

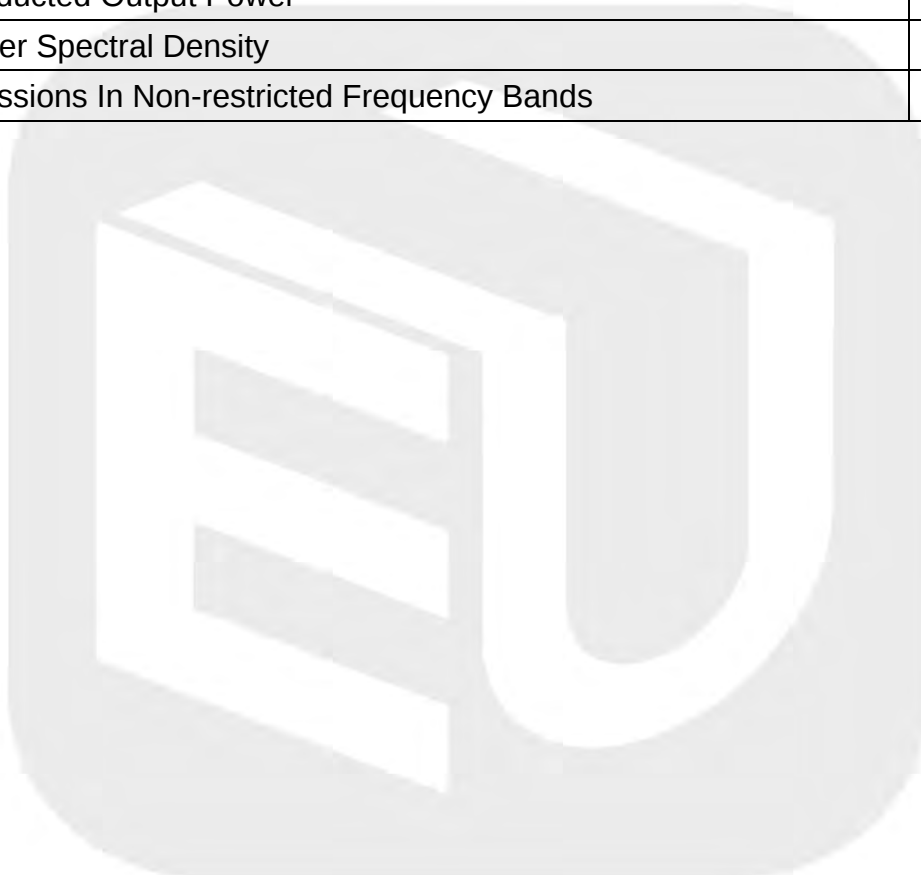
ANNEX F TEST DATA

For

Project No.:	8333EU011815W
Client:	SHENZHEN ELECTRON TECHNOLOGY CO., LTD.
Product Description:	Android Digital Signage
Model No.:	WT1539T
FCC ID:	2ABC5-E0103
Technology:	WiFi 2.4G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2025-09-02

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

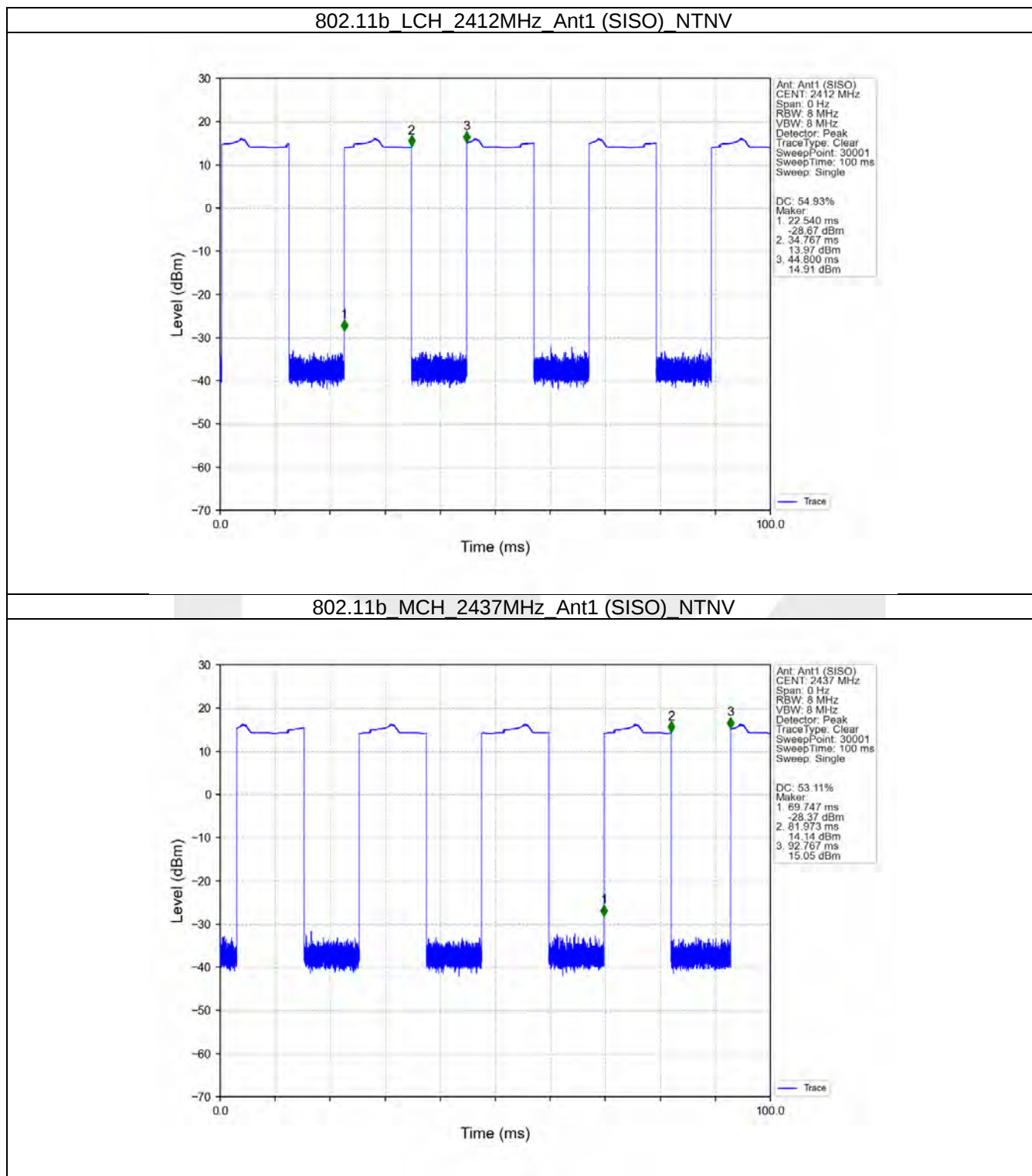
1.1 Test Result

1.1.1 Ant1

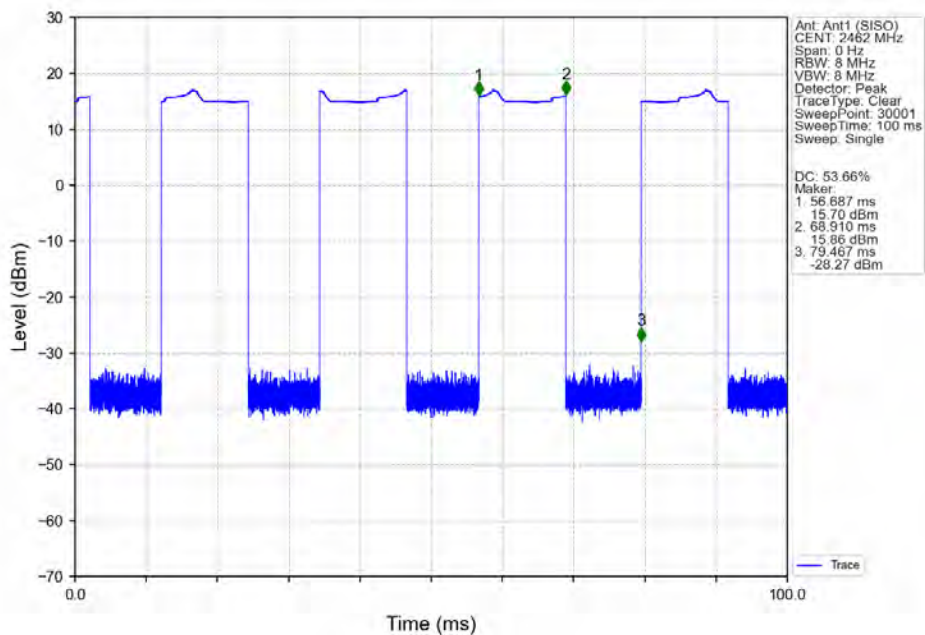
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	12.227	22.260	54.93	2.60	0.05
		2437	/	/	12.226	23.020	53.11	2.75	1.86
		2462	/	/	12.223	22.780	53.66	2.70	1.31
802.11g	SISO	2412	/	/	2.033	12.063	16.85	7.73	0.01
		2437	/	/	2.034	14.540	13.99	8.54	2.89
		2462	/	/	2.034	15.144	13.43	8.72	3.47
802.11n (HT20)	SISO	2412	/	/	1.893	13.807	13.71	8.63	2.20
		2437	/	/	1.896	14.463	13.11	8.82	2.80
		2462	/	/	1.894	12.050	15.72	8.04	0.18
802.11n (HT40)	SISO	2422	/	/	0.934	10.964	8.52	10.70	0.01
		2437	/	/	0.933	13.003	7.18	11.44	1.35
		2452	/	/	0.934	10.964	8.52	10.70	0.01
802.11ax (HEW20)	SISO	2412	SU	/	1.464	13.704	10.68	9.71	2.07
		2437	SU	/	1.460	11.487	12.71	8.96	0.03
		2462	SU	/	1.460	11.490	12.71	8.96	0.04
802.11ax (HEW40)	SISO	2422	SU	/	0.763	12.963	5.89	12.30	1.19
		2437	SU	/	0.763	11.056	6.90	11.61	0.18
		2452	SU	/	0.764	15.710	4.86	13.13	2.23

1.2 Test Graph

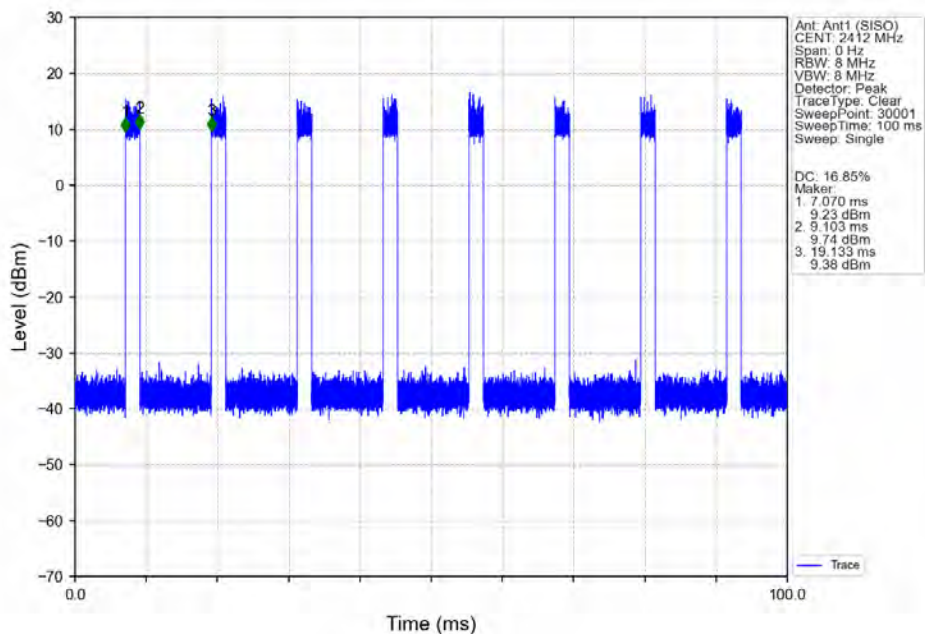
1.2.1 Ant1



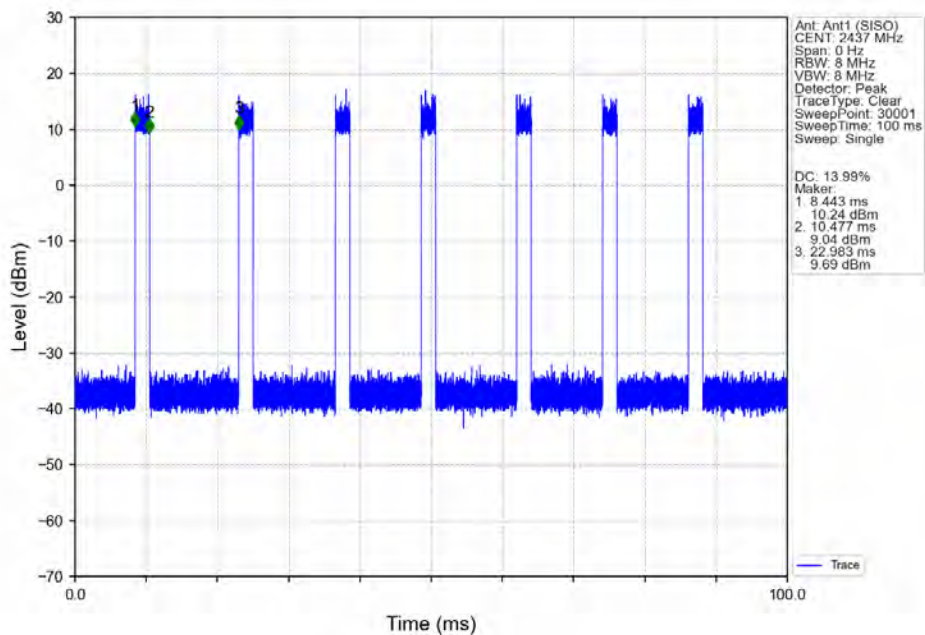
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



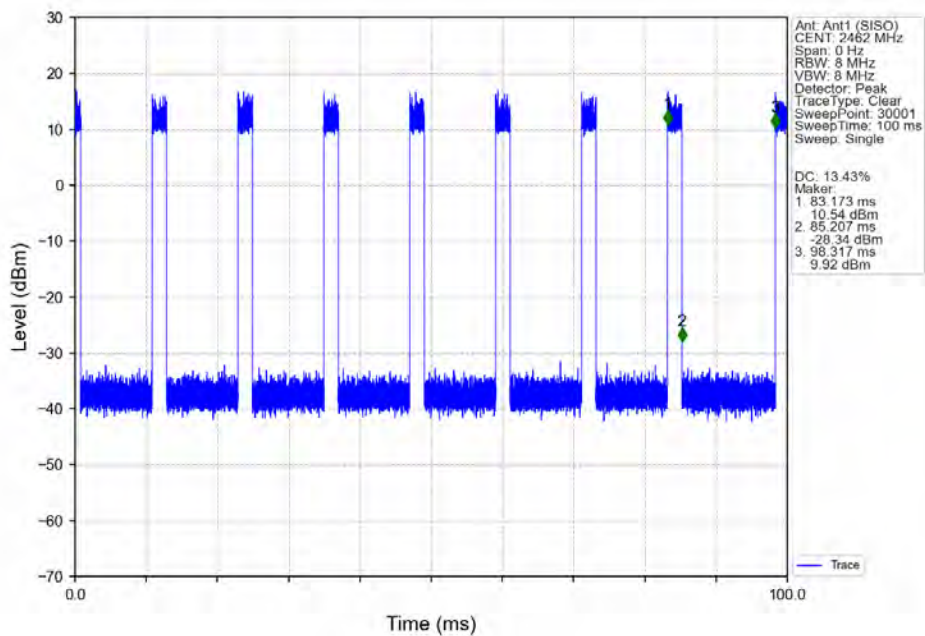
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



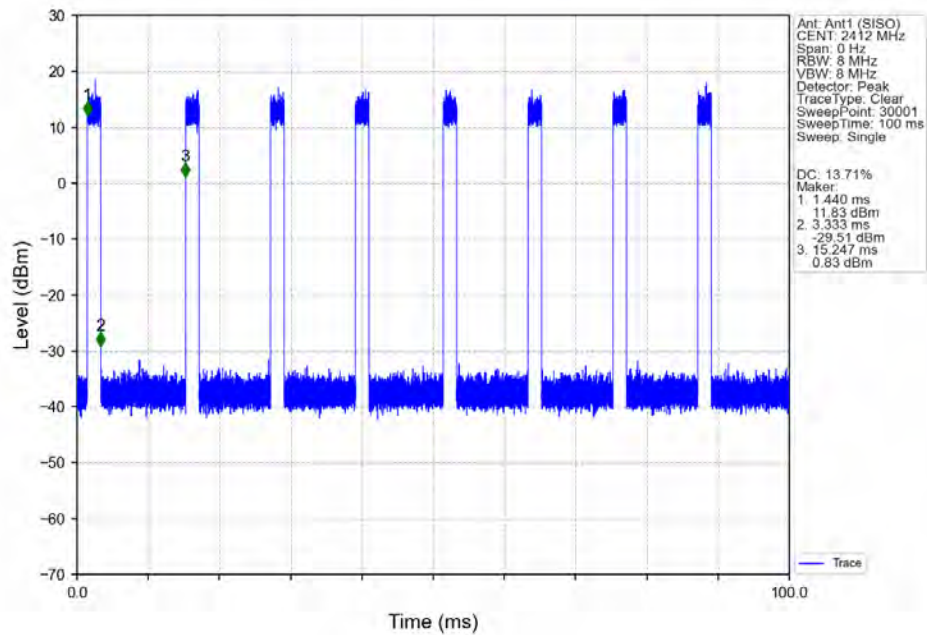
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



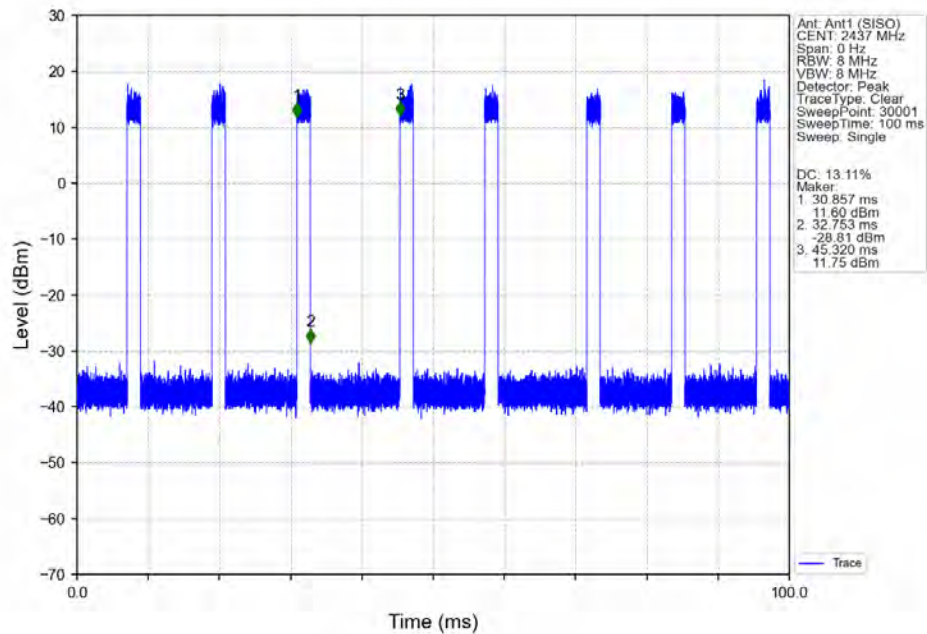
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



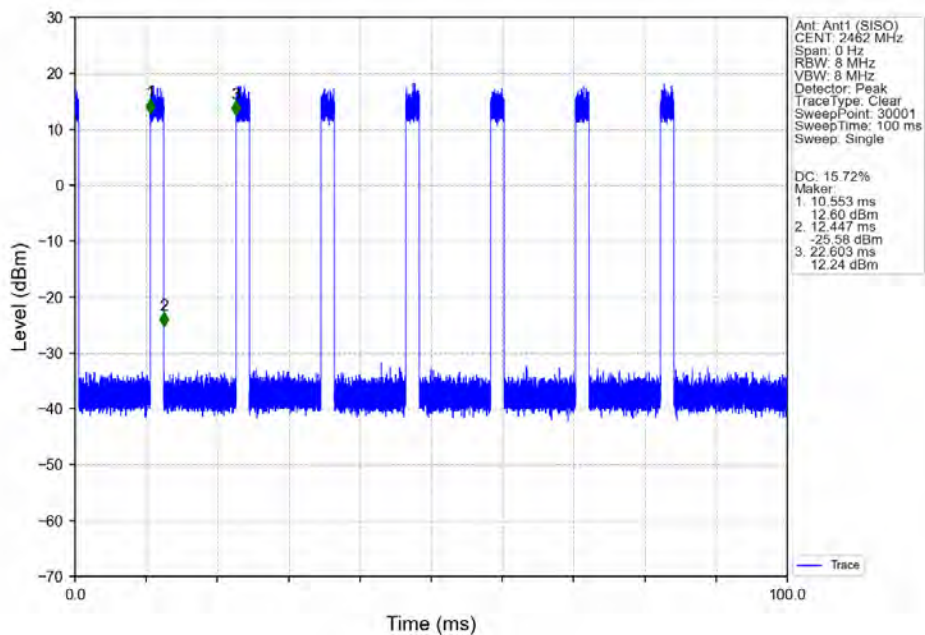
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



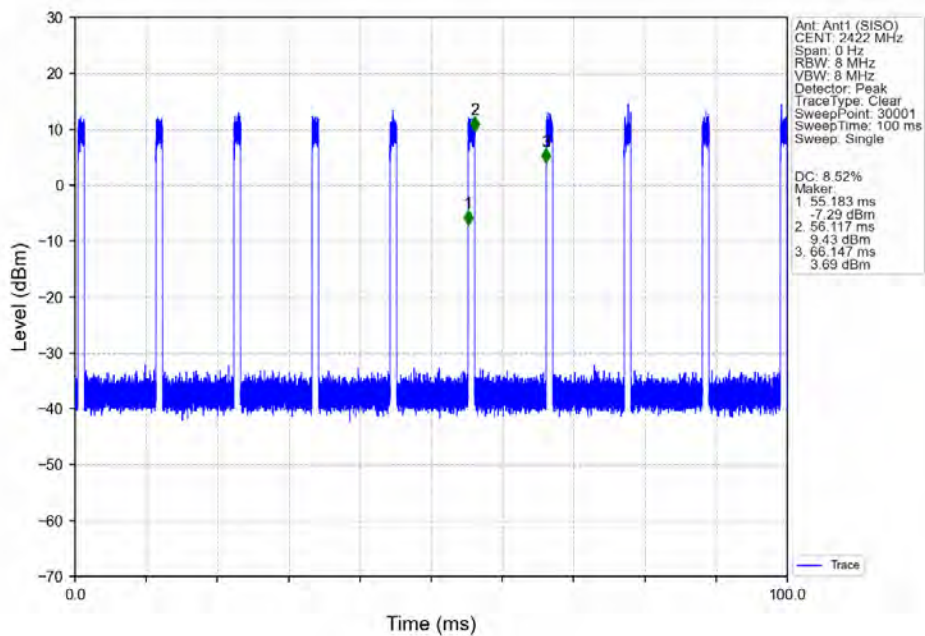
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

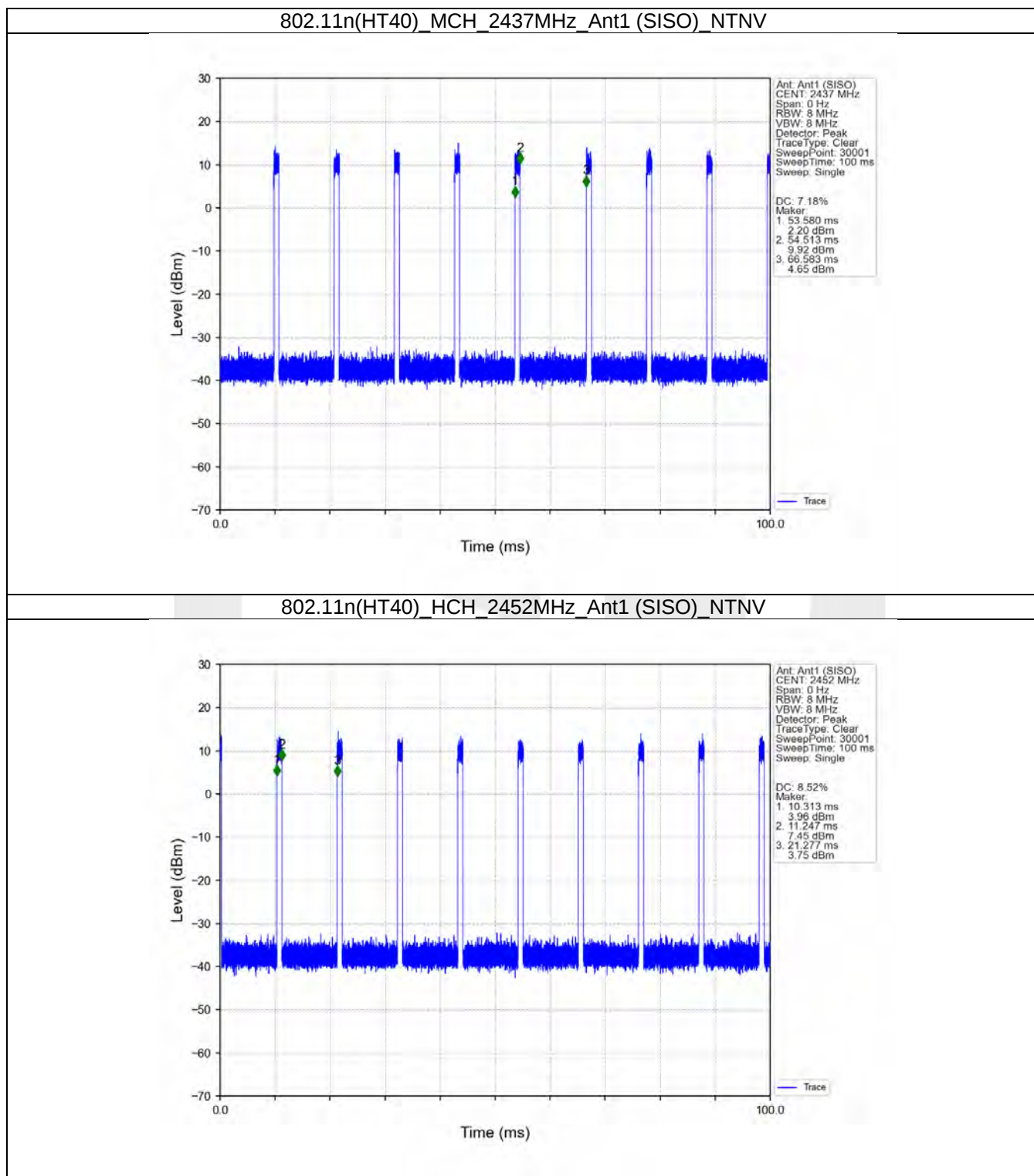


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

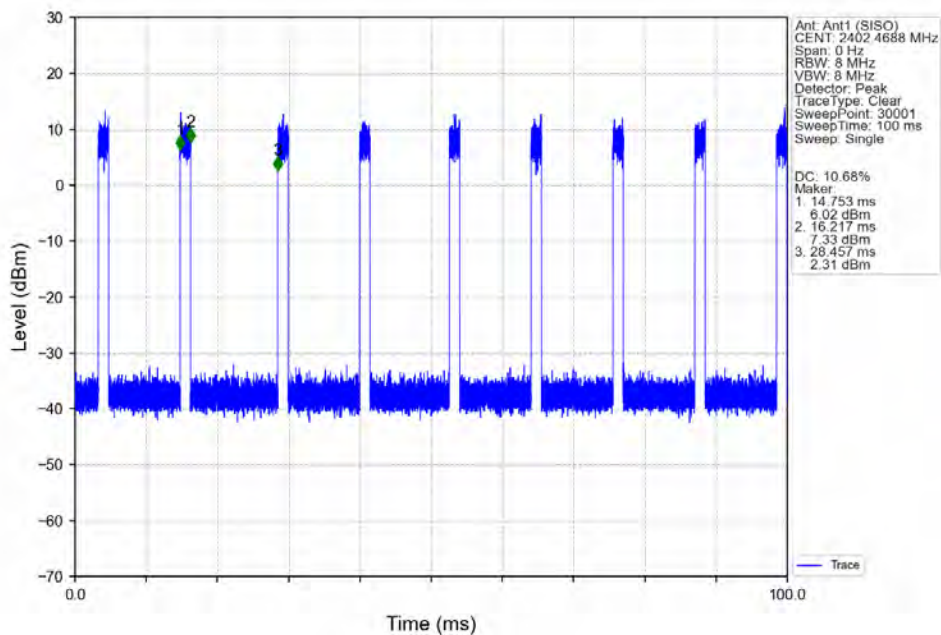


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

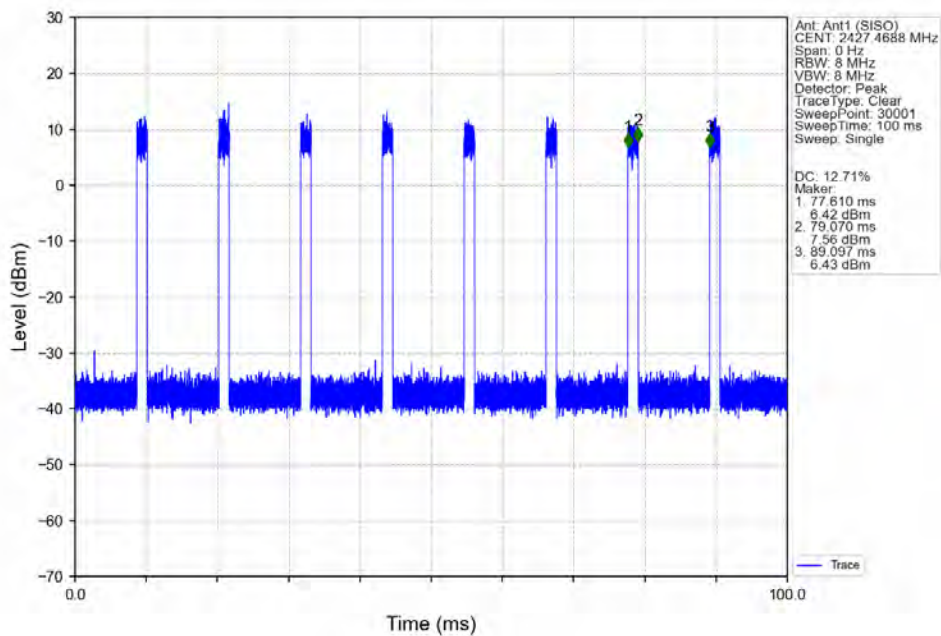




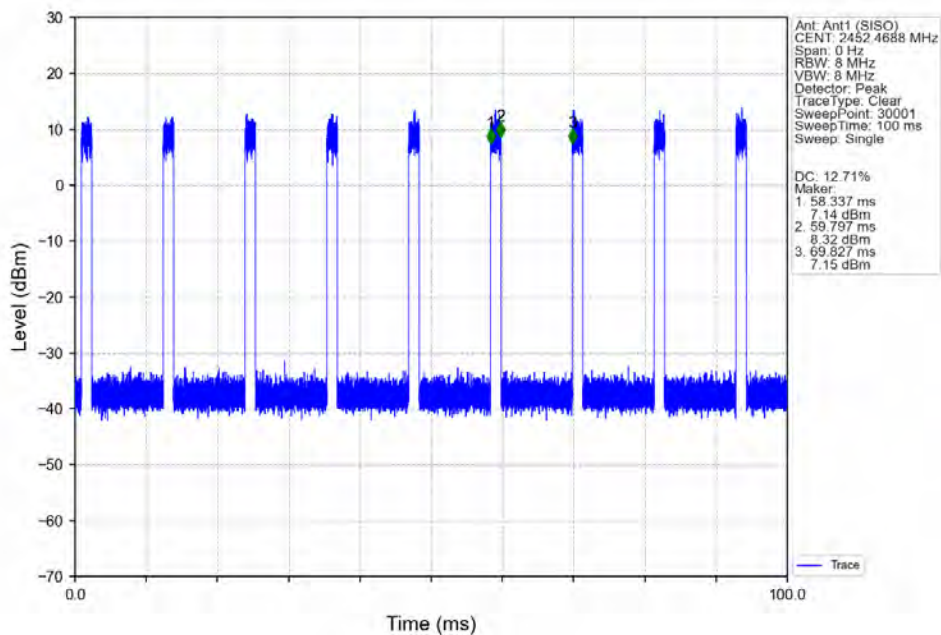
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



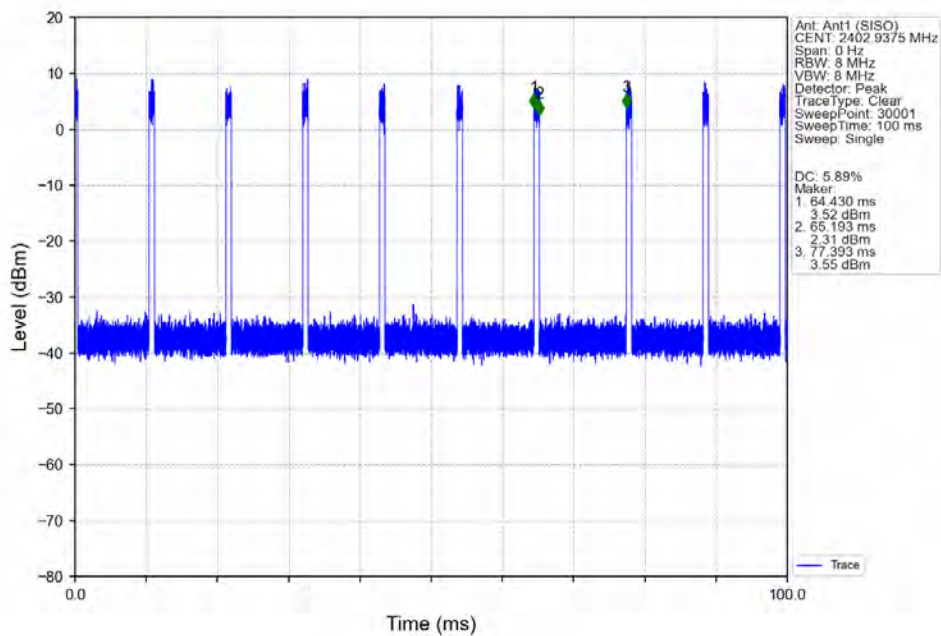
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO)_NTNV



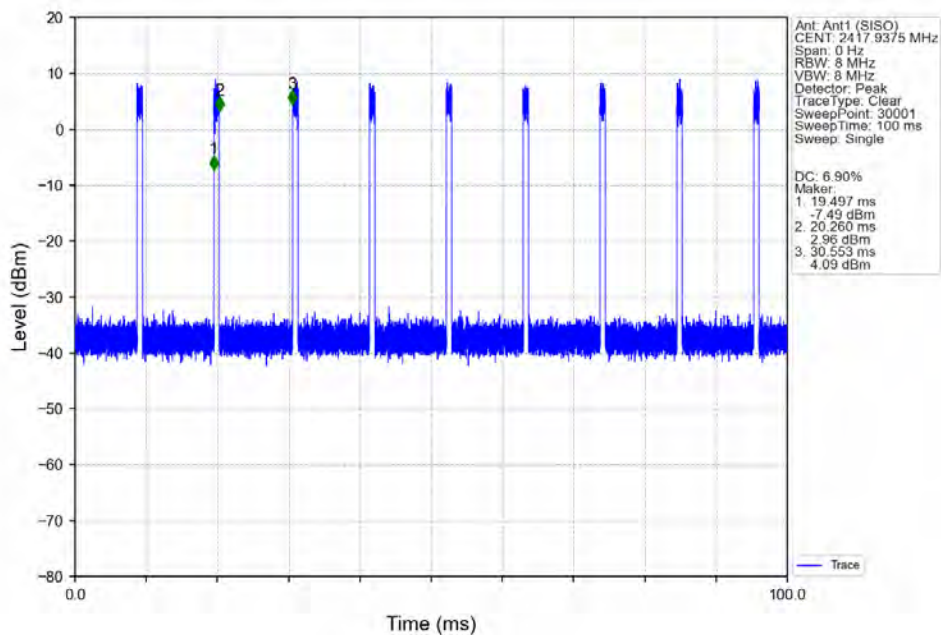
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (SISO)_NTNV



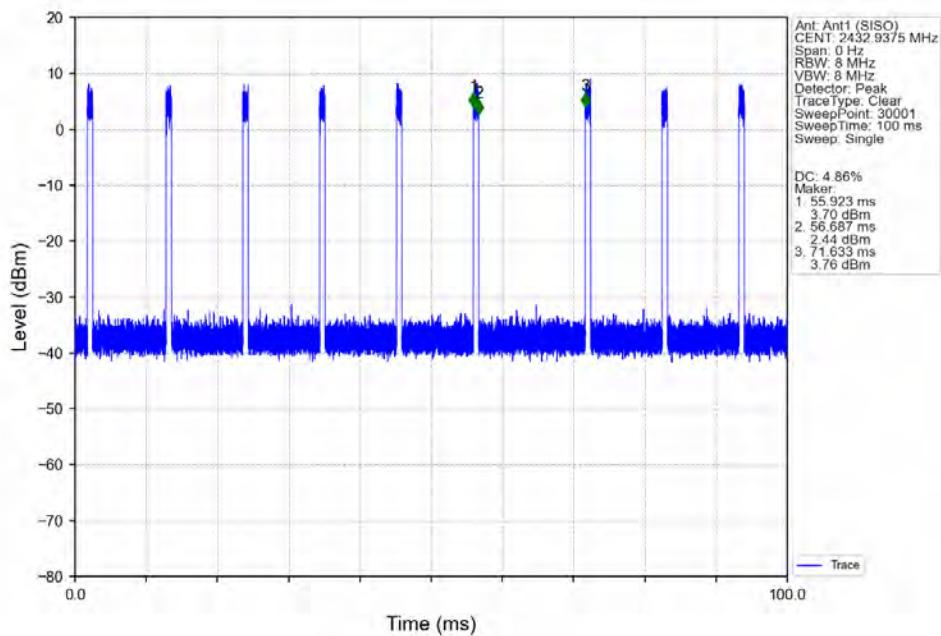
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (SISO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

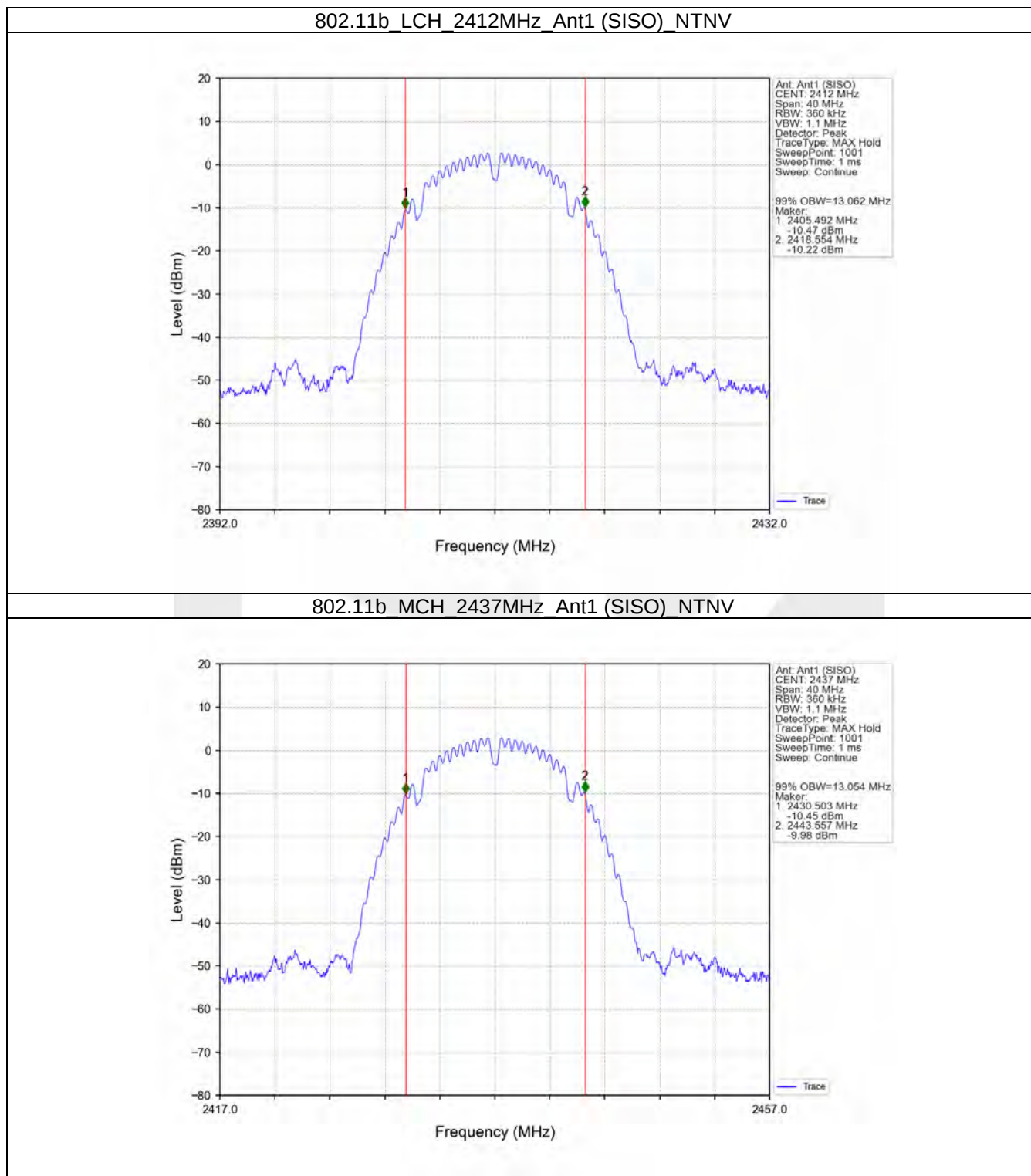
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	13.062	/	Pass
		2437	/	/	1	13.054	/	Pass
		2462	/	/	1	13.047	/	Pass
802.11g	SISO	2412	/	/	1	18.020	/	Pass
		2437	/	/	1	18.147	/	Pass
		2462	/	/	1	18.113	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	19.223	/	Pass
		2437	/	/	1	19.204	/	Pass
		2462	/	/	1	19.091	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	37.169	/	Pass
		2437	/	/	1	37.065	/	Pass
		2452	/	/	1	37.168	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	19.433	/	Pass
		2437	SU	/	1	19.551	/	Pass
		2462	SU	/	1	19.395	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	38.169	/	Pass
		2437	SU	/	1	38.344	/	Pass
		2452	SU	/	1	38.142	/	Pass

2.1.2 6dB BW

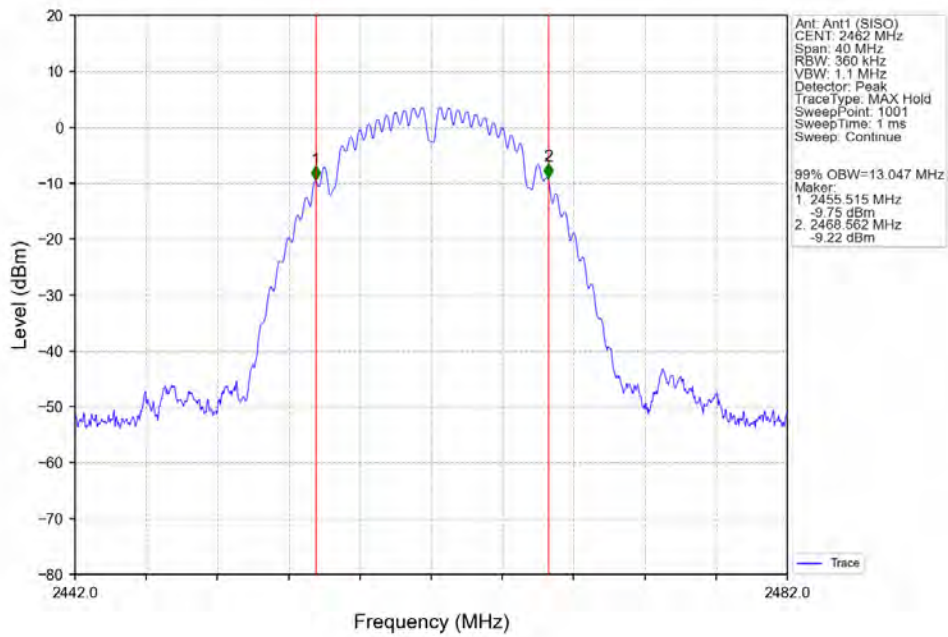
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	9.246	>=0.5	Pass
		2437	/	/	1	9.242	>=0.5	Pass
		2462	/	/	1	9.237	>=0.5	Pass
802.11g	SISO	2412	/	/	1	16.581	>=0.5	Pass
		2437	/	/	1	16.523	>=0.5	Pass
		2462	/	/	1	16.500	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.819	>=0.5	Pass
		2437	/	/	1	17.532	>=0.5	Pass
		2462	/	/	1	17.527	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.115	>=0.5	Pass
		2437	/	/	1	36.147	>=0.5	Pass
		2452	/	/	1	35.835	>=0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.013	>=0.5	Pass
		2437	SU	/	1	18.659	>=0.5	Pass
		2462	SU	/	1	18.607	>=0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	37.427	>=0.5	Pass
		2437	SU	/	1	37.250	>=0.5	Pass
		2452	SU	/	1	37.628	>=0.5	Pass

2.2 Test Graph

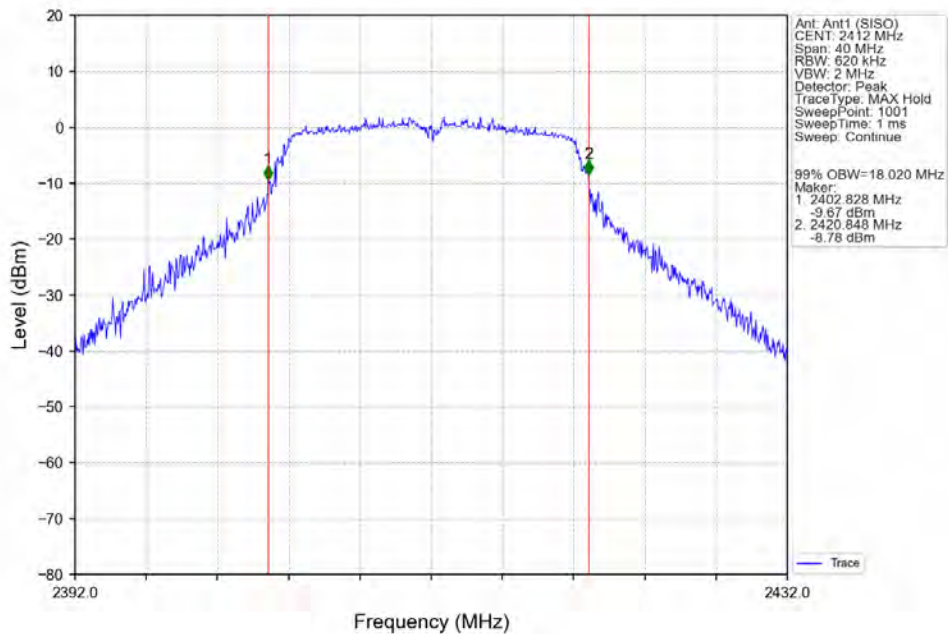
2.2.1 OBW



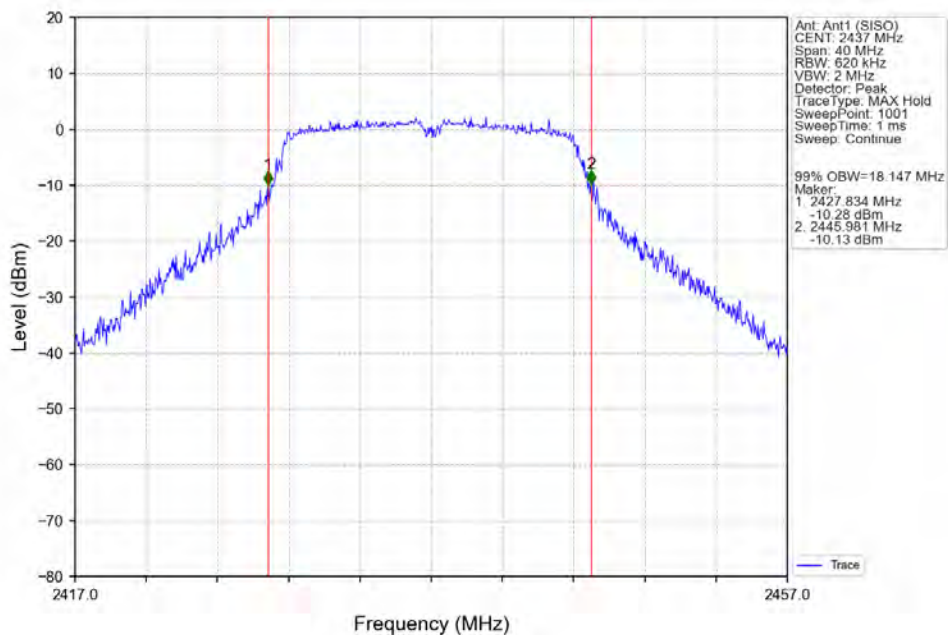
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



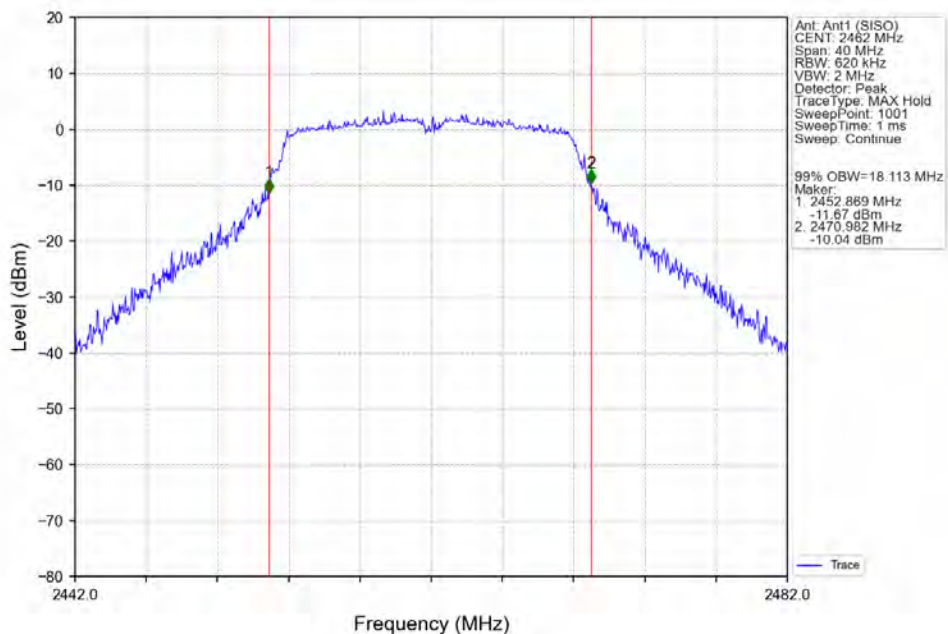
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



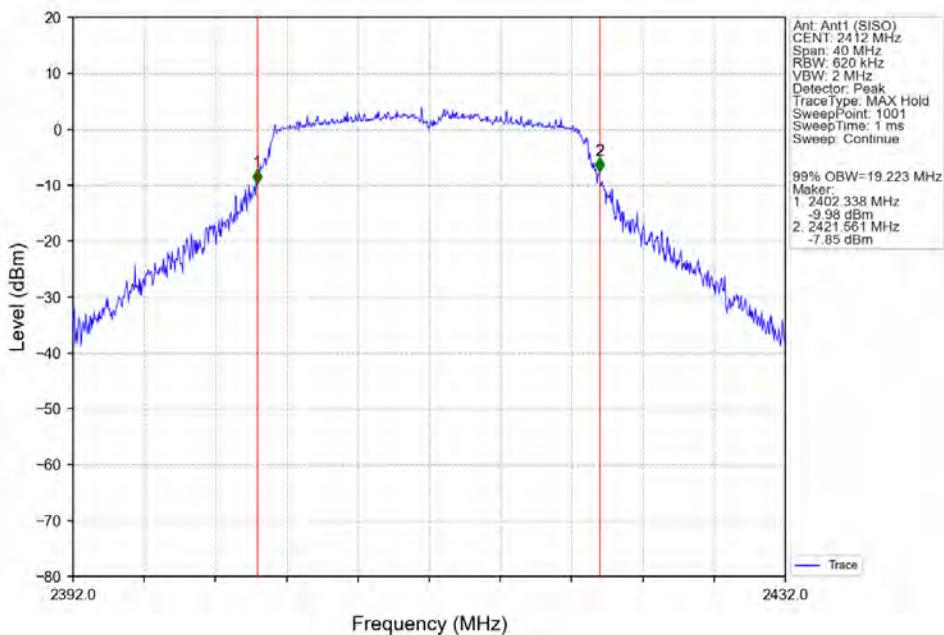
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



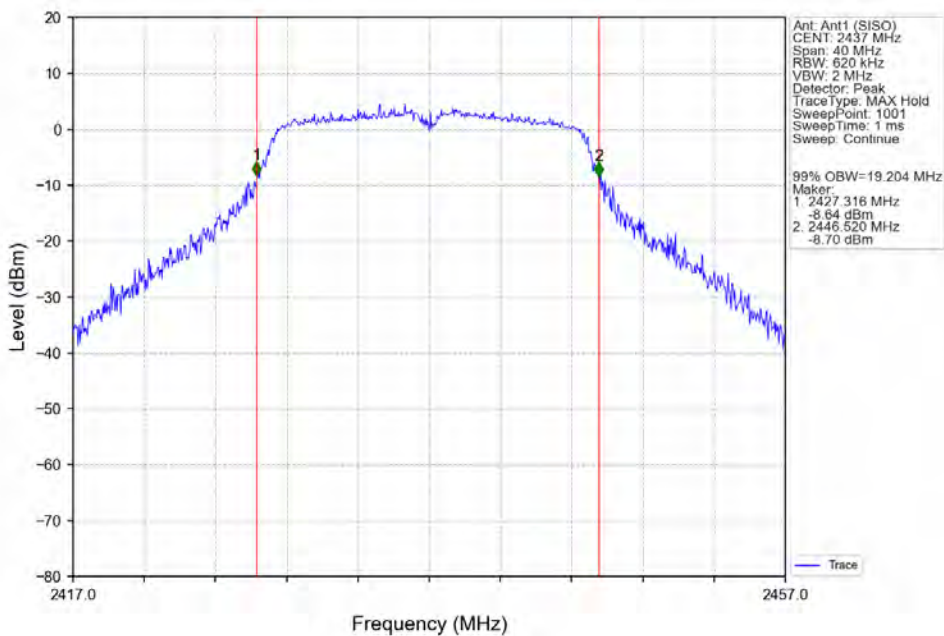
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

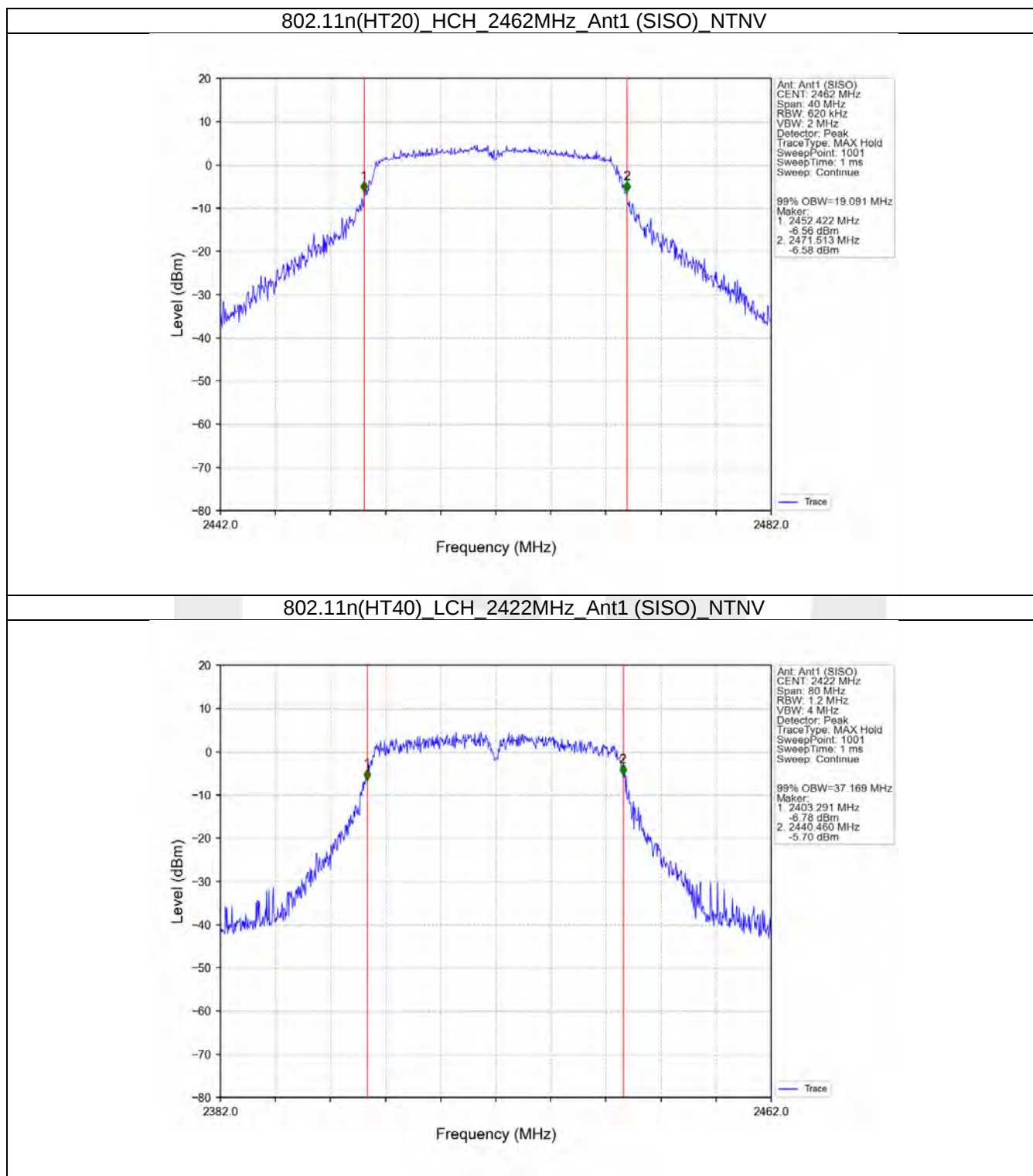


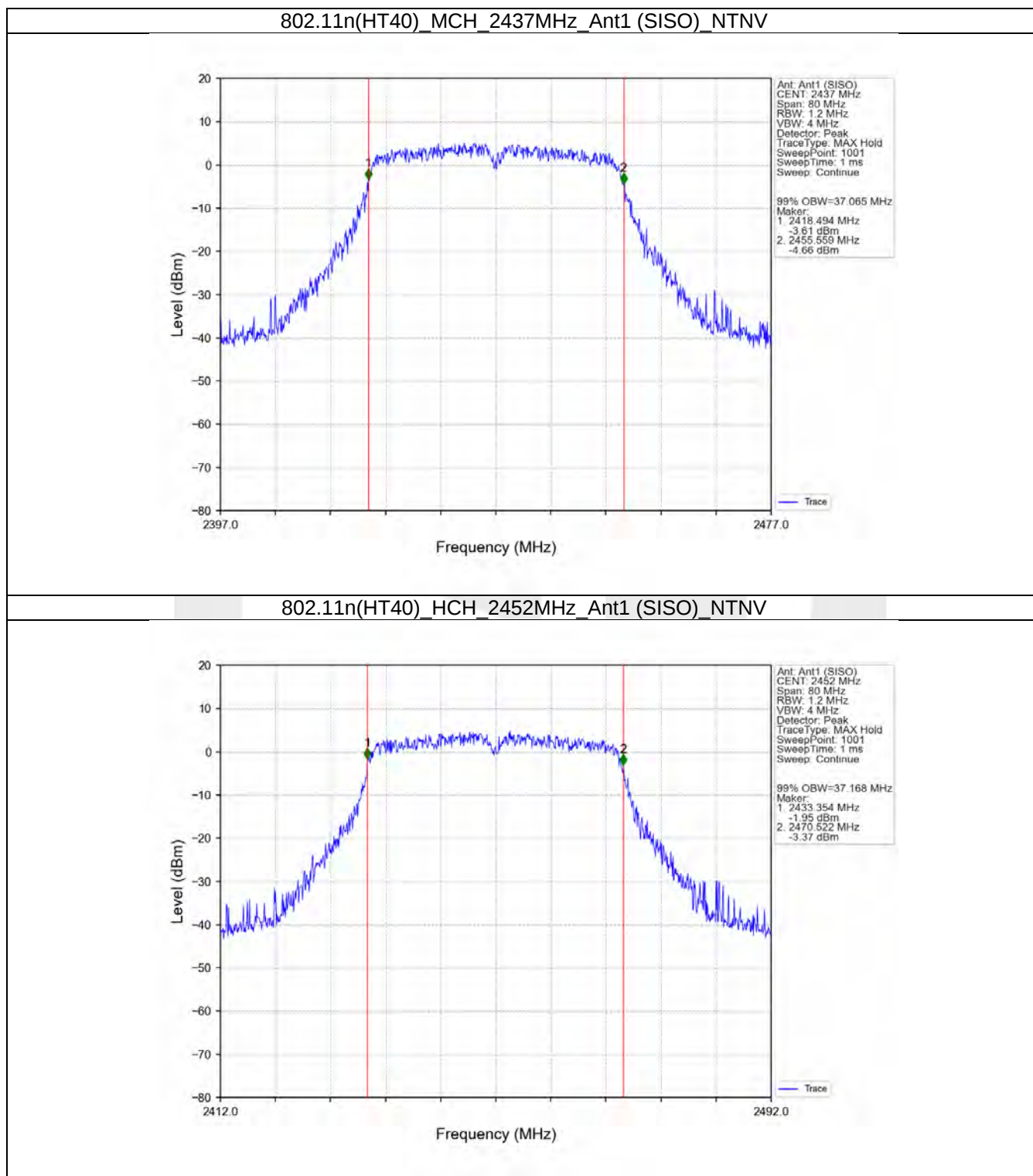
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

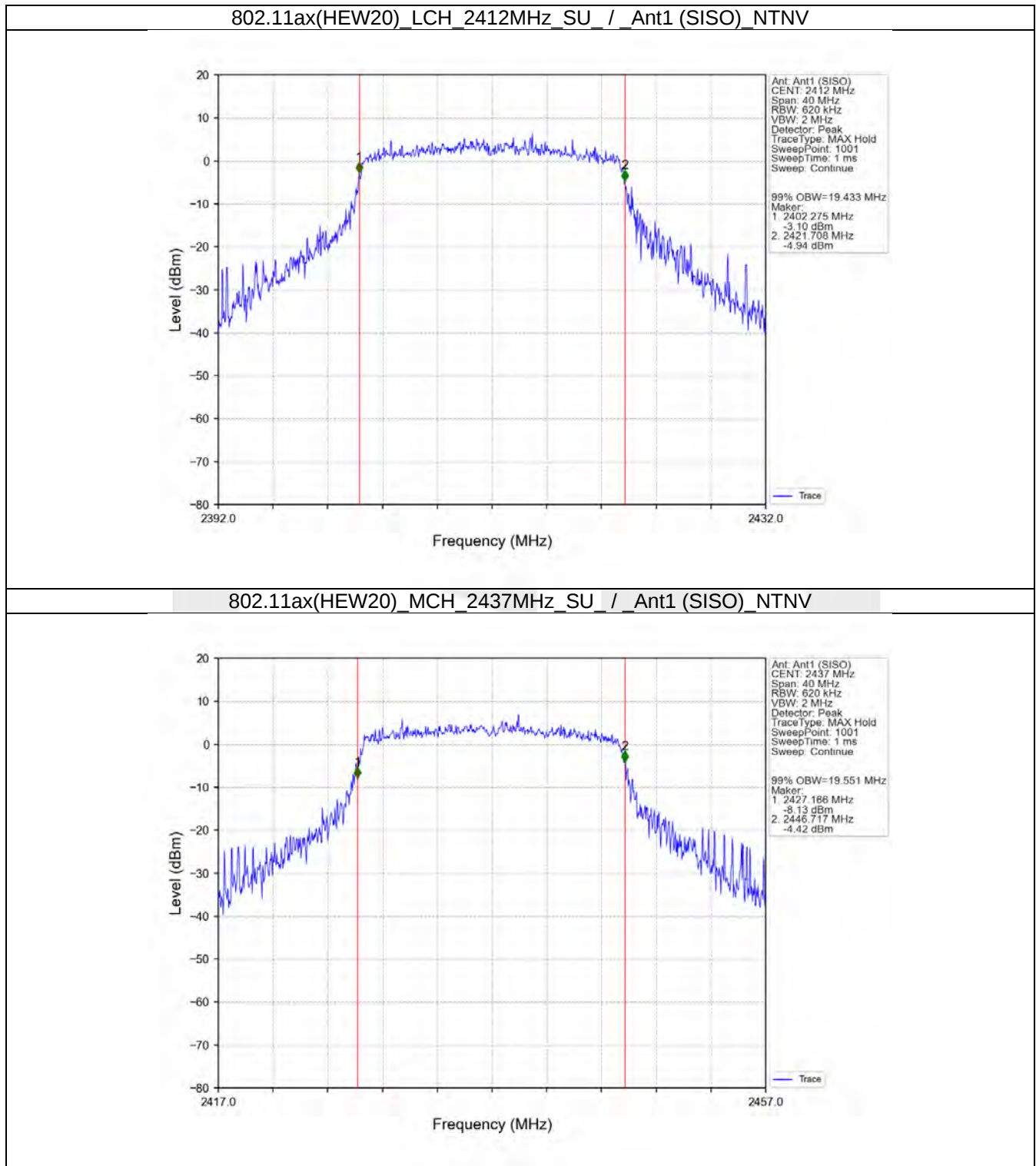


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

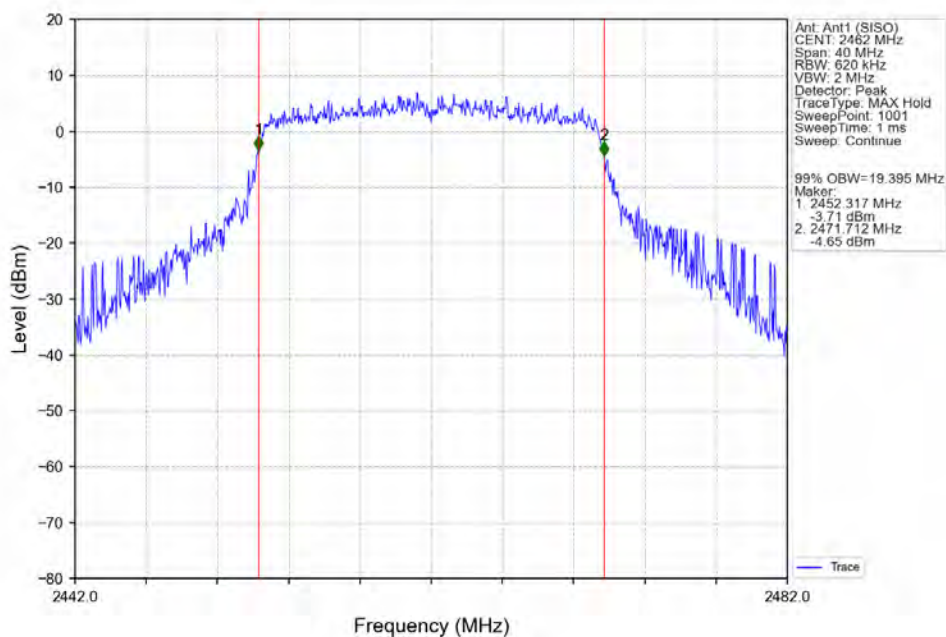




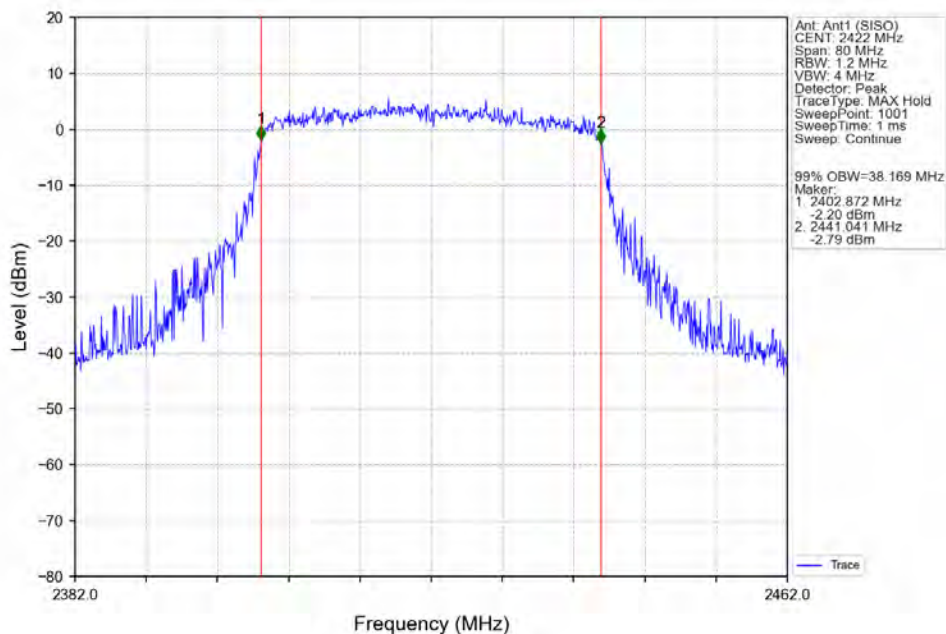




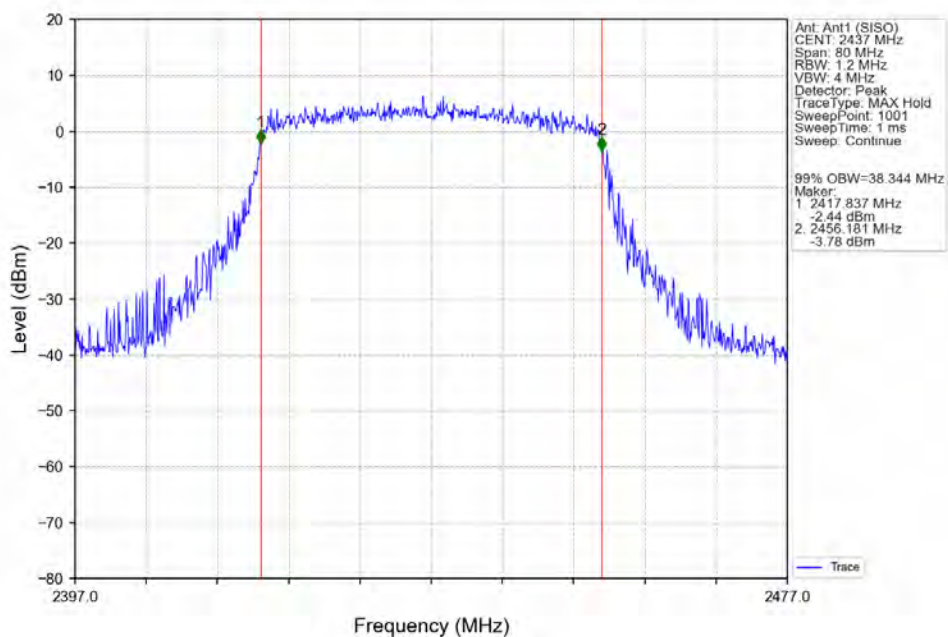
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (SISO)_NTNV



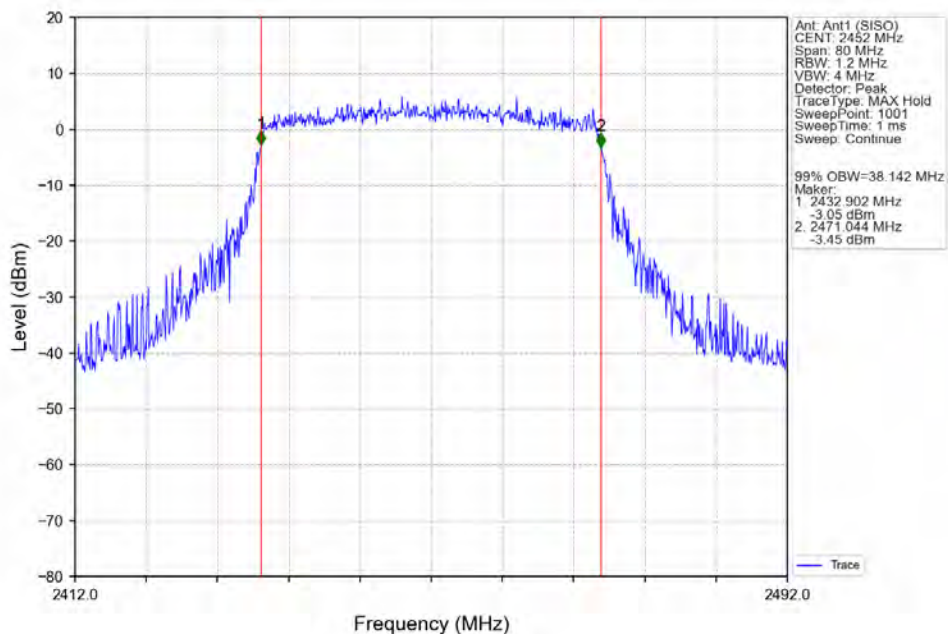
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV



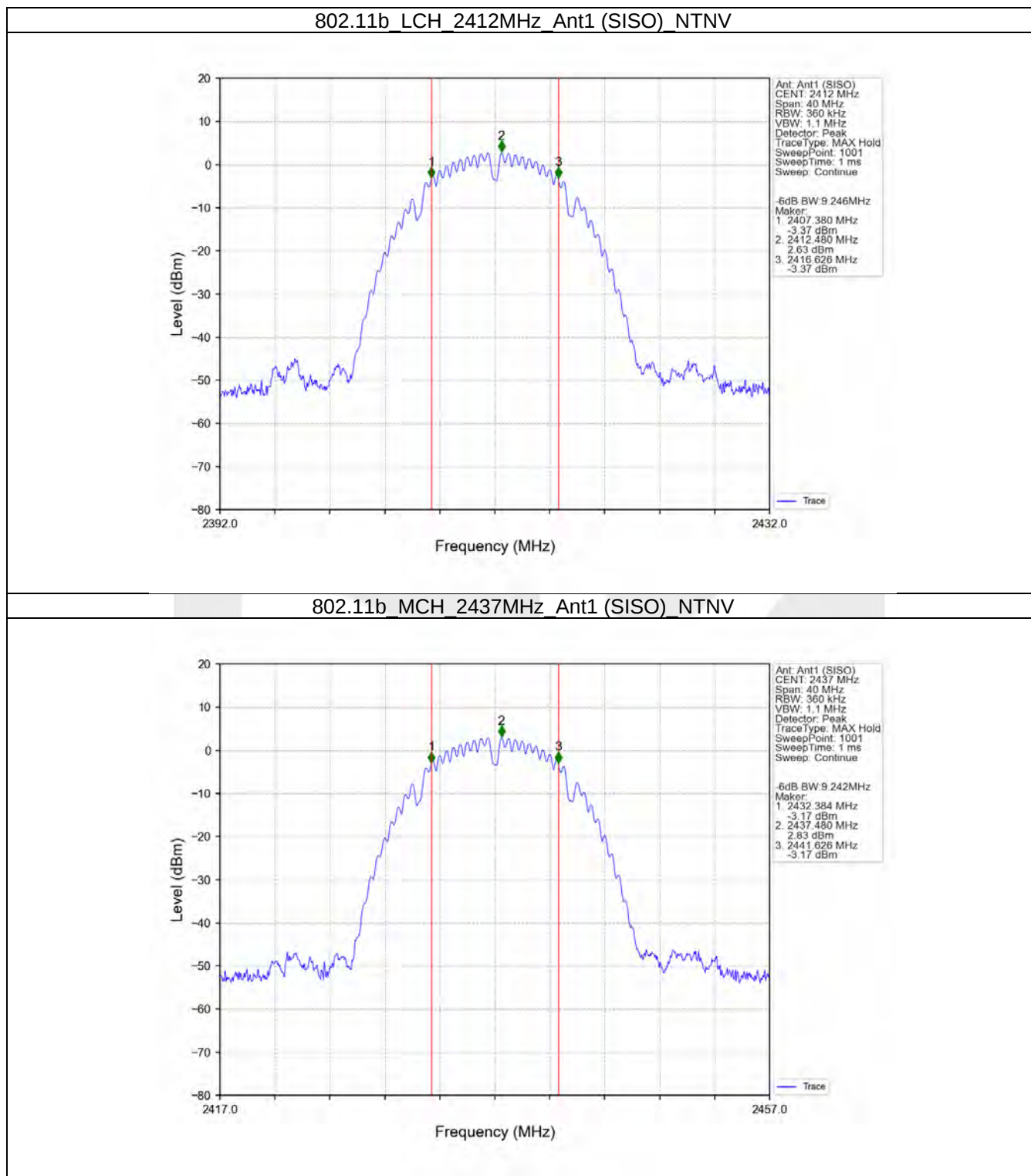
802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



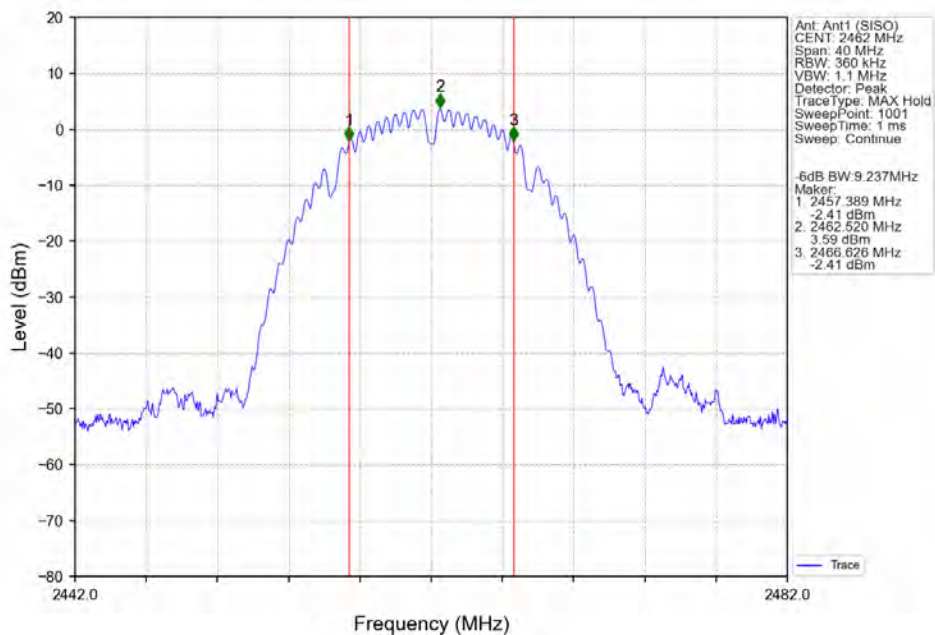
802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (SISO)_NTNV



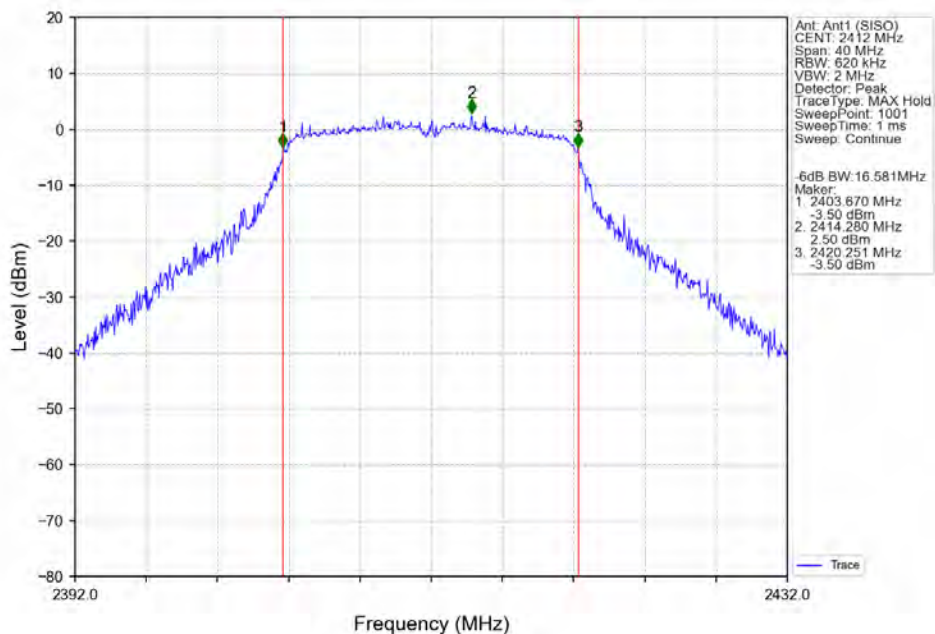
2.2.2 6dB BW

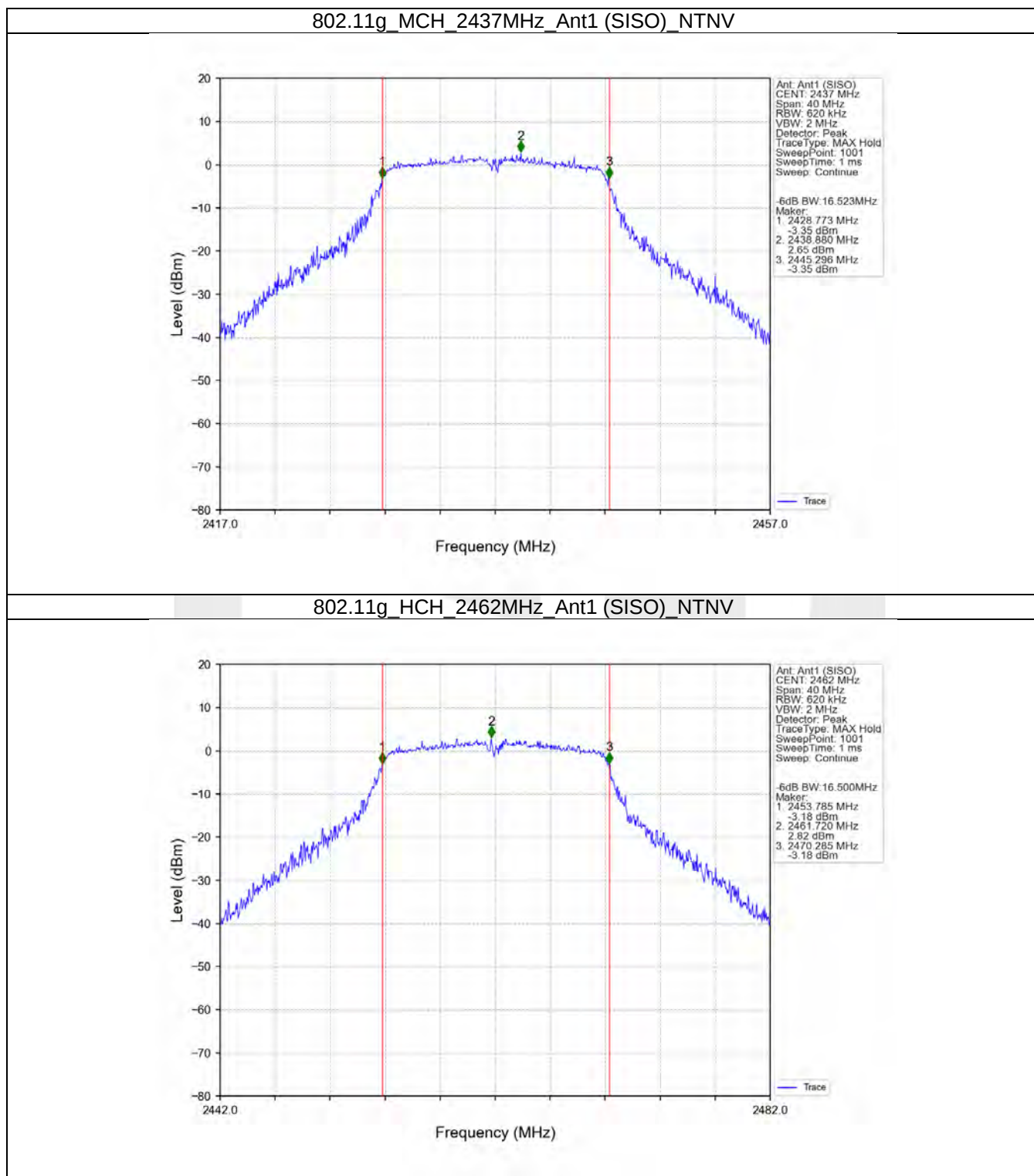


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

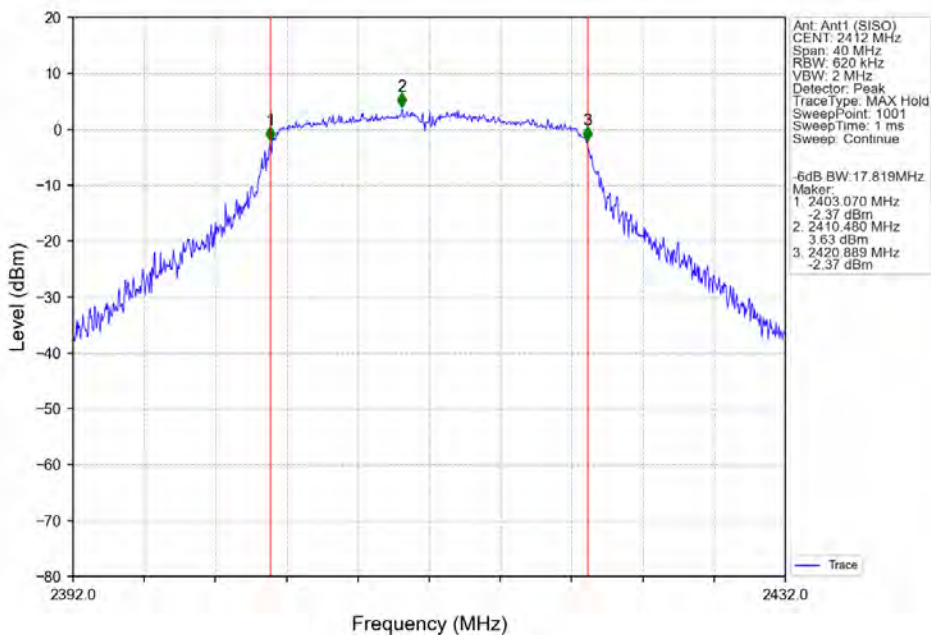


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

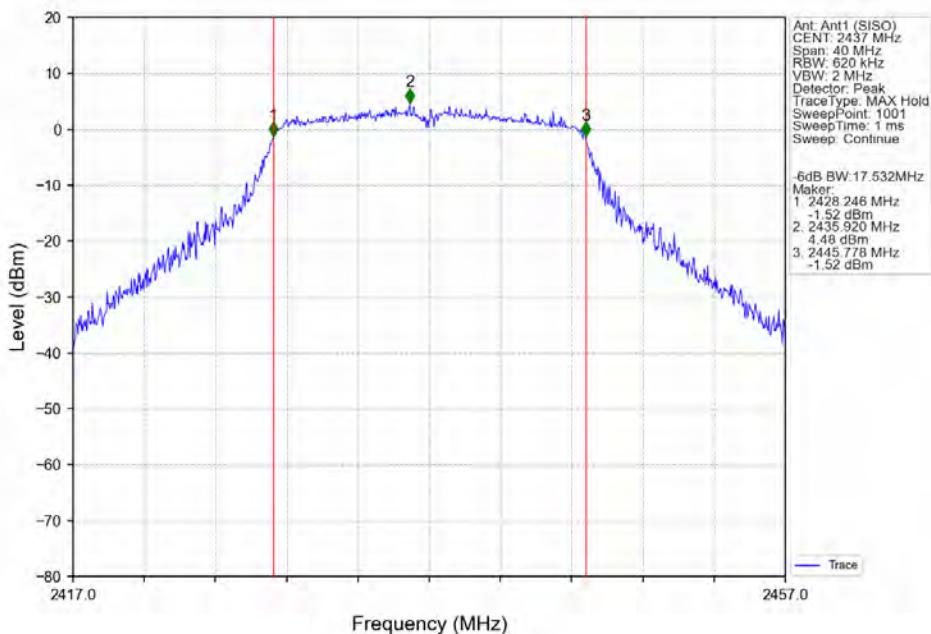


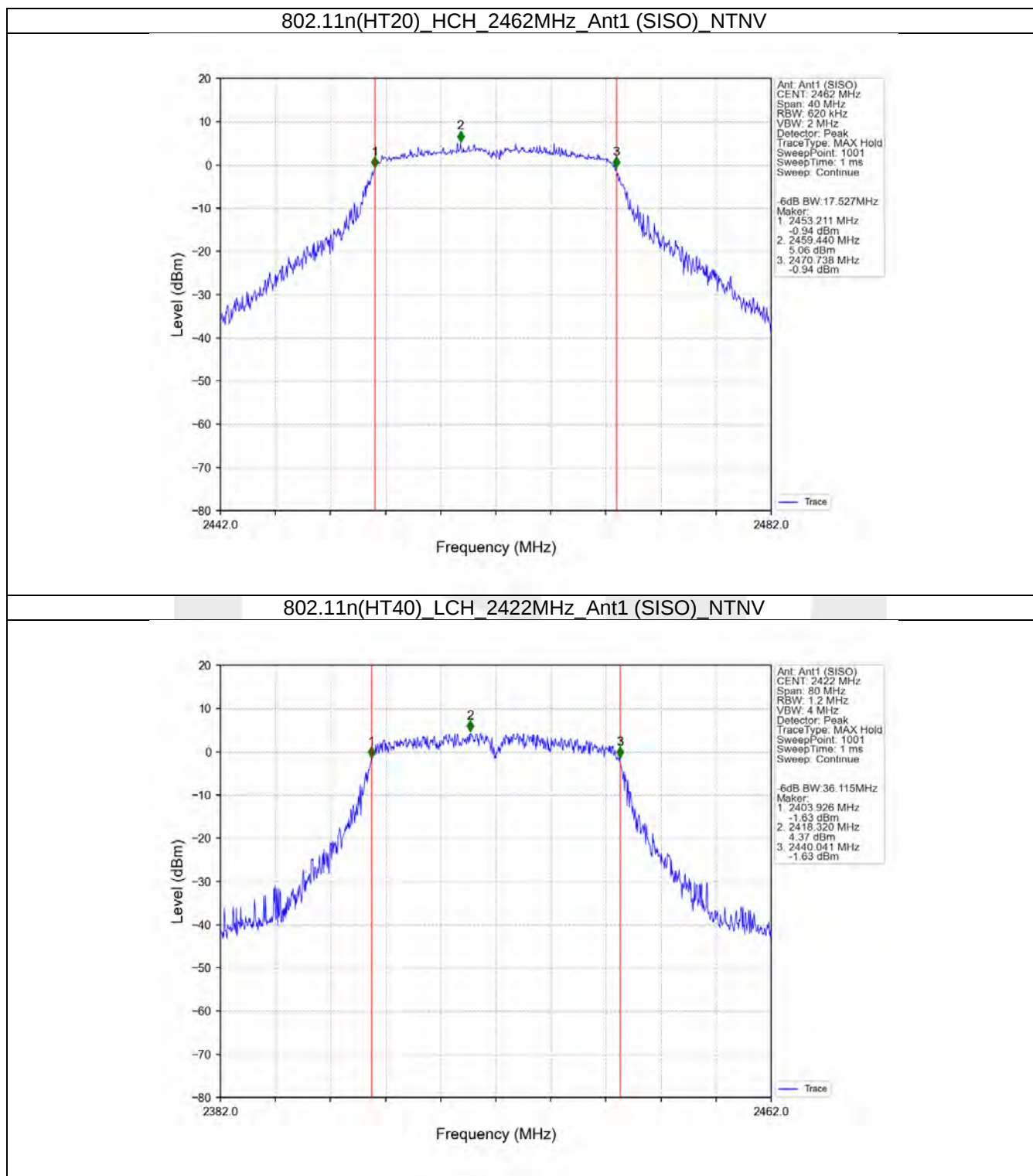


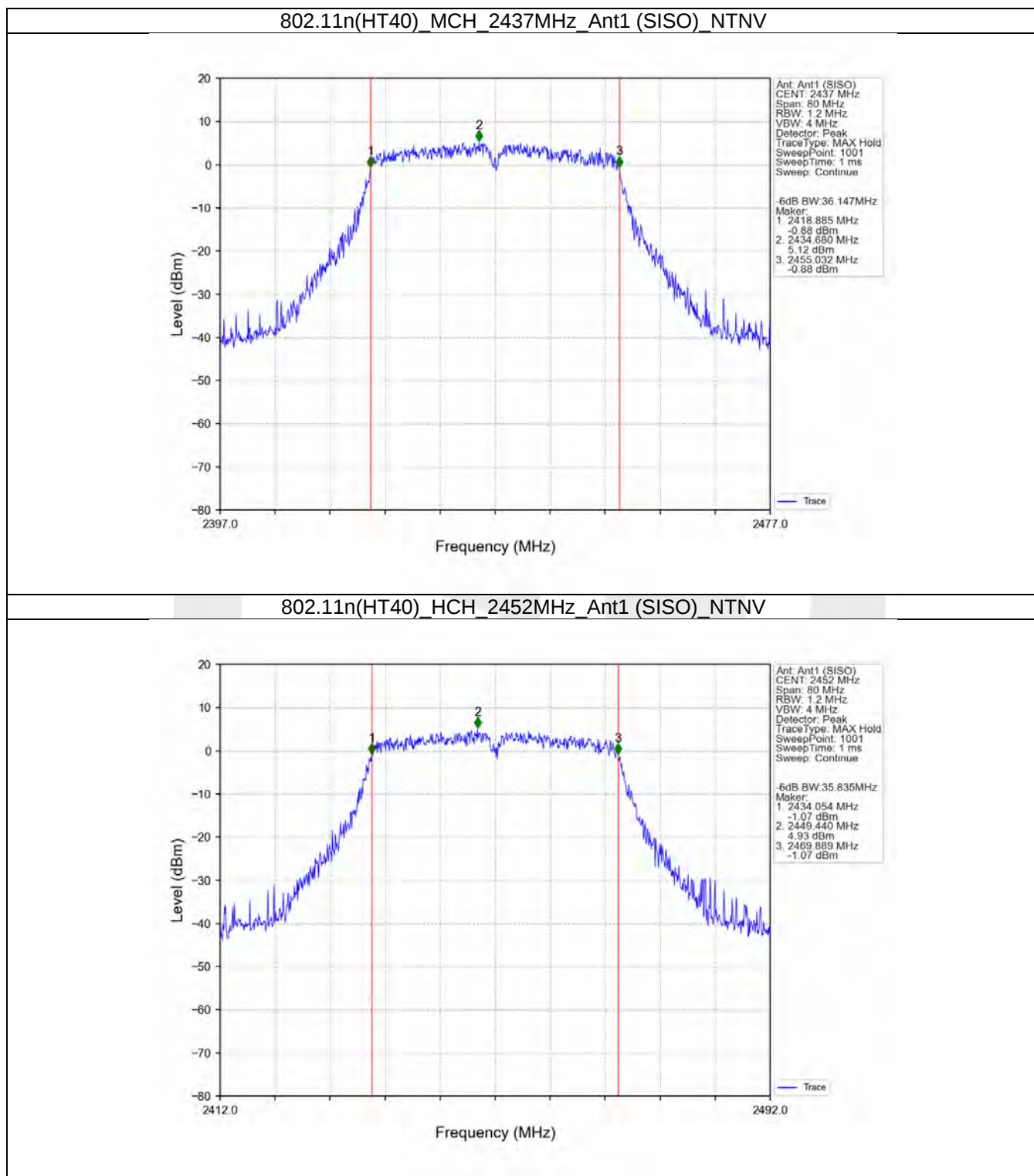
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

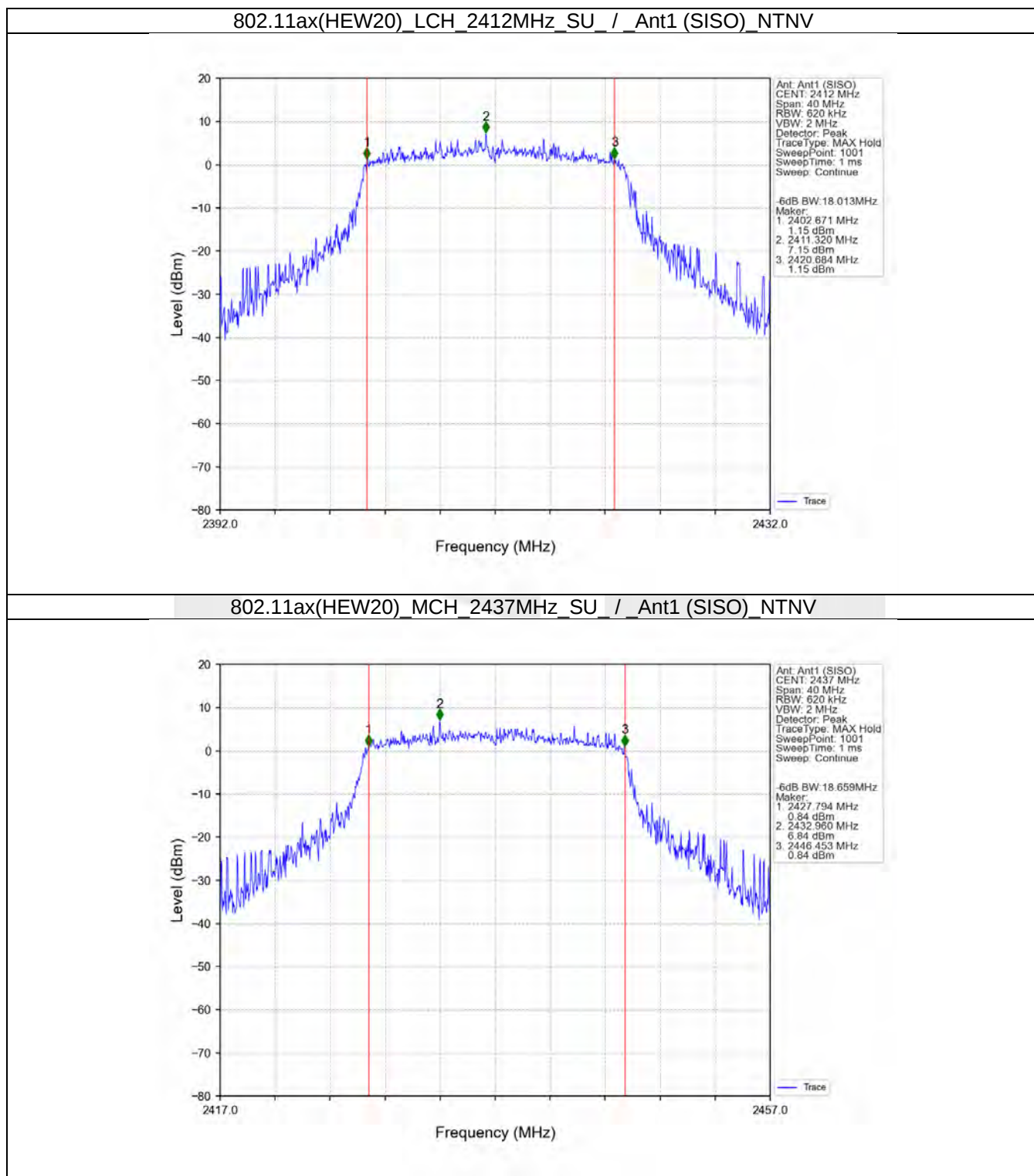


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

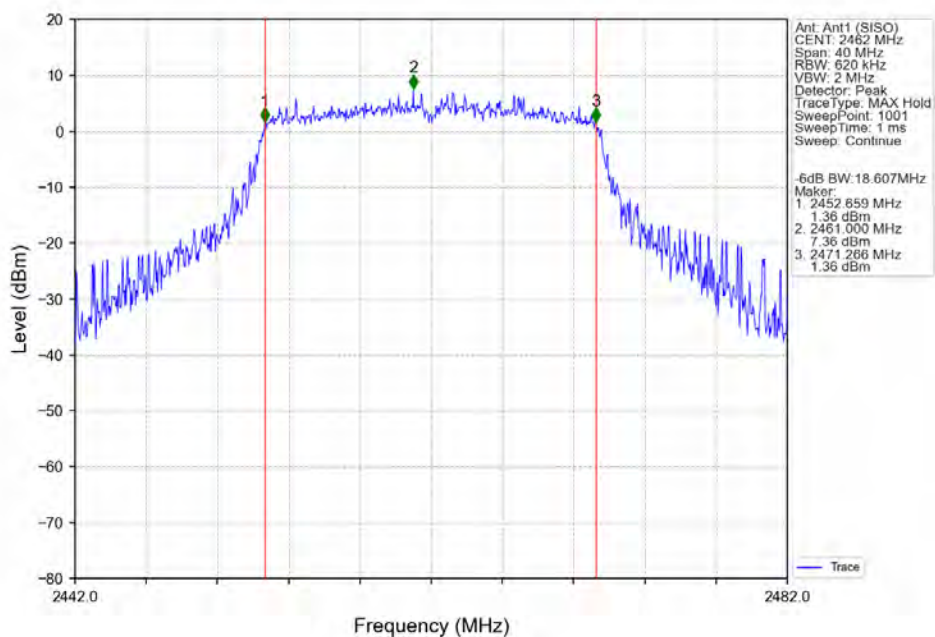




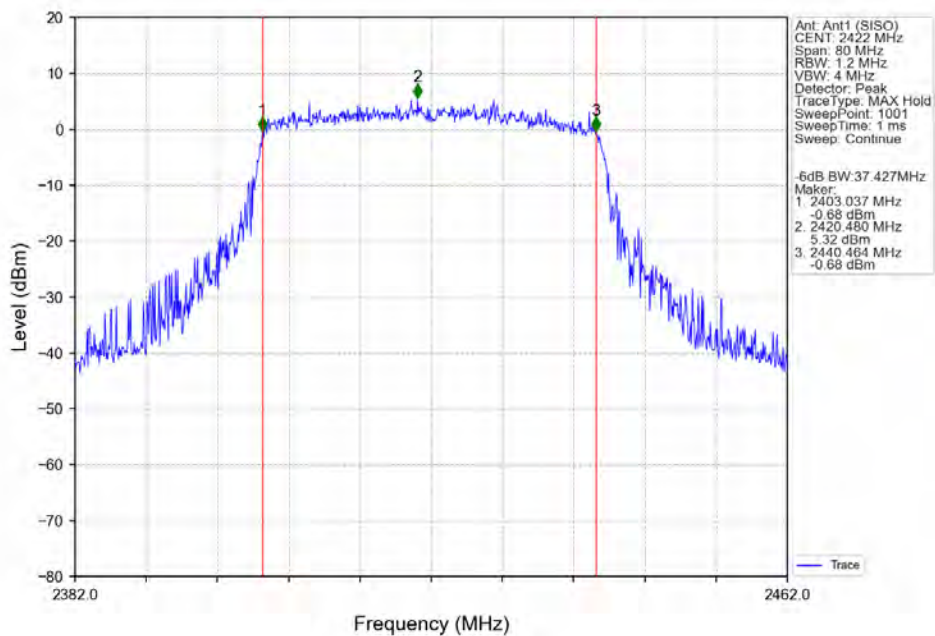




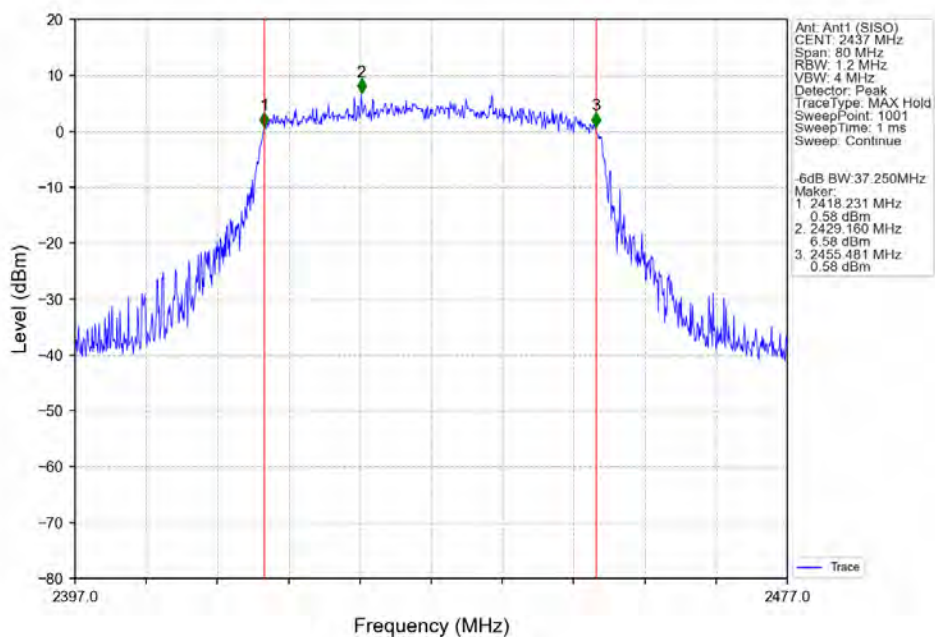
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (SISO)_NTNV



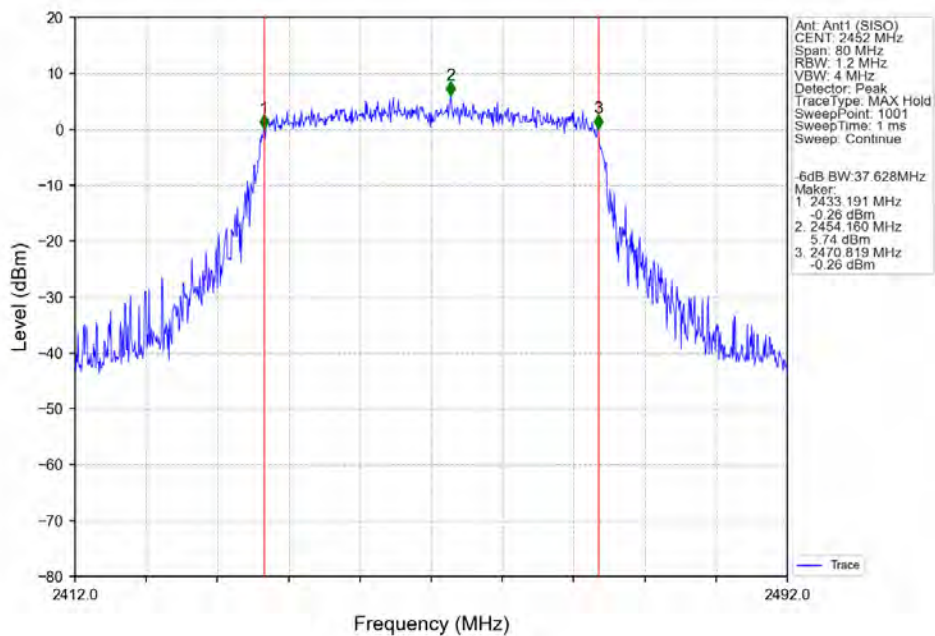
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	13.29	<=30	Pass
		2437	/	/	13.48	<=30	Pass
		2462	/	/	14.23	<=30	Pass
802.11g	SISO	2412	/	/	14.79	<=30	Pass
		2437	/	/	15.29	<=30	Pass
		2462	/	/	15.72	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	16.77	<=30	Pass
		2437	/	/	17.14	<=30	Pass
		2462	/	/	17.85	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	16.18	<=30	Pass
		2437	/	/	16.92	<=30	Pass
		2452	/	/	16.36	<=30	Pass
802.11ax (HEW20)	SISO	2412	SU	/	17.09	<=30	Pass
		2437	SU	/	17.66	<=30	Pass
		2462	SU	/	18.27	<=30	Pass
802.11ax (HEW40)	SISO	2422	SU	/	16.49	<=30	Pass
		2437	SU	/	17.19	<=30	Pass
		2452	SU	/	16.89	<=30	Pass

4. Maximum Power Spectral Density

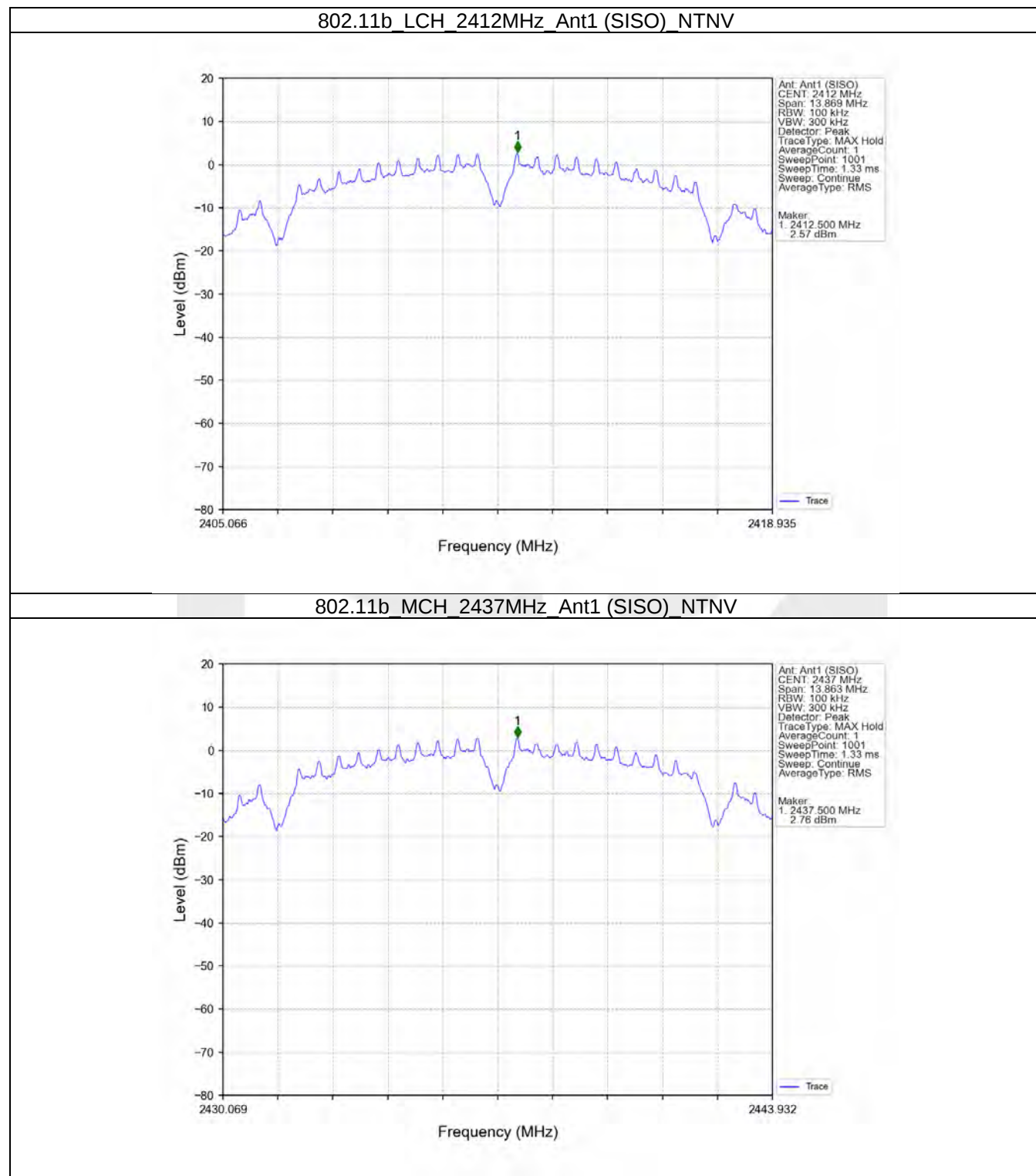
4.1 Test Result

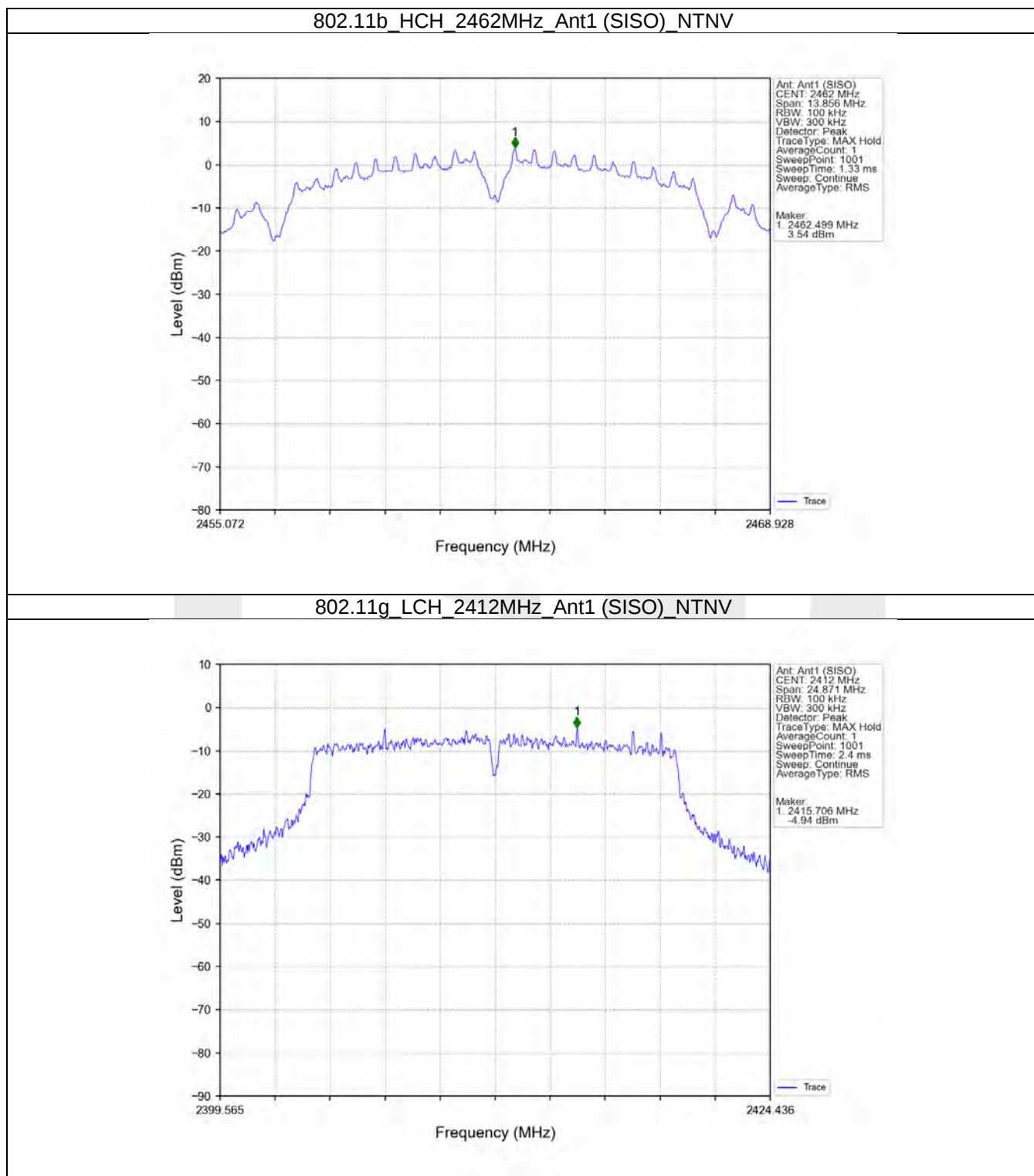
4.1.1 PSD

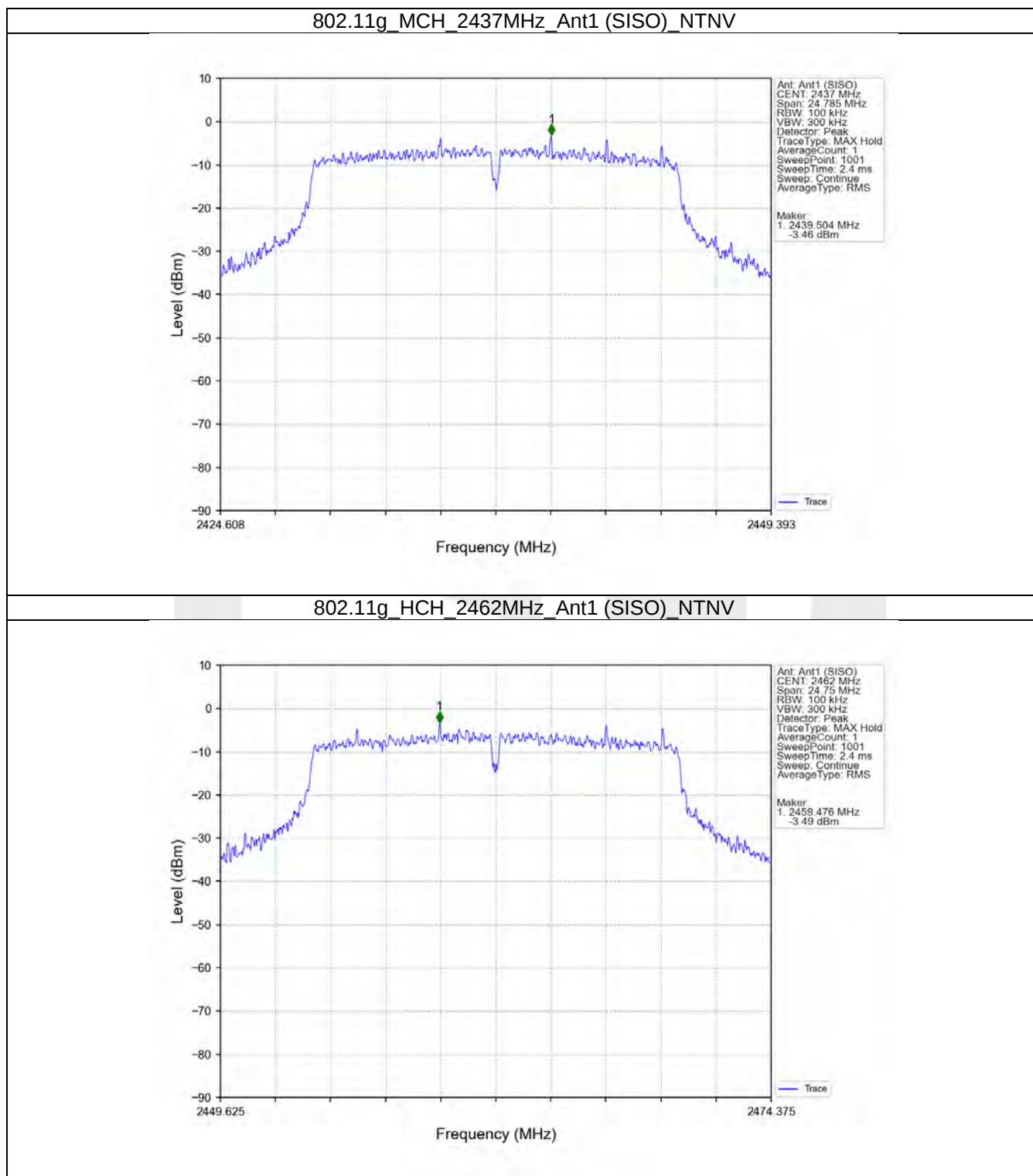
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	2.57	<=8	Pass
		2437	/	/	2.76	<=8	Pass
		2462	/	/	3.54	<=8	Pass
802.11g	SISO	2412	/	/	-4.94	<=8	Pass
		2437	/	/	-3.46	<=8	Pass
		2462	/	/	-3.49	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-1.31	<=8	Pass
		2437	/	/	-1.76	<=8	Pass
		2462	/	/	-1.83	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-4.57	<=8	Pass
		2437	/	/	-4.22	<=8	Pass
		2452	/	/	-4.30	<=8	Pass
802.11ax (HEW20)	SISO	2412	SU	/	-2.00	<=8	Pass
		2437	SU	/	-1.89	<=8	Pass
		2462	SU	/	-1.43	<=8	Pass
802.11ax (HEW40)	SISO	2422	SU	/	-5.36	<=8	Pass
		2437	SU	/	-4.22	<=8	Pass
		2452	SU	/	-4.76	<=8	Pass

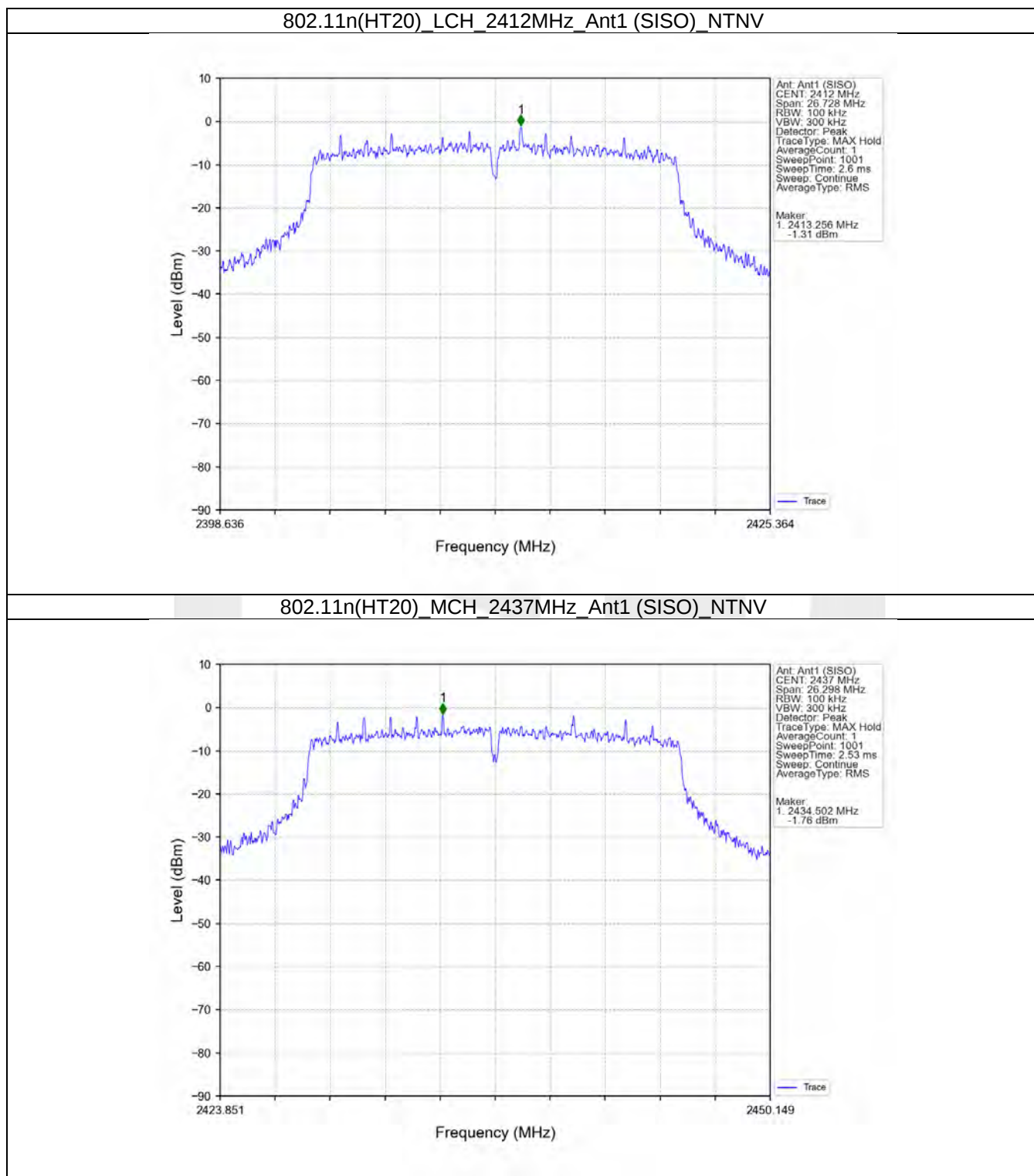
4.2 Test Graph

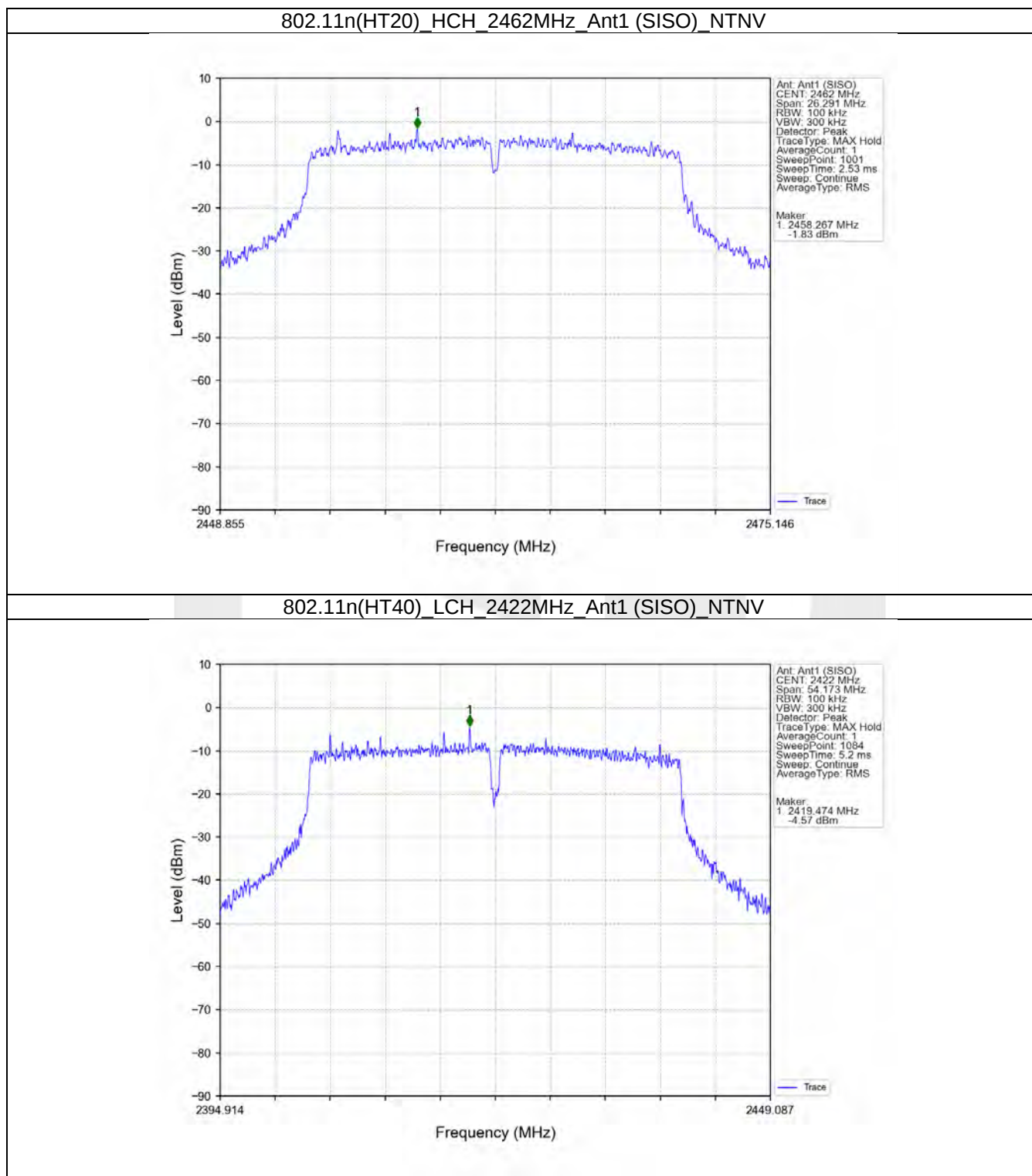
4.2.1 PSD

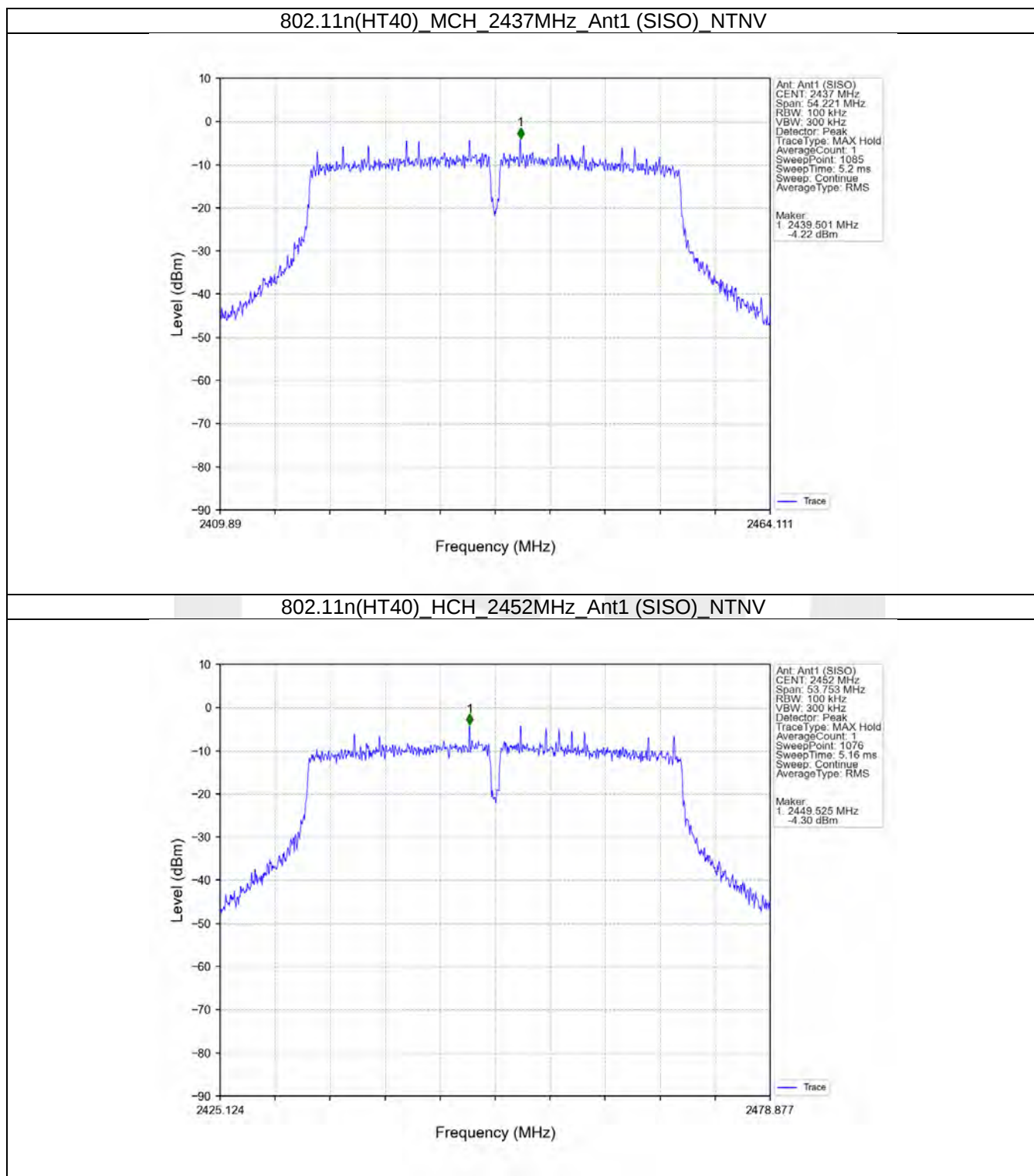


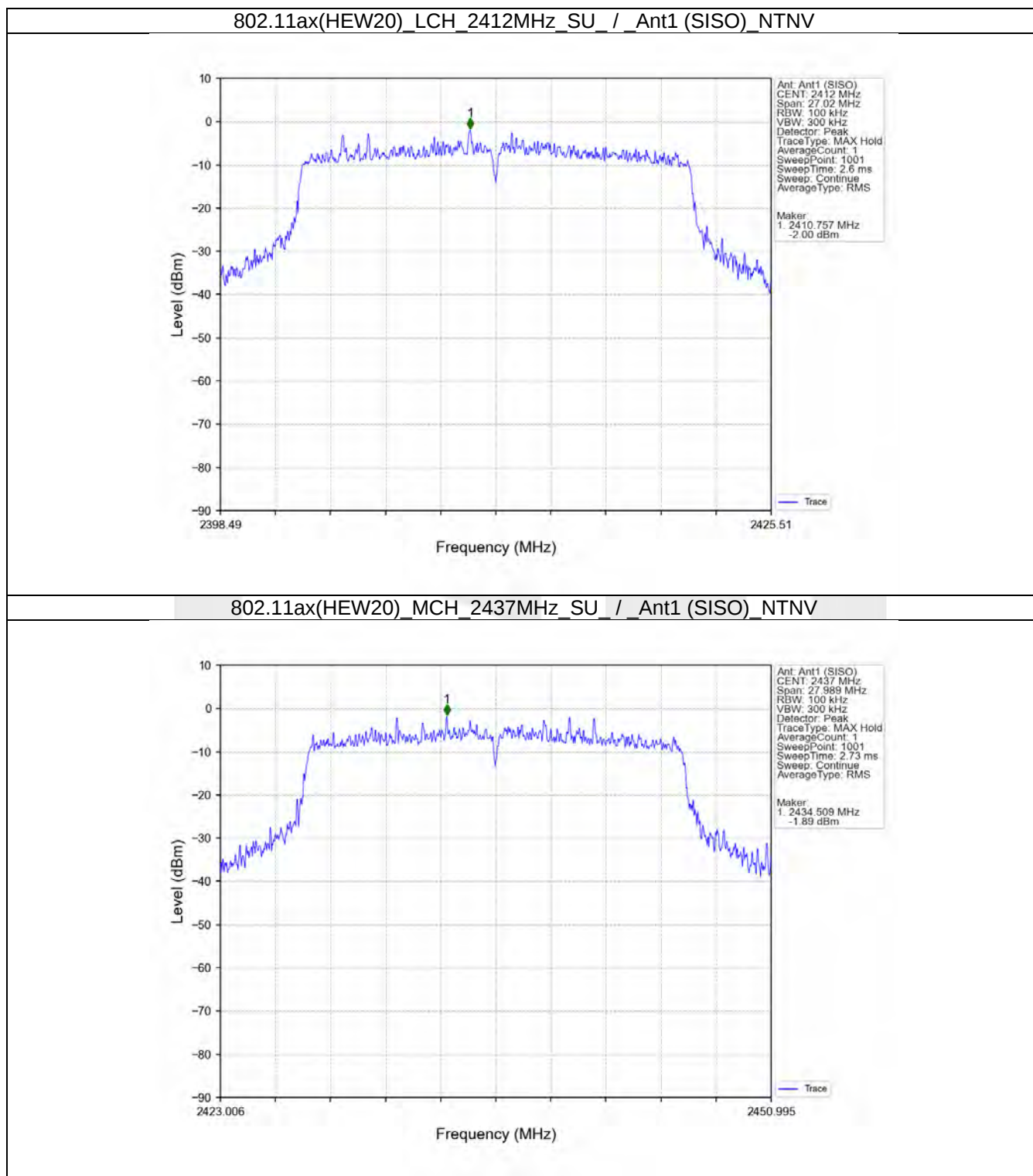


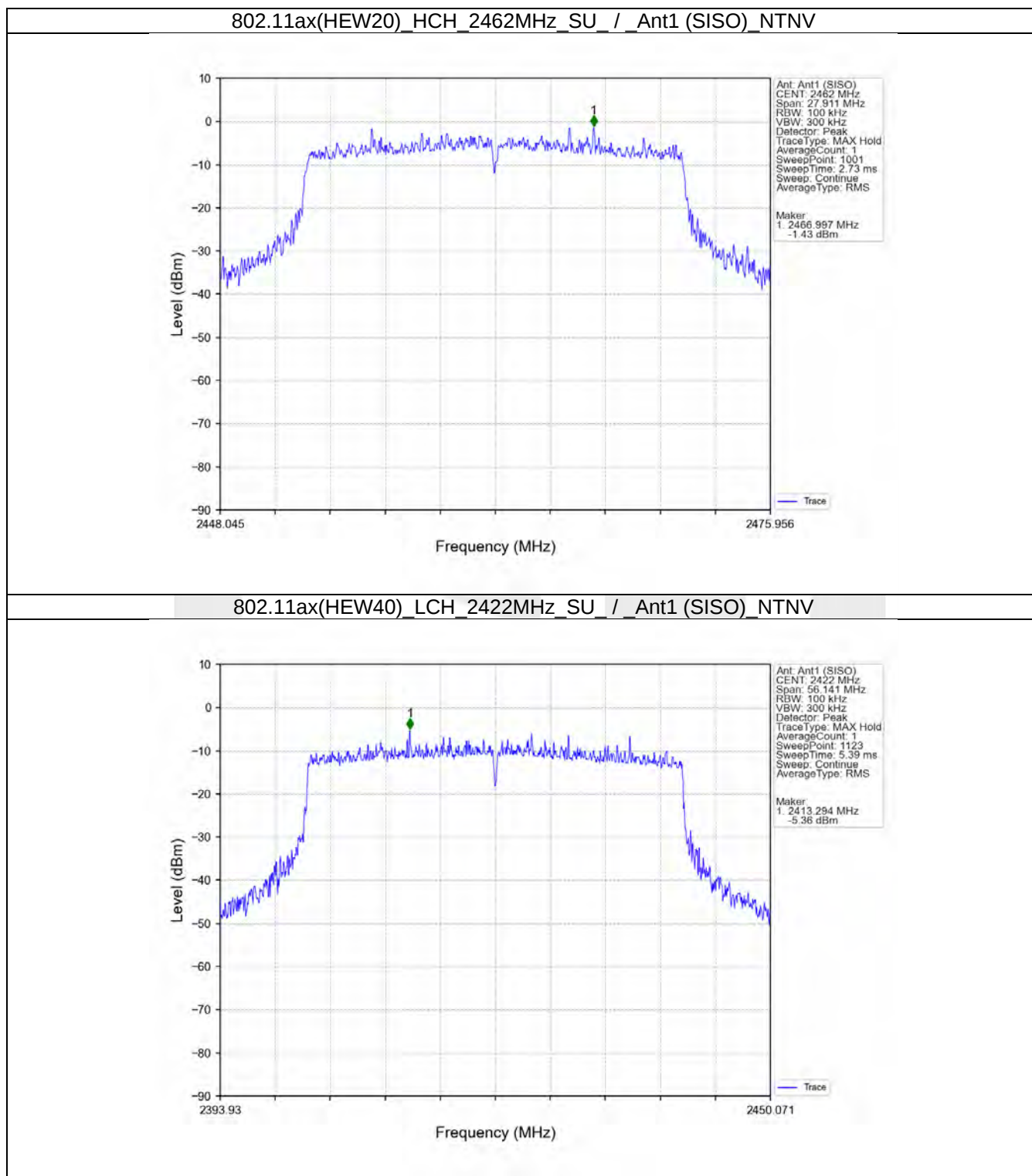


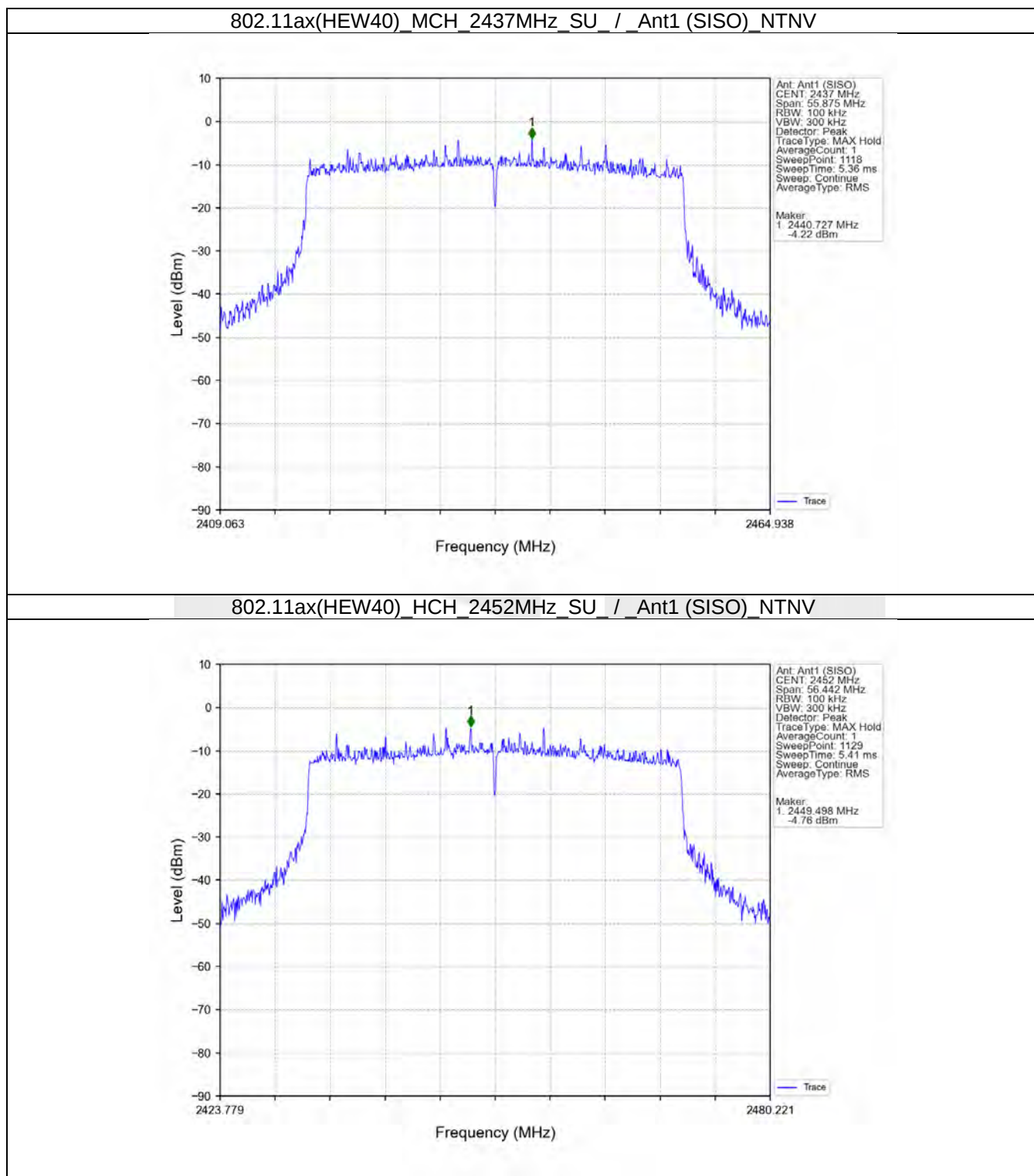












5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

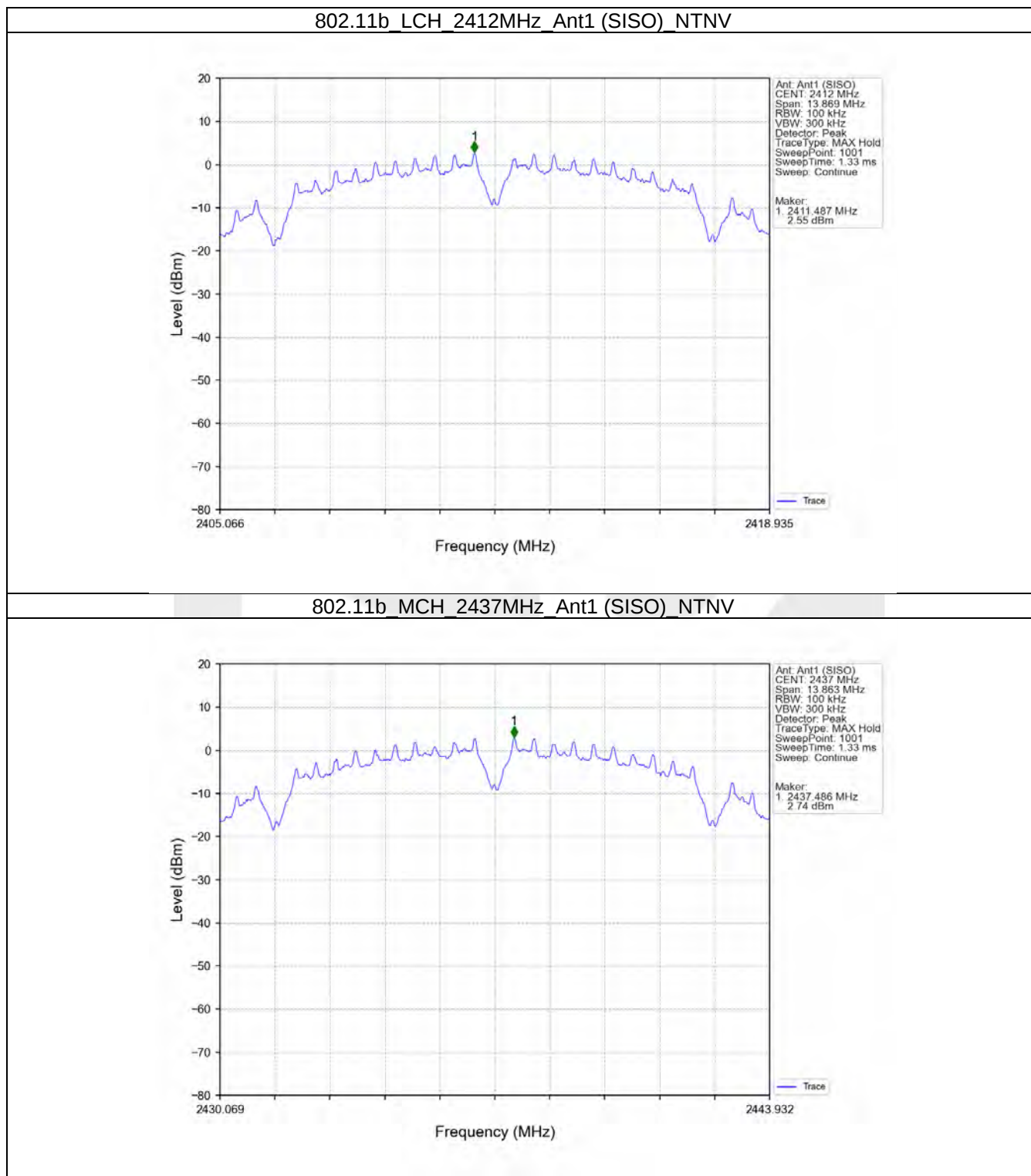
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	2.55
		2437	/	/	1	2.74
		2462	/	/	1	3.51
802.11g	SISO	2412	/	/	1	-4.72
		2437	/	/	1	-3.72
		2462	/	/	1	-3.18
802.11n (HT20)	SISO	2412	/	/	1	-1.59
		2437	/	/	1	-2.37
		2462	/	/	1	-0.94
802.11n (HT40)	SISO	2422	/	/	1	-4.72
		2437	/	/	1	-4.78
		2452	/	/	1	-4.66
802.11ax (HEW20)	SISO	2412	SU	/	1	-1.78
		2437	SU	/	1	-1.52
		2462	SU	/	1	-0.08
802.11ax (HEW40)	SISO	2422	SU	/	1	-4.83
		2437	SU	/	1	-4.65
		2452	SU	/	1	-5.88
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.						

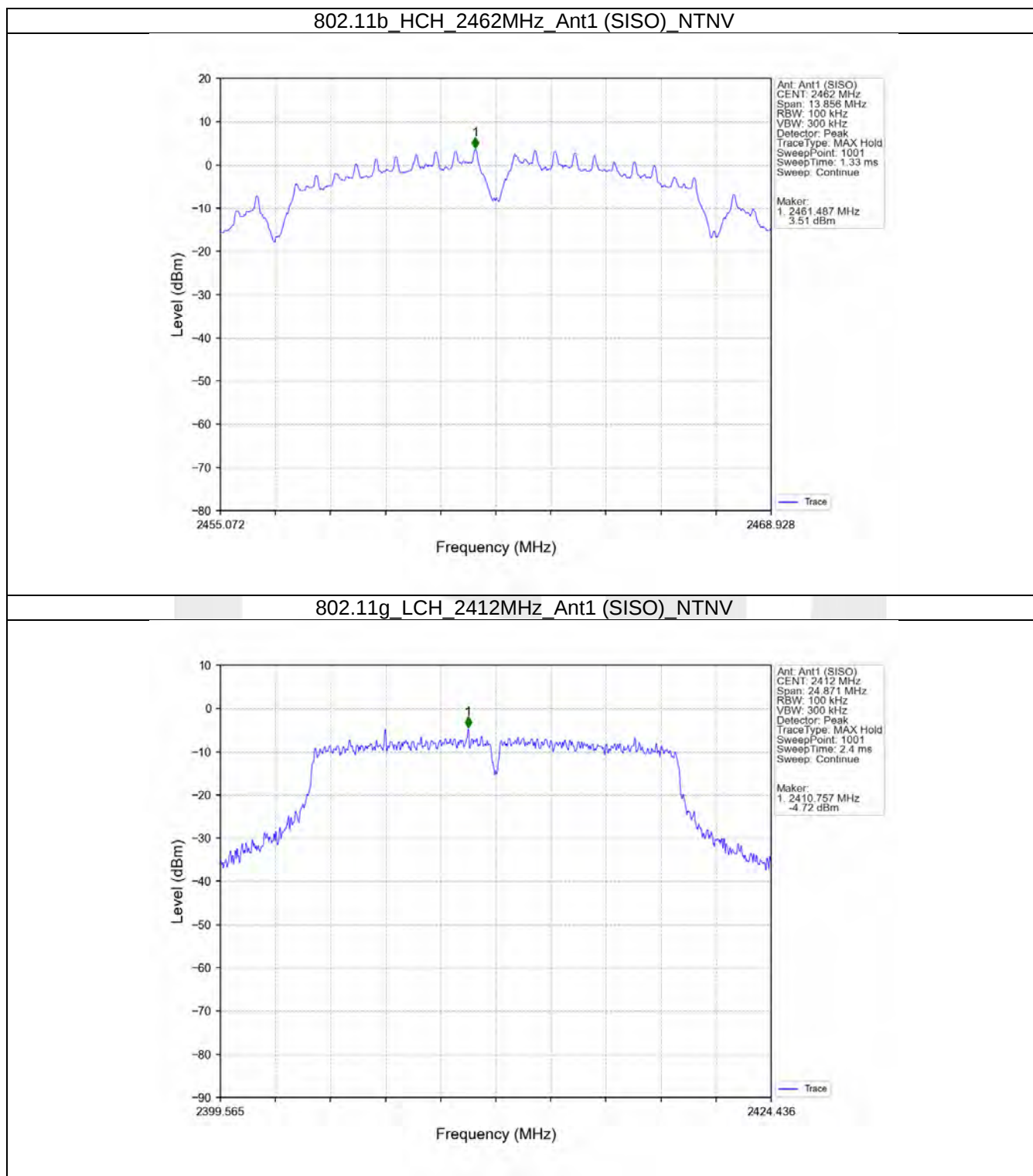
5.1.2 CSE

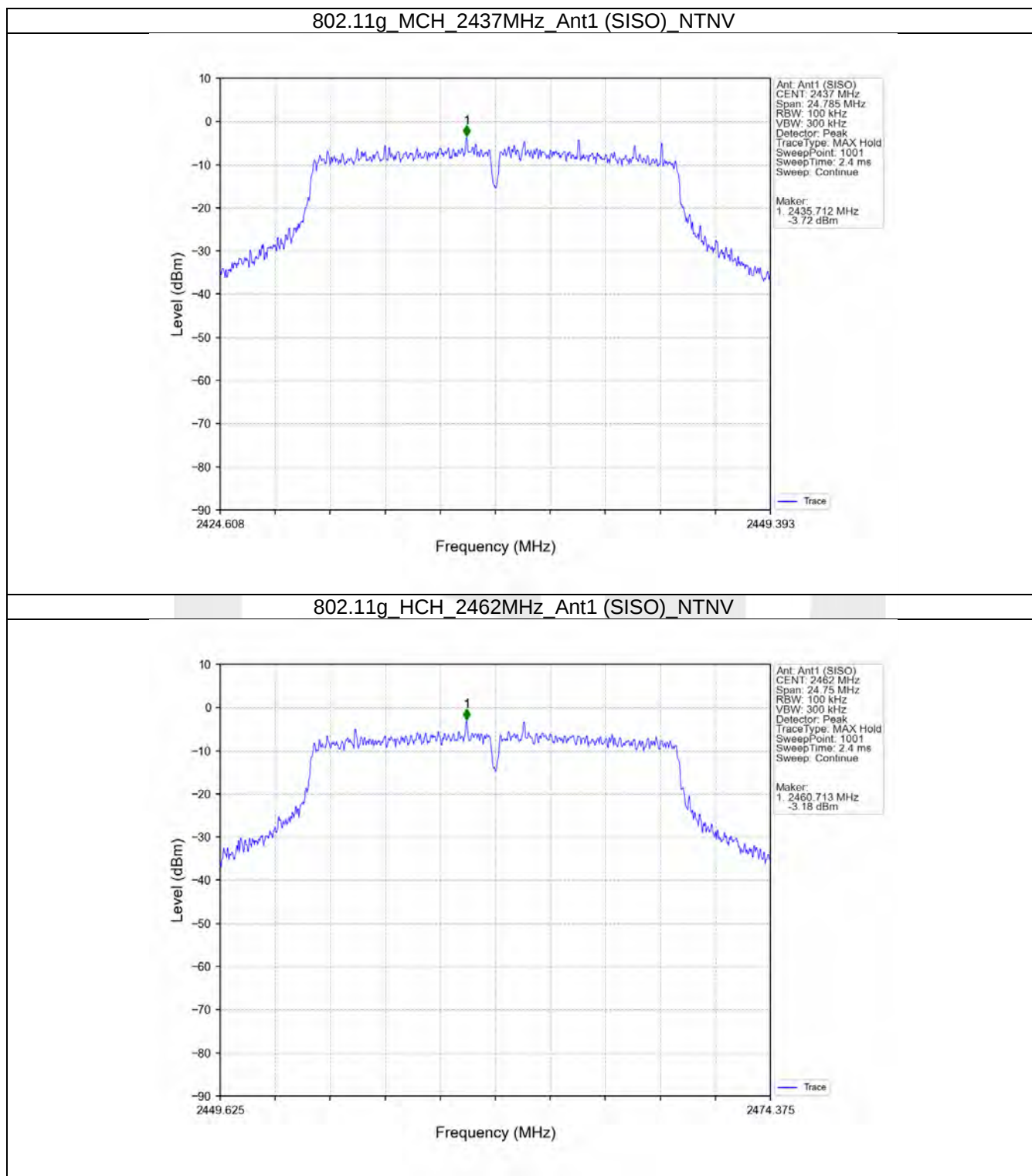
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	2.55	-17.45	Pass
		2437	/	/	1	2.74	-17.26	Pass
		2462	/	/	1	3.51	-16.49	Pass
802.11g	SISO	2412	/	/	1	-4.72	-24.72	Pass
		2437	/	/	1	-3.72	-23.72	Pass
		2462	/	/	1	-3.18	-23.18	Pass
802.11n (HT20)	SISO	2412	/	/	1	-1.59	-21.59	Pass
		2437	/	/	1	-2.37	-22.37	Pass
		2462	/	/	1	-0.94	-20.94	Pass
802.11n (HT40)	SISO	2422	/	/	1	-4.72	-24.72	Pass
		2437	/	/	1	-4.78	-24.78	Pass
		2452	/	/	1	-4.66	-24.66	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	-1.78	-21.78	Pass
		2437	SU	/	1	-1.52	-21.52	Pass
		2462	SU	/	1	-0.08	-20.08	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	-4.83	-24.83	Pass
		2437	SU	/	1	-4.65	-24.65	Pass
		2452	SU	/	1	-5.88	-25.88	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.								

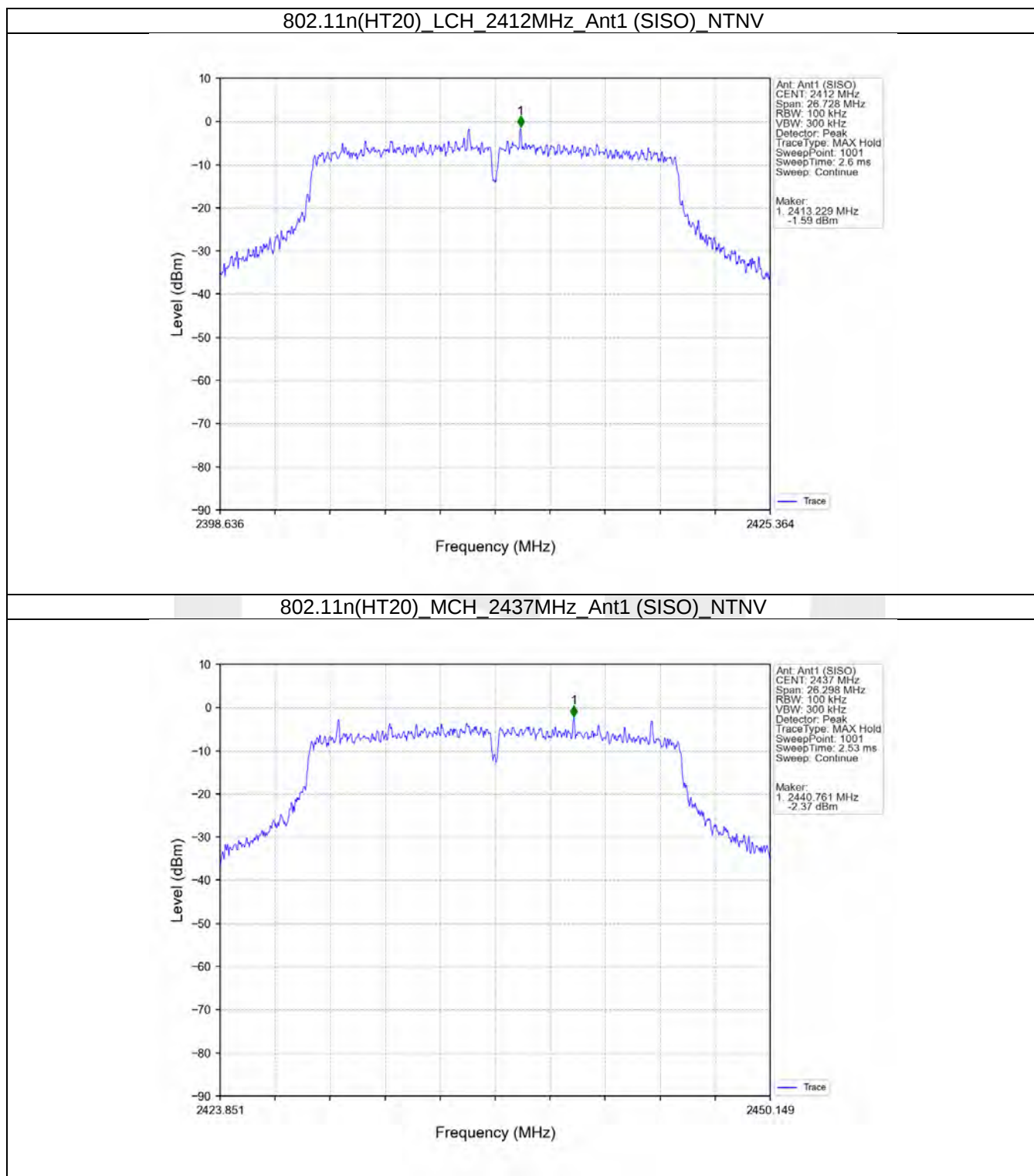
5.2 Test Graph

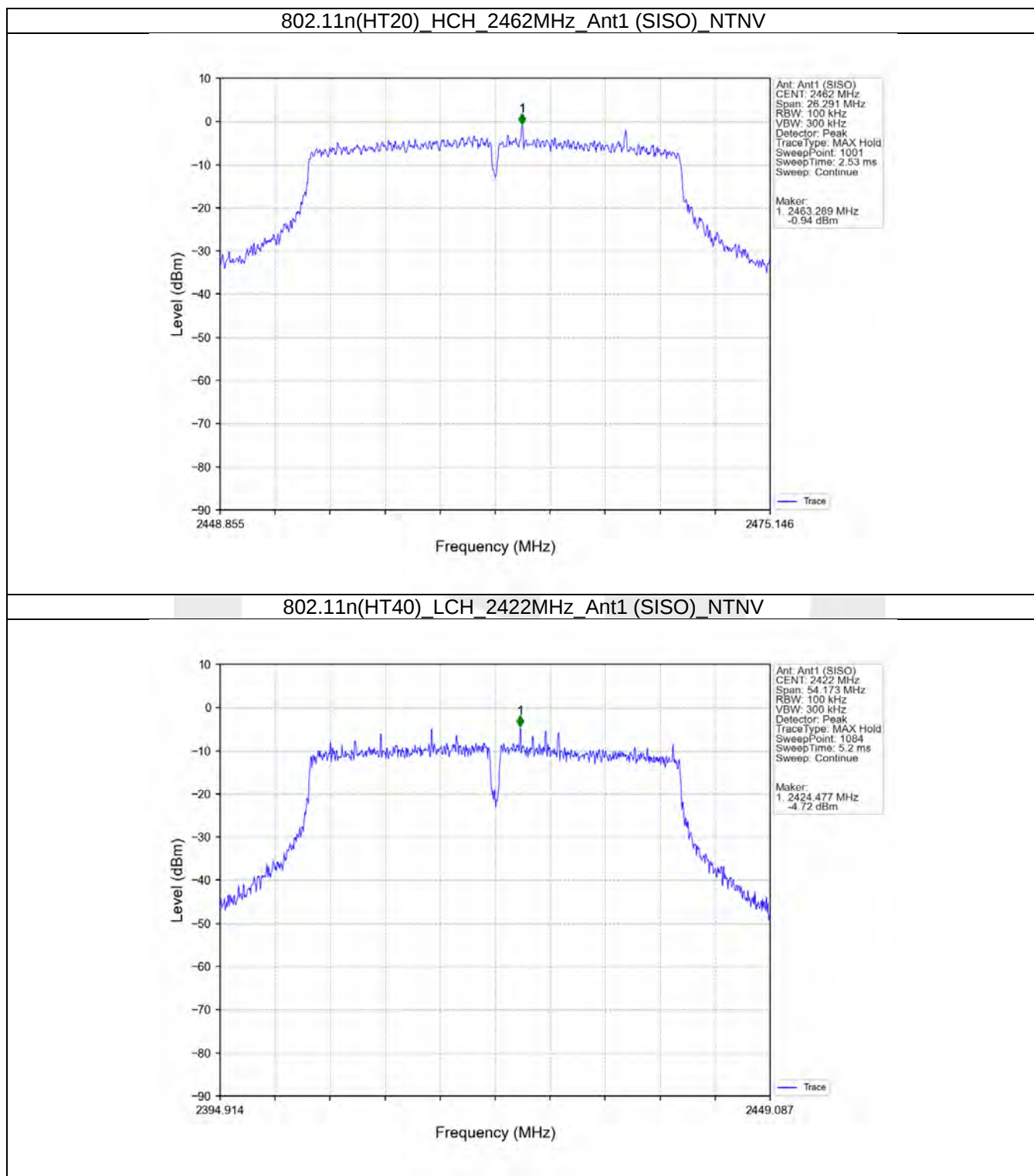
5.2.1 Ref

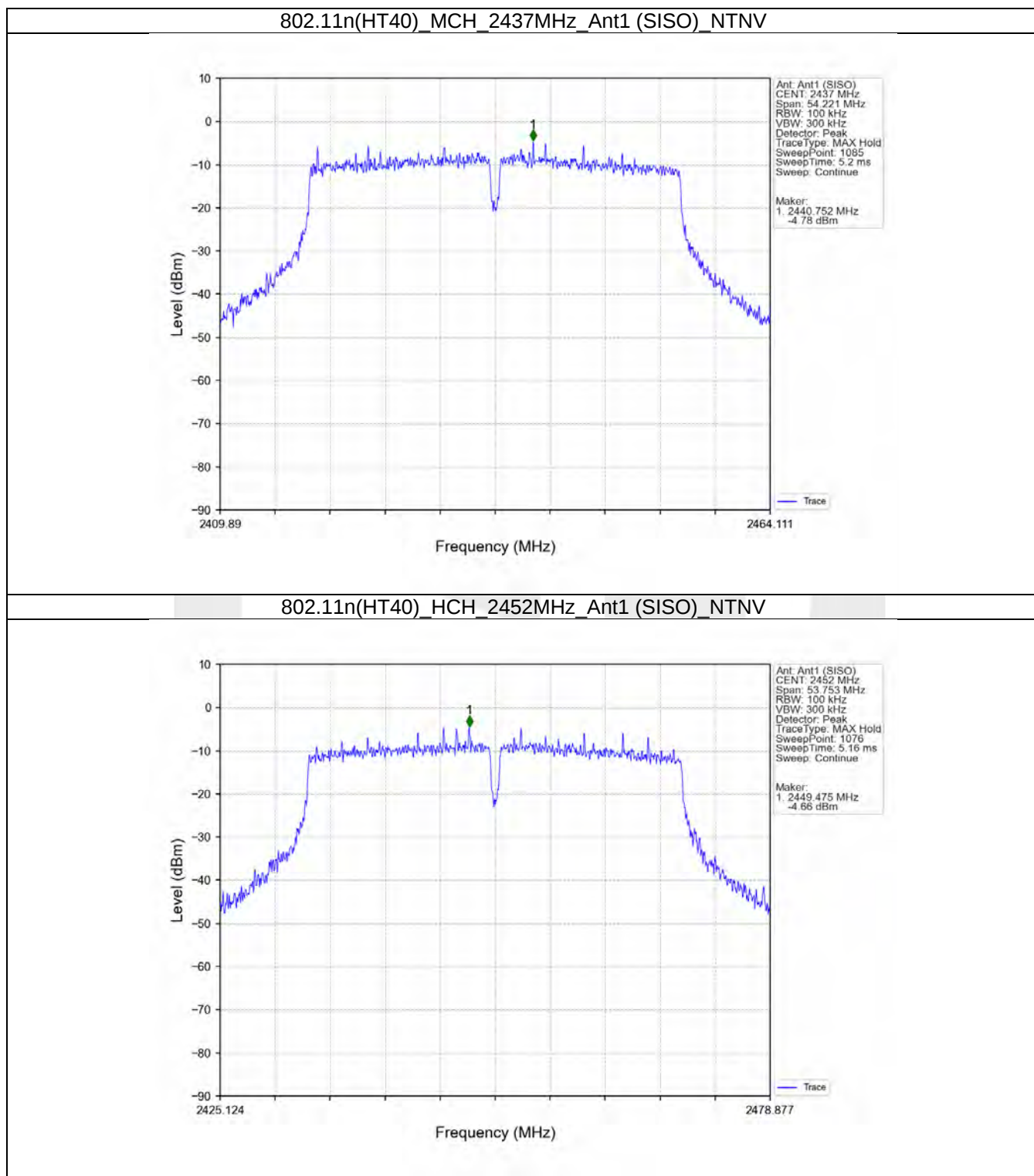


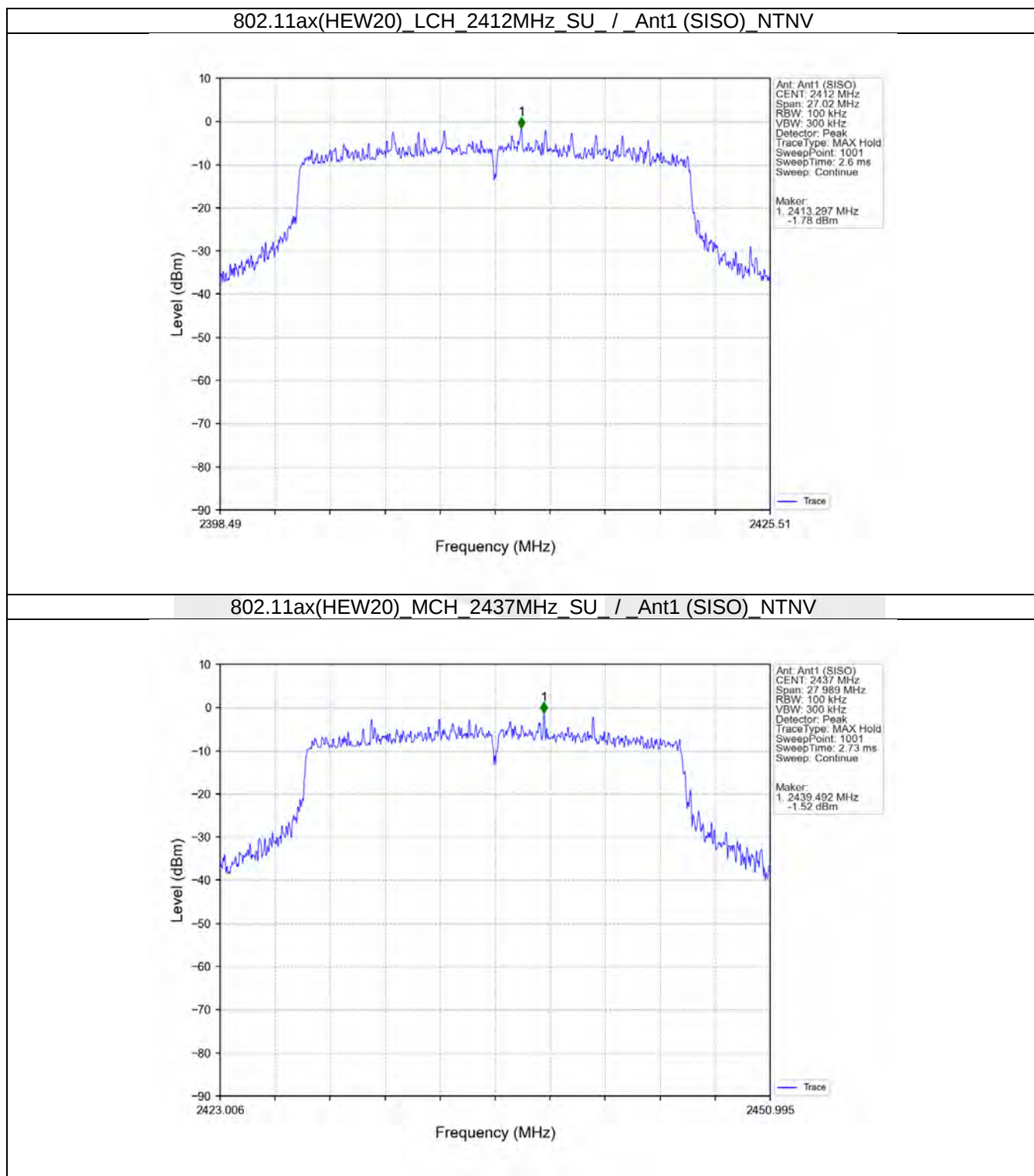


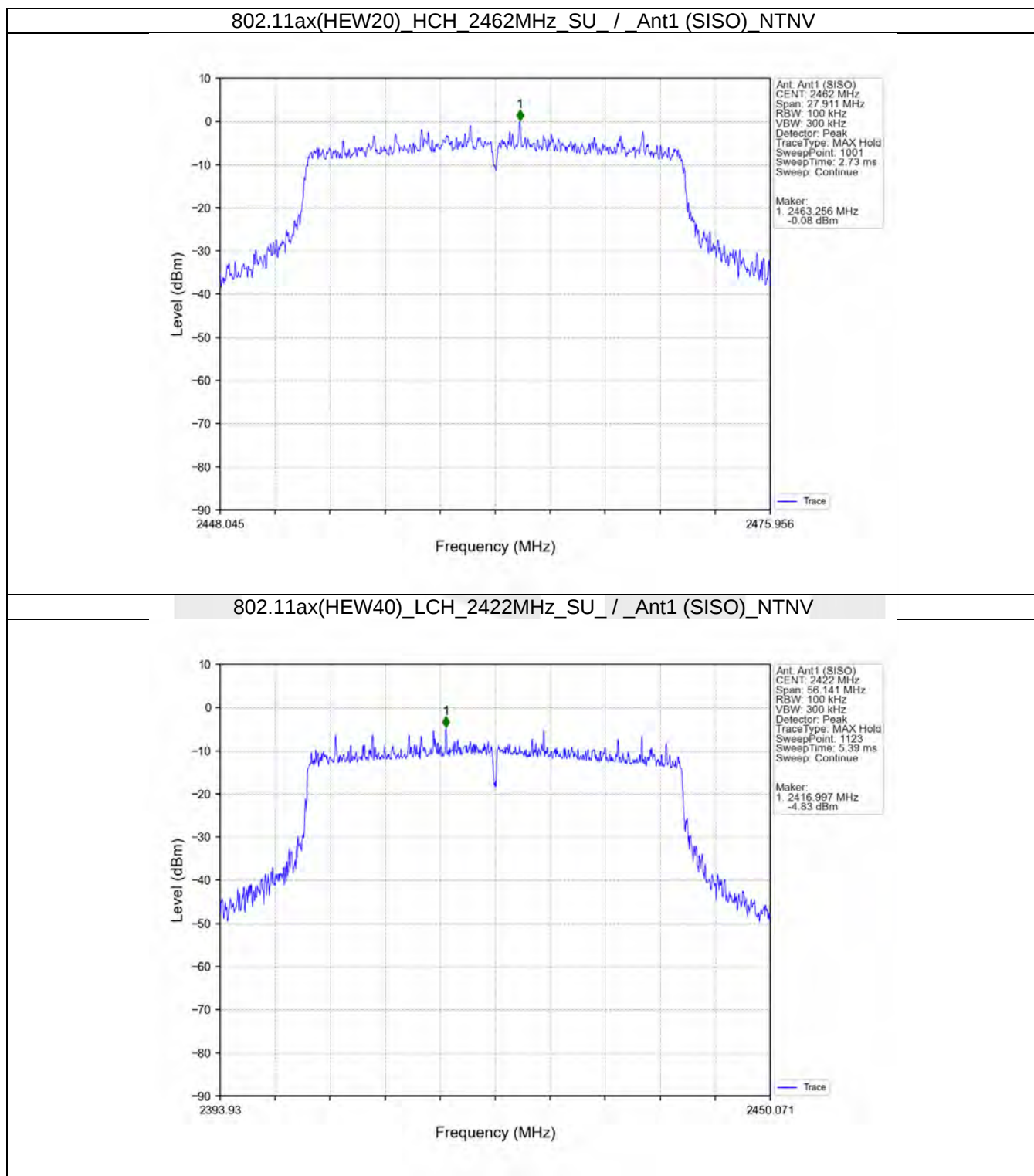




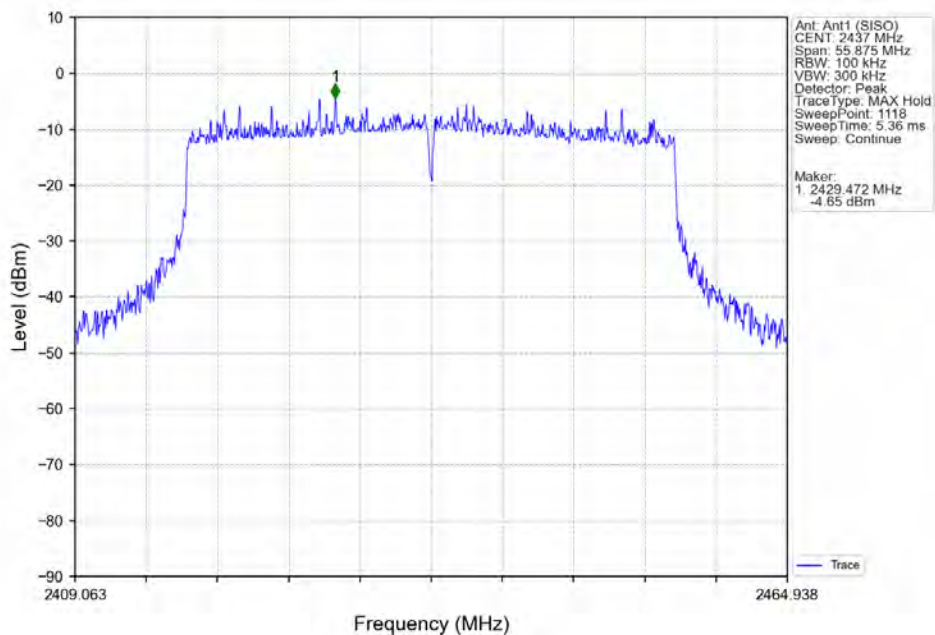




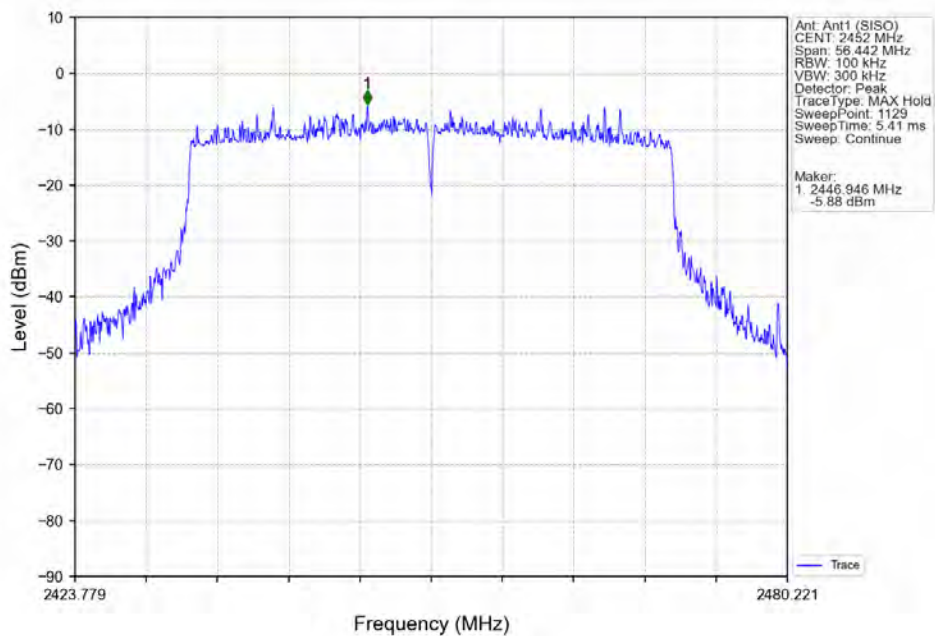




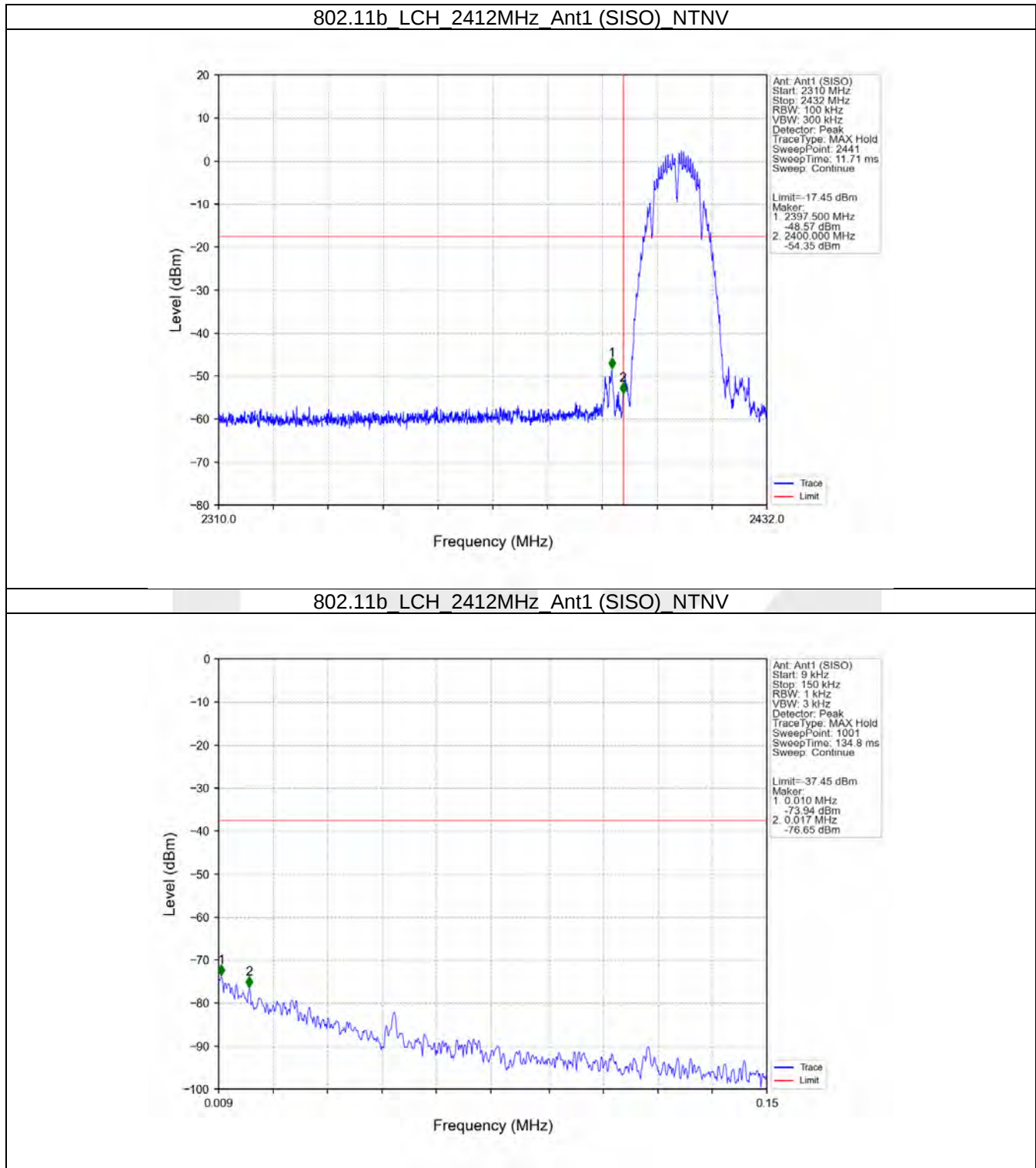
802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



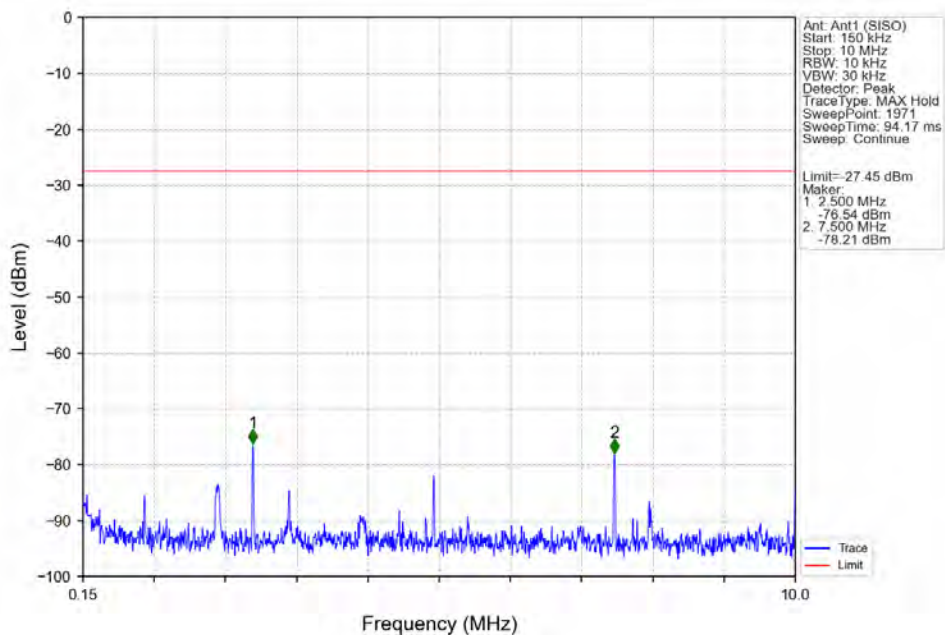
802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (SISO)_NTNV



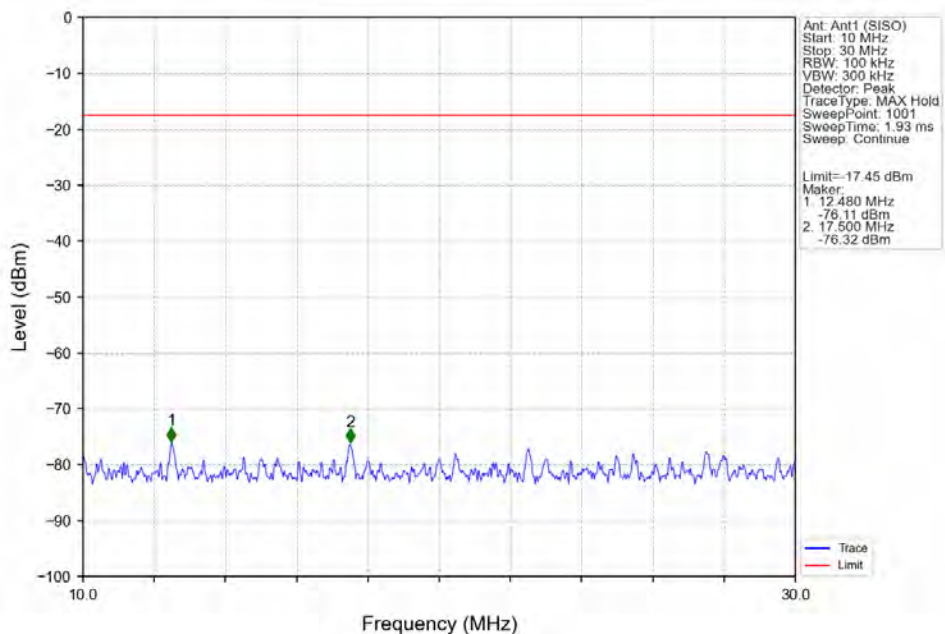
5.2.2 CSE



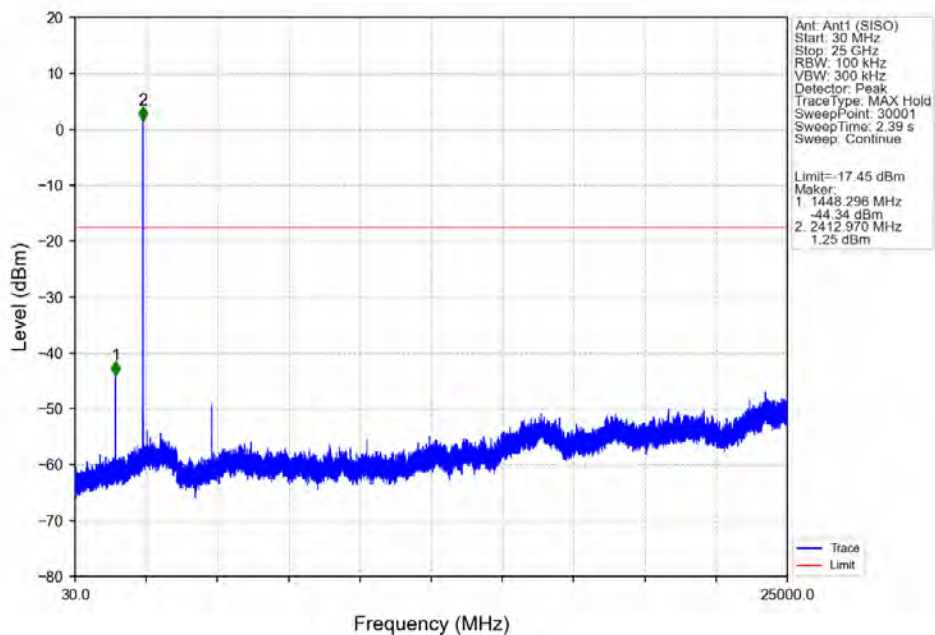
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



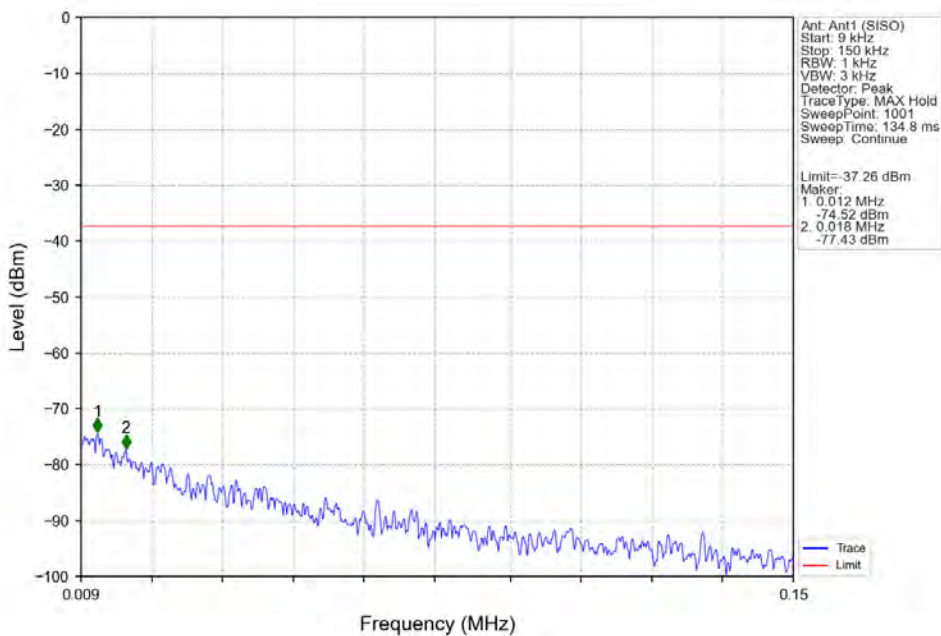
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



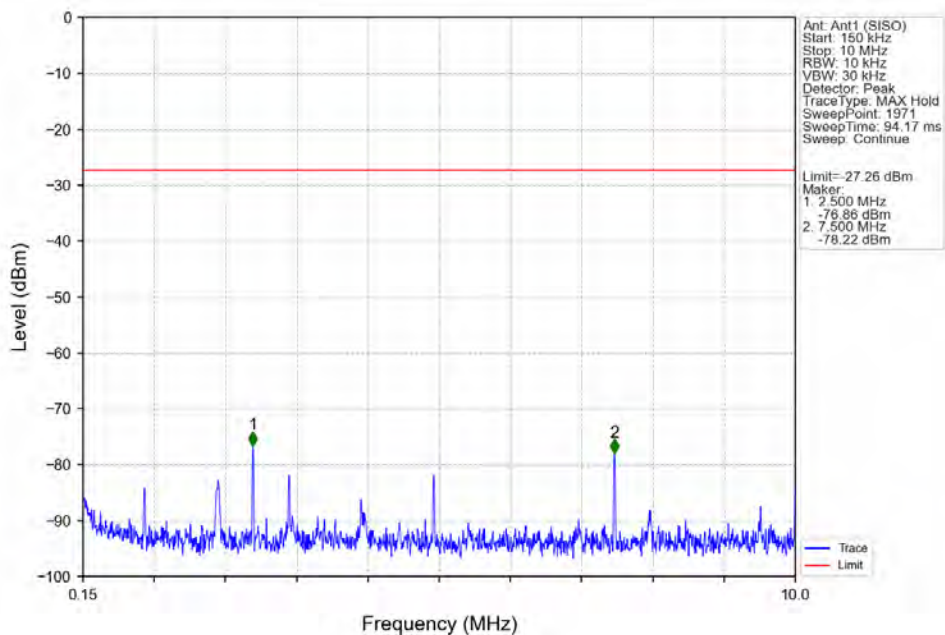
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



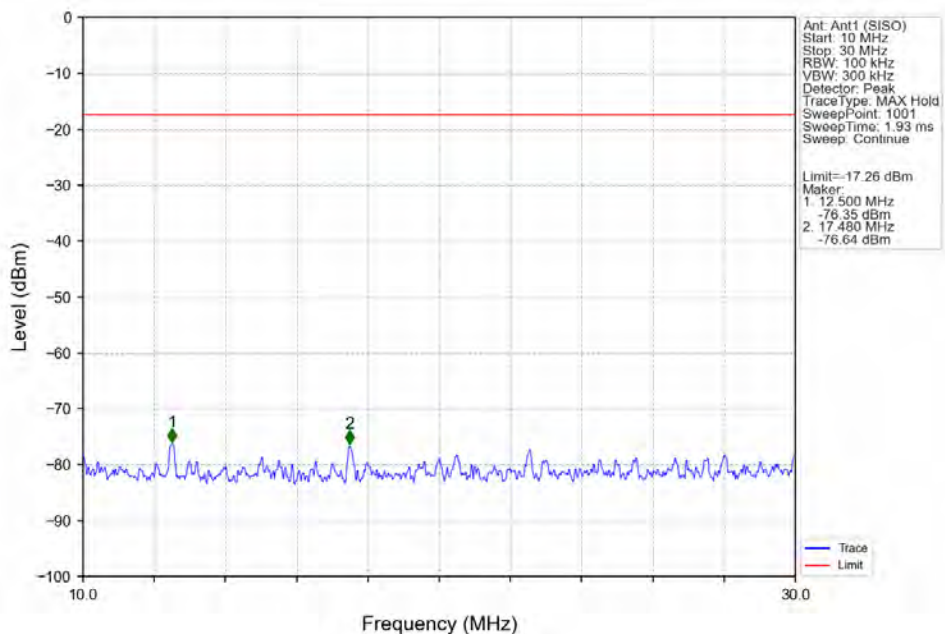
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



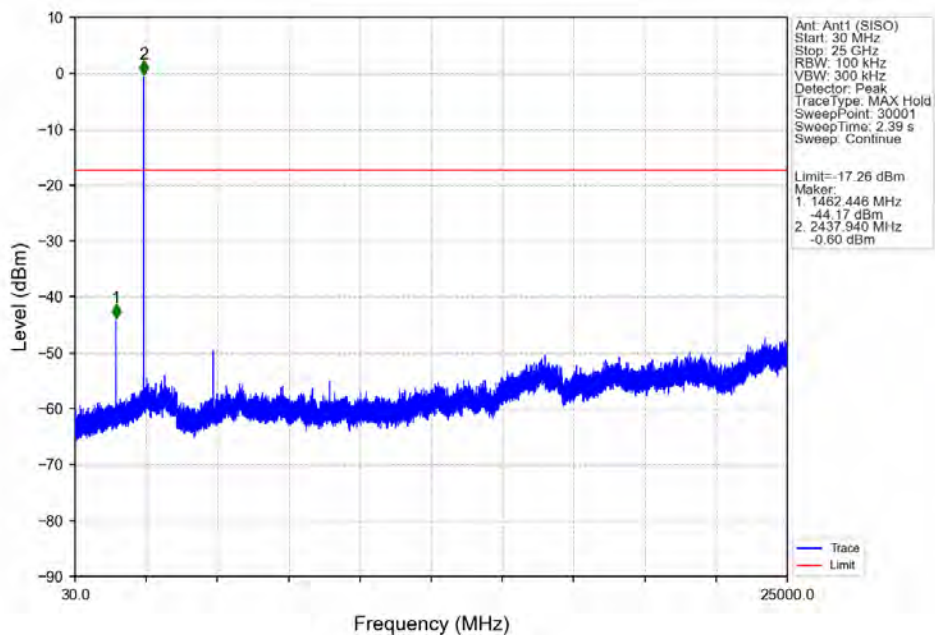
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



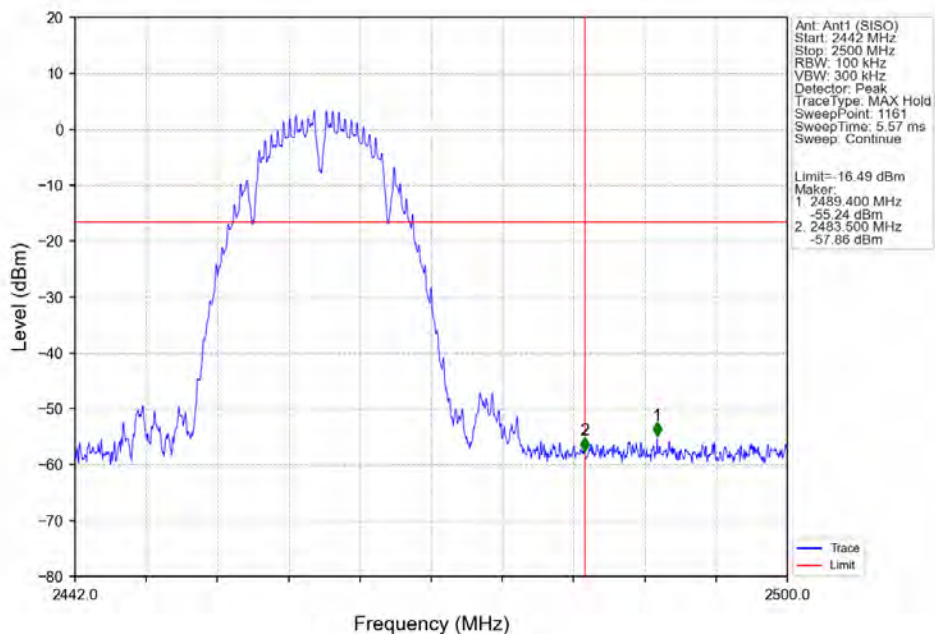
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV

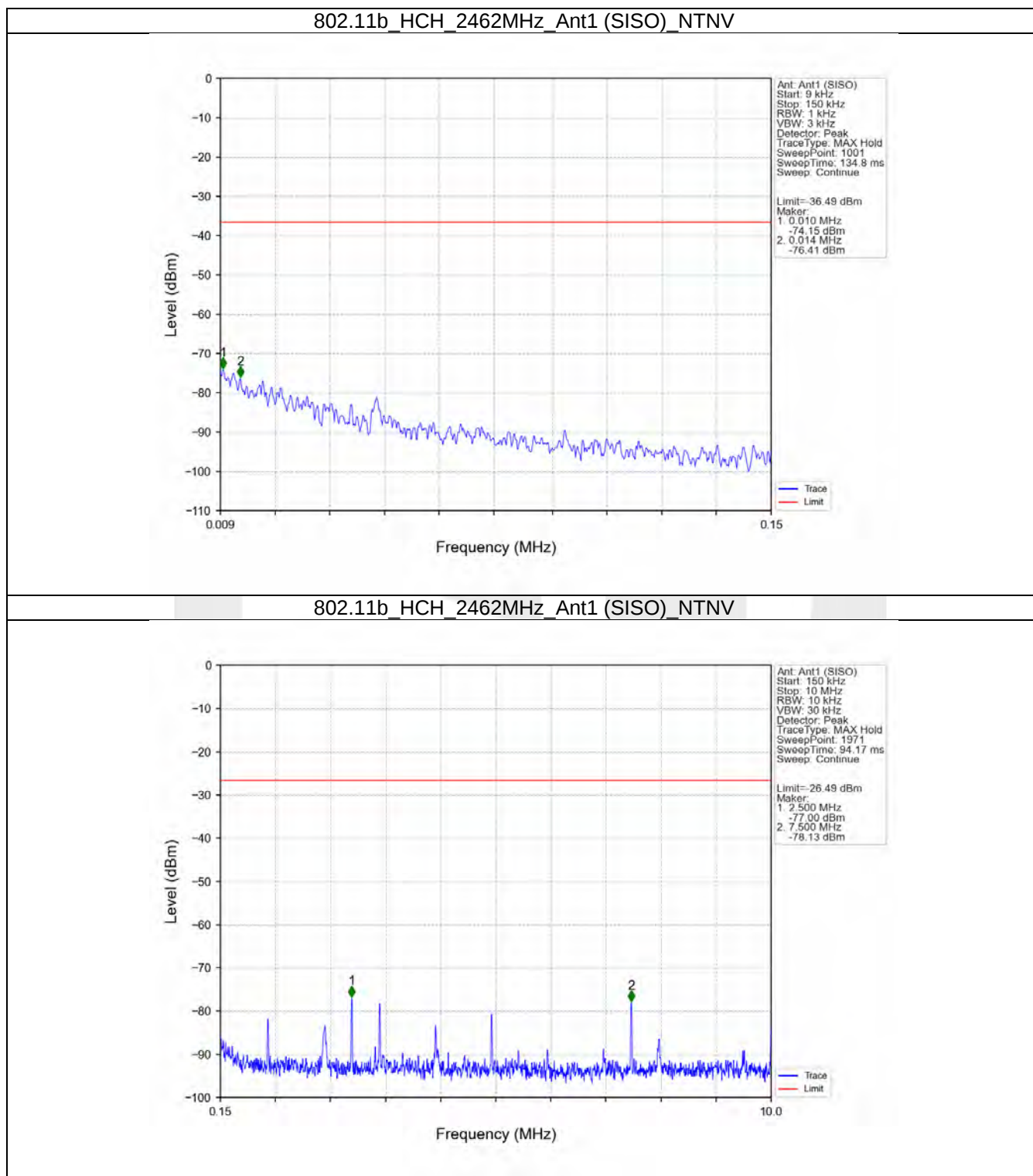


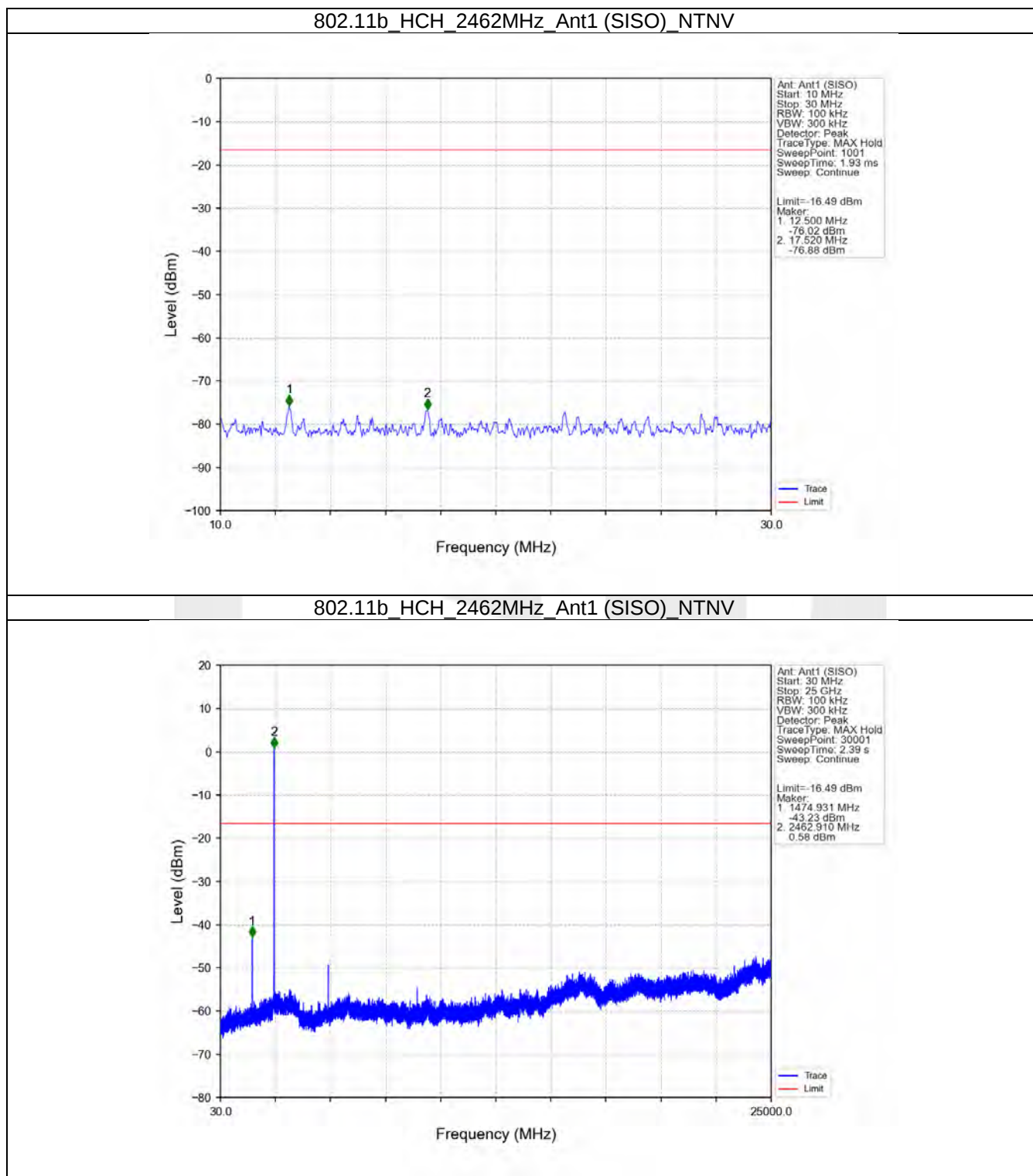
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



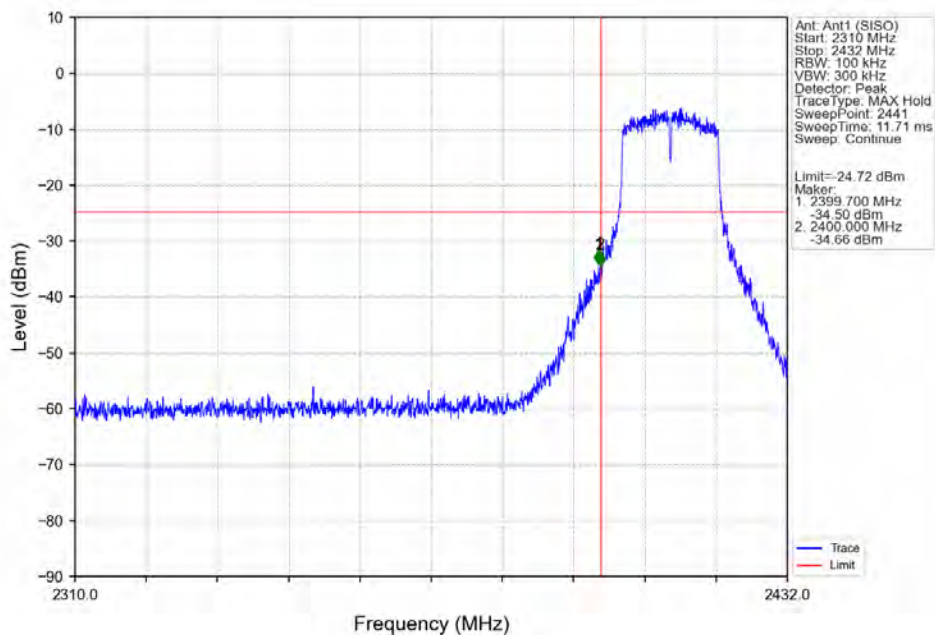
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



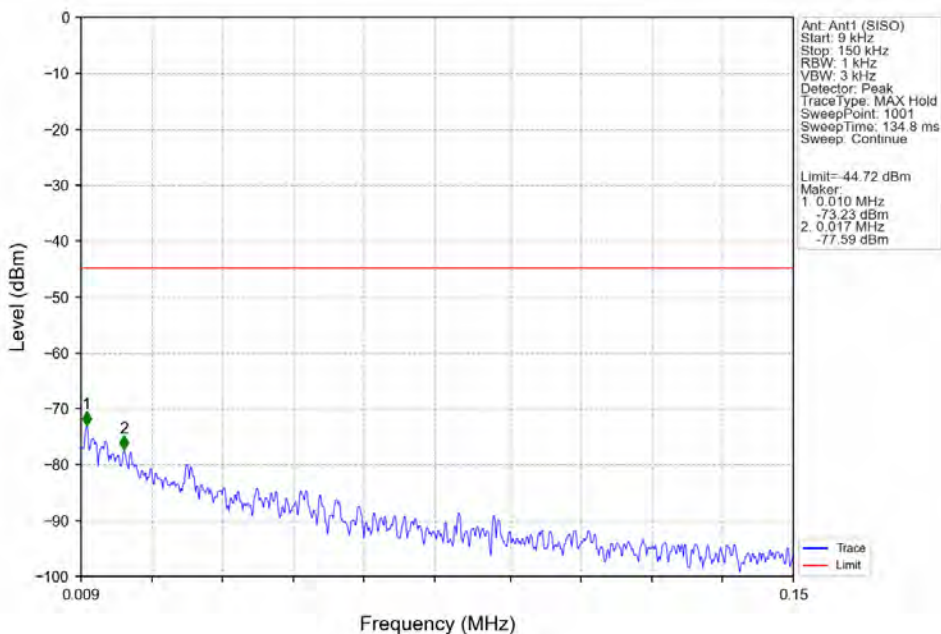




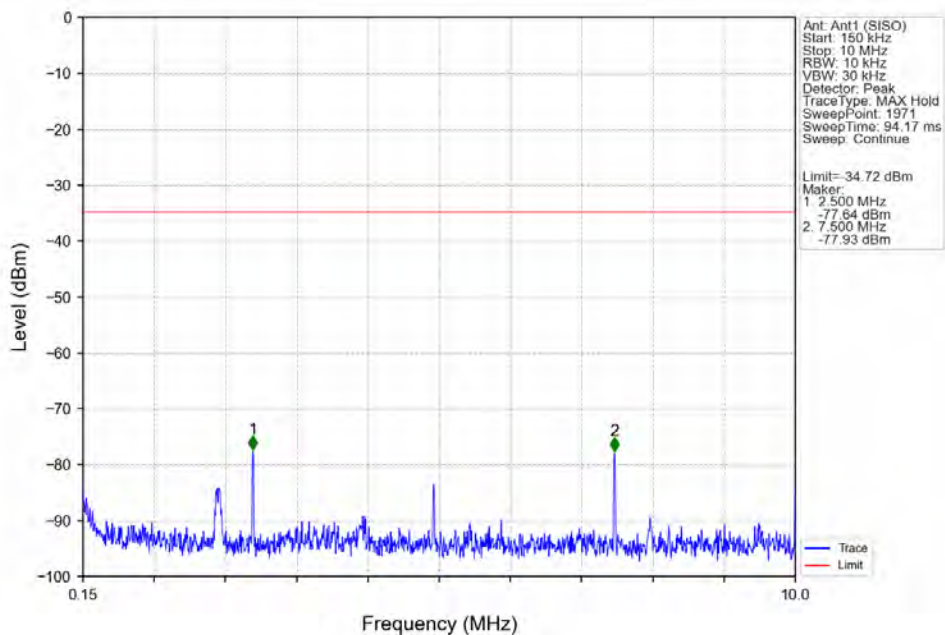
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



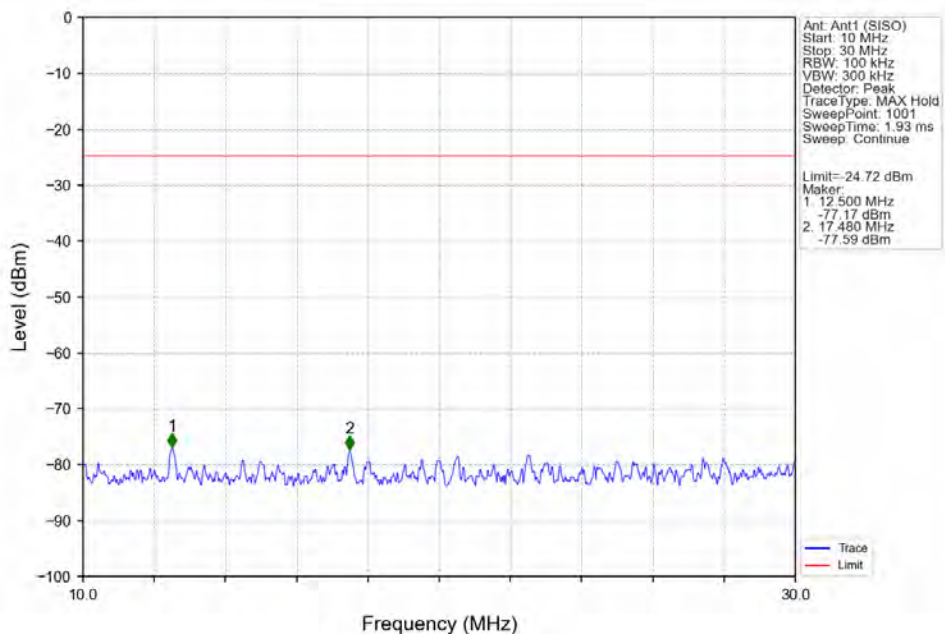
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



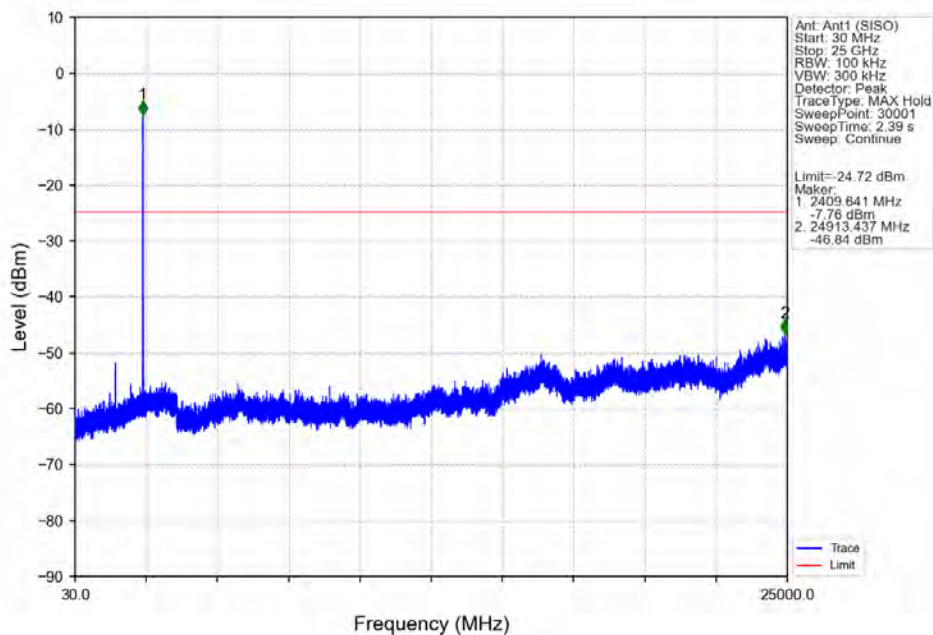
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



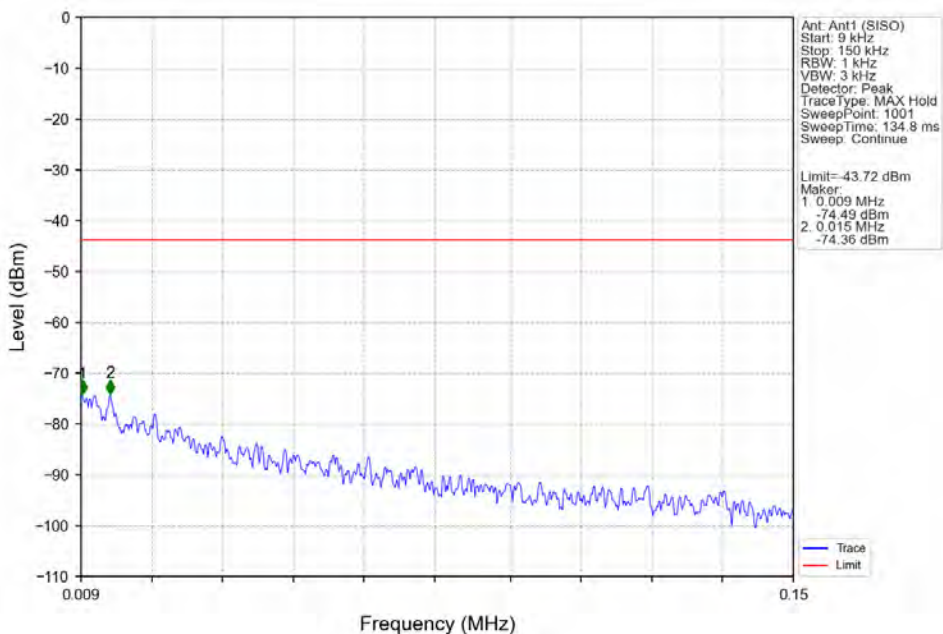
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



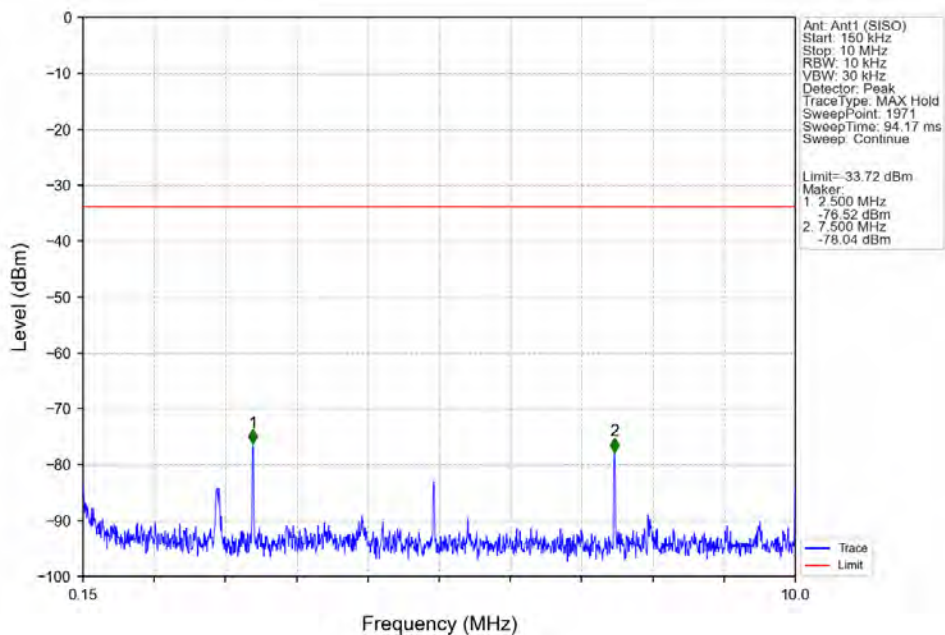
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



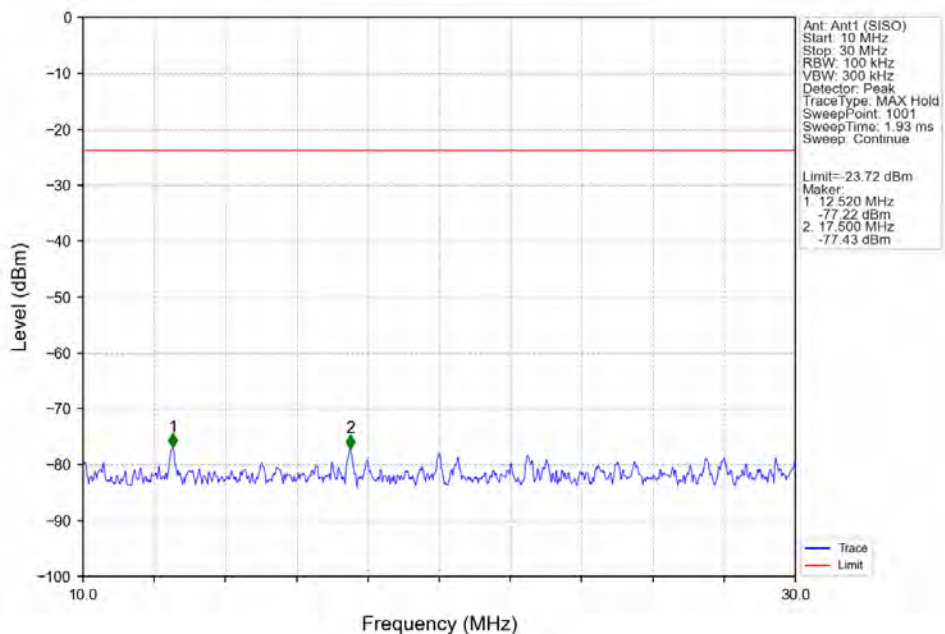
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

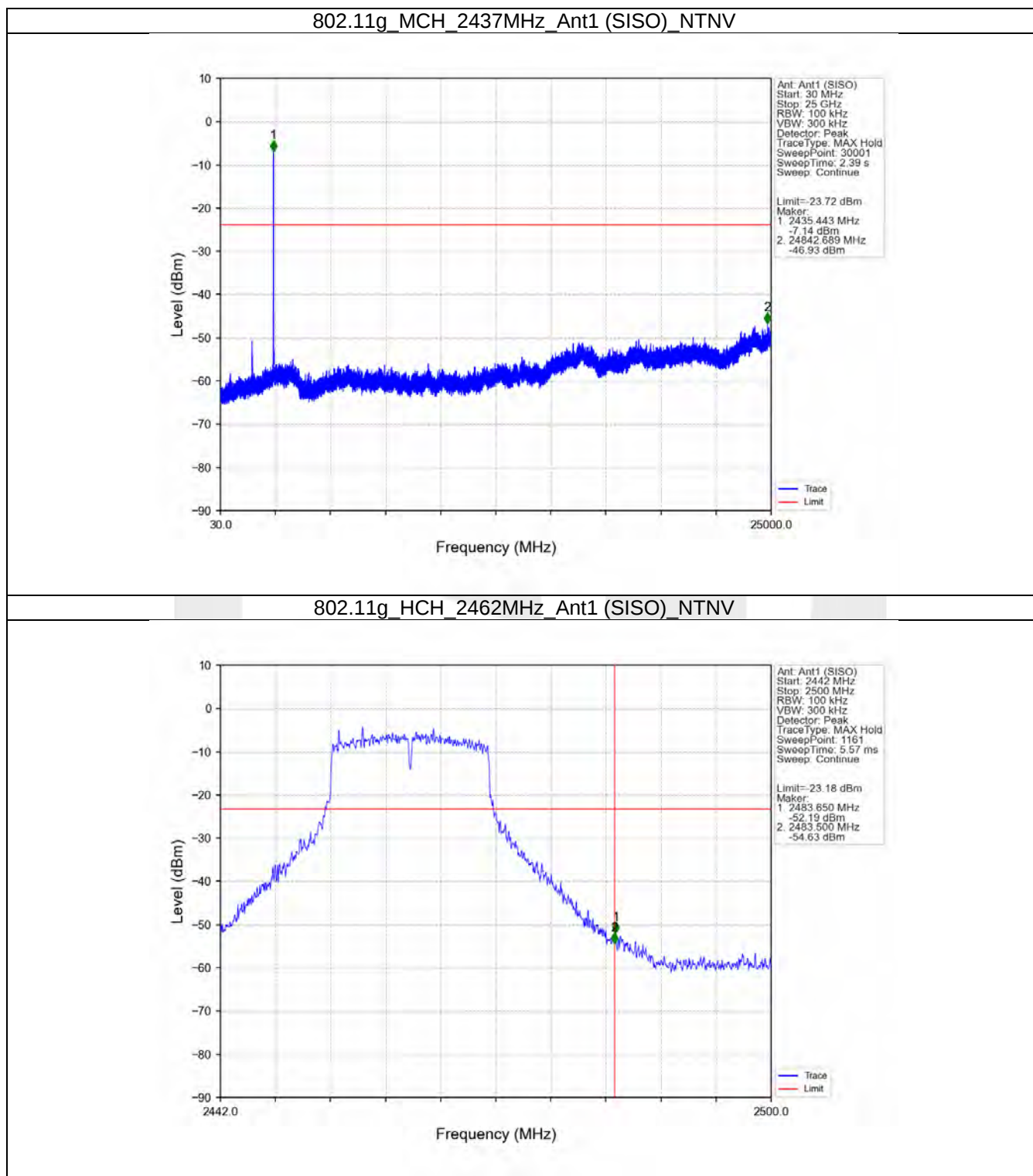


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

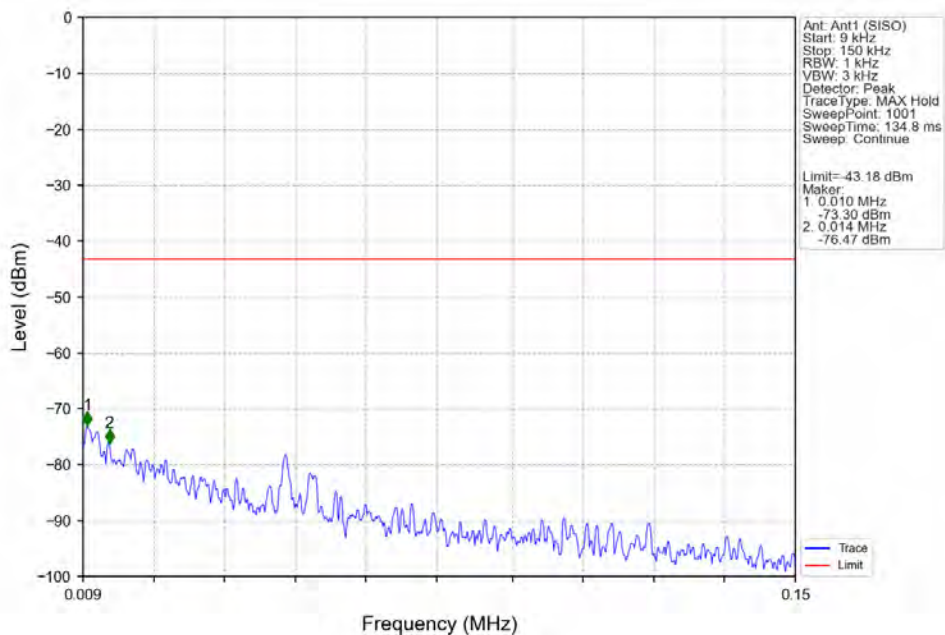


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

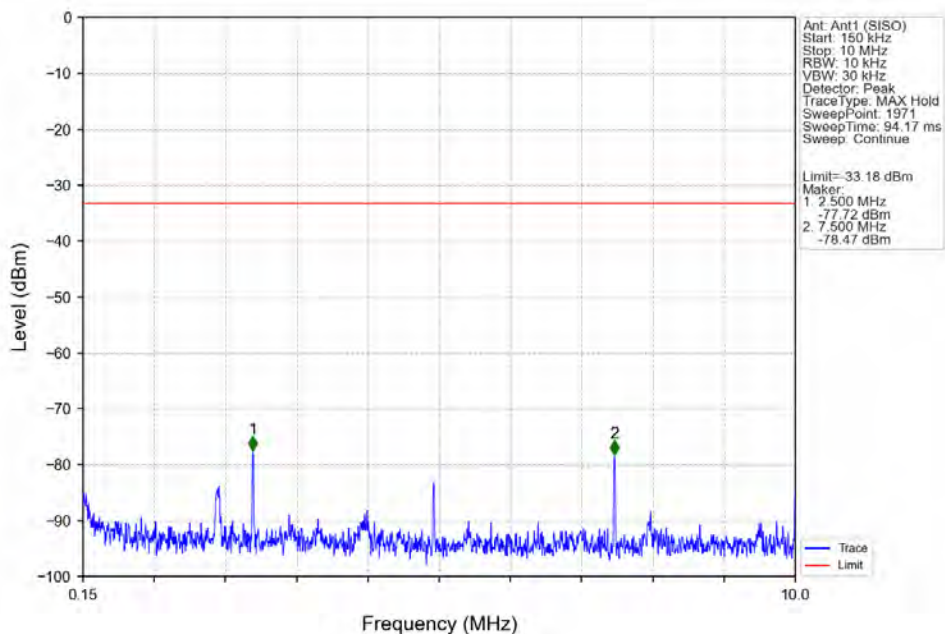




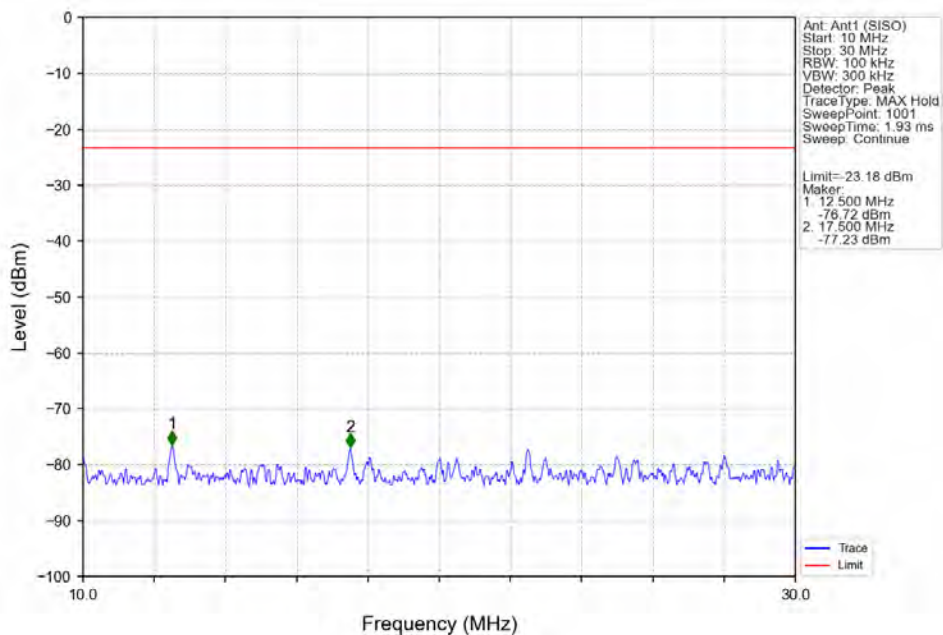
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



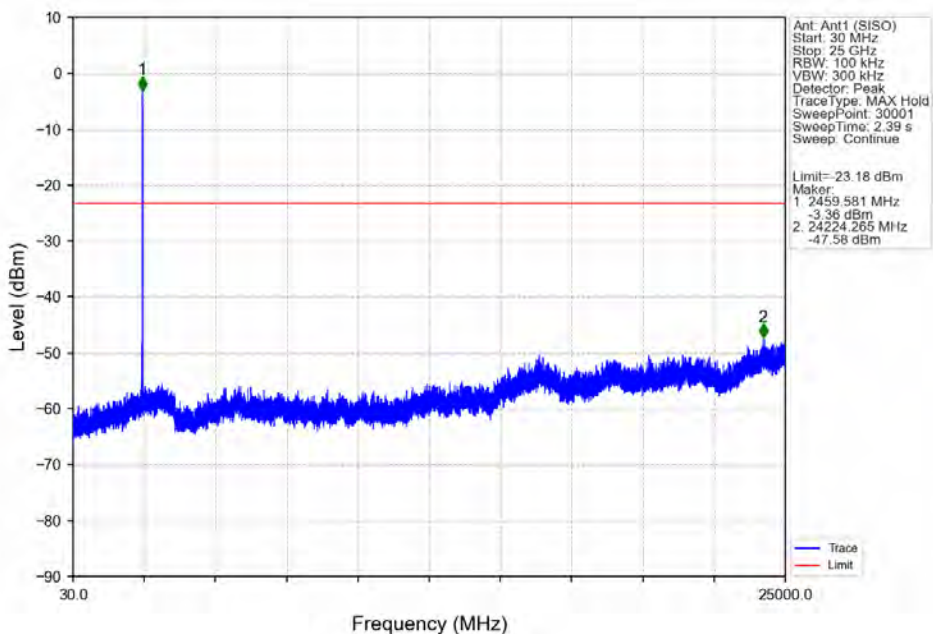
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



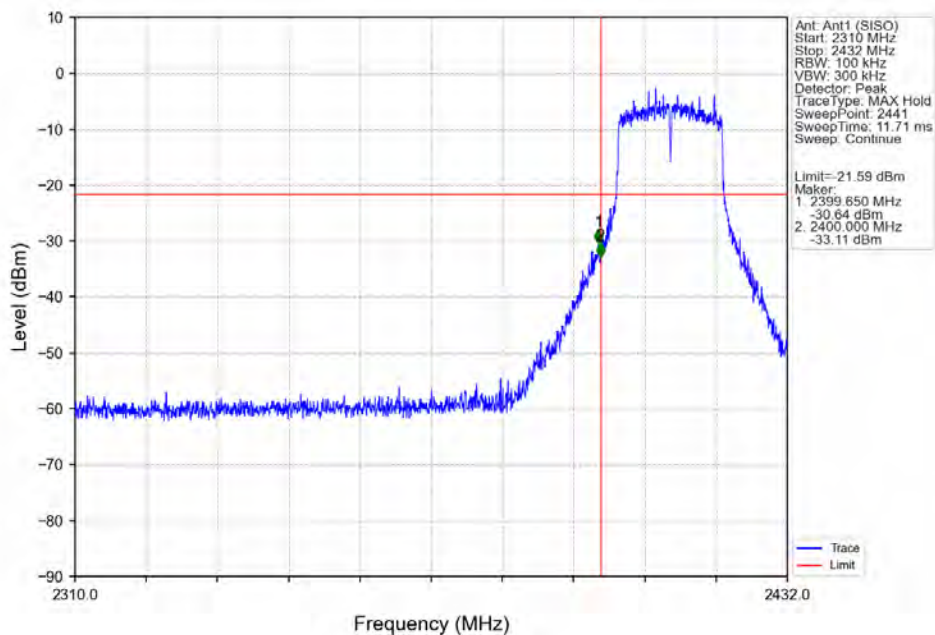
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



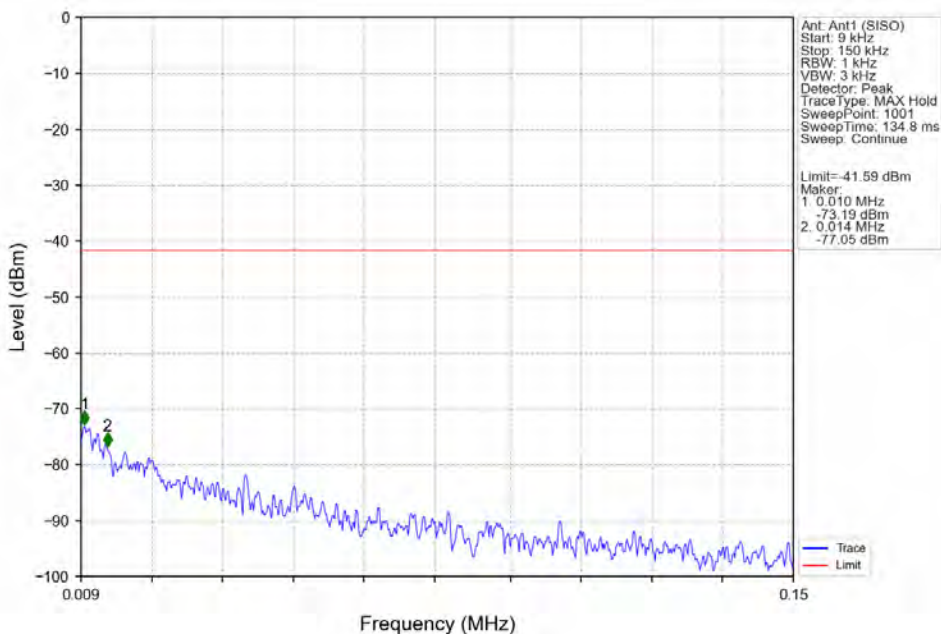
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



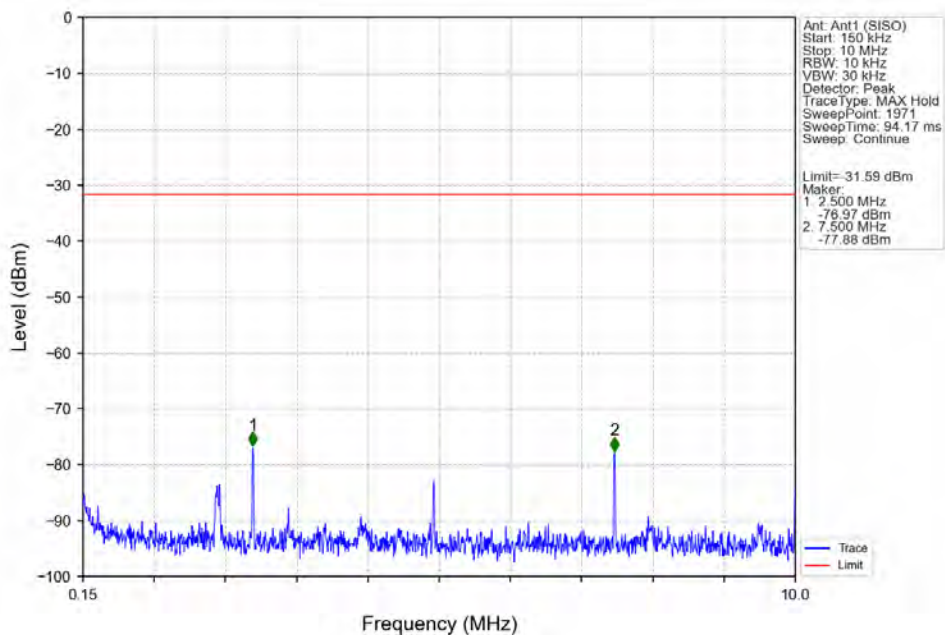
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



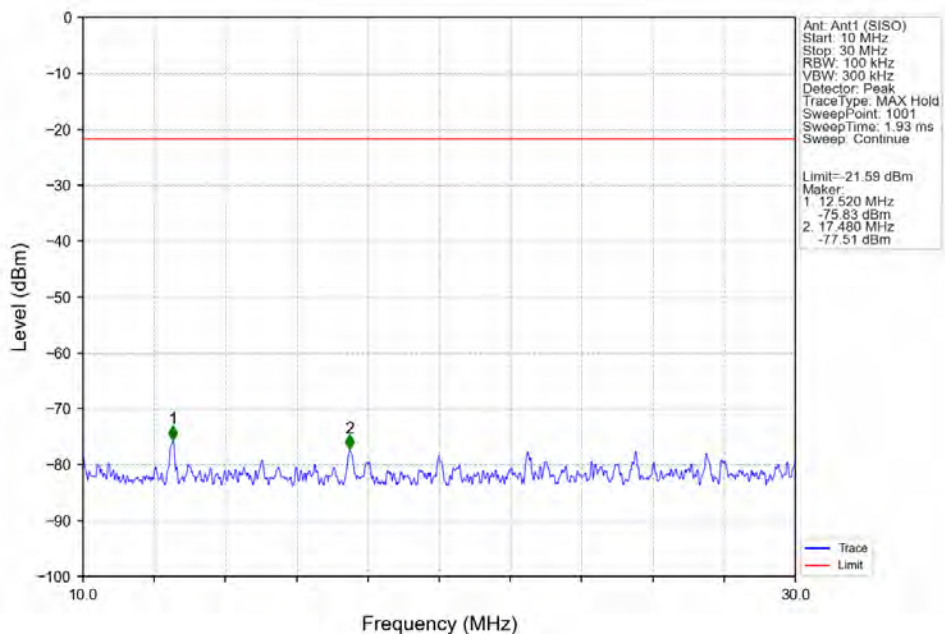
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



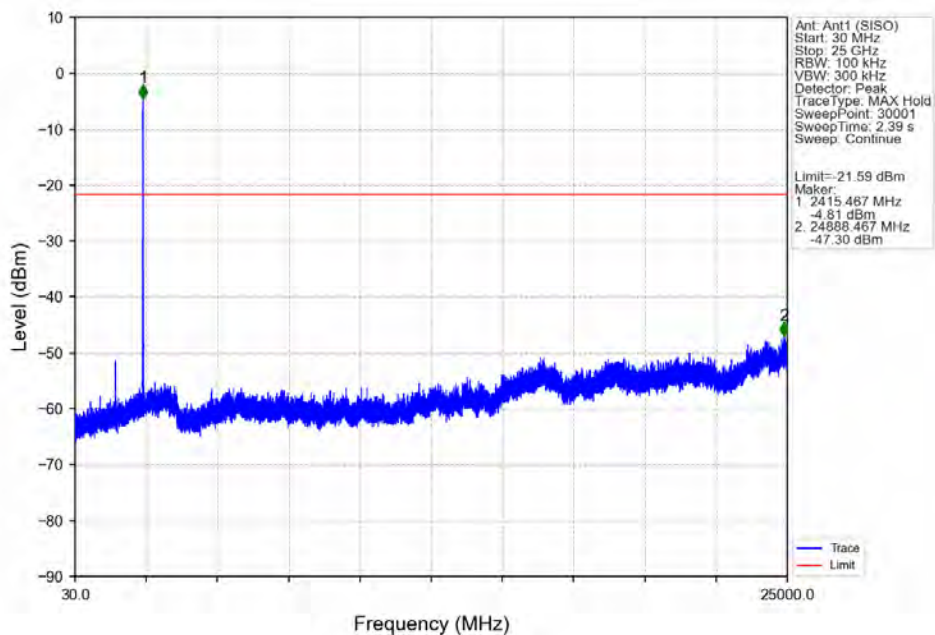
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



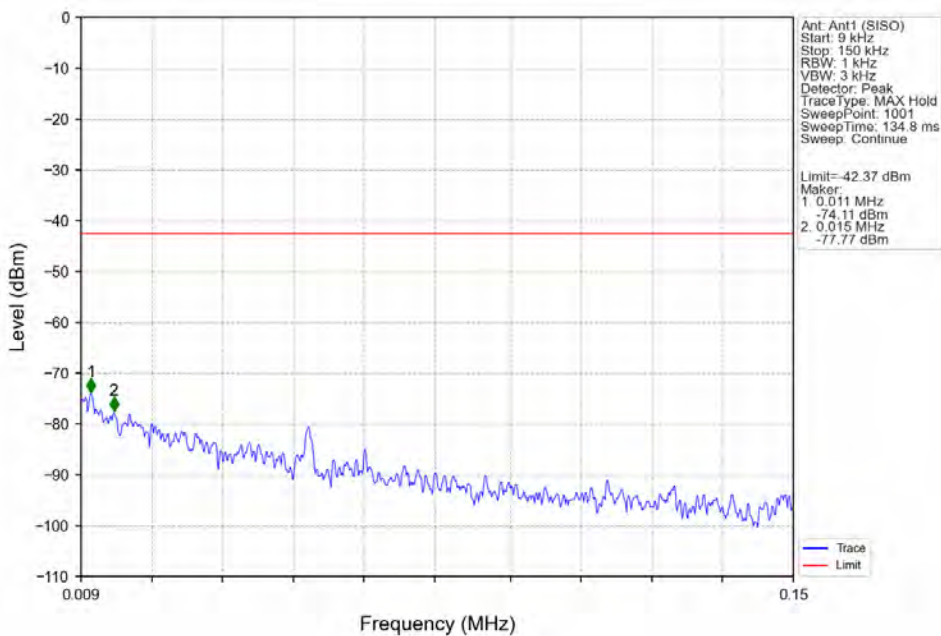
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

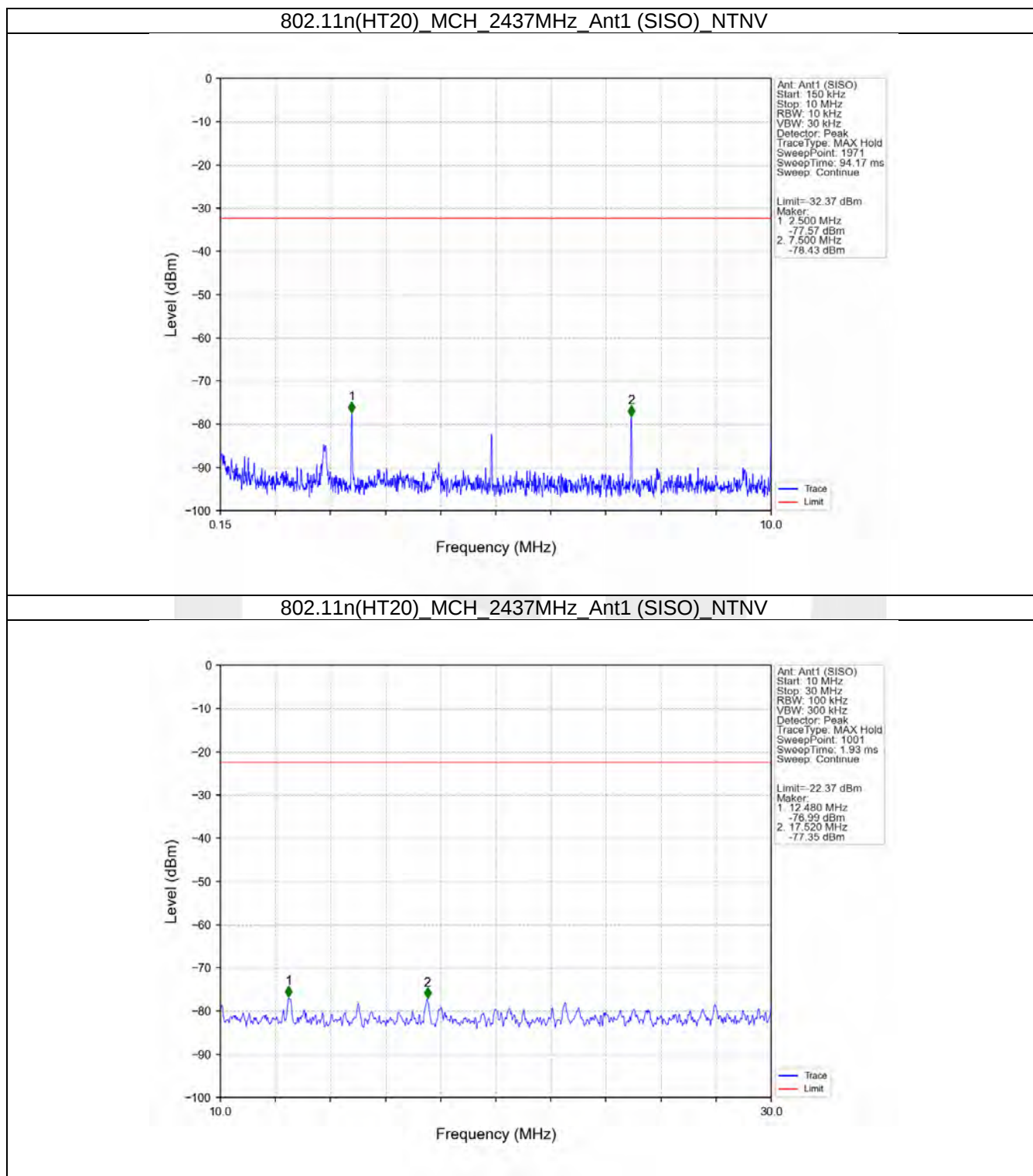


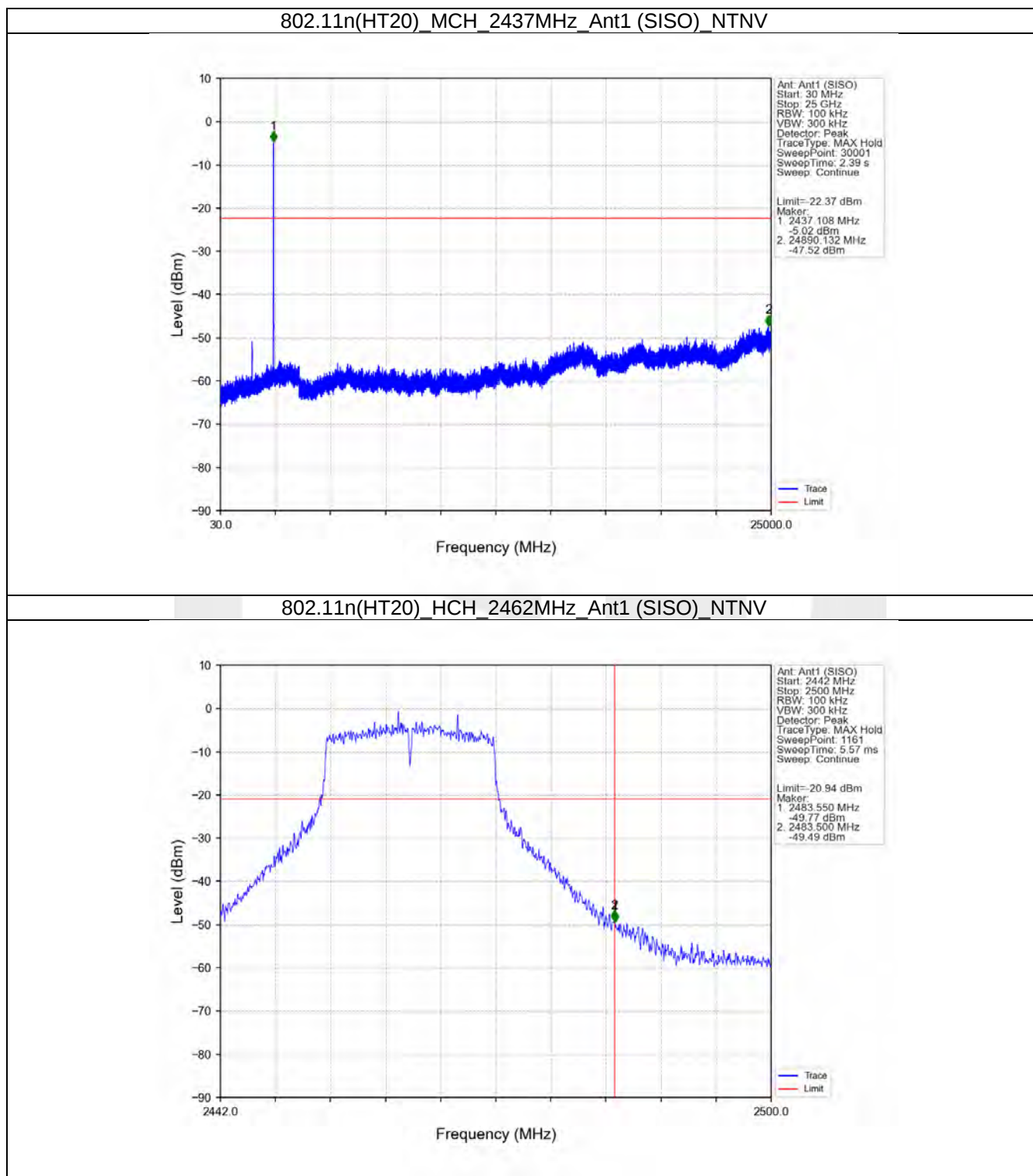
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



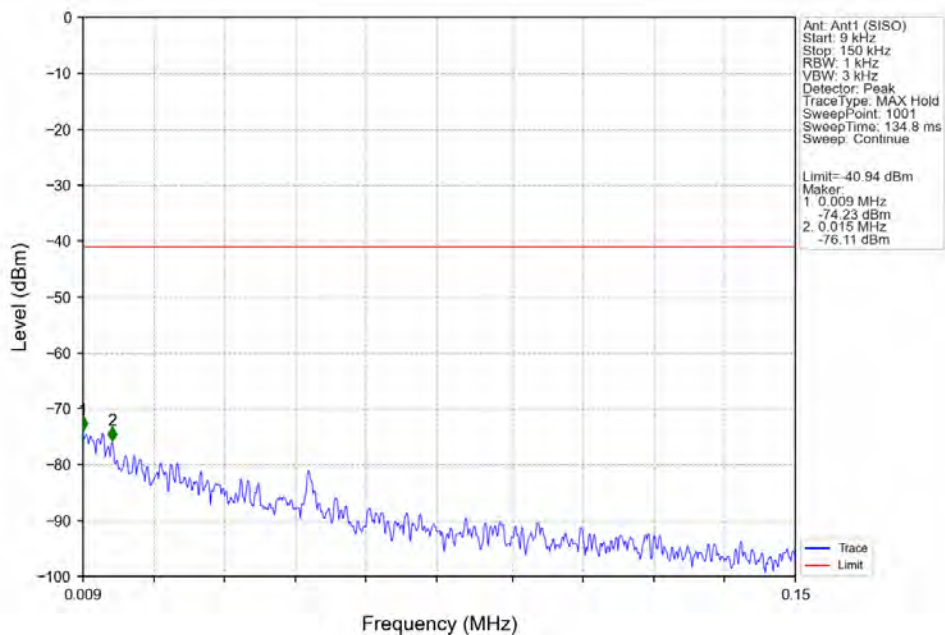
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



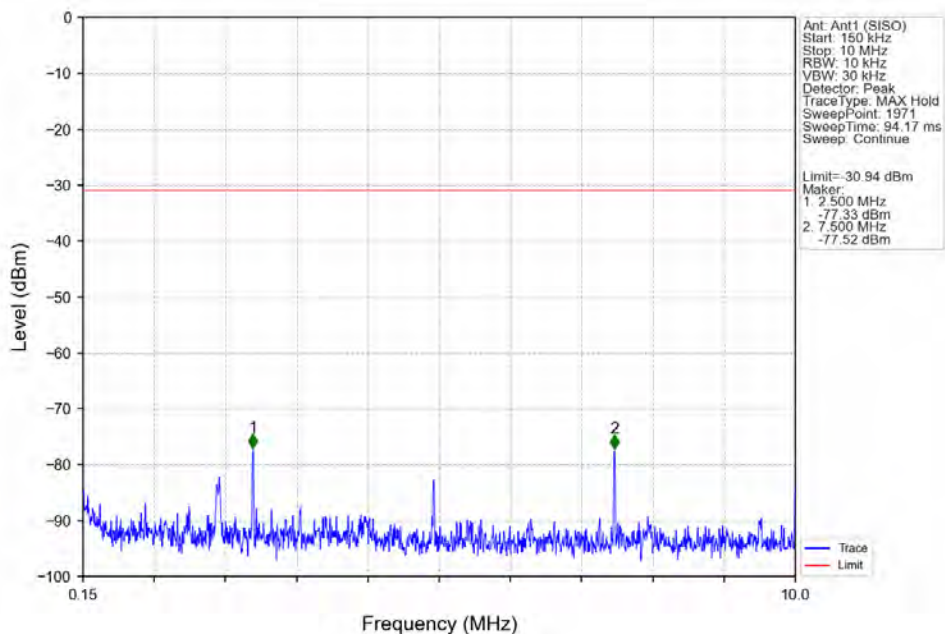


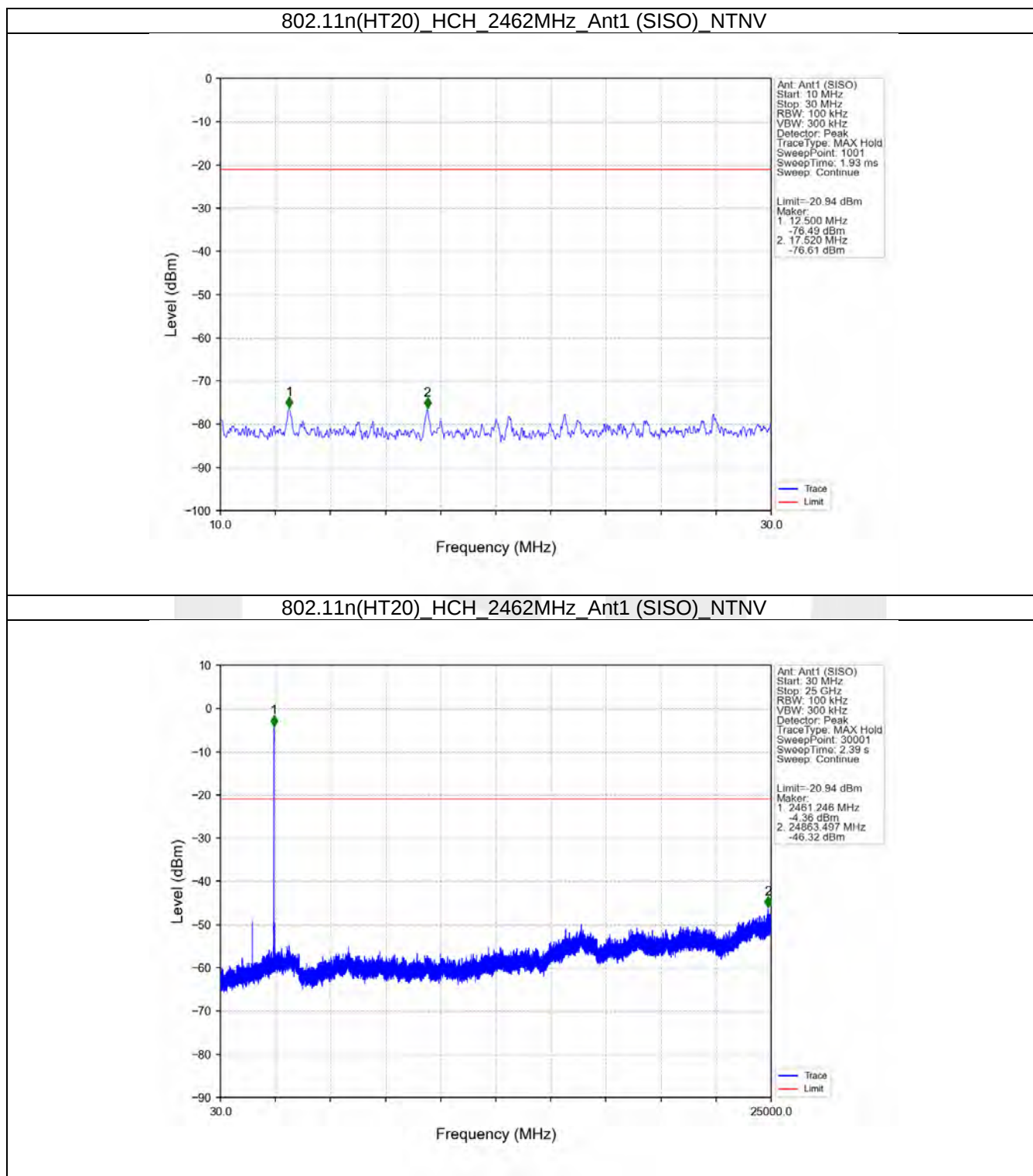


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

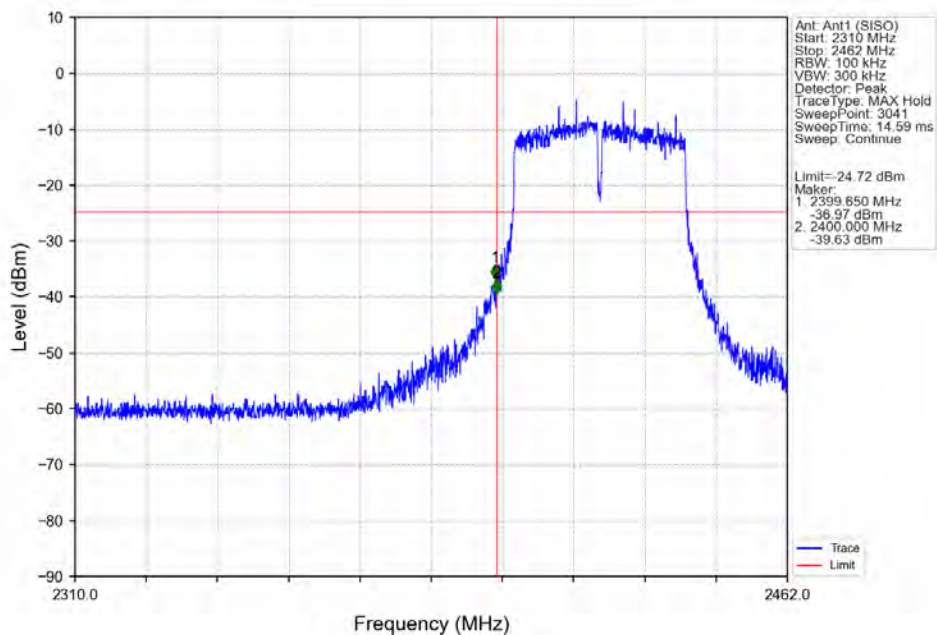


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

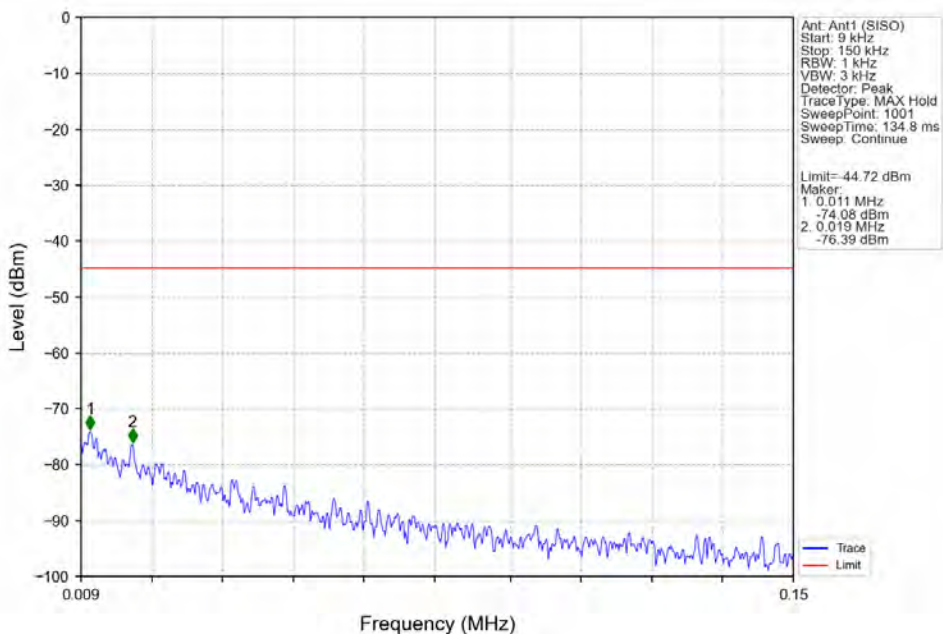




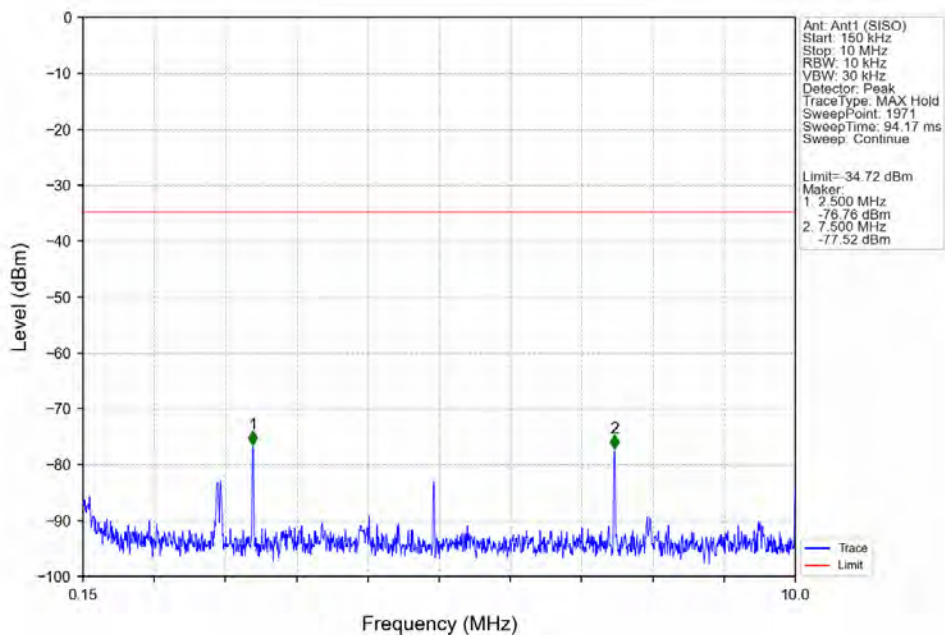
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



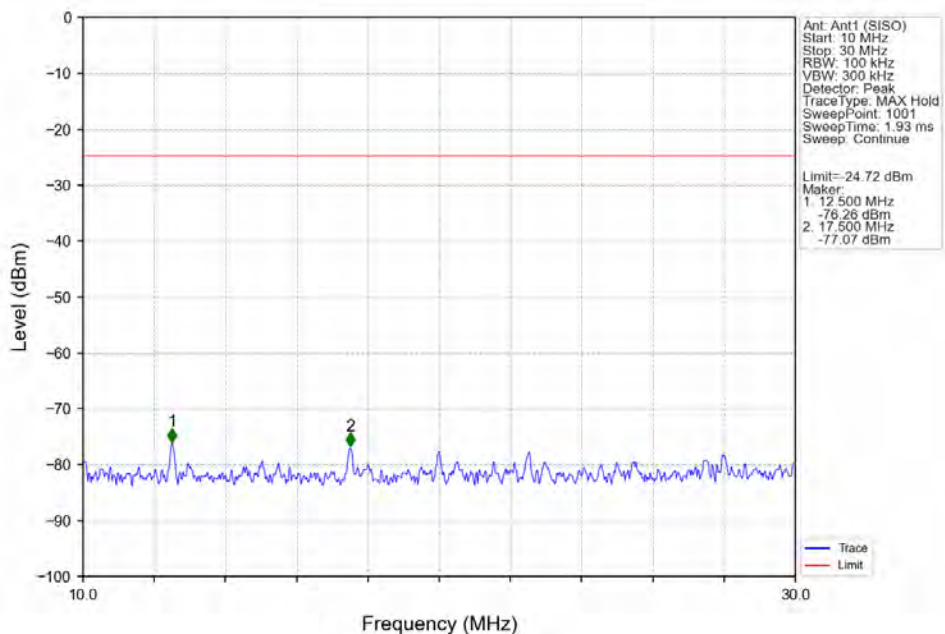
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



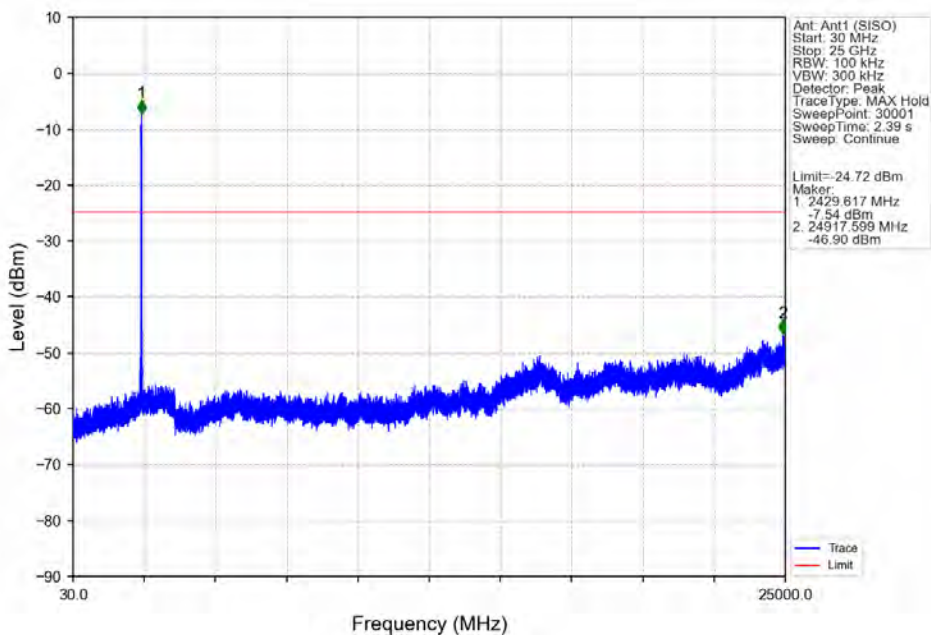
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



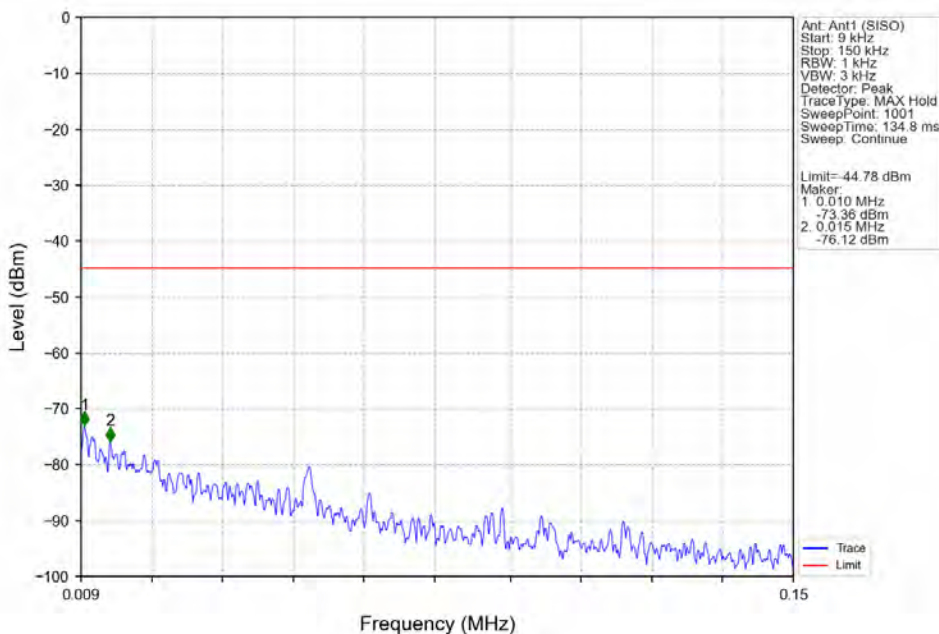
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

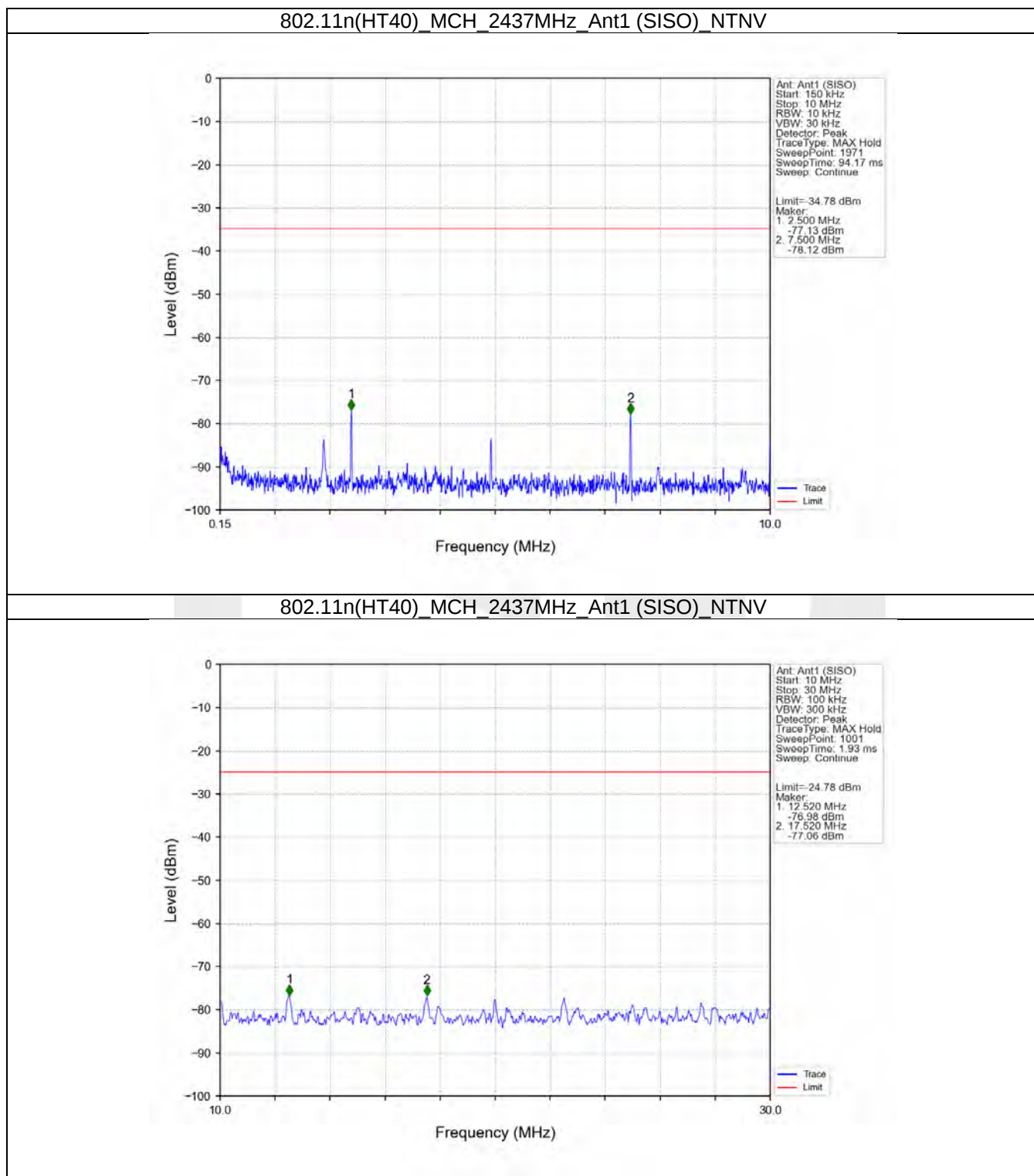


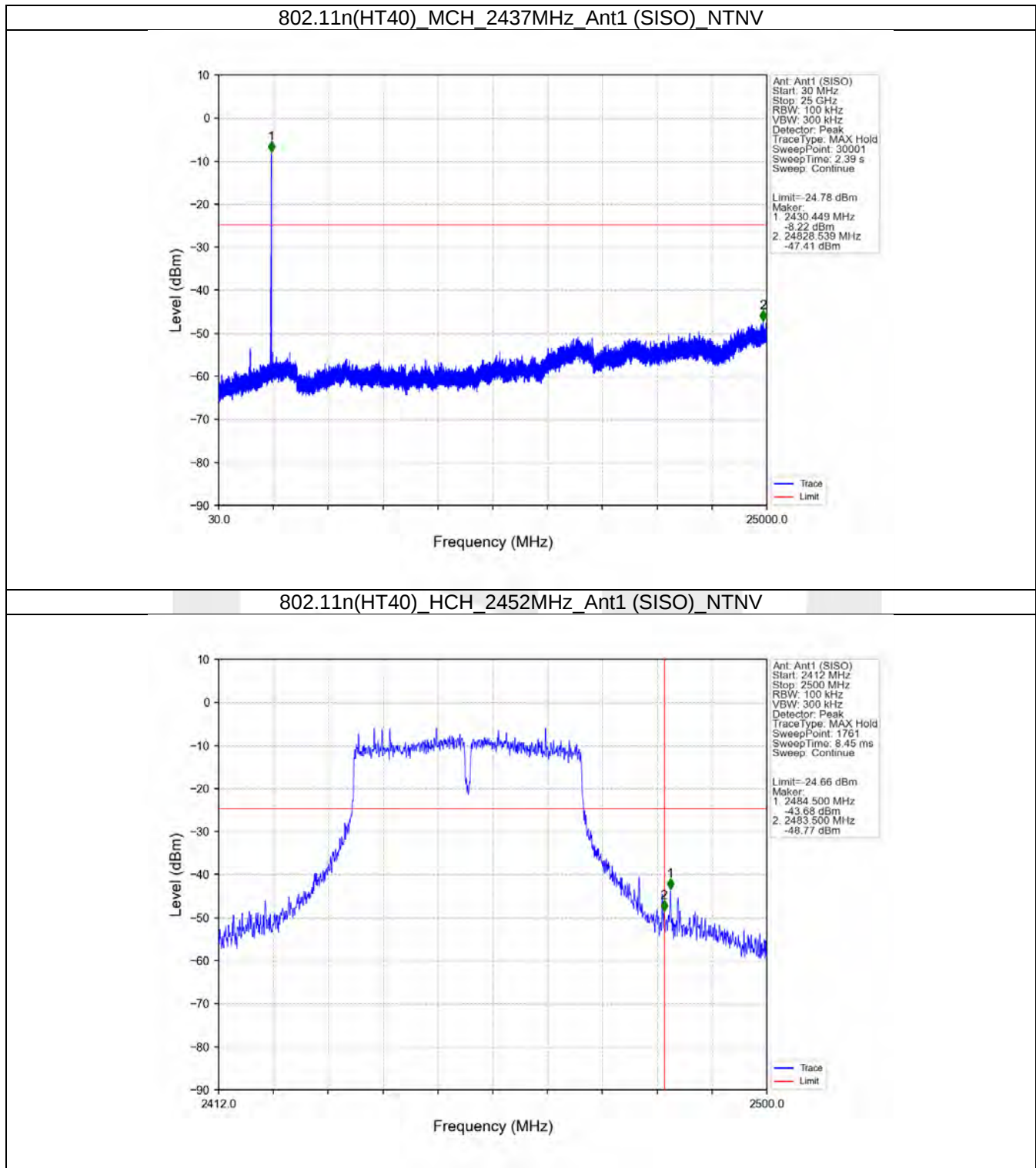
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

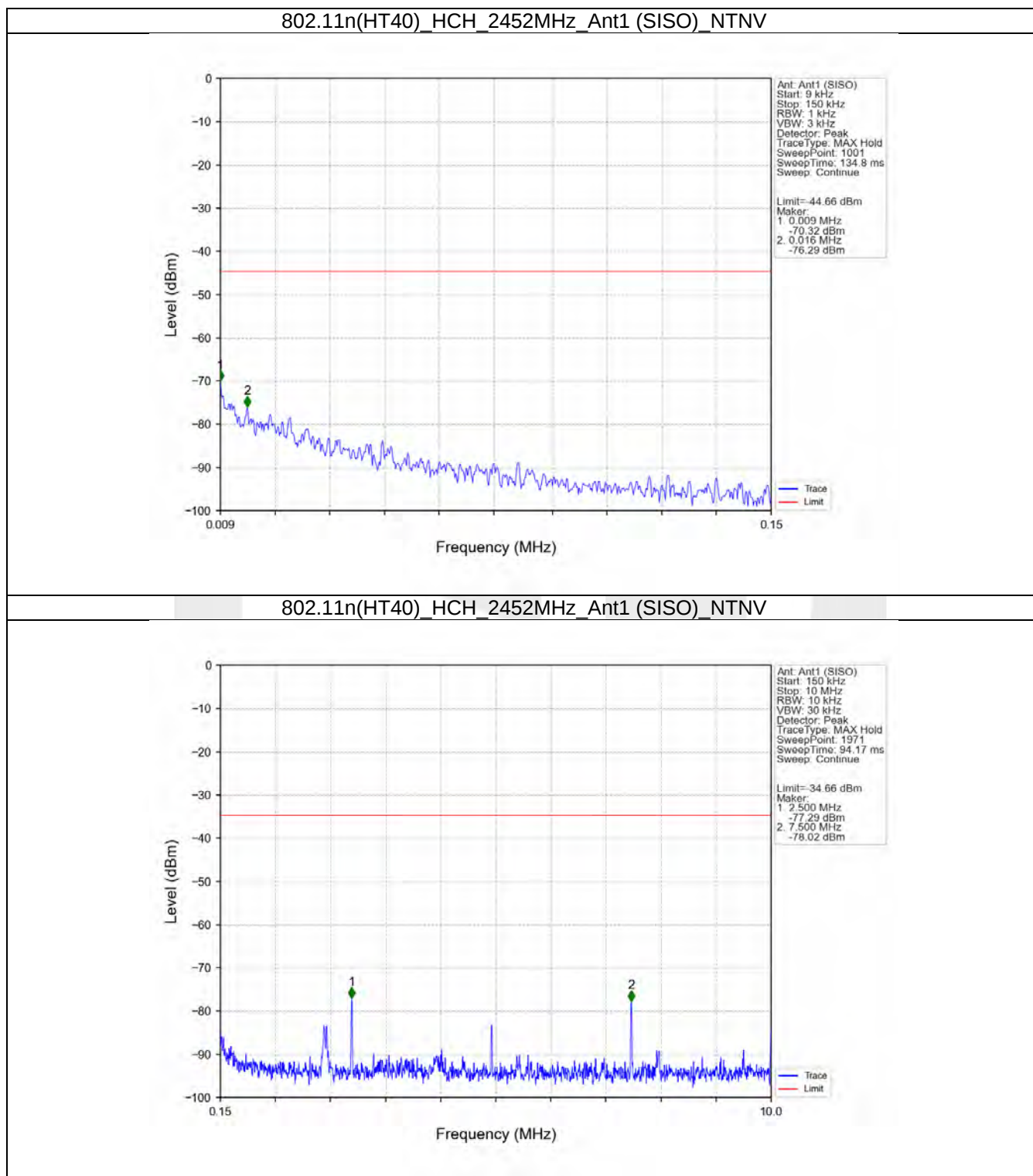


802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

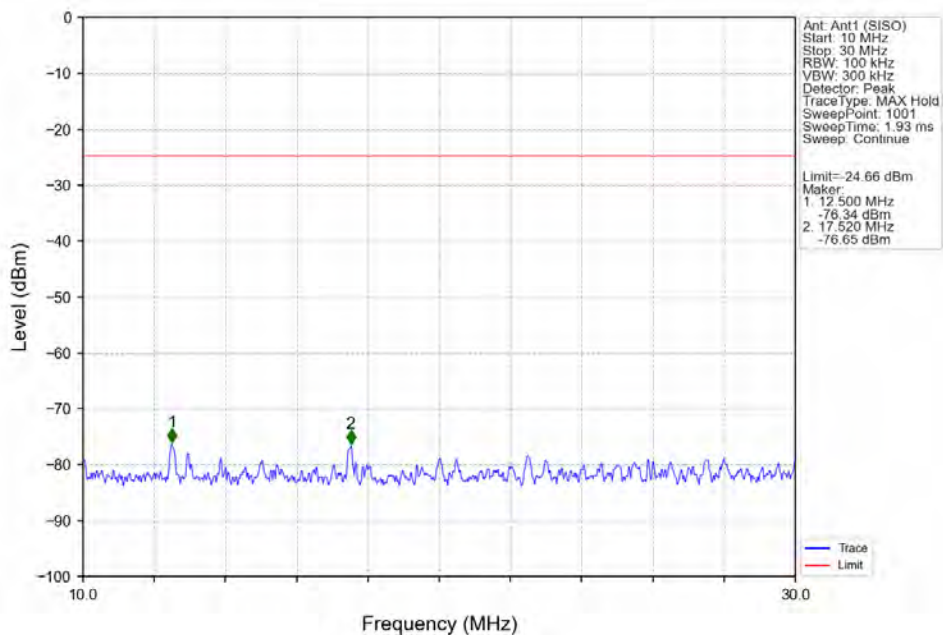




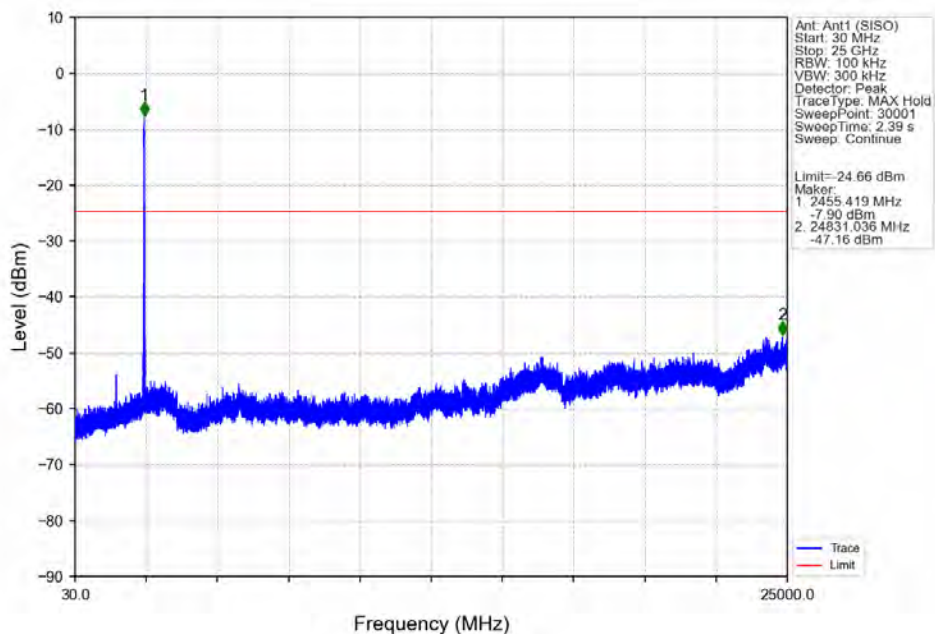




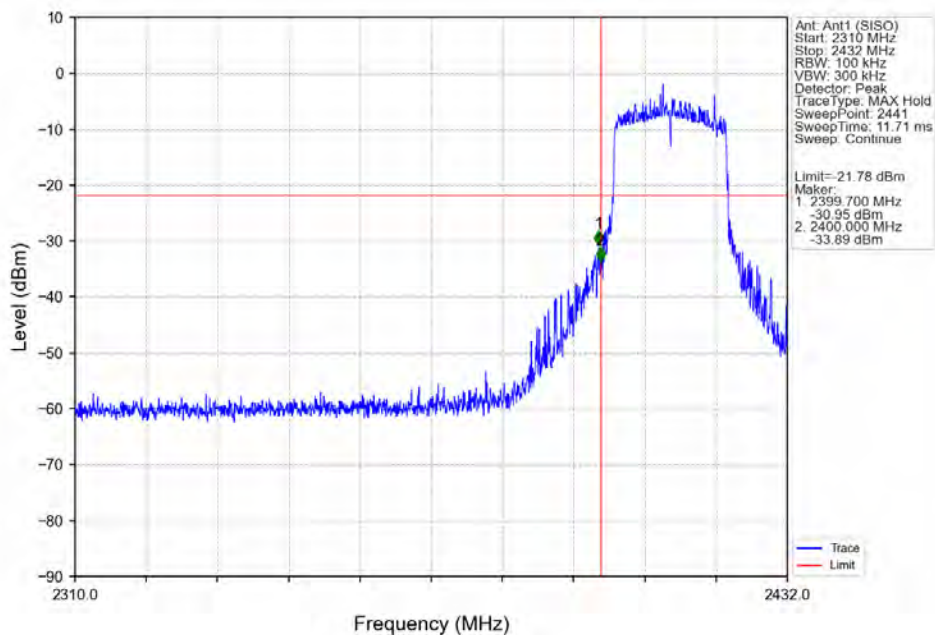
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



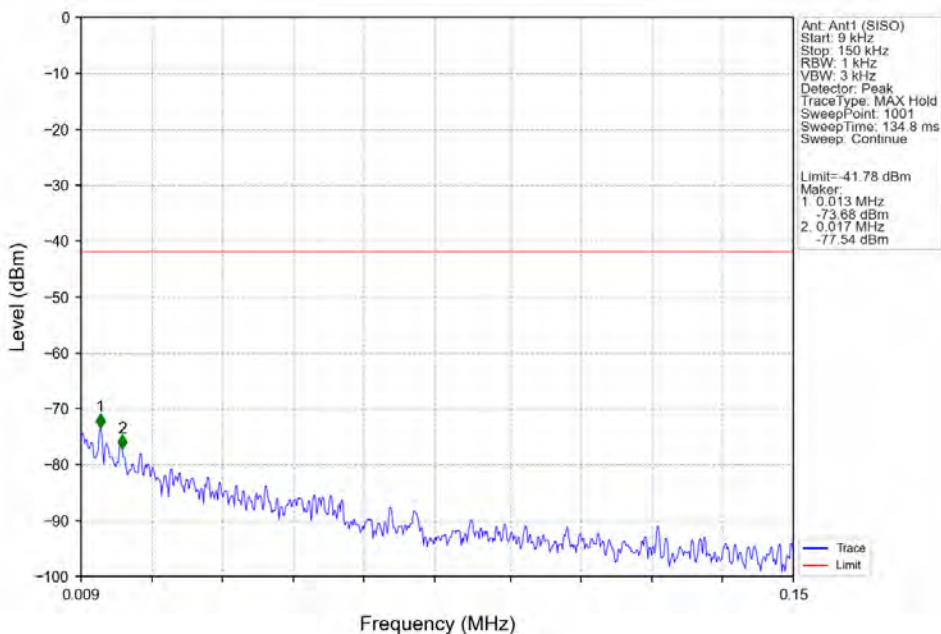
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



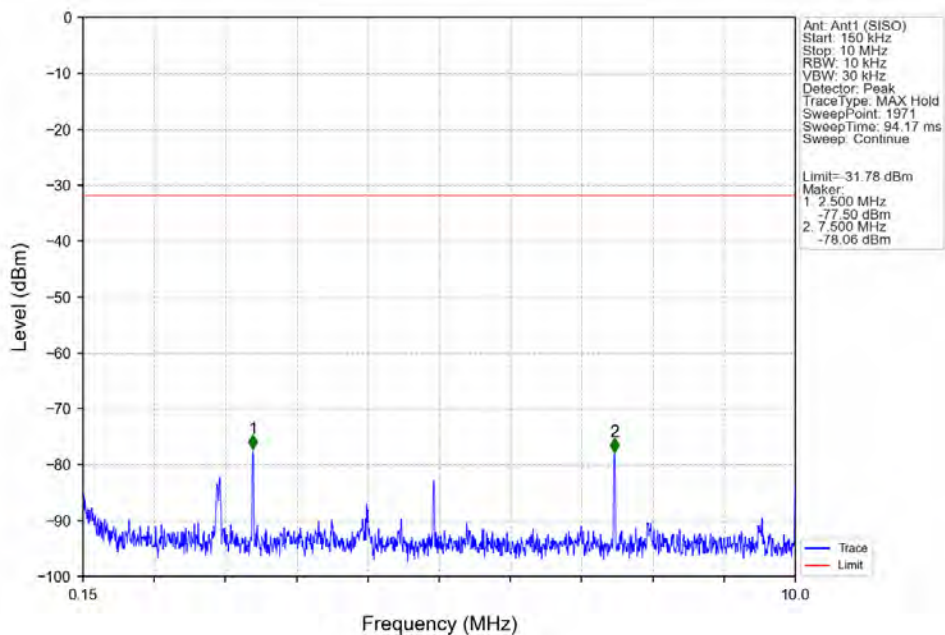
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



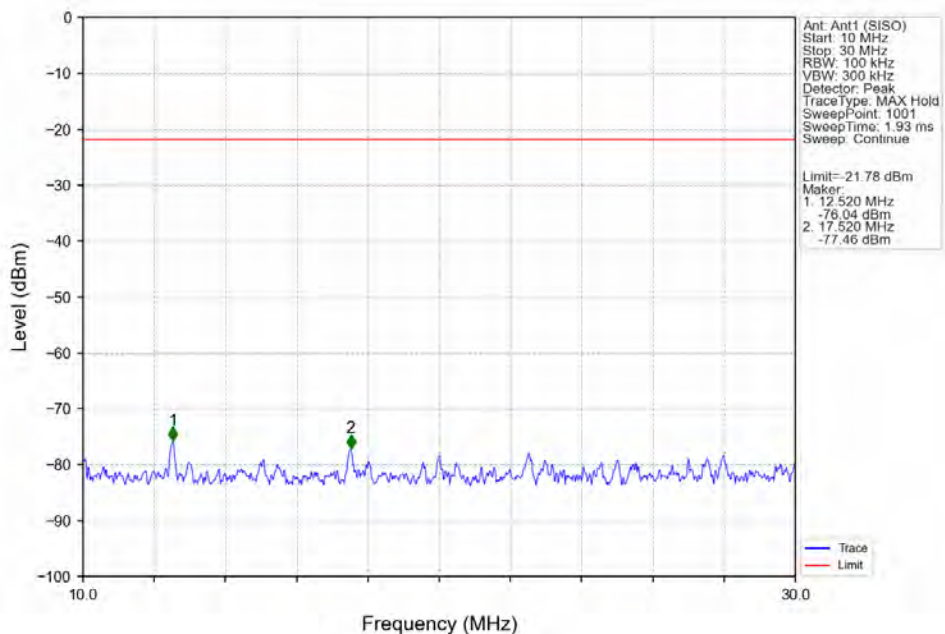
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



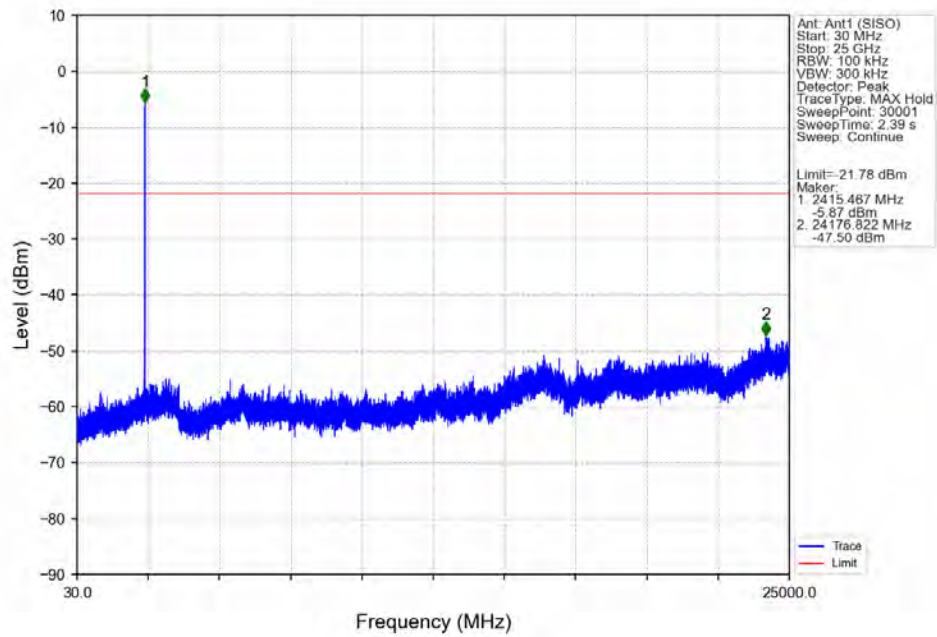
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



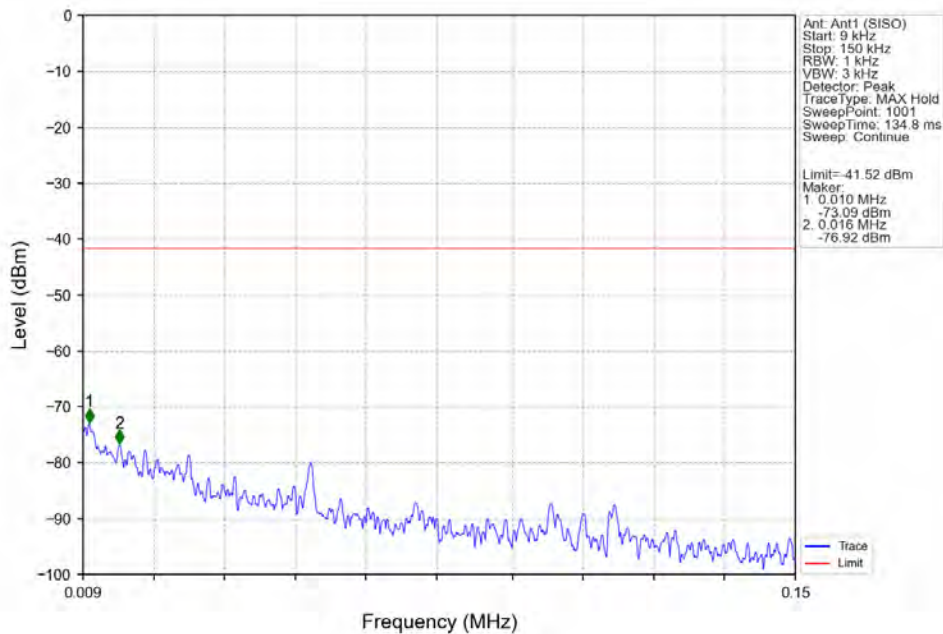
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



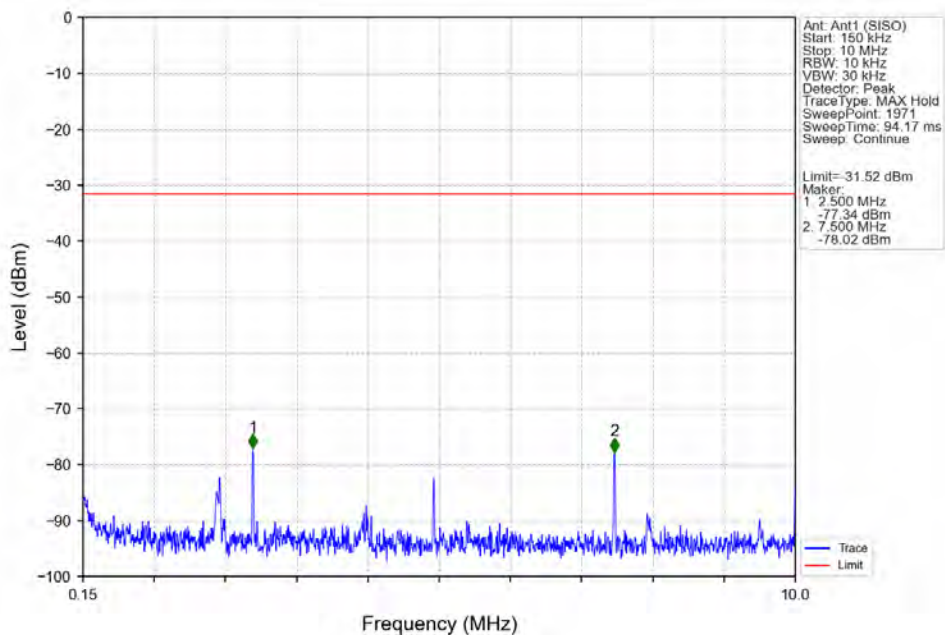
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



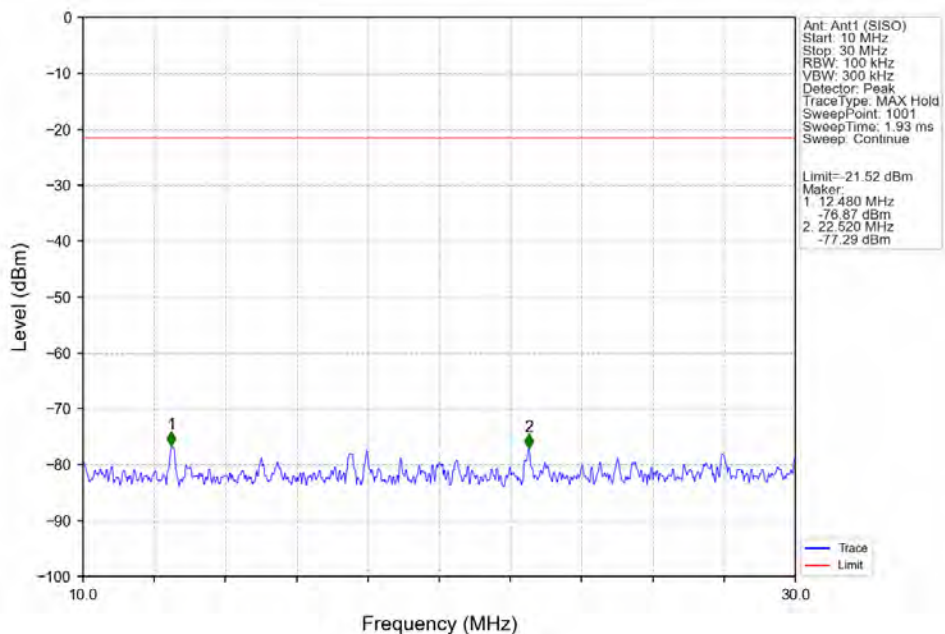
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO)_NTNV



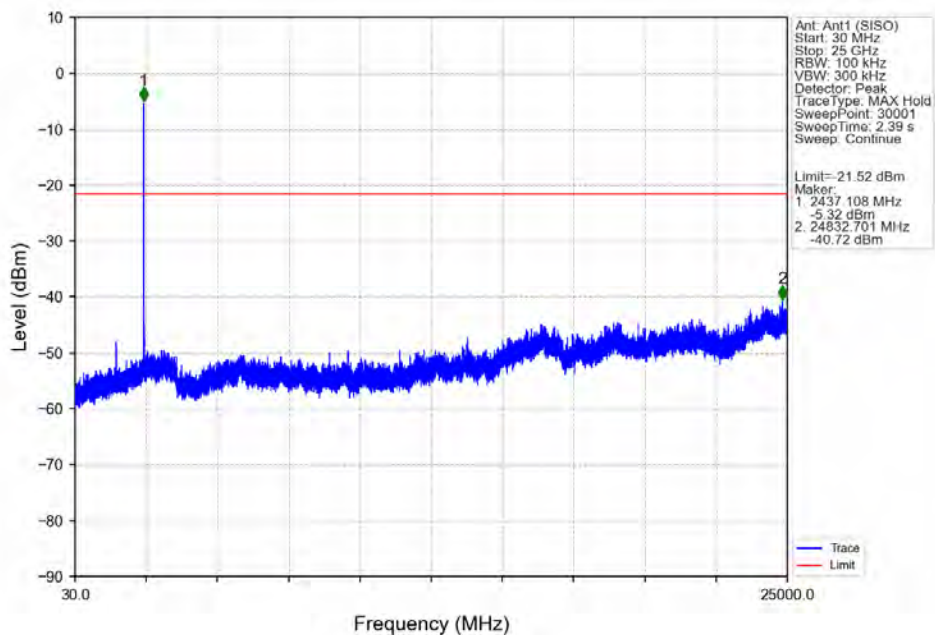
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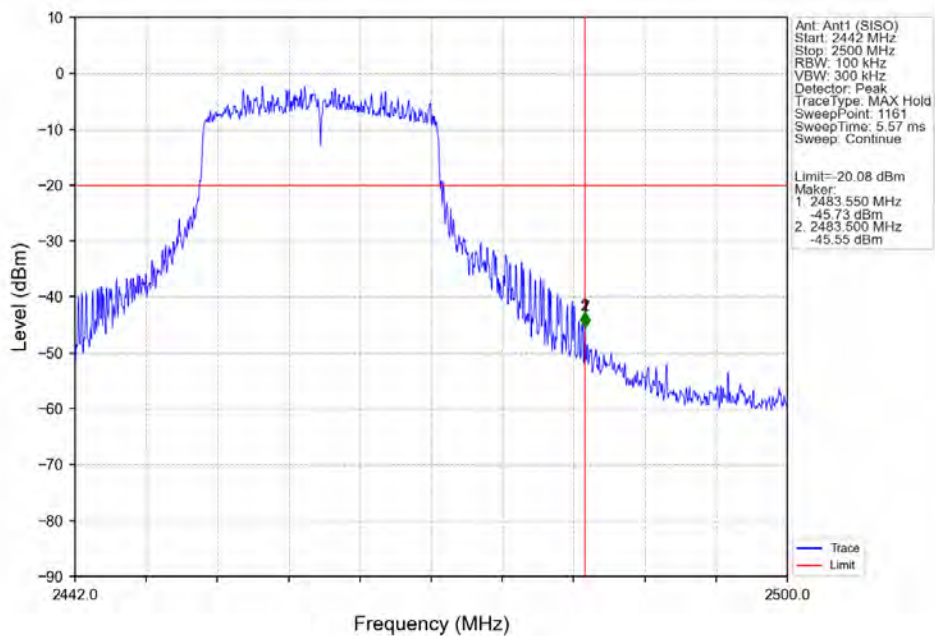
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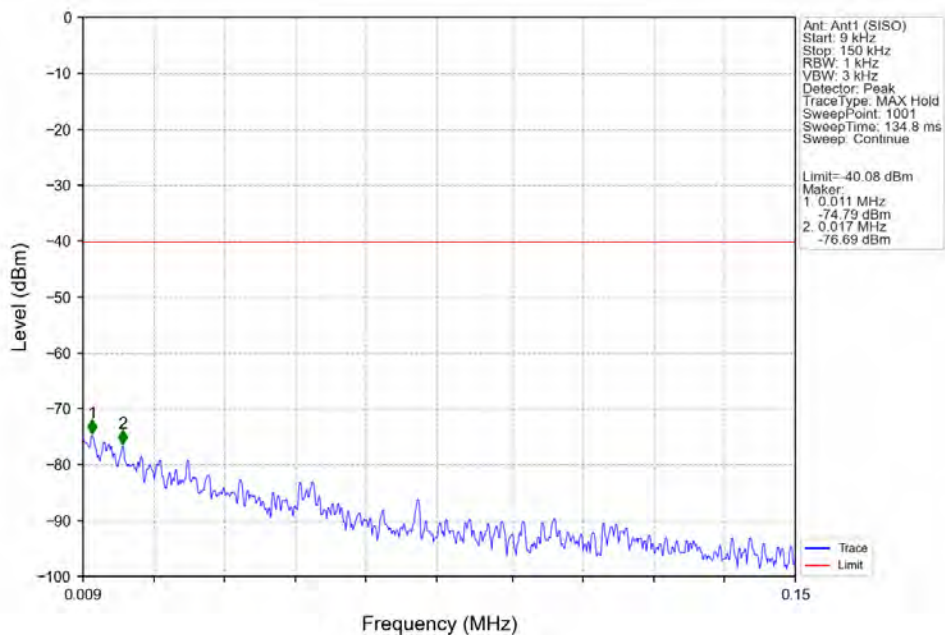
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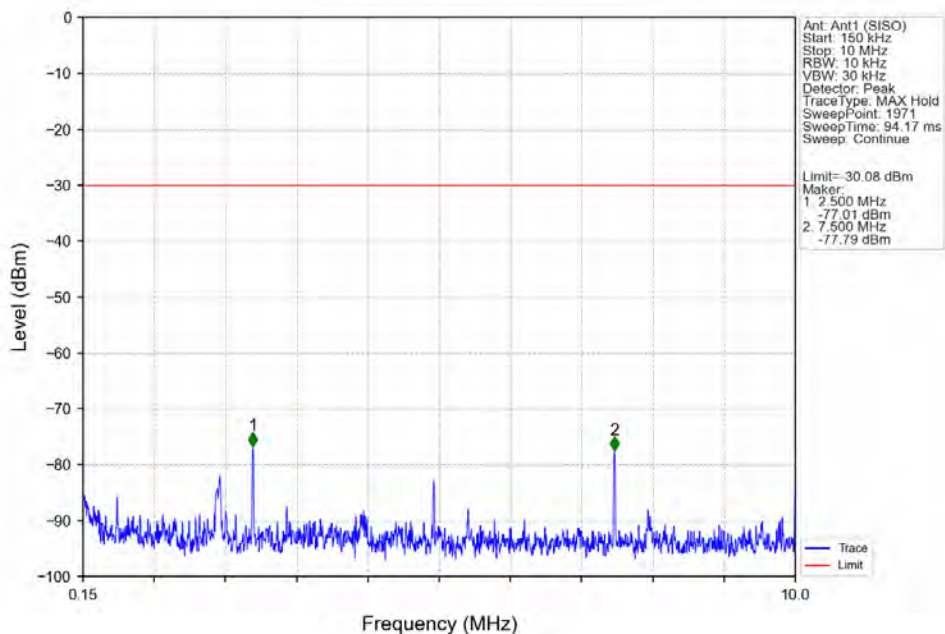
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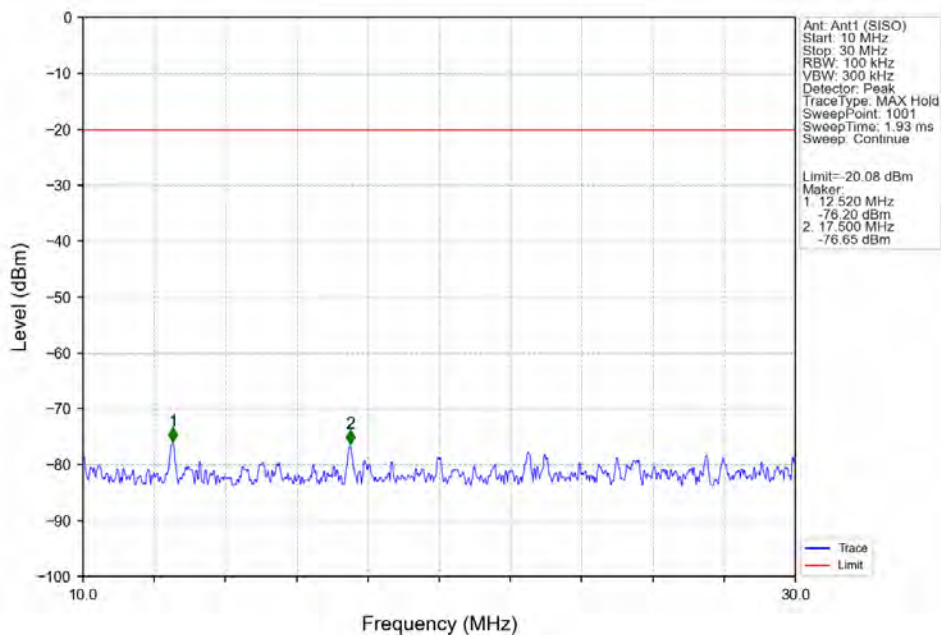
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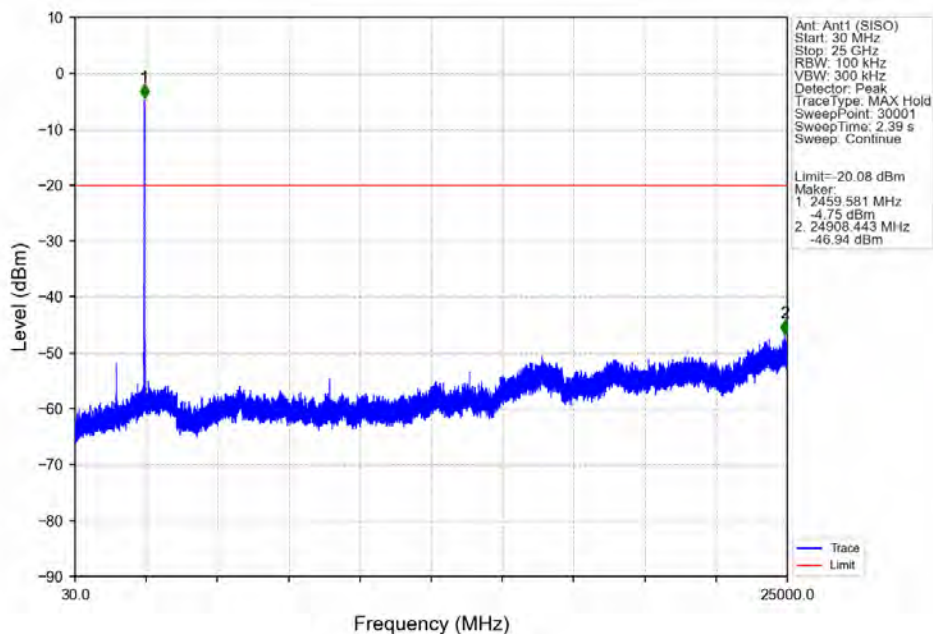
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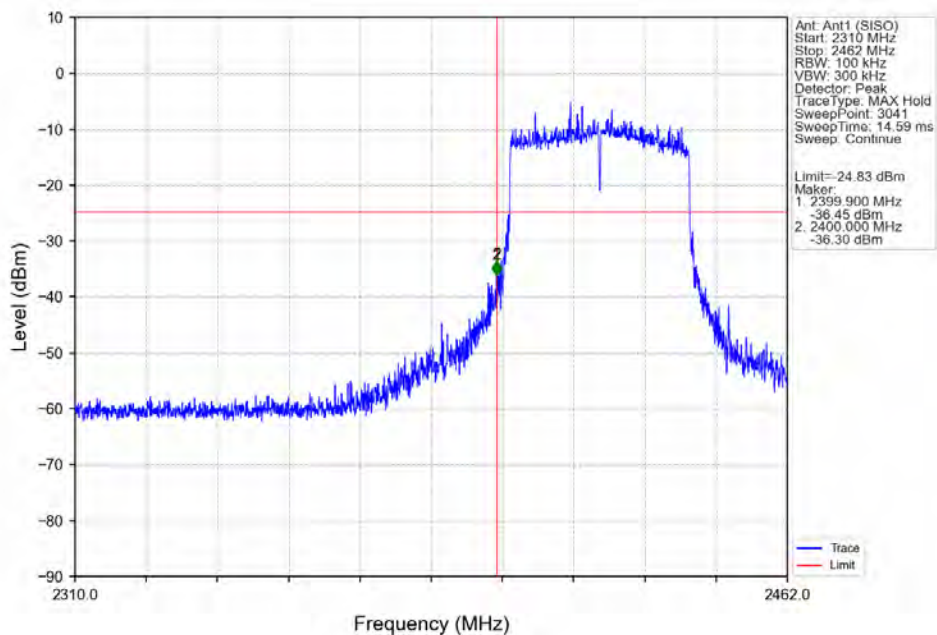
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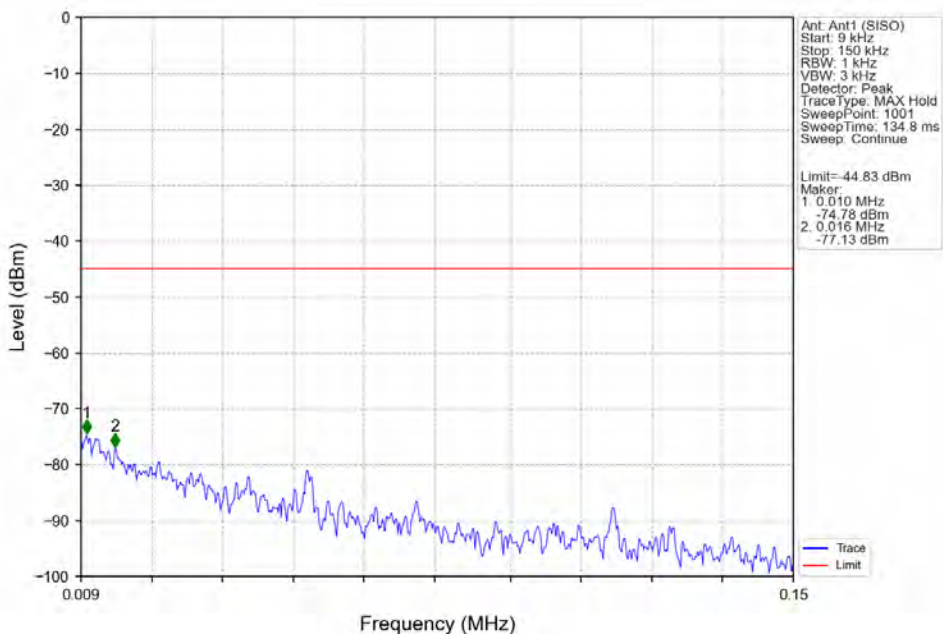
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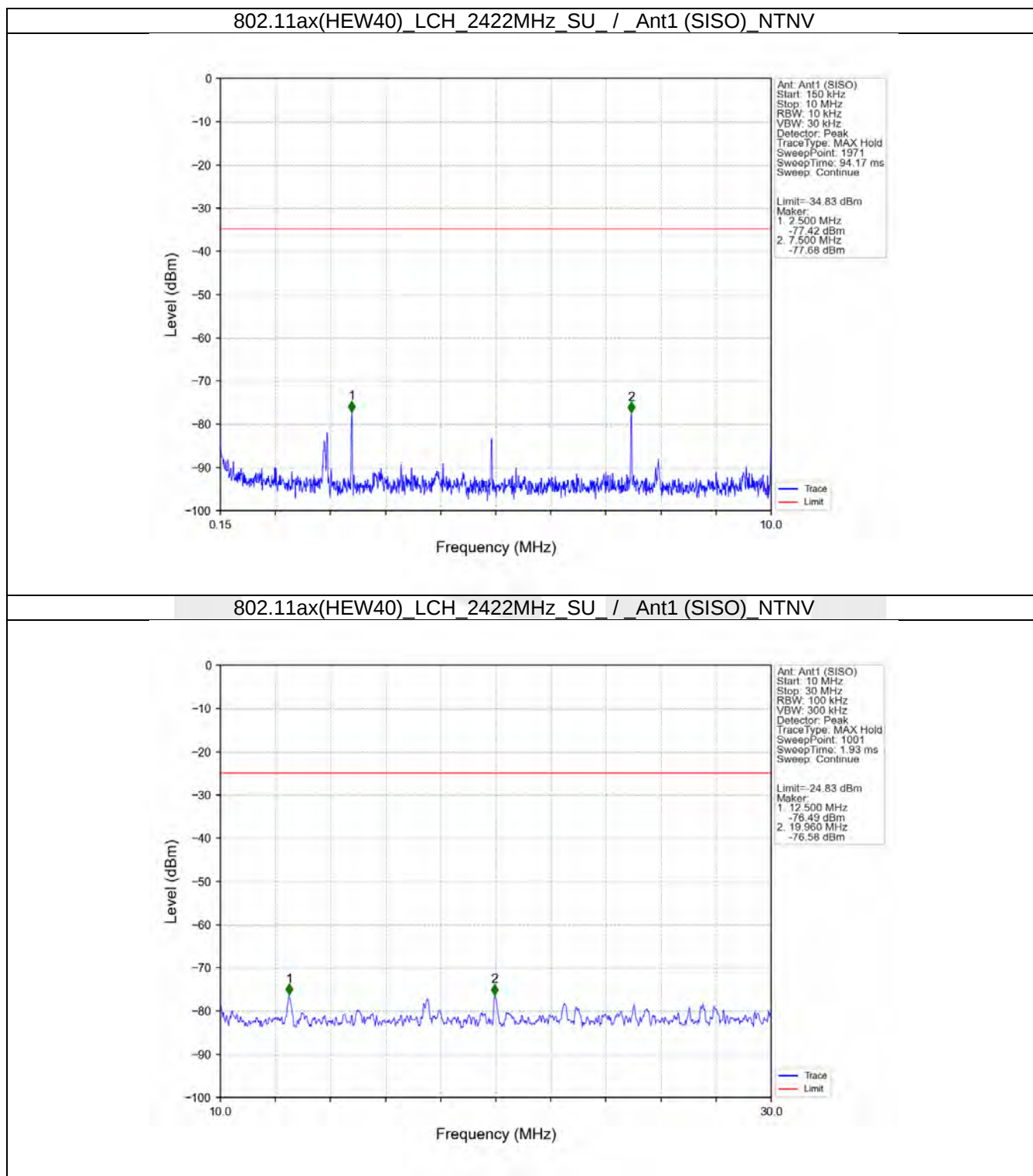


802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV

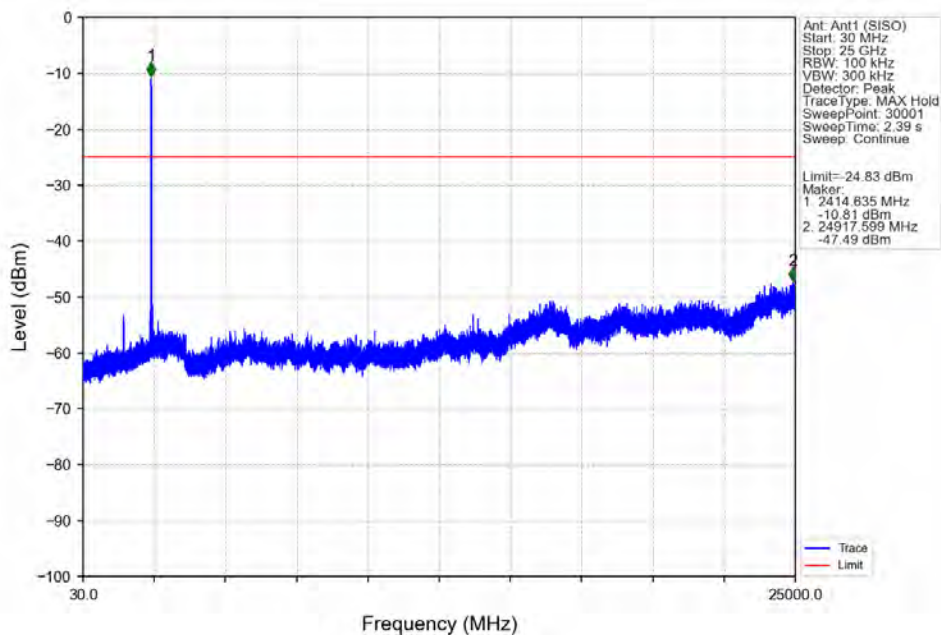


802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV

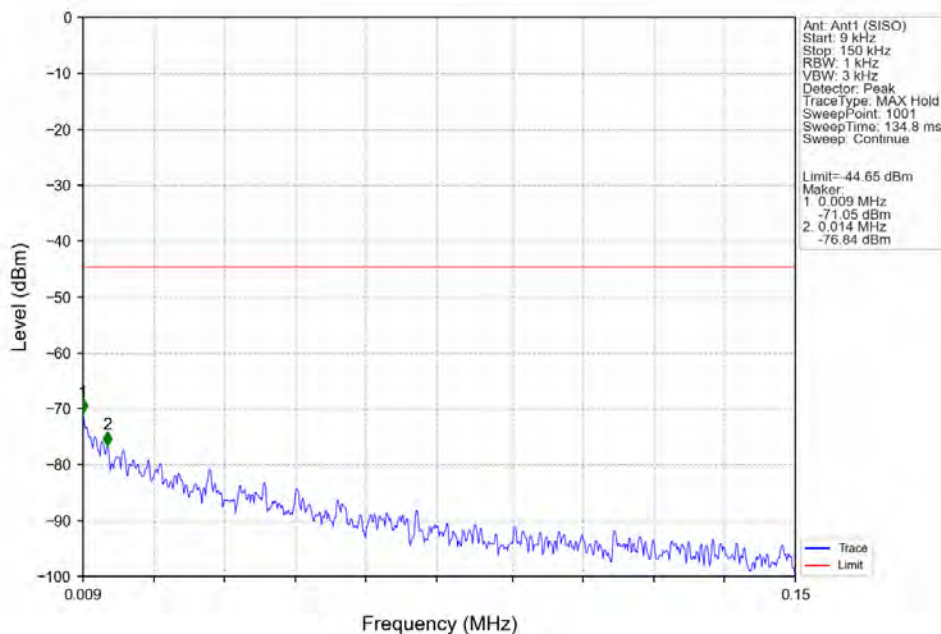




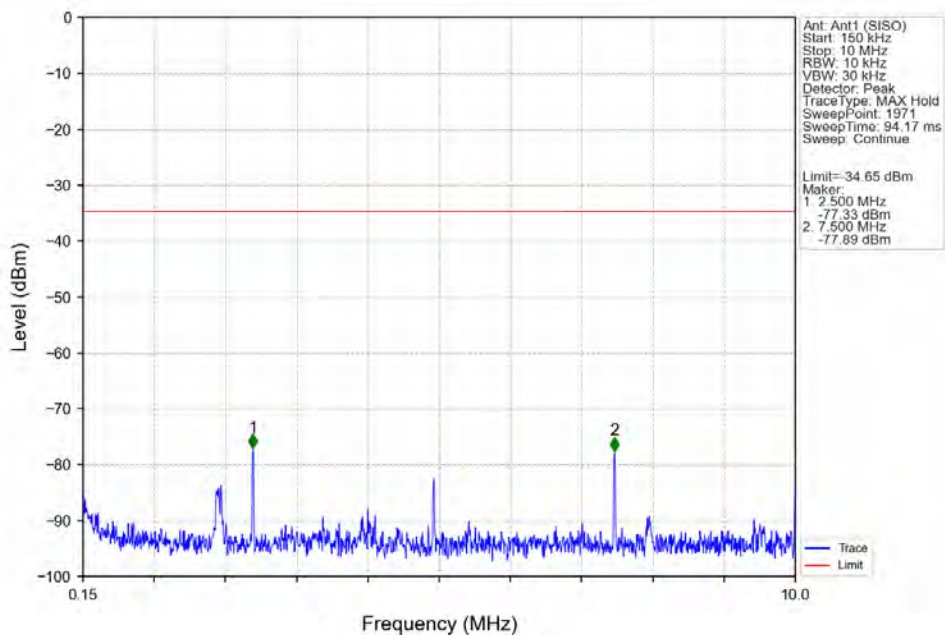
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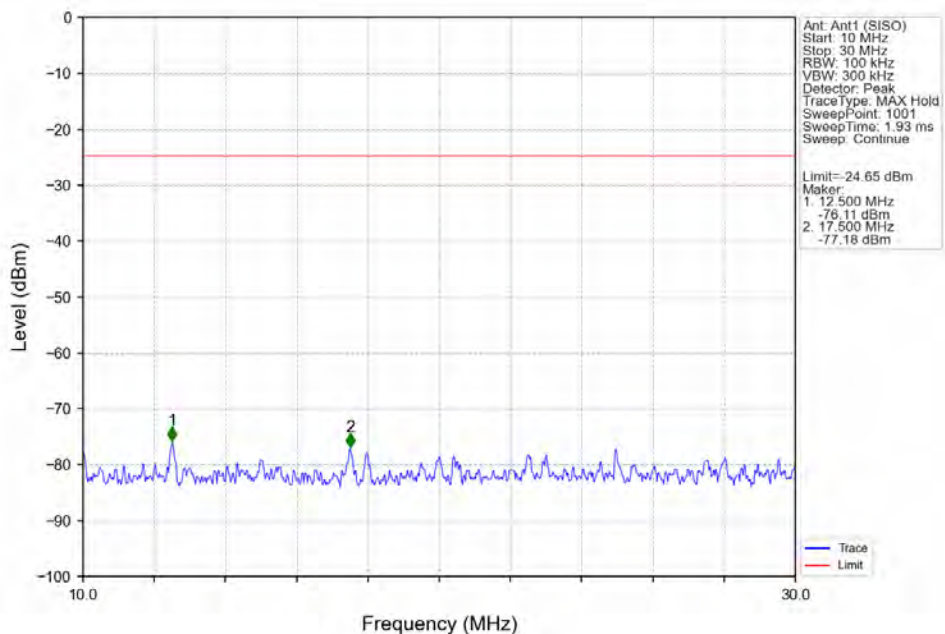
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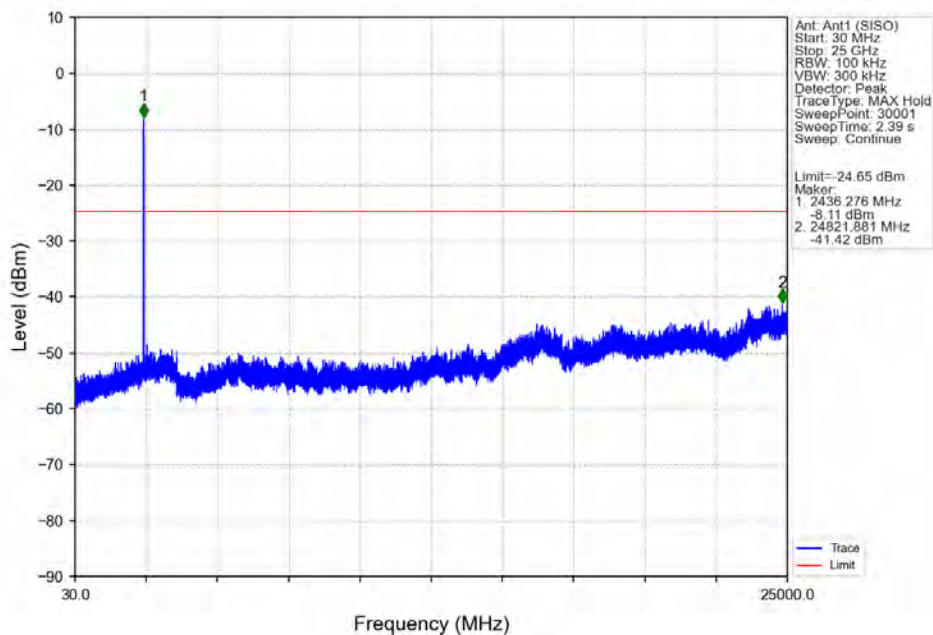
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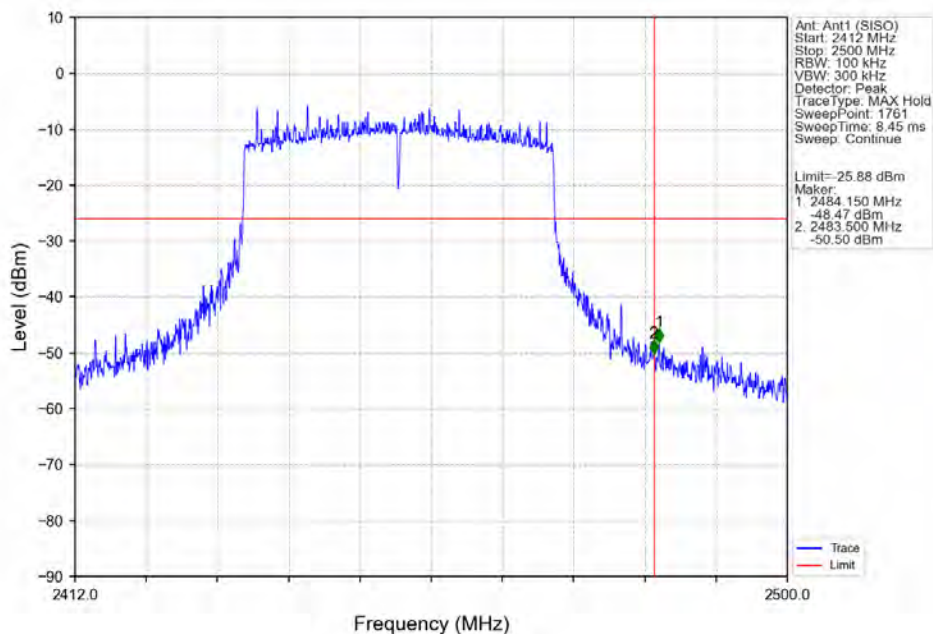
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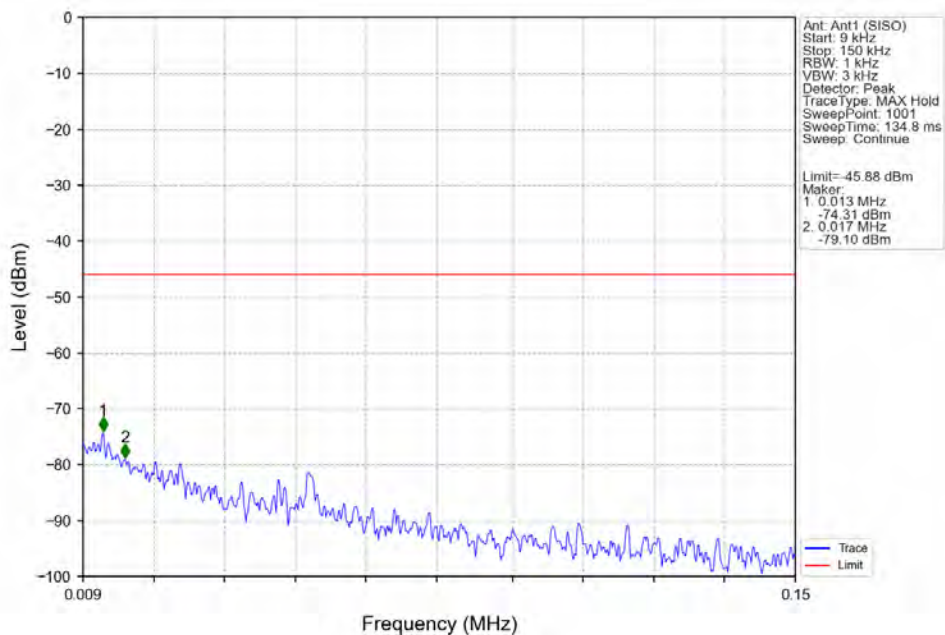
802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



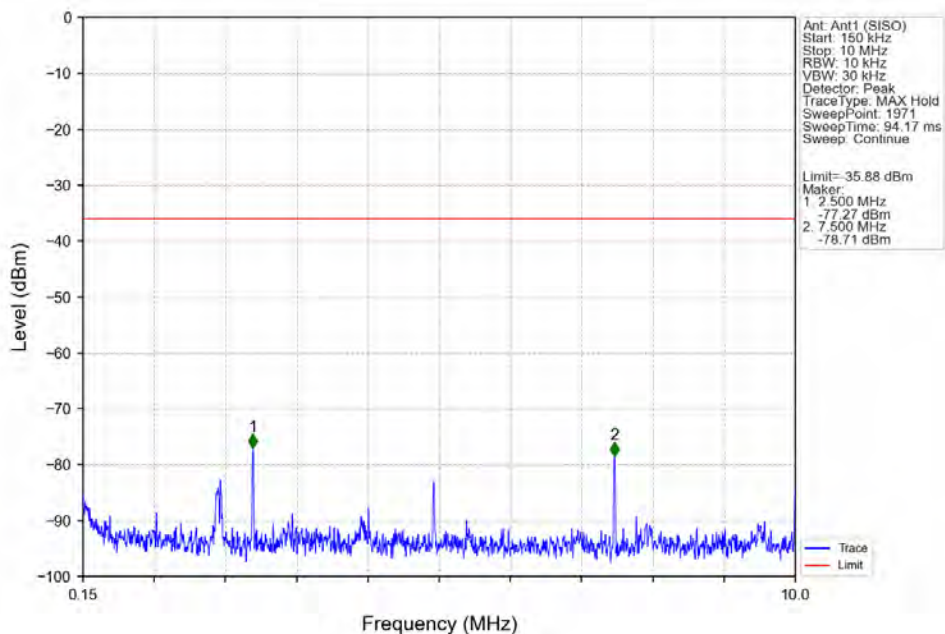
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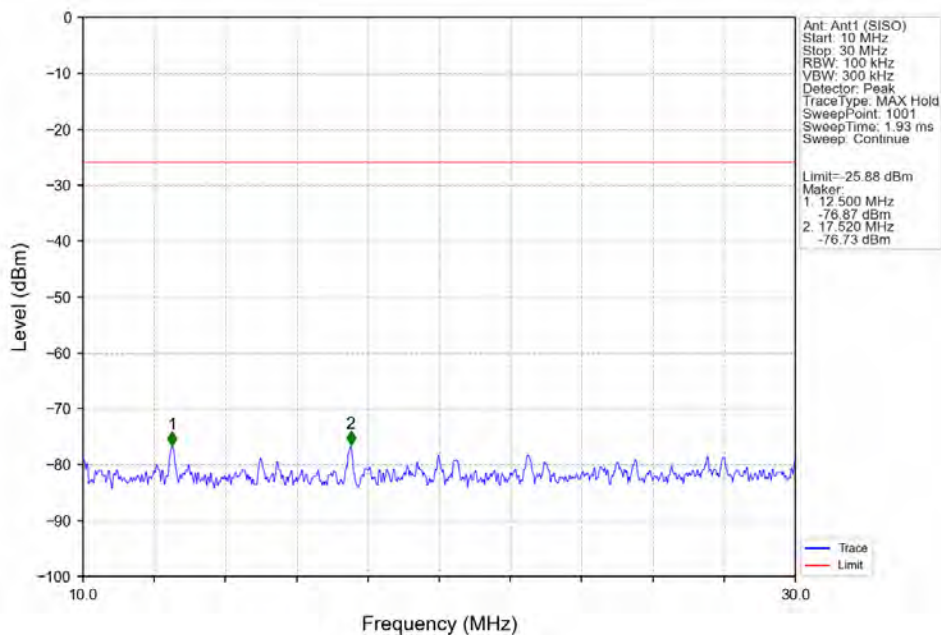
802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant1 (SISO)_NTNV



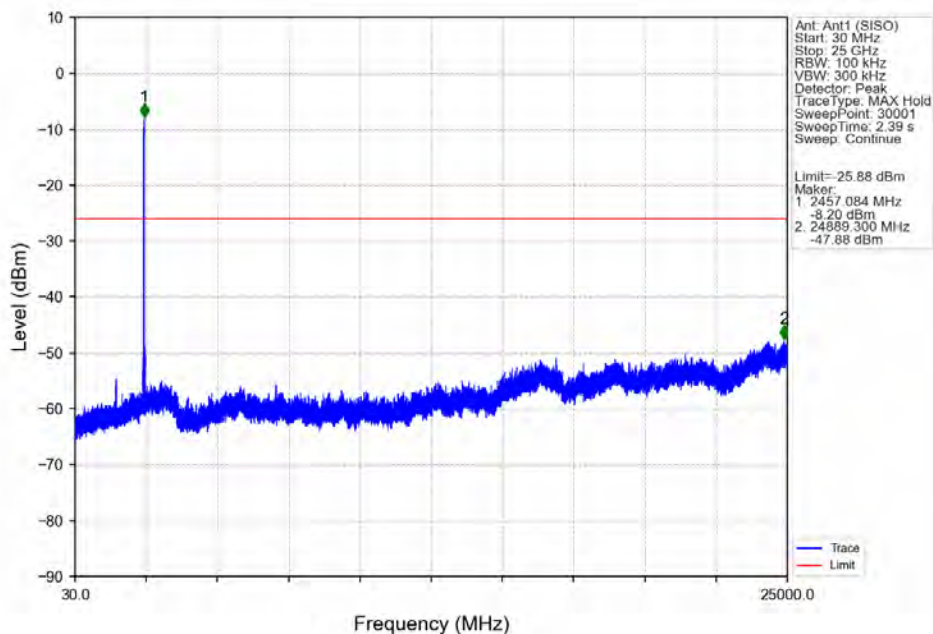
802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU_ / _Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU_ / _Ant1 (SISO)_NTNV



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