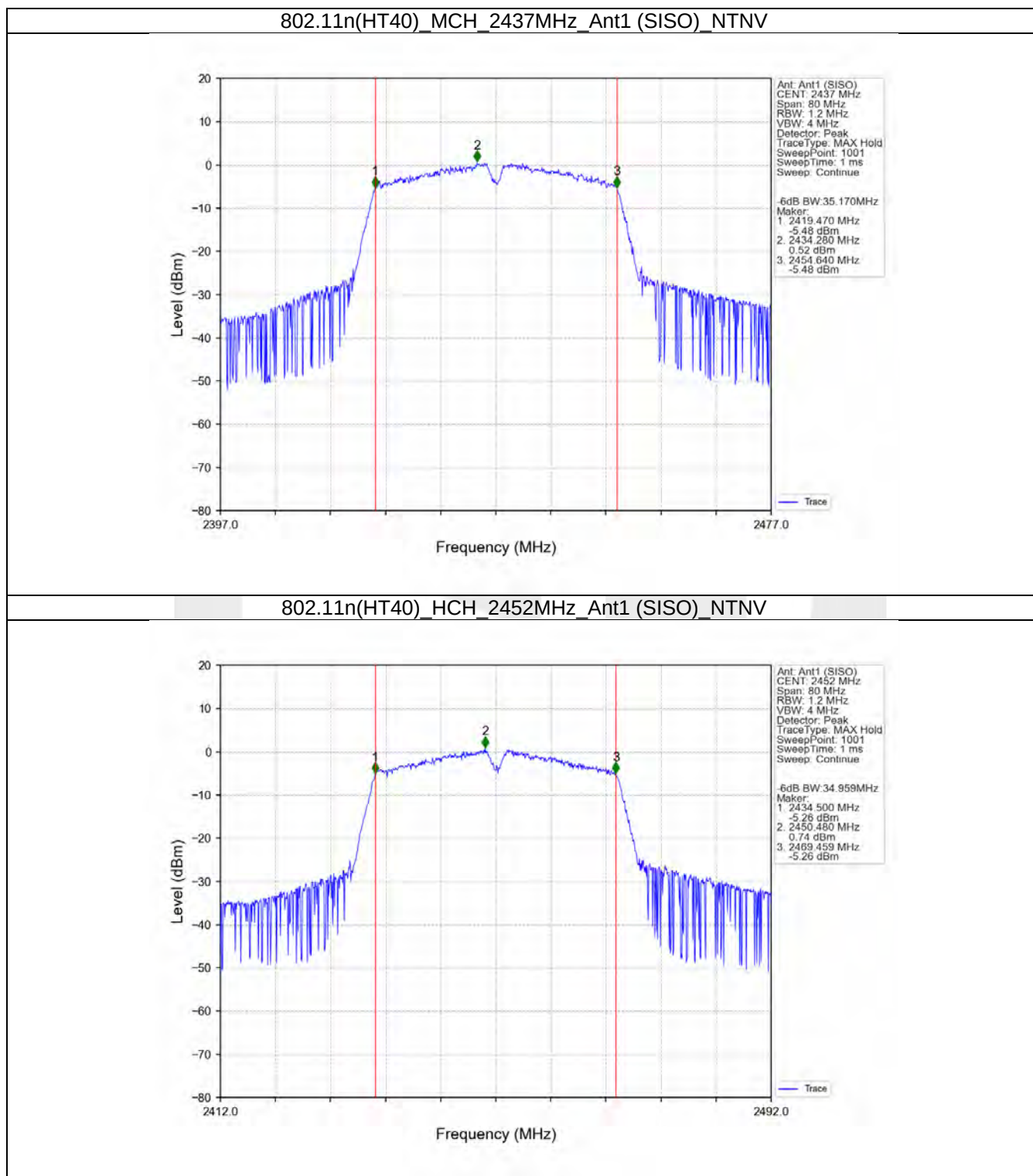
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV







3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)			Verdict
			ANT1	ANT2	Limit	
802.11b	SISO	2412	13.81	12.77	<=30	Pass
		2437	13.95	12.80	<=30	Pass
		2462	13.55	12.80	<=30	Pass
802.11g	SISO	2412	11.98	12.01	<=30	Pass
		2437	12.22	11.97	<=30	Pass
		2462	11.66	11.90	<=30	Pass
802.11n (HT20)	SISO	2412	12.14	11.94	<=30	Pass
		2437	12.09	11.94	<=30	Pass
		2462	11.71	11.86	<=30	Pass
802.11n (HT40)	SISO	2422	11.86	11.42	<=30	Pass
		2437	11.96	11.41	<=30	Pass
		2452	12.01	11.31	<=30	Pass

3.1.2 Power(MIMO)

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11g	SISO	2412	11.98	12.01	15.01	<=30	Pass
		2437	12.22	11.97	15.11	<=30	Pass
		2462	11.66	11.90	14.79	<=30	Pass
802.11n (HT20)	SISO	2412	12.14	11.94	15.05	<=30	Pass
		2437	12.09	11.94	15.03	<=30	Pass
		2462	11.71	11.86	14.80	<=30	Pass
802.11n (HT40)	SISO	2422	11.86	11.42	14.66	<=30	Pass
		2437	11.96	11.41	14.70	<=30	Pass
		2452	12.01	11.31	14.68	<=30	Pass

Note1: Antenna Gain: Ant1: 2.87dBi; Ant2: 2.87dBi;
Note2: Directional Gain: Correlated (Directional Gain = Ant Gain=5.88dBi)

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)			Verdict
			ANT1	ANT2	Limit	
802.11b	SISO	2412	1.66	0.62	<=8	Pass
		2437	1.75	1.06	<=8	Pass
		2462	1.34	0.60	<=8	Pass
802.11g	SISO	2412	-5.85	-5.43	<=8	Pass
		2437	-5.53	-5.75	<=8	Pass
		2462	-6.58	-5.86	<=8	Pass
802.11n (HT20)	SISO	2412	-6.41	-5.38	<=8	Pass
		2437	-5.72	-5.45	<=8	Pass
		2462	-5.89	-6.04	<=8	Pass
802.11n (HT40)	SISO	2422	-8.83	-9.13	<=8	Pass
		2437	-9.07	-9.01	<=8	Pass
		2452	-8.83	-9.12	<=8	Pass

4.1.2 PSD(MIMO)

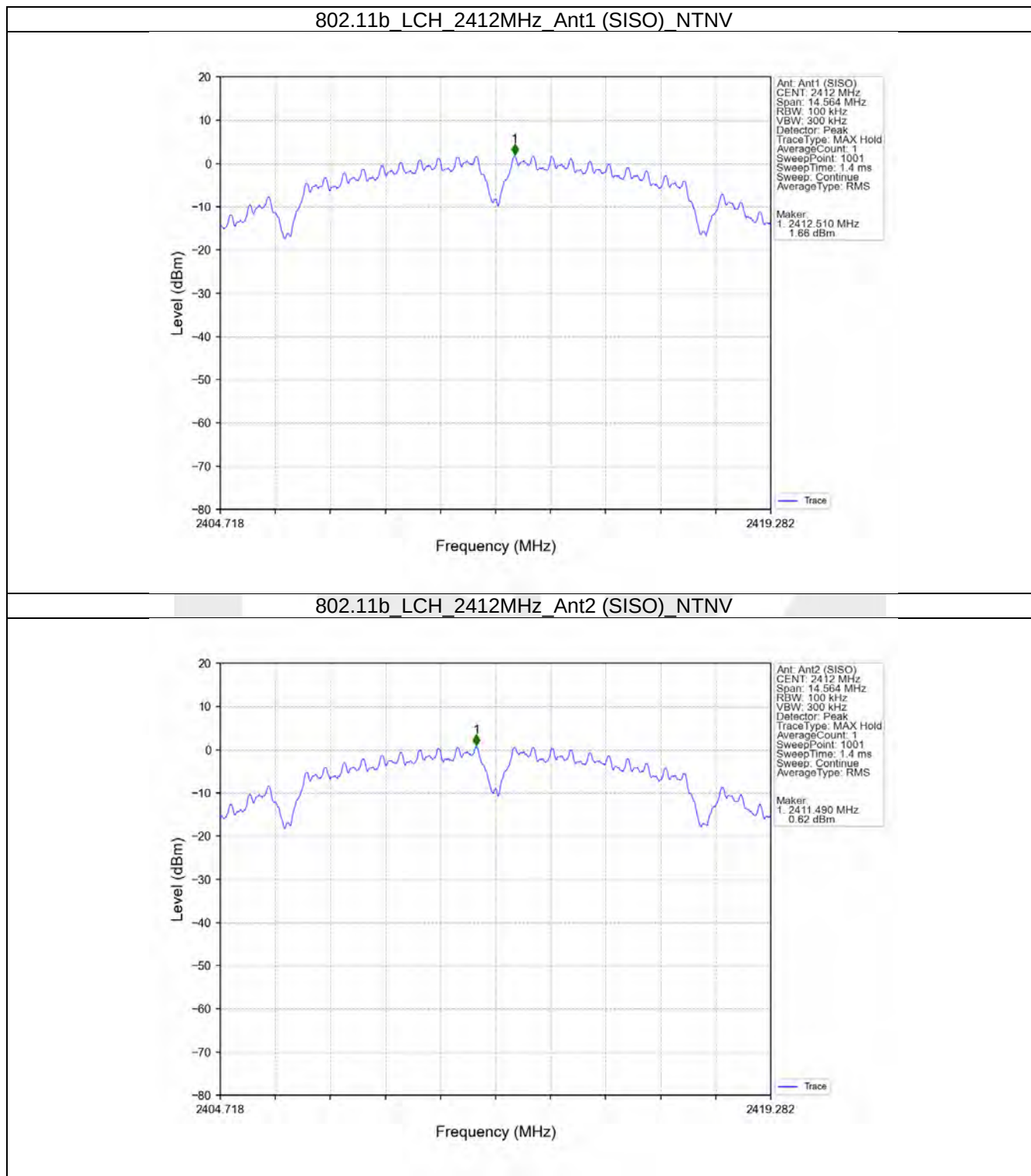
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11g	SISO	2412	-5.85	-5.43	-2.62	<=8	Pass
		2437	-5.53	-5.75	-2.63	<=8	Pass
		2462	-6.58	-5.86	-3.19	<=8	Pass
802.11n (HT20)	SISO	2412	-6.41	-5.38	-2.85	<=8	Pass
		2437	-5.72	-5.45	-2.57	<=8	Pass
		2462	-5.89	-6.04	-2.95	<=8	Pass
802.11n (HT40)	SISO	2422	-8.83	-9.13	-5.97	<=8	Pass
		2437	-9.07	-9.01	-6.03	<=8	Pass
		2452	-8.83	-9.12	-5.96	<=8	Pass

Note1: Antenna Gain: Ant1: 2.87dBi; Ant2: 2.87dBi;

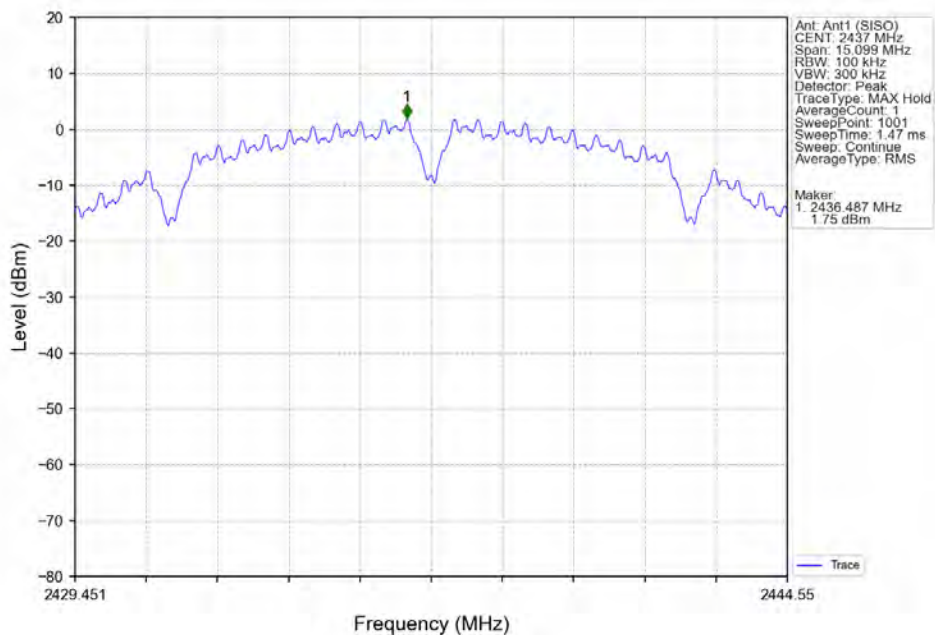
Note2: Directional Gain: Correlated (Directional Gain = Ant Gain=5.88dBi)

4.2 Test Graph

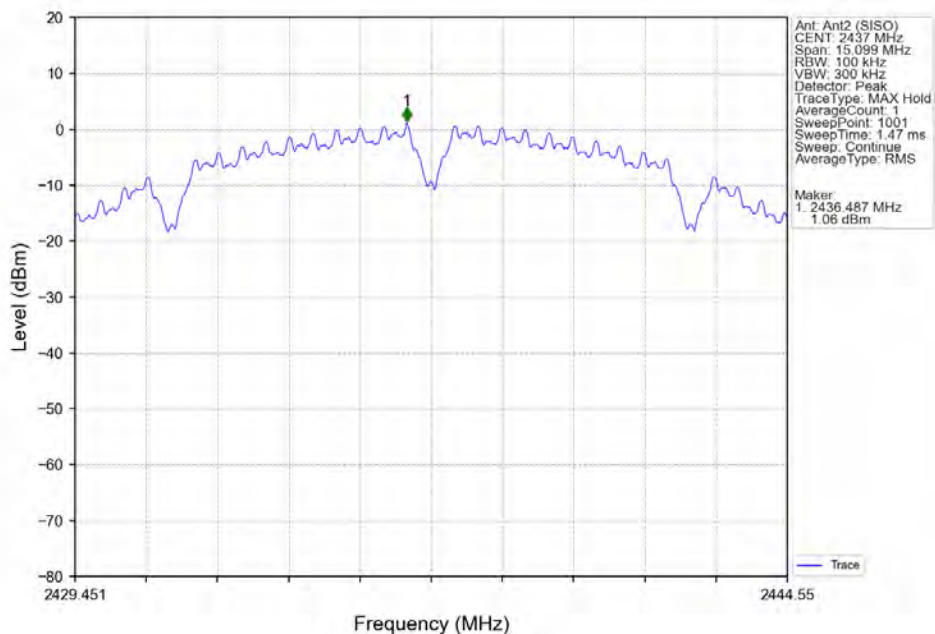
4.2.1 PSD



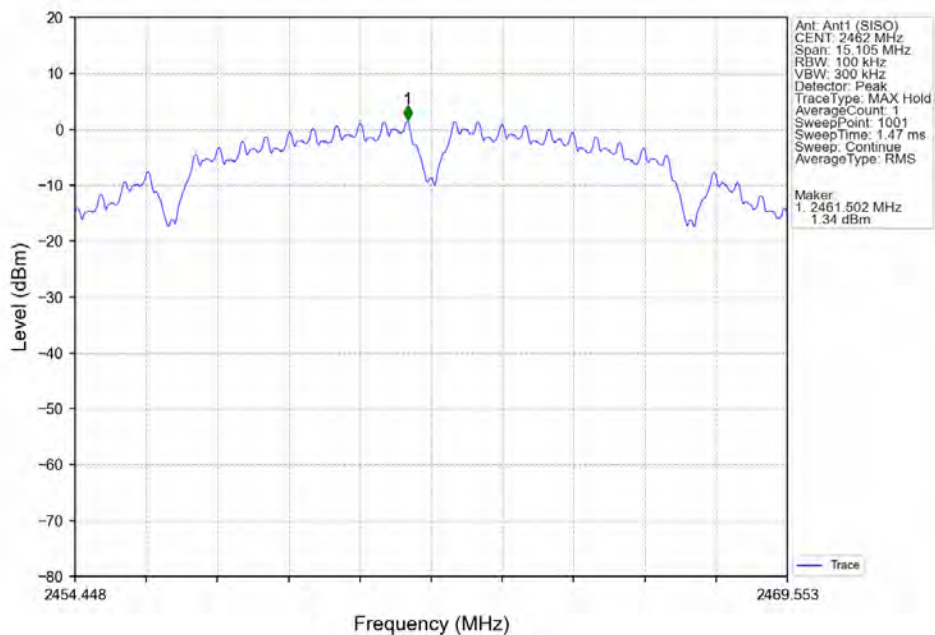
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



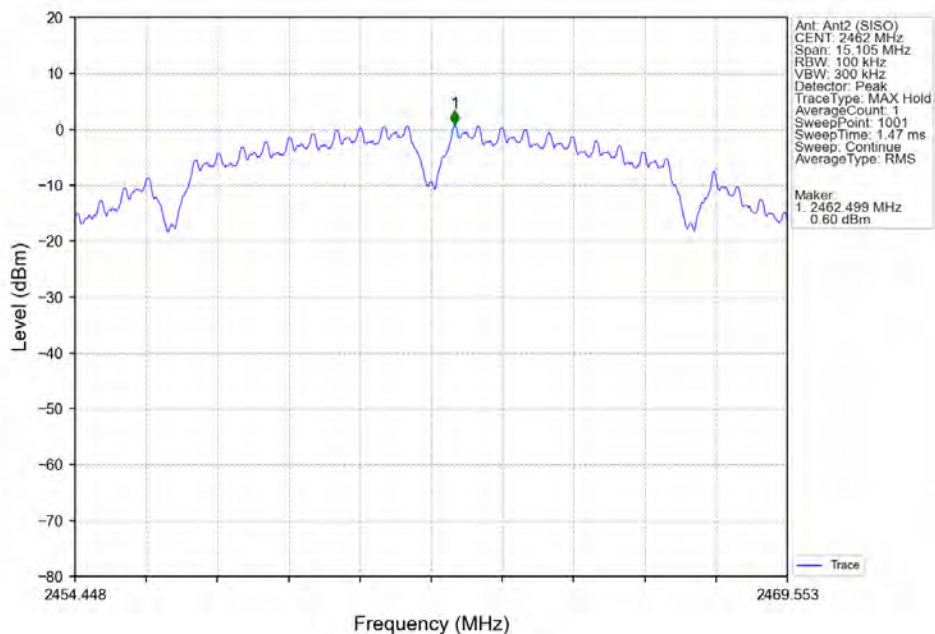
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV

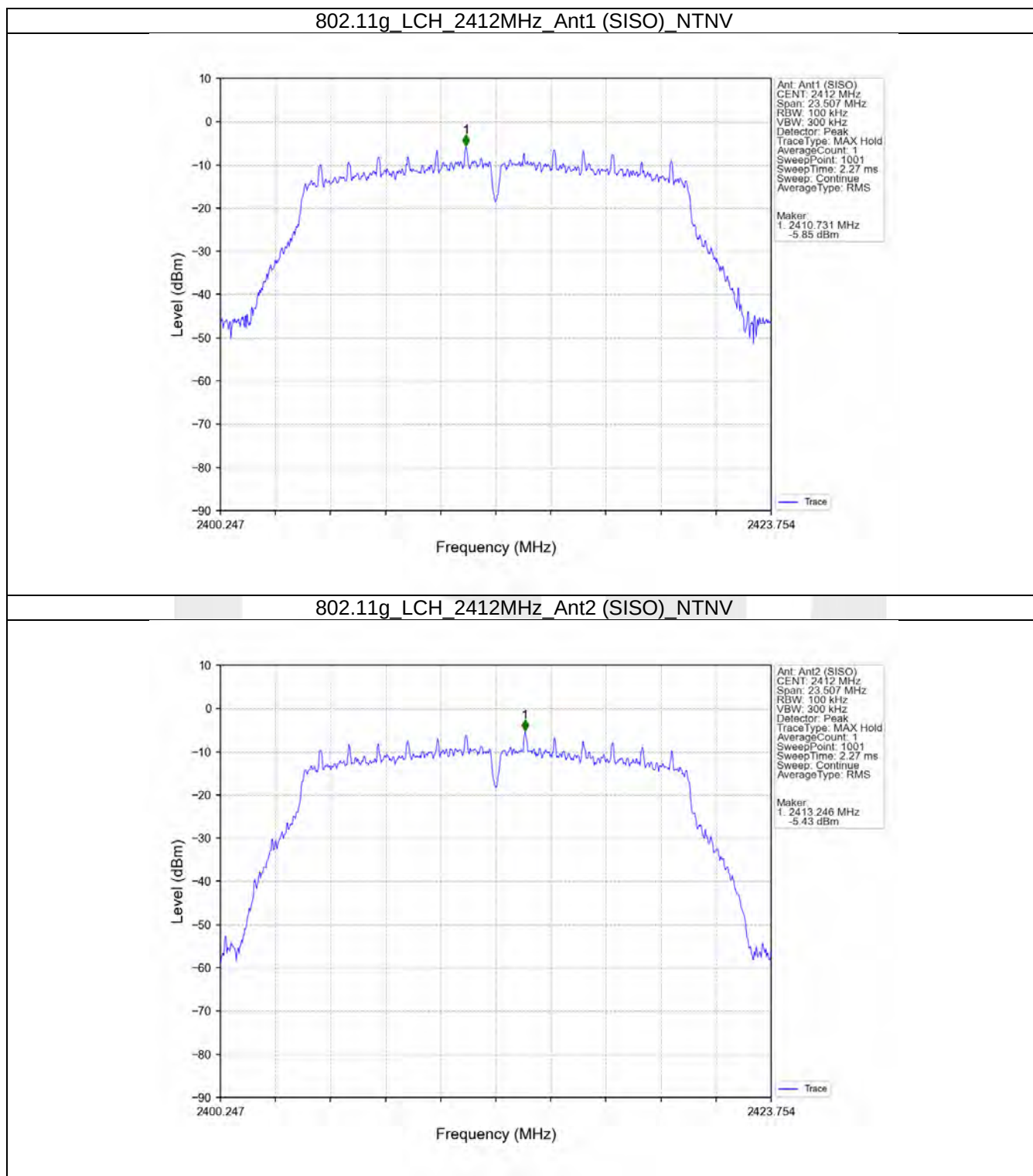


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

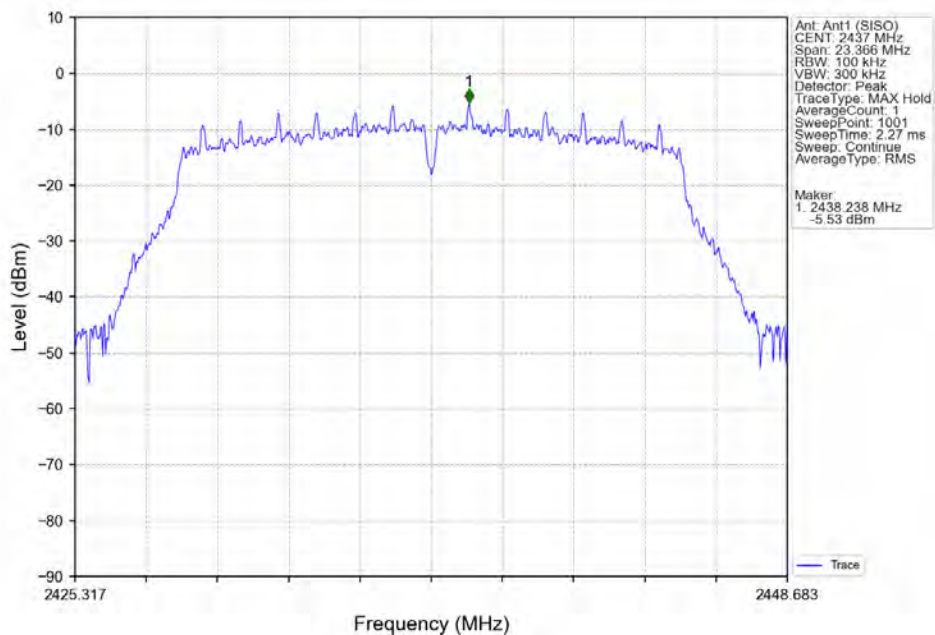


802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV

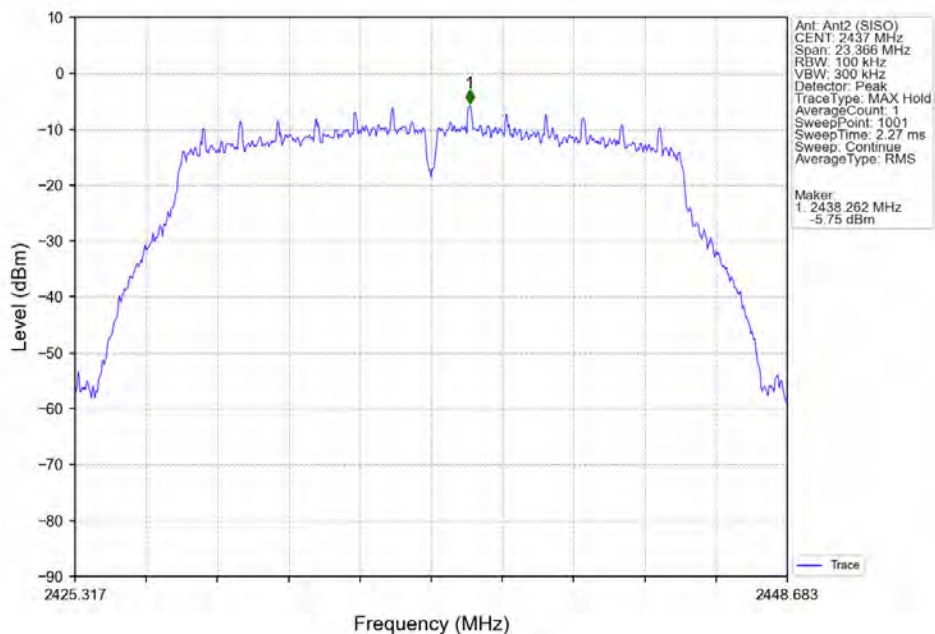




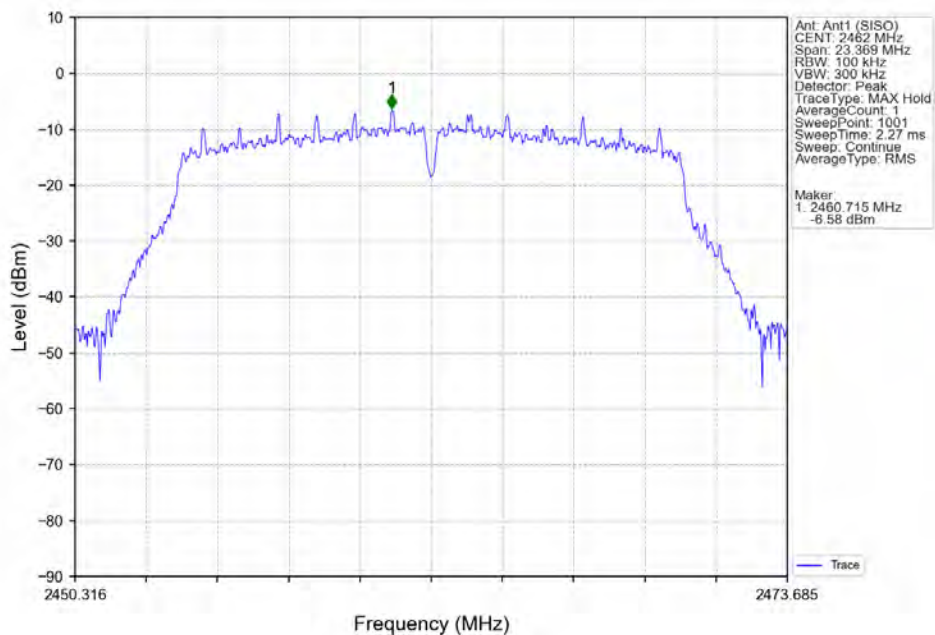
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



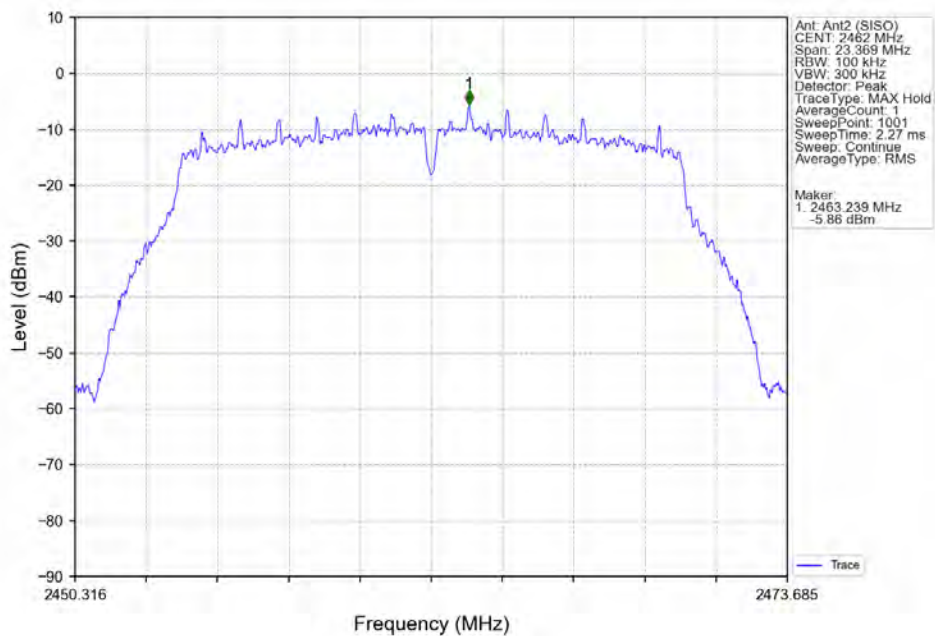
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



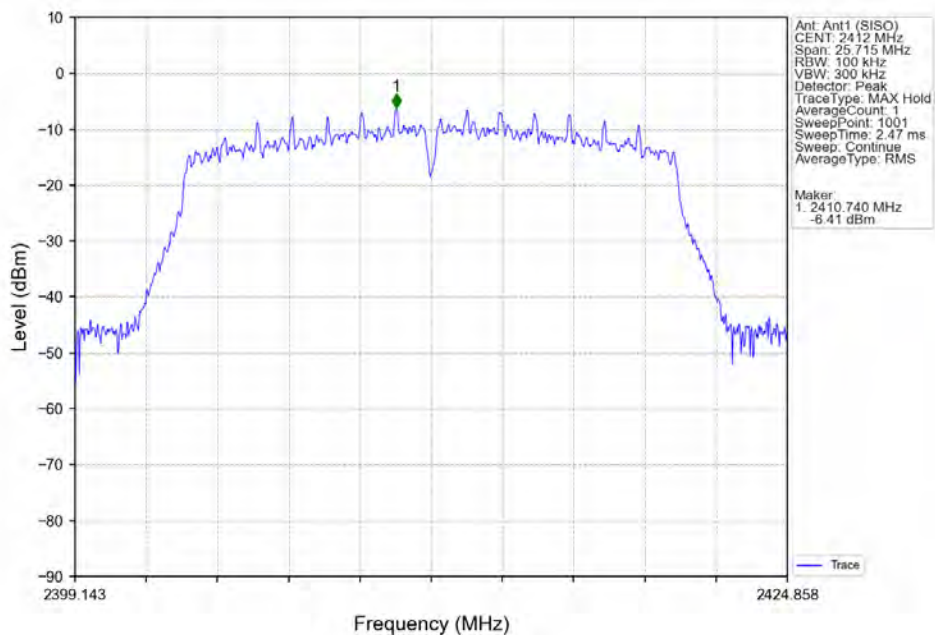
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



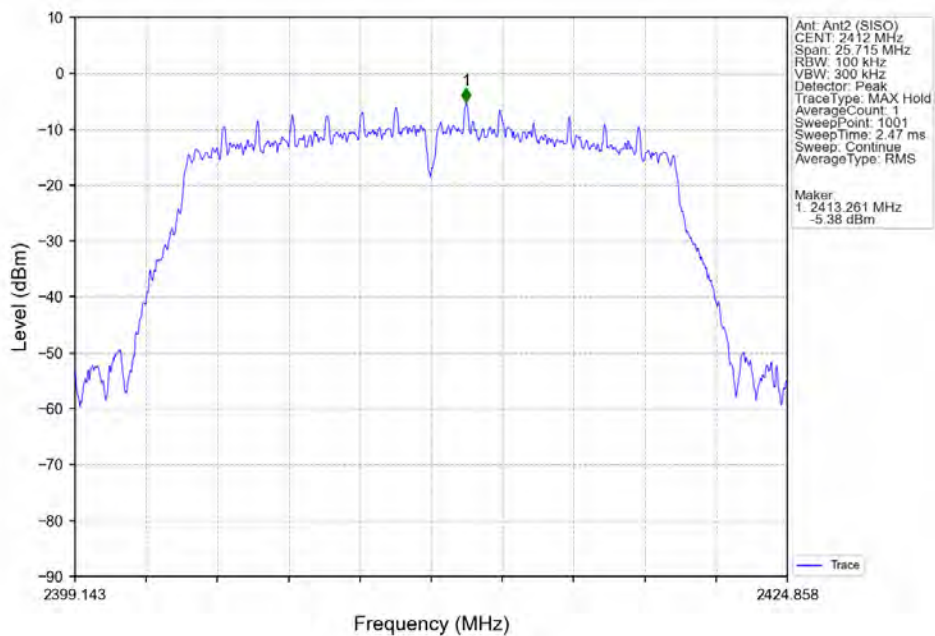
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV

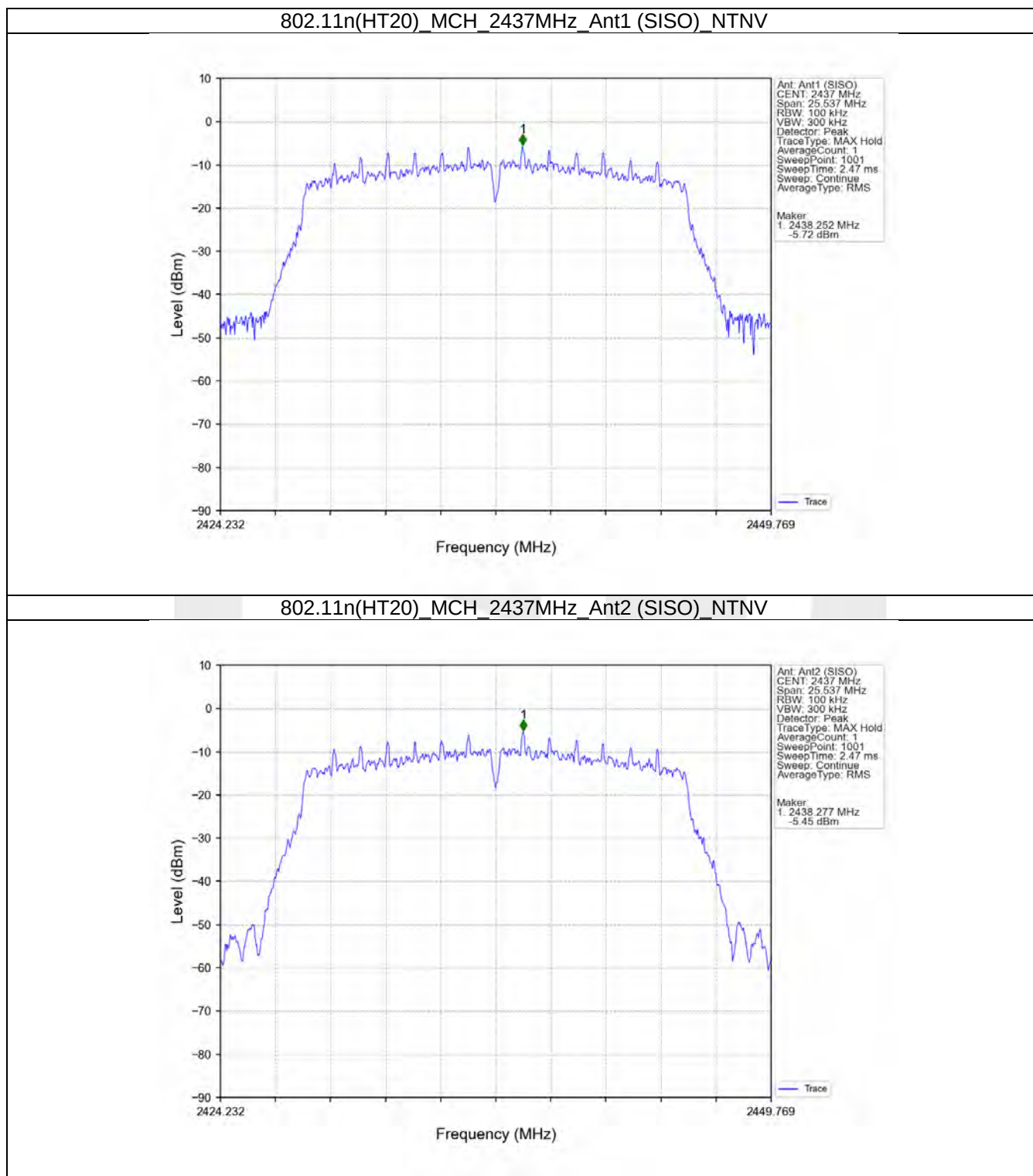


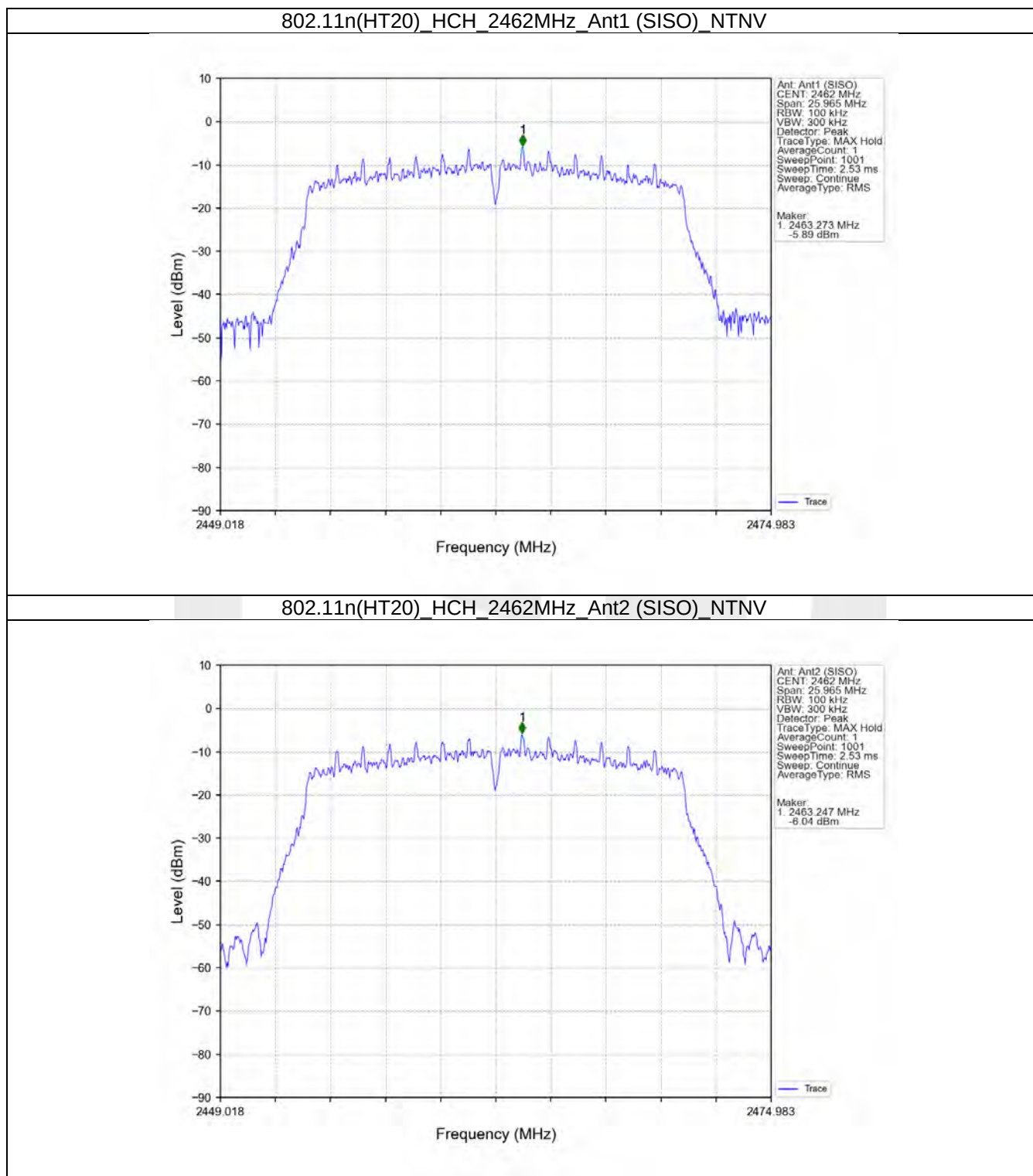
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



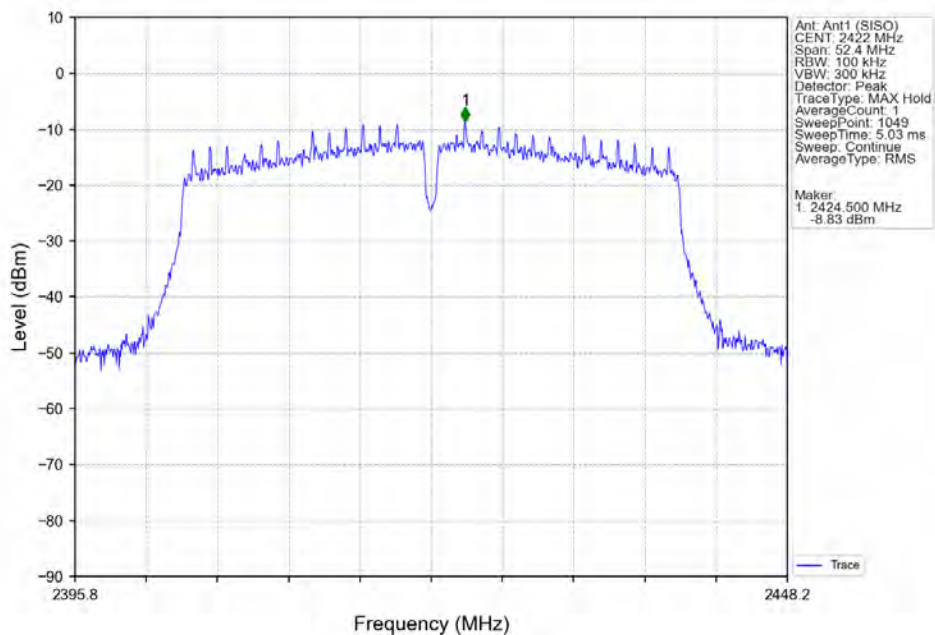
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



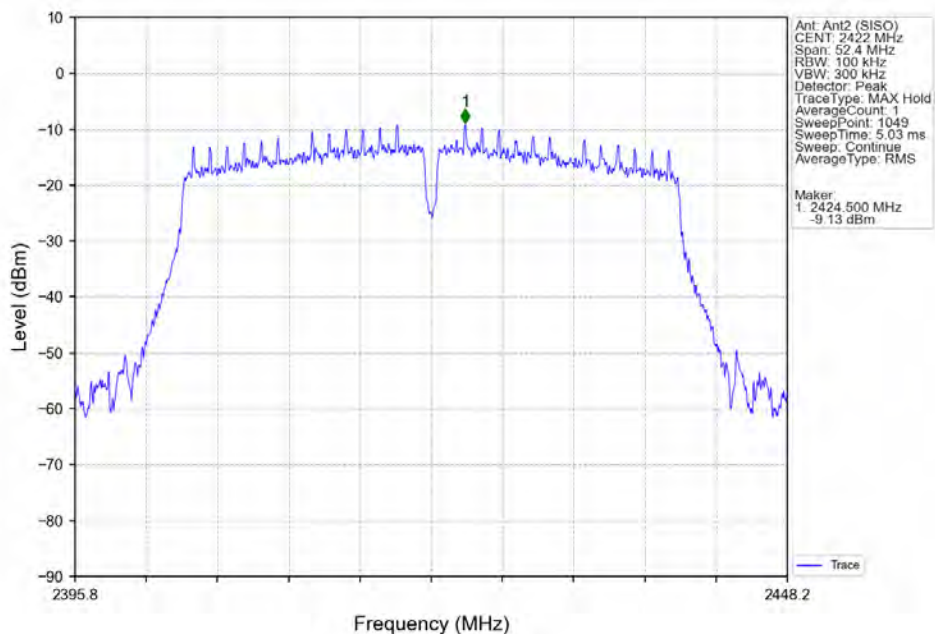


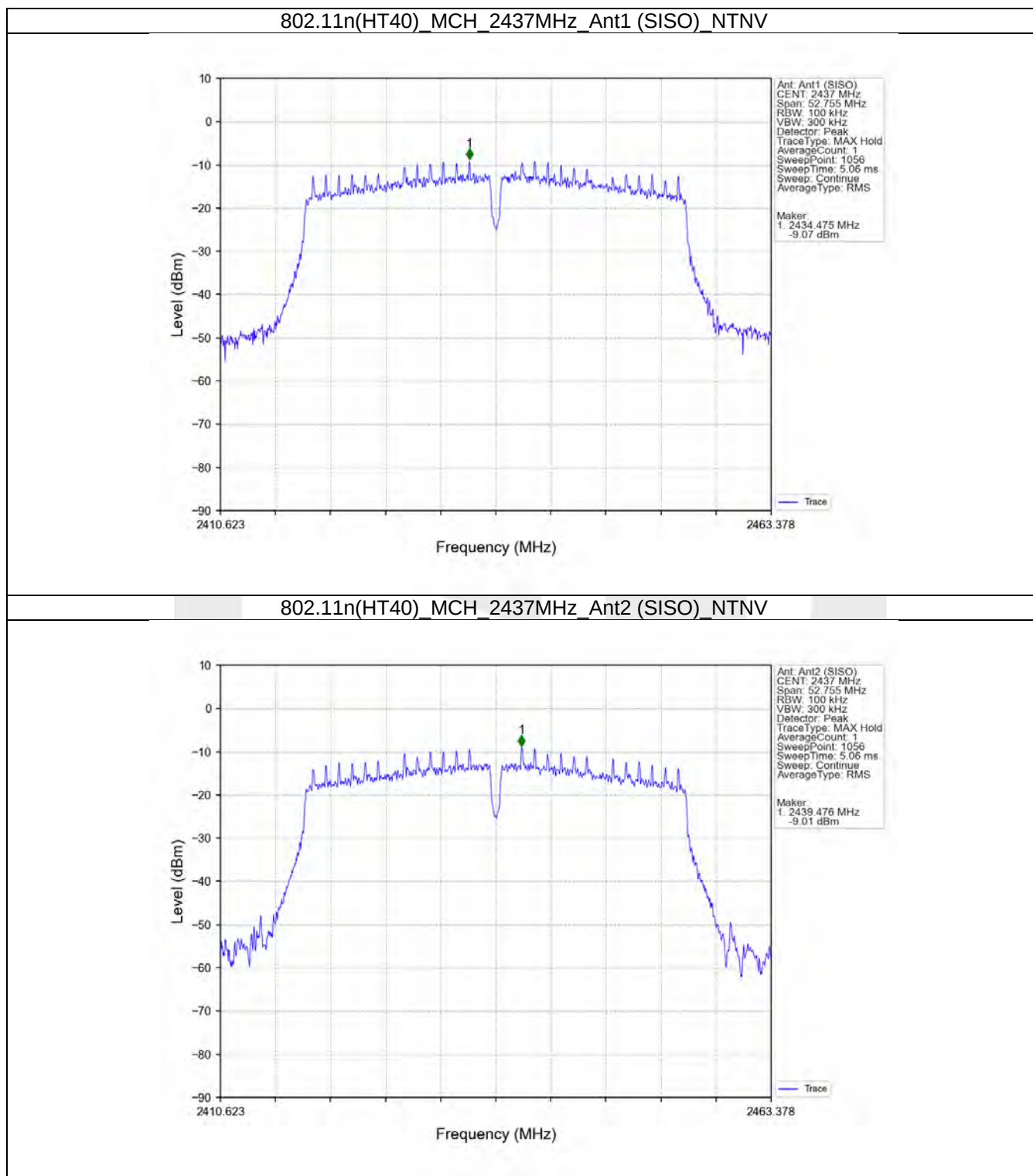


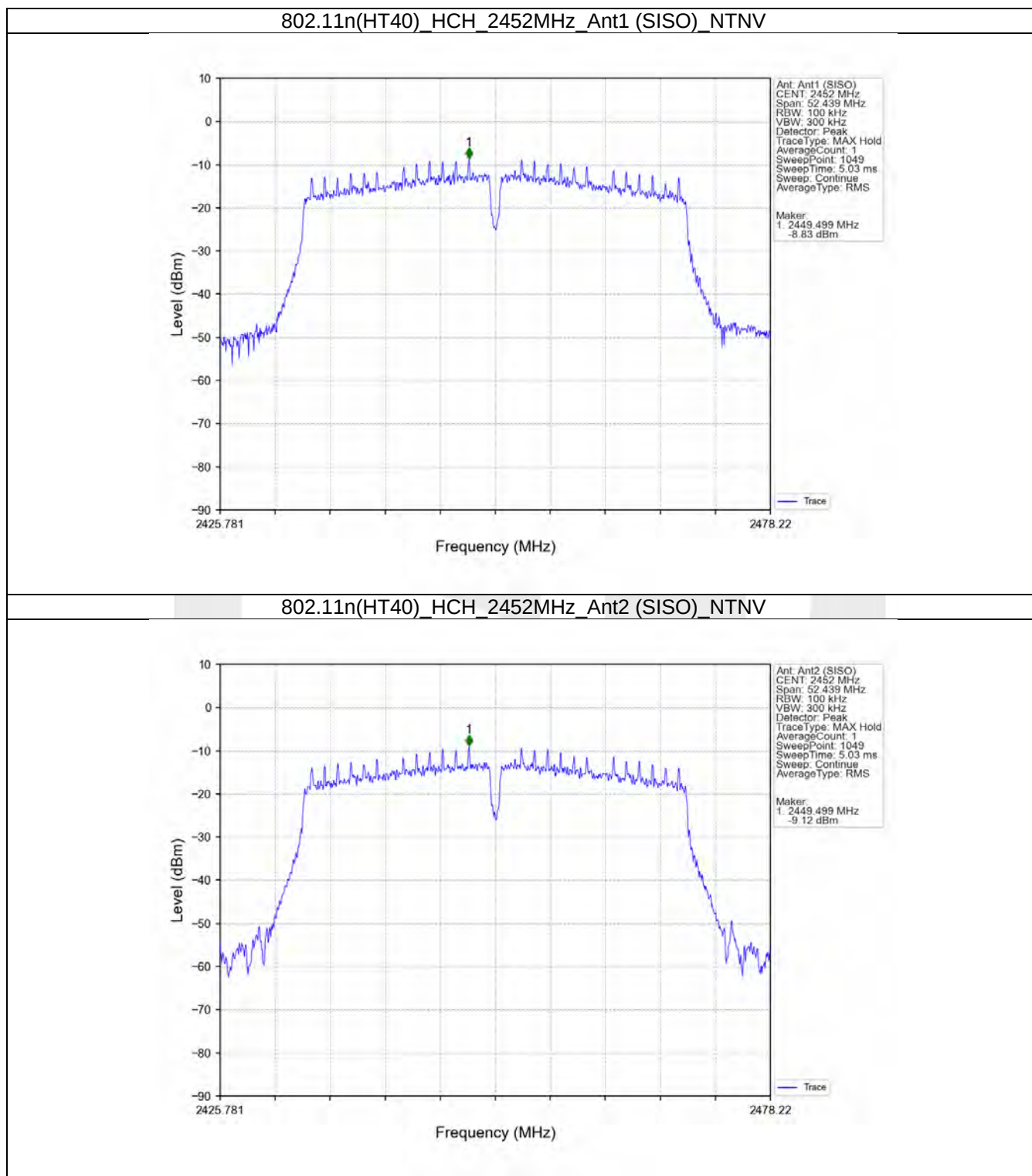
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV







5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

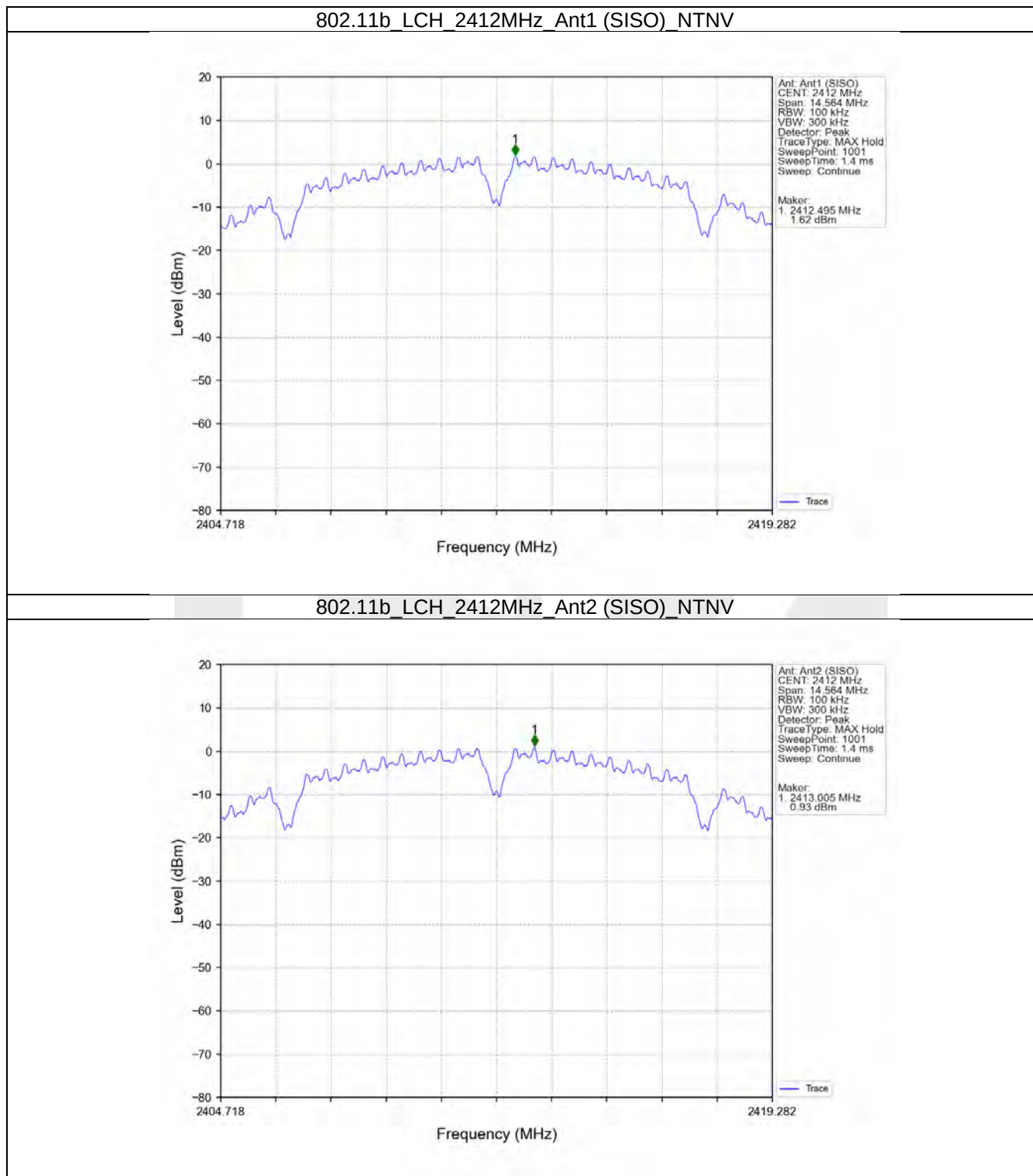
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	1.62
			2	0.93
		2437	1	1.73
			2	0.78
		2462	1	1.34
			2	0.58
802.11g	SISO	2412	1	-5.71
			2	-5.42
		2437	1	-5.77
			2	-5.54
		2462	1	-6.62
			2	-5.98
802.11n (HT20)	SISO	2412	1	-5.01
			2	-11.99
		2437	1	-5.71
			2	-5.61
		2462	1	-6.18
			2	-5.56
802.11n (HT40)	SISO	2422	1	-8.31
			2	-9.01
		2437	1	-8.87
			2	-9.27
		2452	1	-8.89
			2	-9.04
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.				

5.1.2 CSE

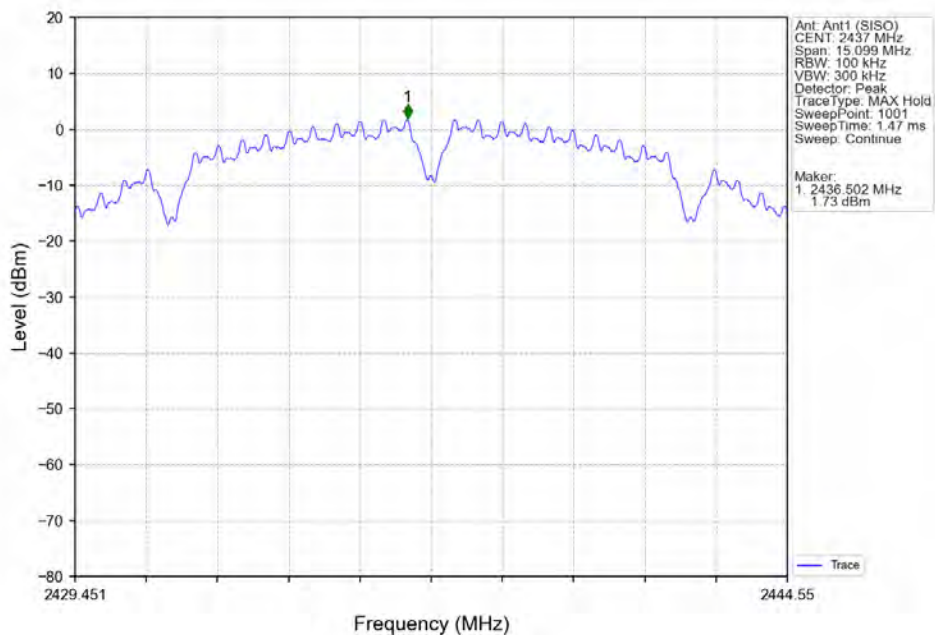
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	1.62	-18.38	Pass
			2	0.93	-19.07	Pass
		2437	1	1.73	-18.27	Pass
			2	0.78	-19.22	Pass
		2462	1	1.34	-18.66	Pass
			2	0.58	-19.42	Pass
802.11g	SISO	2412	1	-5.71	-25.71	Pass
			2	-5.42	-25.42	Pass
		2437	1	-5.77	-25.77	Pass
			2	-5.54	-25.54	Pass
		2462	1	-6.62	-26.62	Pass
			2	-5.98	-25.98	Pass
802.11n (HT20)	SISO	2412	1	-5.01	-25.01	Pass
			2	-11.99	-31.99	Pass
		2437	1	-5.71	-25.71	Pass
			2	-5.61	-25.61	Pass
		2462	1	-6.18	-26.18	Pass
			2	-5.56	-25.56	Pass
802.11n (HT40)	SISO	2422	1	-8.31	-28.31	Pass
			2	-9.01	-29.01	Pass
		2437	1	-8.87	-28.87	Pass
			2	-9.27	-29.27	Pass
		2452	1	-8.89	-28.89	Pass
			2	-9.04	-29.04	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						

5.2 Test Graph

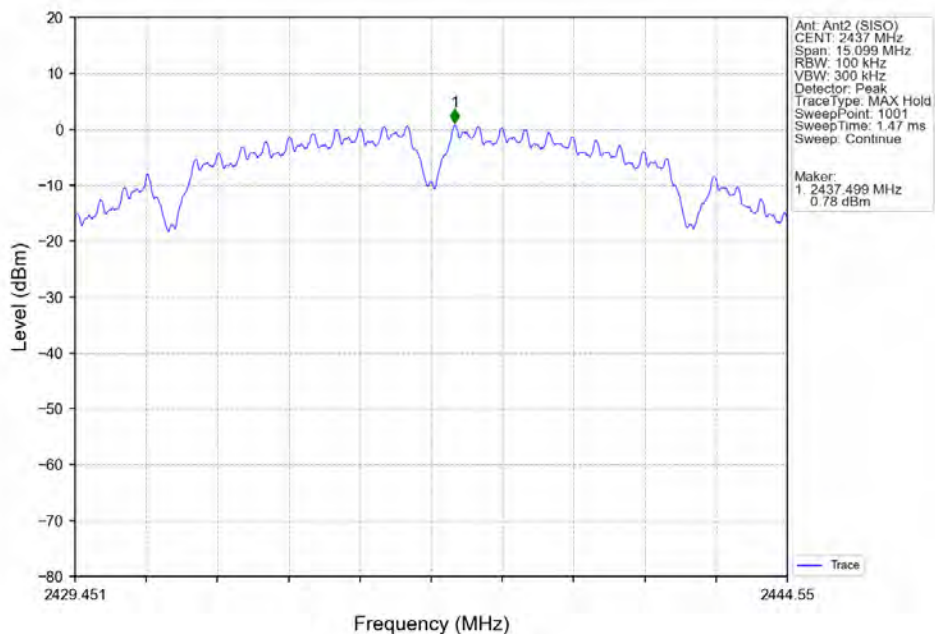
5.2.1 Ref

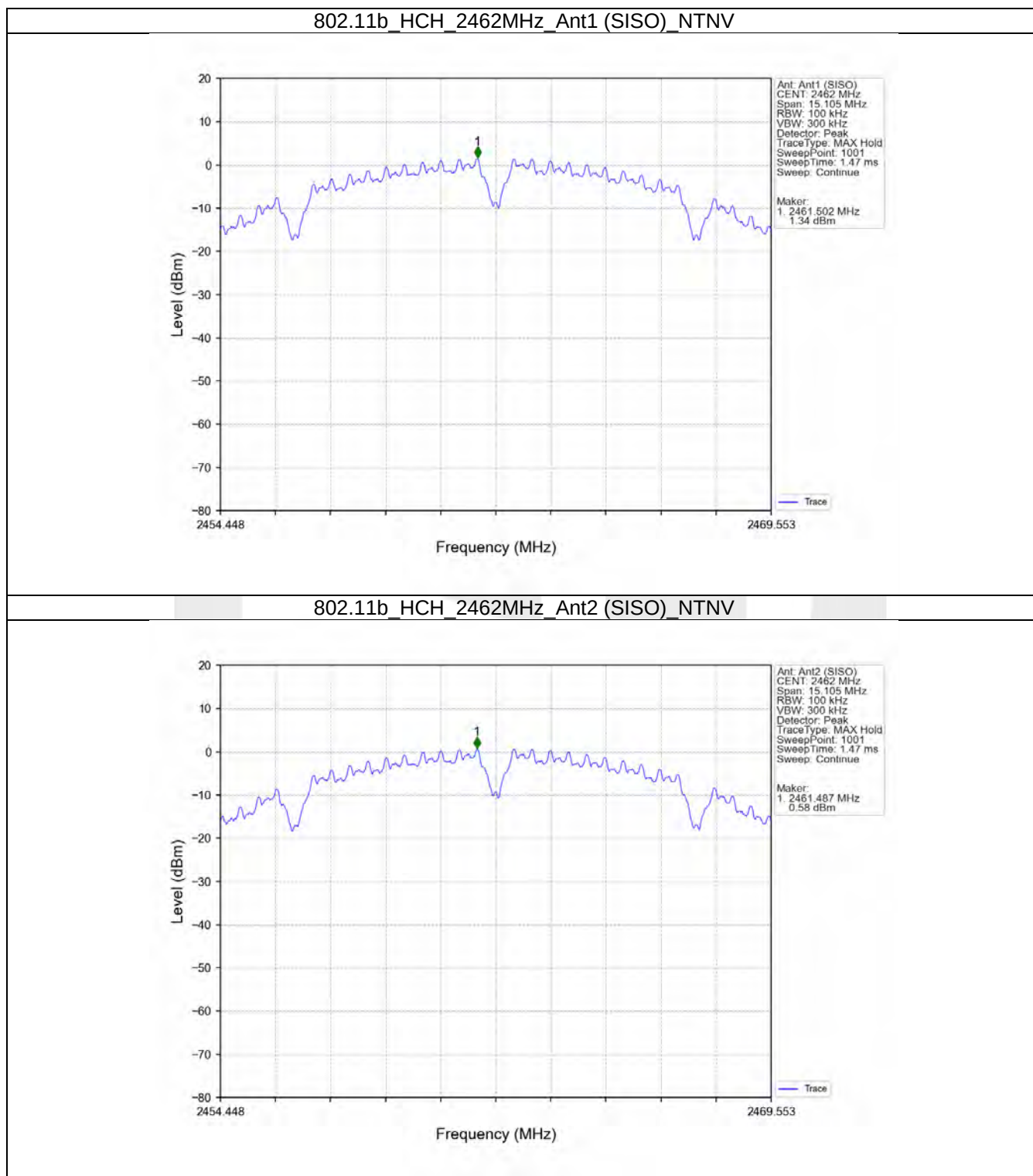


802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV

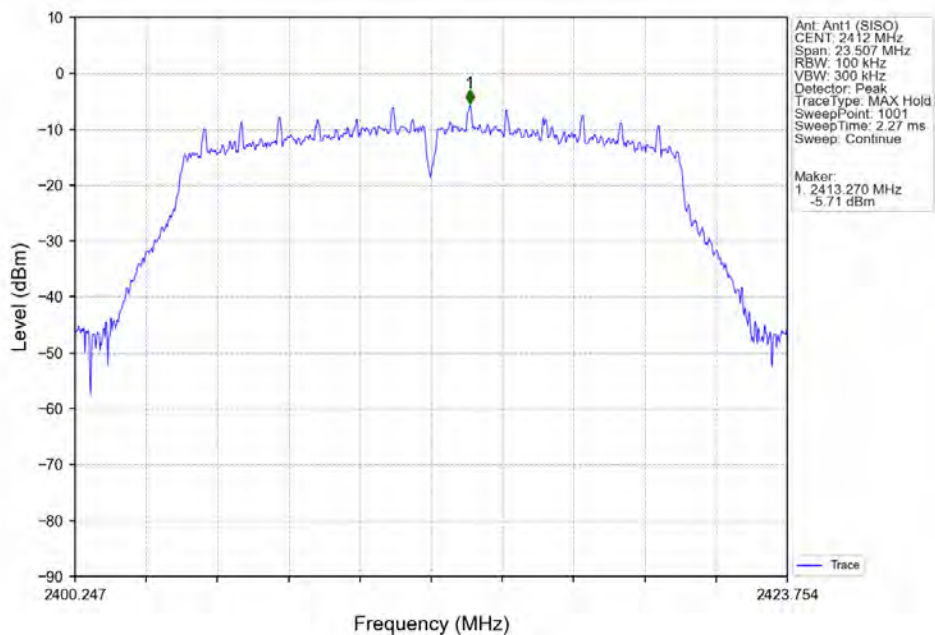


802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV

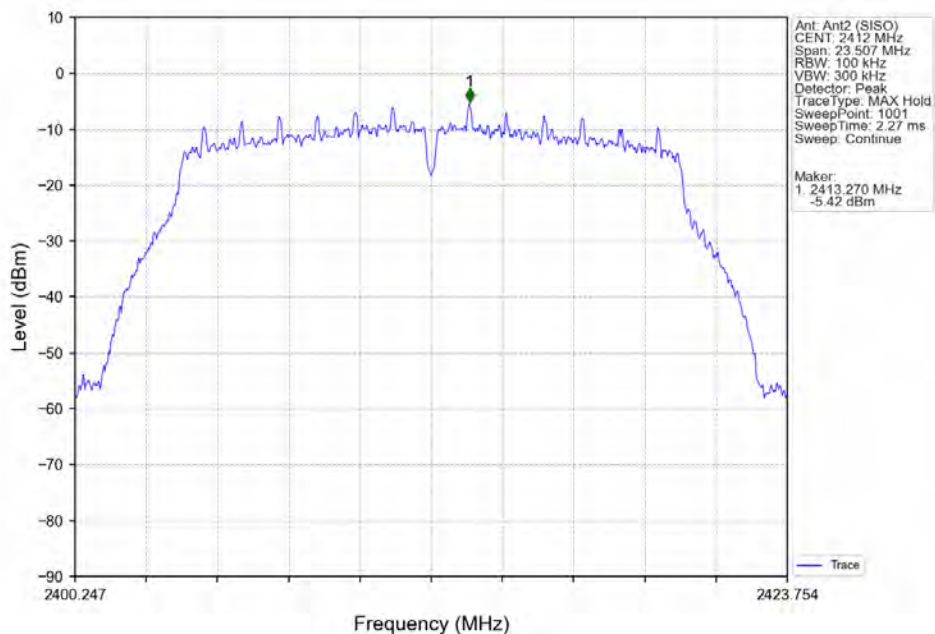


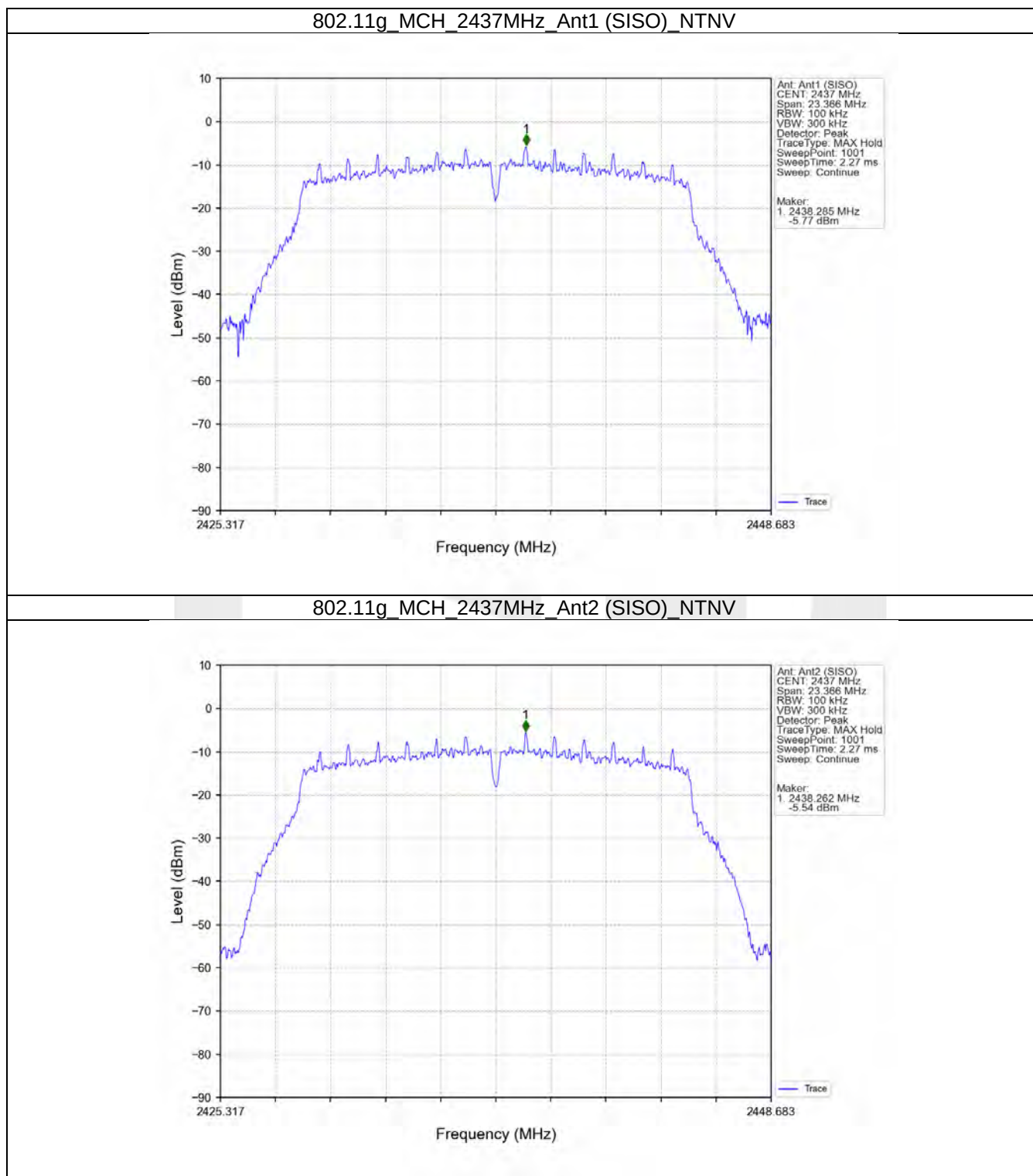


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

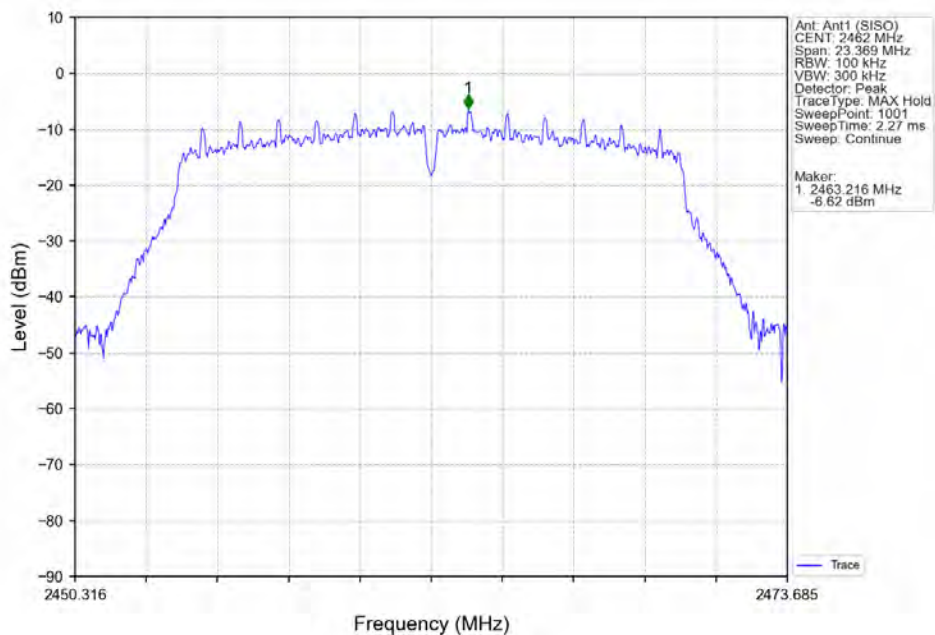


802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV

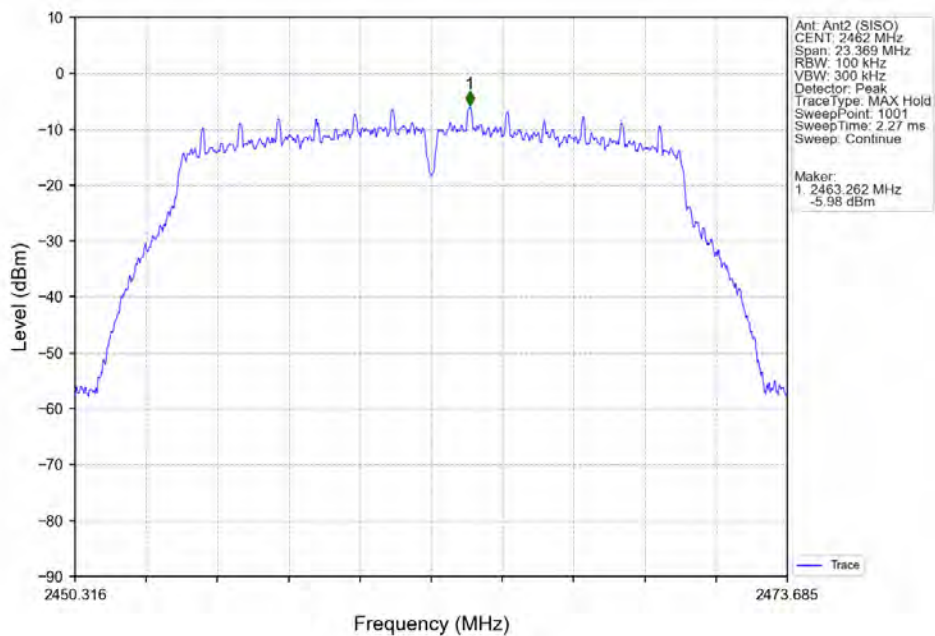




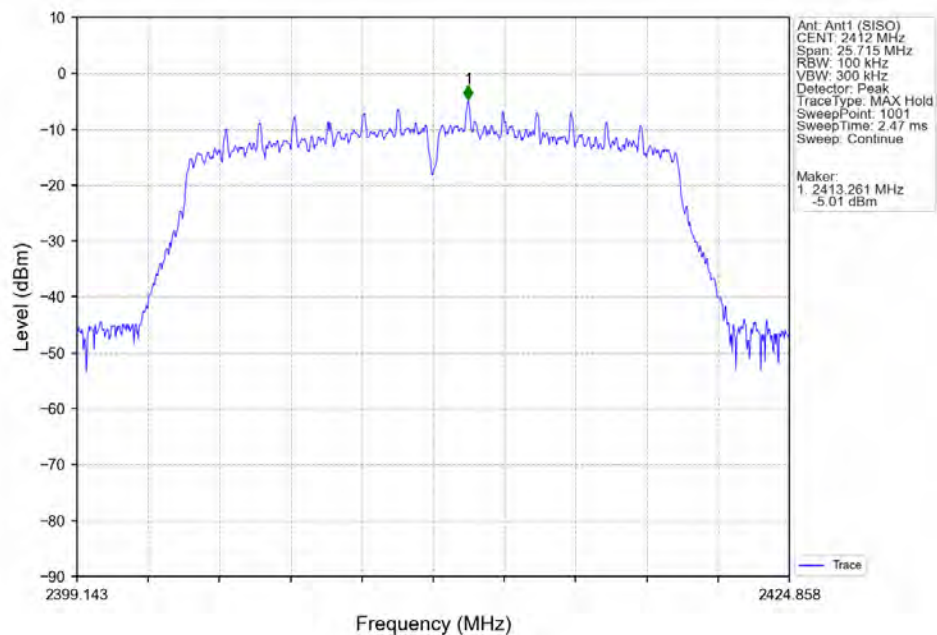
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



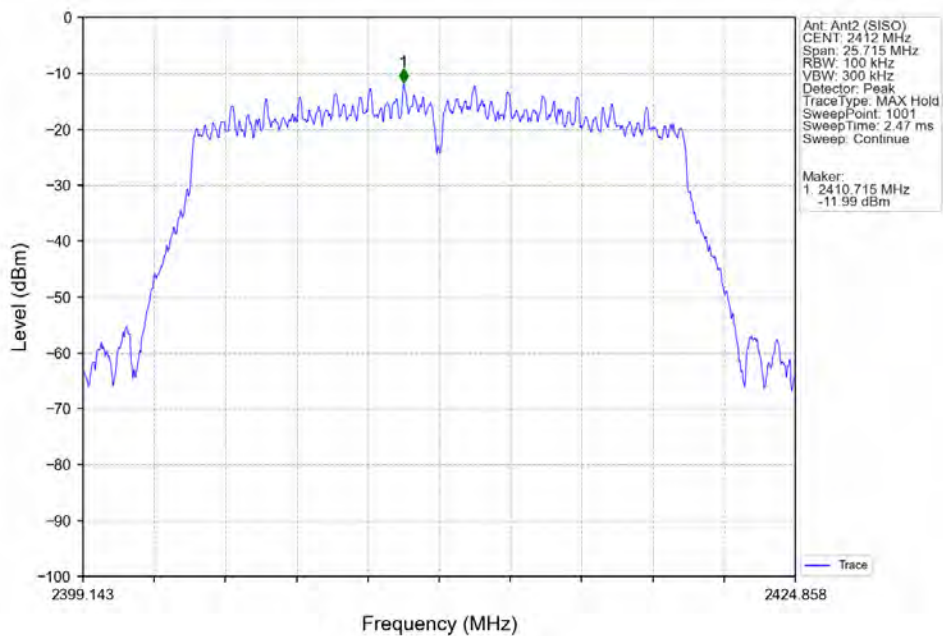
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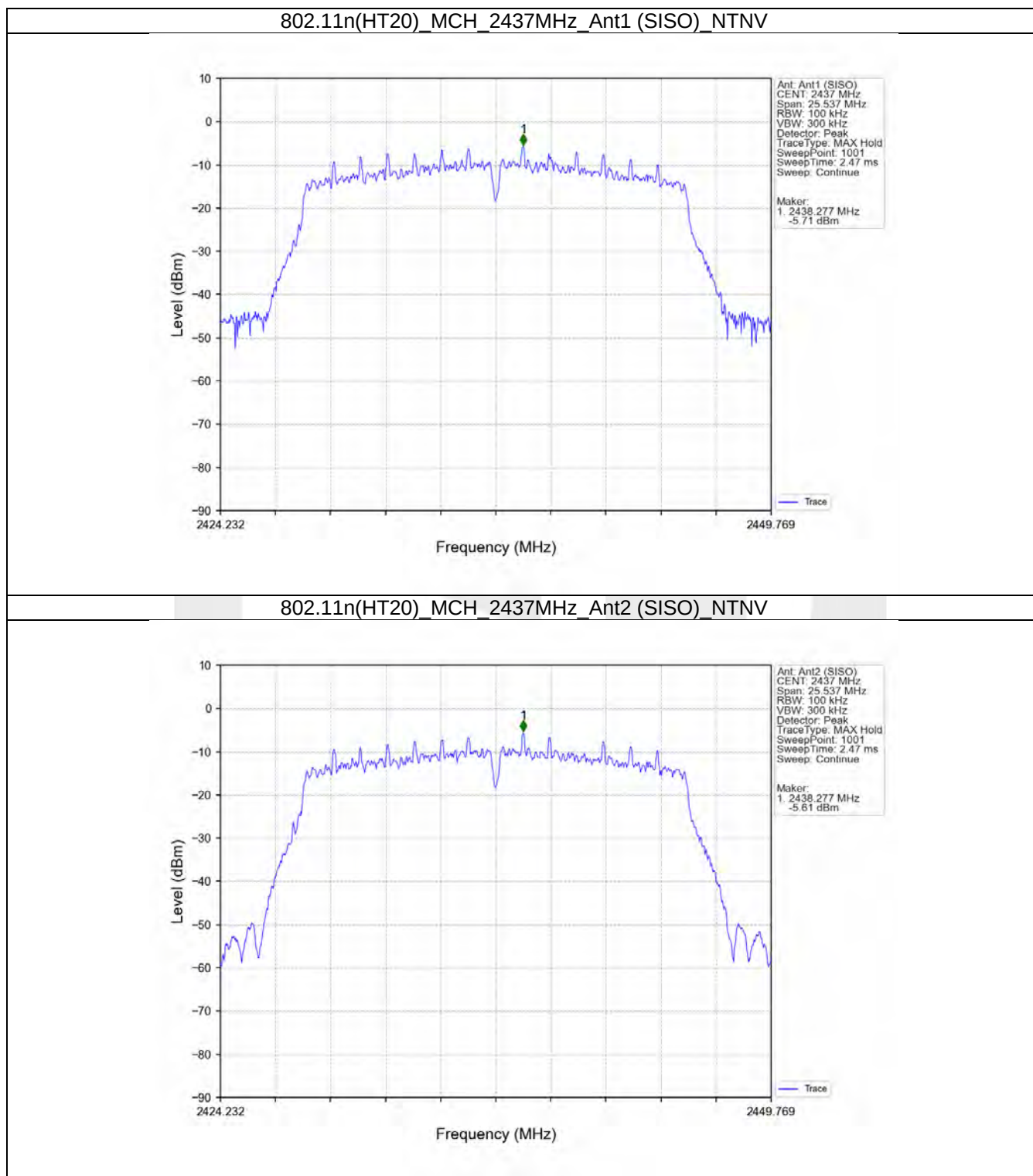


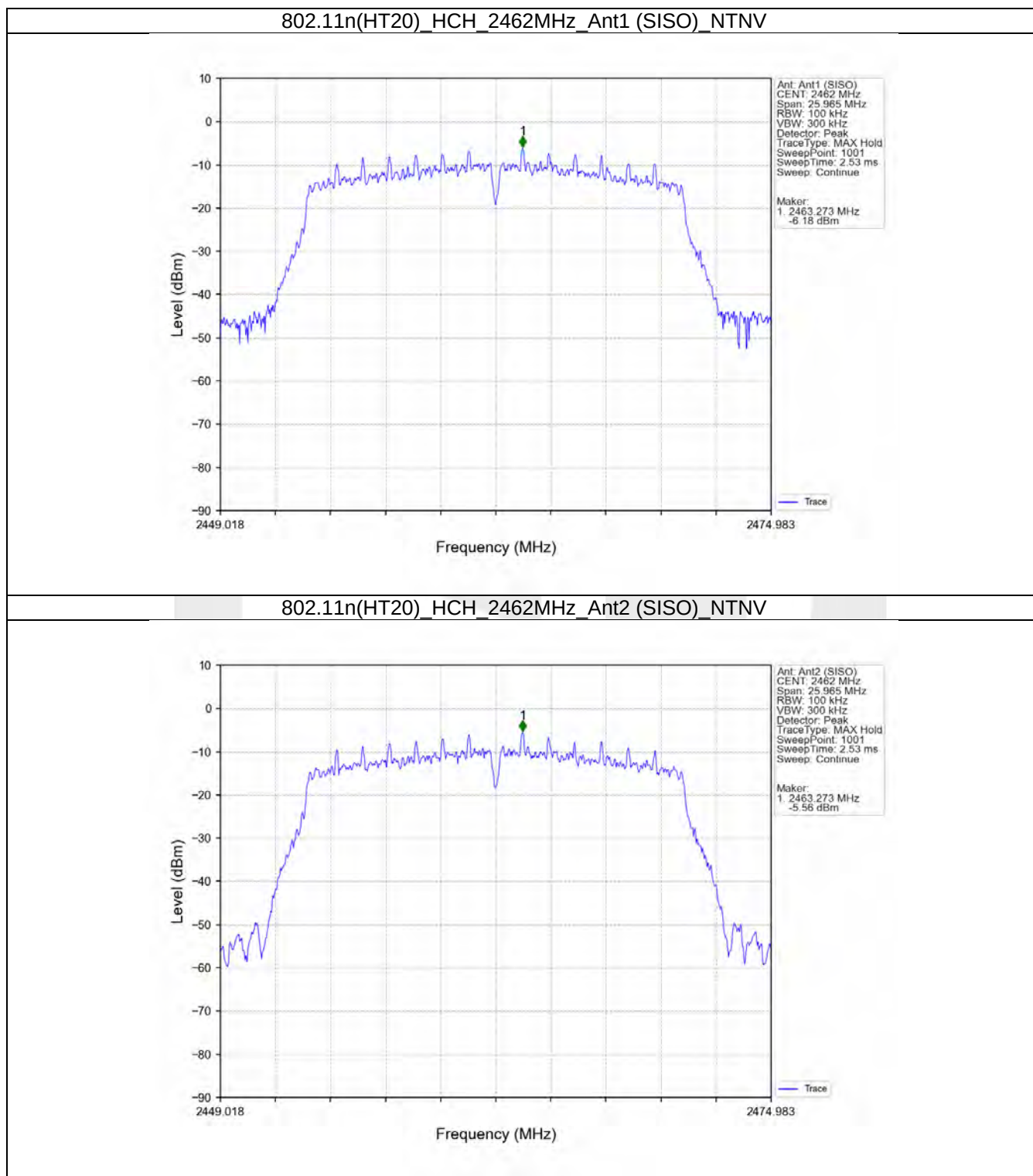
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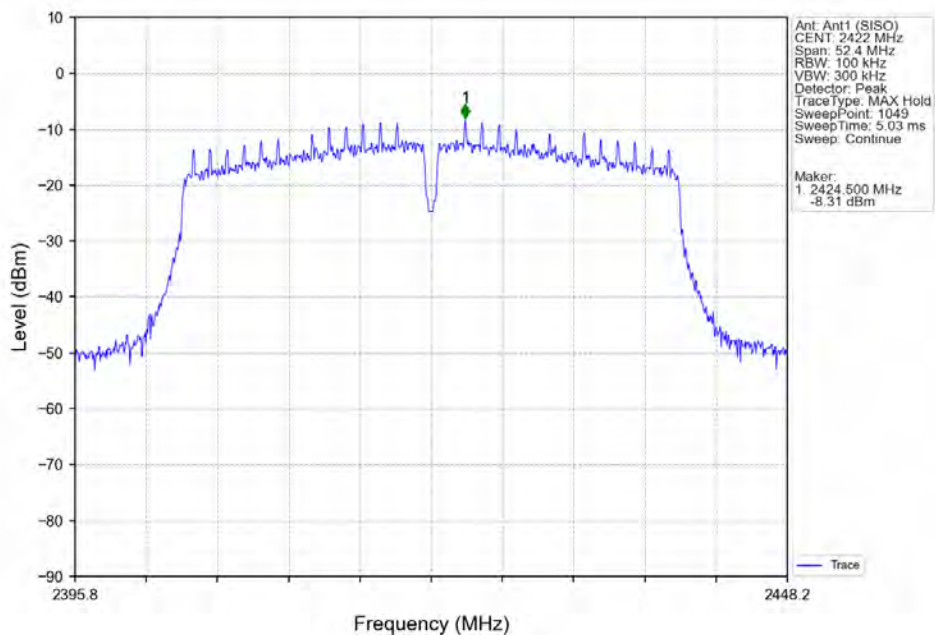
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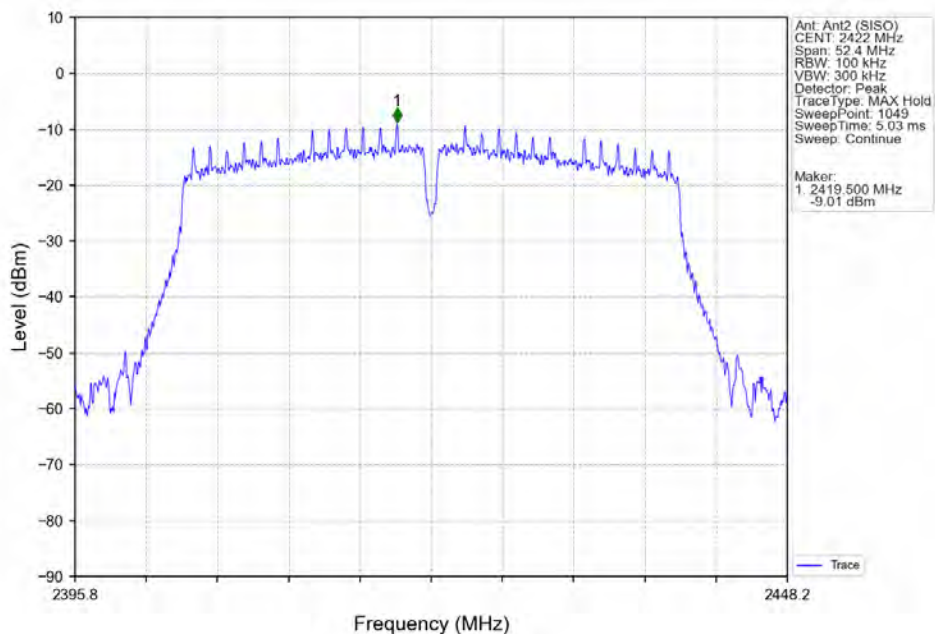


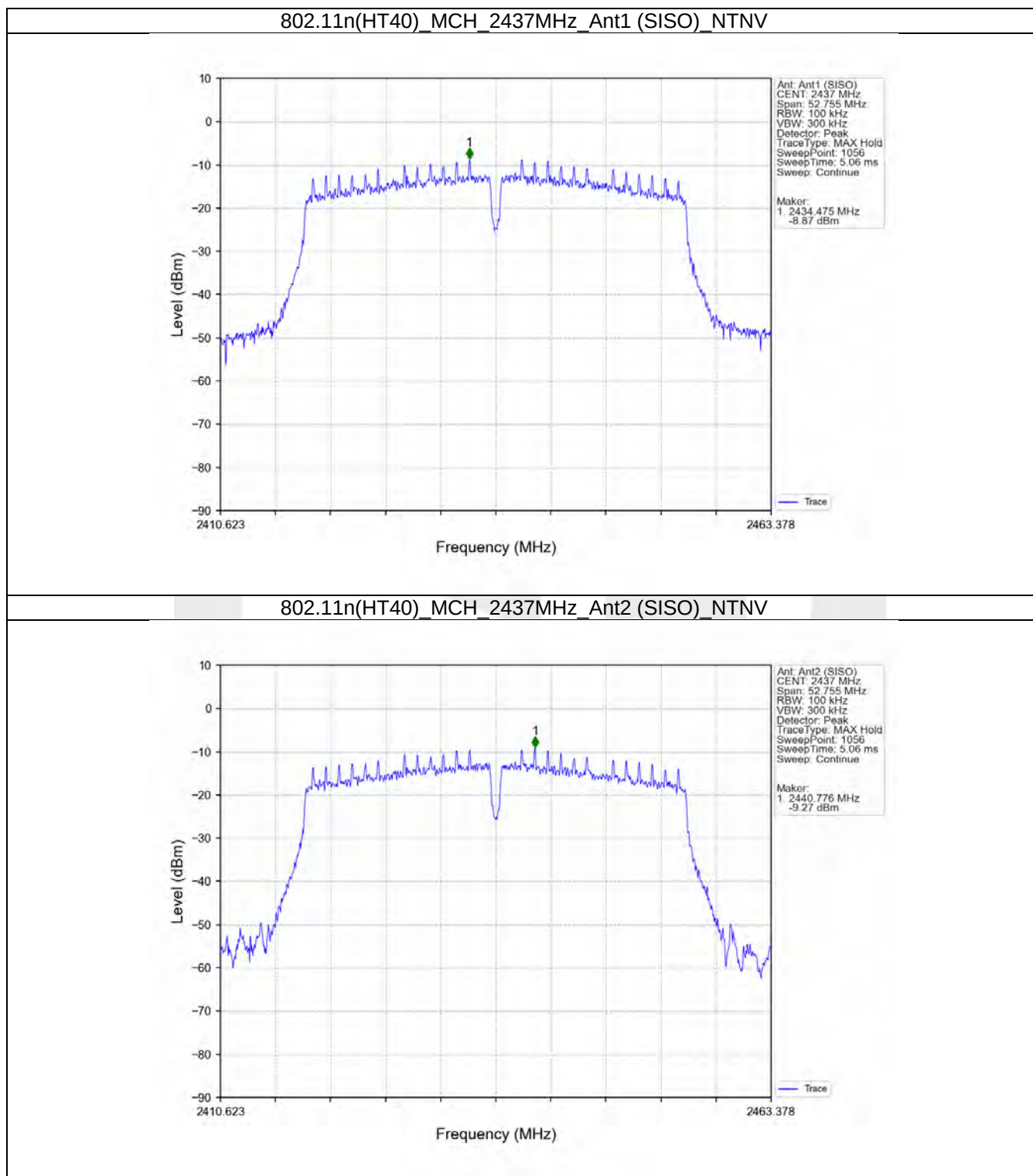


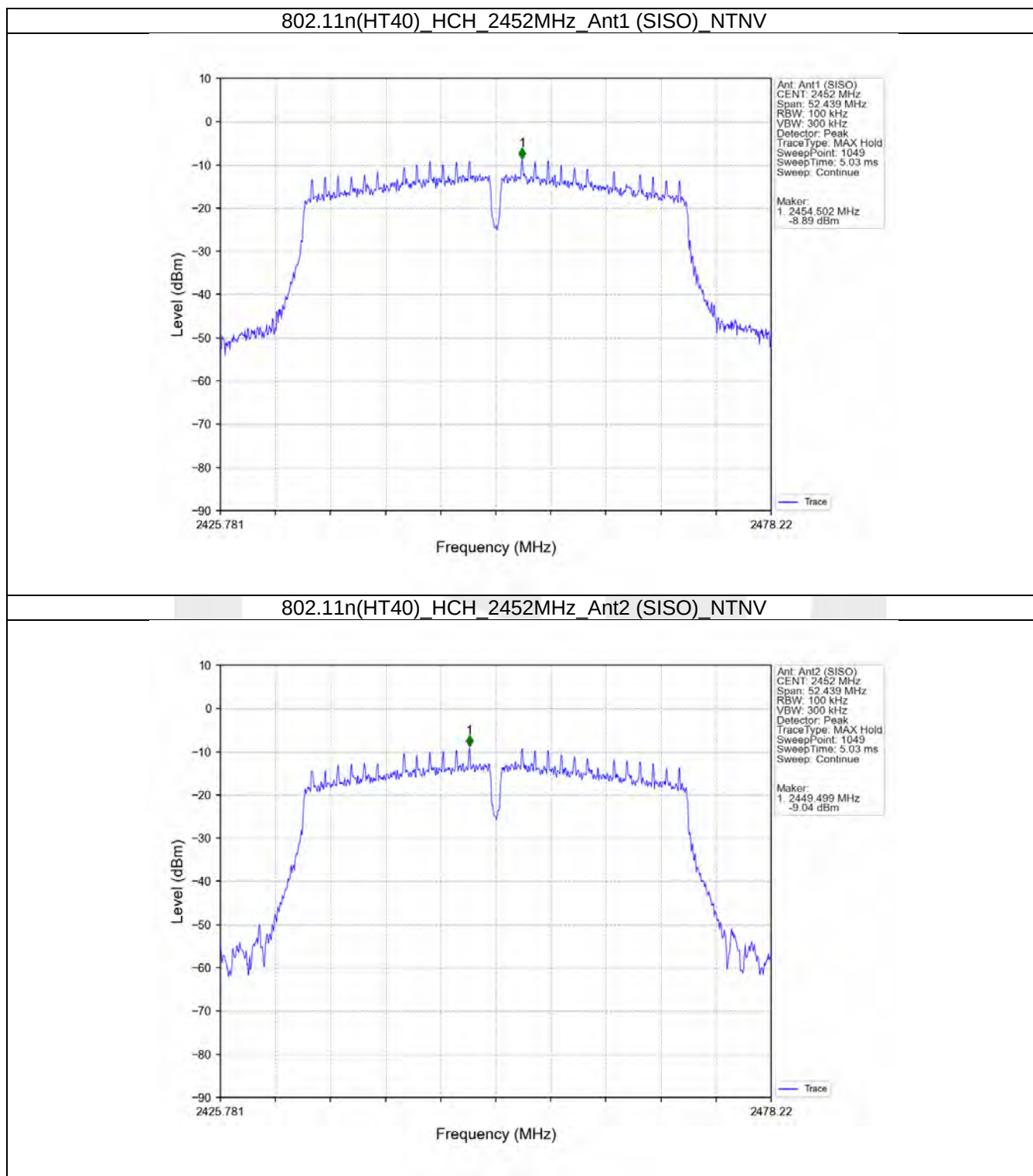
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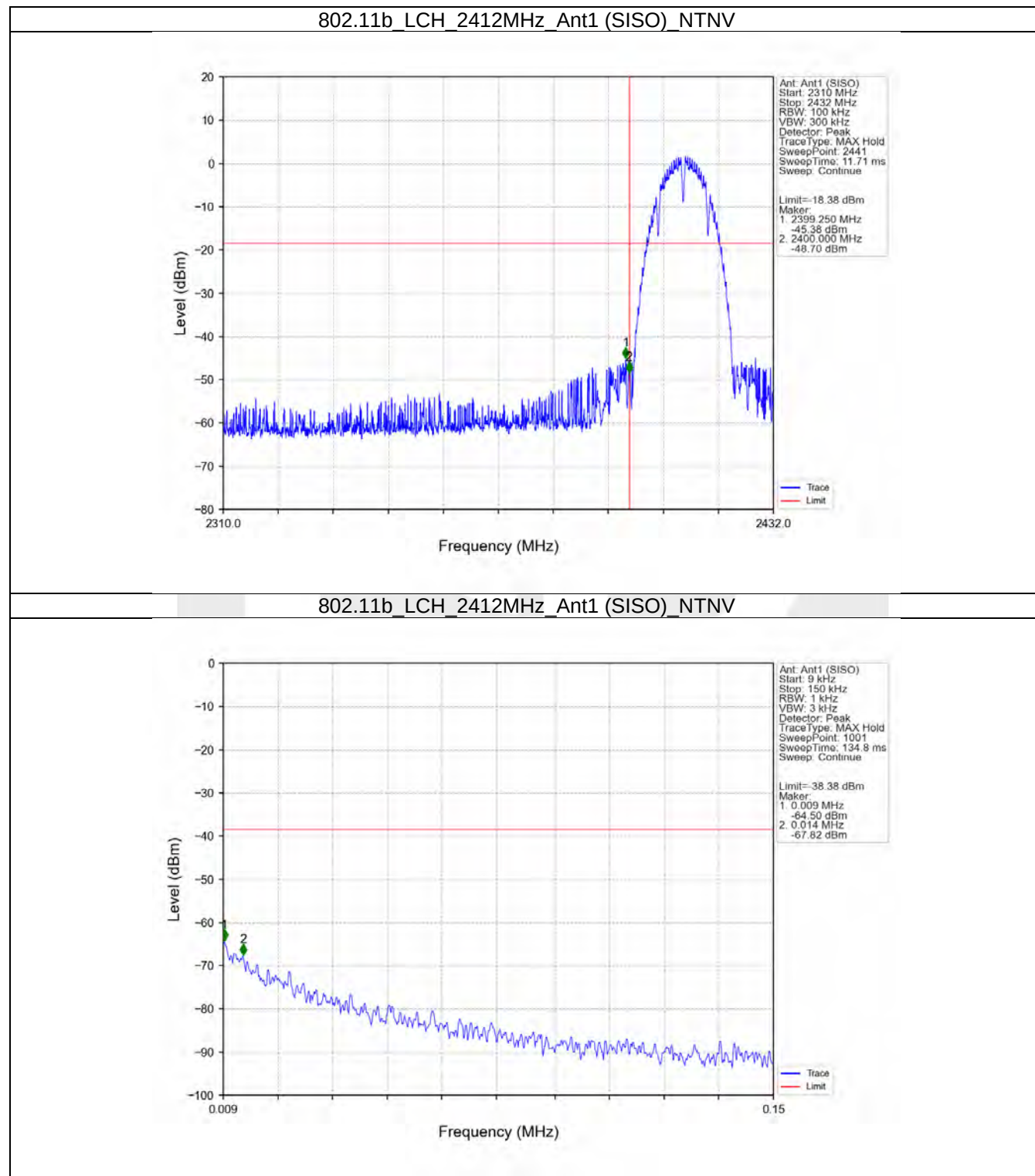
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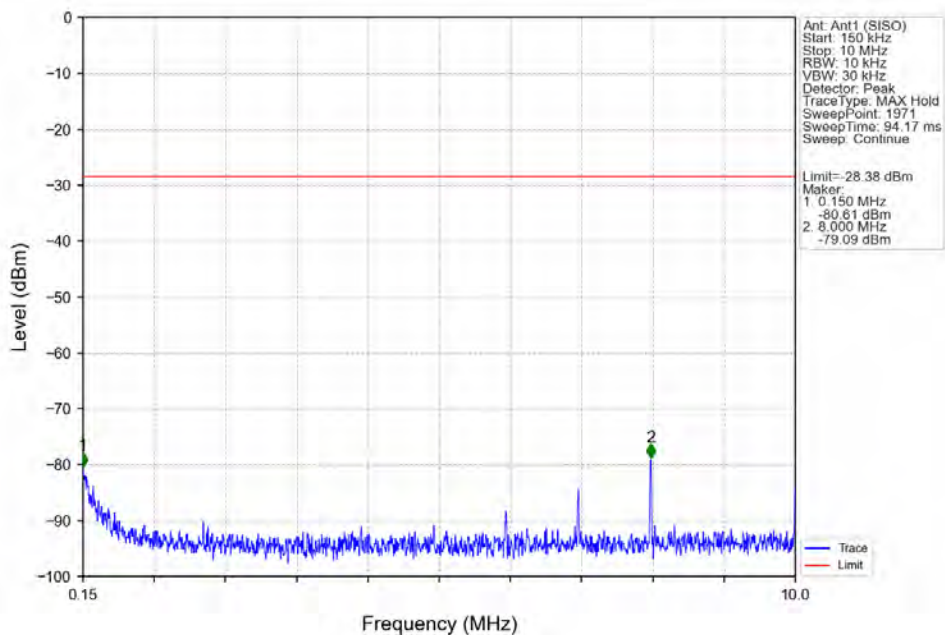




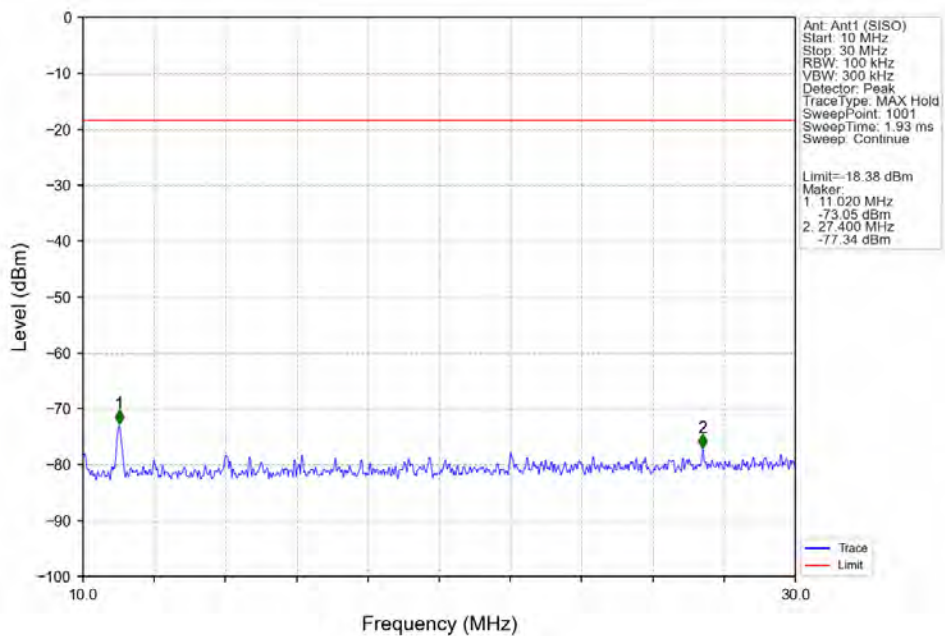
5.2.2 CSE



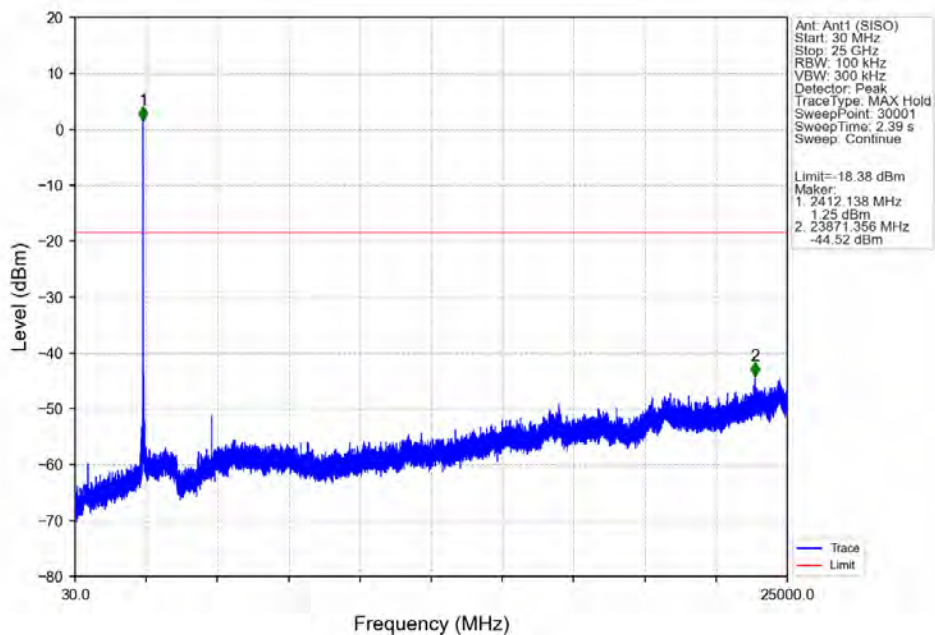
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



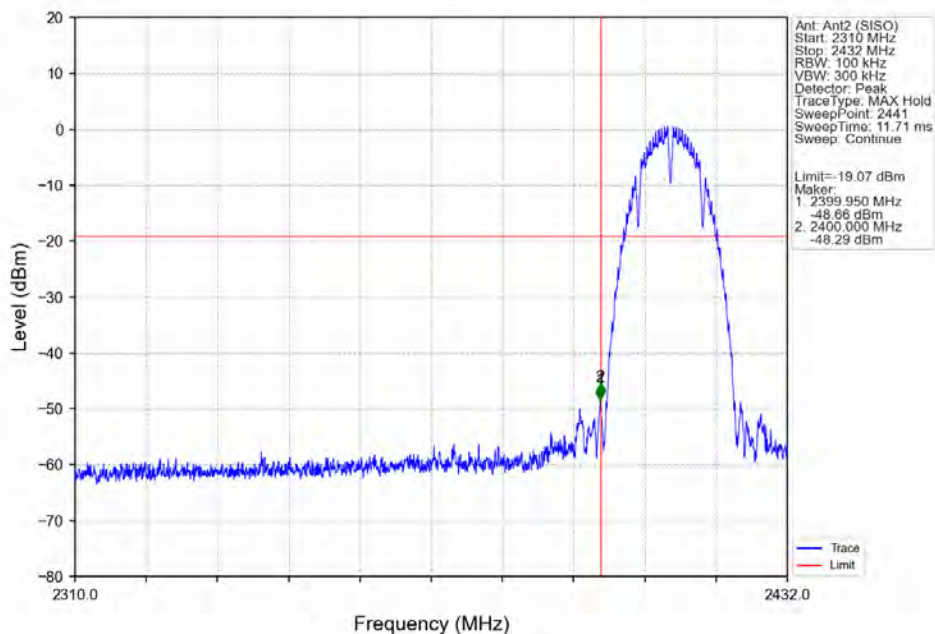
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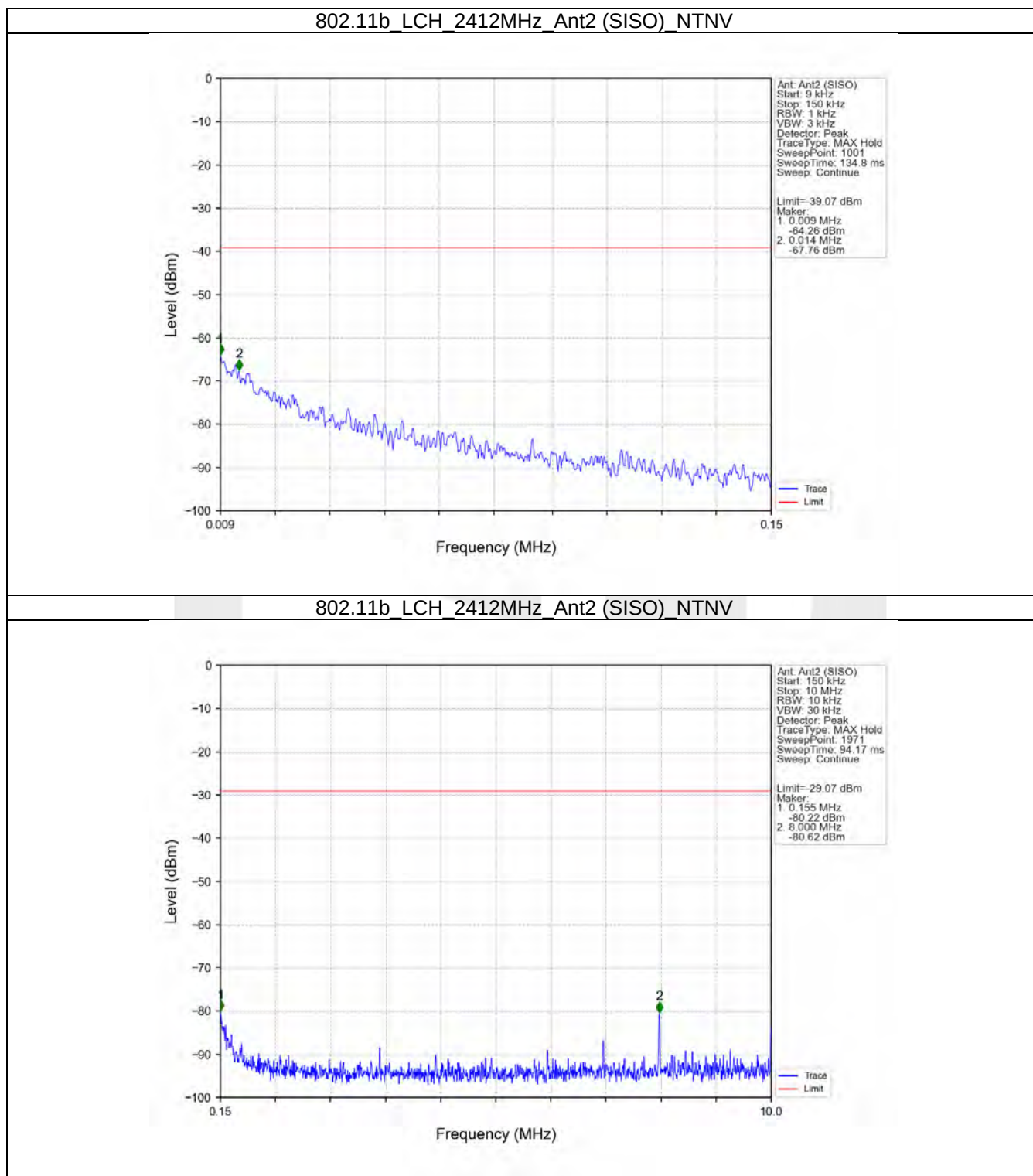


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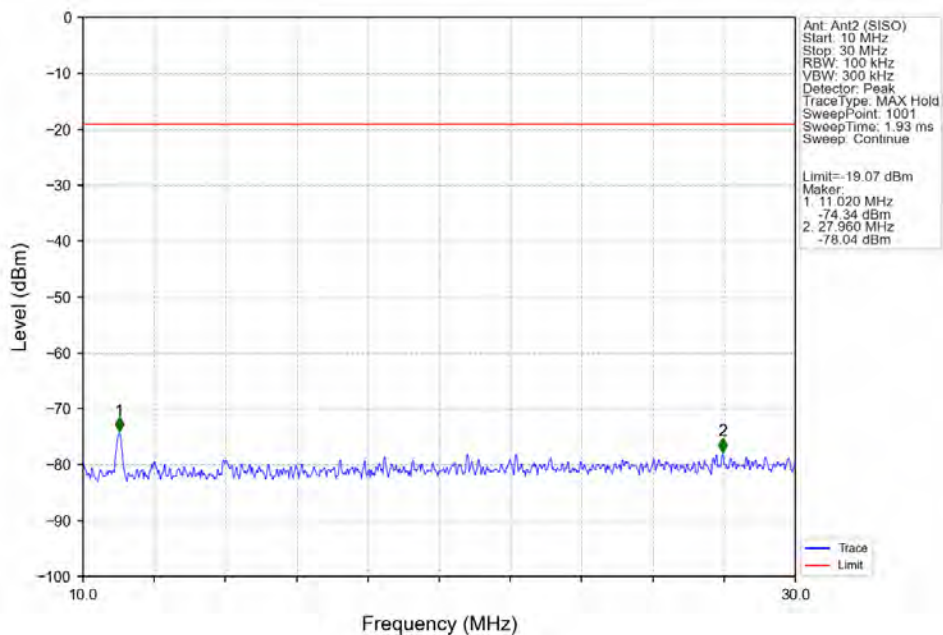


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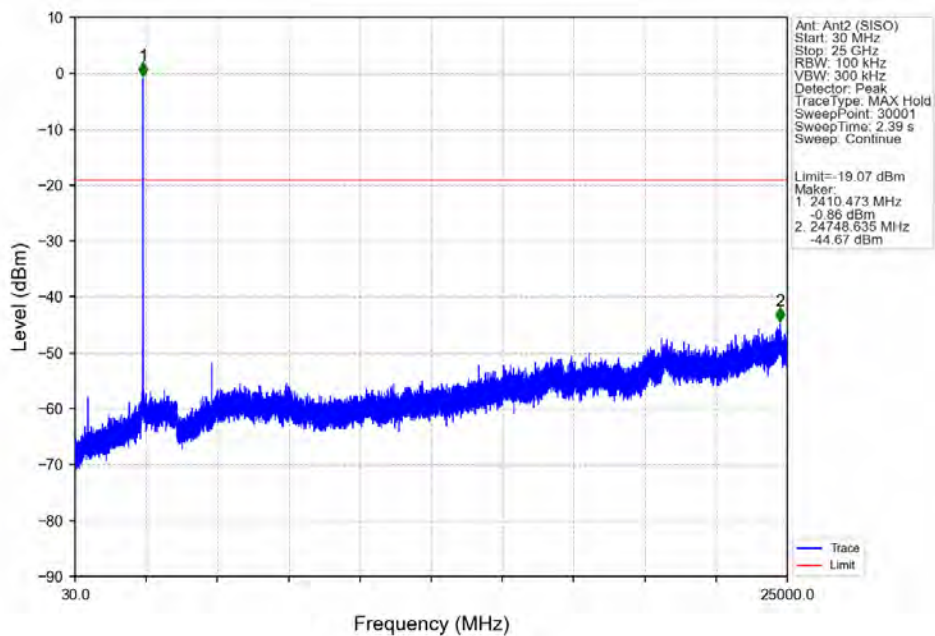




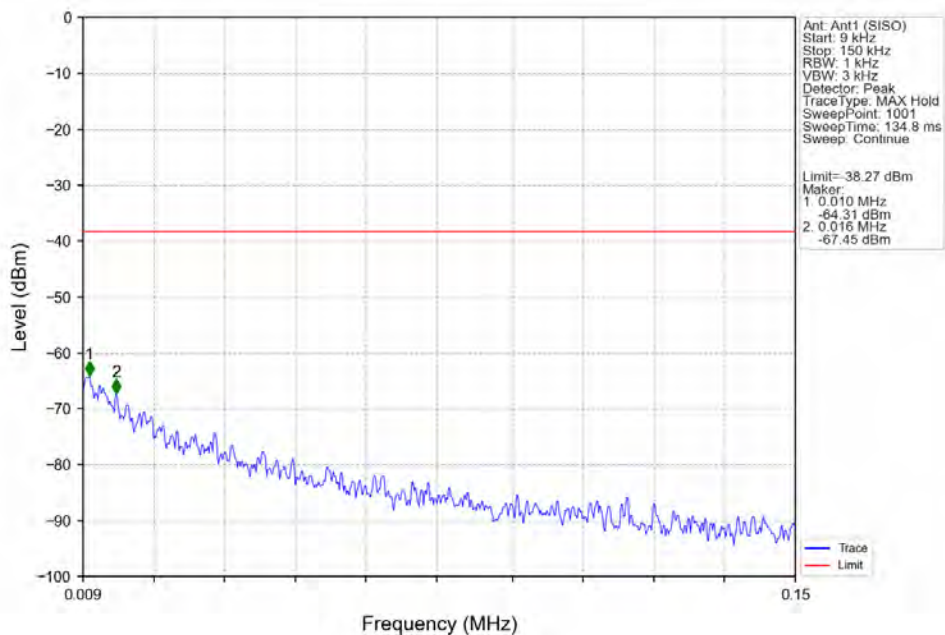
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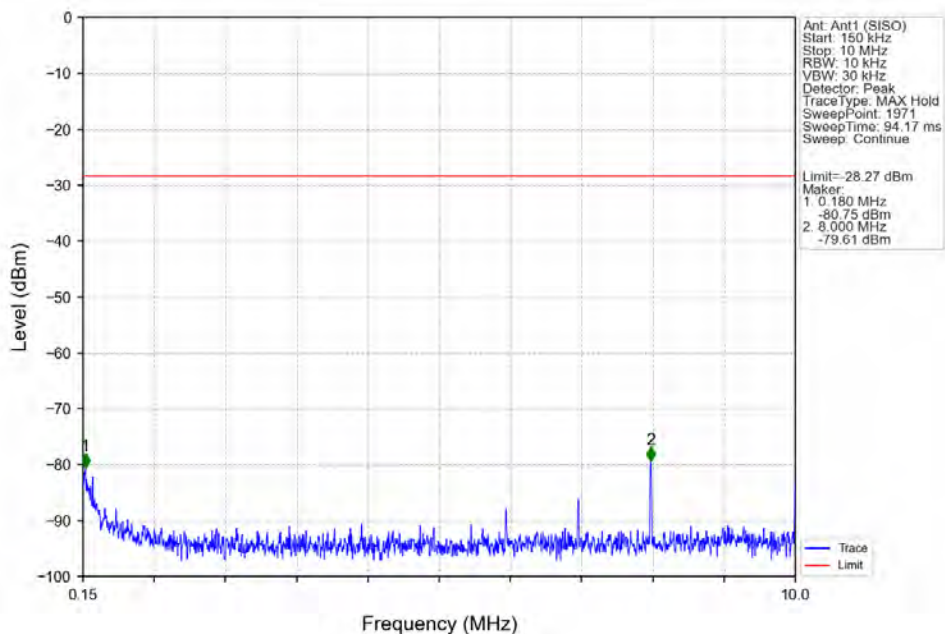
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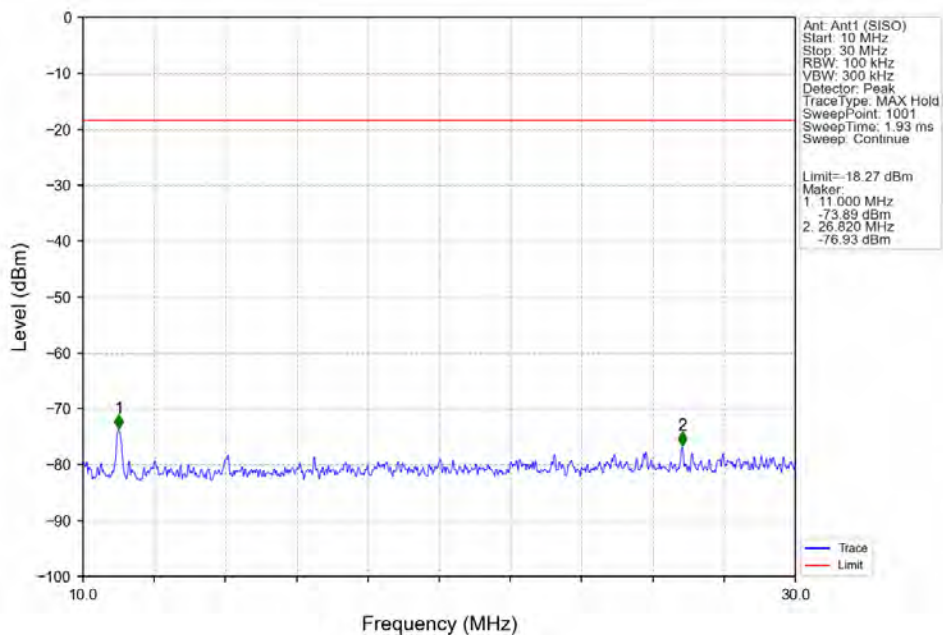
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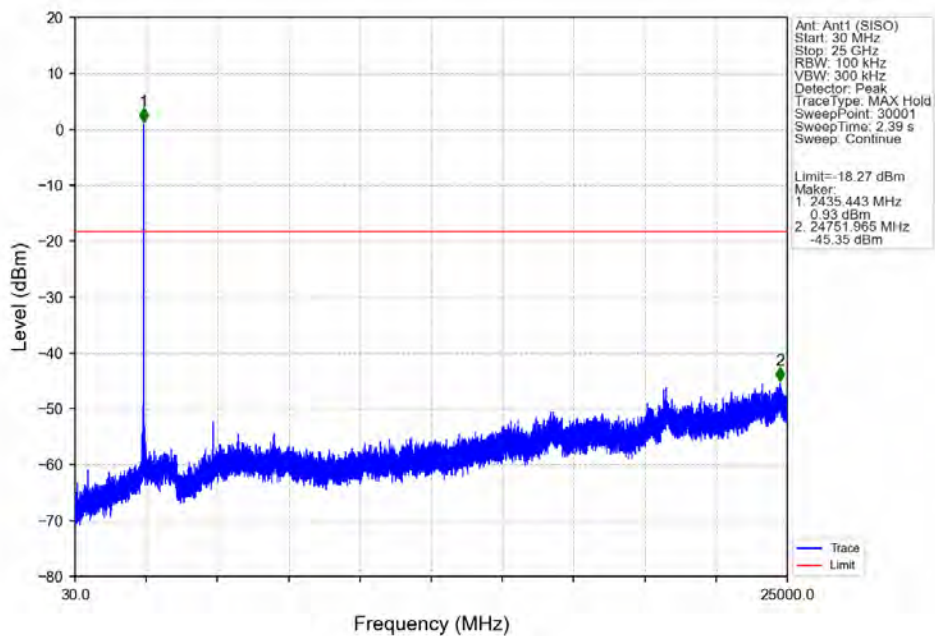
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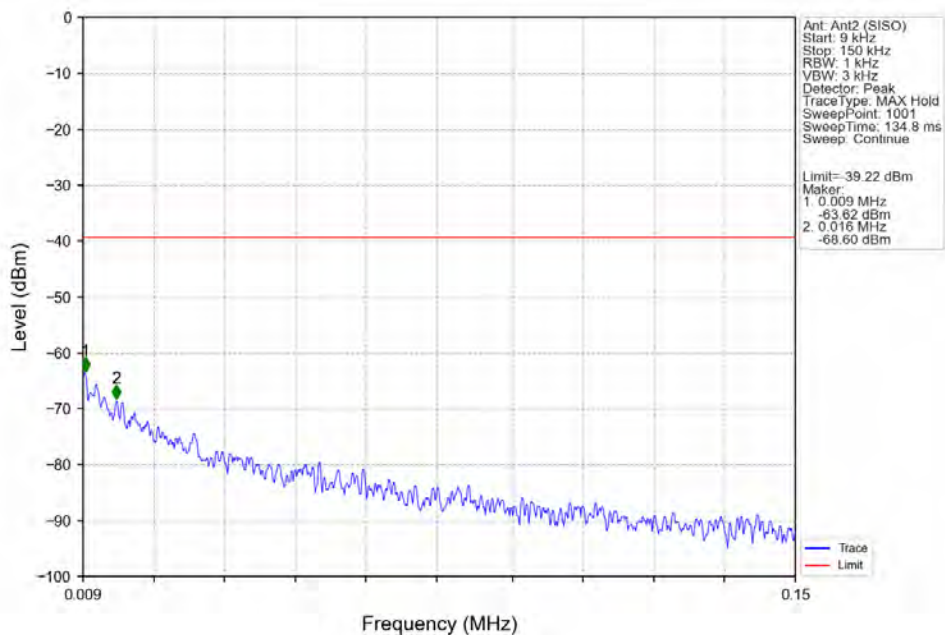
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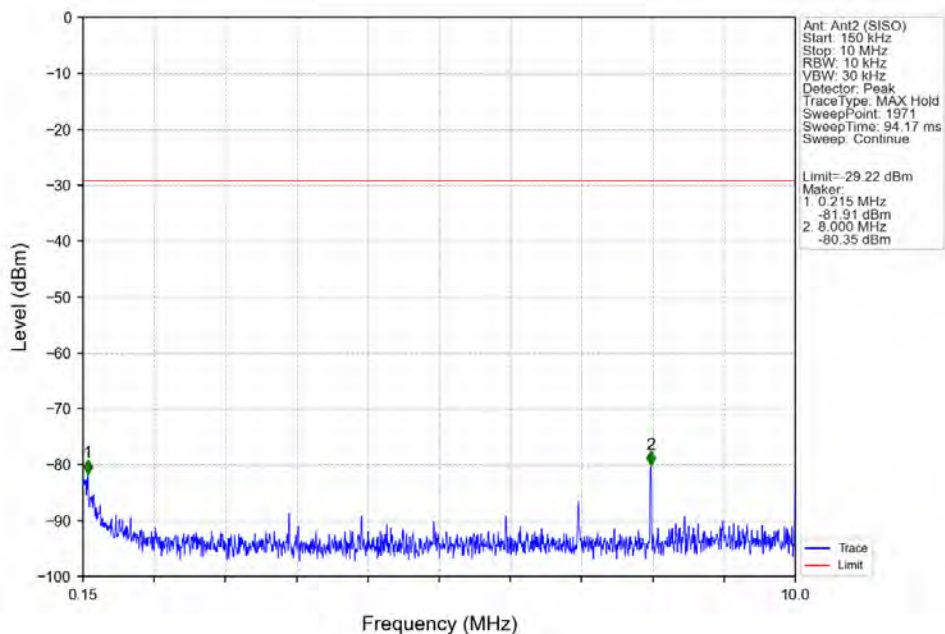
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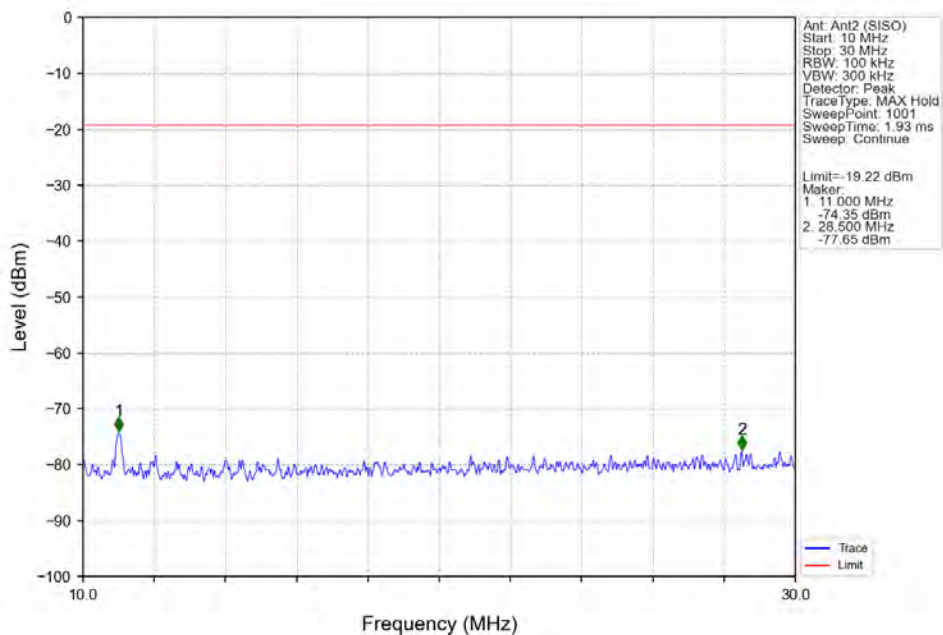
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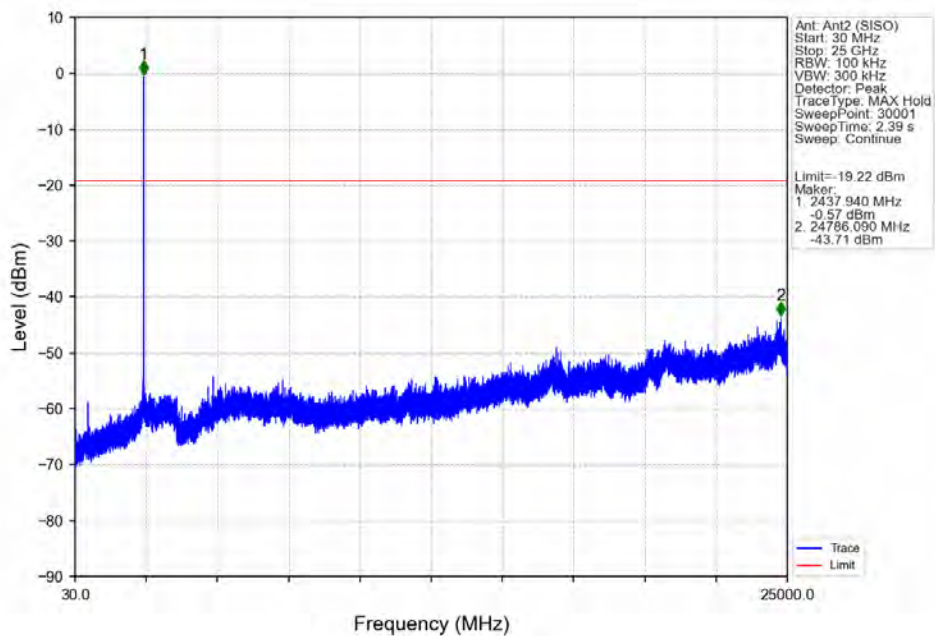
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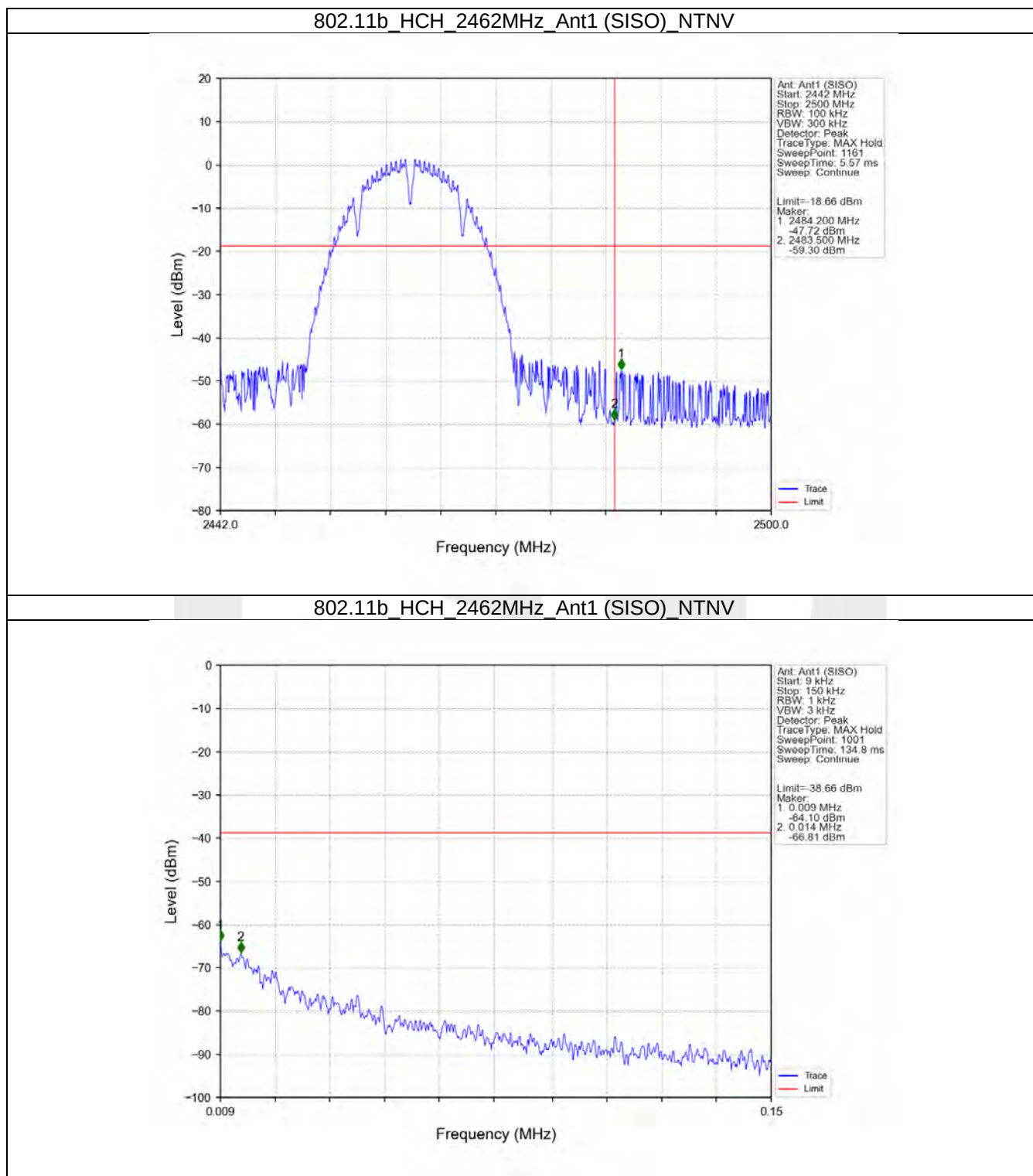


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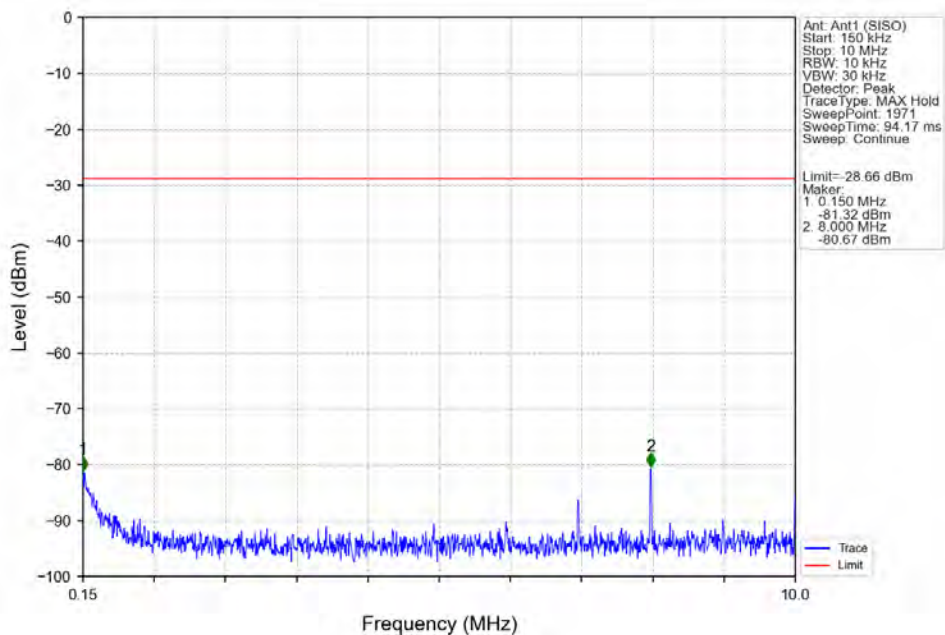


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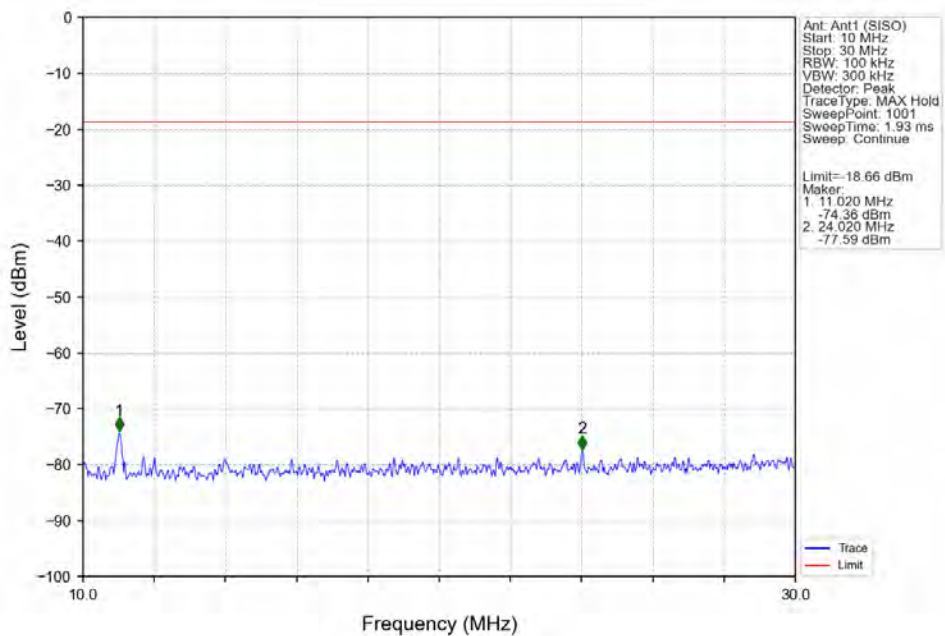




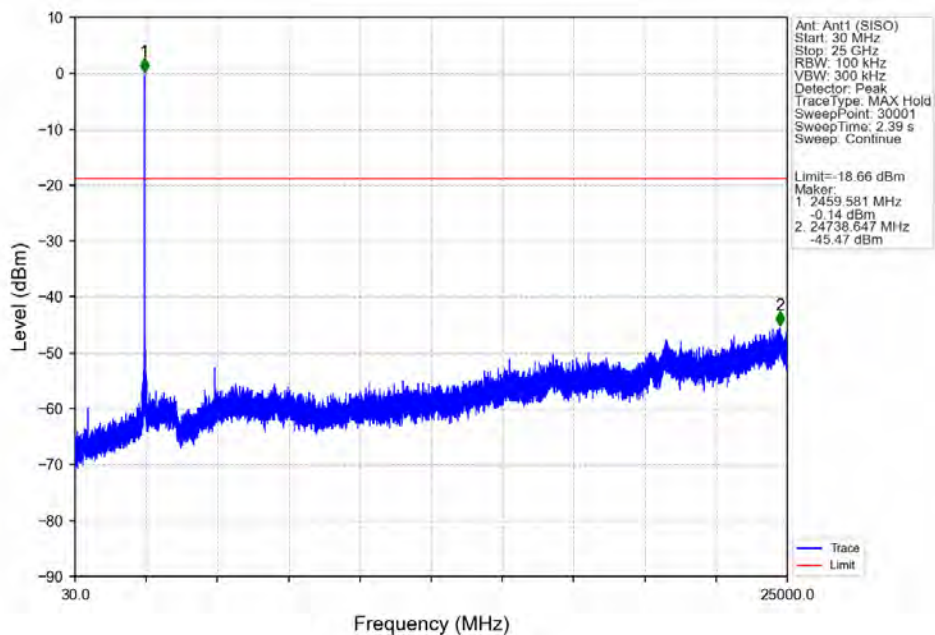
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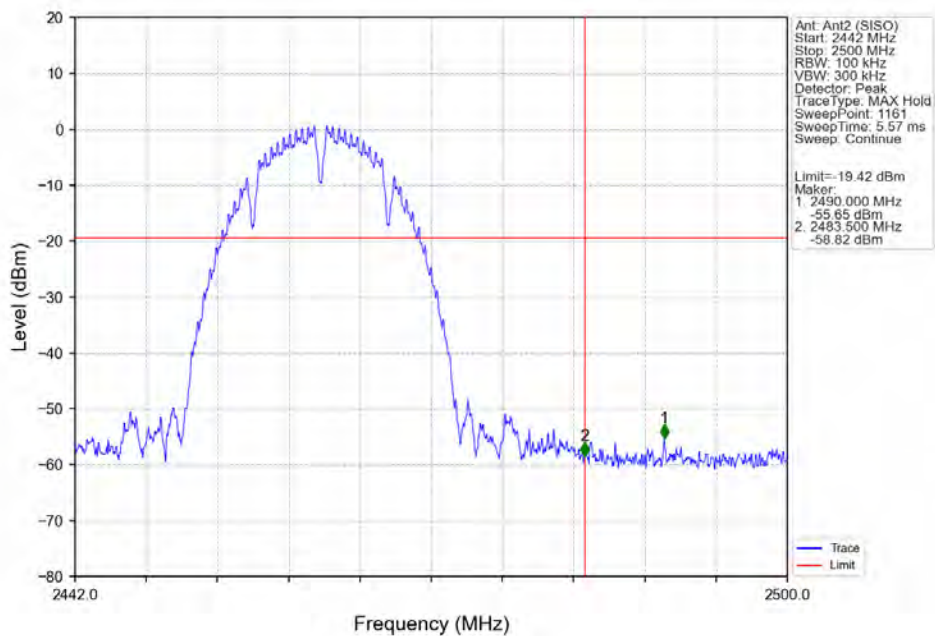
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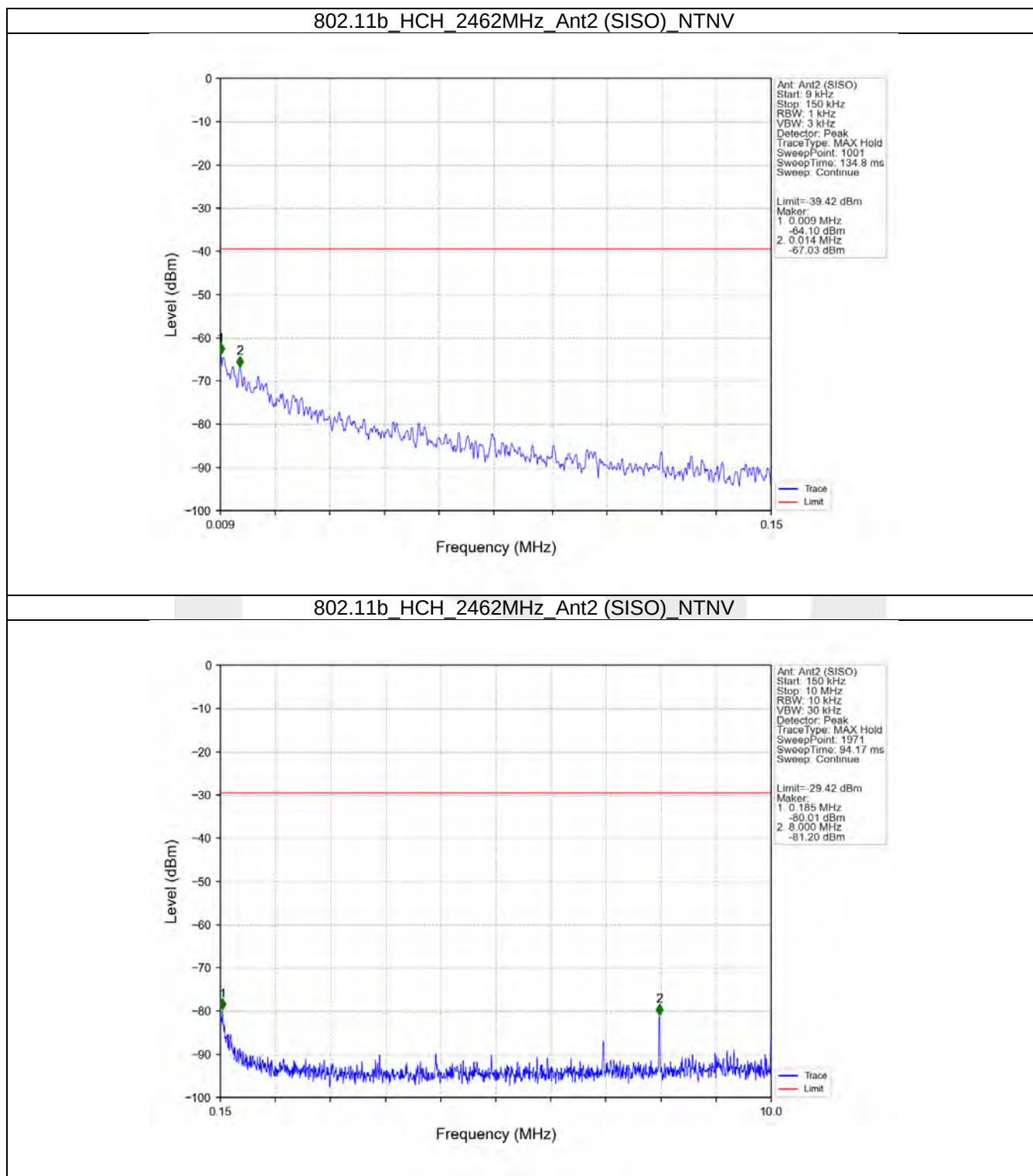


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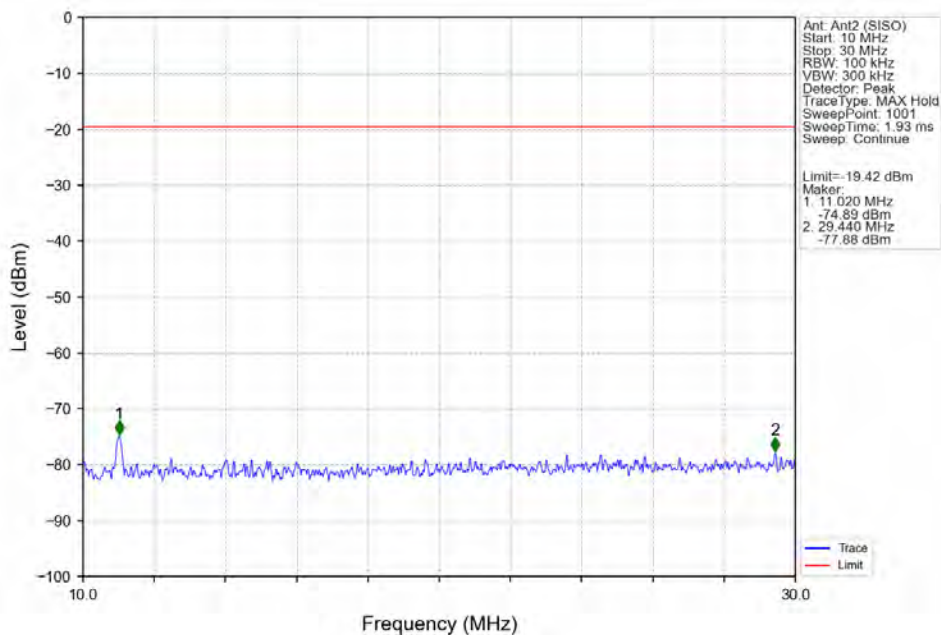


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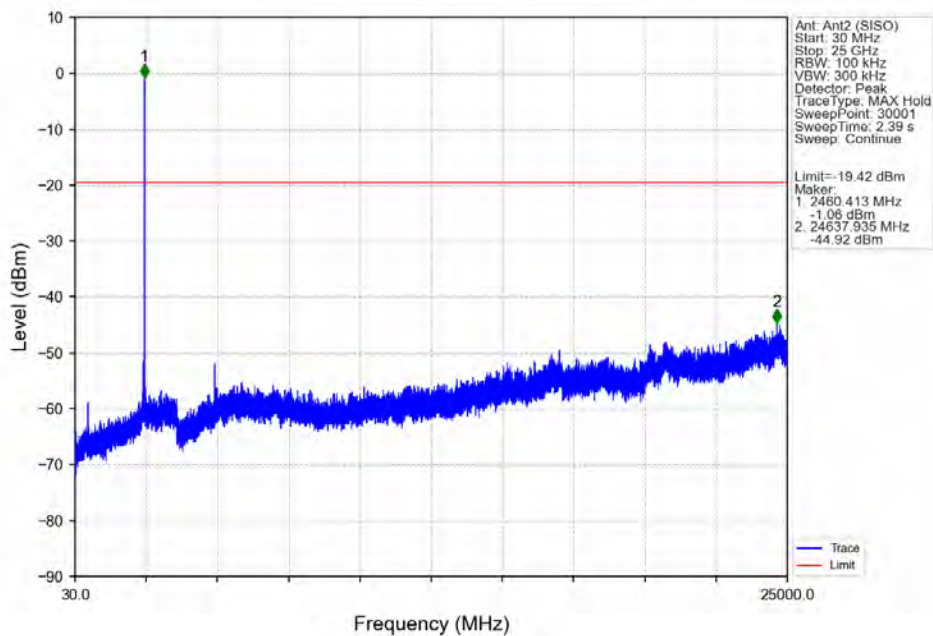


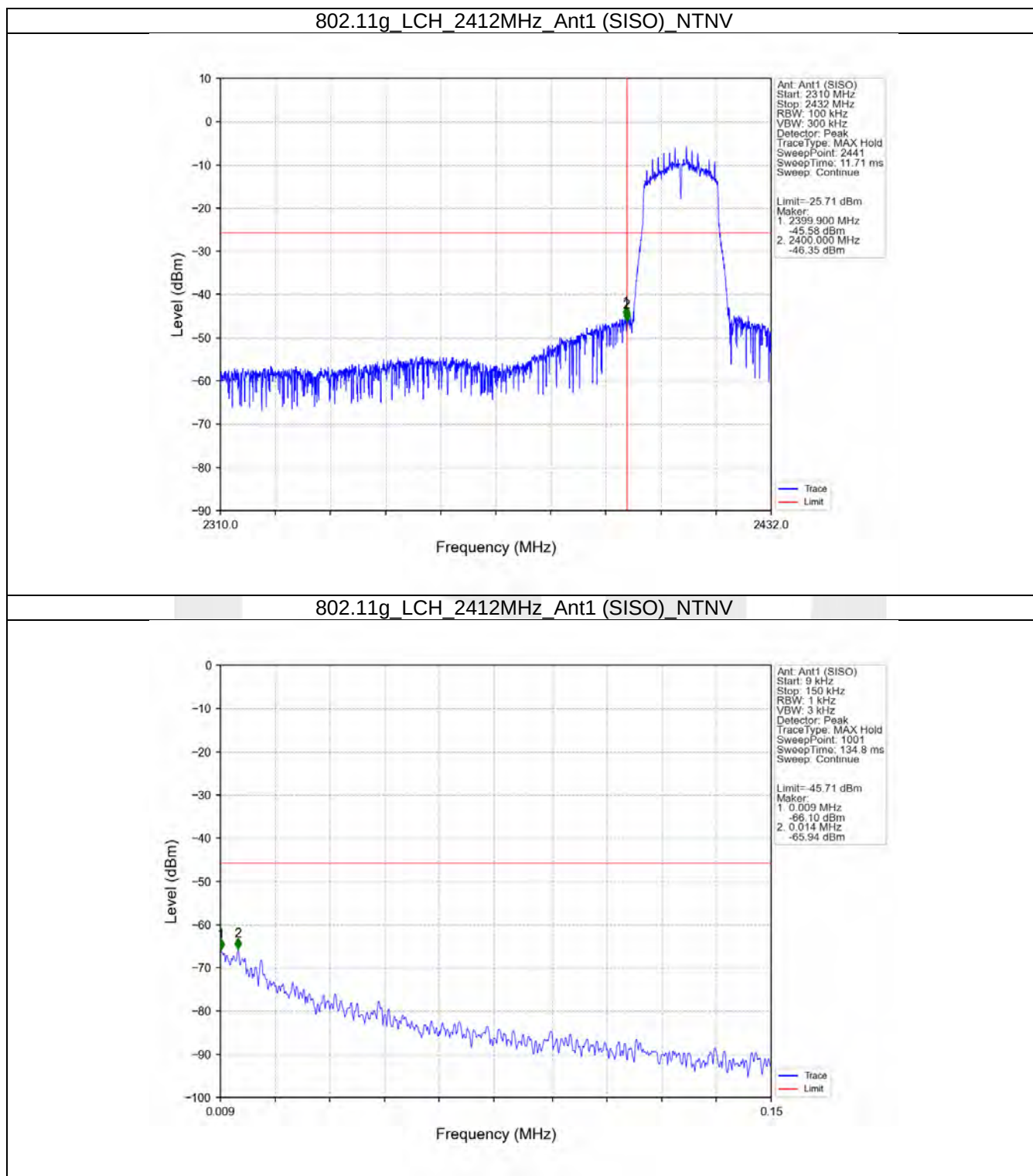


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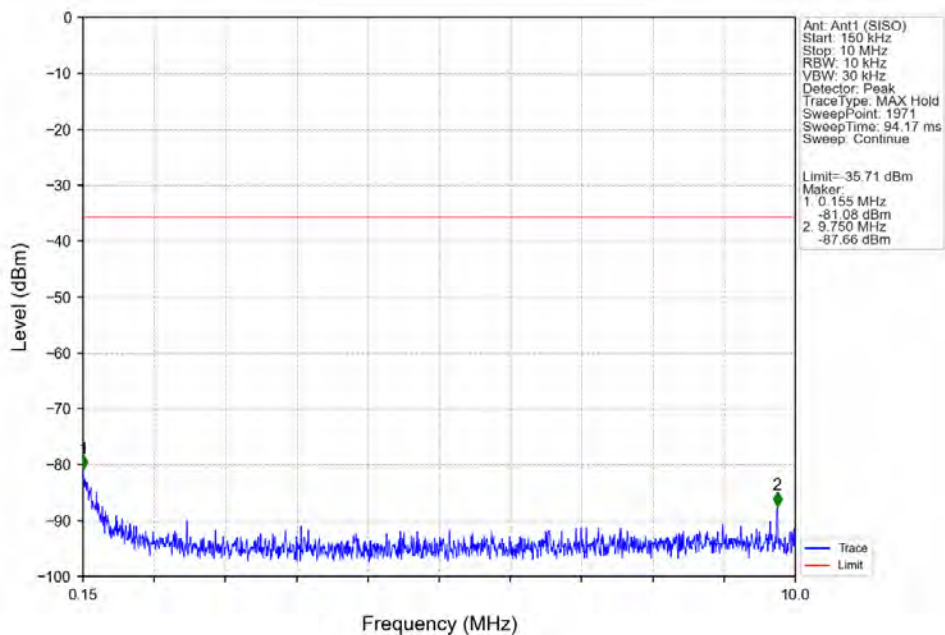


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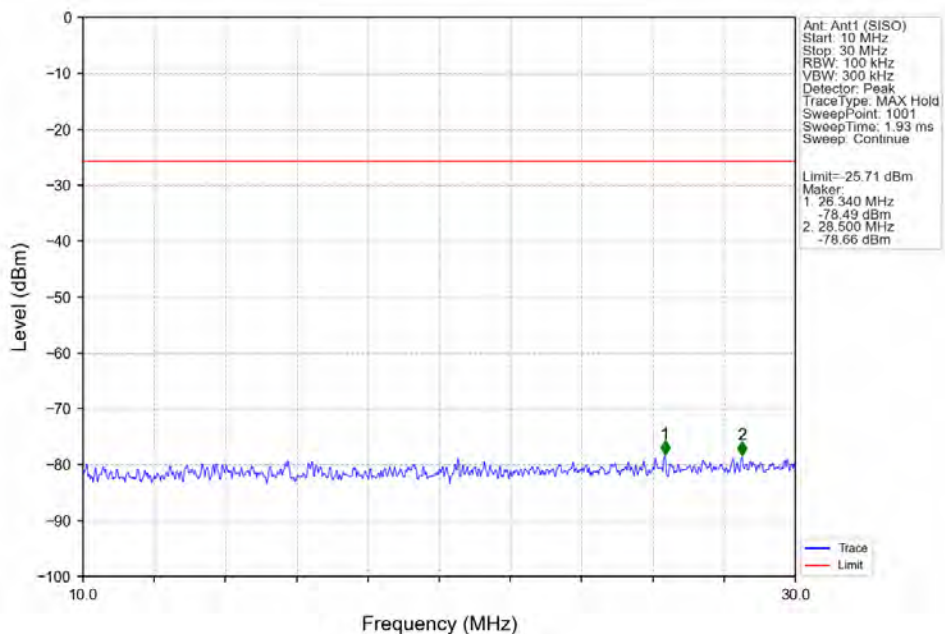


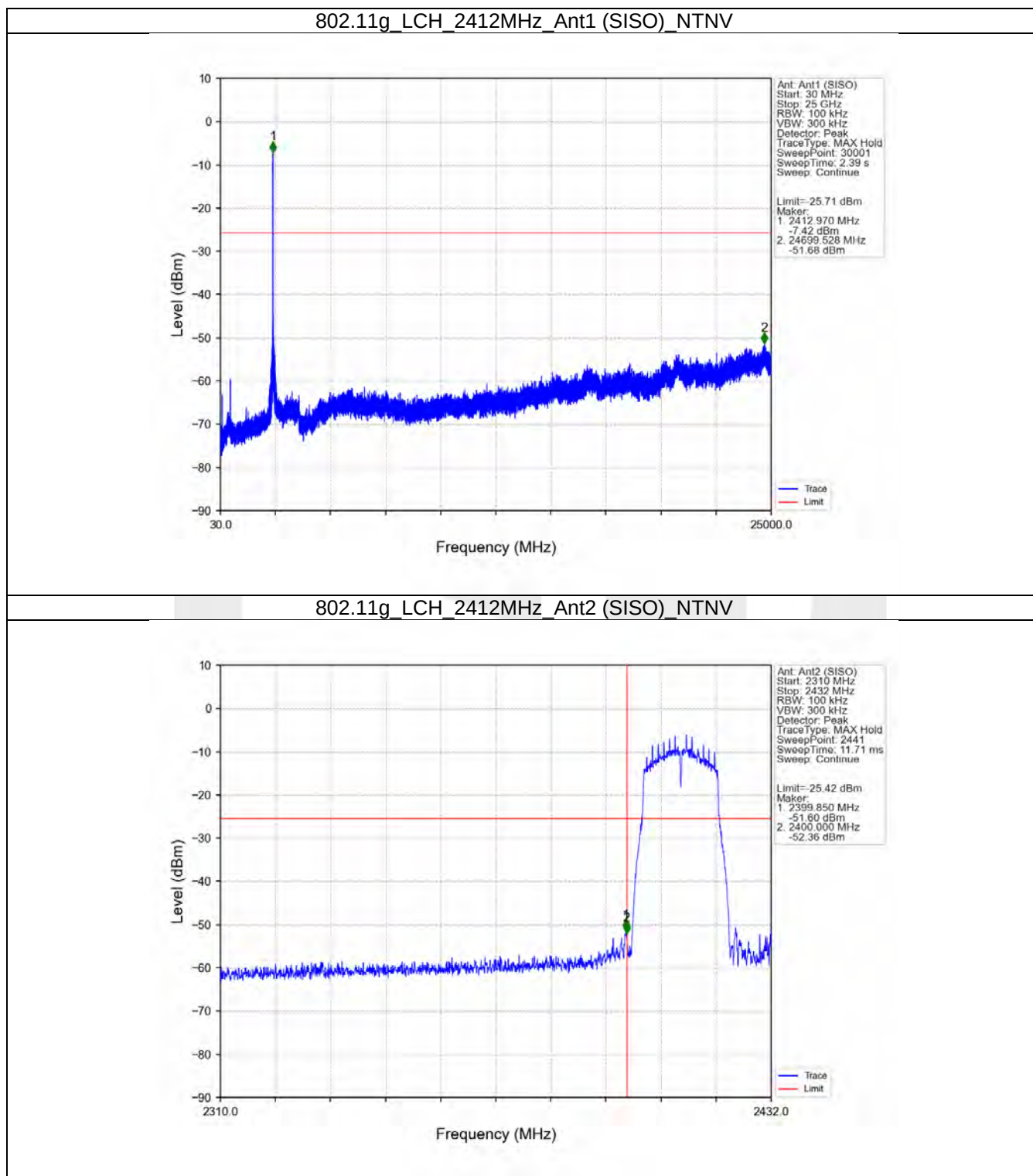


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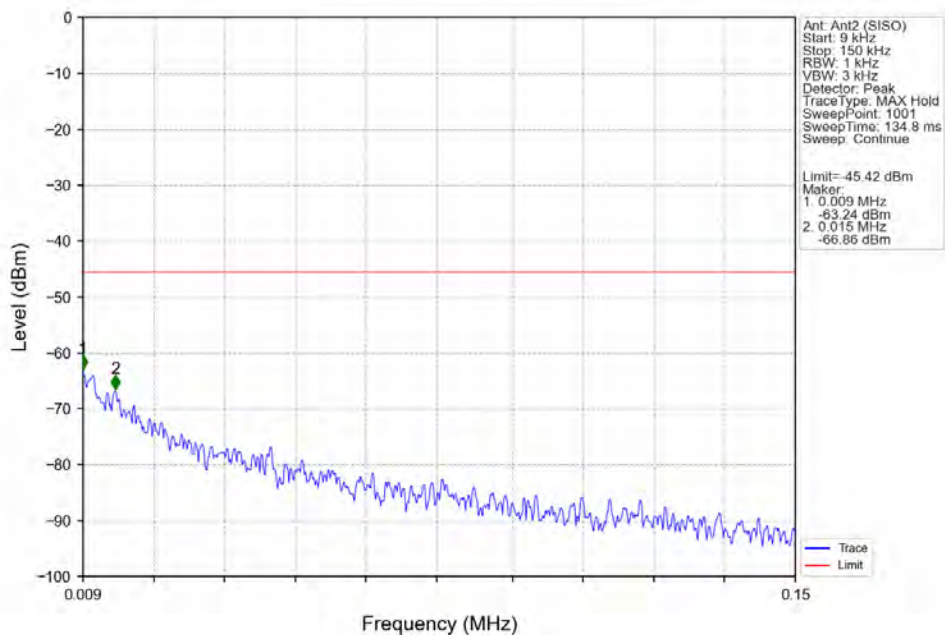


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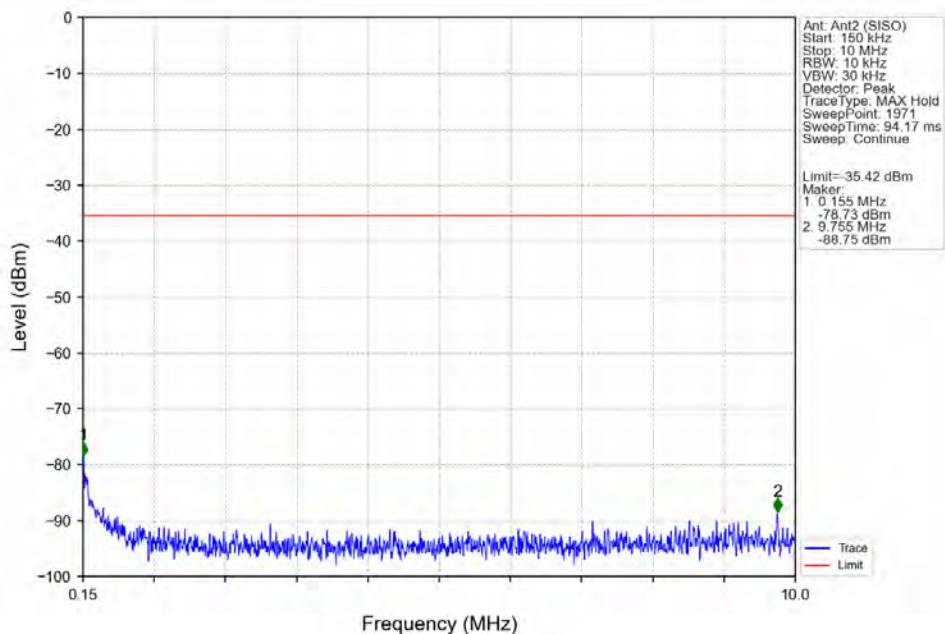


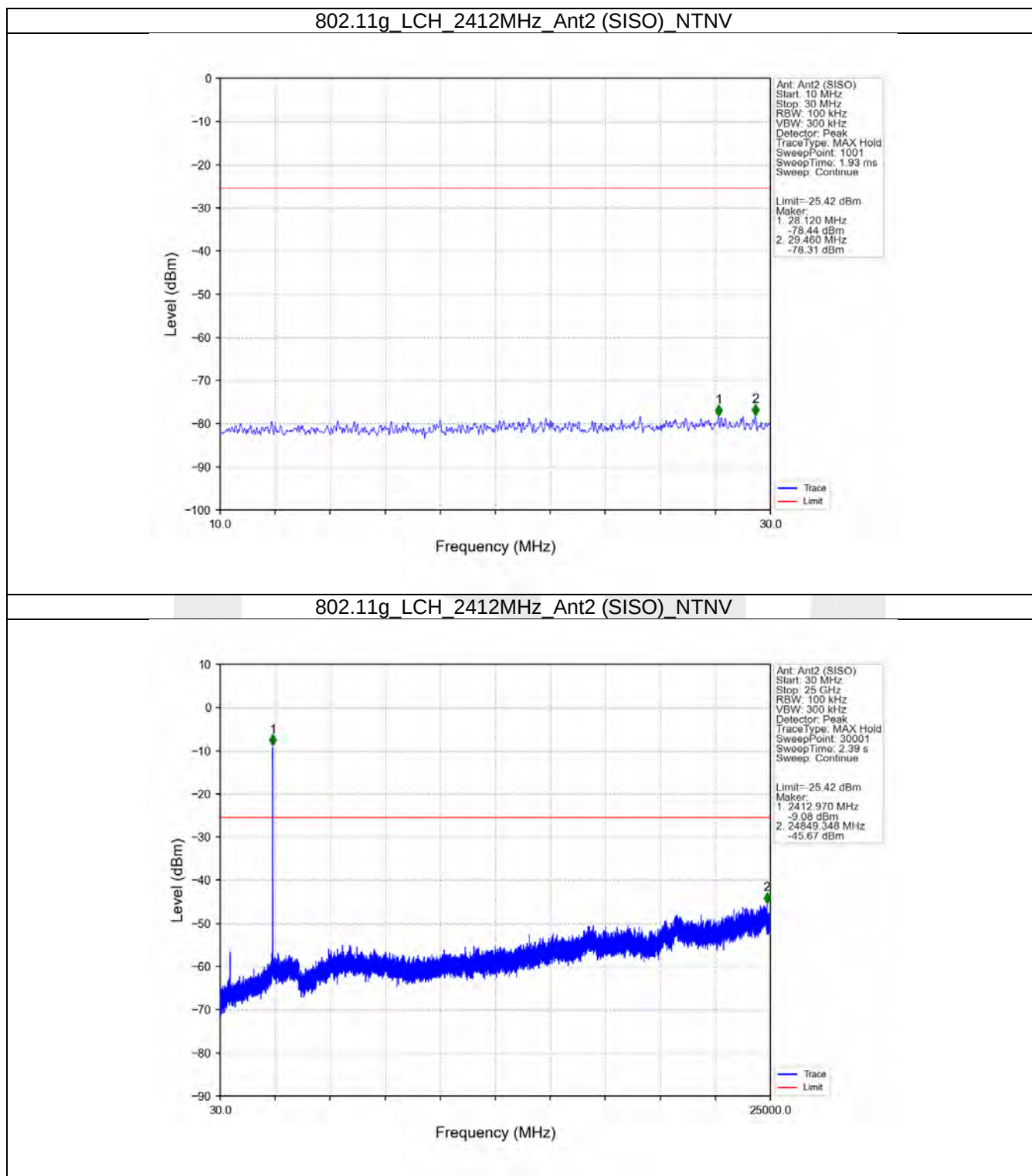


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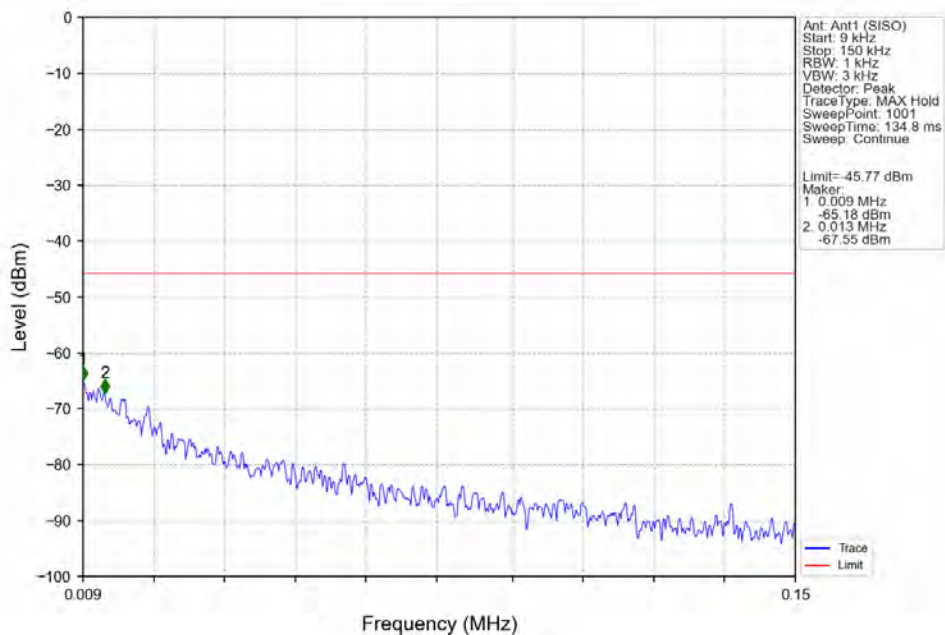


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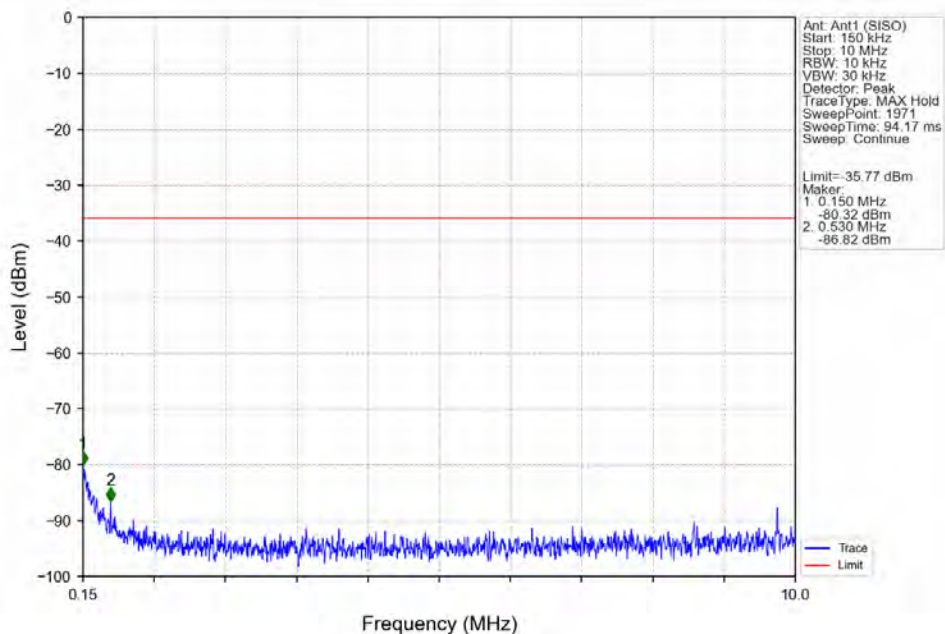




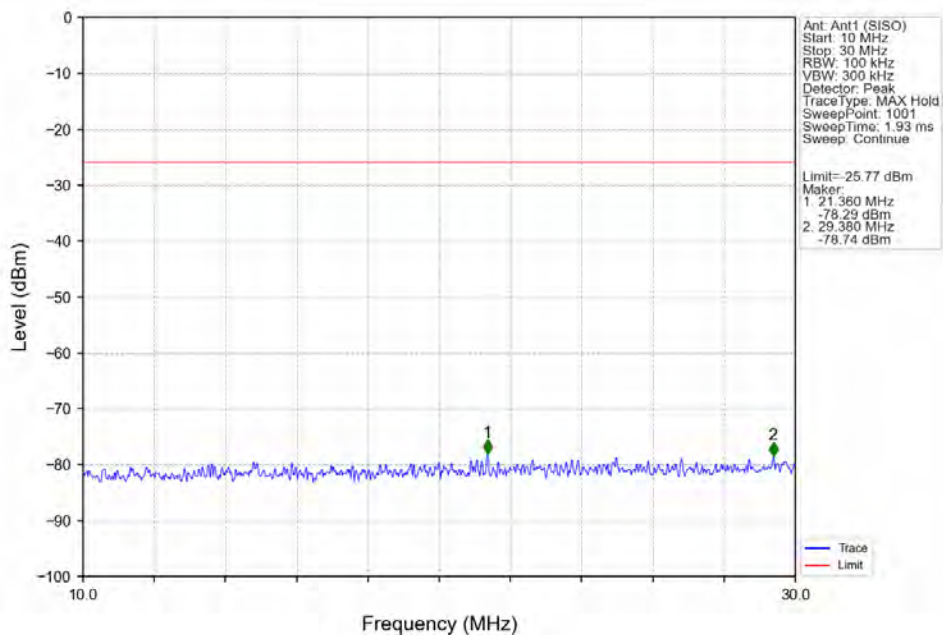
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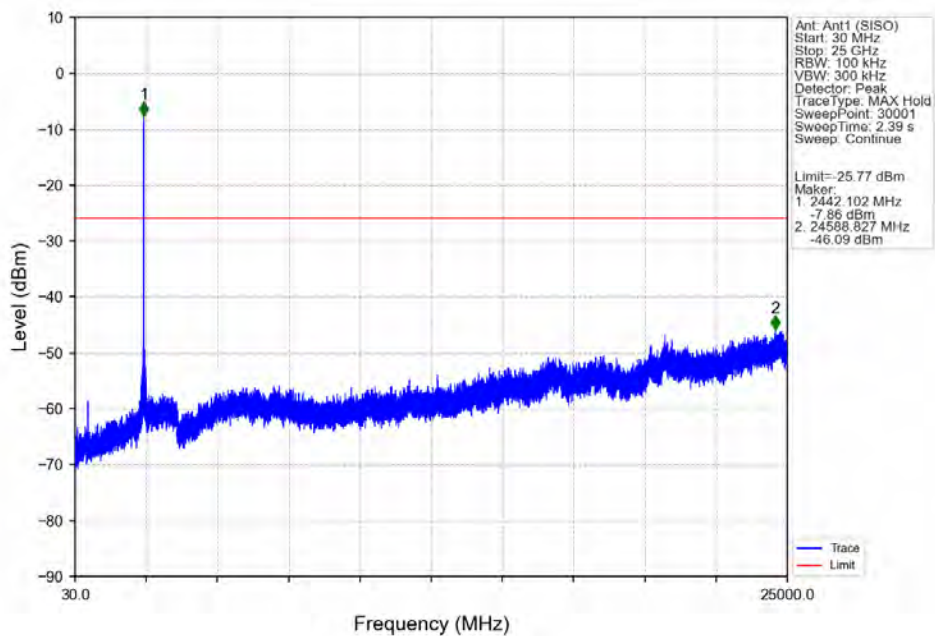
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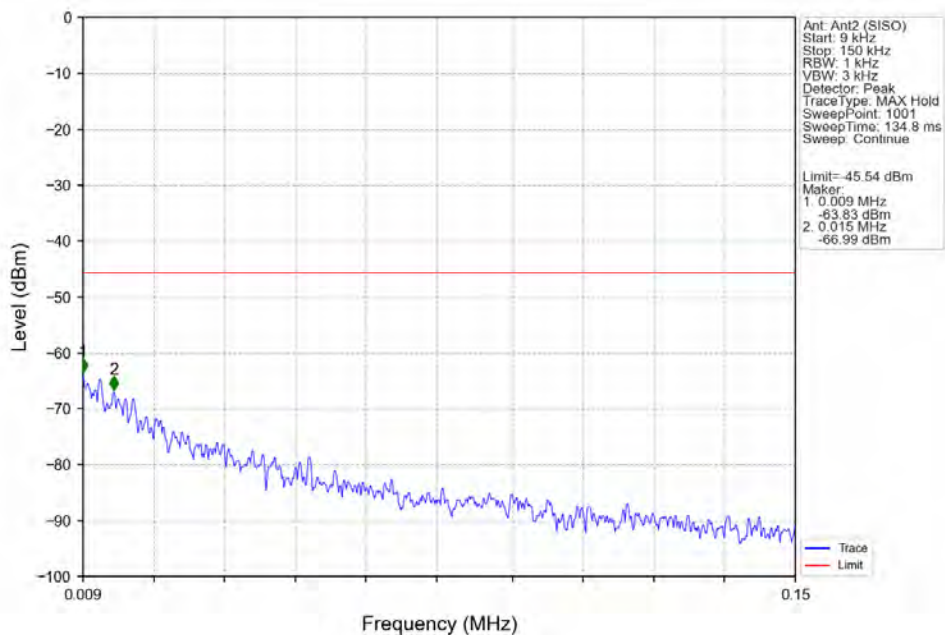
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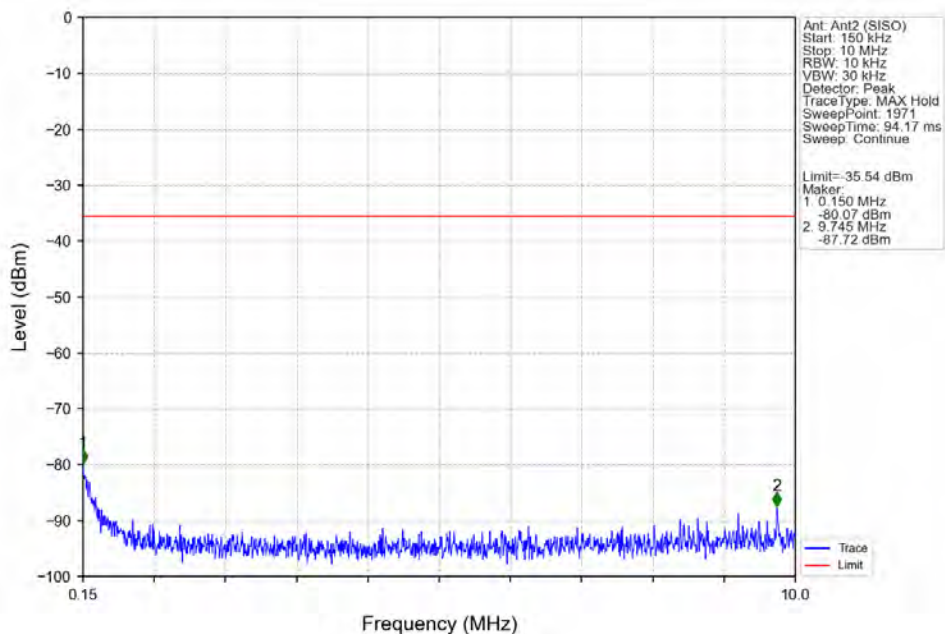
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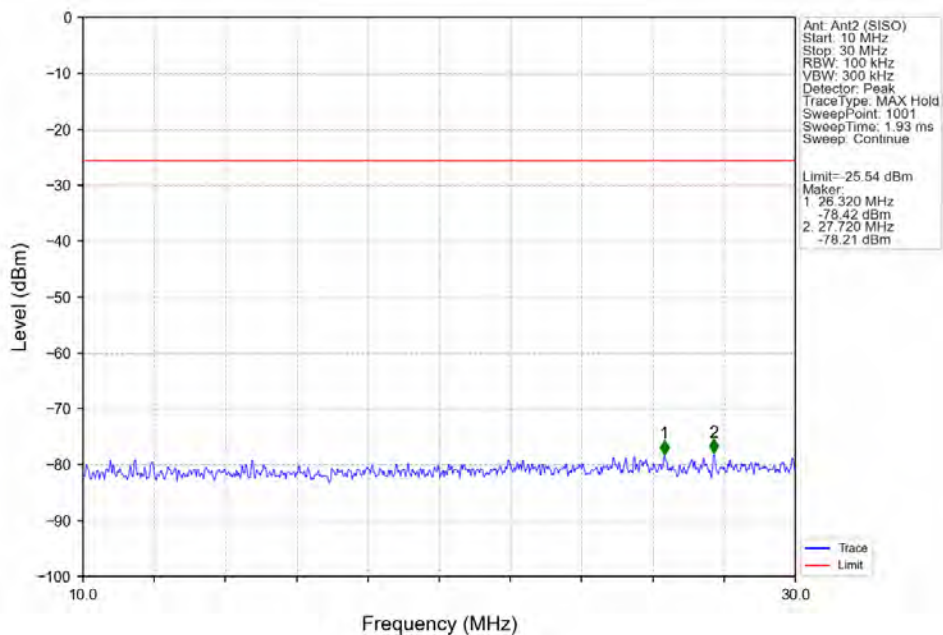
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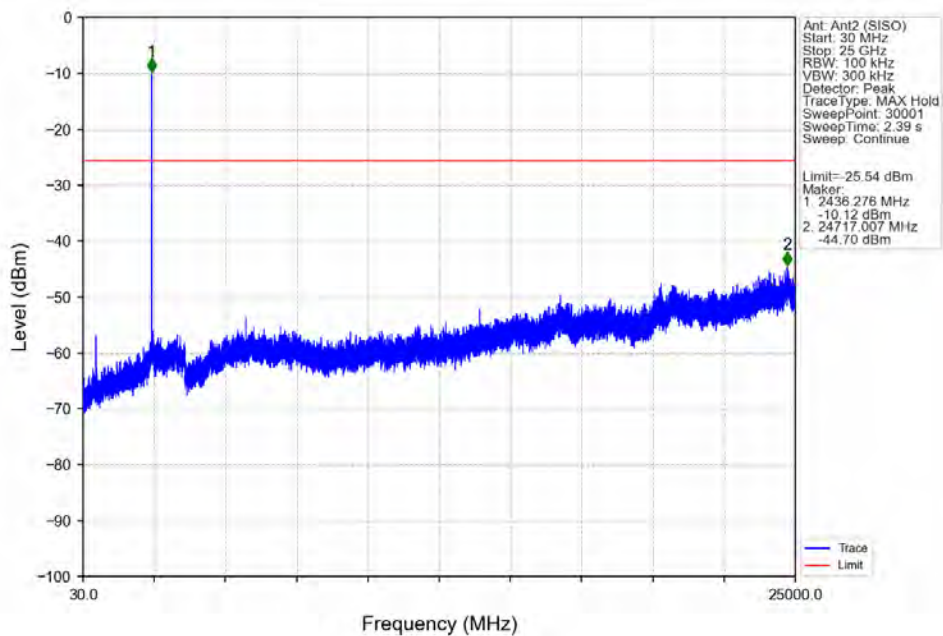
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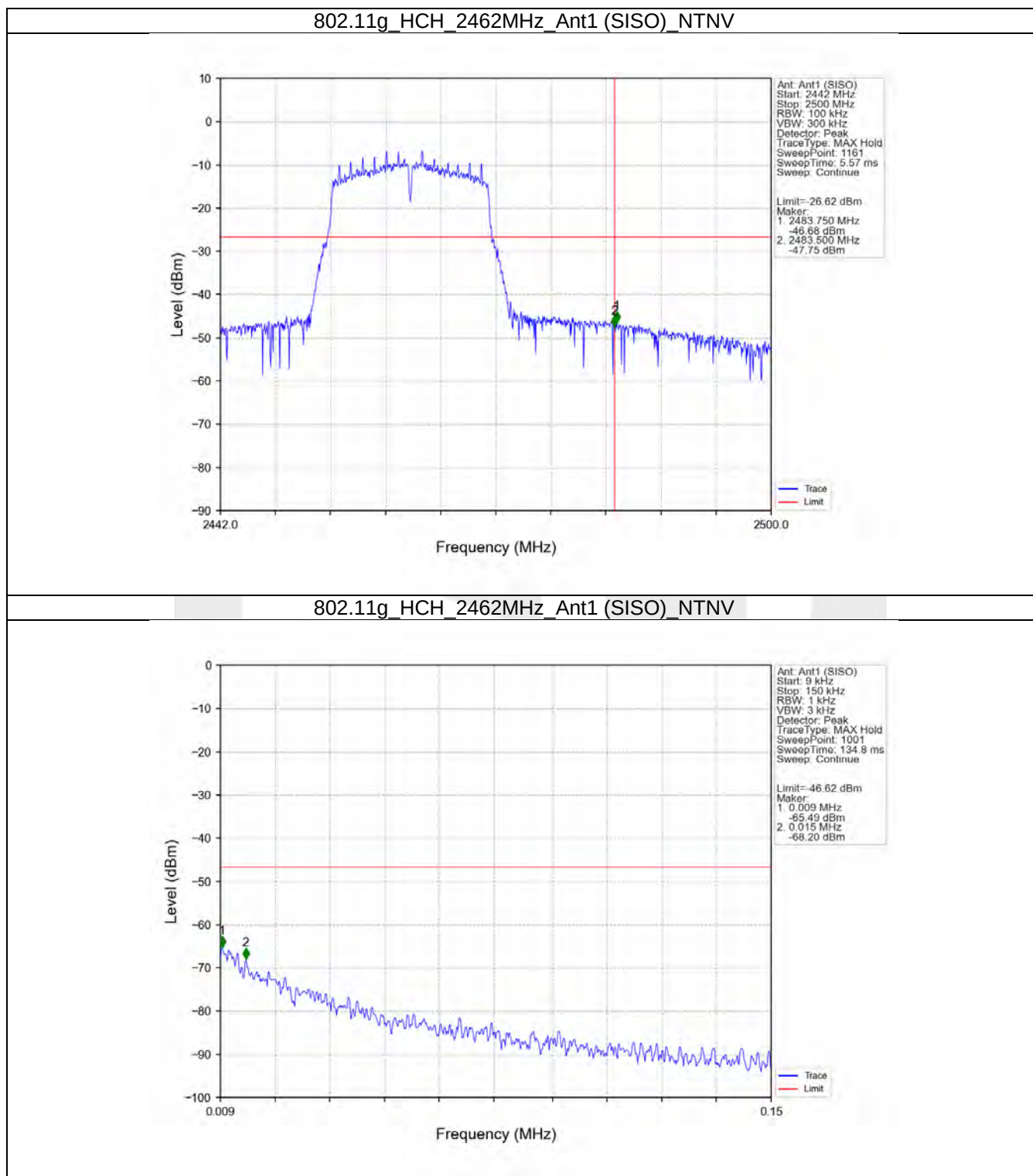


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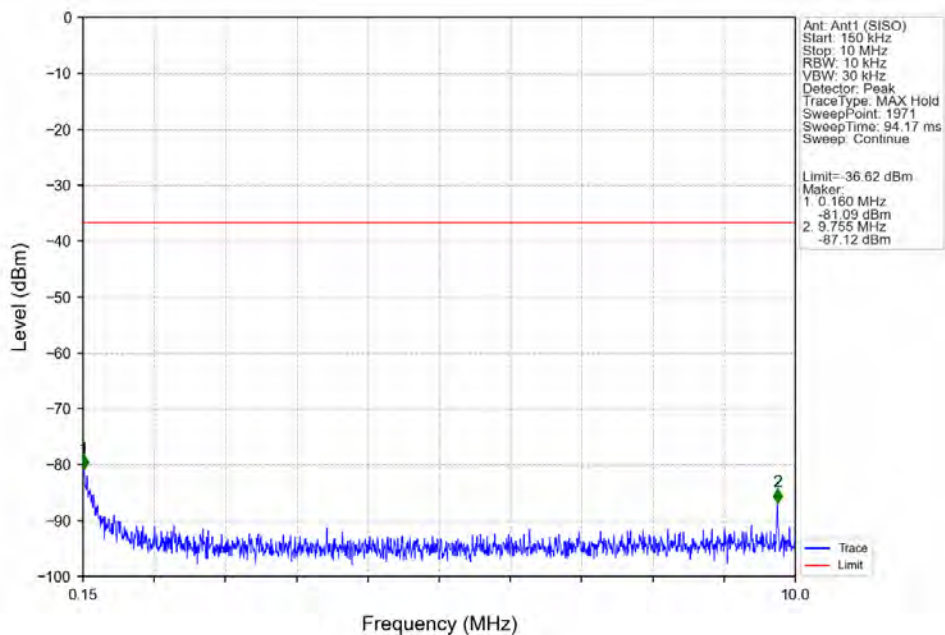


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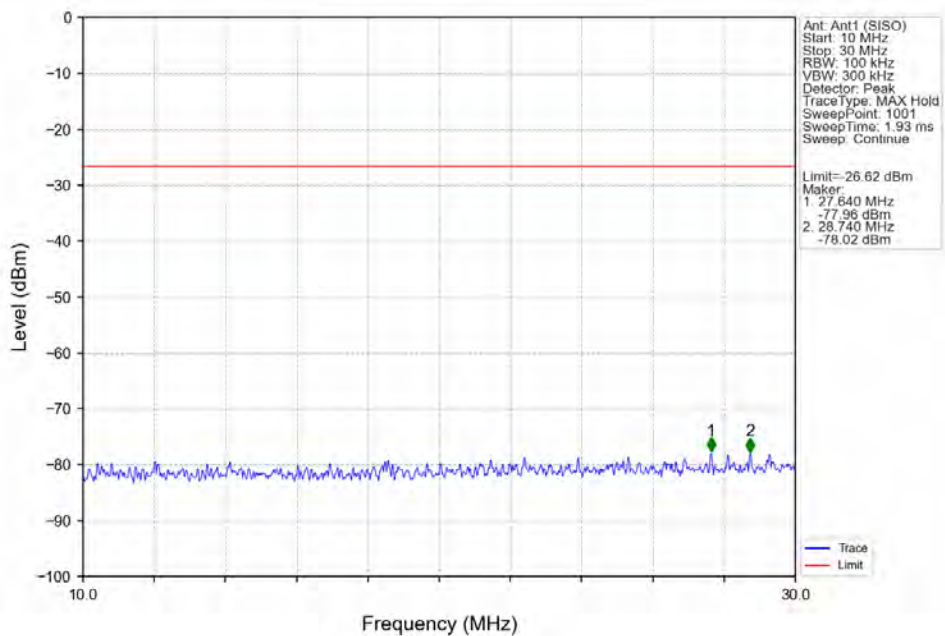




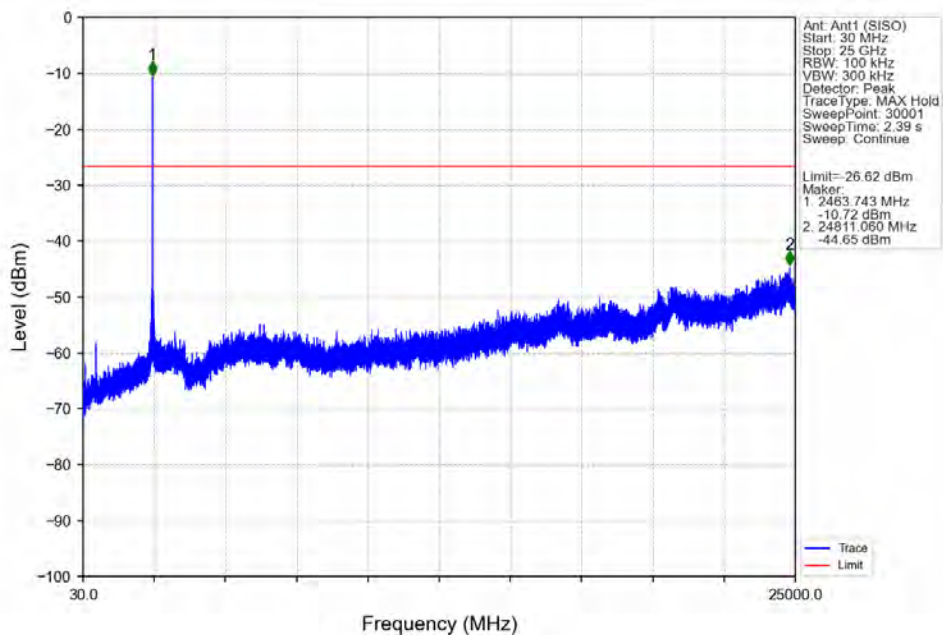
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



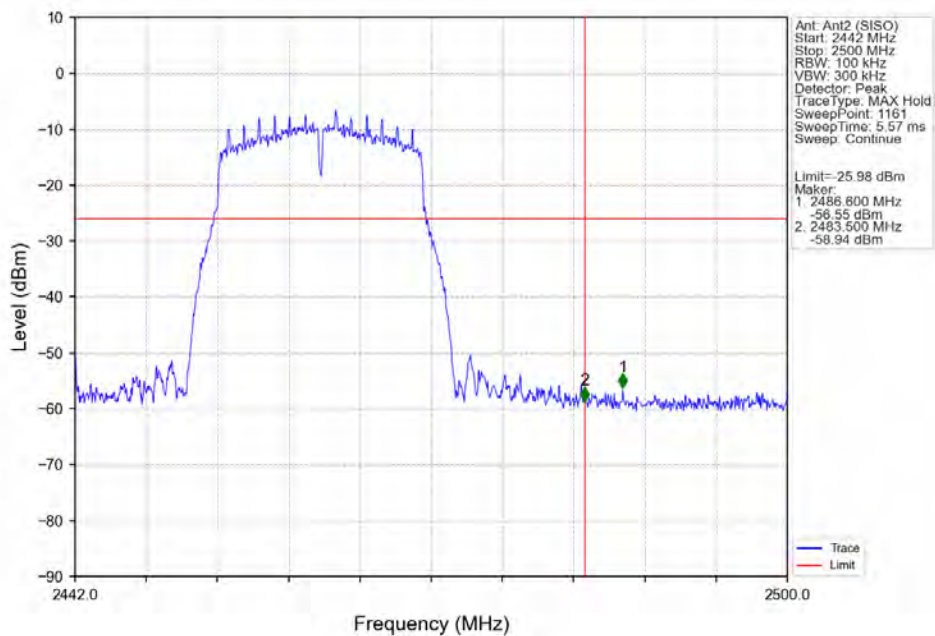
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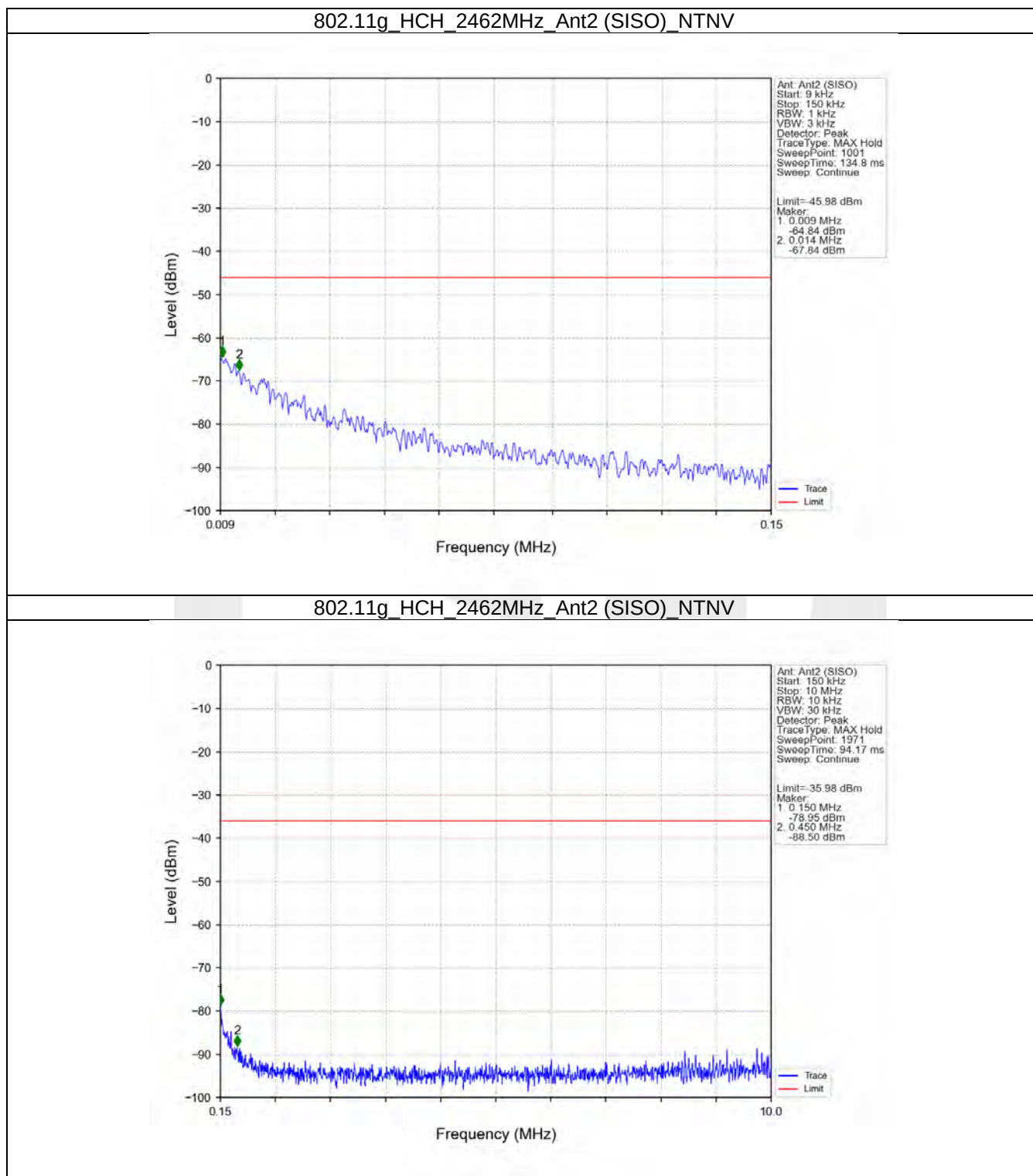


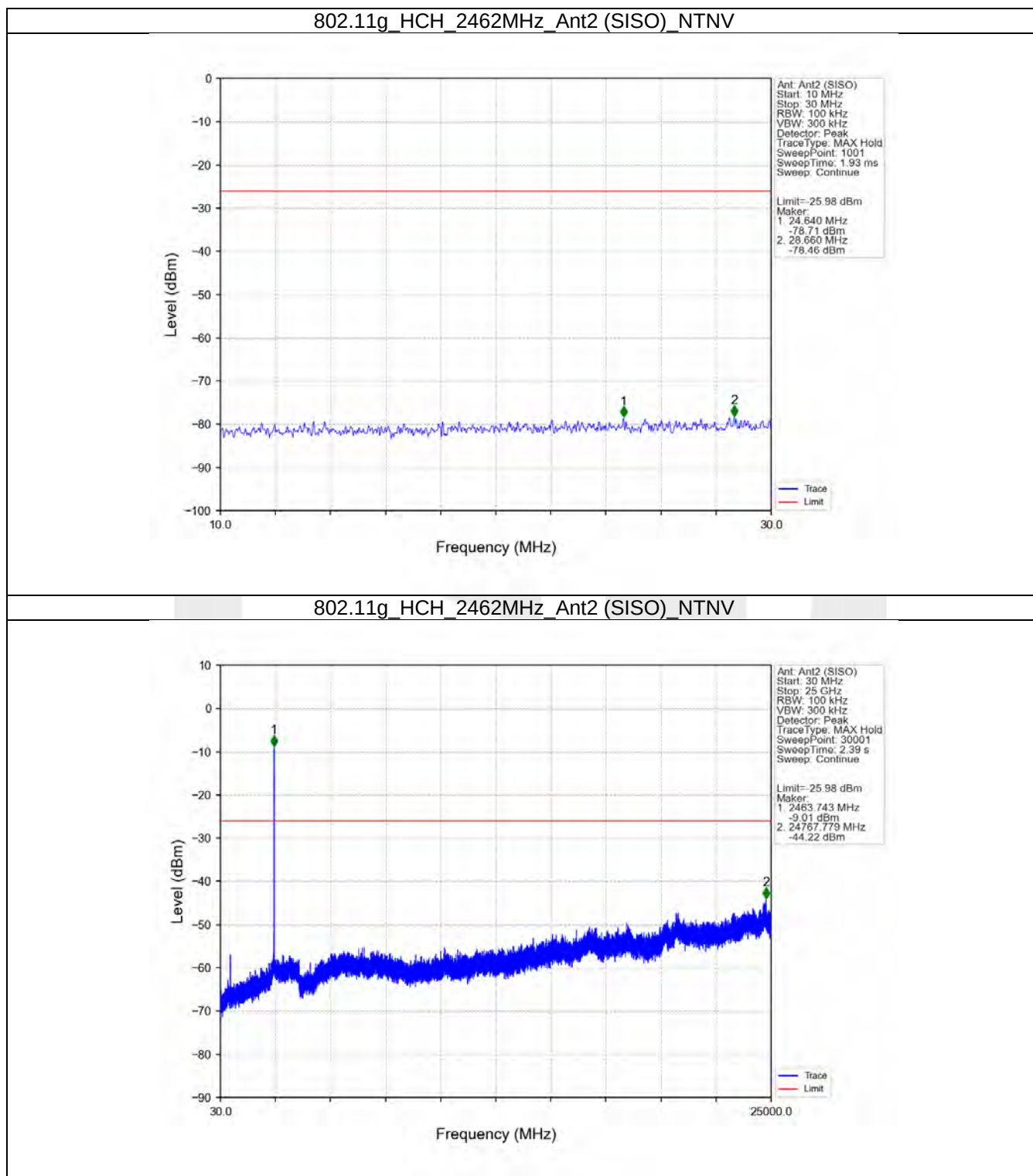
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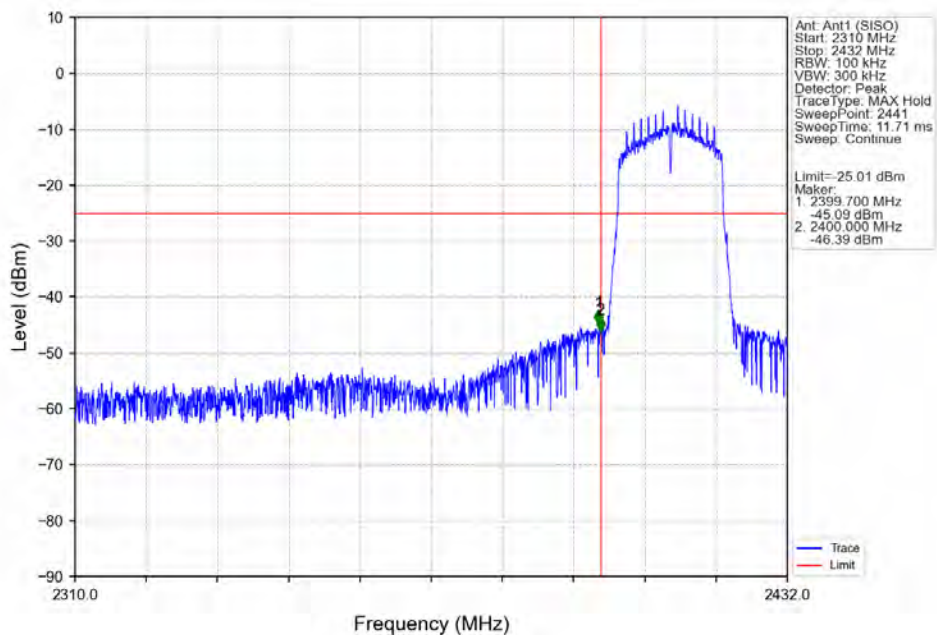
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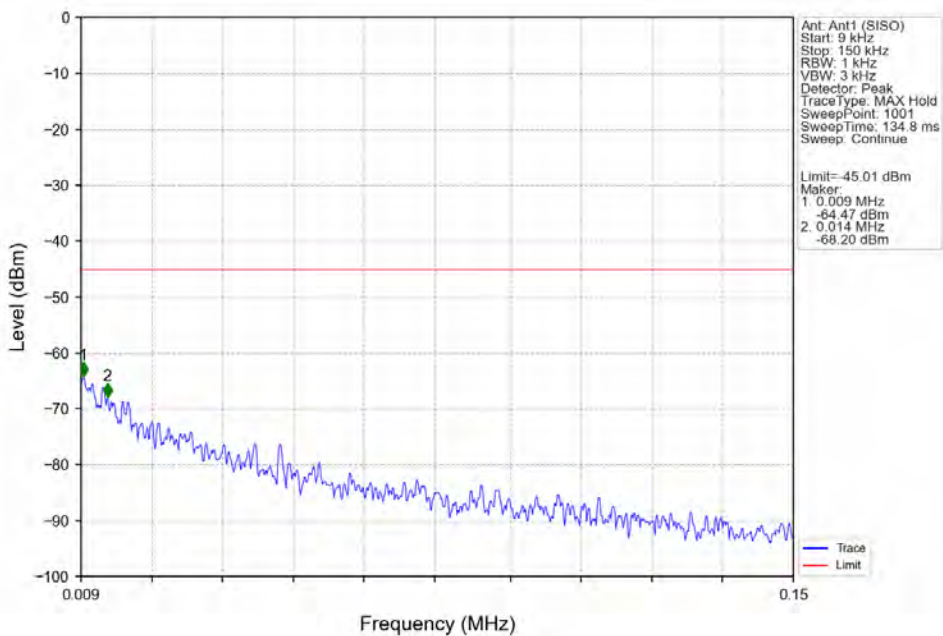




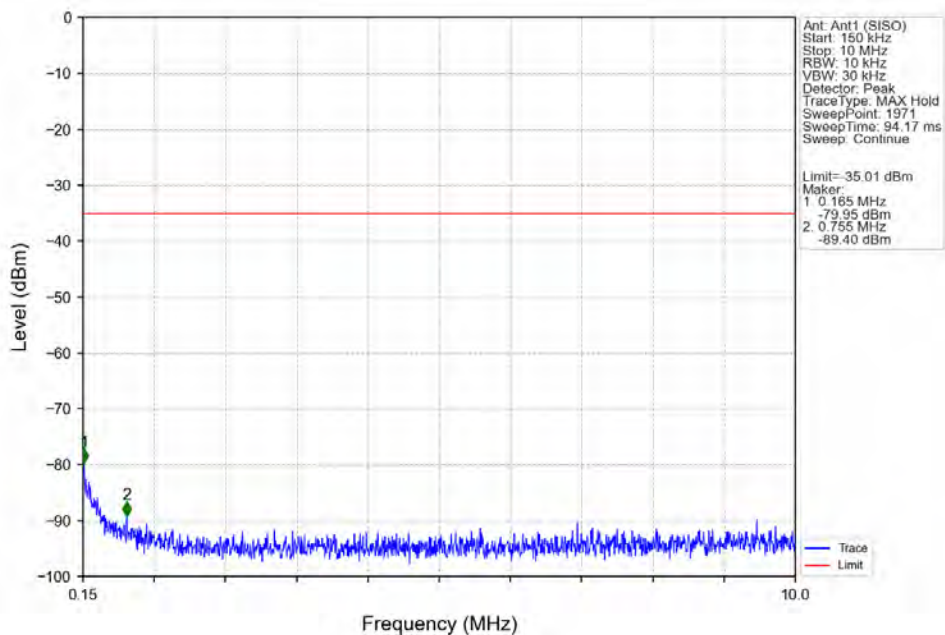
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



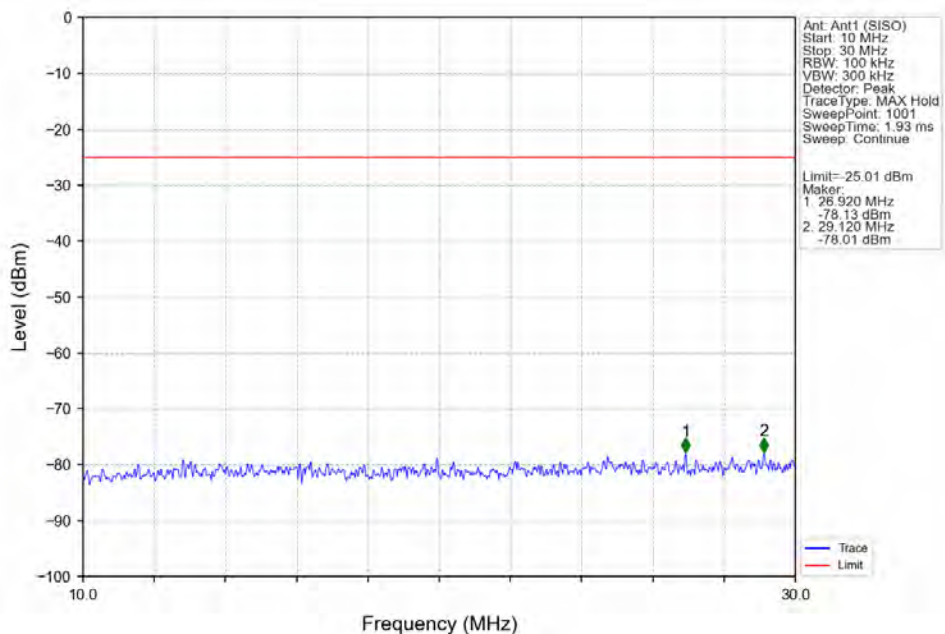
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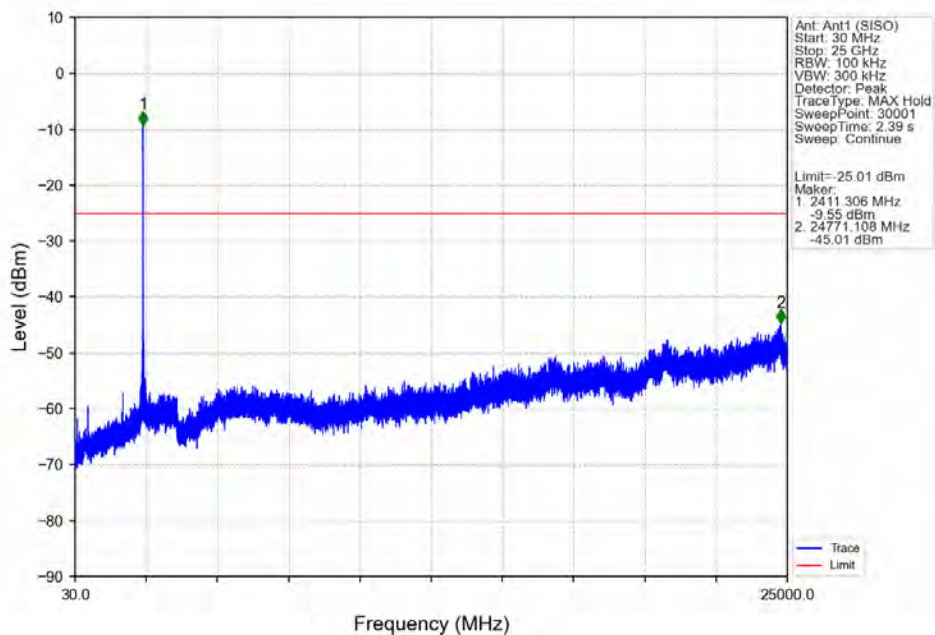
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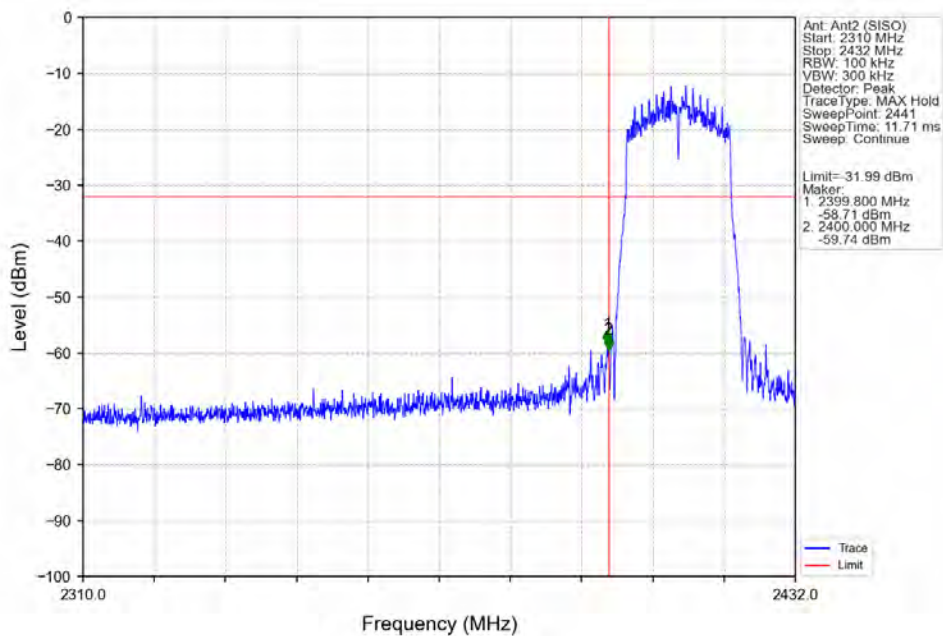
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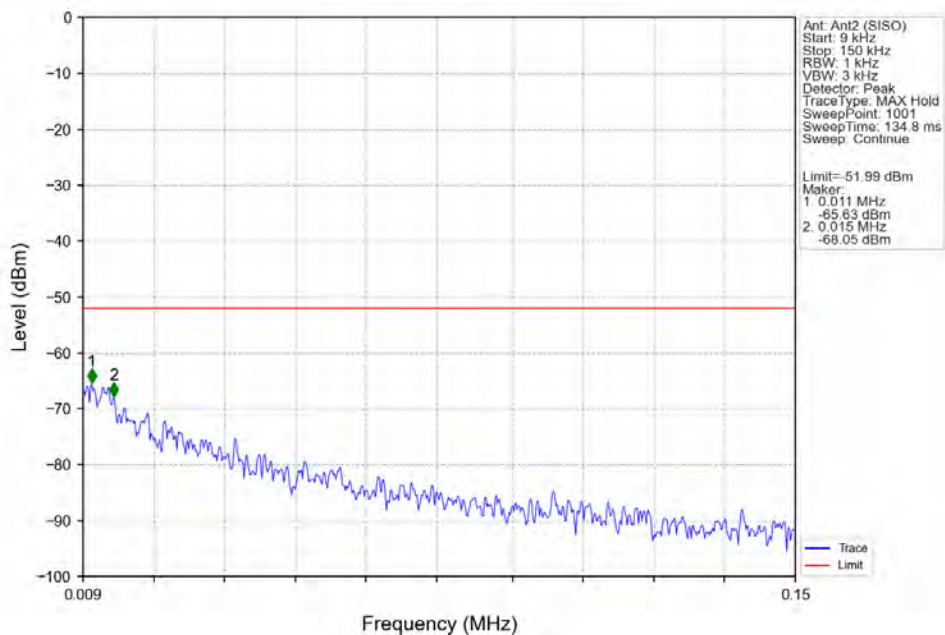
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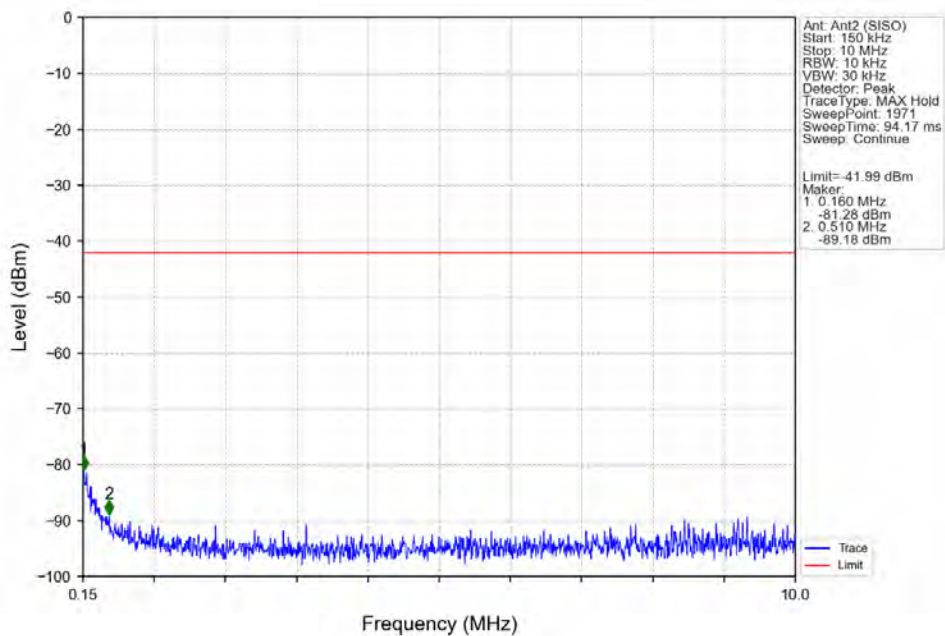
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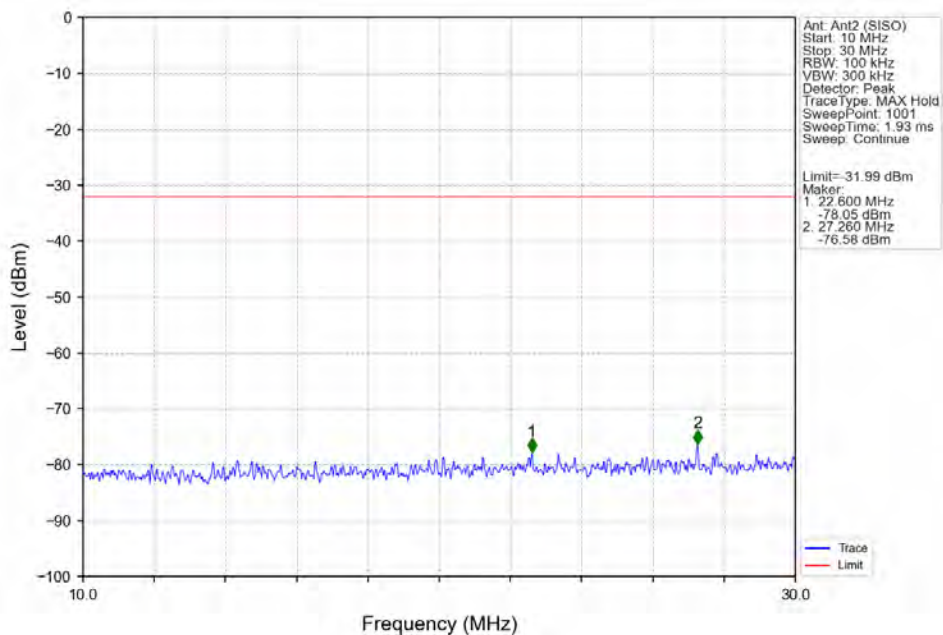
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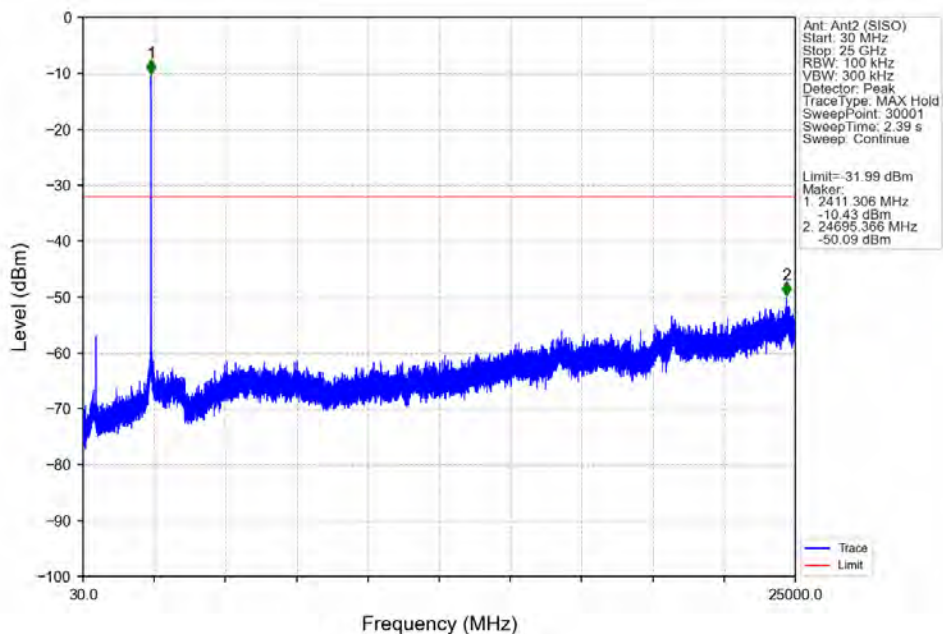
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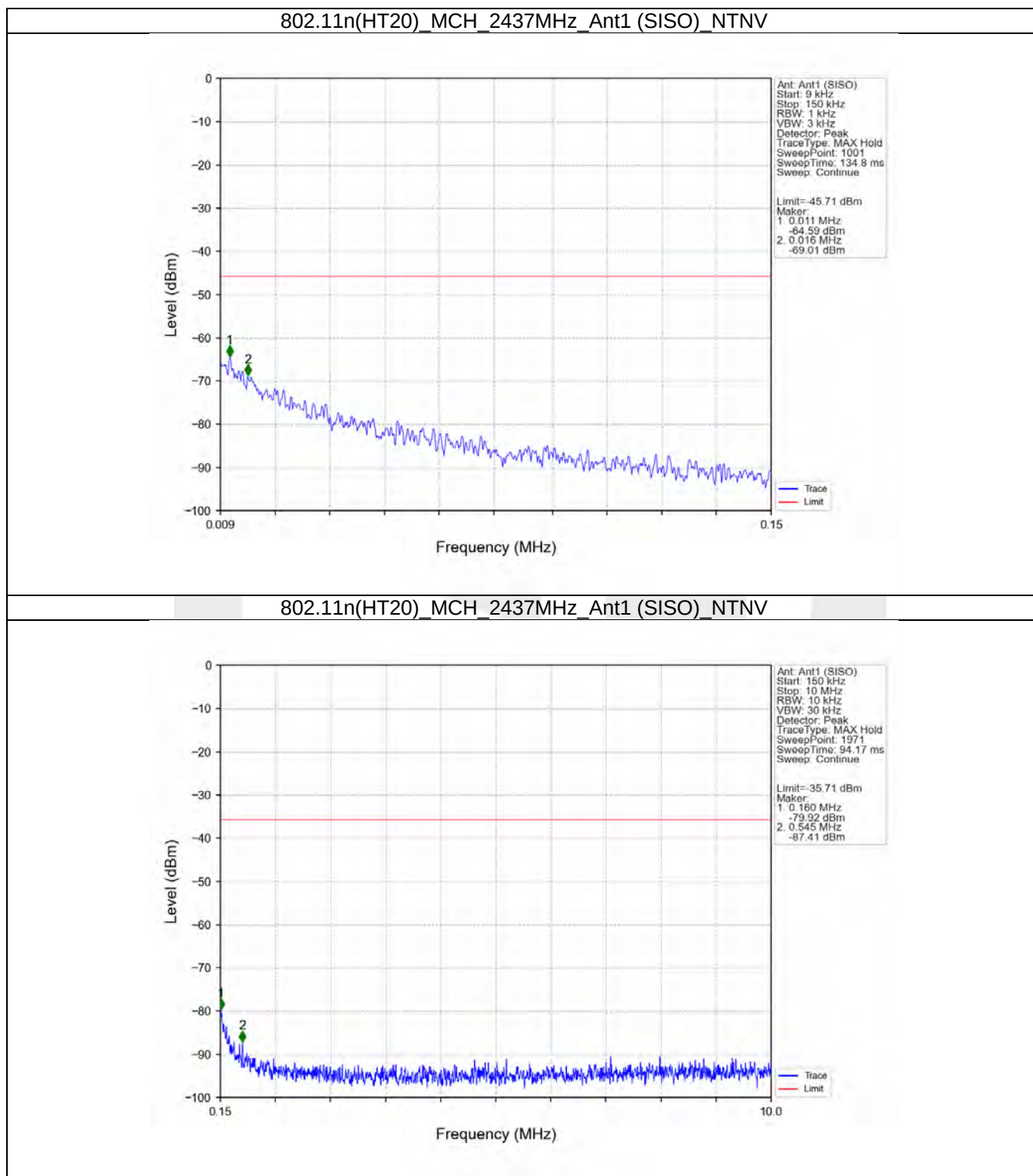


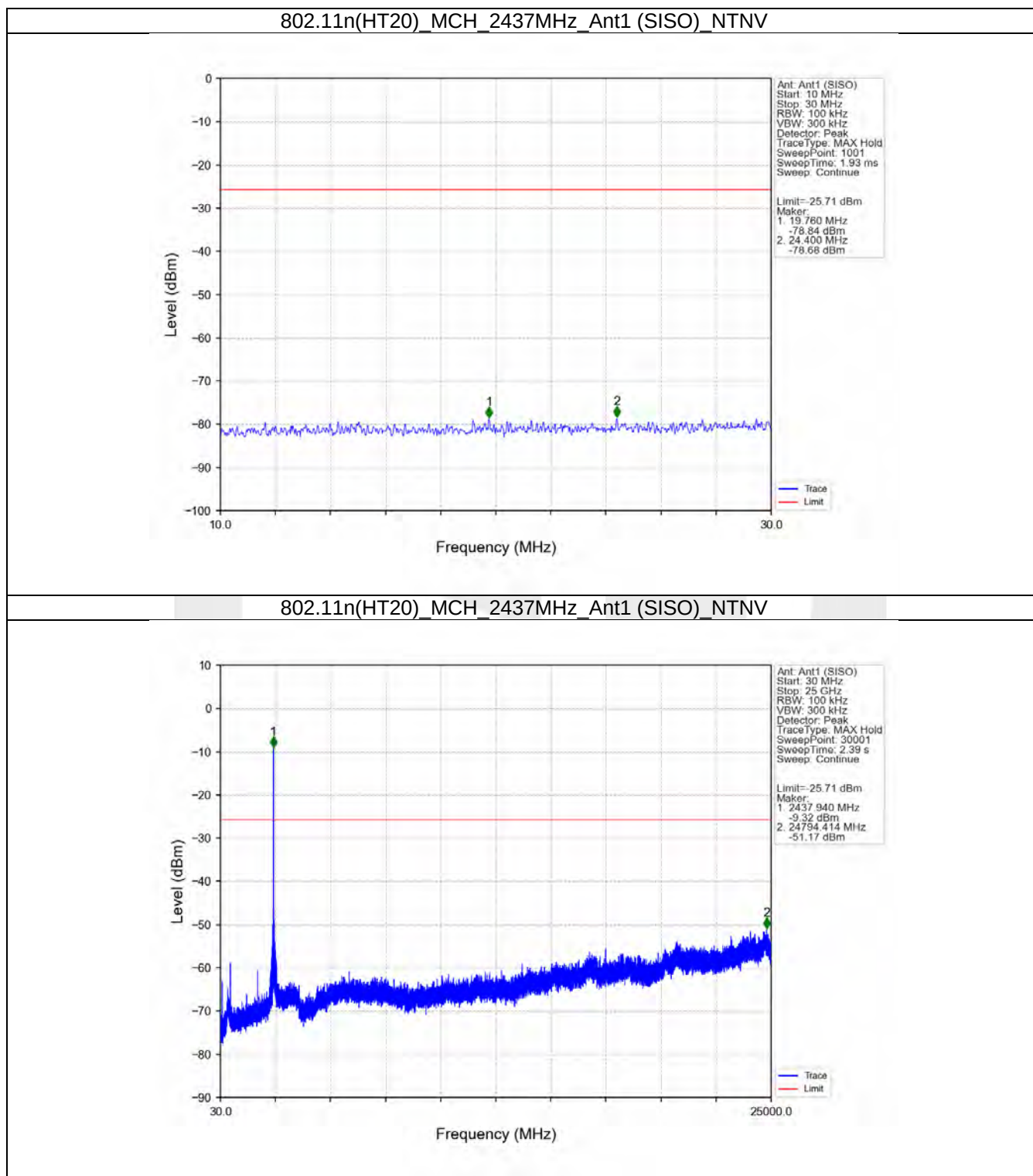
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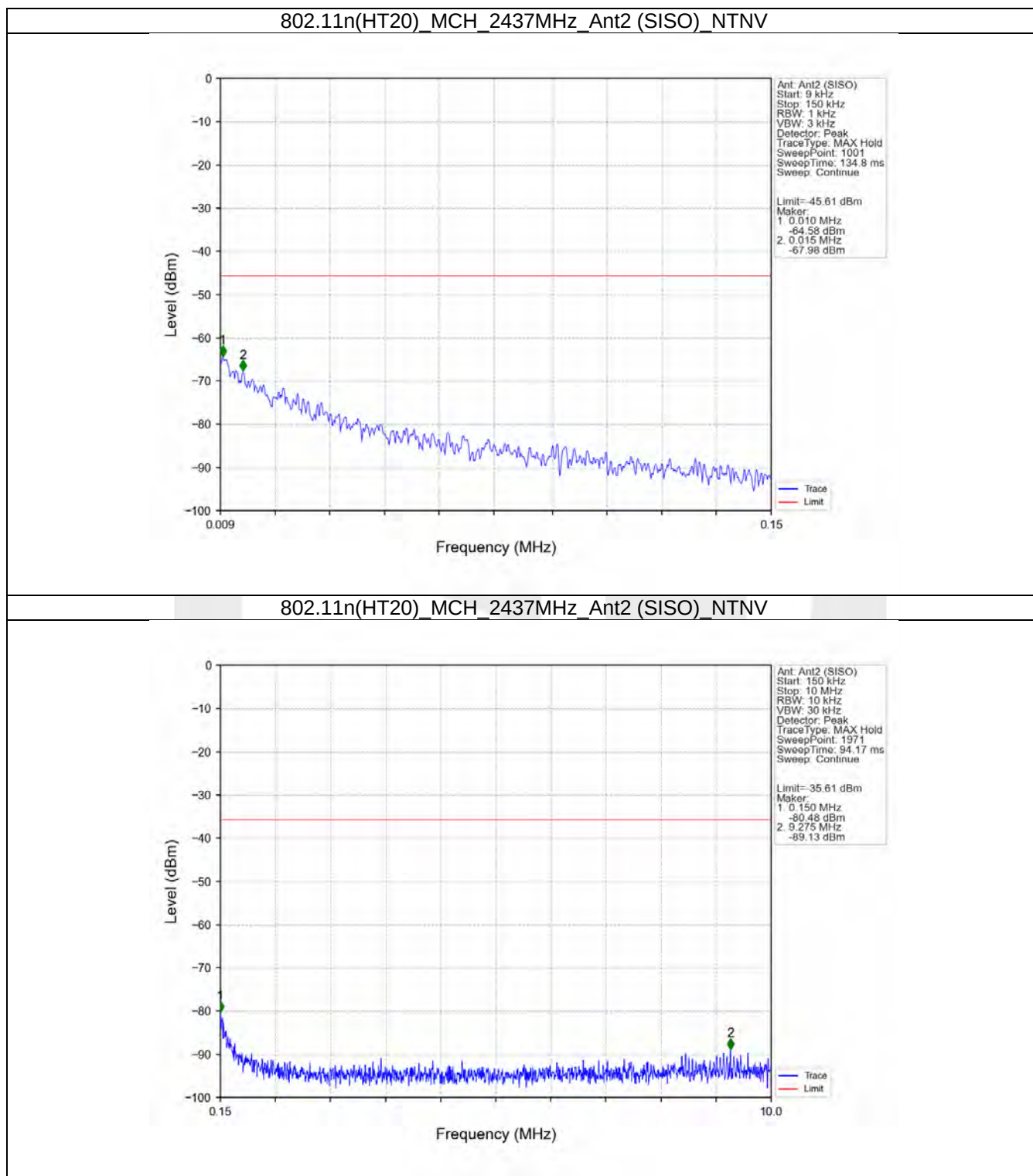


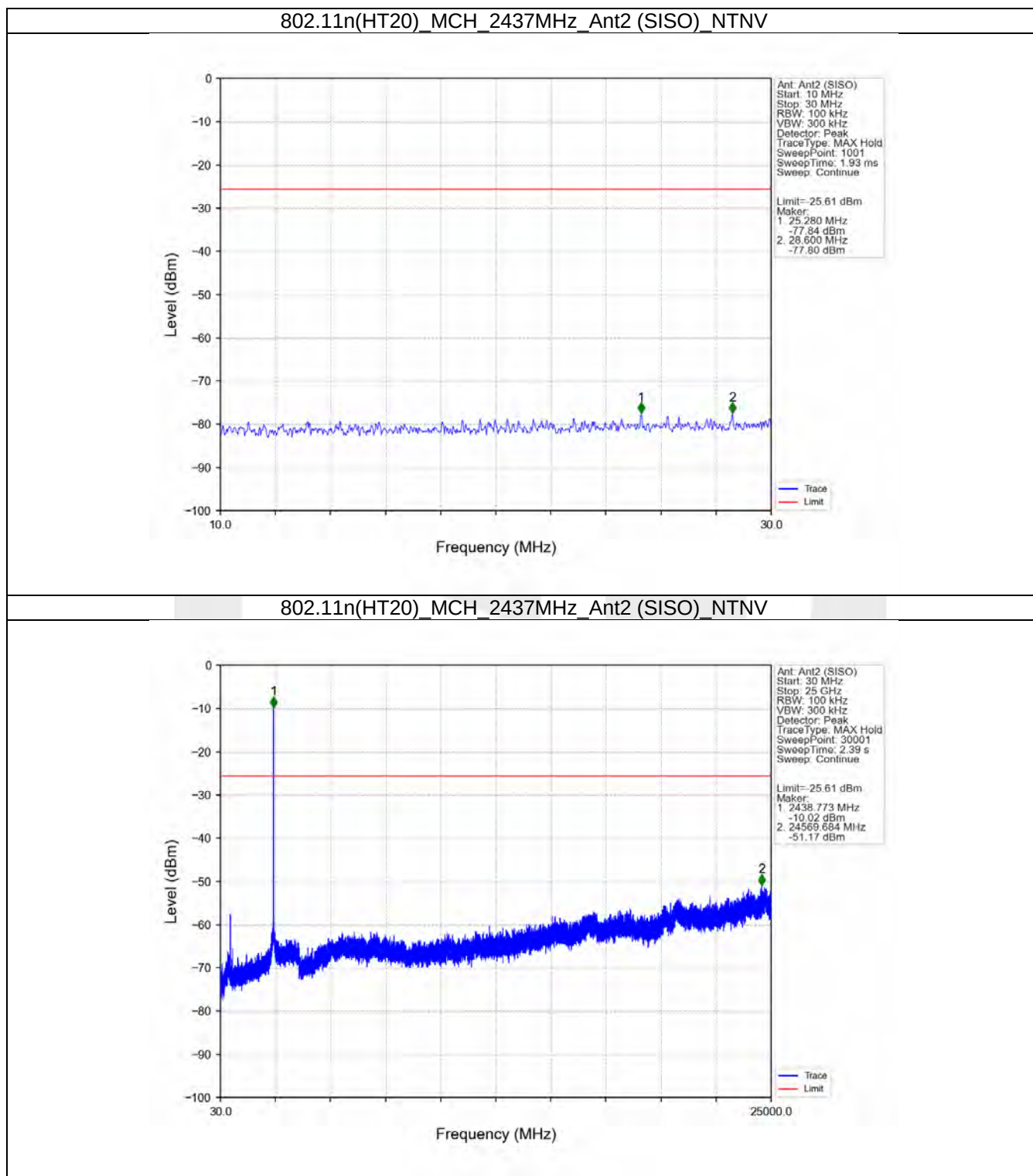
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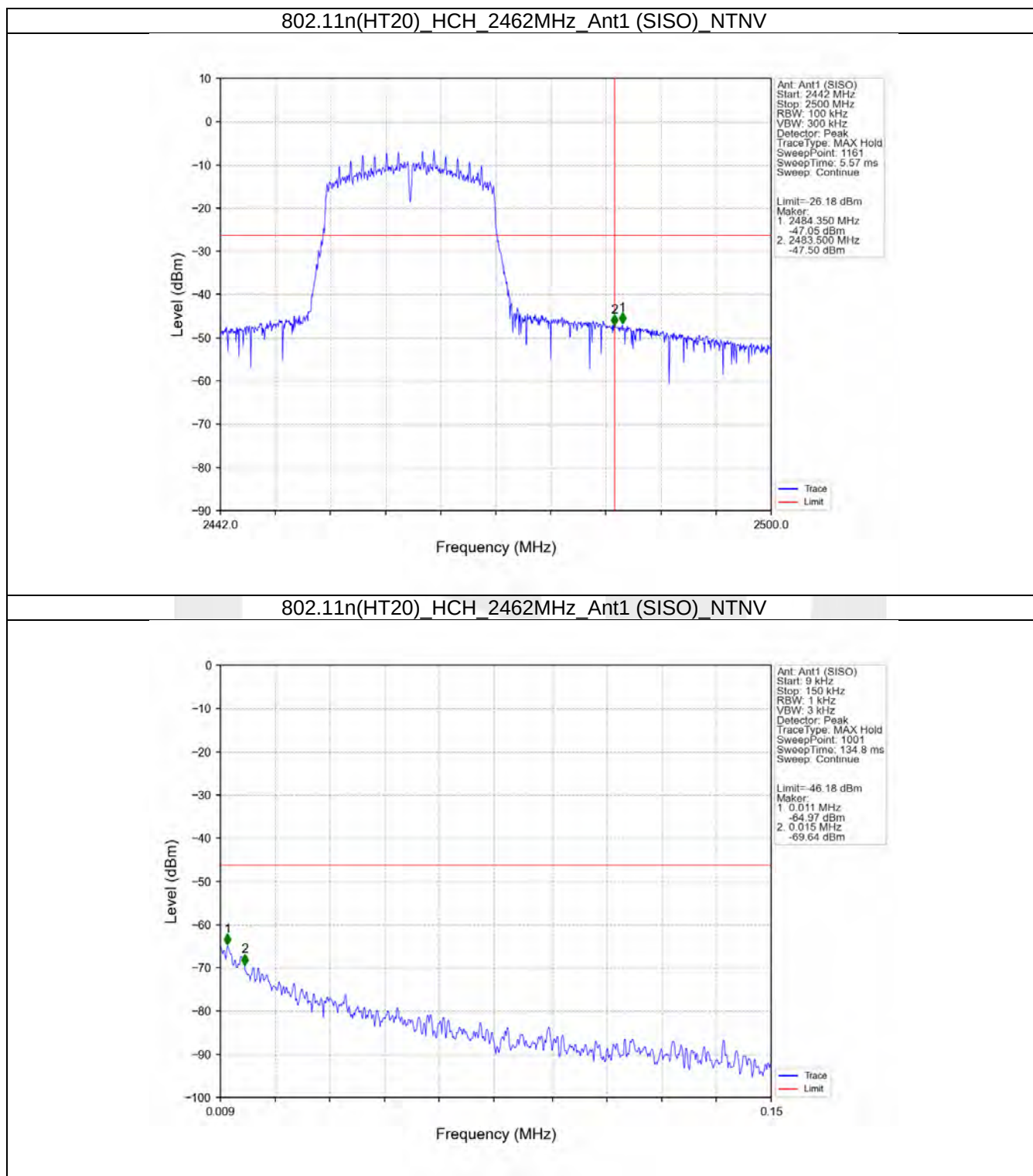


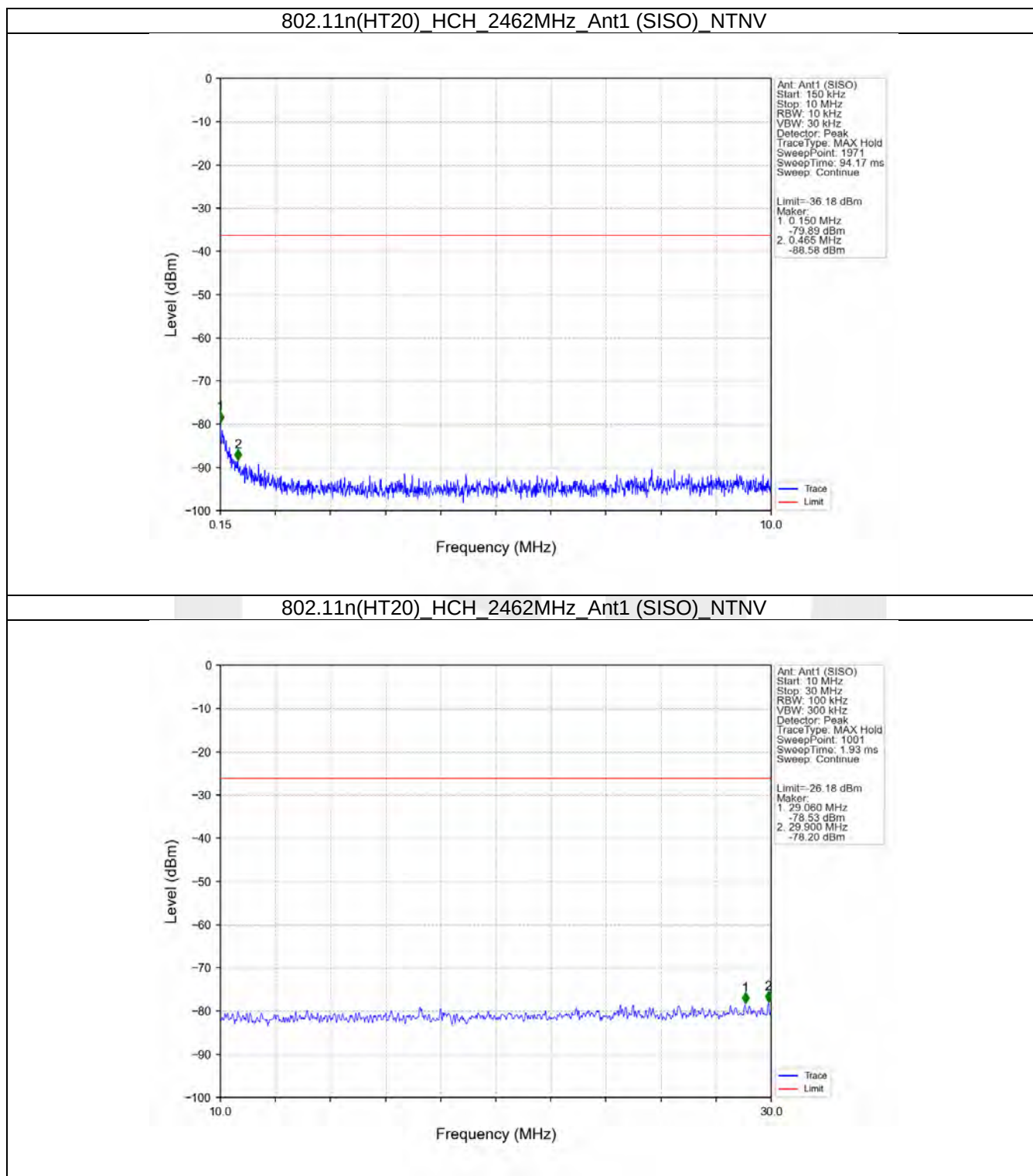




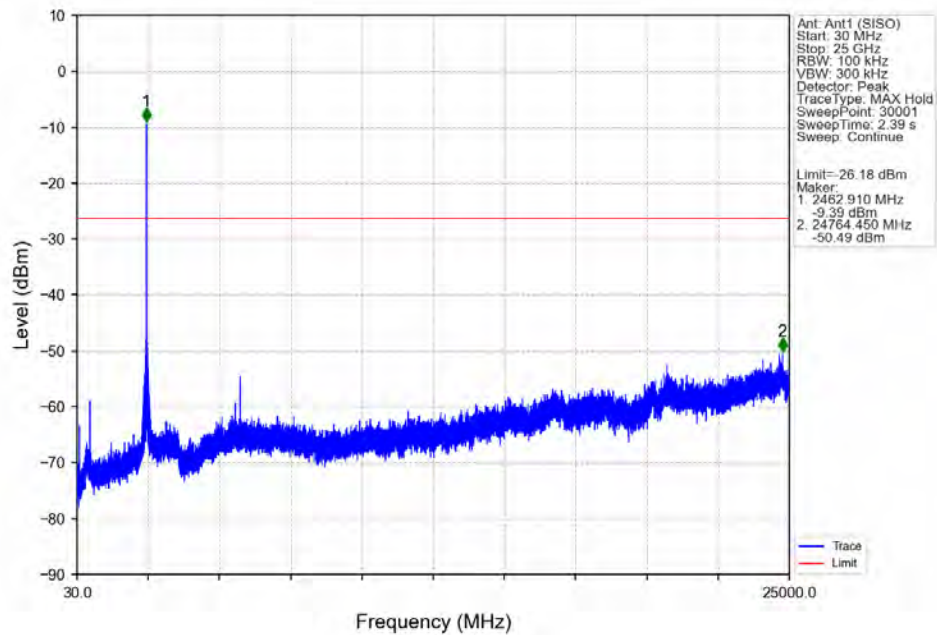




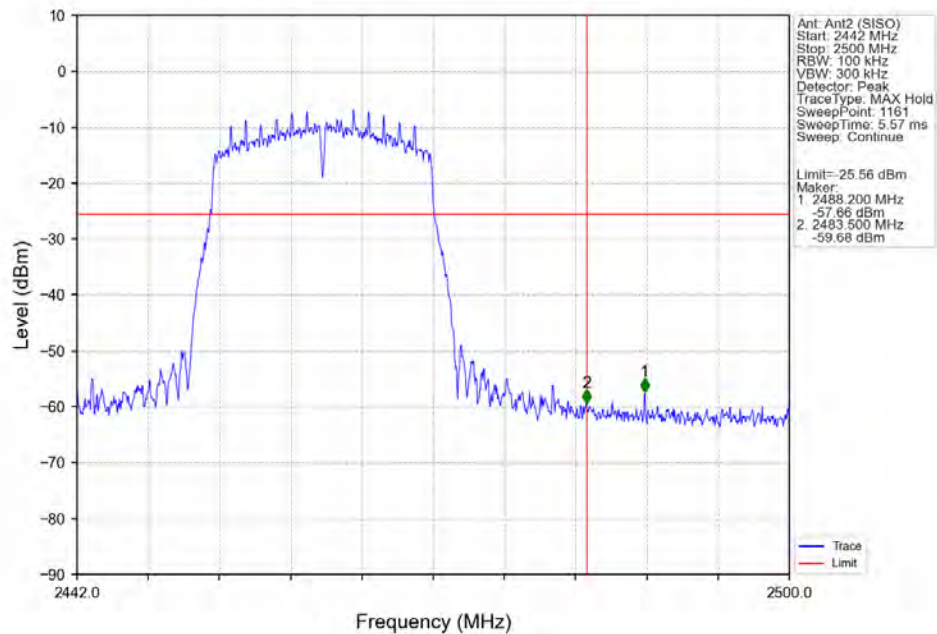




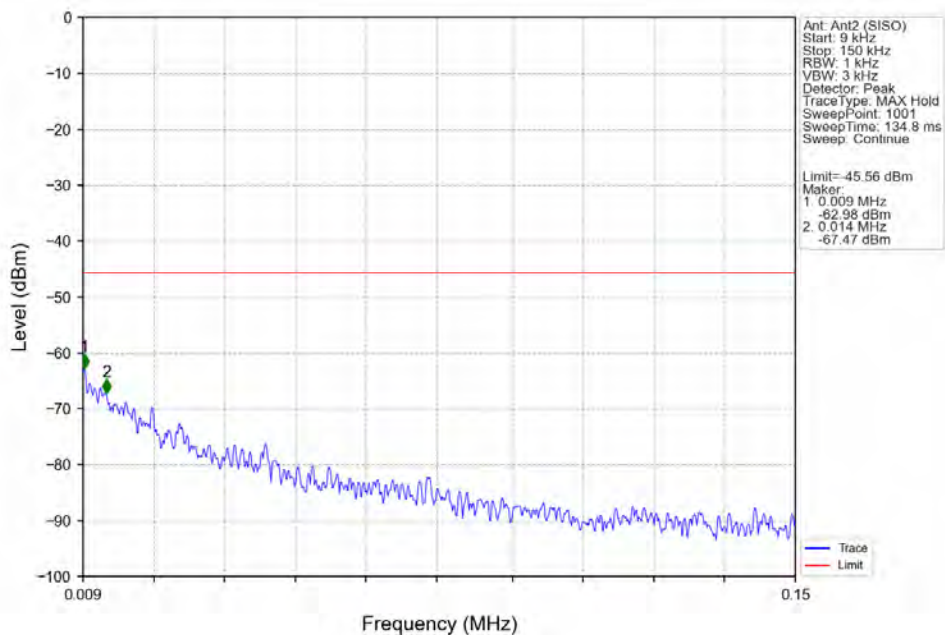
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



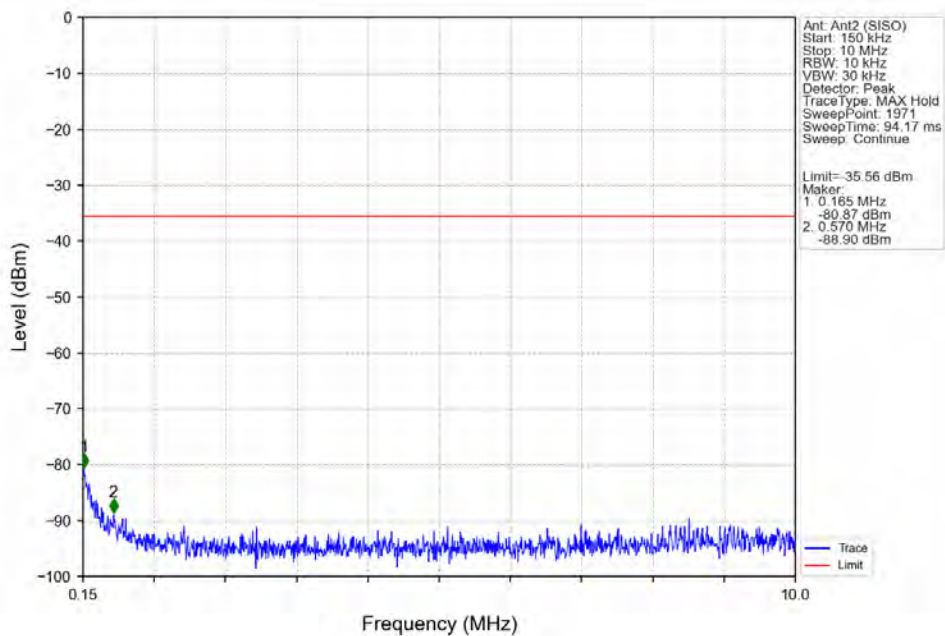
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV

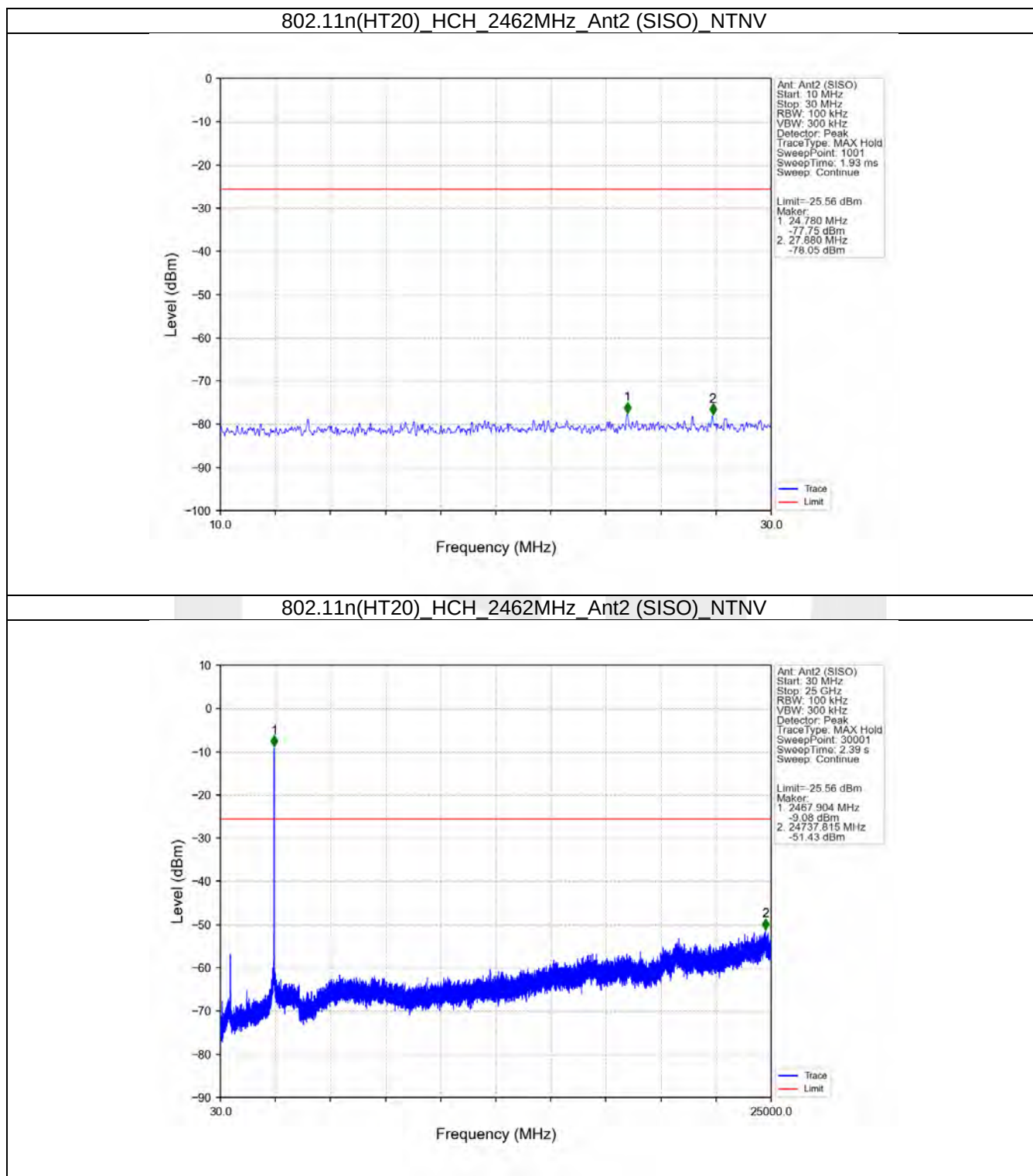


802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV

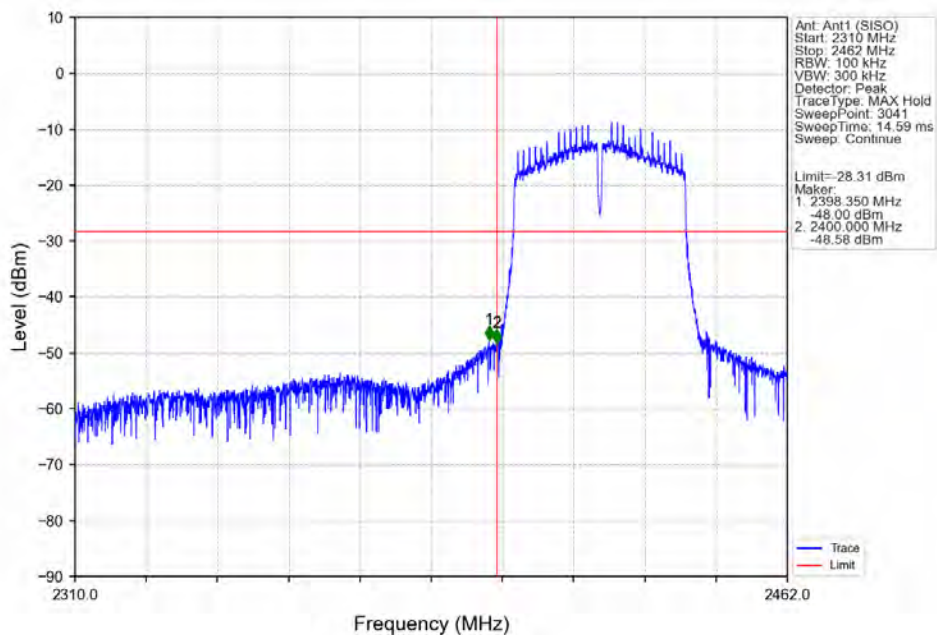


802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV

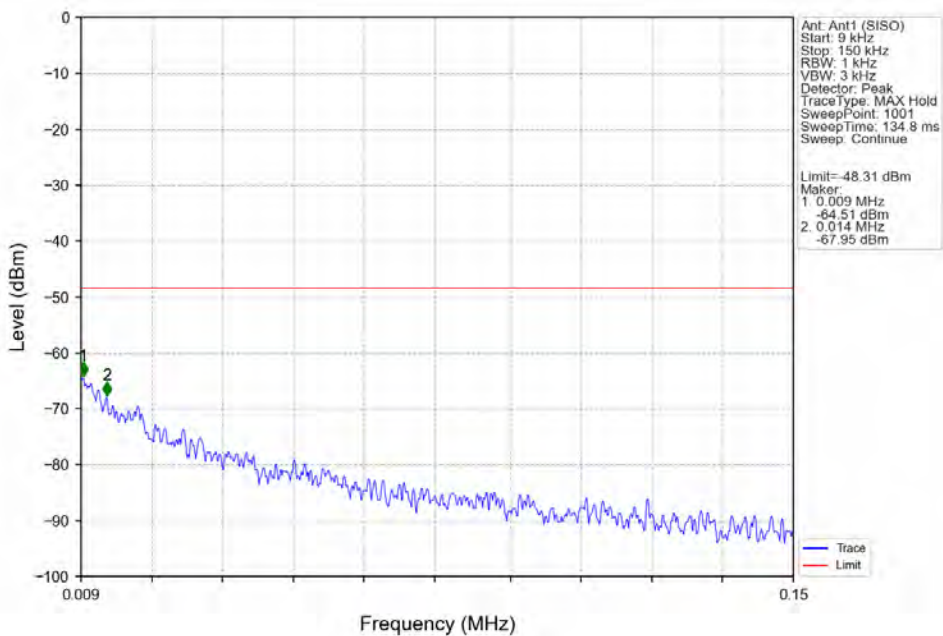




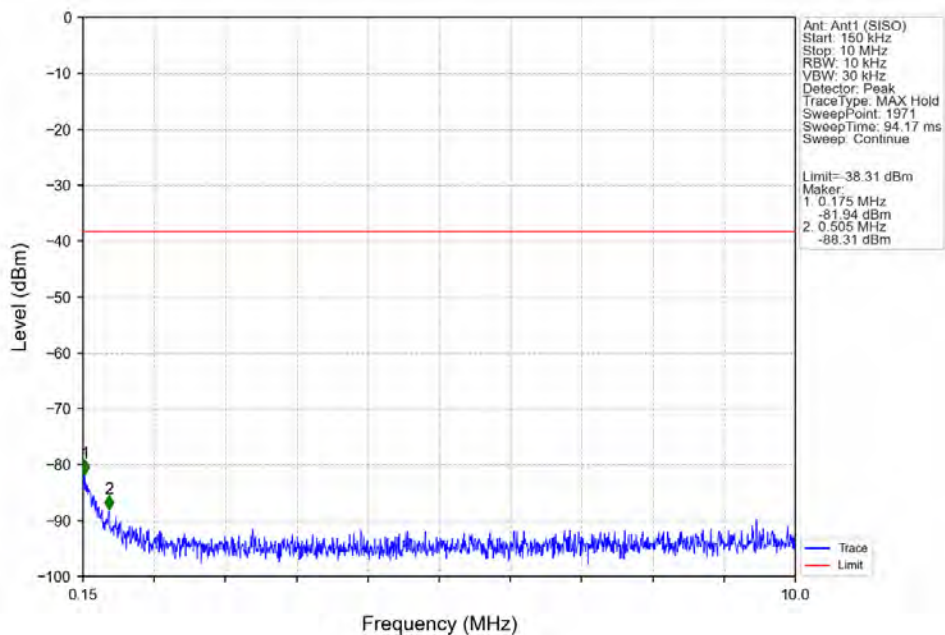
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



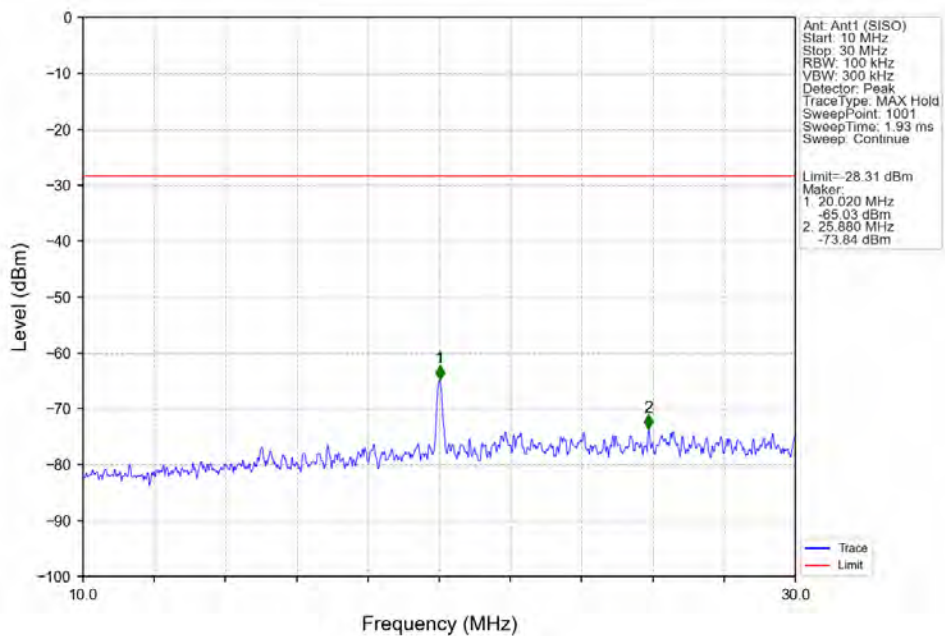
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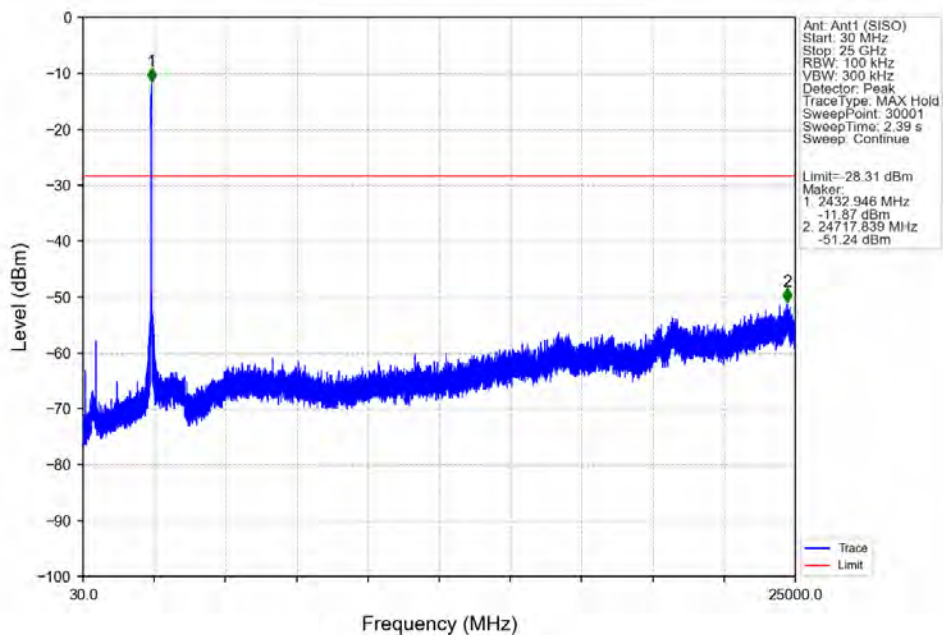
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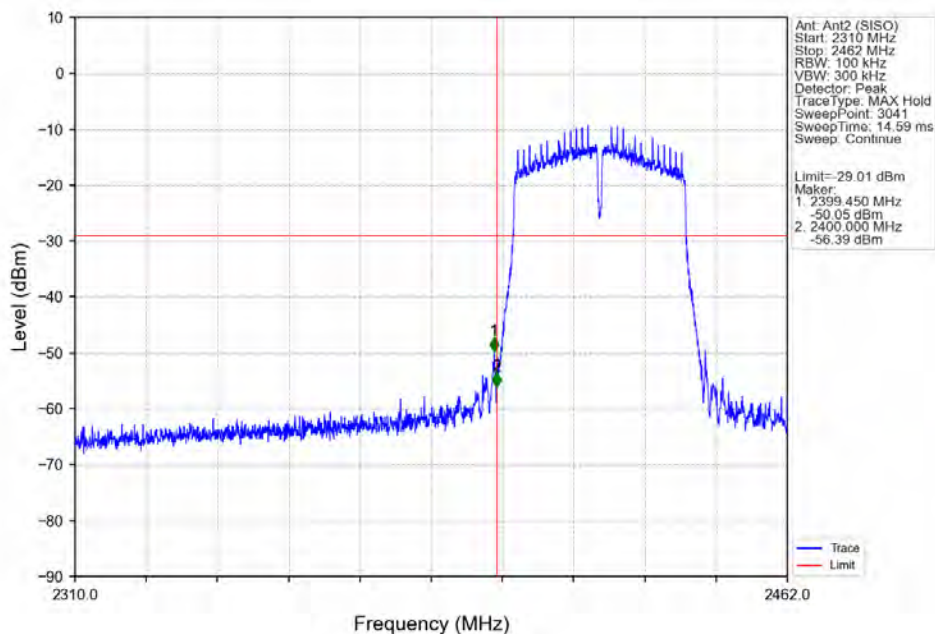
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



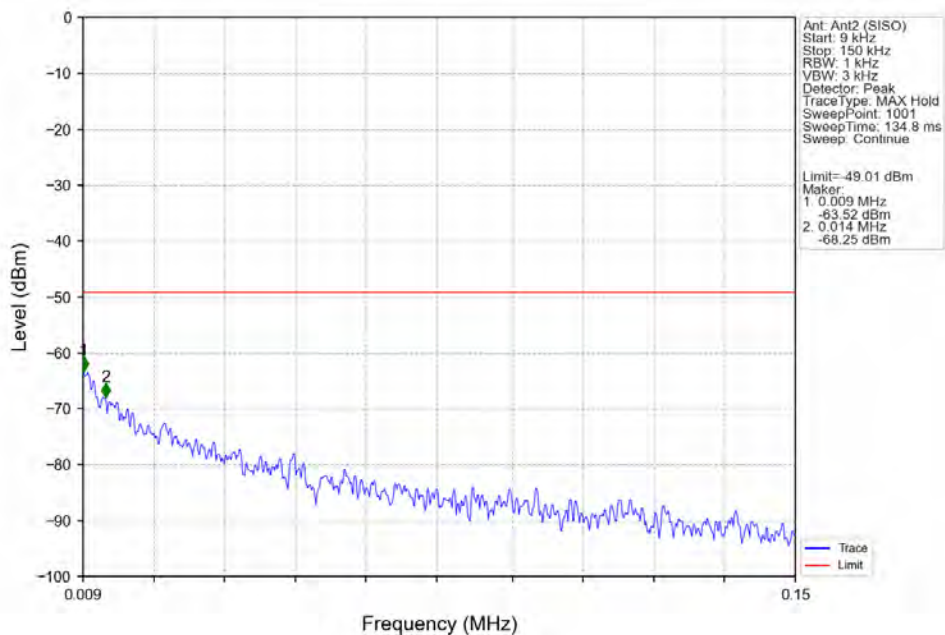
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



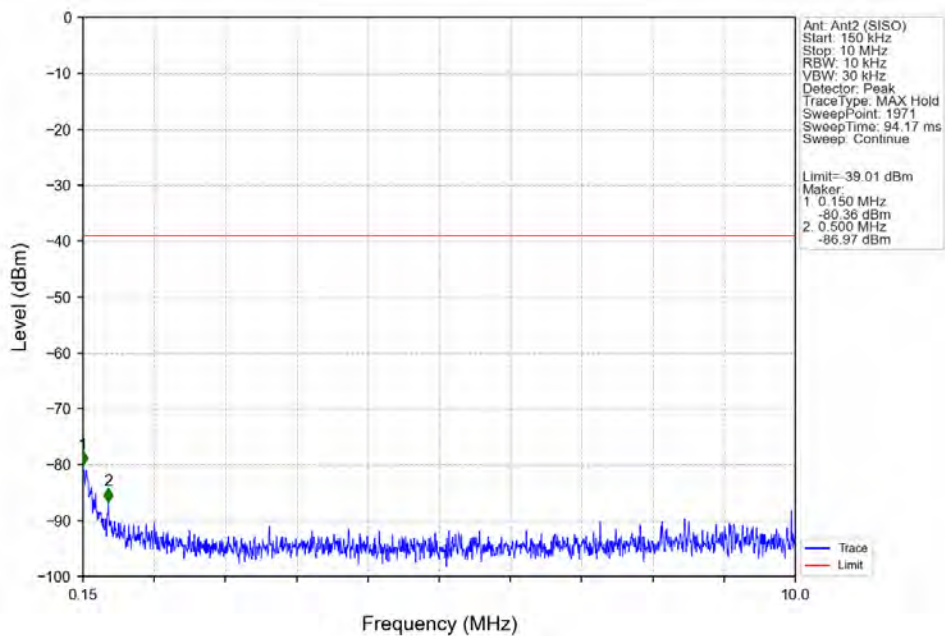
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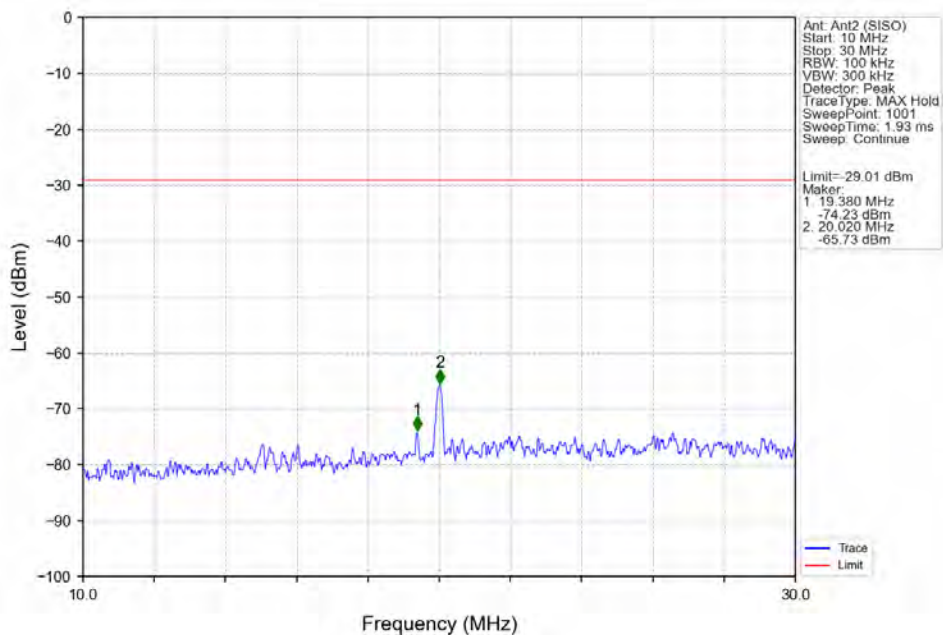
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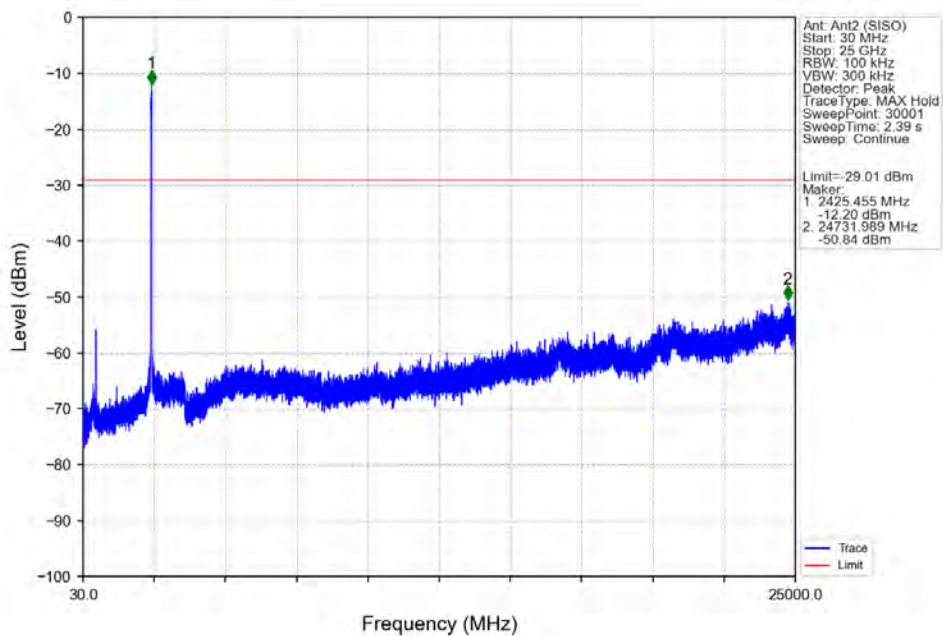
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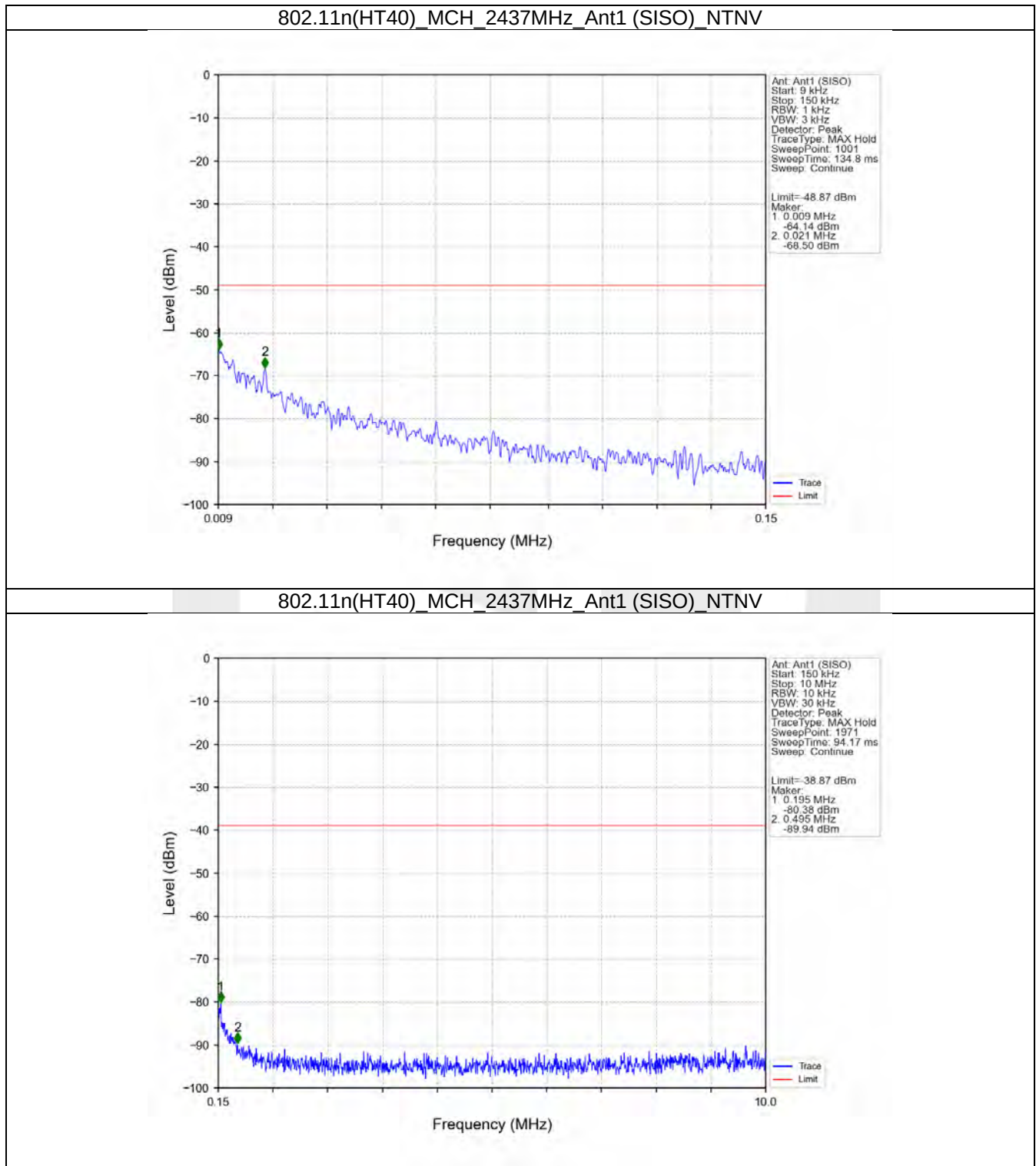


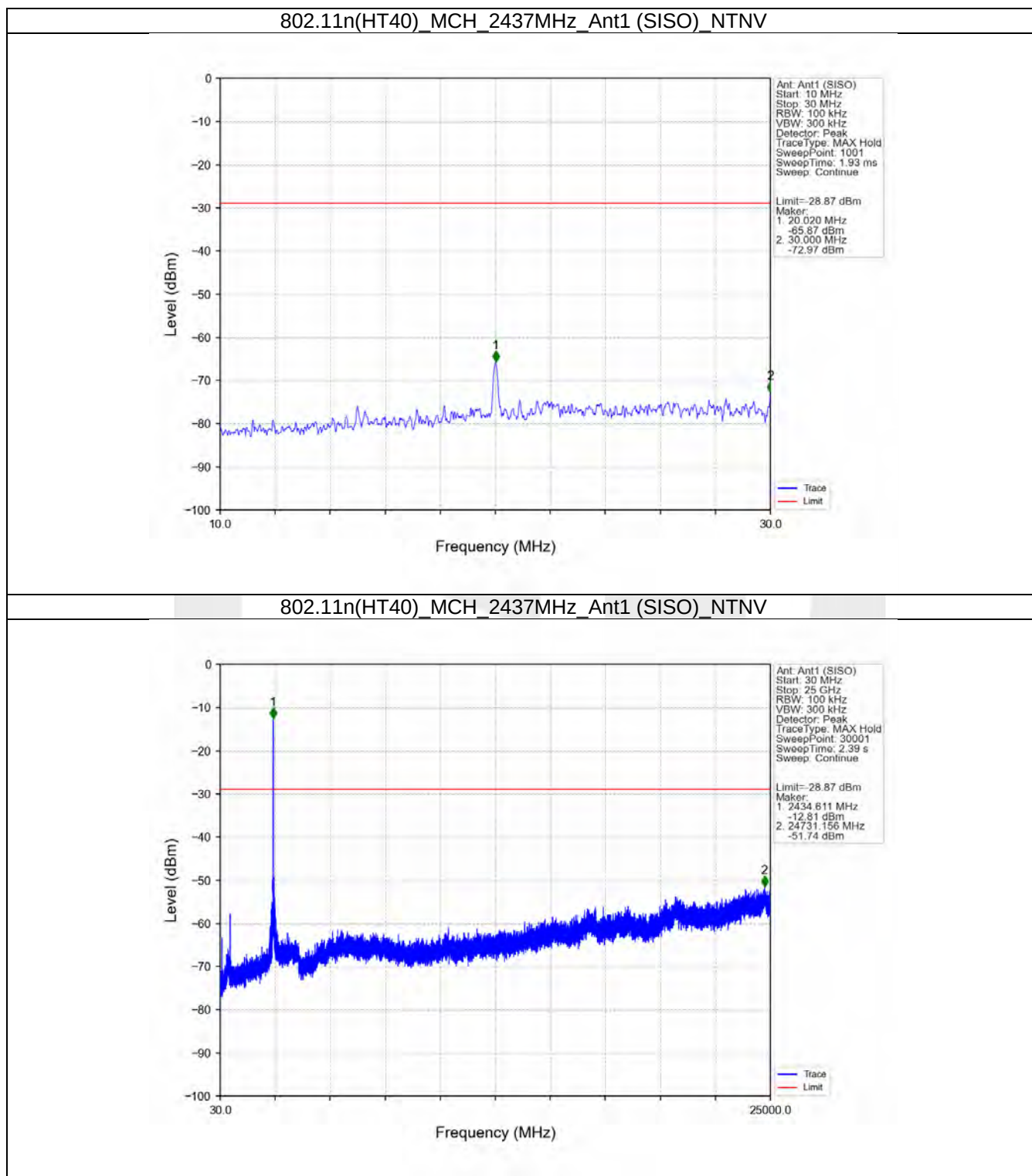
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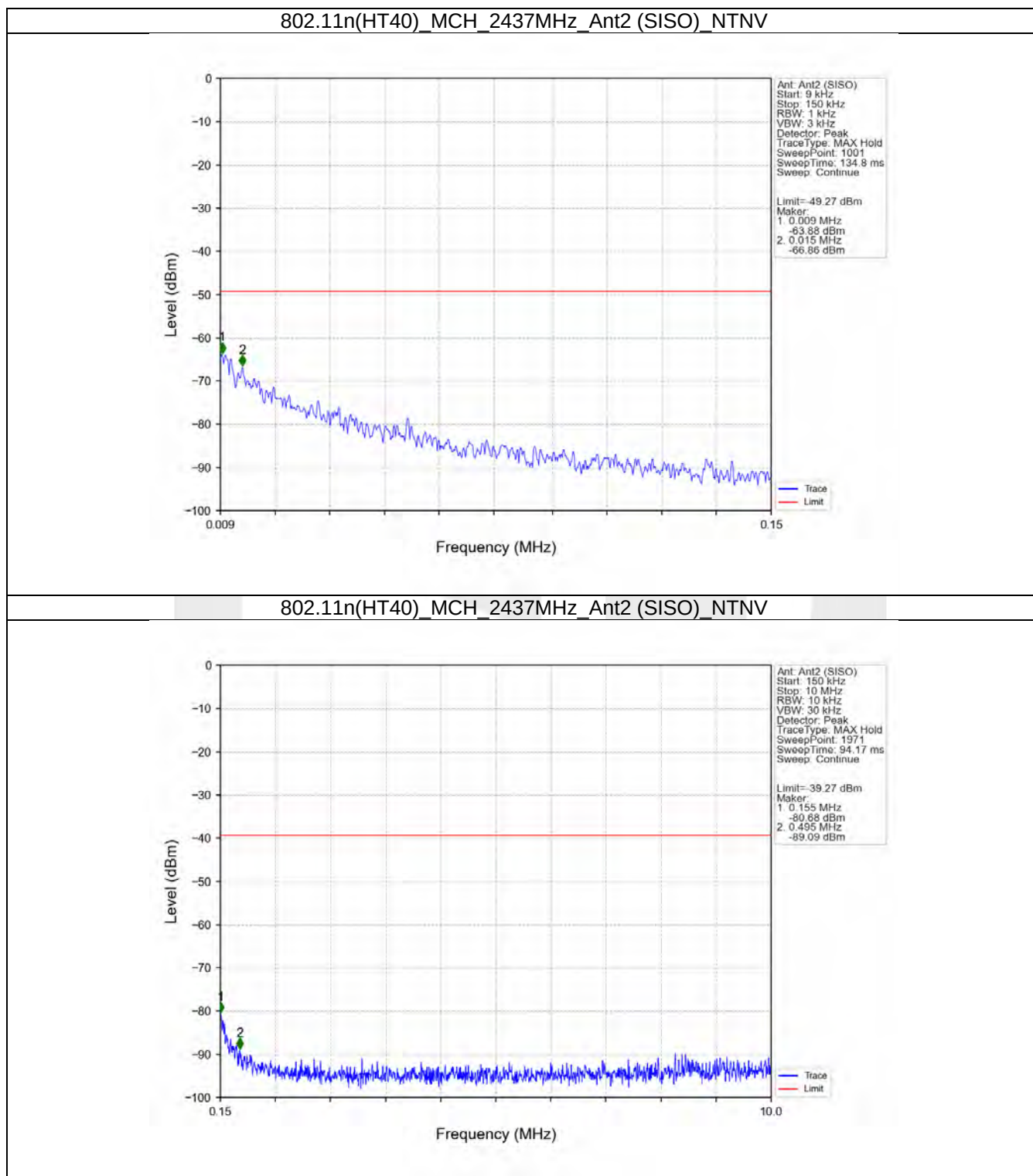


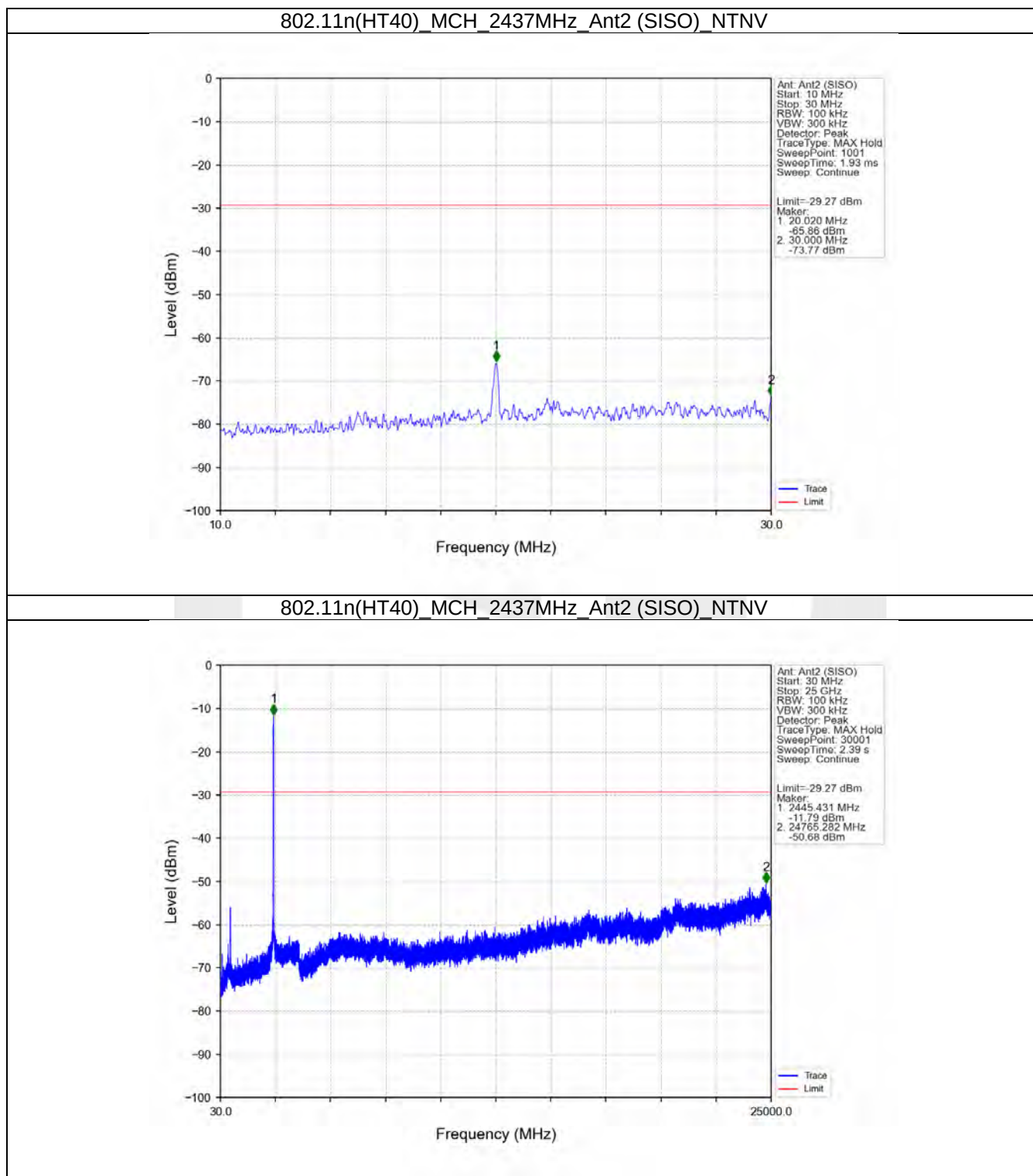
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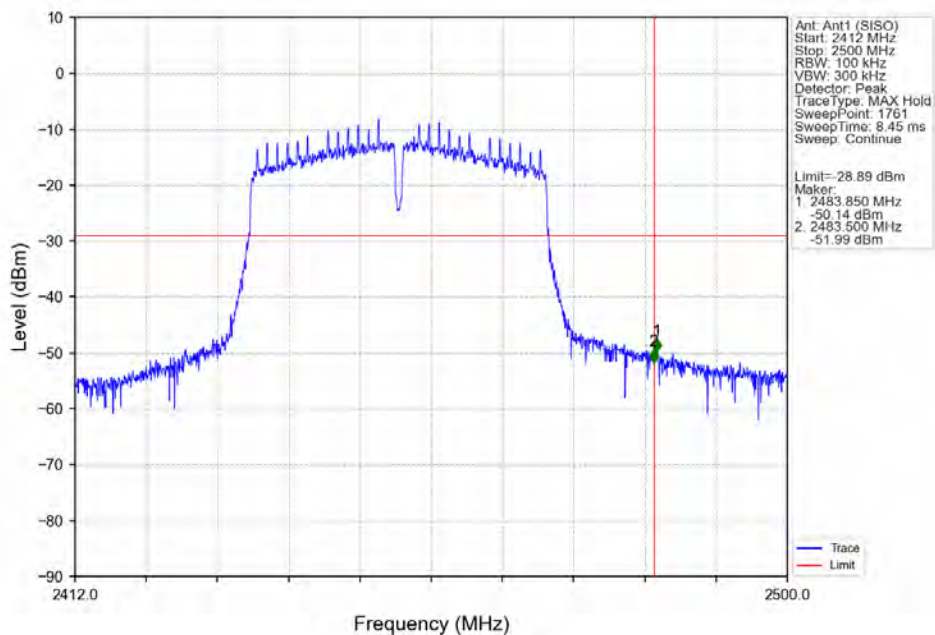




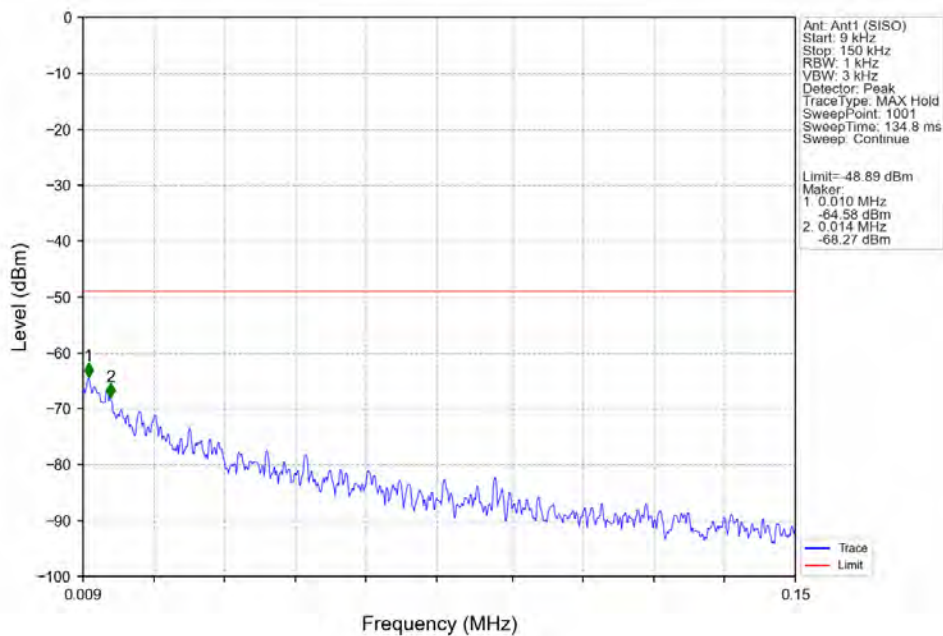




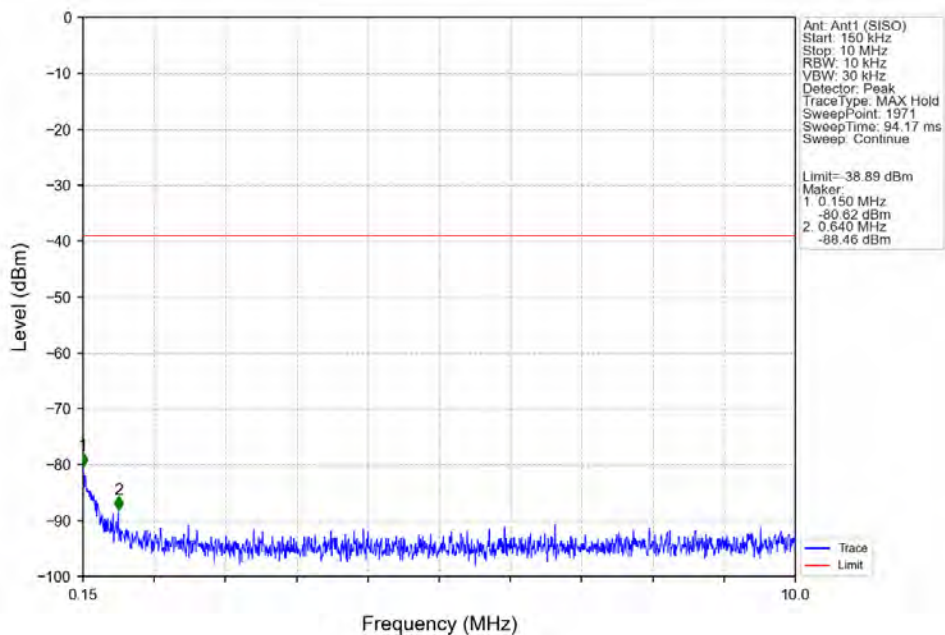
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



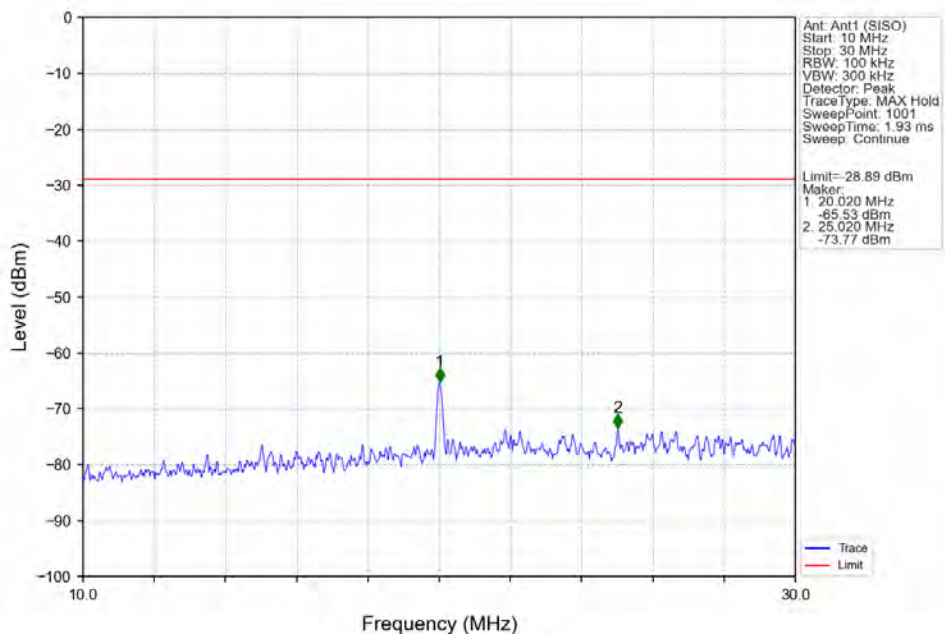
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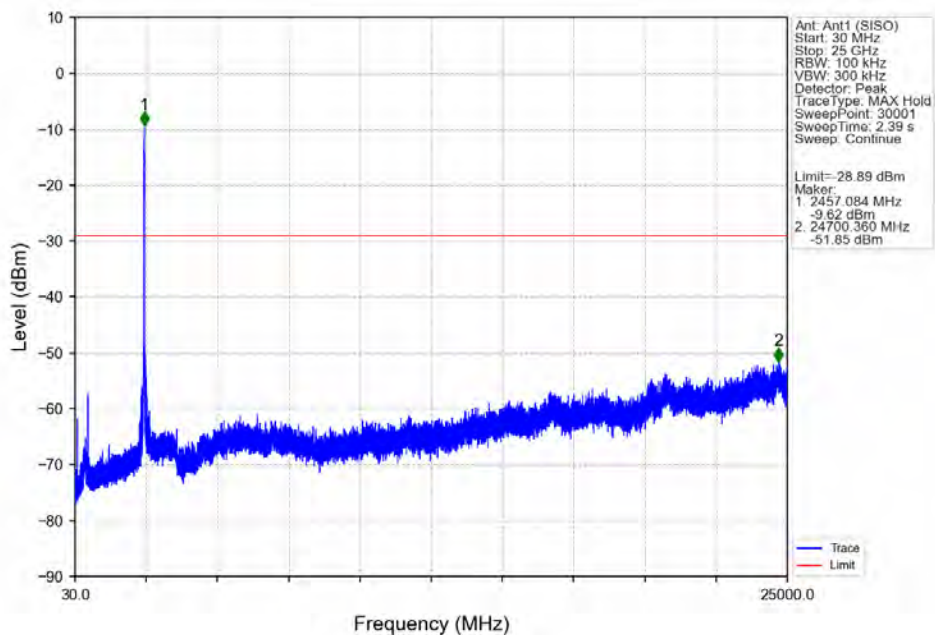
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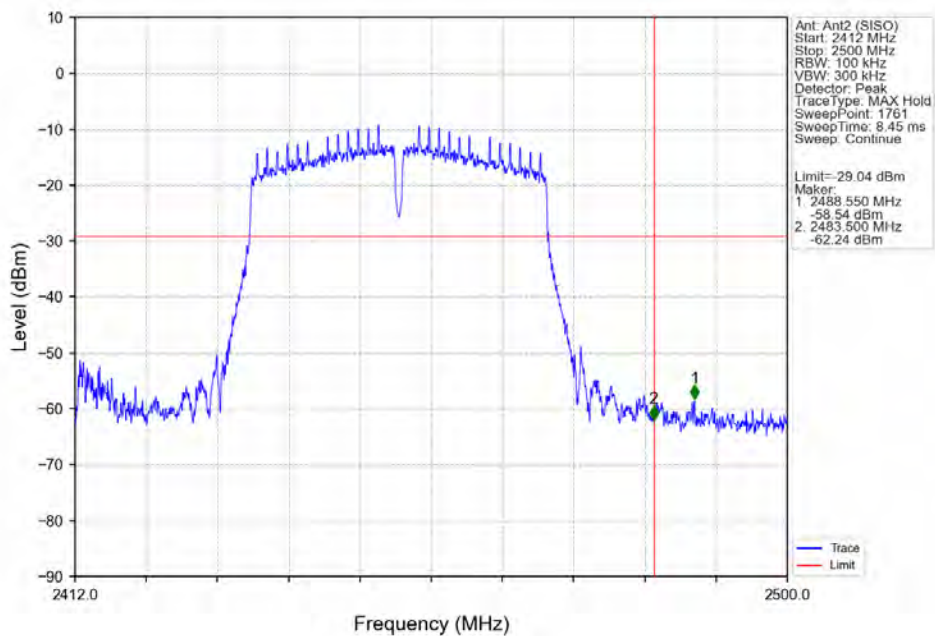
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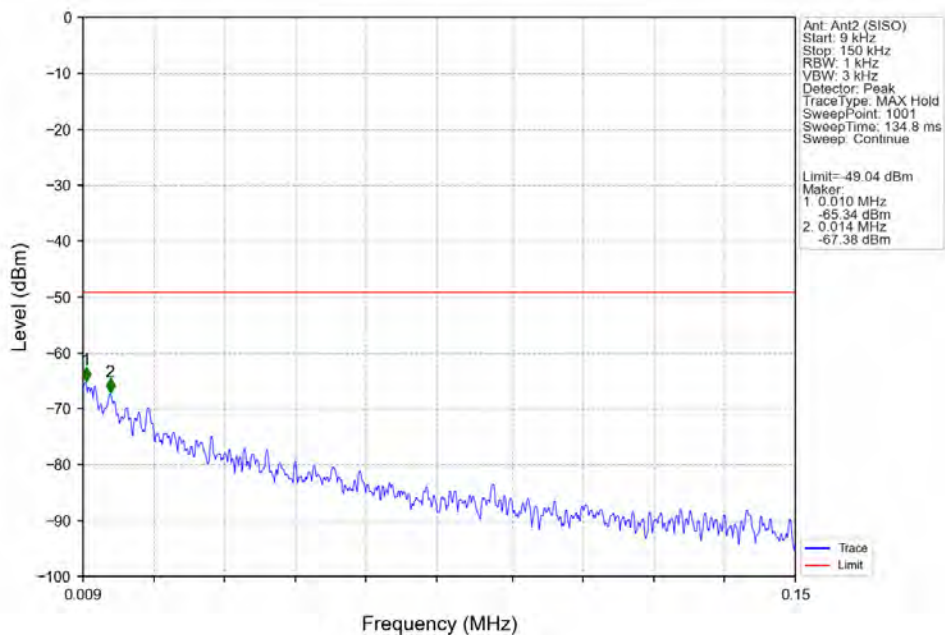
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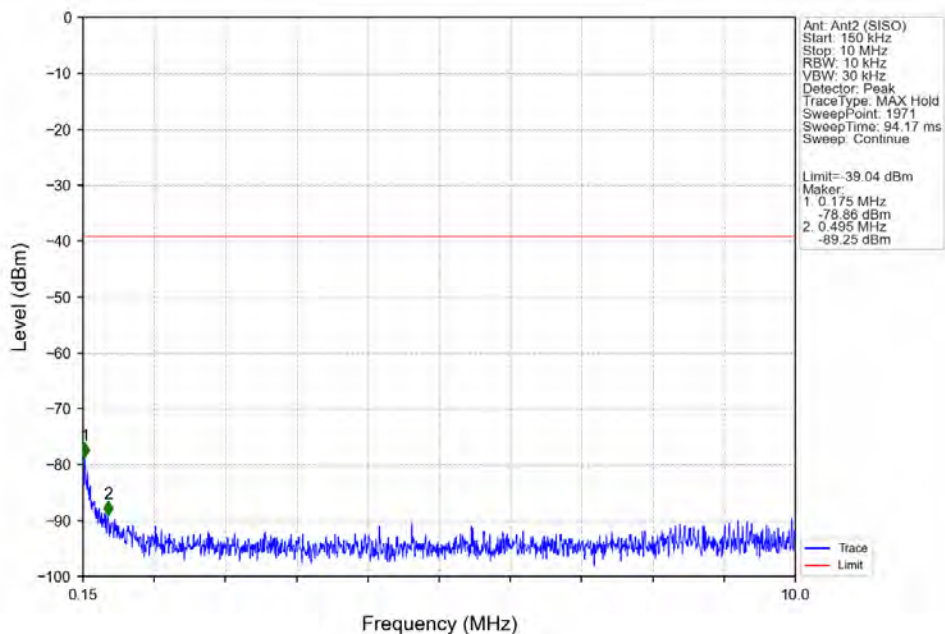
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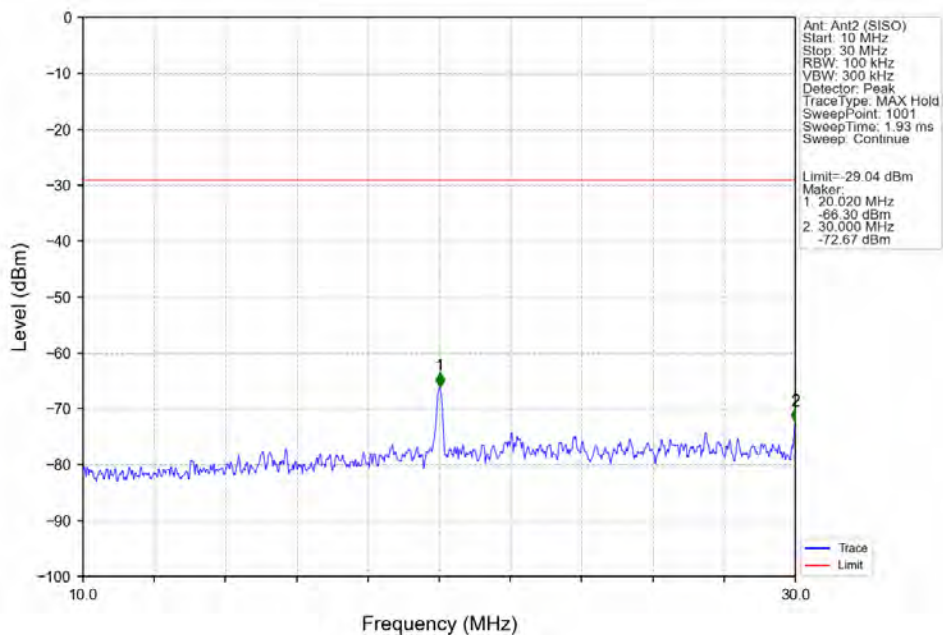
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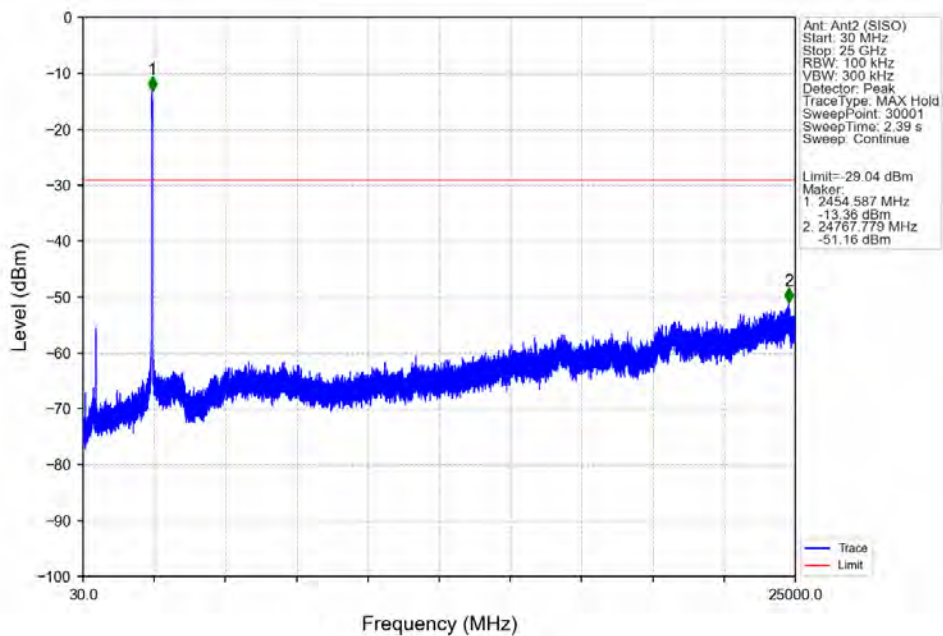
802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



----- End of Report -----