

ANNEX 1 TEST DATA

FCC ID:2BROI-D90

Applicant: SHENZHEN DELANDA TECHNOLOGY CO., LTD.

Address: Room 402, Building B25, Hengfeng Industrial City, No. 739 Zhoushi Road, Hezhou Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Manufacturer: SHENZHEN DELANDA TECHNOLOGY CO., LTD.

Address: Room 402, Building B25, Hengfeng Industrial City, No. 739 Zhoushi Road, Hezhou Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Product Name: Digital Camera

Trade Mark: N/A

Model Number: D90

Date of Receipt: Jul. 22, 2025

Test Date: Jul. 22, 2025 - Aug. 08, 2025

Date of Report: Aug. 08, 2025

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2013

Test Result: Pass

1. Duty Cycle

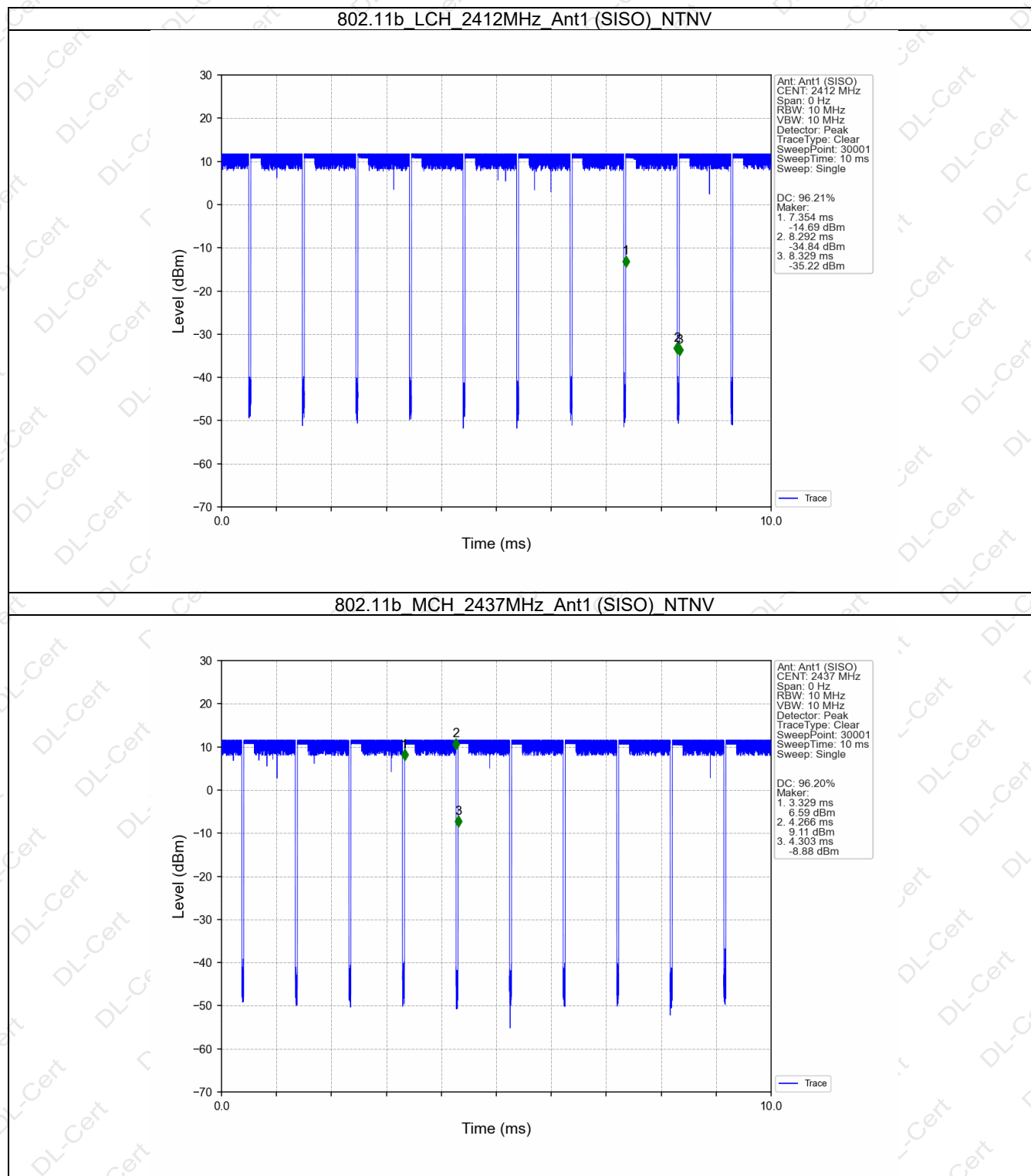
1.1 Test Result

1.1.1 Ant1

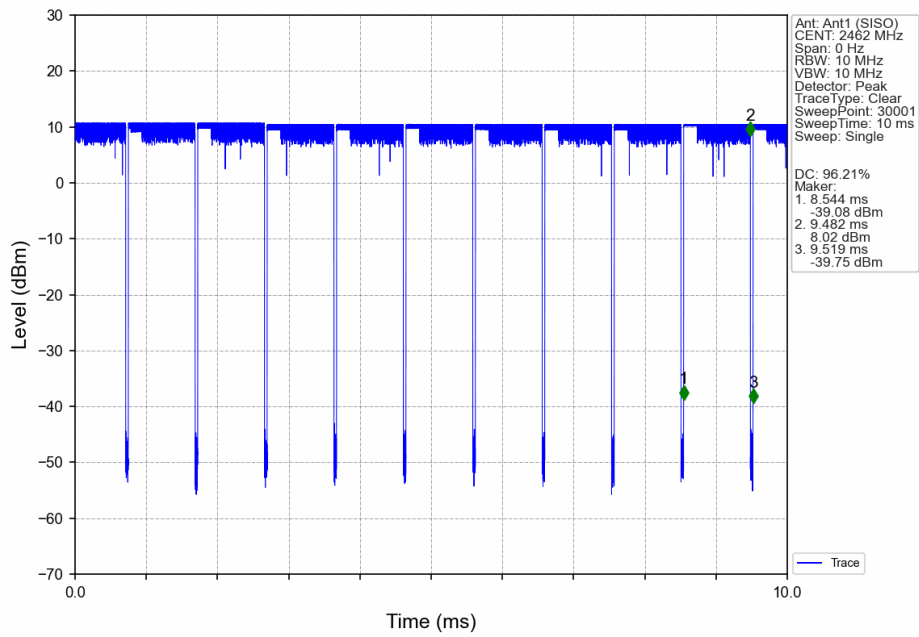
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	0.938	0.975	96.21	0.17	0.07
		2437	0.937	0.974	96.20	0.17	0.04
		2462	0.938	0.975	96.21	0.17	0.10
802.11g	SISO	2412	0.176	0.221	79.64	0.99	0.08
		2437	0.176	0.220	80.00	0.97	0.15
		2462	0.176	0.221	79.64	0.99	0.06
802.11n (HT20)	SISO	2412	0.164	0.208	78.85	1.03	0.06
		2437	0.164	0.208	78.85	1.03	0.06
		2462	0.164	0.209	78.47	1.05	0.06
802.11n (HT40)	SISO	2422	0.100	0.144	69.44	1.58	0.05
		2437	0.101	0.145	69.66	1.57	0.03
		2452	0.100	0.144	69.44	1.58	0.03

1.2 Test Graph

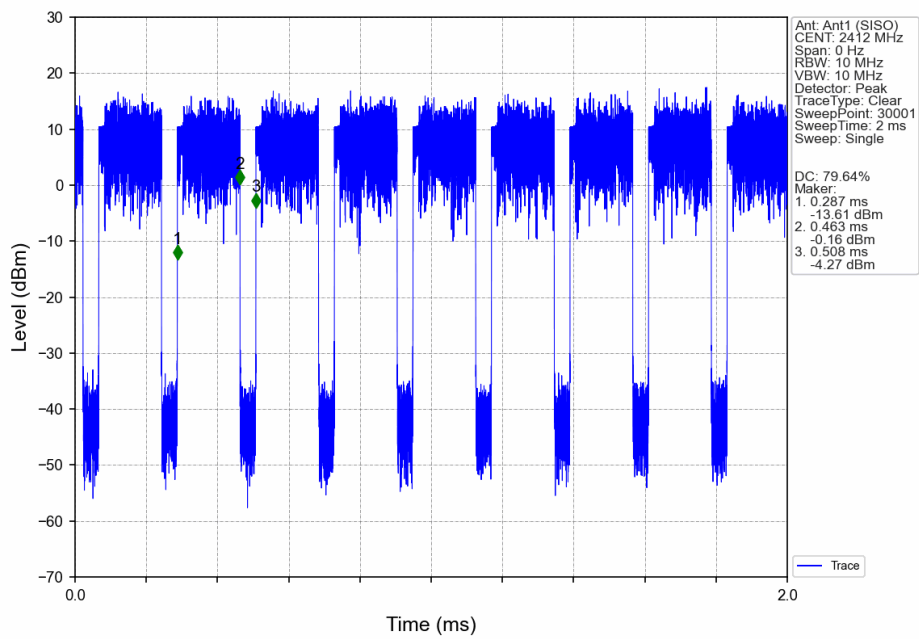
1.2.1 Ant1

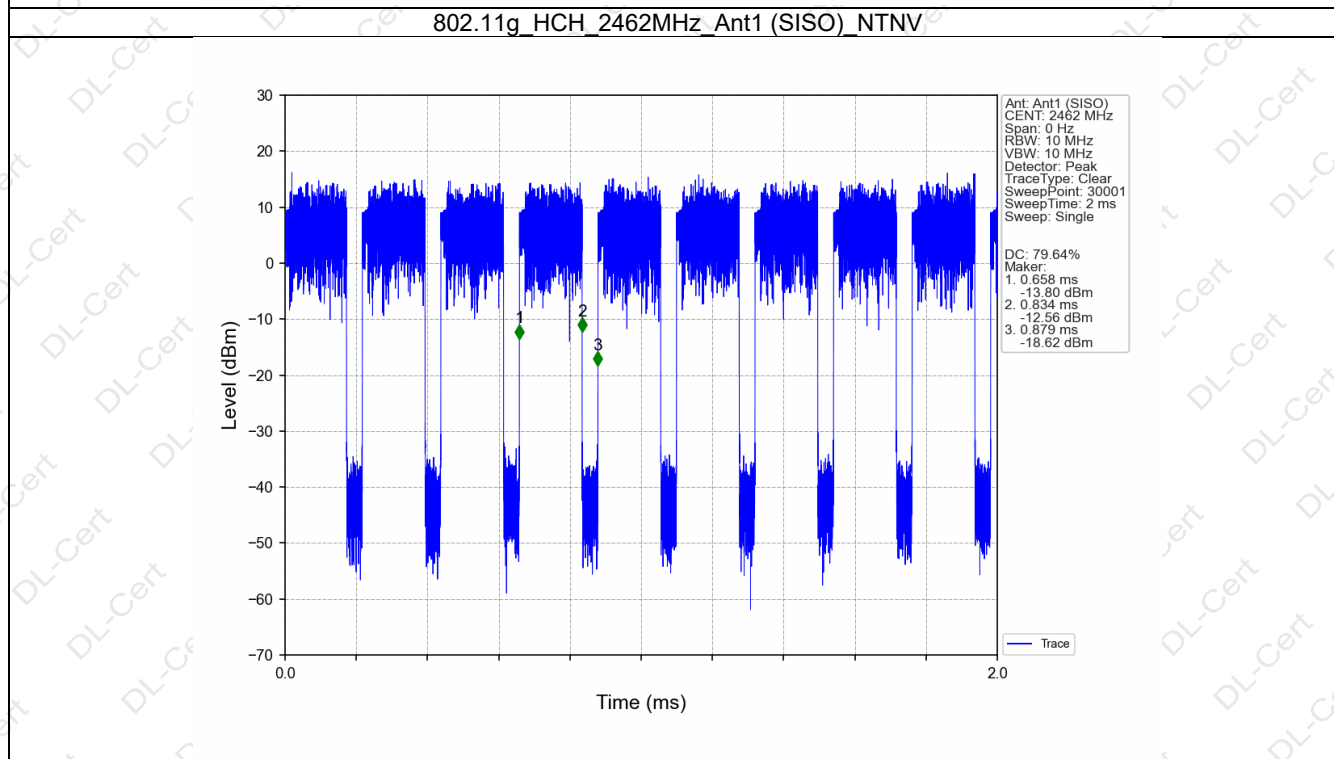
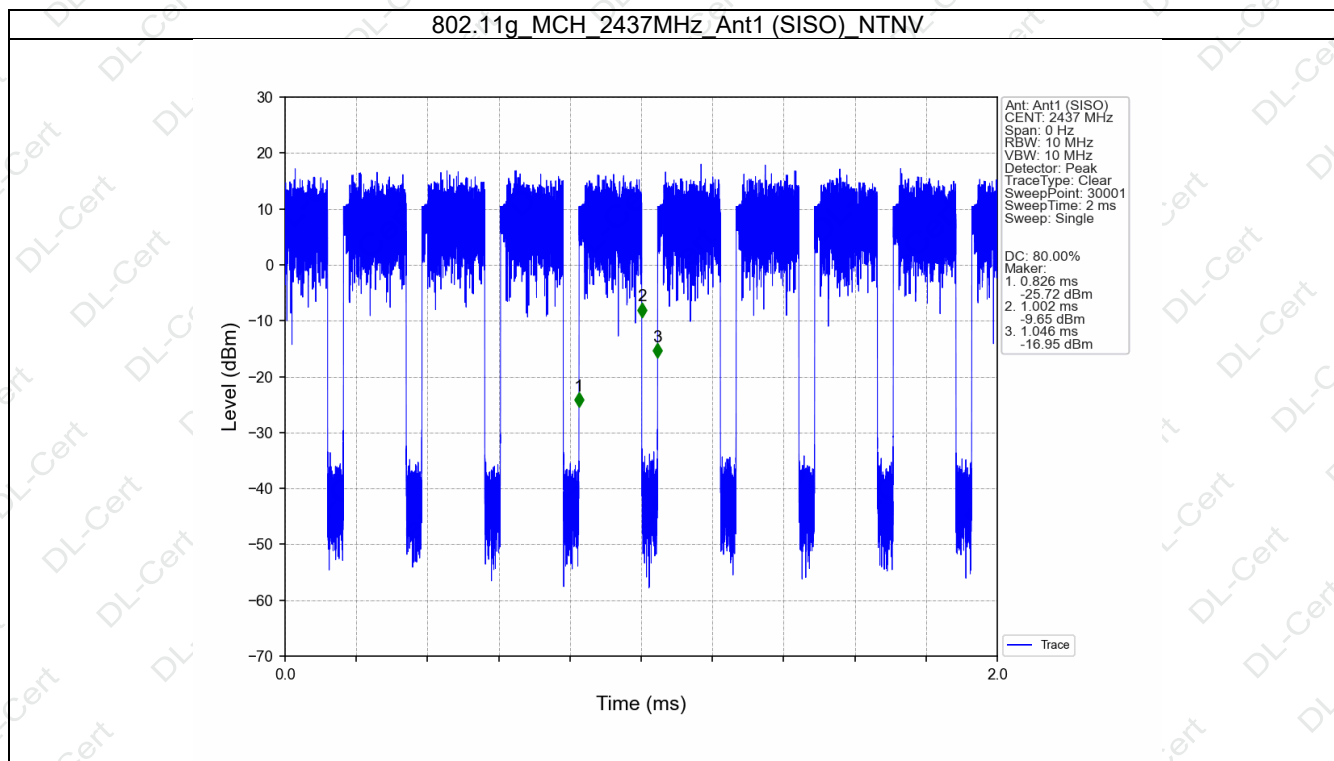


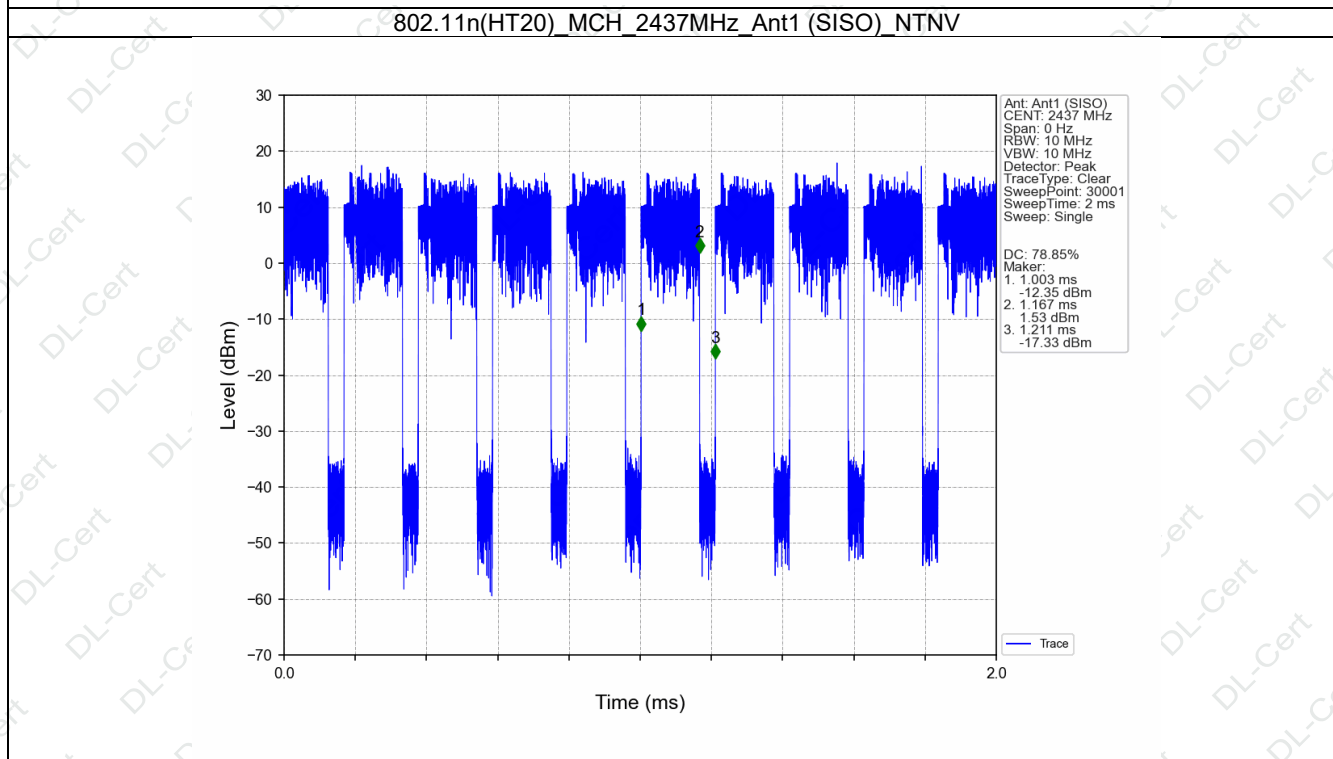
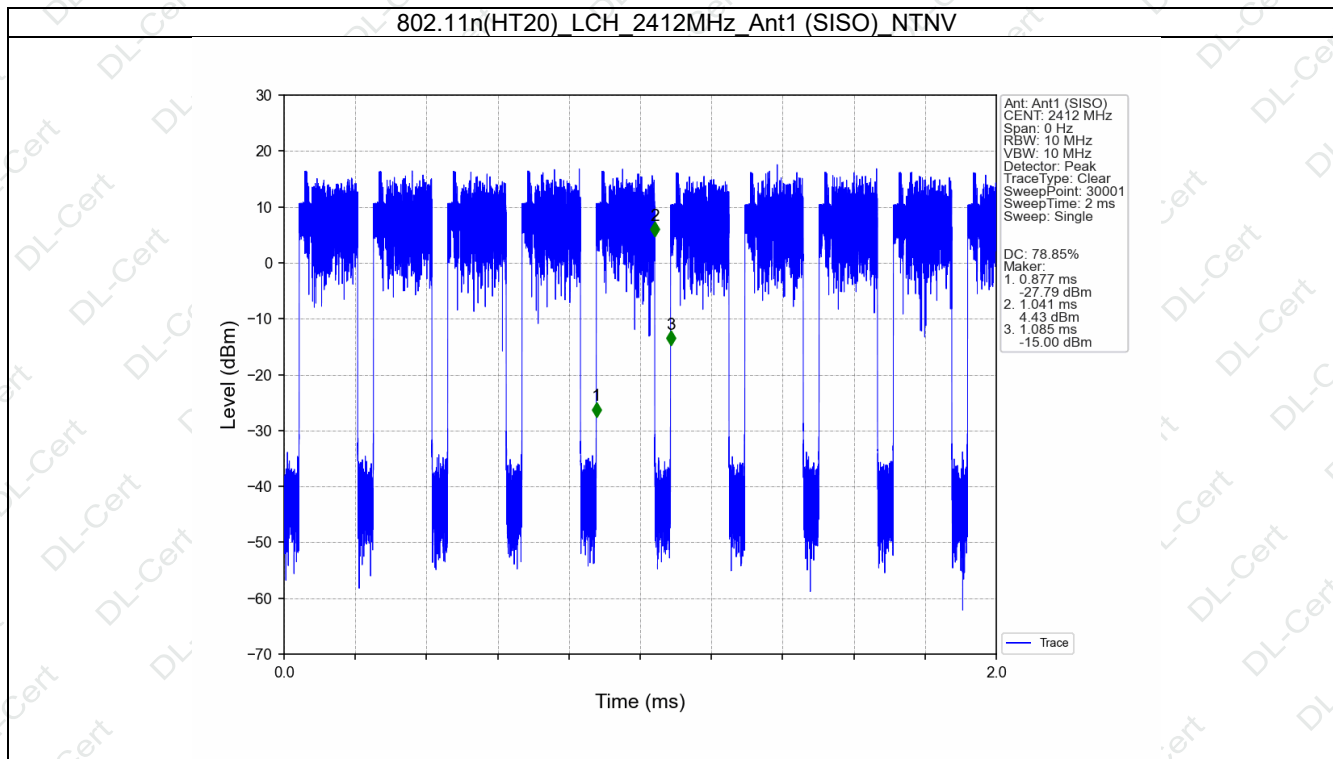
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



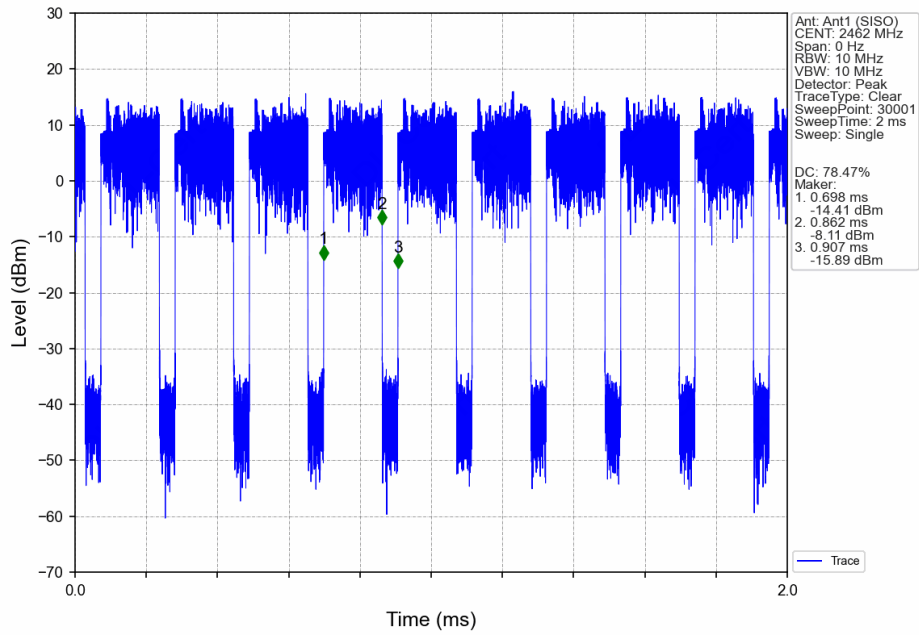
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



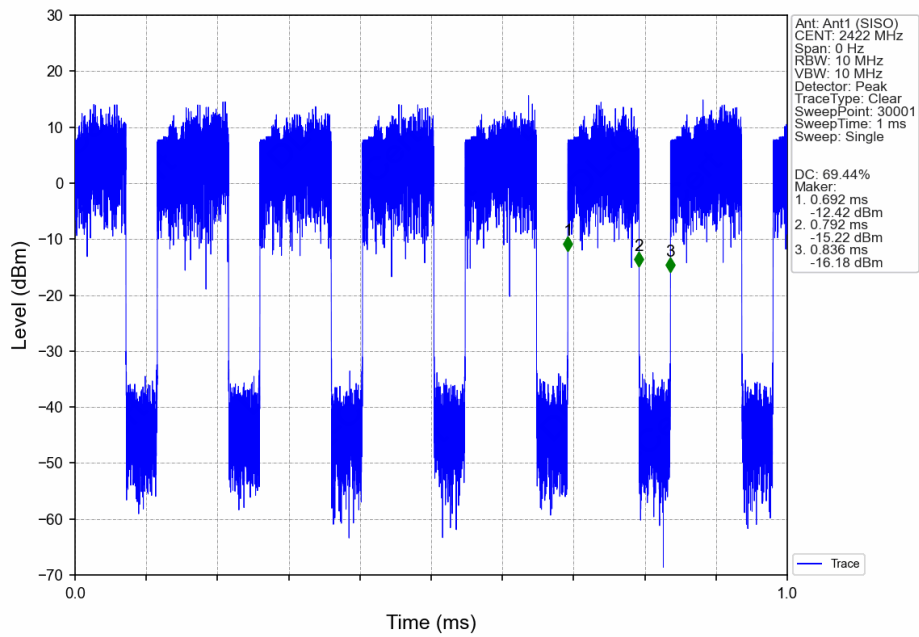




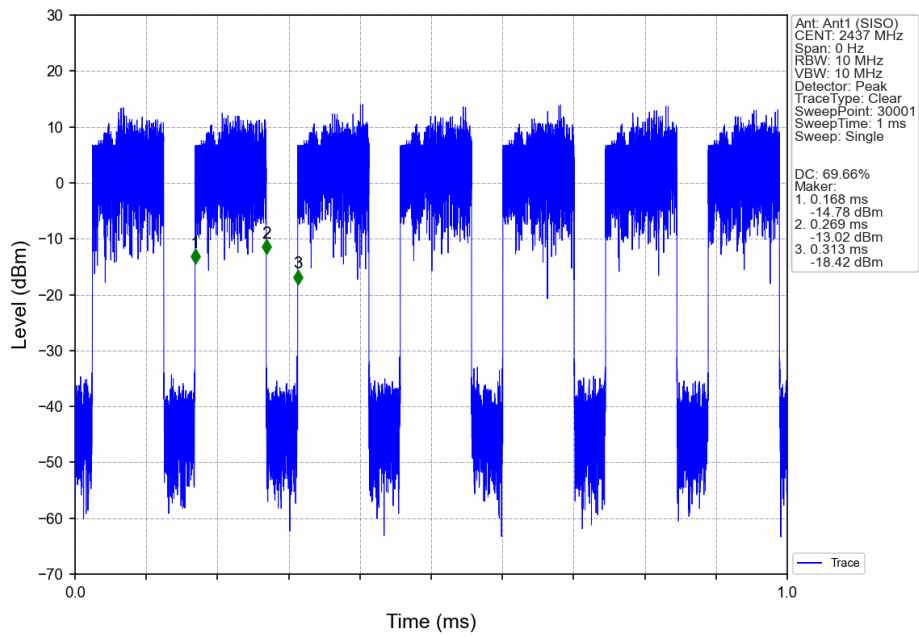
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



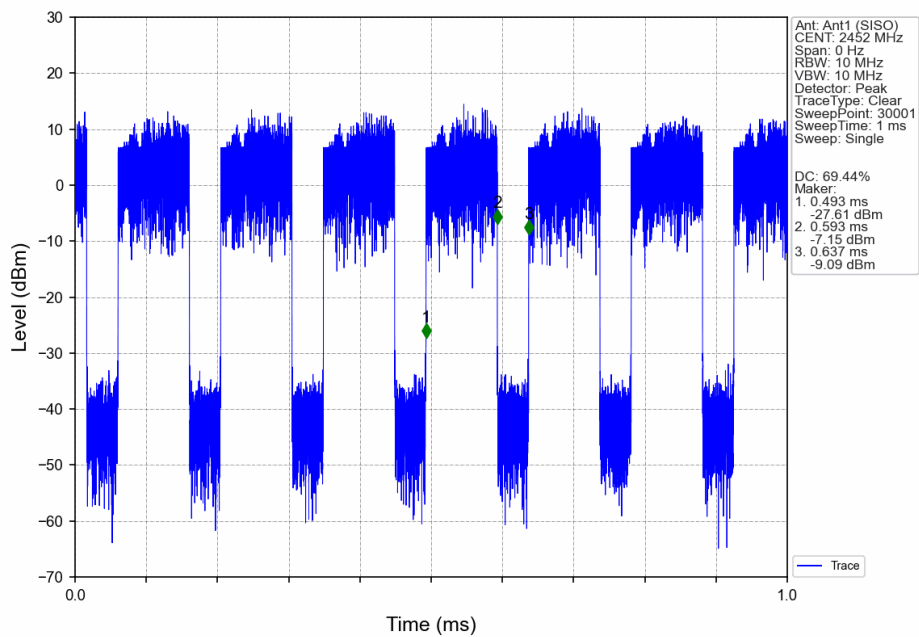
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

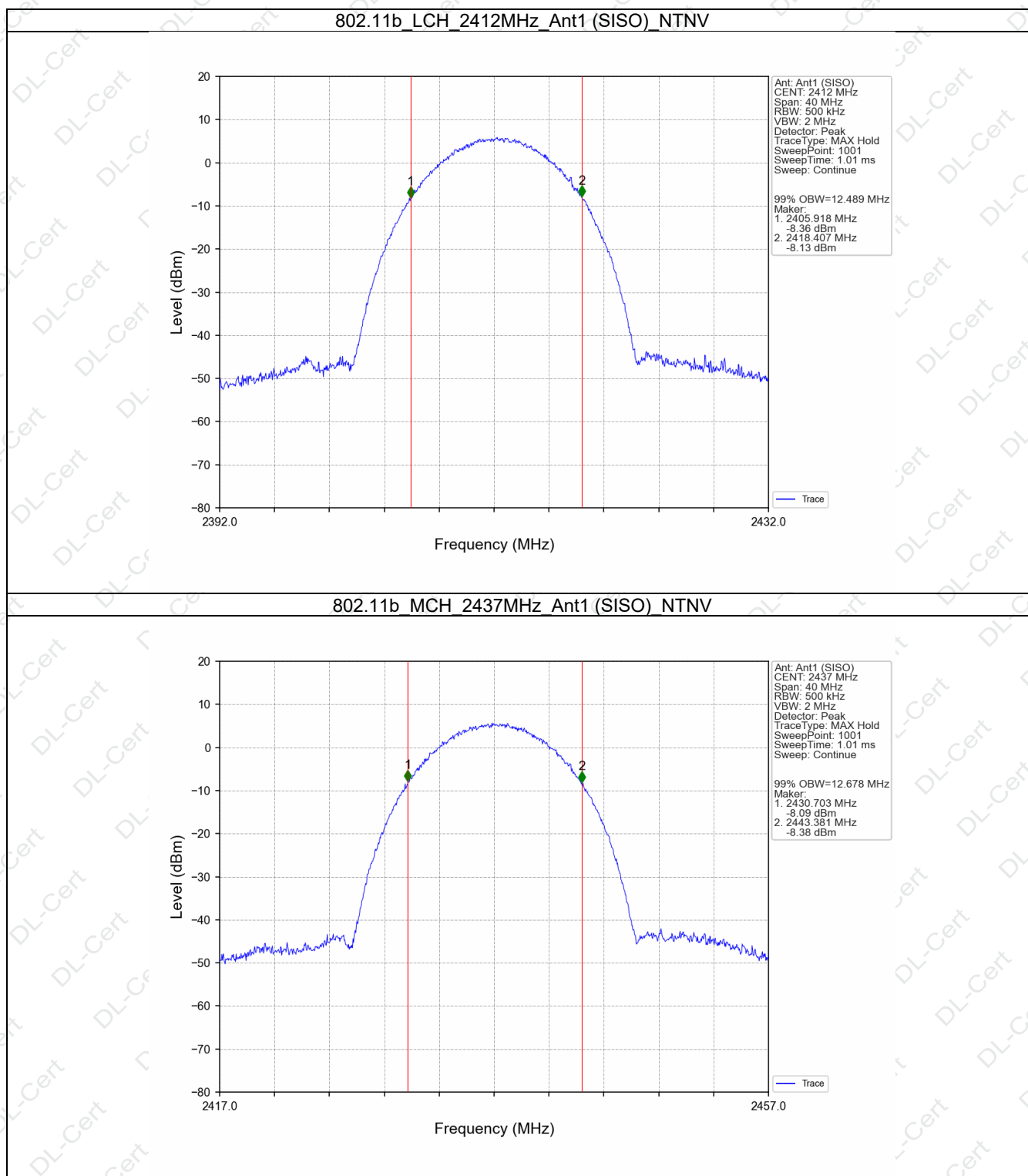
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	12.489	/	Pass
		2437	1	12.678	/	Pass
		2462	1	12.466	/	Pass
802.11g	SISO	2412	1	16.774	/	Pass
		2437	1	16.958	/	Pass
		2462	1	16.814	/	Pass
802.11n (HT20)	SISO	2412	1	17.800	/	Pass
		2437	1	17.929	/	Pass
		2462	1	17.916	/	Pass
802.11n (HT40)	SISO	2422	1	36.080	/	Pass
		2437	1	36.584	/	Pass
		2452	1	36.104	/	Pass

2.1.2 6dB BW

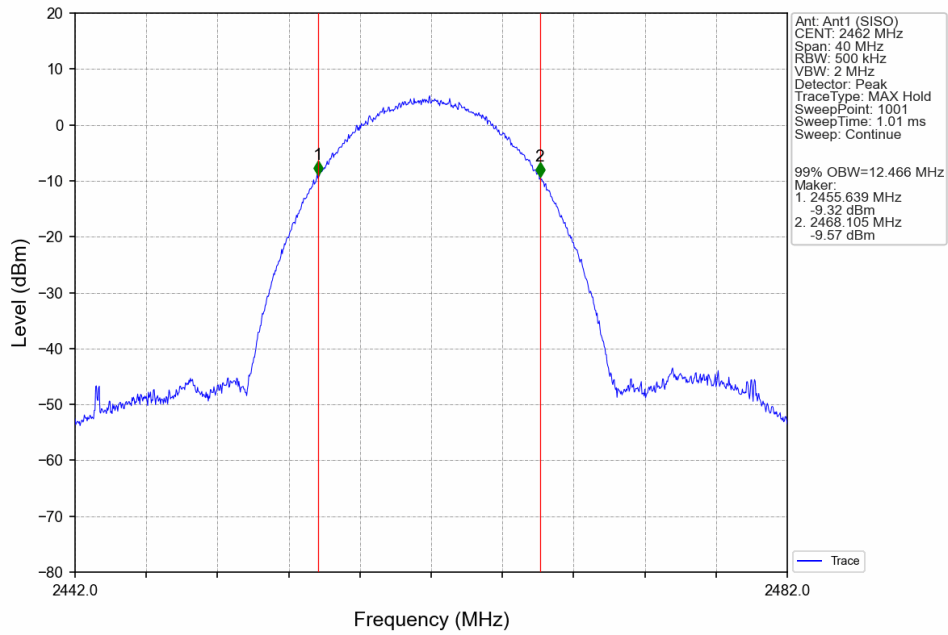
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	7.467	≥ 0.5	Pass
		2437	1	7.330	≥ 0.5	Pass
		2462	1	7.688	≥ 0.5	Pass
802.11g	SISO	2412	1	15.549	≥ 0.5	Pass
		2437	1	16.327	≥ 0.5	Pass
		2462	1	16.122	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.558	≥ 0.5	Pass
		2437	1	17.408	≥ 0.5	Pass
		2462	1	17.041	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	34.933	≥ 0.5	Pass
		2437	1	35.995	≥ 0.5	Pass
		2452	1	35.139	≥ 0.5	Pass

2.2 Test Graph

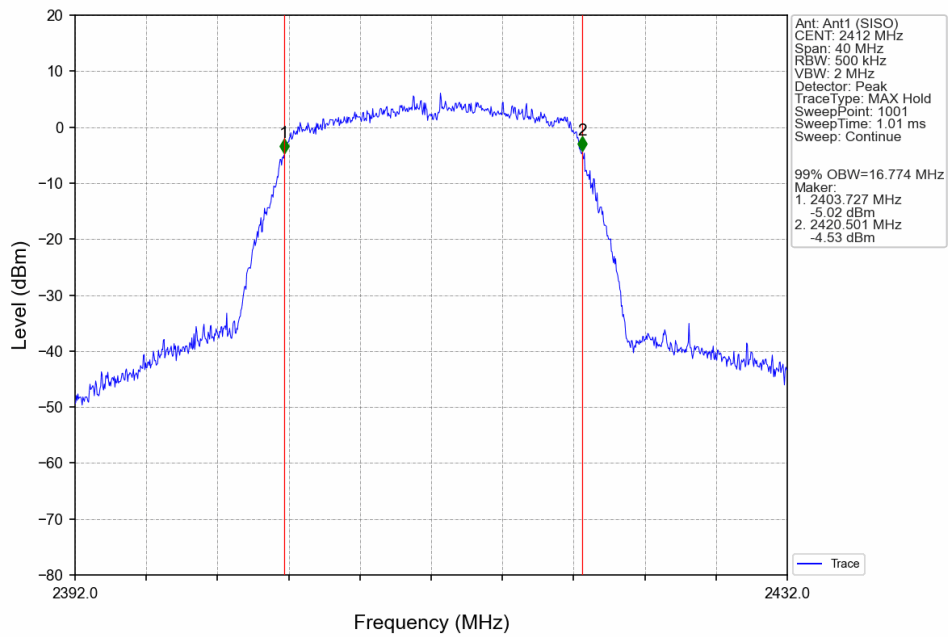
2.2.1 OBW

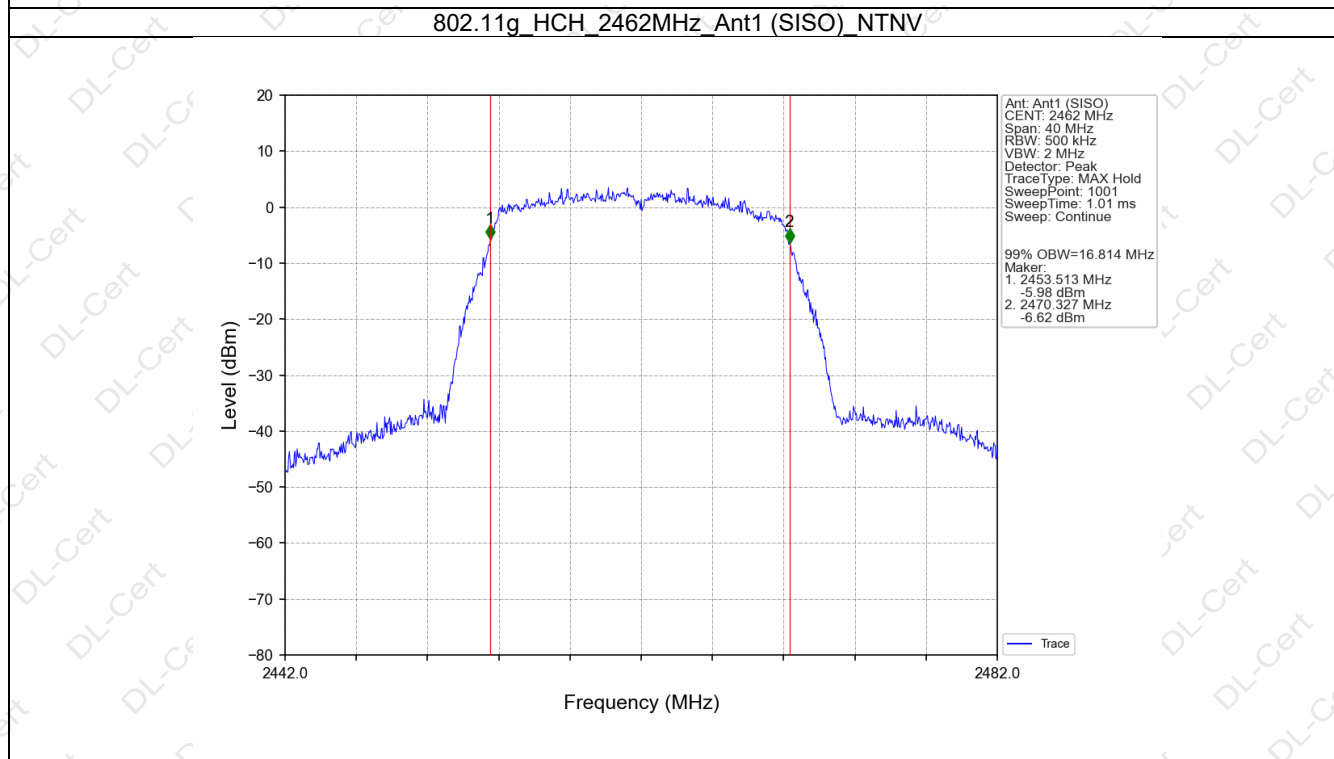
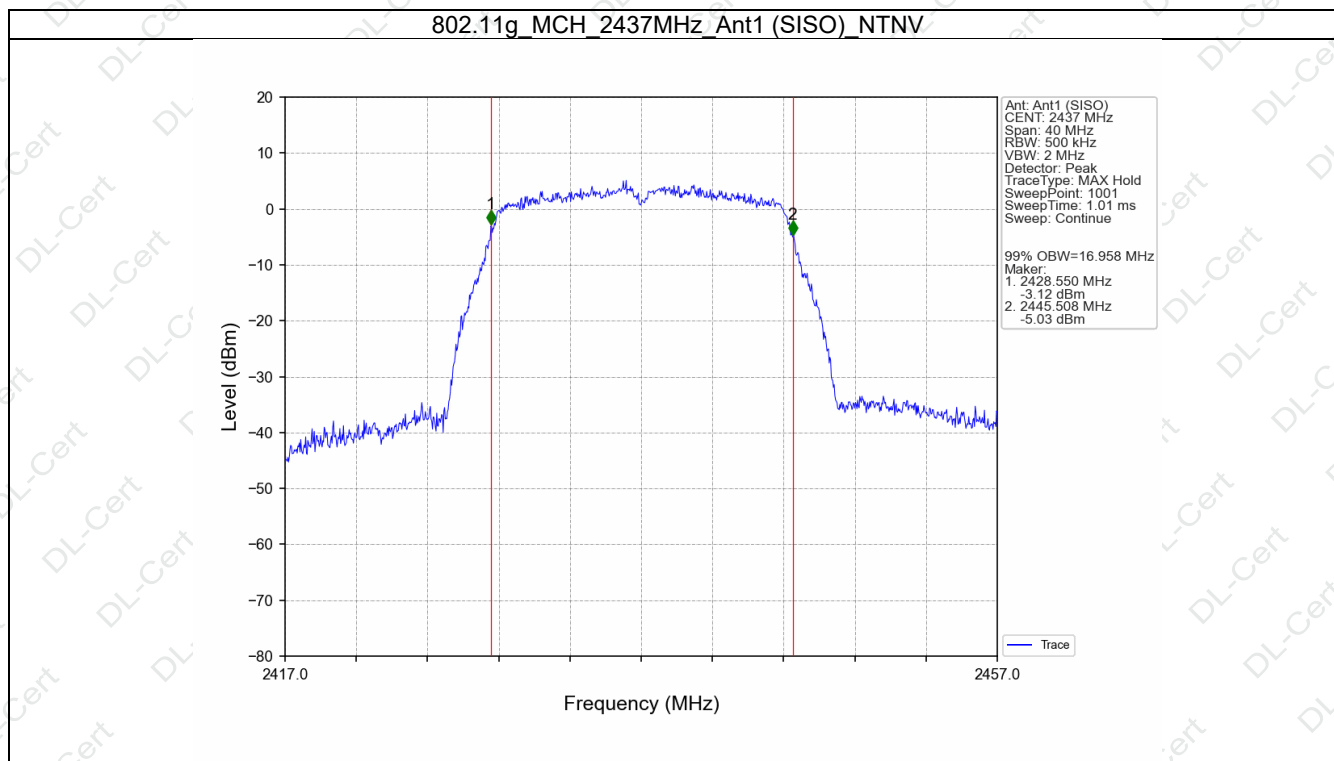


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

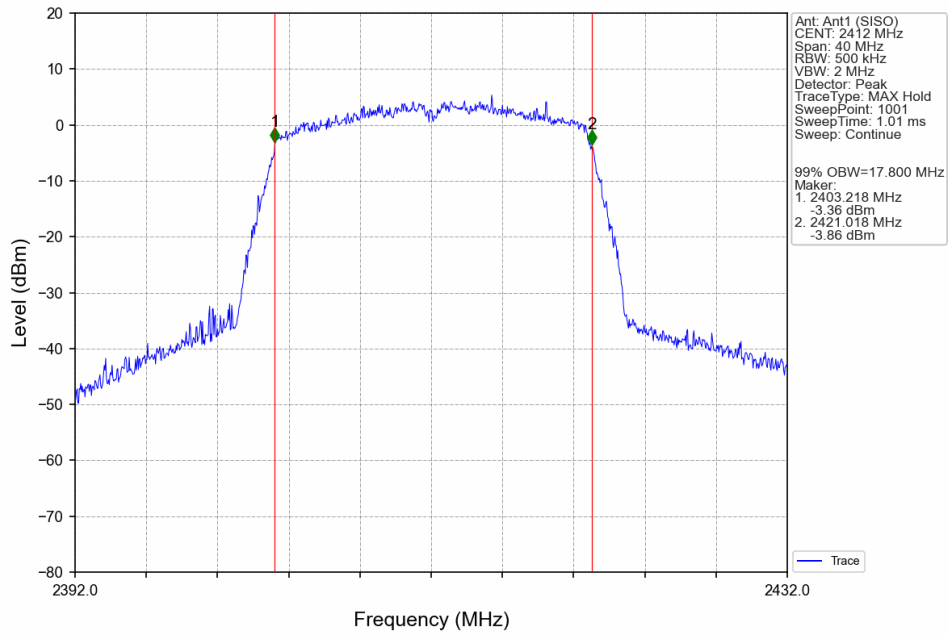


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

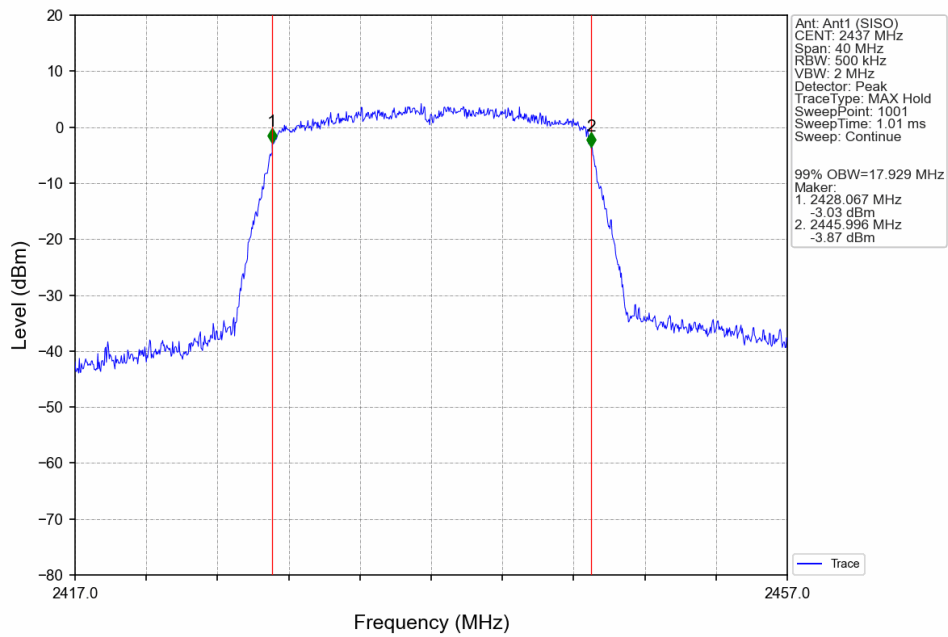




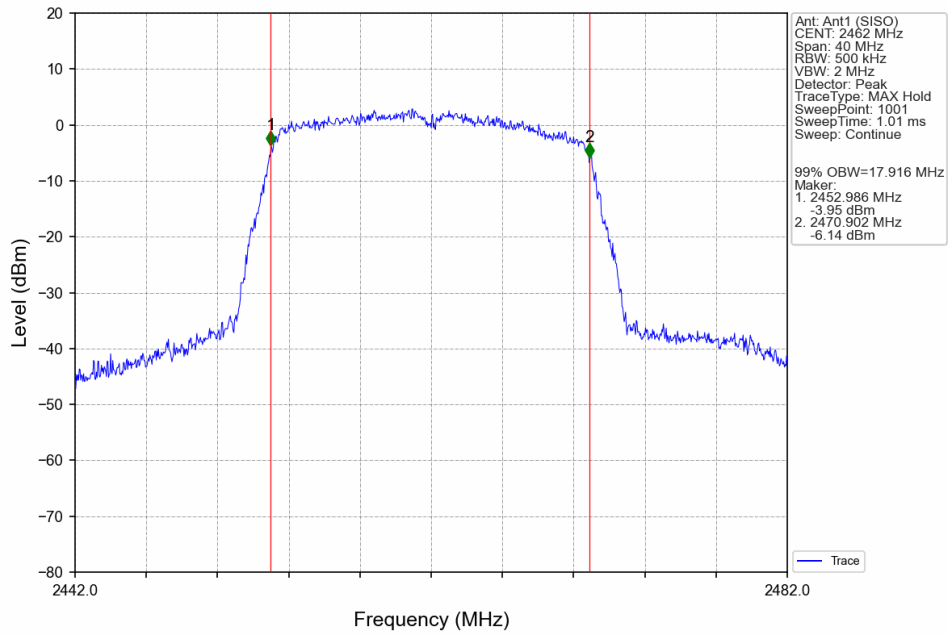
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



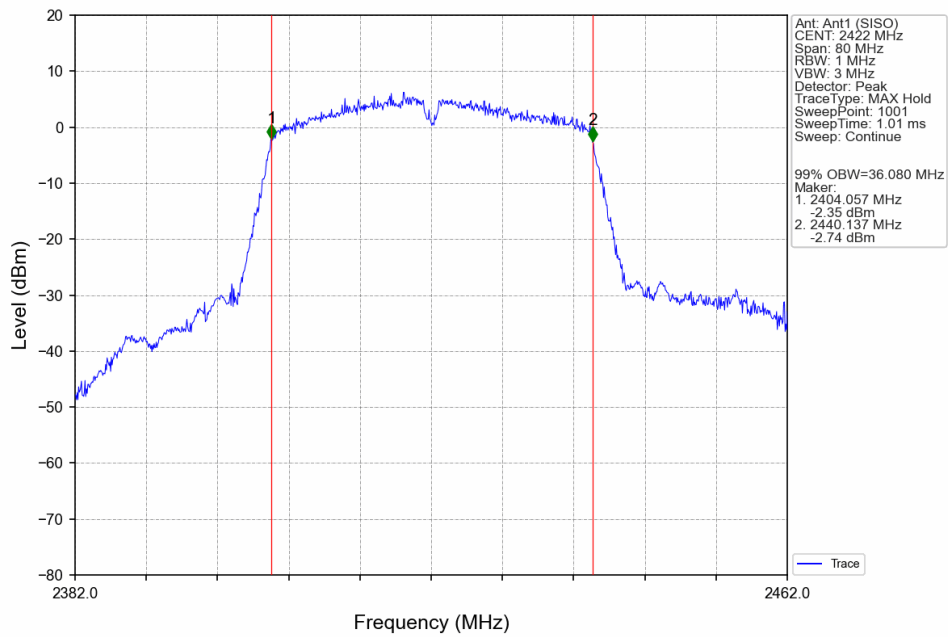
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

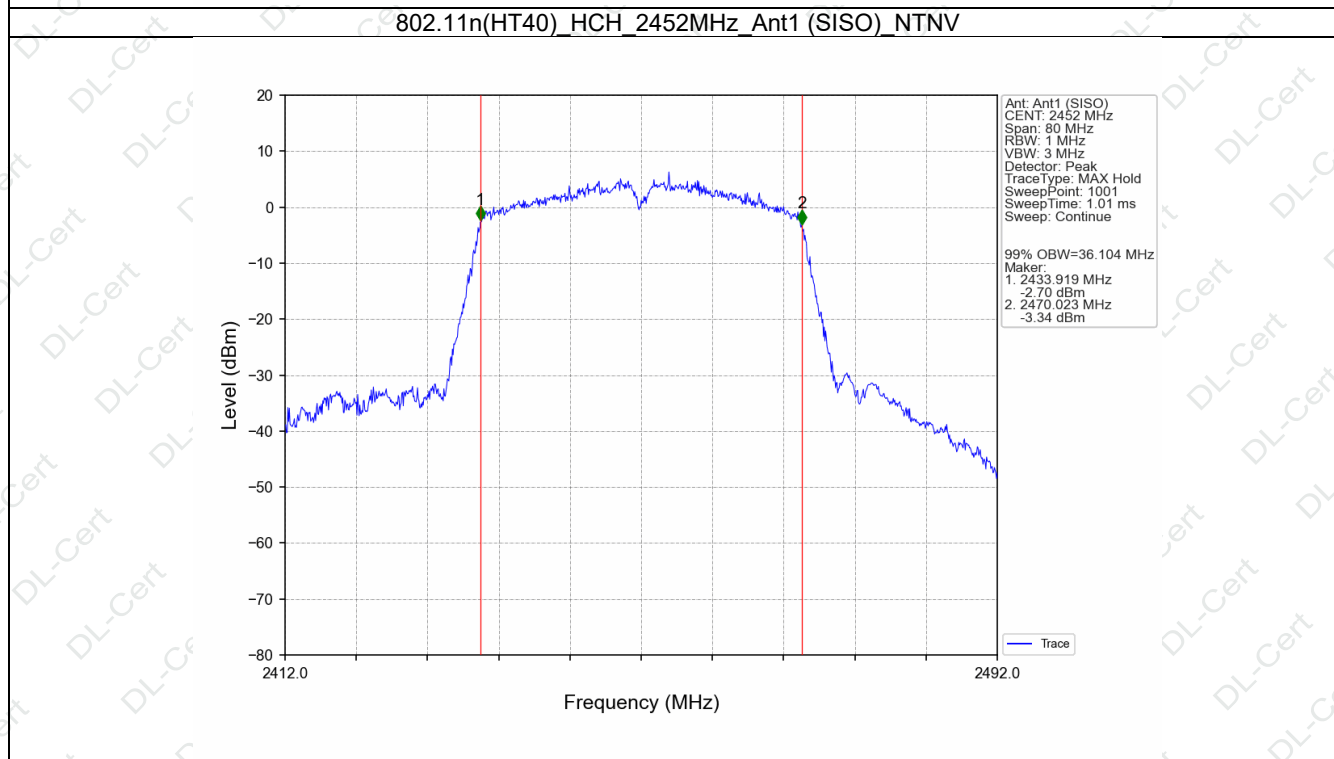
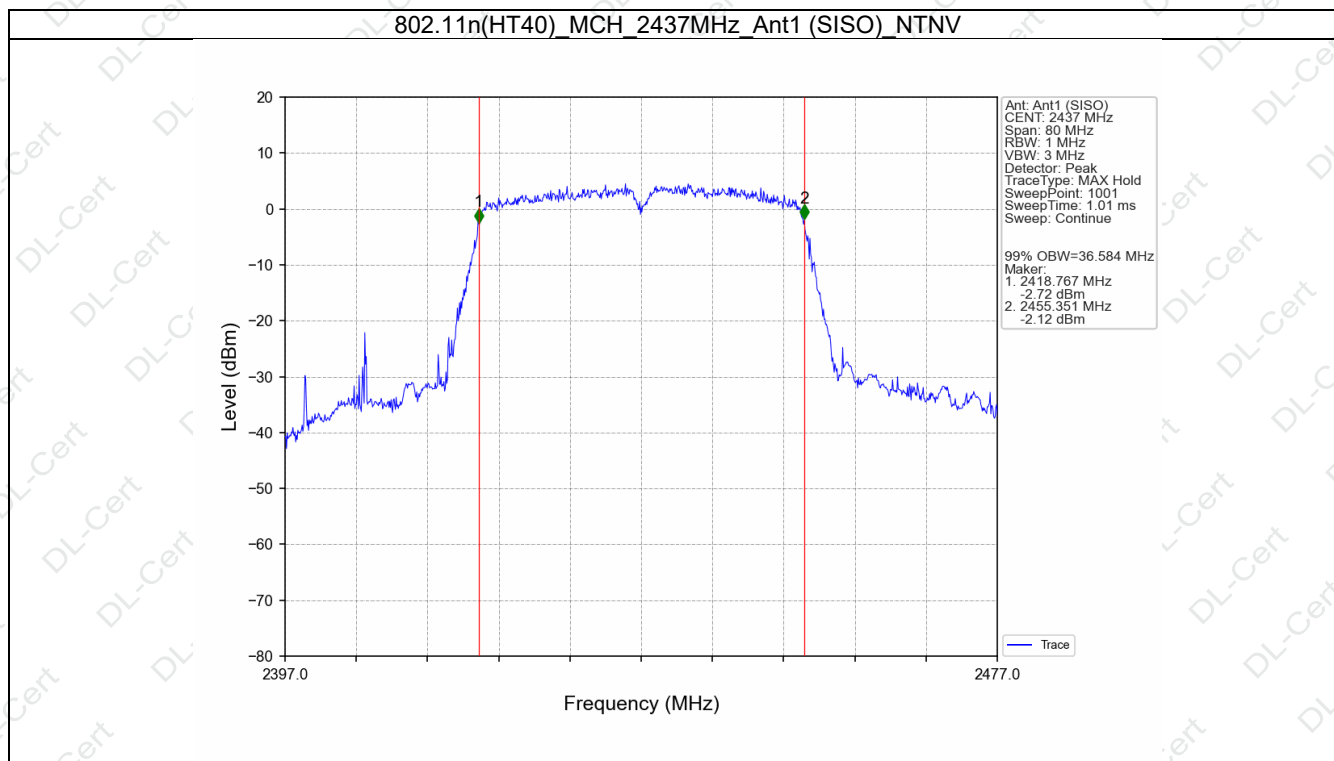


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

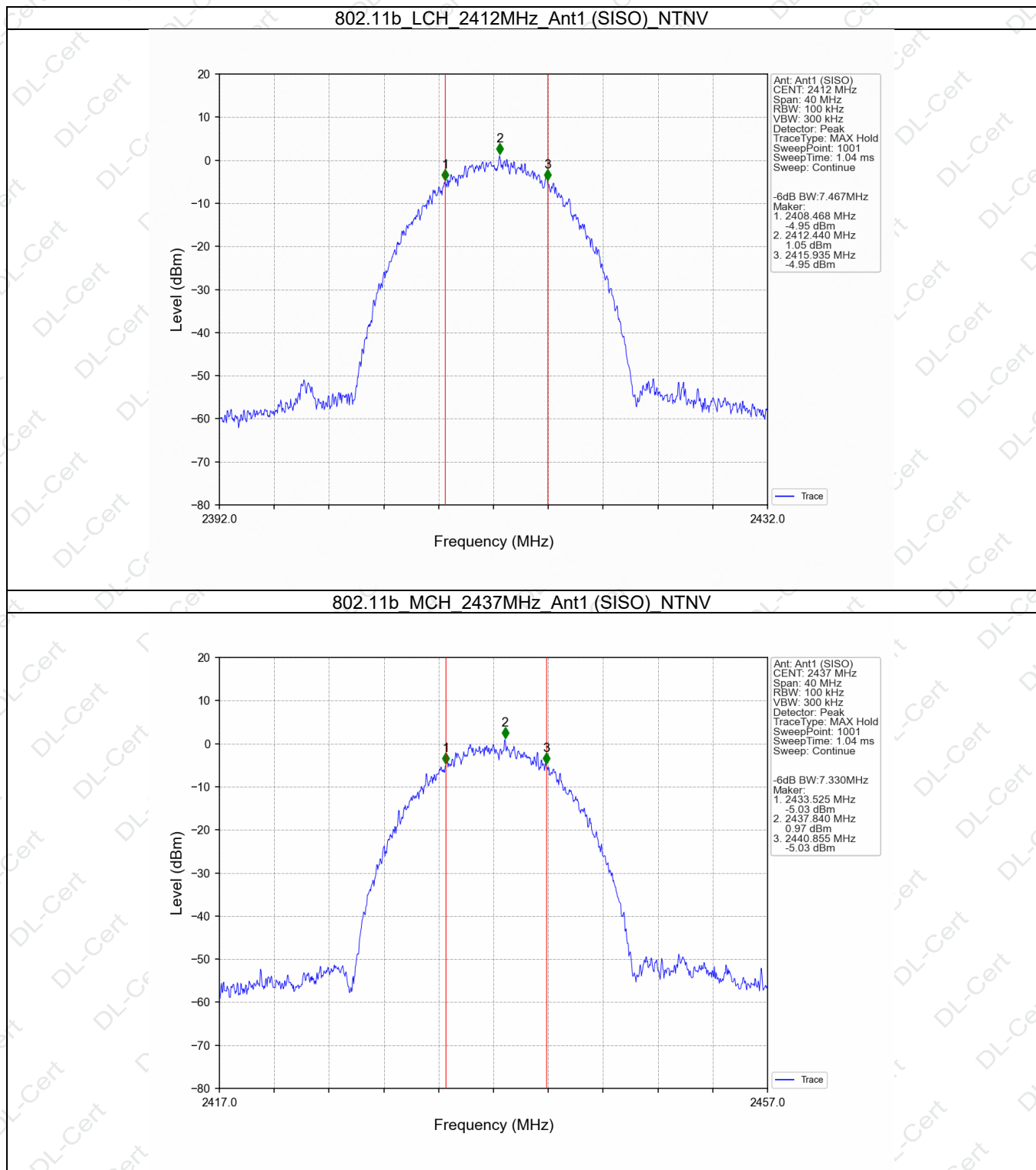


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

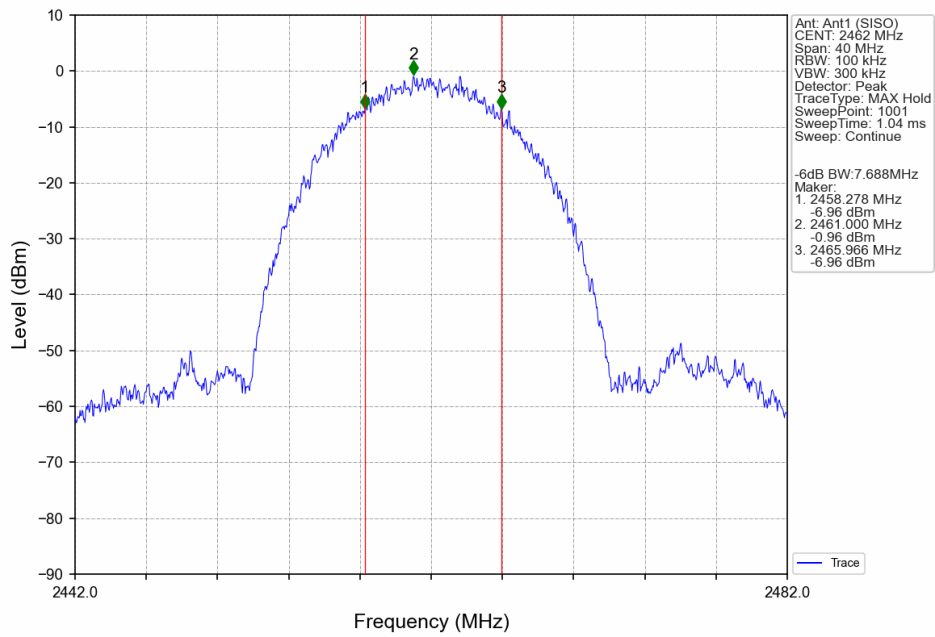




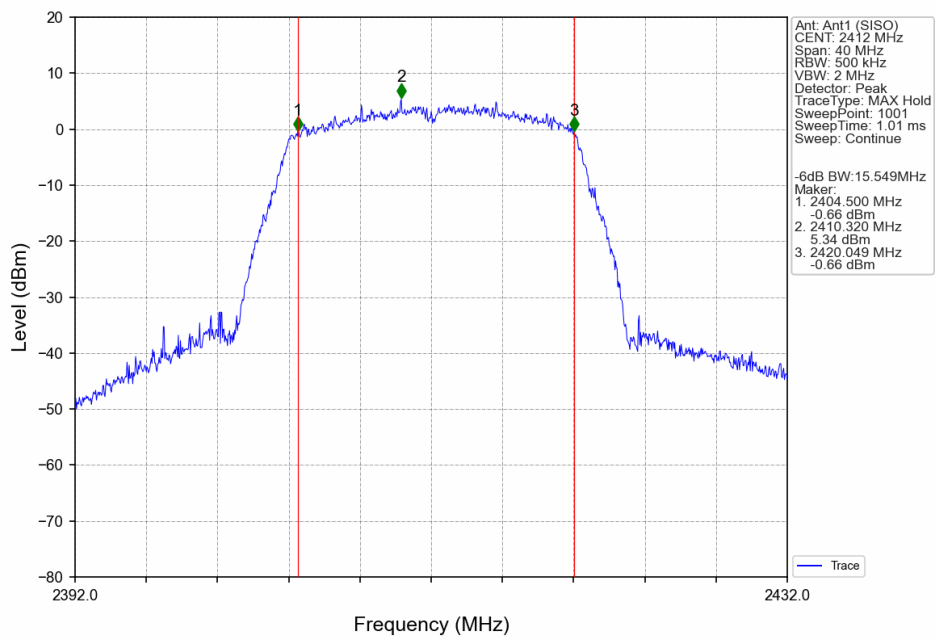
2.2.2 6dB BW



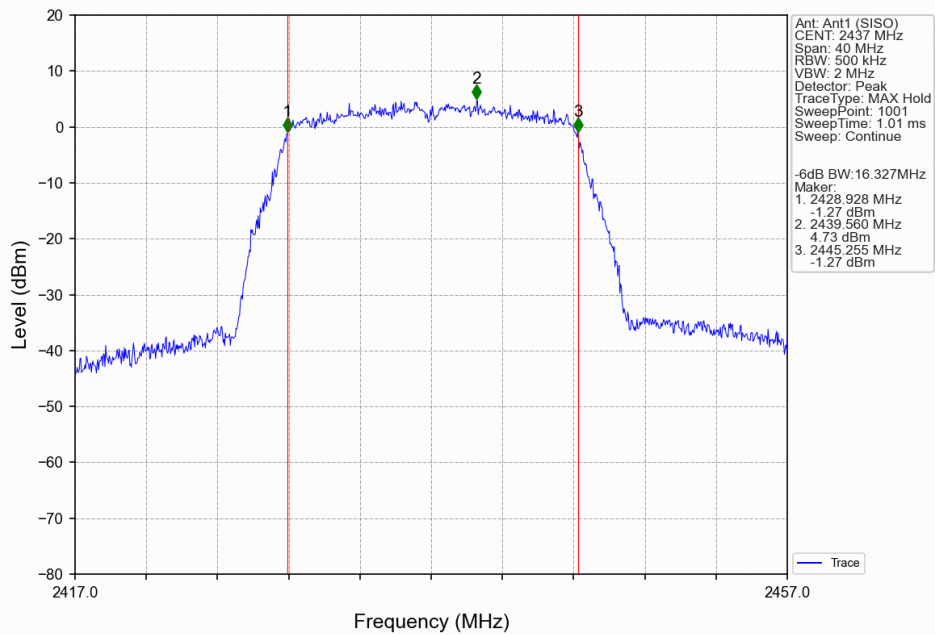
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



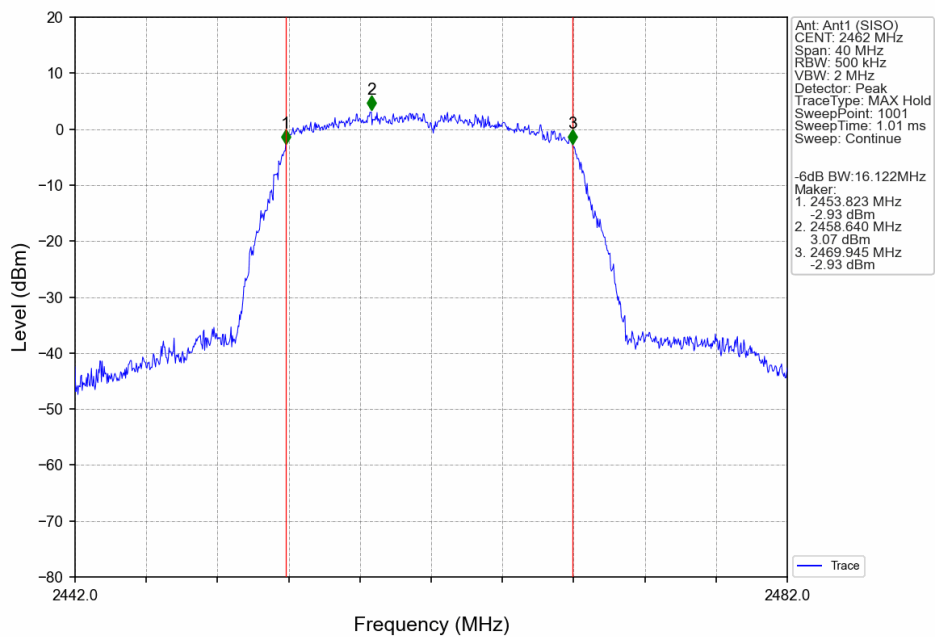
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



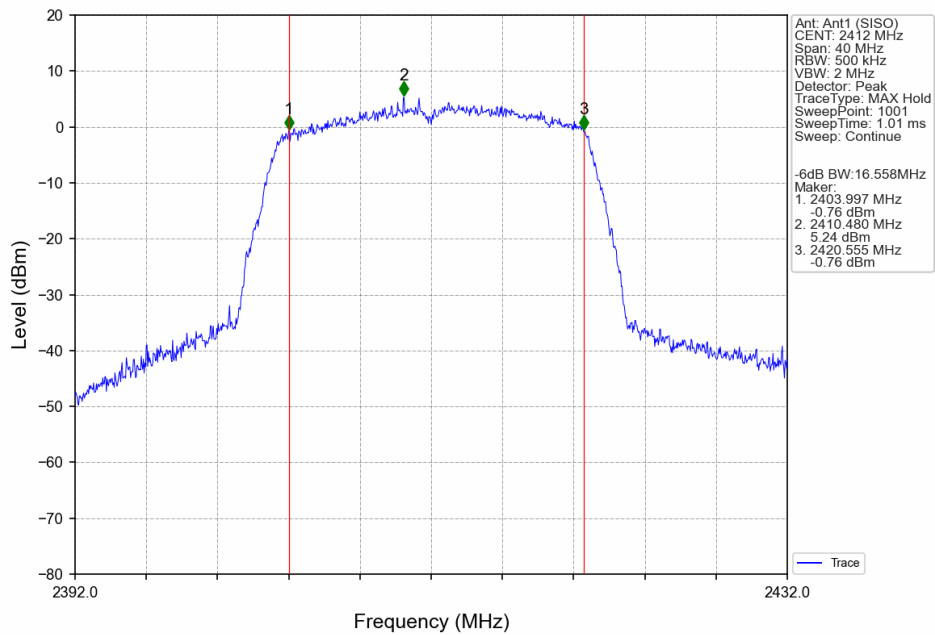
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



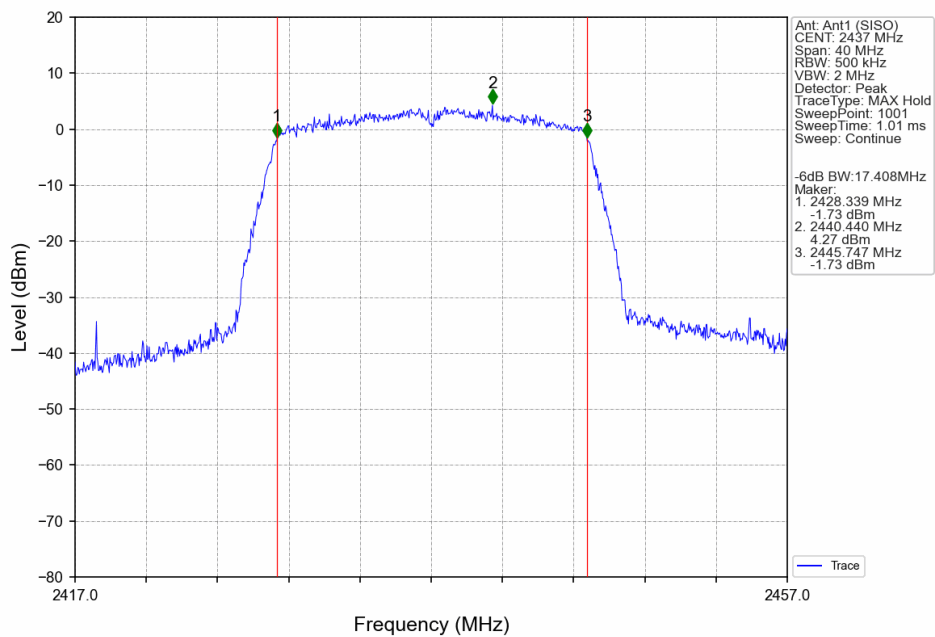
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

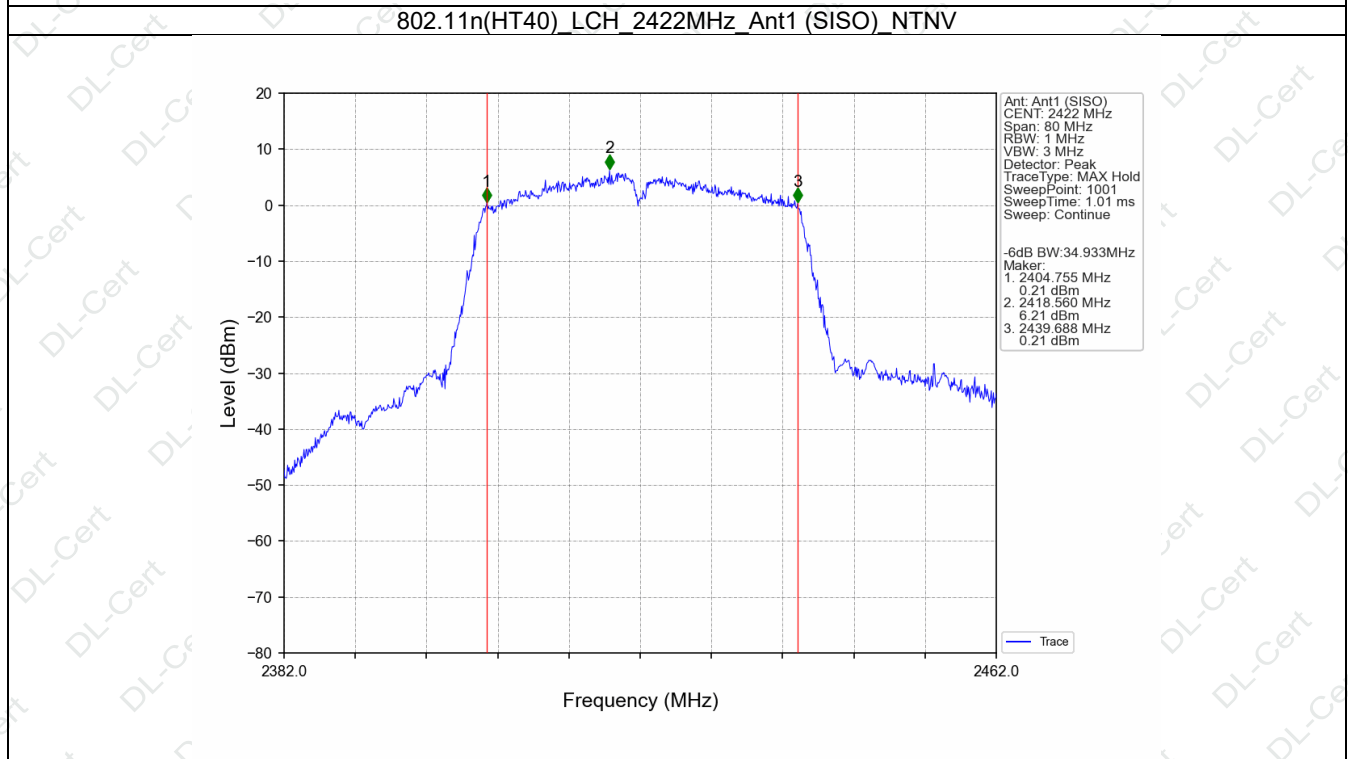
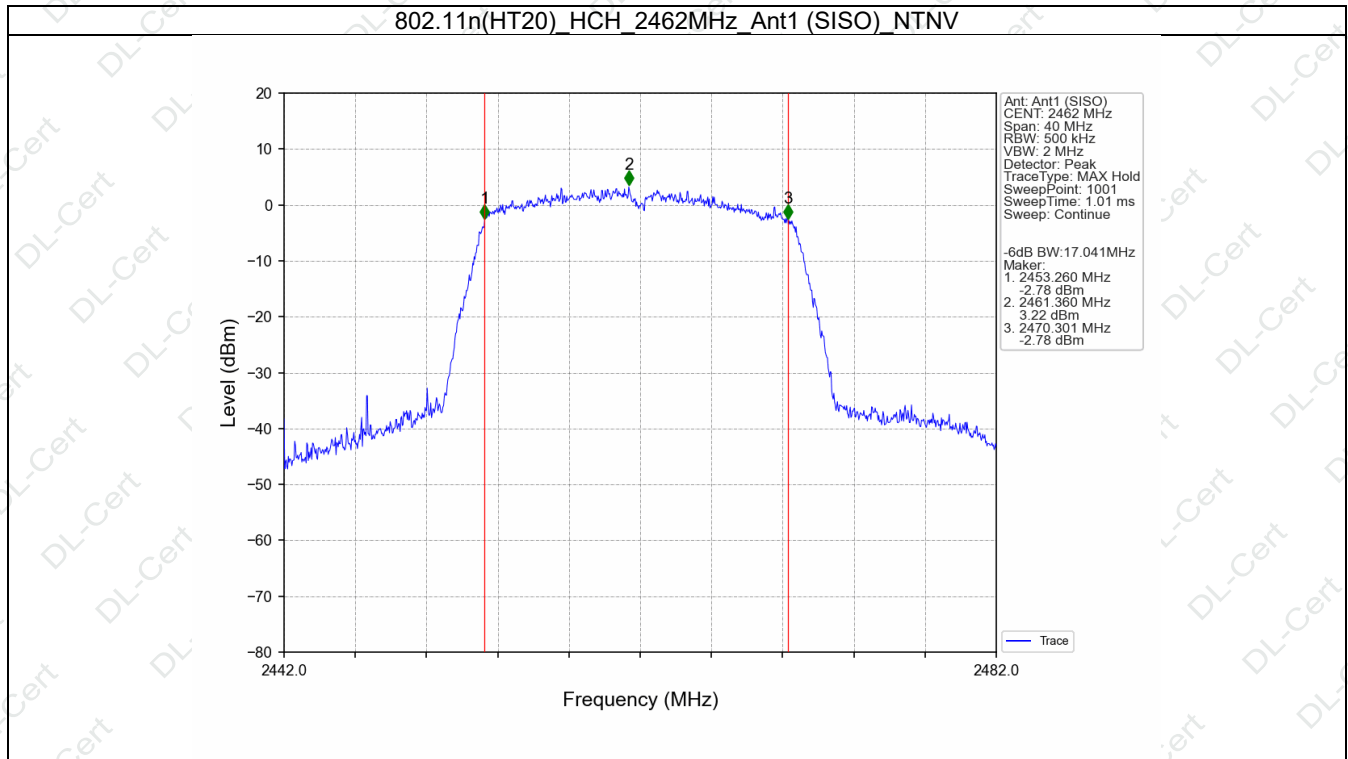


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

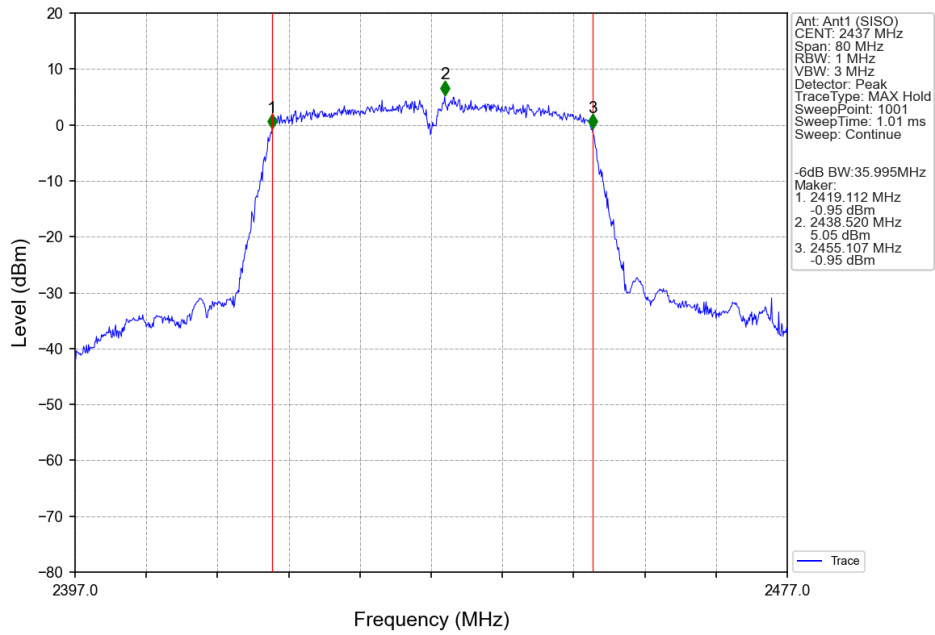


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

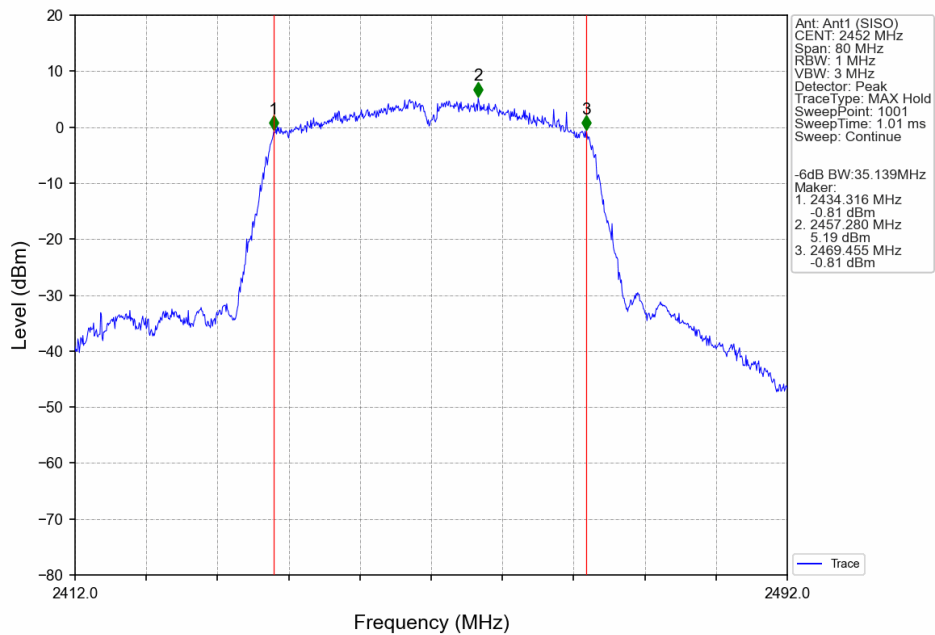




802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

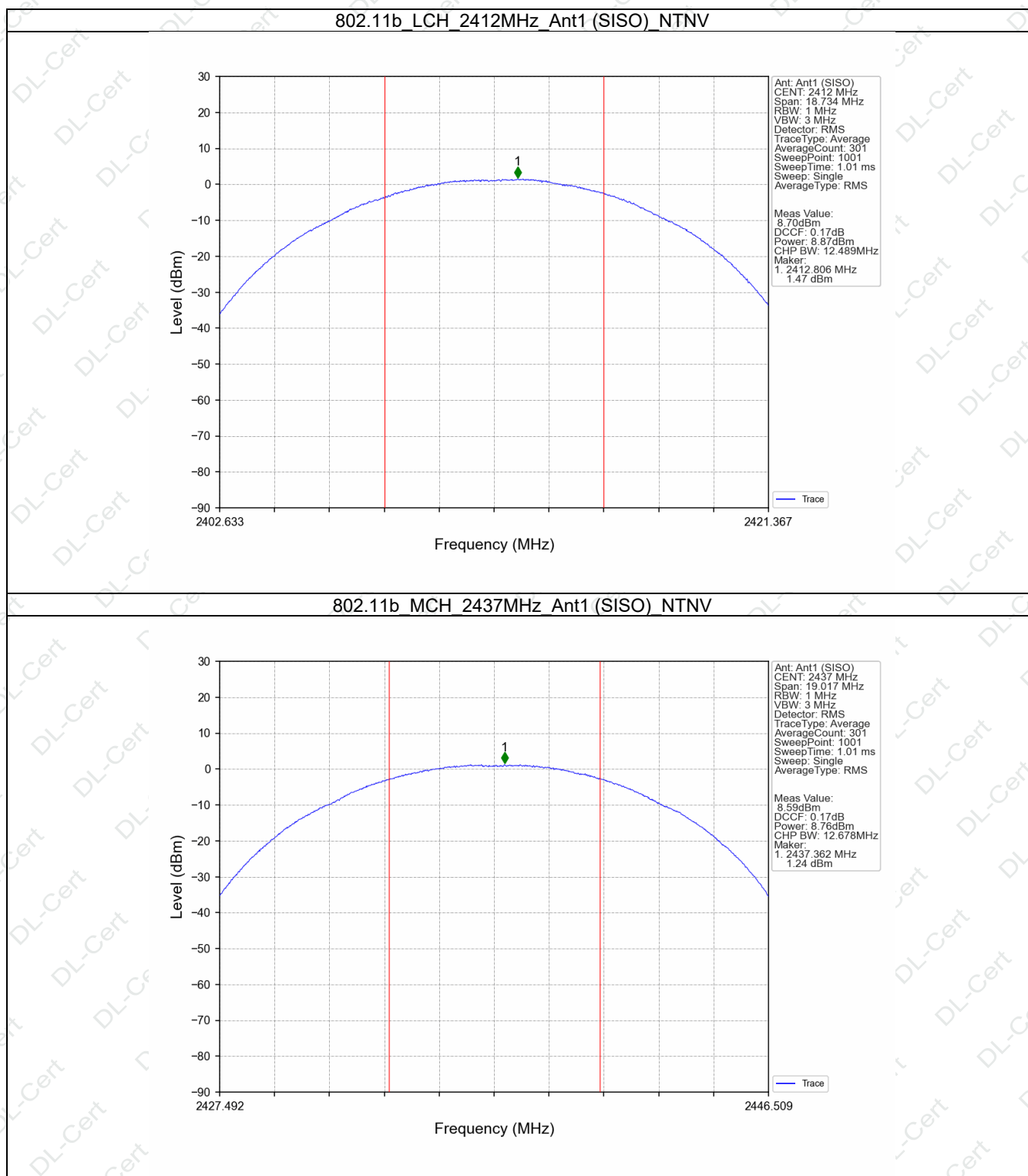
3.1 Test Result

3.1.1 Power

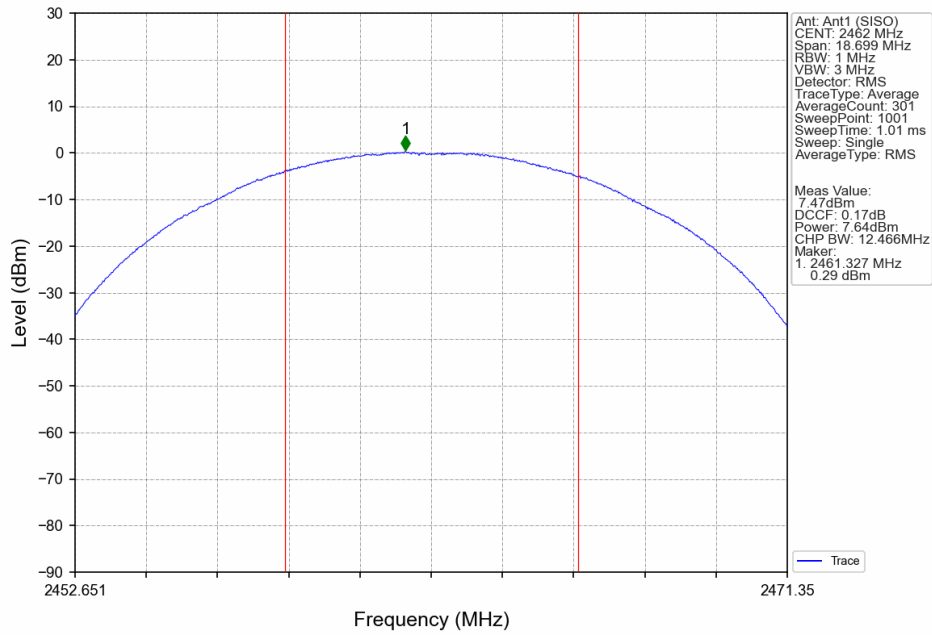
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	8.87	<=30	Pass
		2437	8.76	<=30	Pass
		2462	7.64	<=30	Pass
802.11g	SISO	2412	8.62	<=30	Pass
		2437	8.92	<=30	Pass
		2462	7.40	<=30	Pass
802.11n (HT20)	SISO	2412	8.69	<=30	Pass
		2437	8.79	<=30	Pass
		2462	7.51	<=30	Pass
802.11n (HT40)	SISO	2422	9.15	<=30	Pass
		2437	8.93	<=30	Pass
		2452	8.48	<=30	Pass

3.2 Test Graph

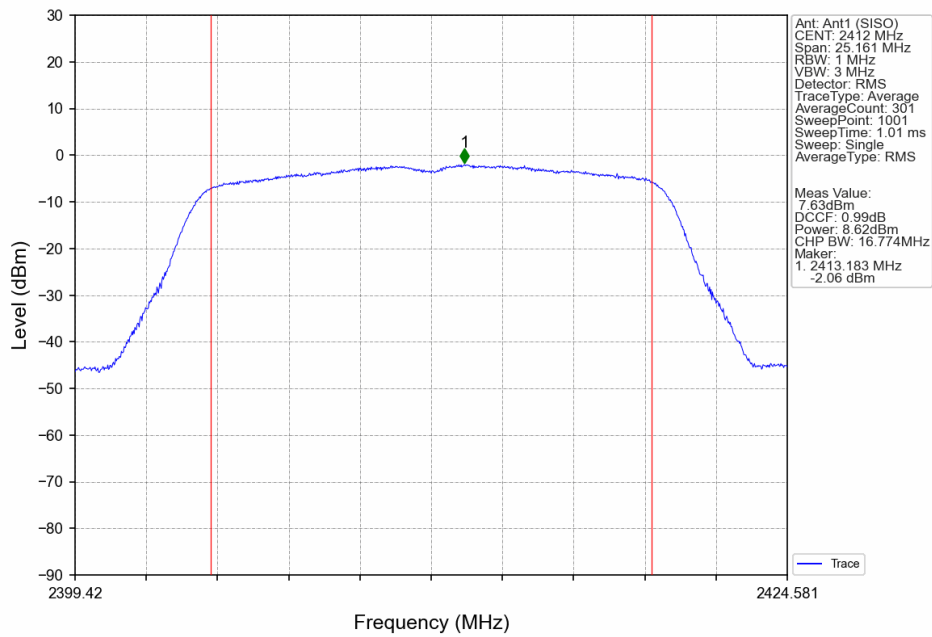
3.2.1 Power



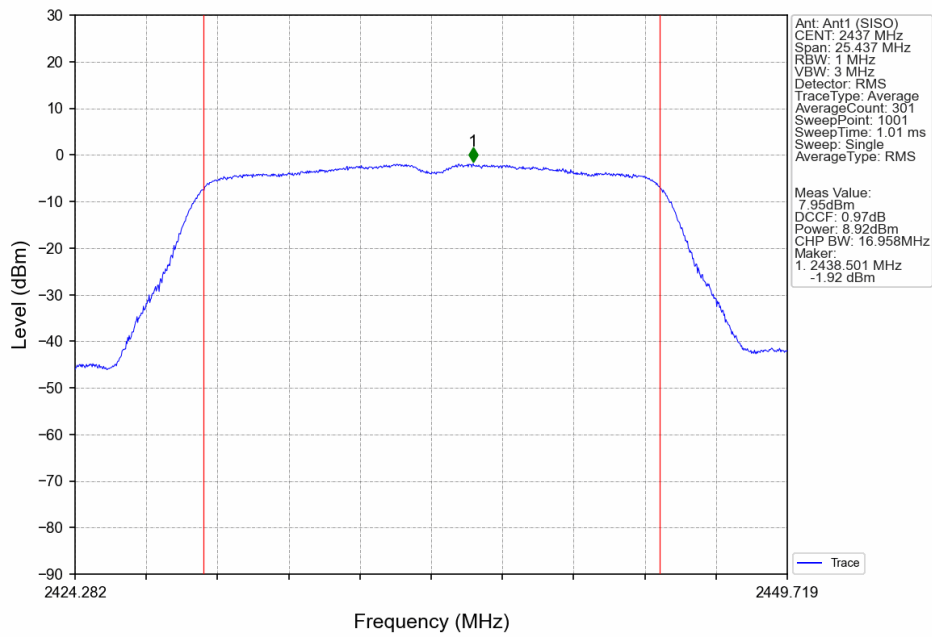
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



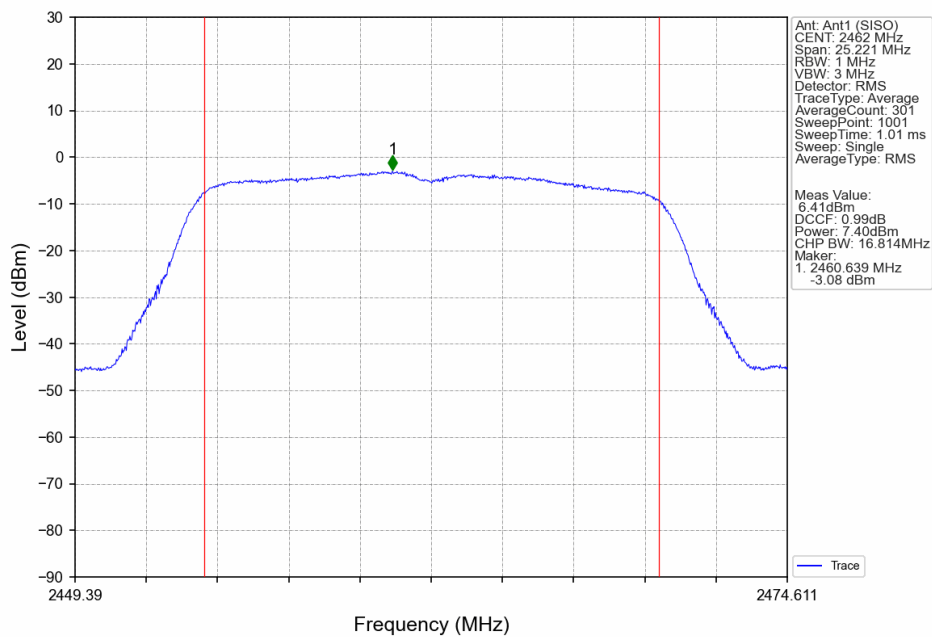
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



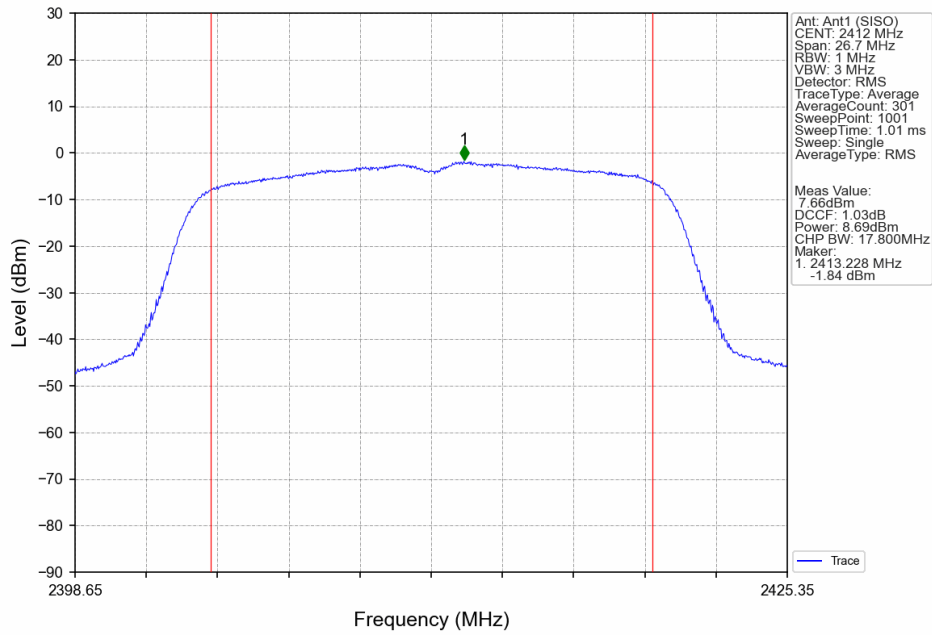
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



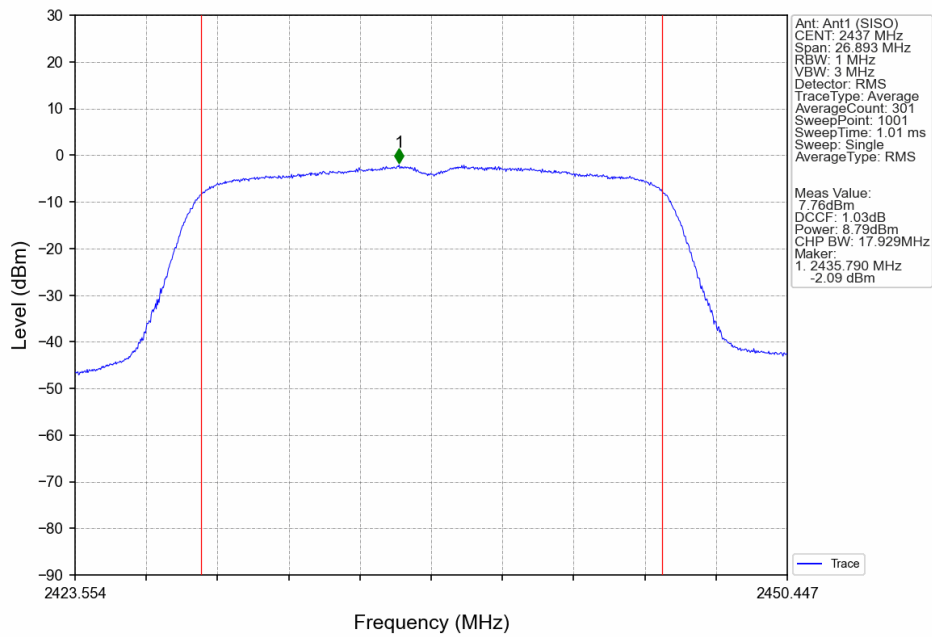
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



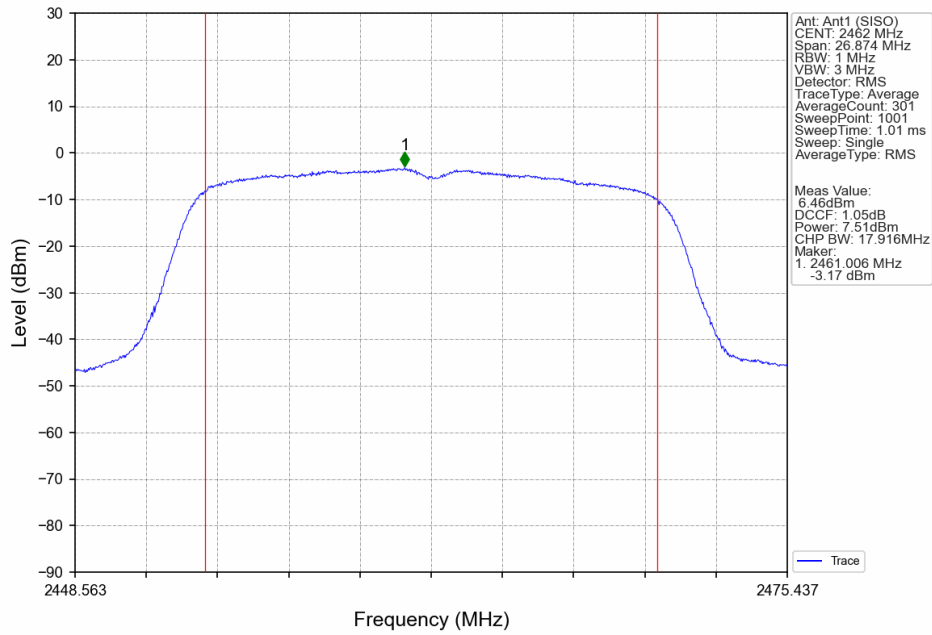
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



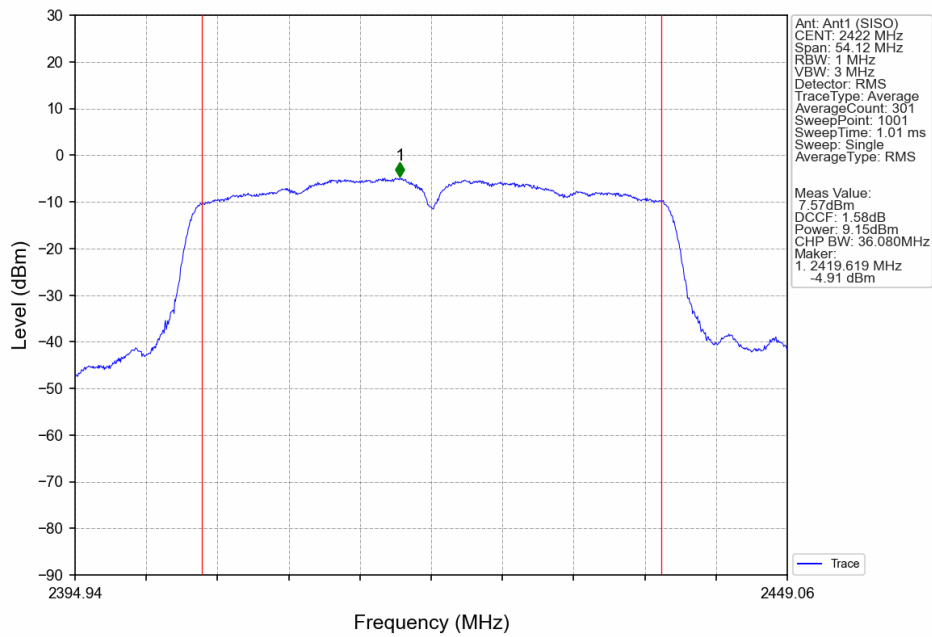
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



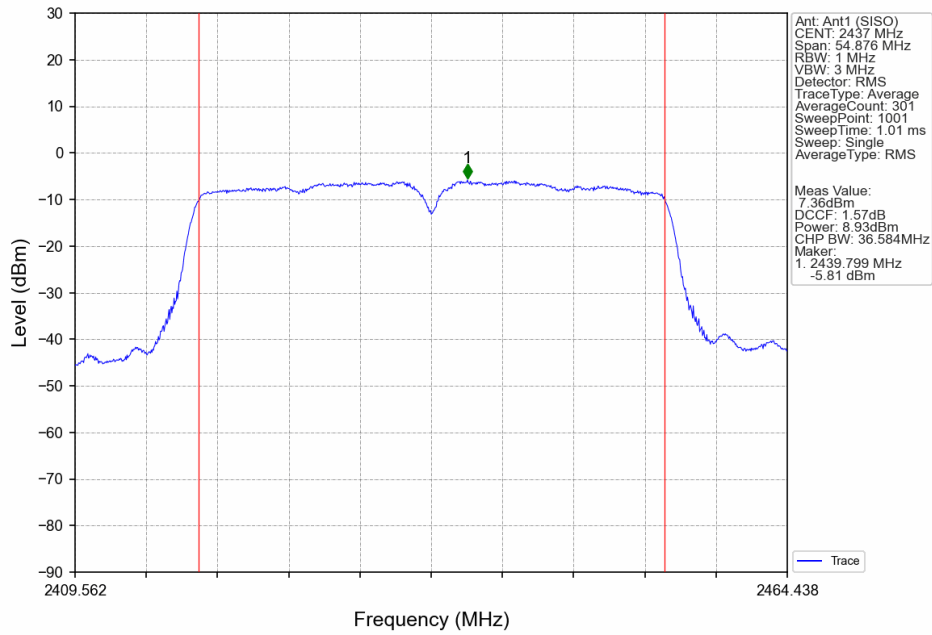
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



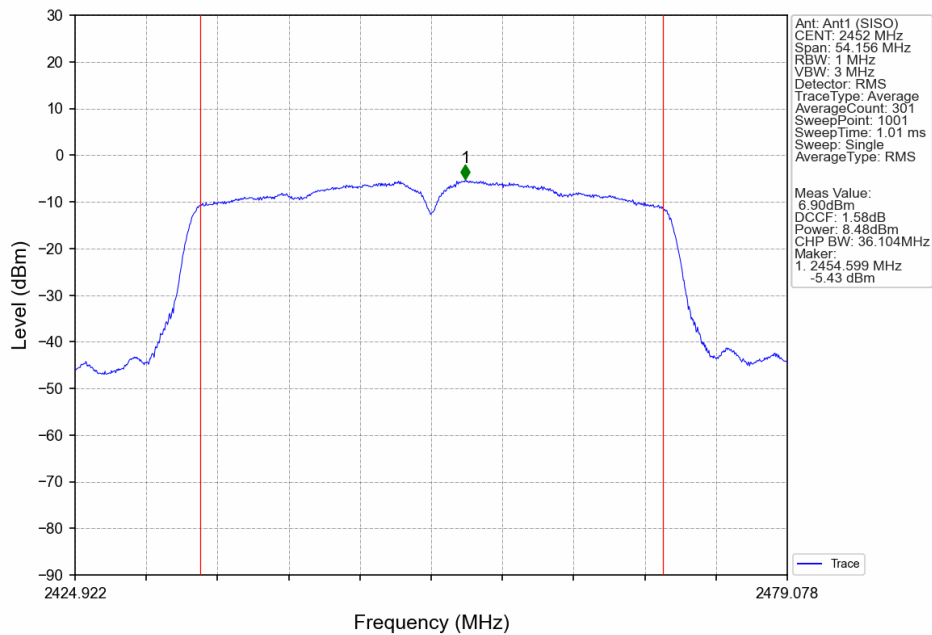
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



4. Maximum Power Spectral Density

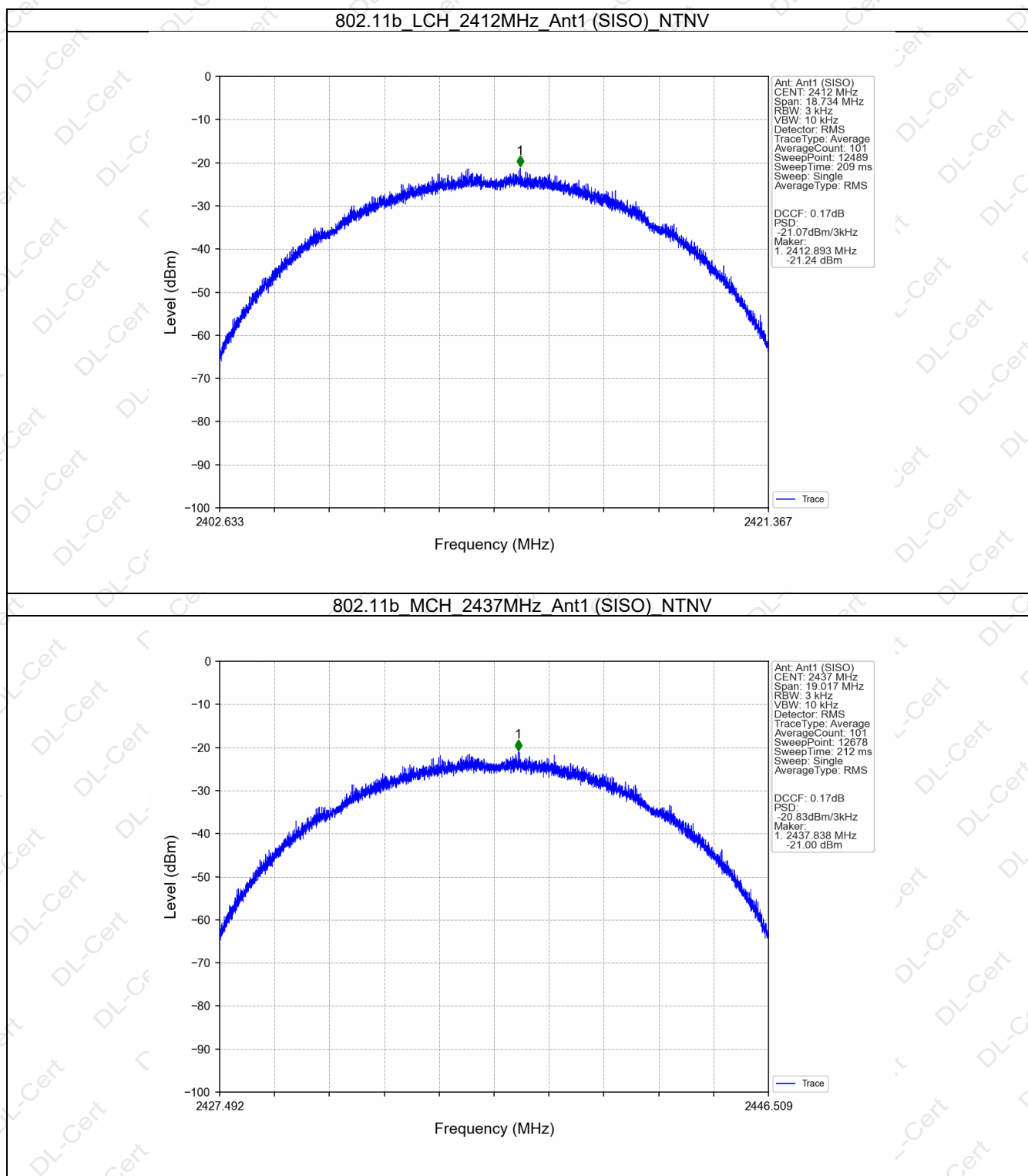
4.1 Test Result

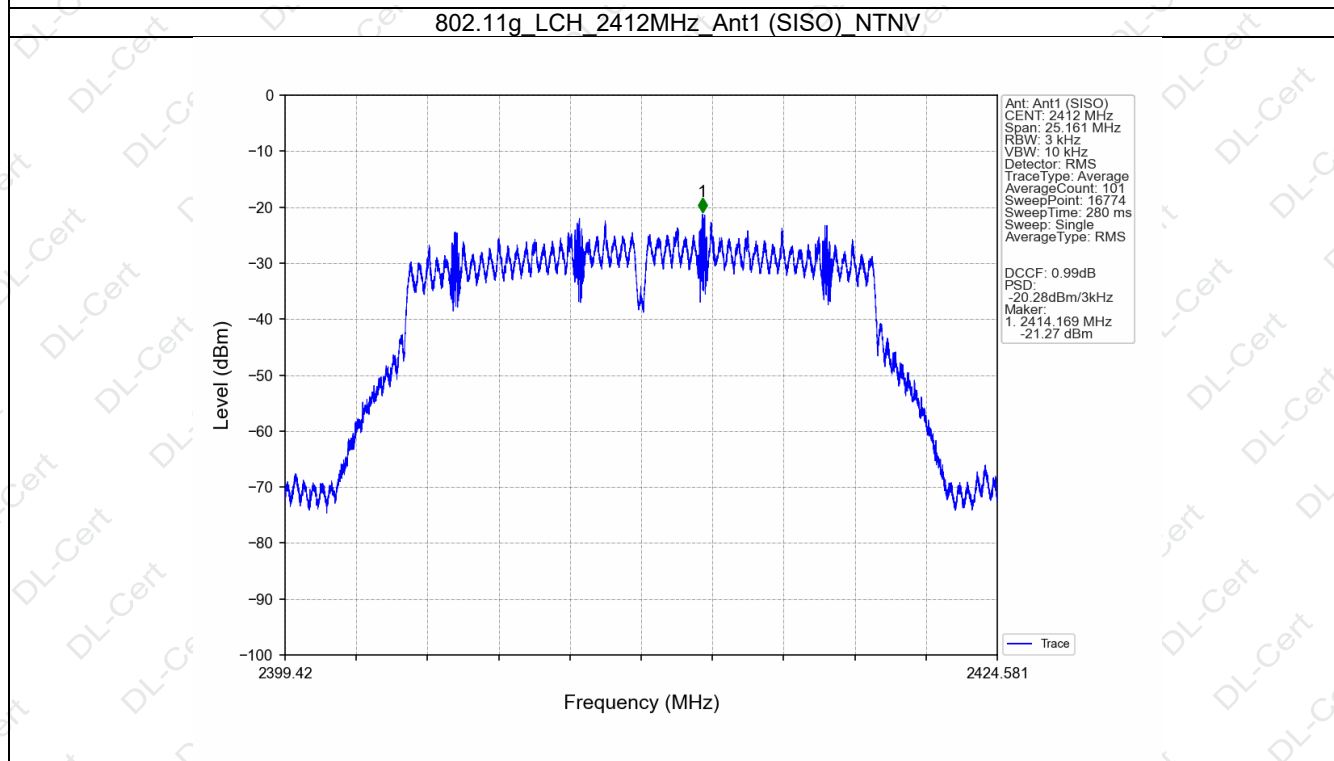
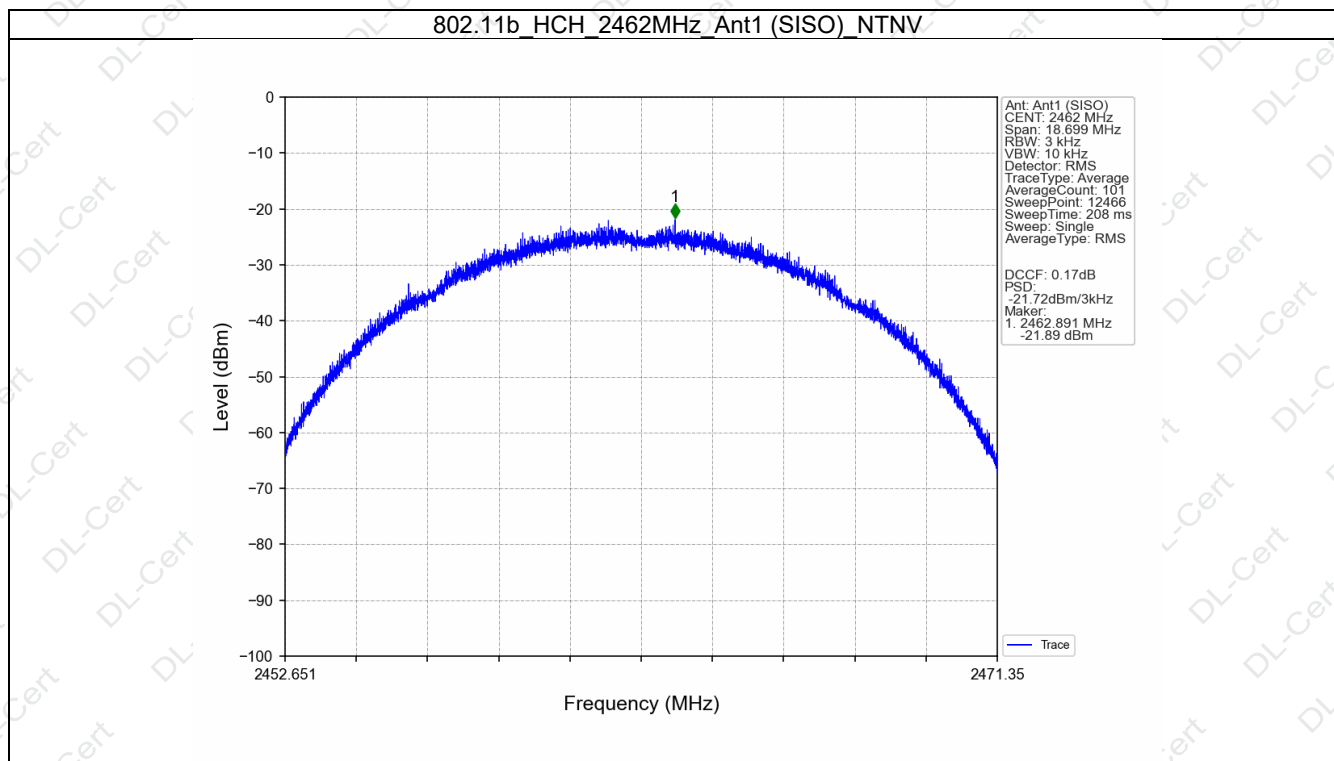
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-21.07	<=8	Pass
		2437	-20.83	<=8	Pass
		2462	-21.72	<=8	Pass
802.11g	SISO	2412	-20.28	<=8	Pass
		2437	-20.41	<=8	Pass
		2462	-21.83	<=8	Pass
802.11n (HT20)	SISO	2412	-18.80	<=8	Pass
		2437	-18.95	<=8	Pass
		2462	-20.06	<=8	Pass
802.11n (HT40)	SISO	2422	-18.91	<=8	Pass
		2437	-20.07	<=8	Pass
		2452	-20.47	<=8	Pass

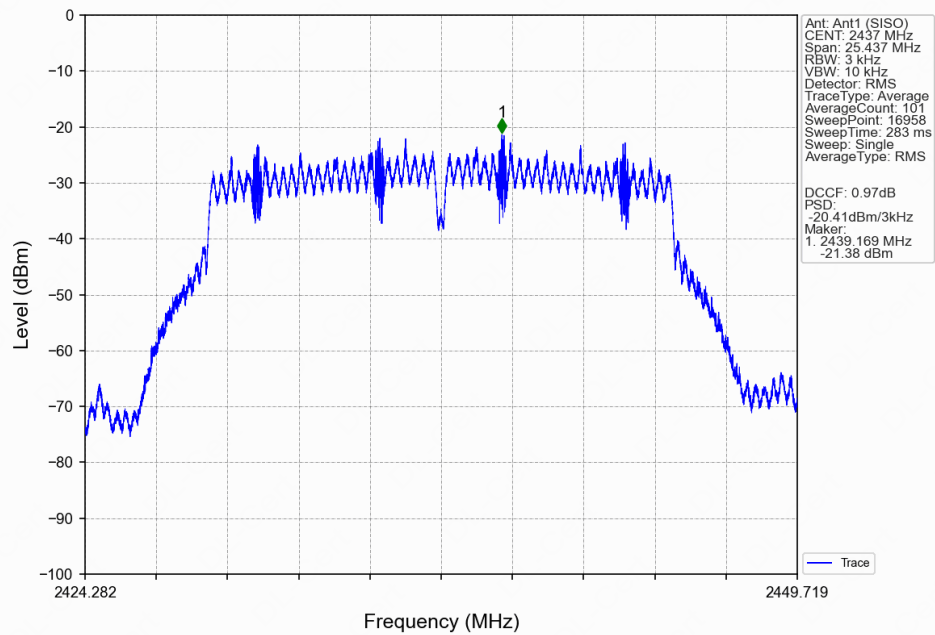
4.2 Test Graph

4.2.1 PSD

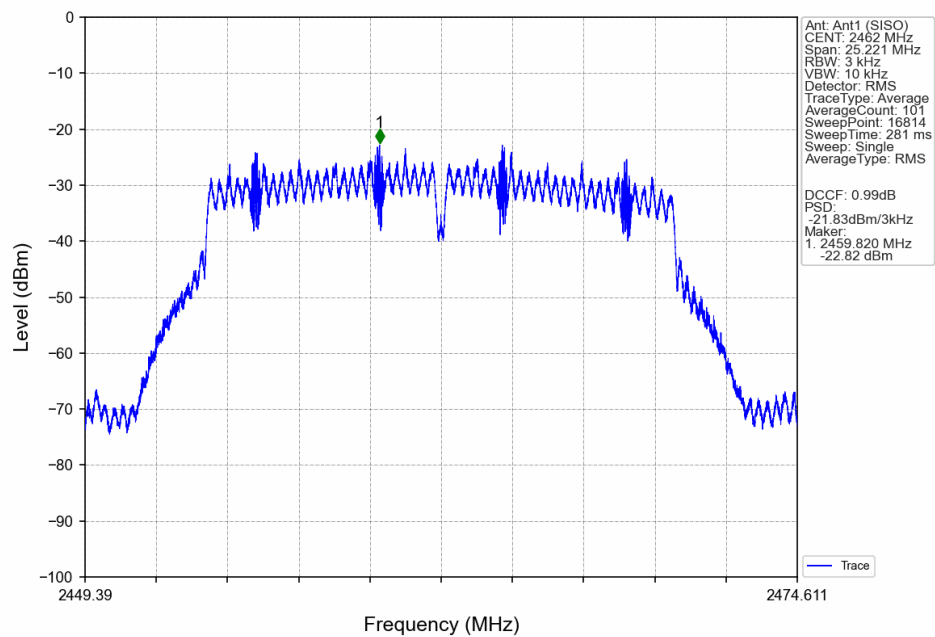


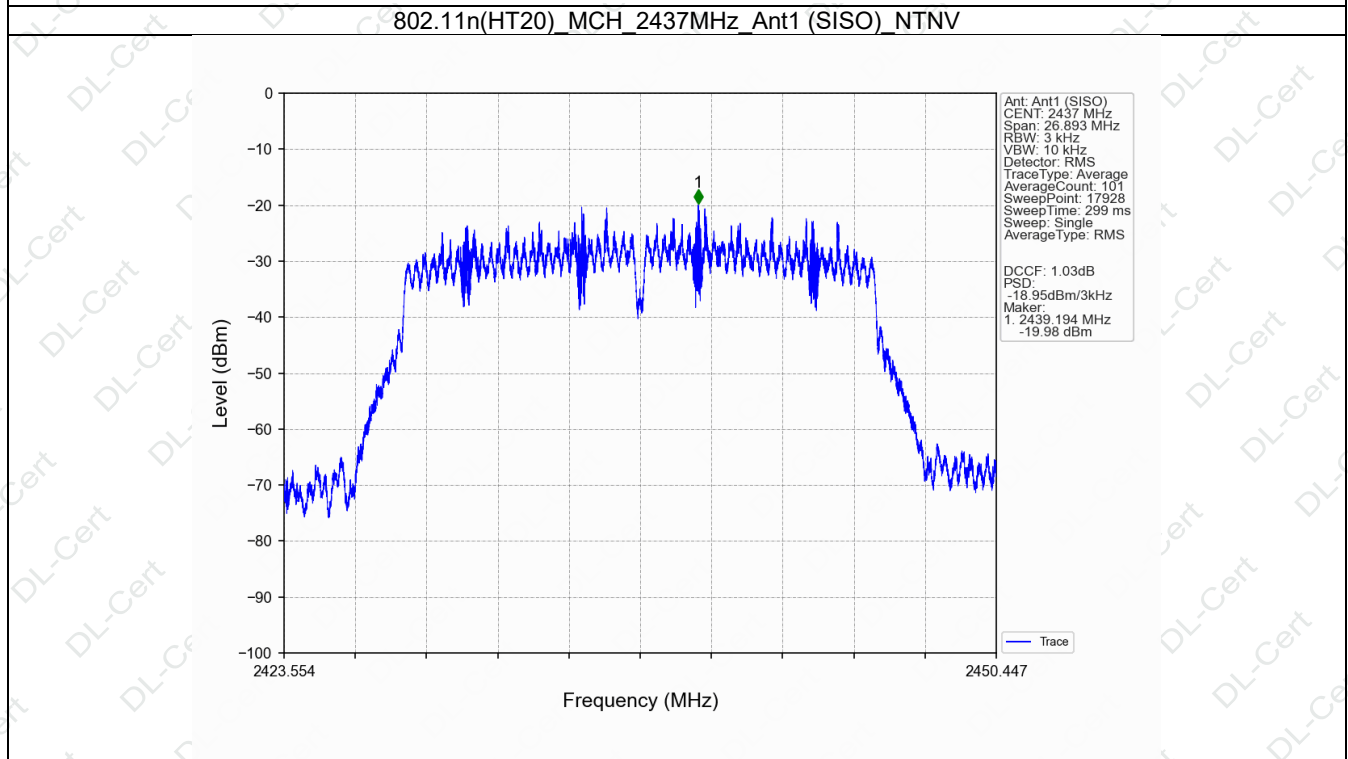
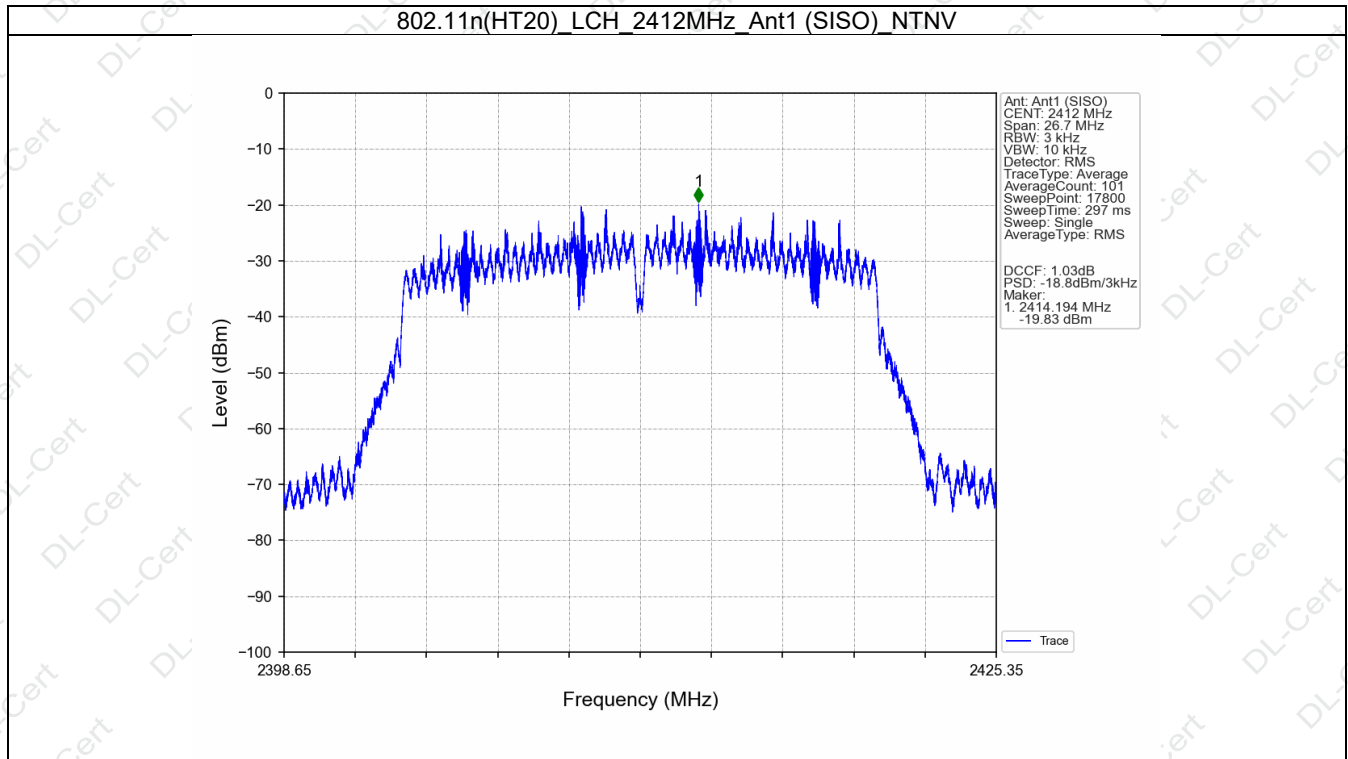


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

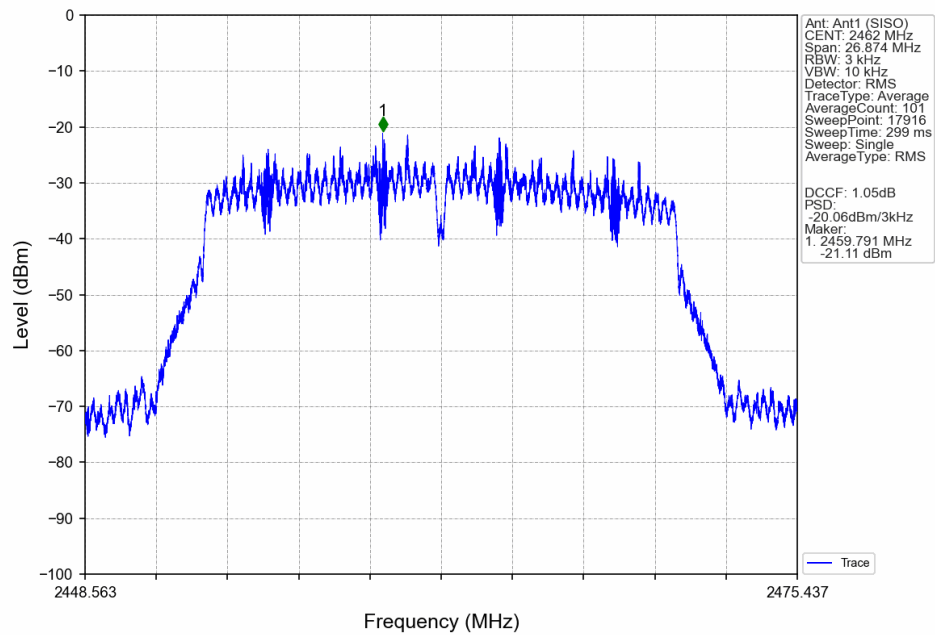


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

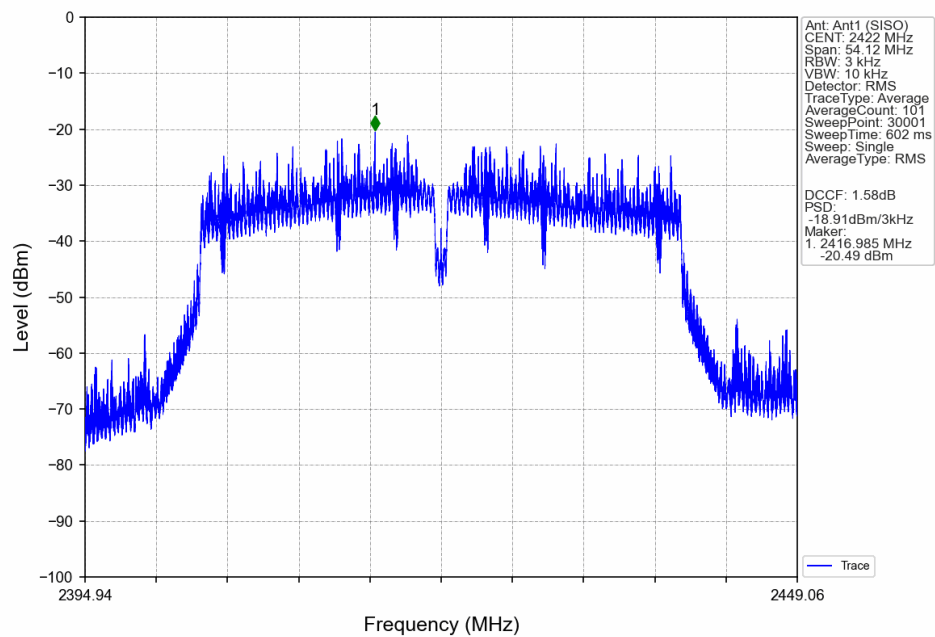


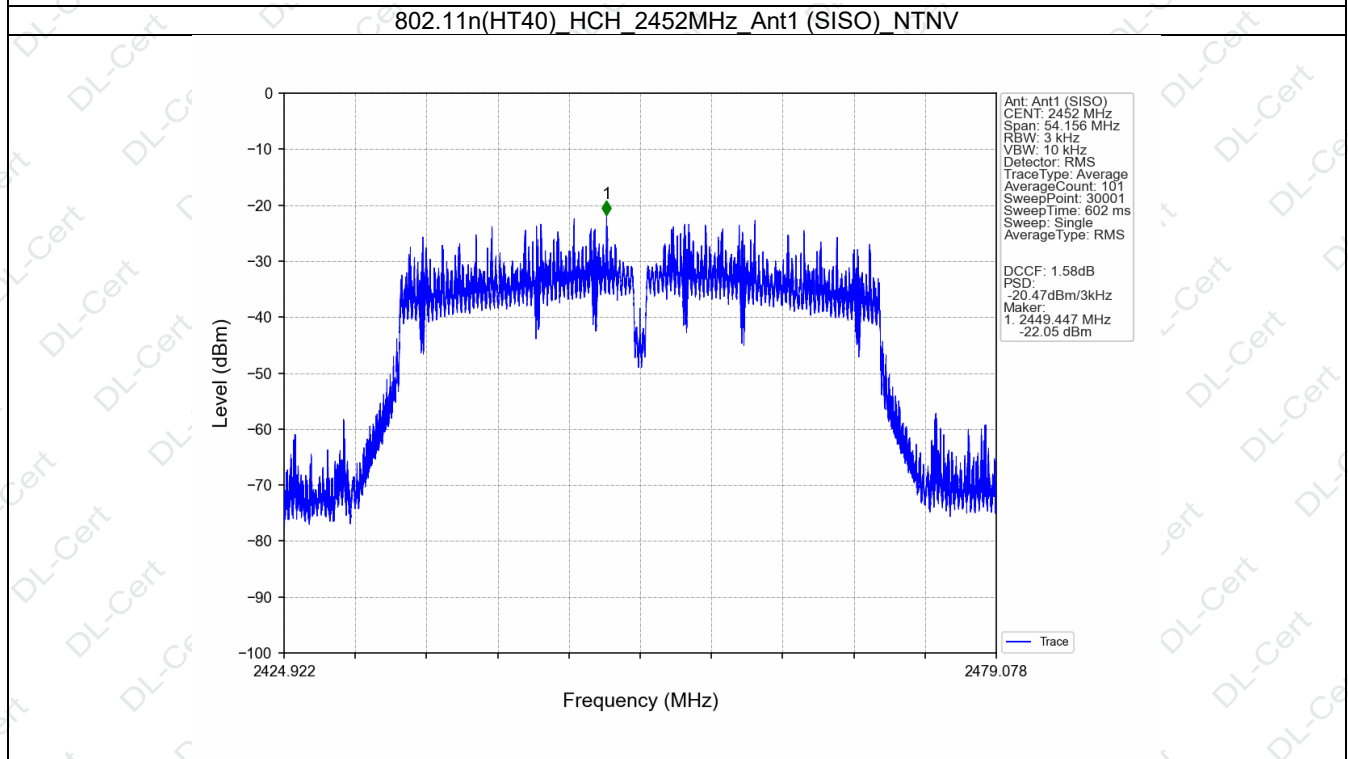
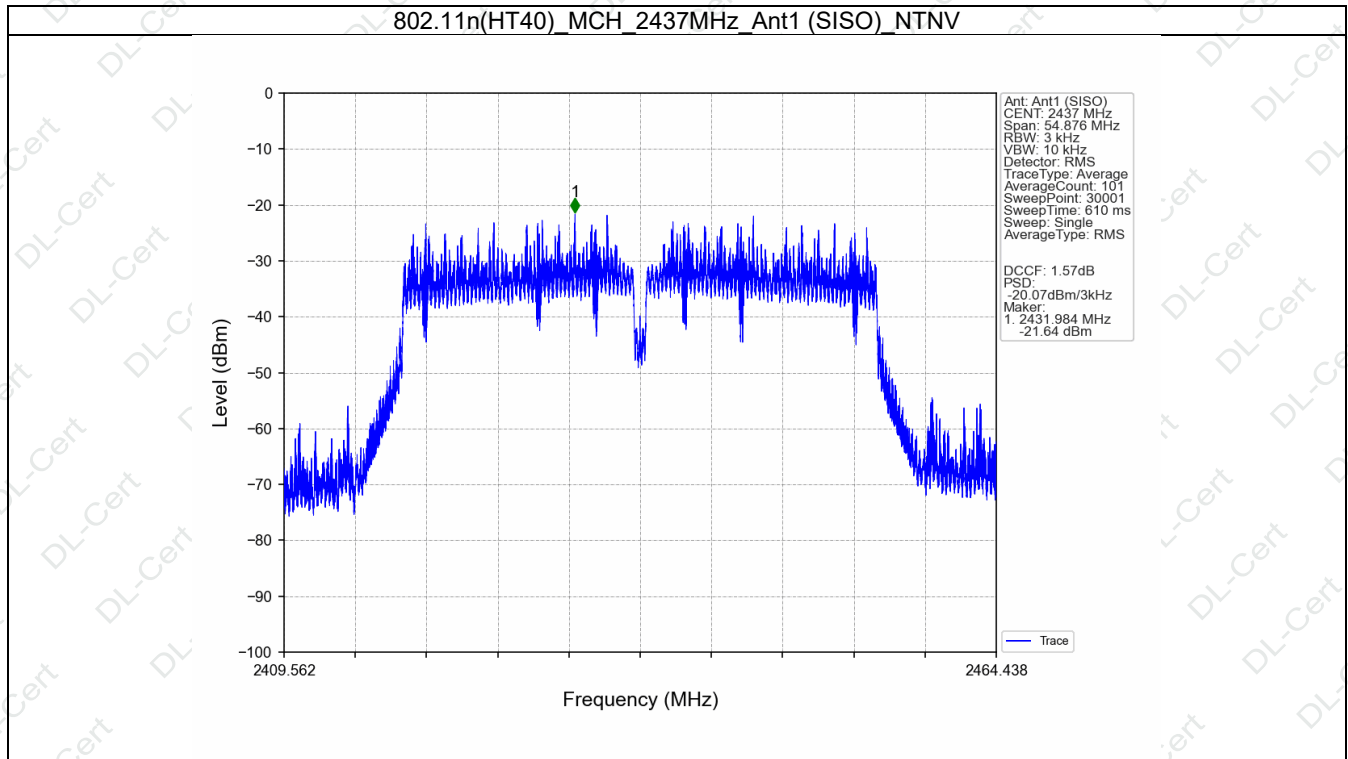


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (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	0.70
		2437	1	1.27
		2462	1	-0.16
802.11g	SISO	2412	1	-1.32
		2437	1	-1.53
		2462	1	-3.15
802.11n (HT20)	SISO	2412	1	-1.18
		2437	1	-1.46
		2462	1	-2.59
802.11n (HT40)	SISO	2422	1	-2.75
		2437	1	-4.23
		2452	1	-4.07

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

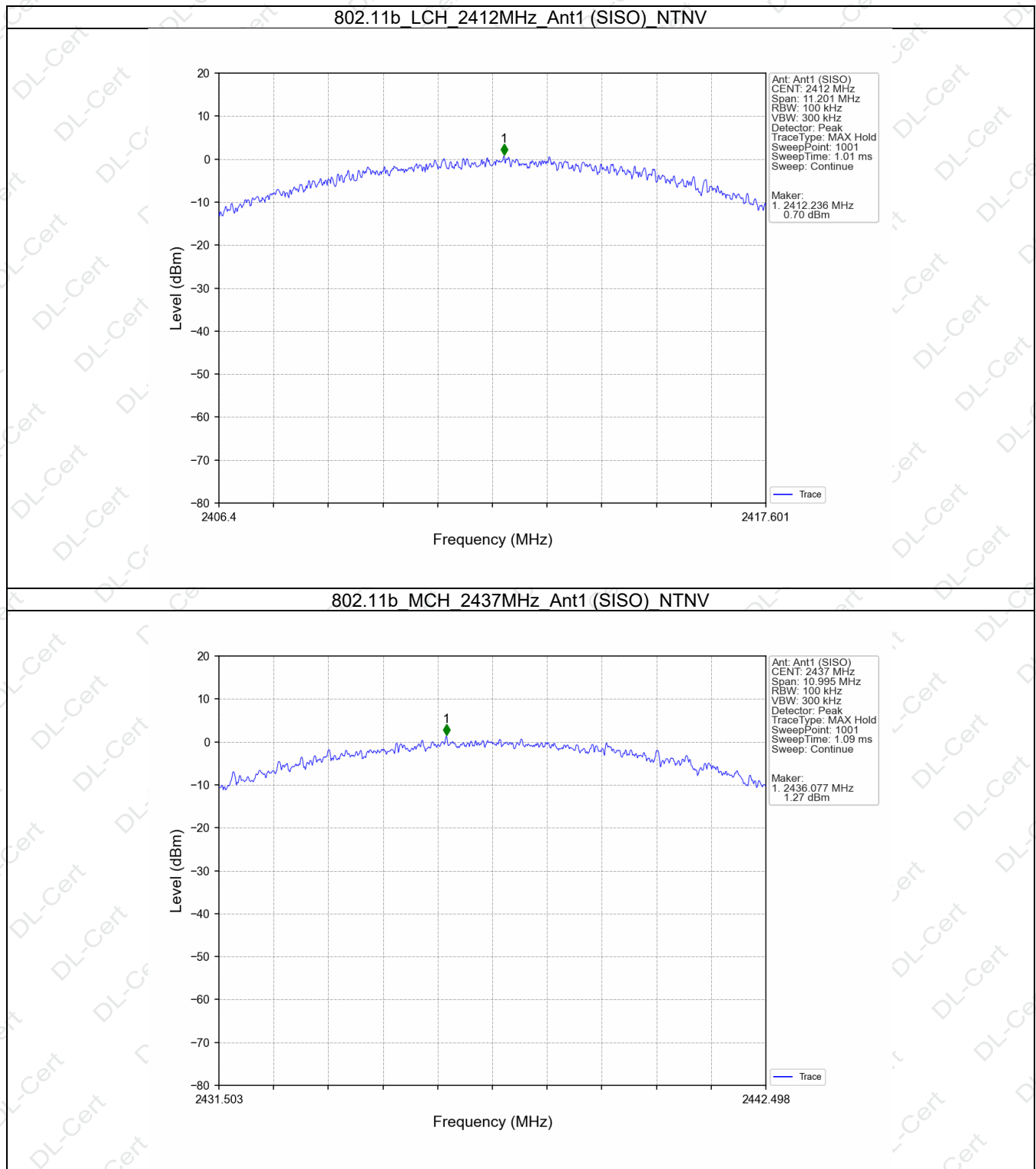
5.1.2 CSE

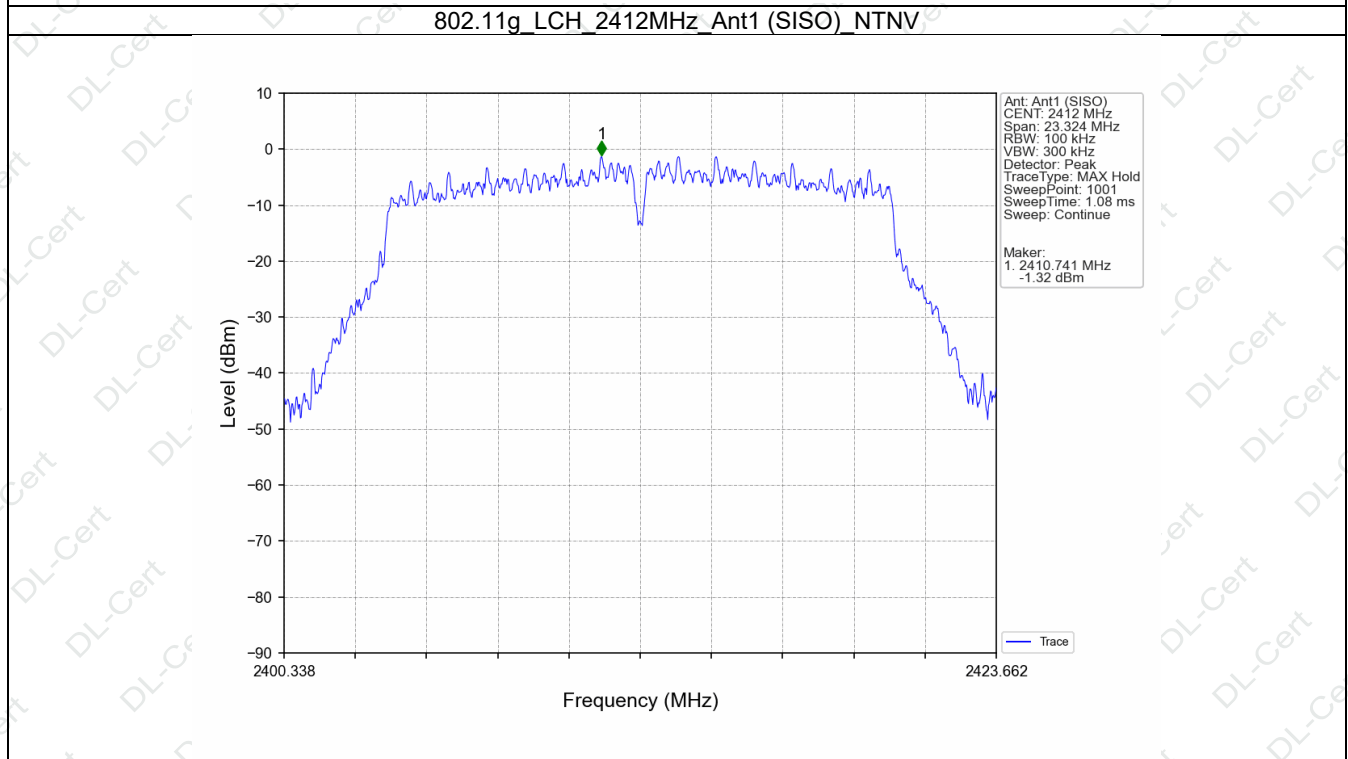
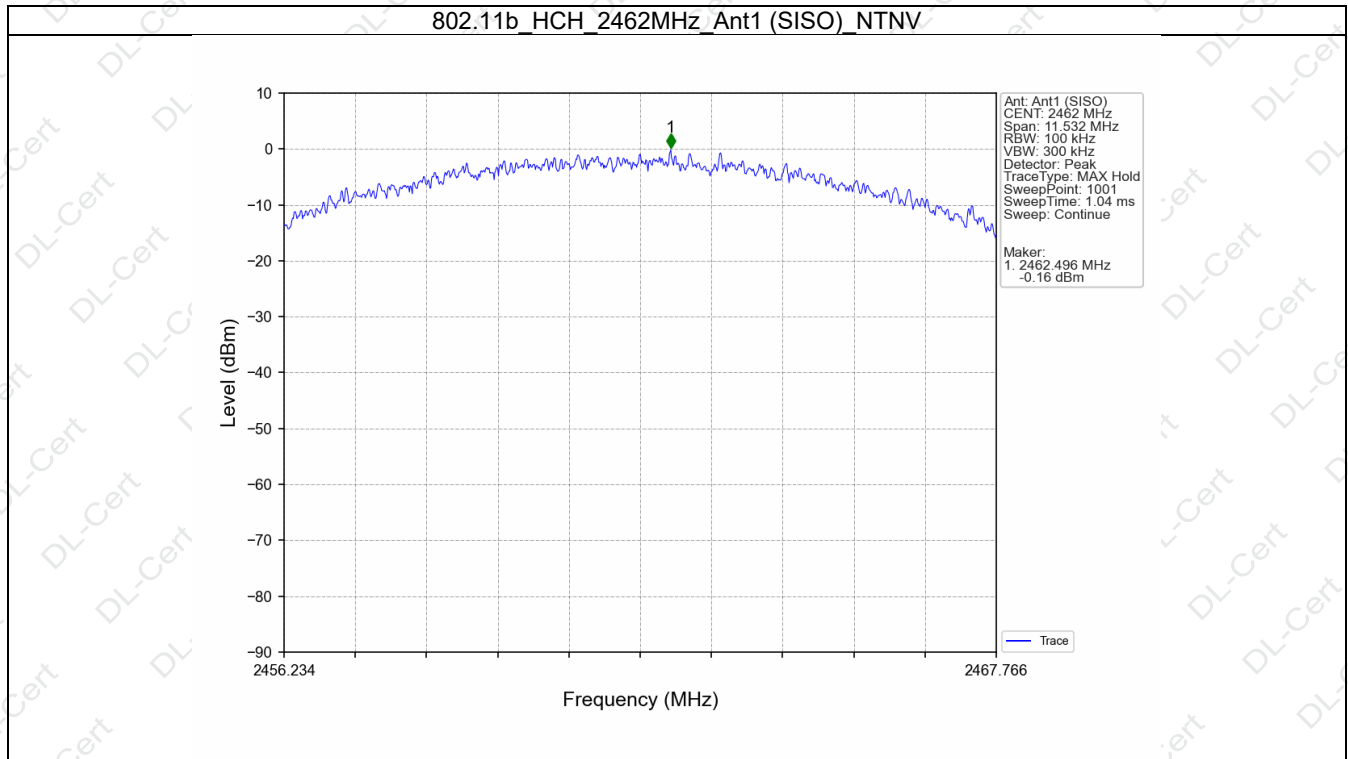
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	0.70	-29.30	Pass
		2437	1	1.27	-28.73	Pass
		2462	1	-0.16	-30.16	Pass
802.11g	SISO	2412	1	-1.32	-31.32	Pass
		2437	1	-1.53	-31.53	Pass
		2462	1	-3.15	-33.15	Pass
802.11n (HT20)	SISO	2412	1	-1.18	-31.18	Pass
		2437	1	-1.46	-31.46	Pass
		2462	1	-2.59	-32.59	Pass
802.11n (HT40)	SISO	2422	1	-2.75	-32.75	Pass
		2437	1	-4.23	-34.23	Pass
		2452	1	-4.07	-34.07	Pass

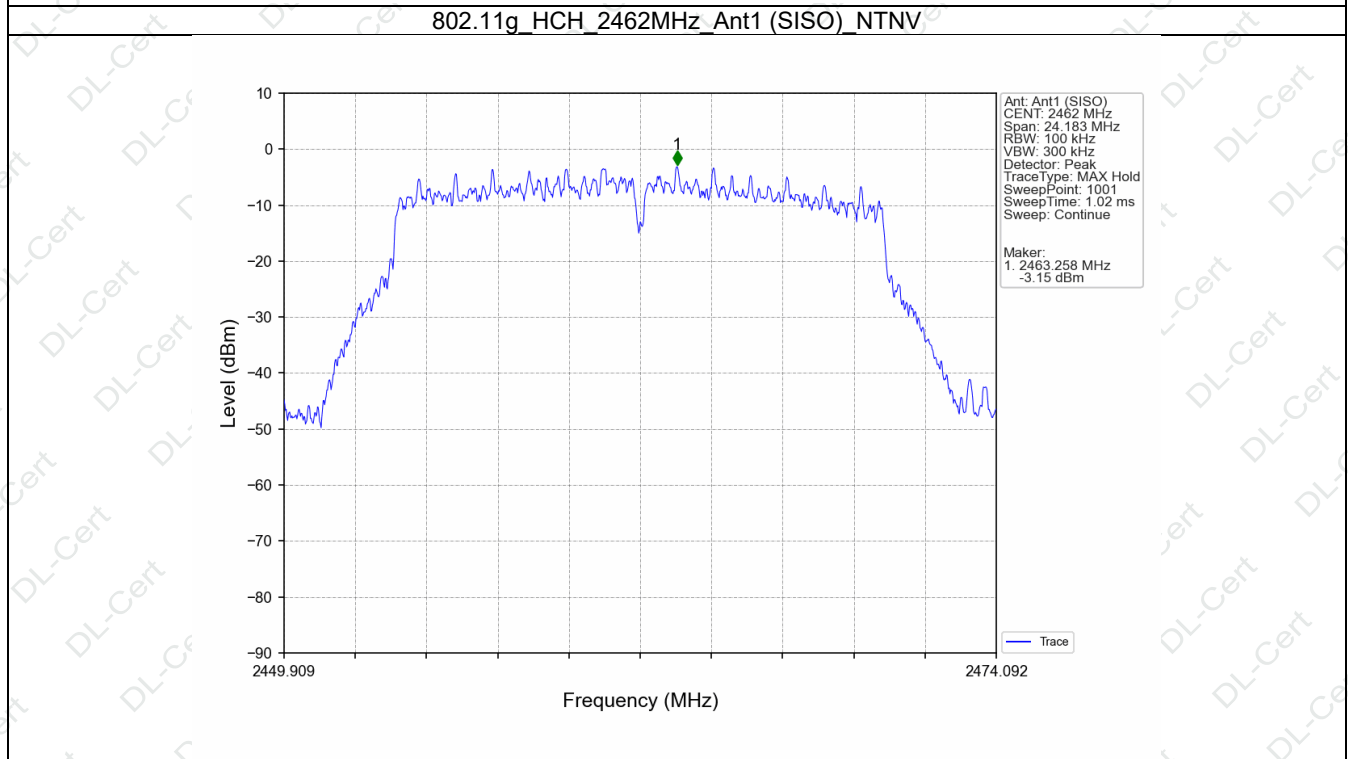
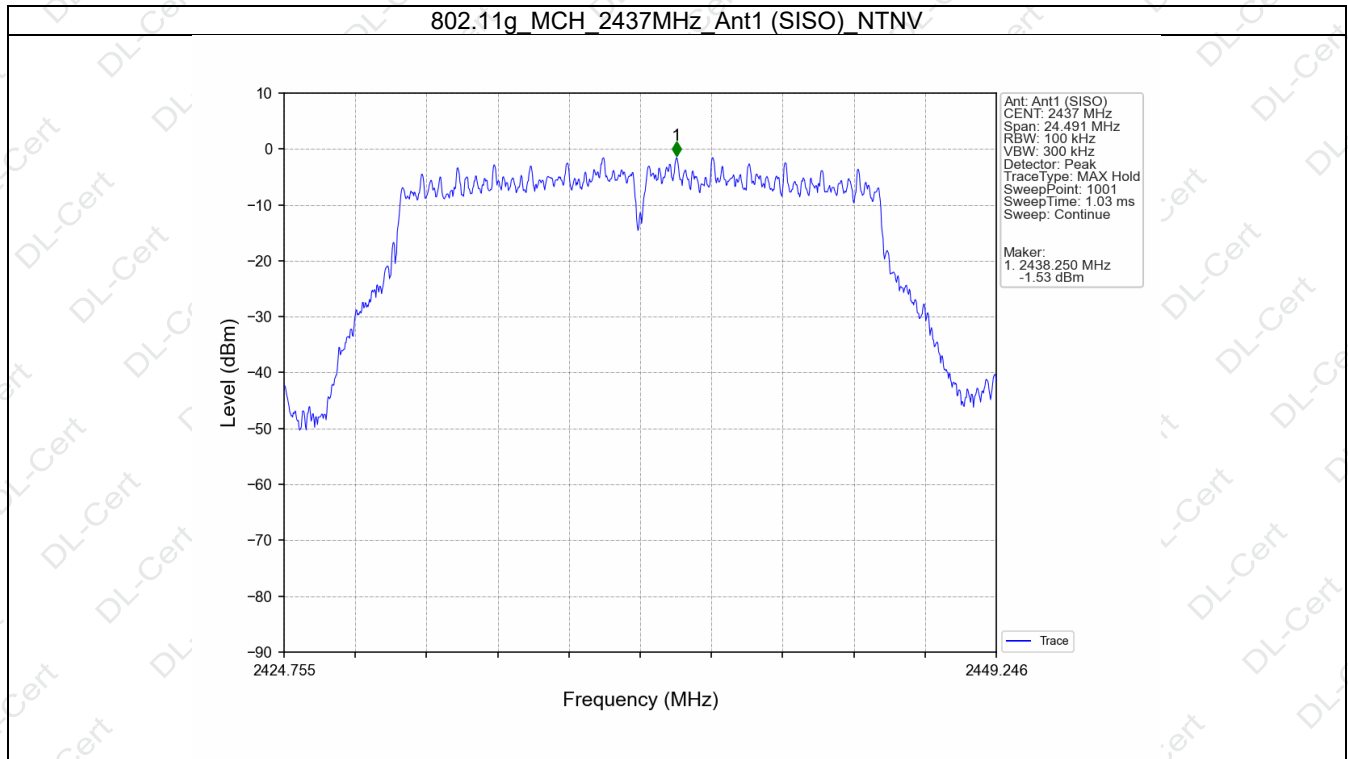
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

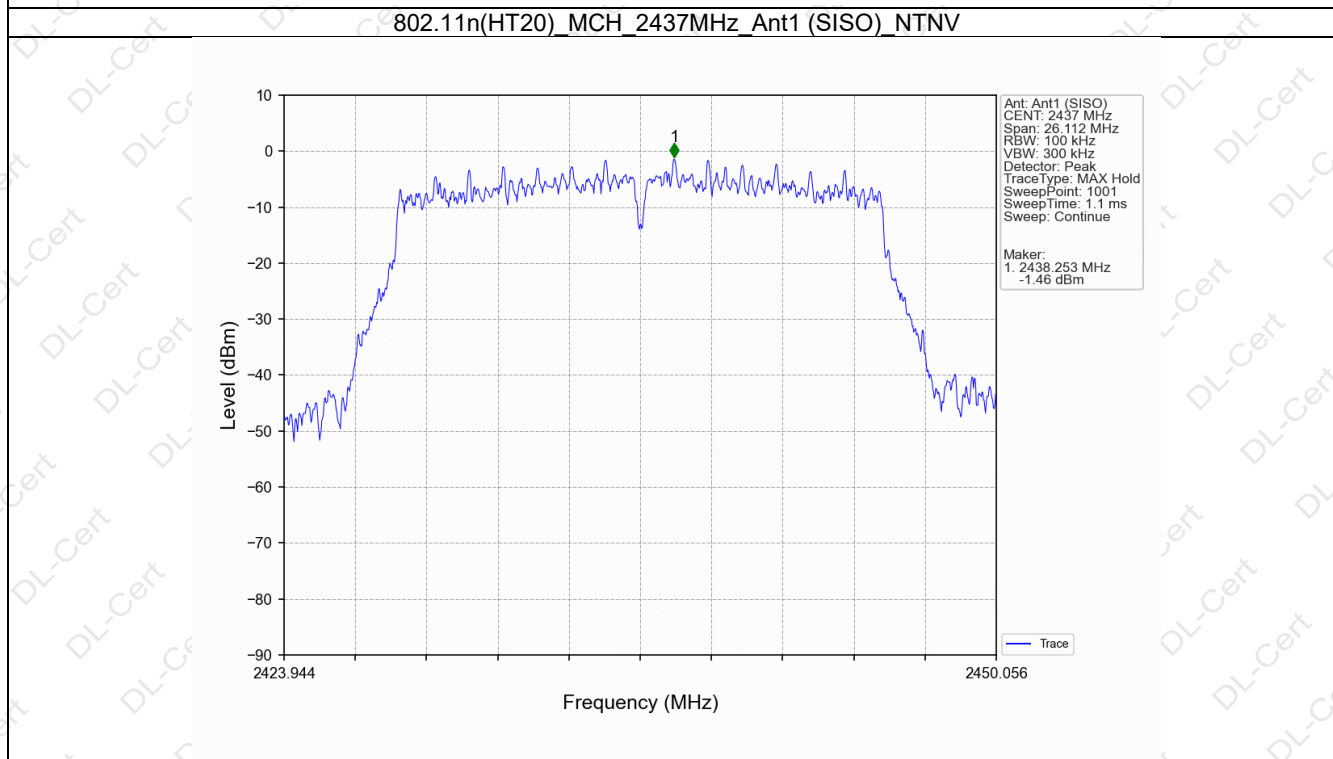
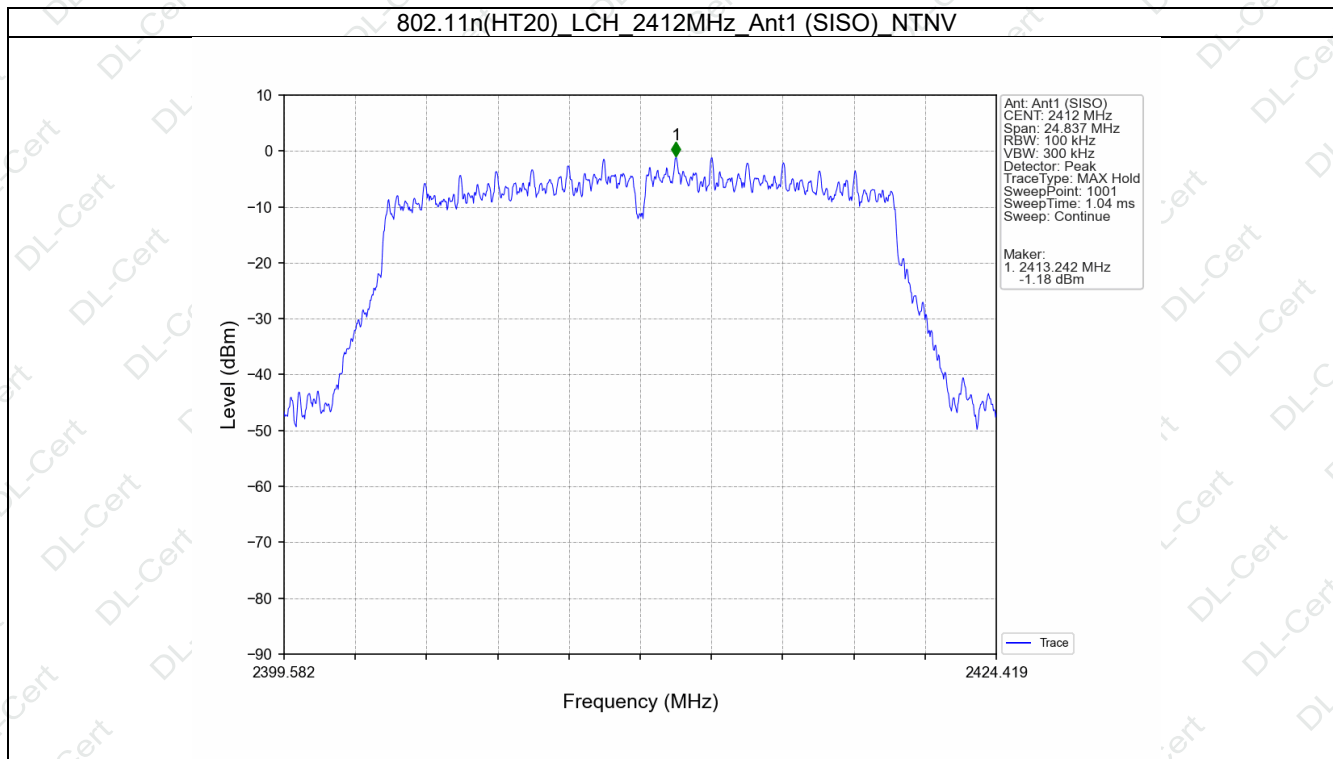
5.2 Test Graph

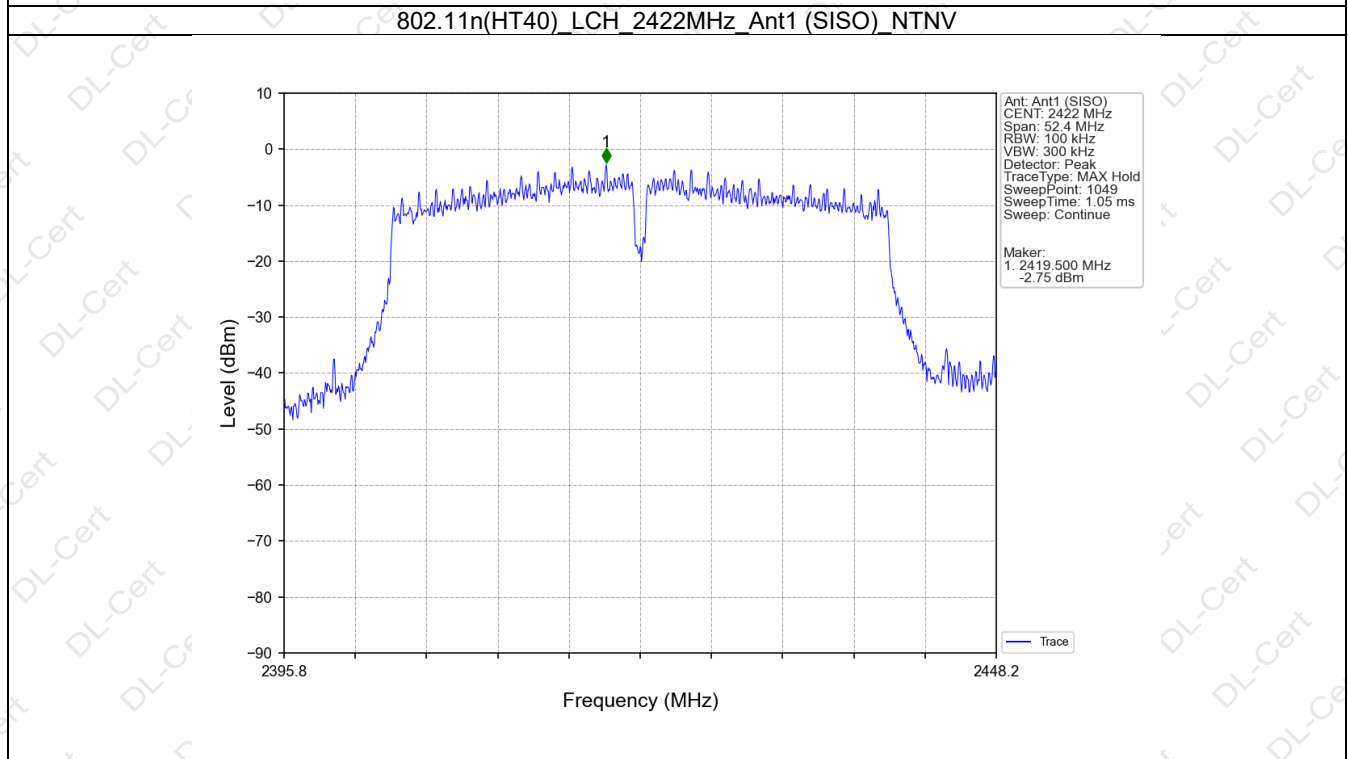
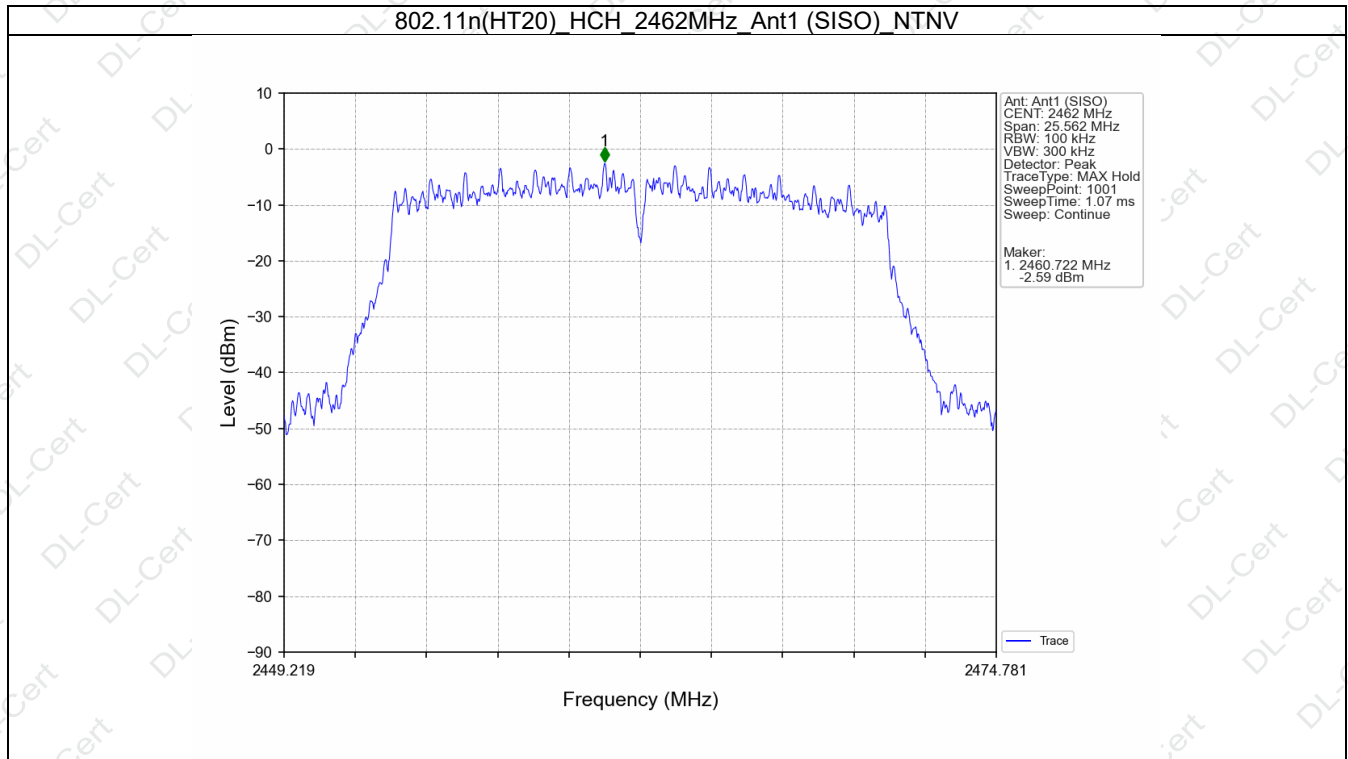
5.2.1 Ref

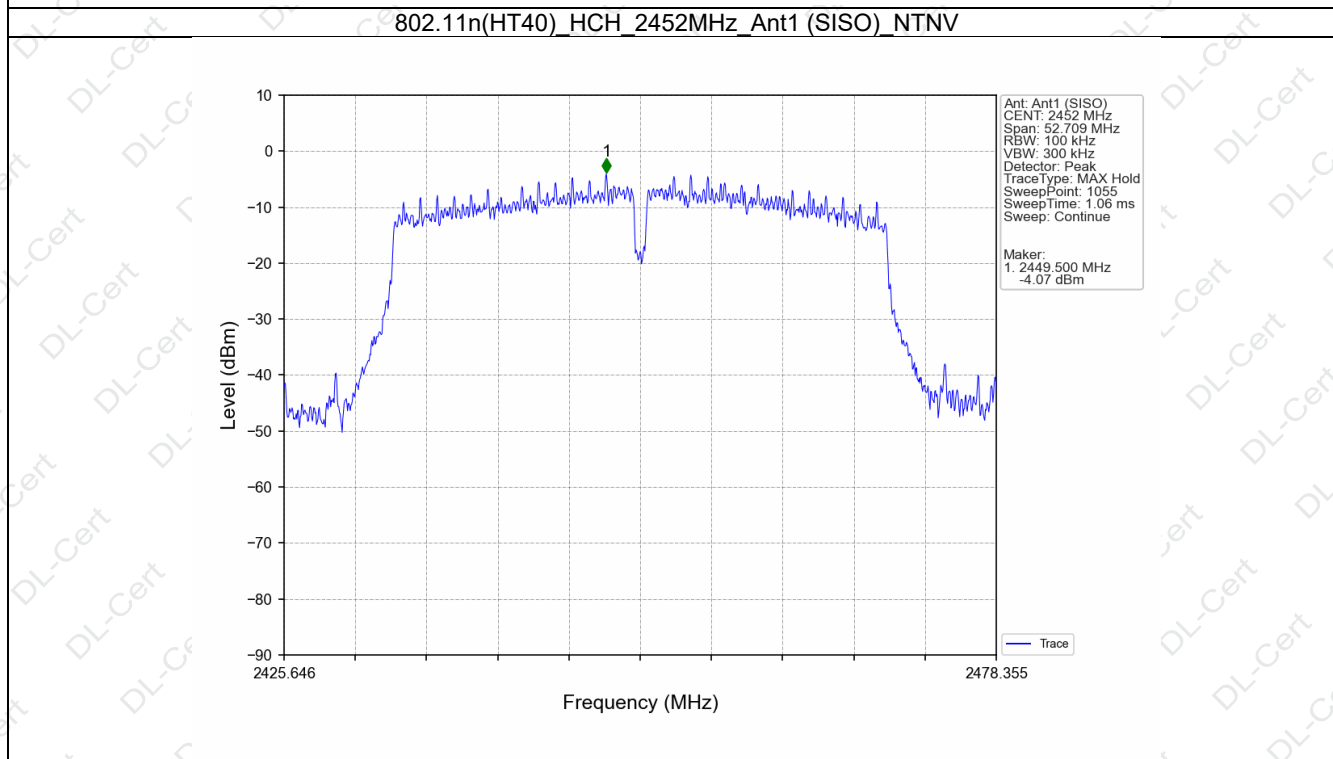
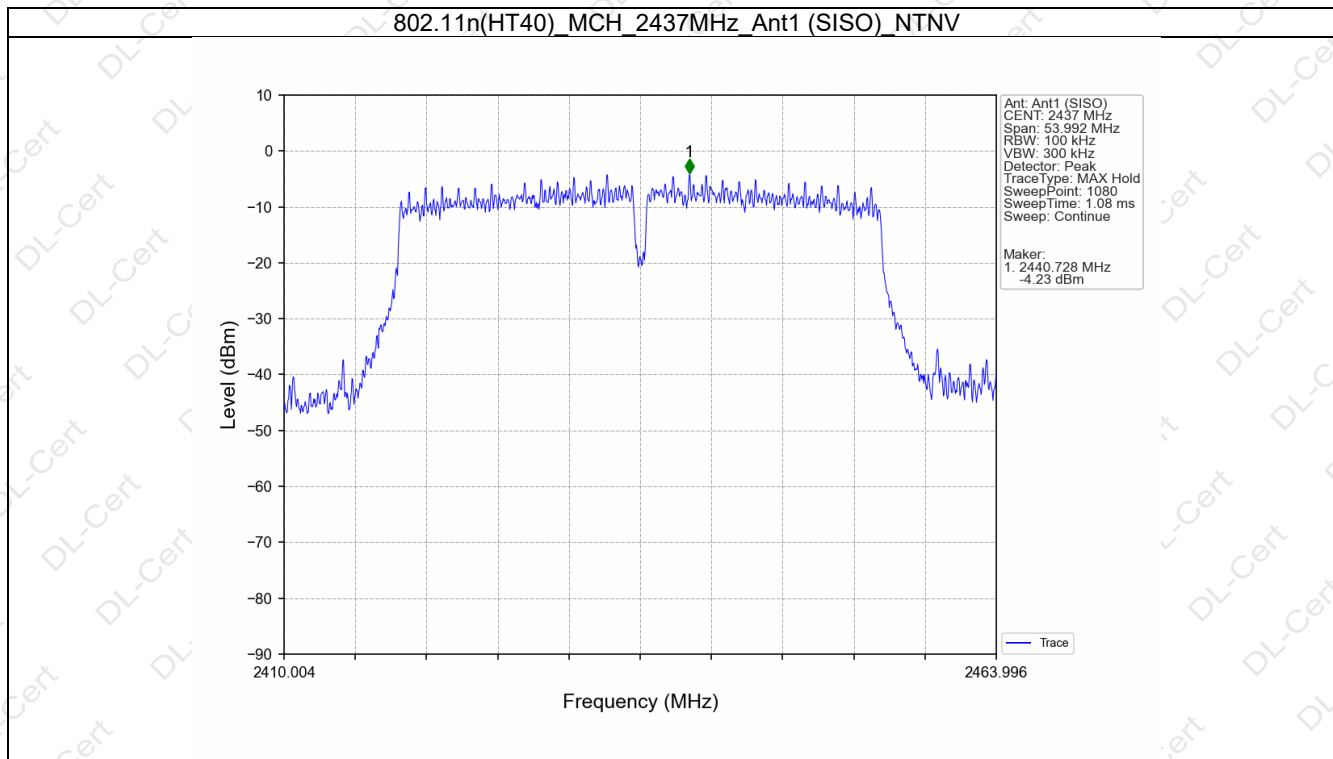




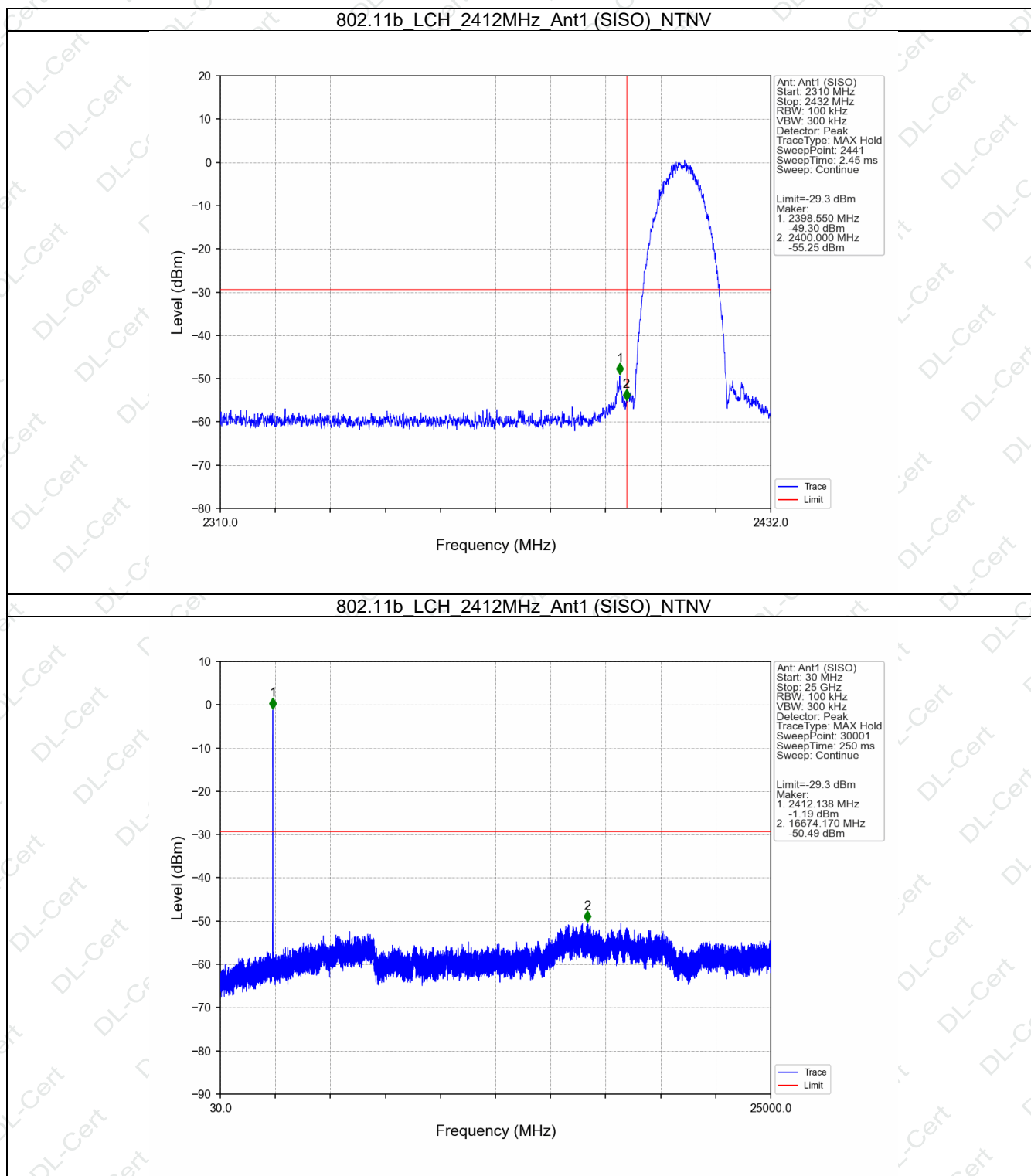


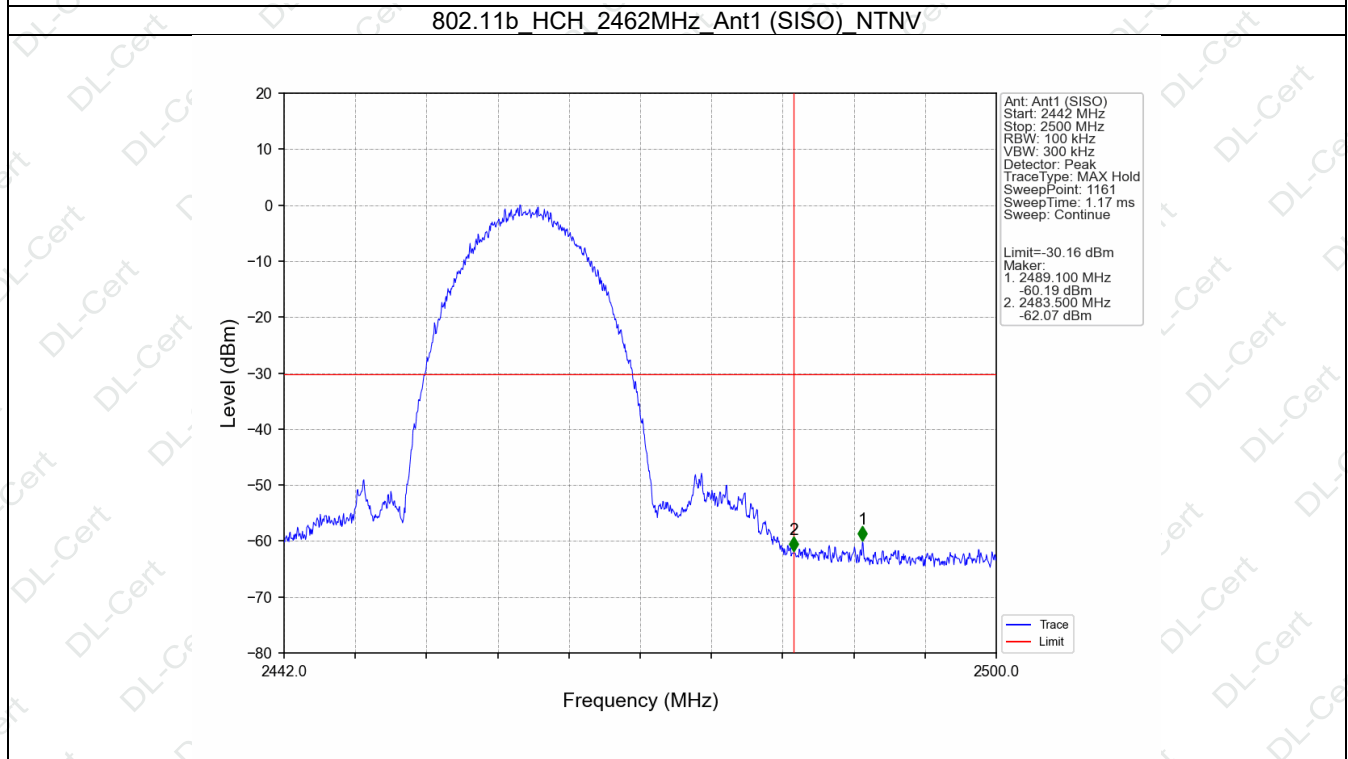
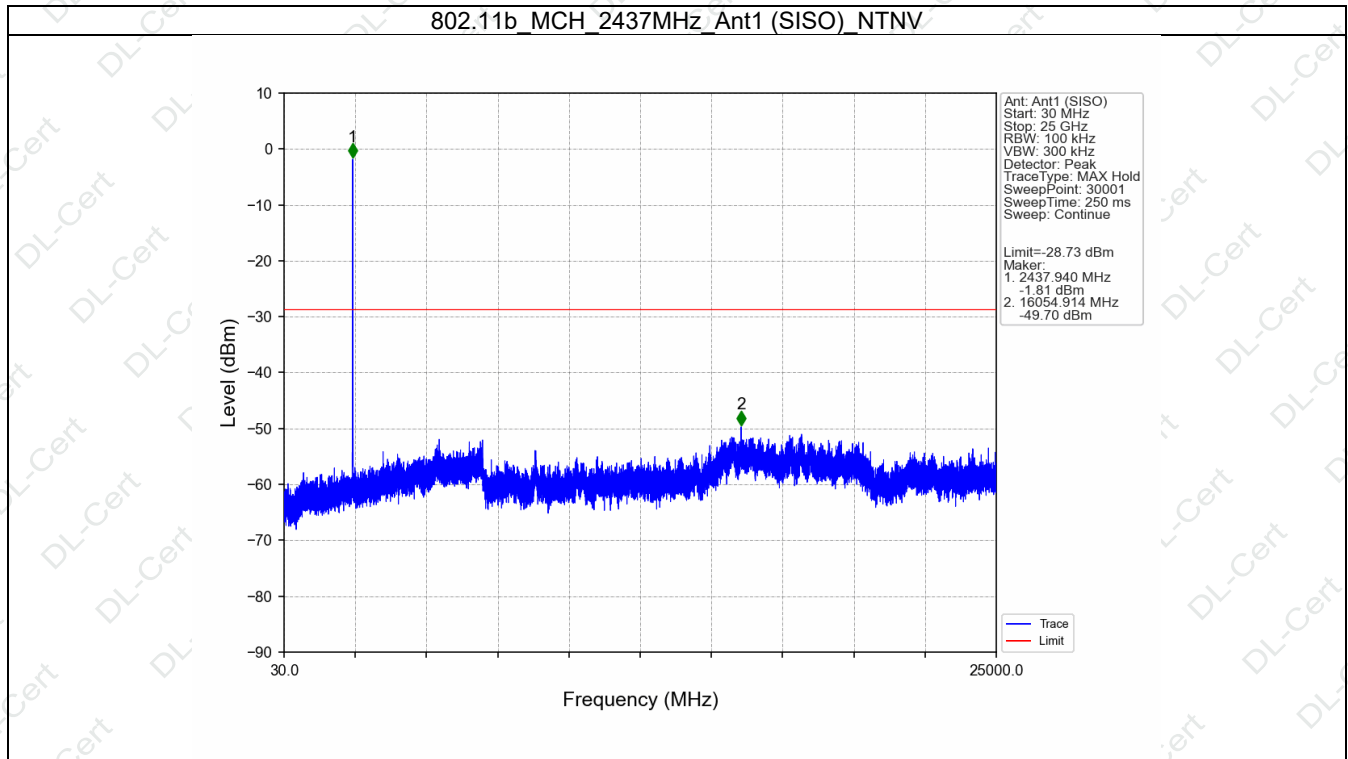


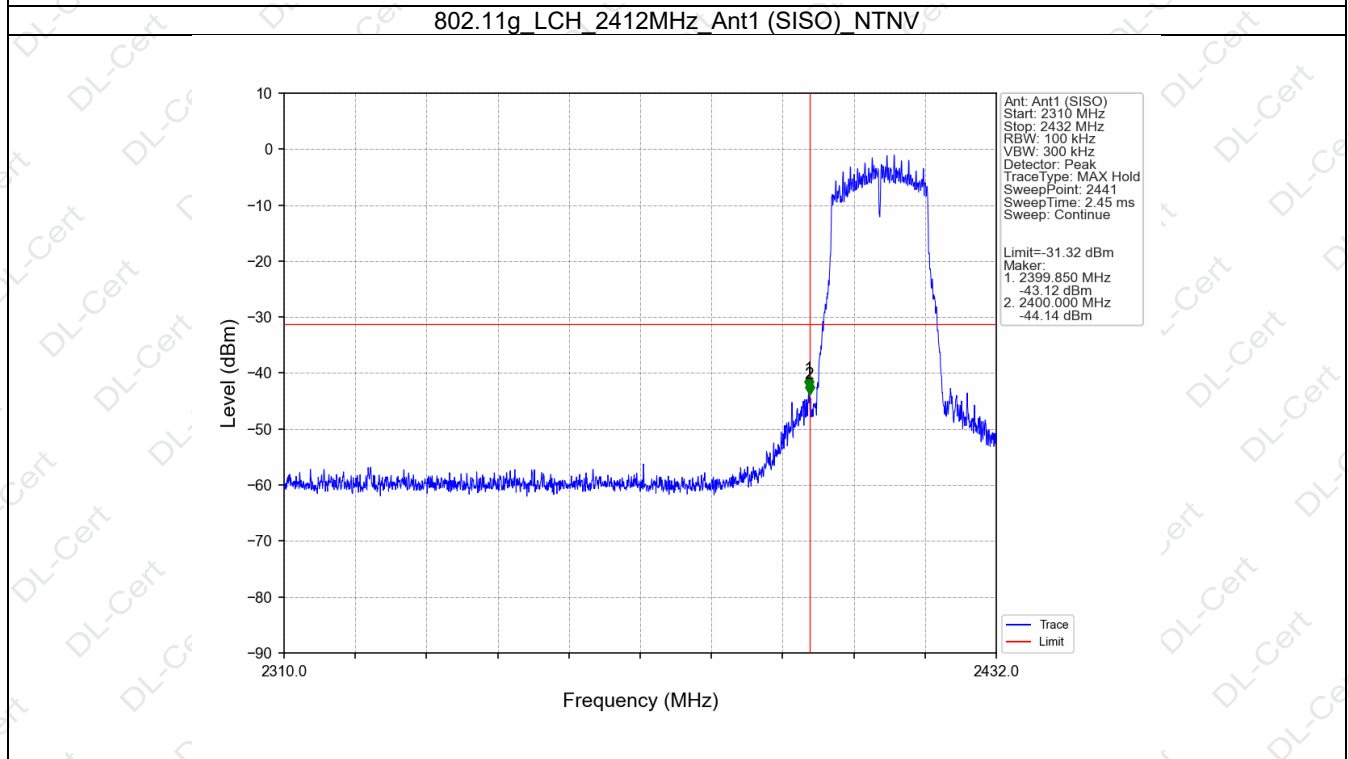
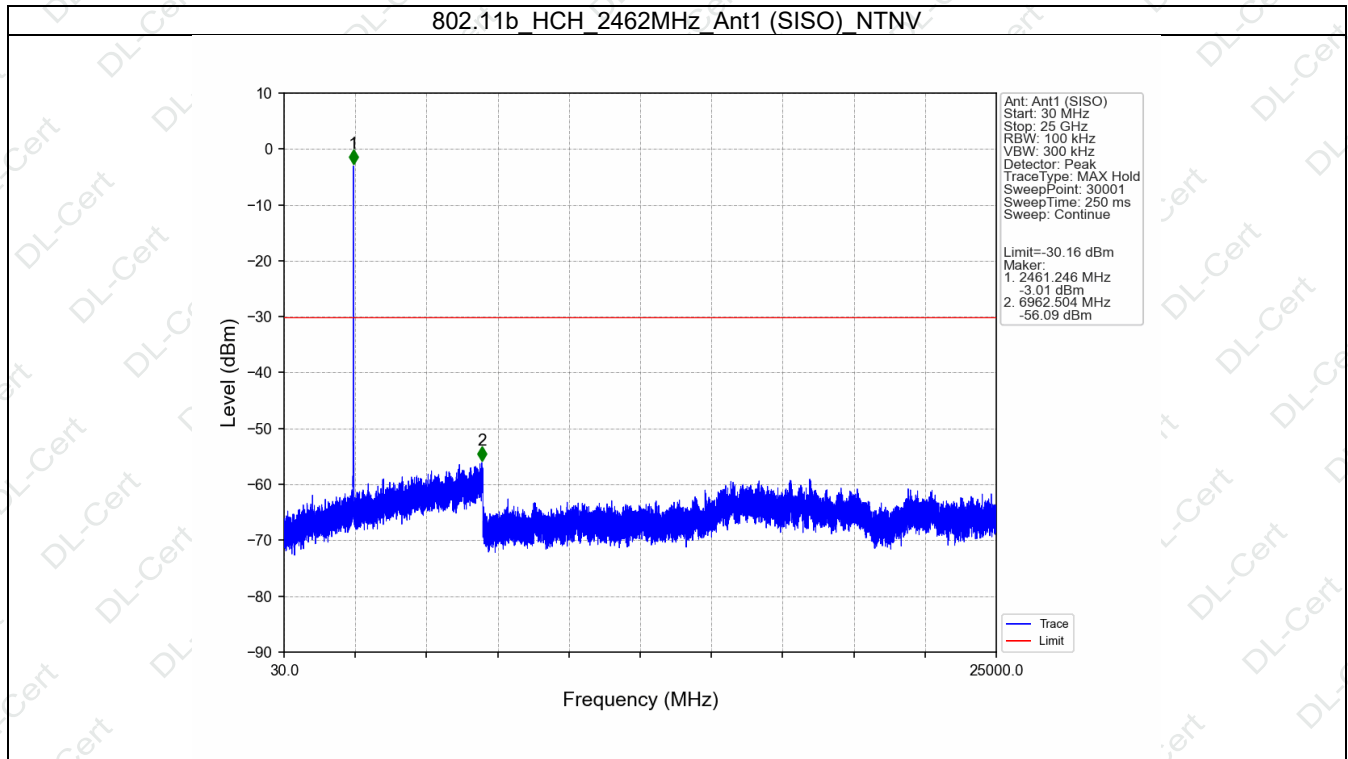




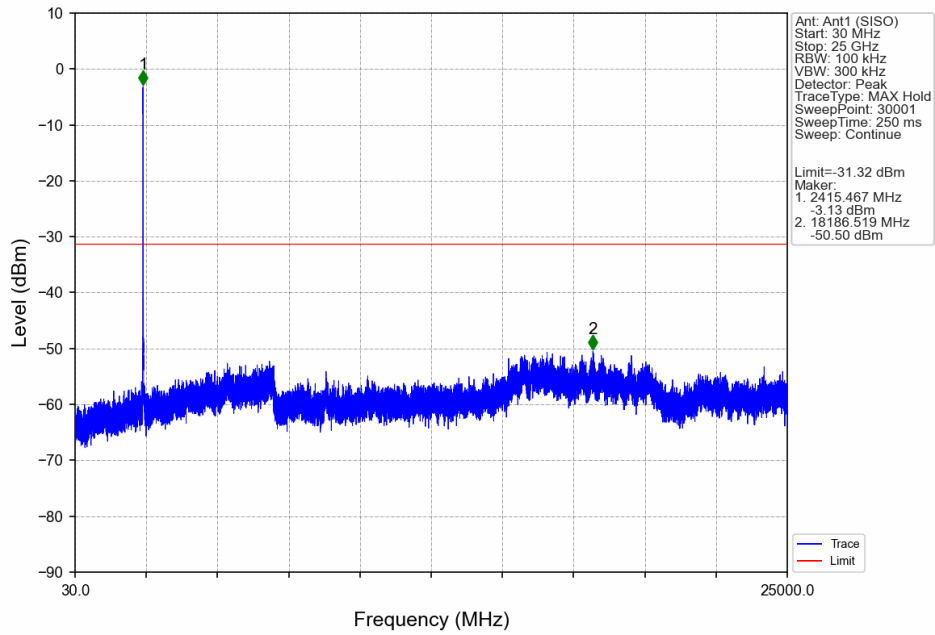
5.2.2 CSE



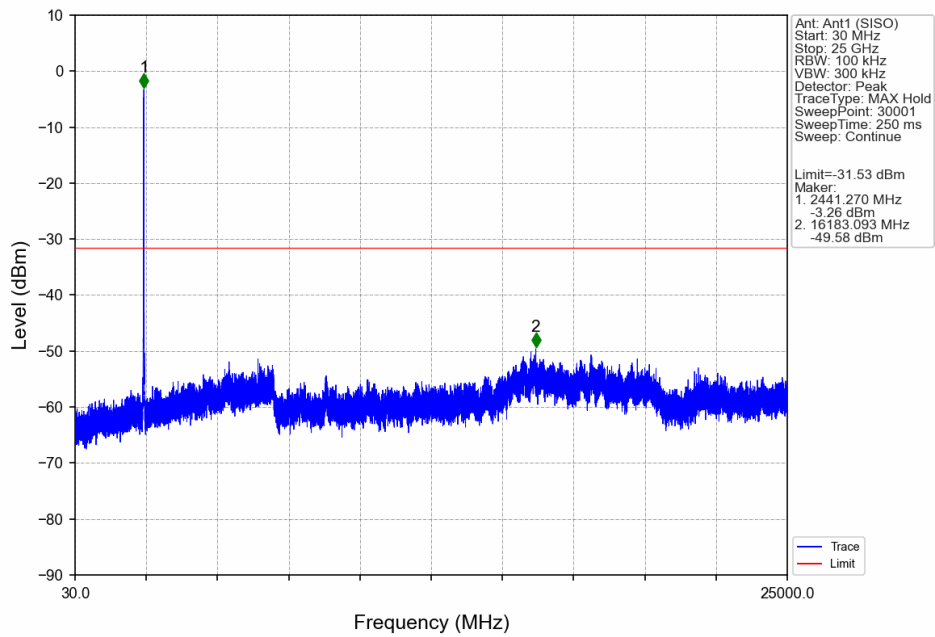


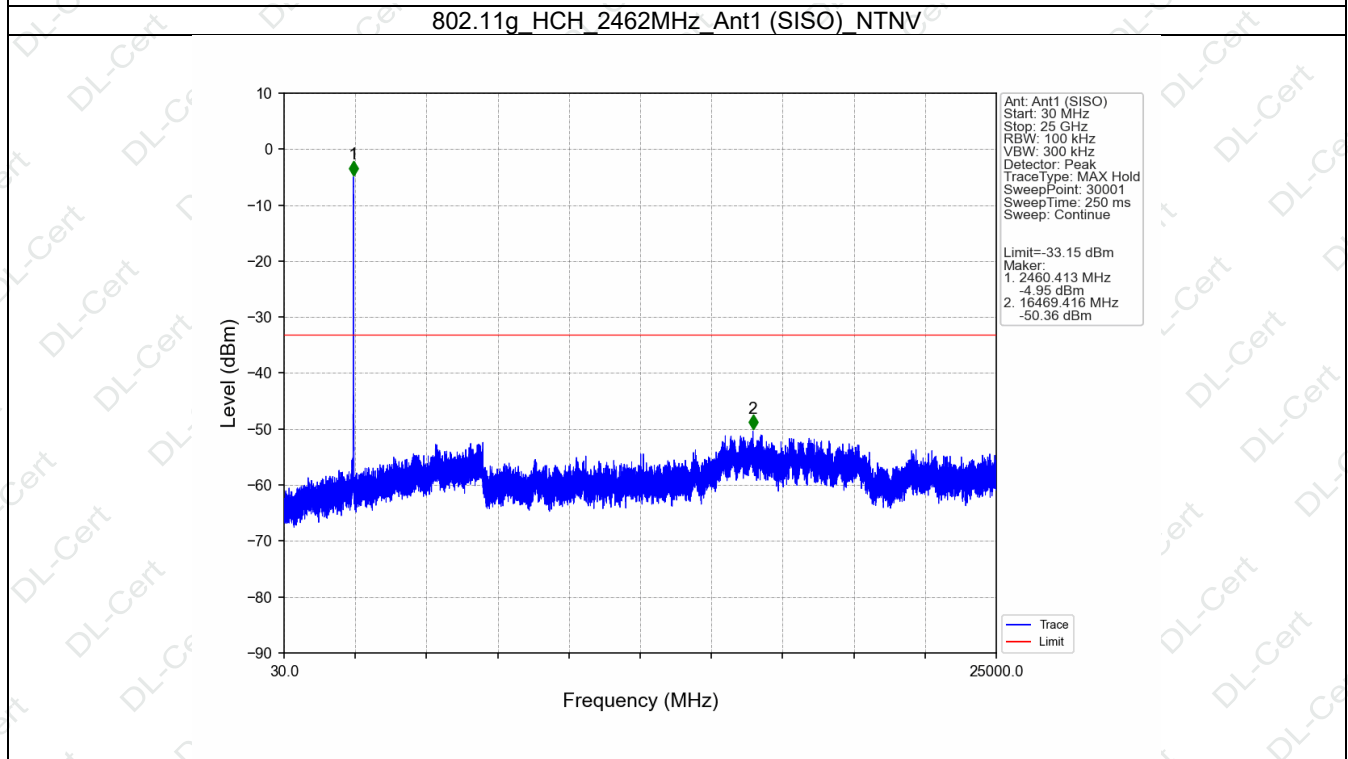
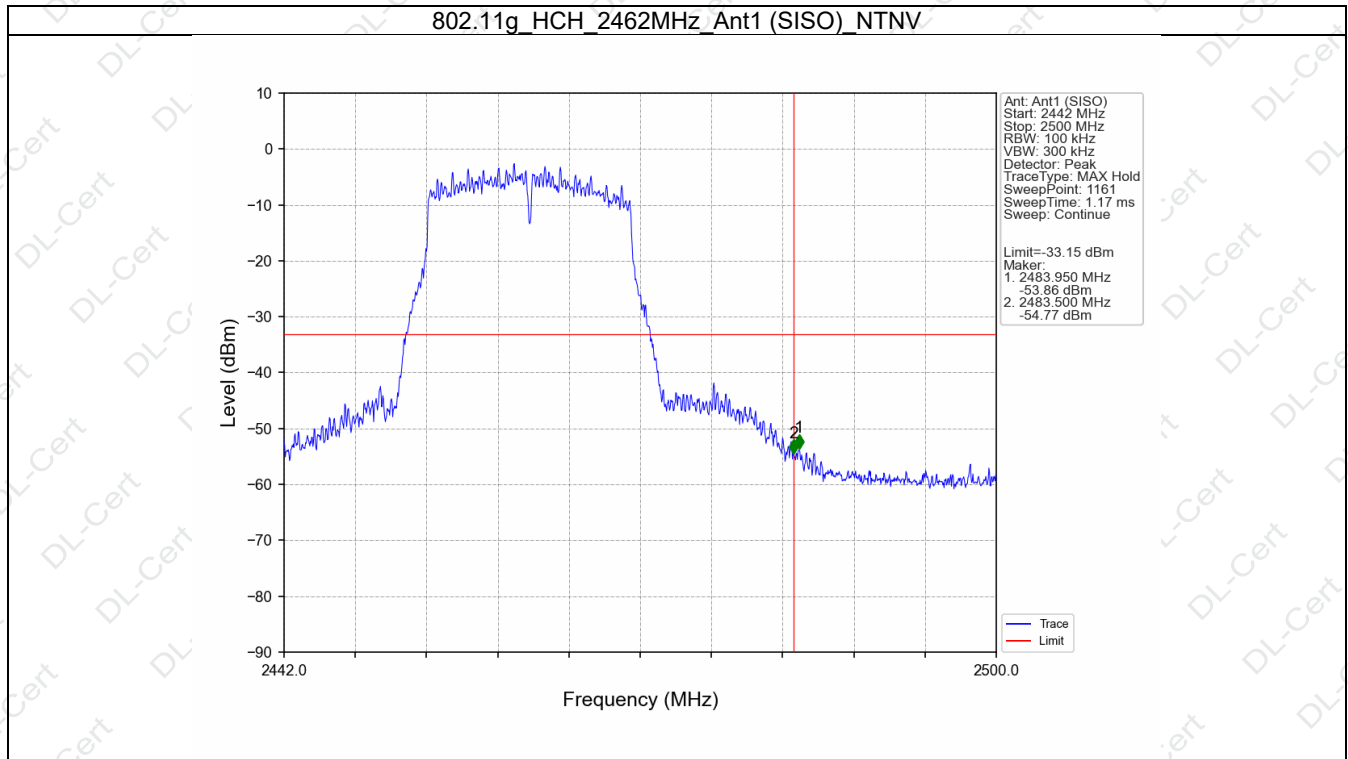


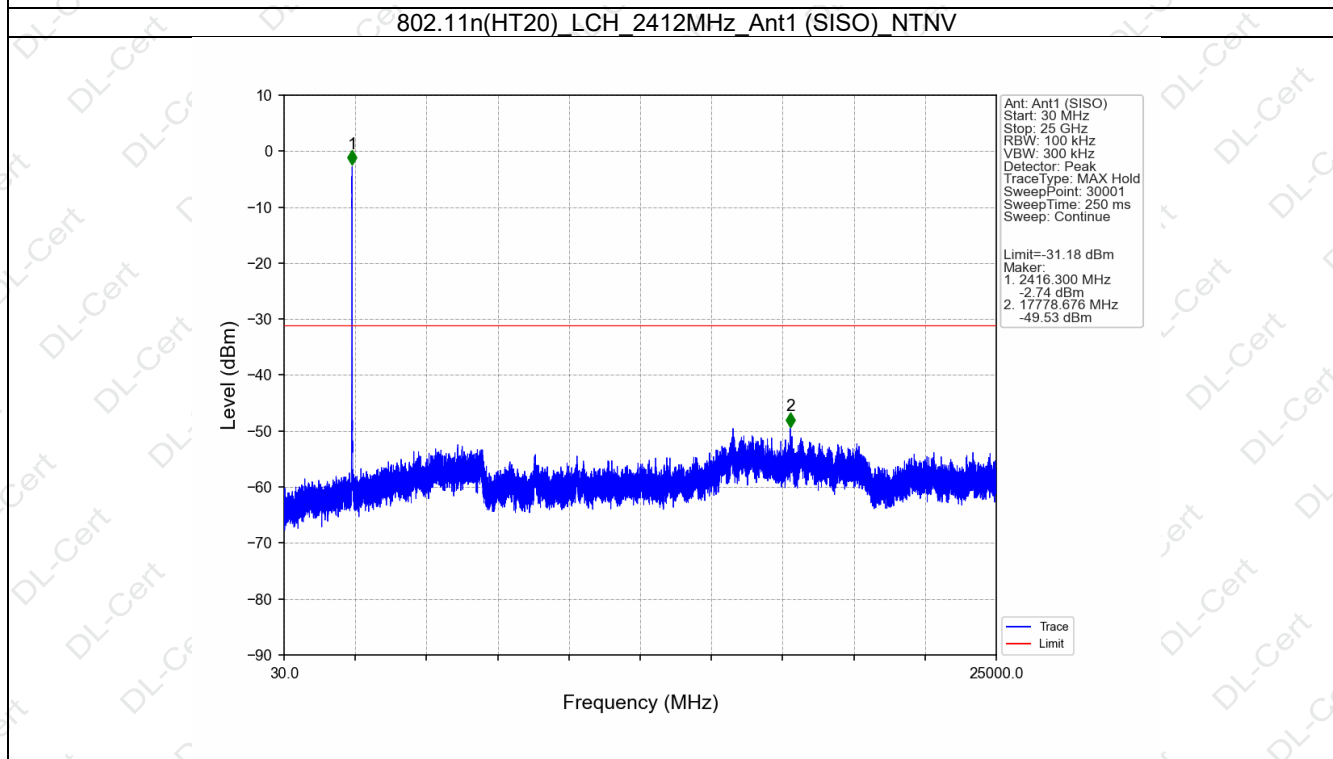
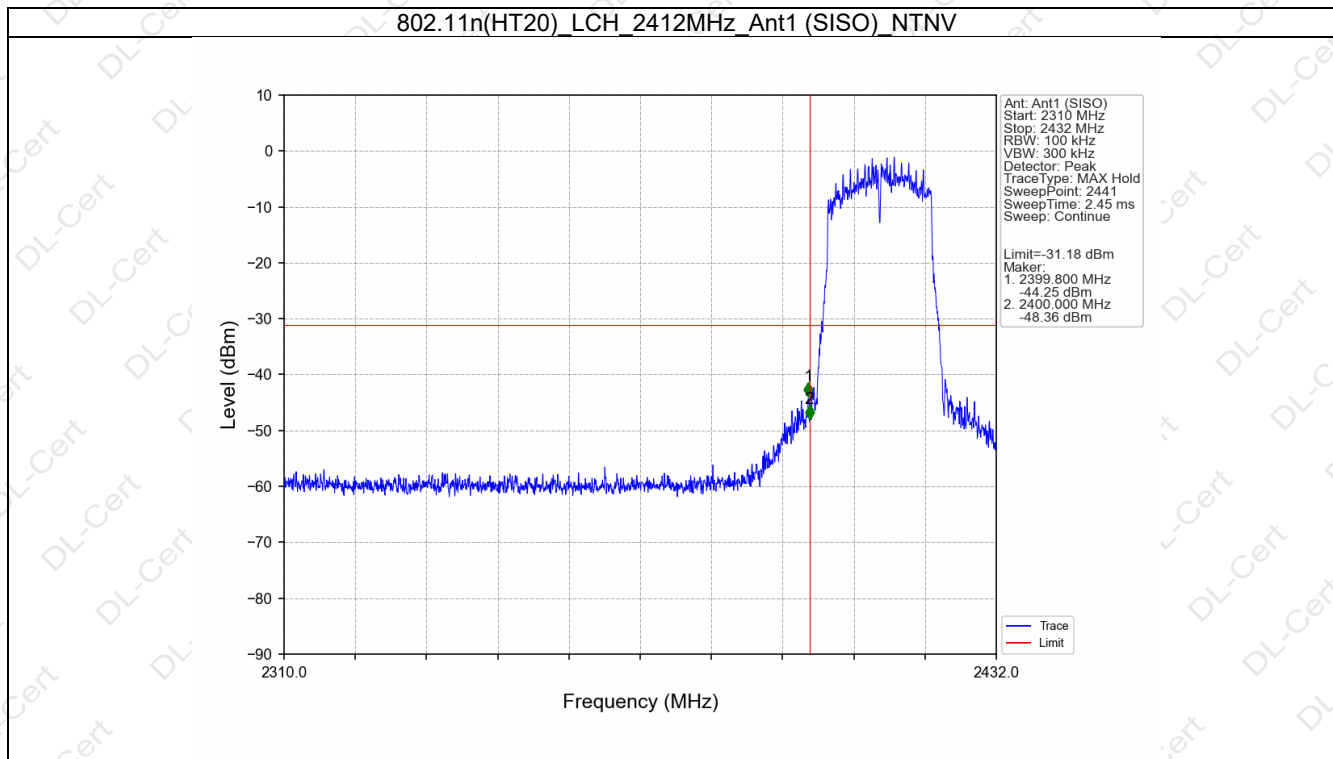
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

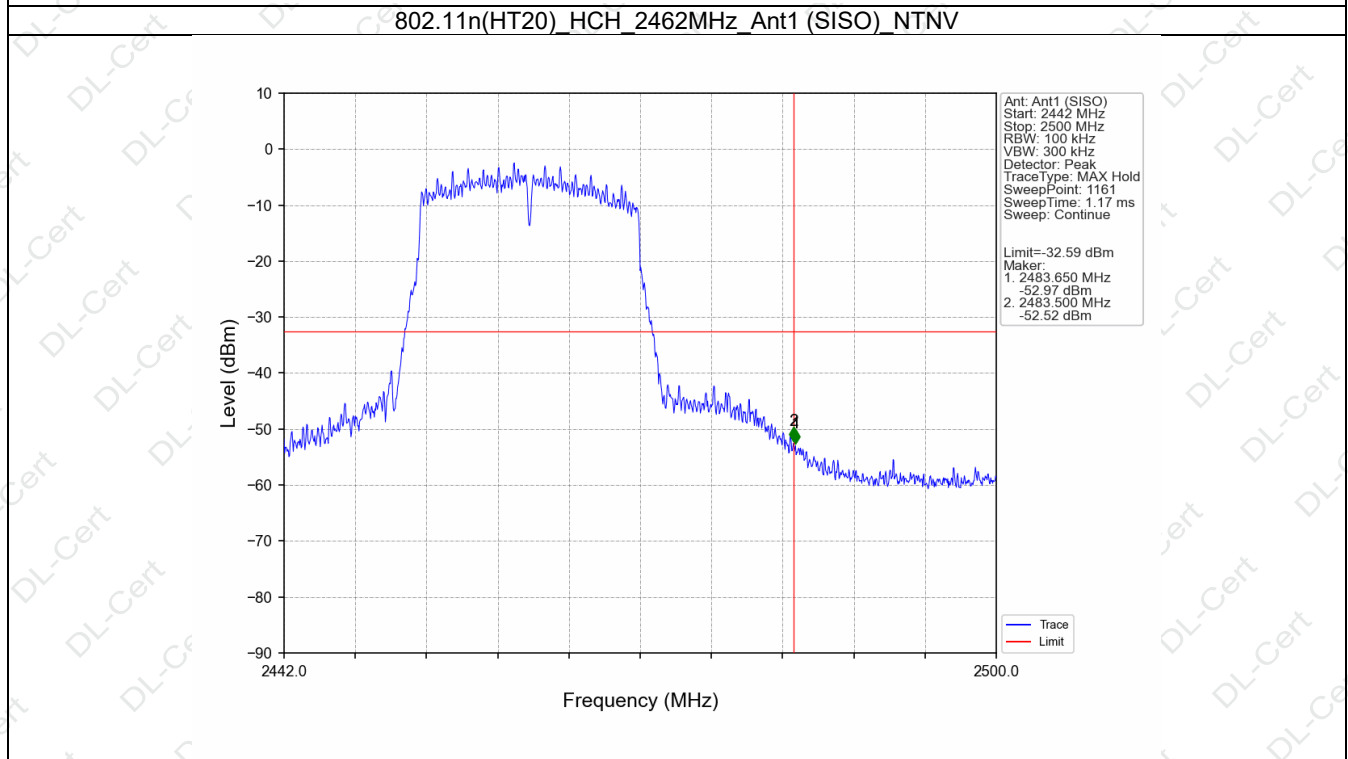
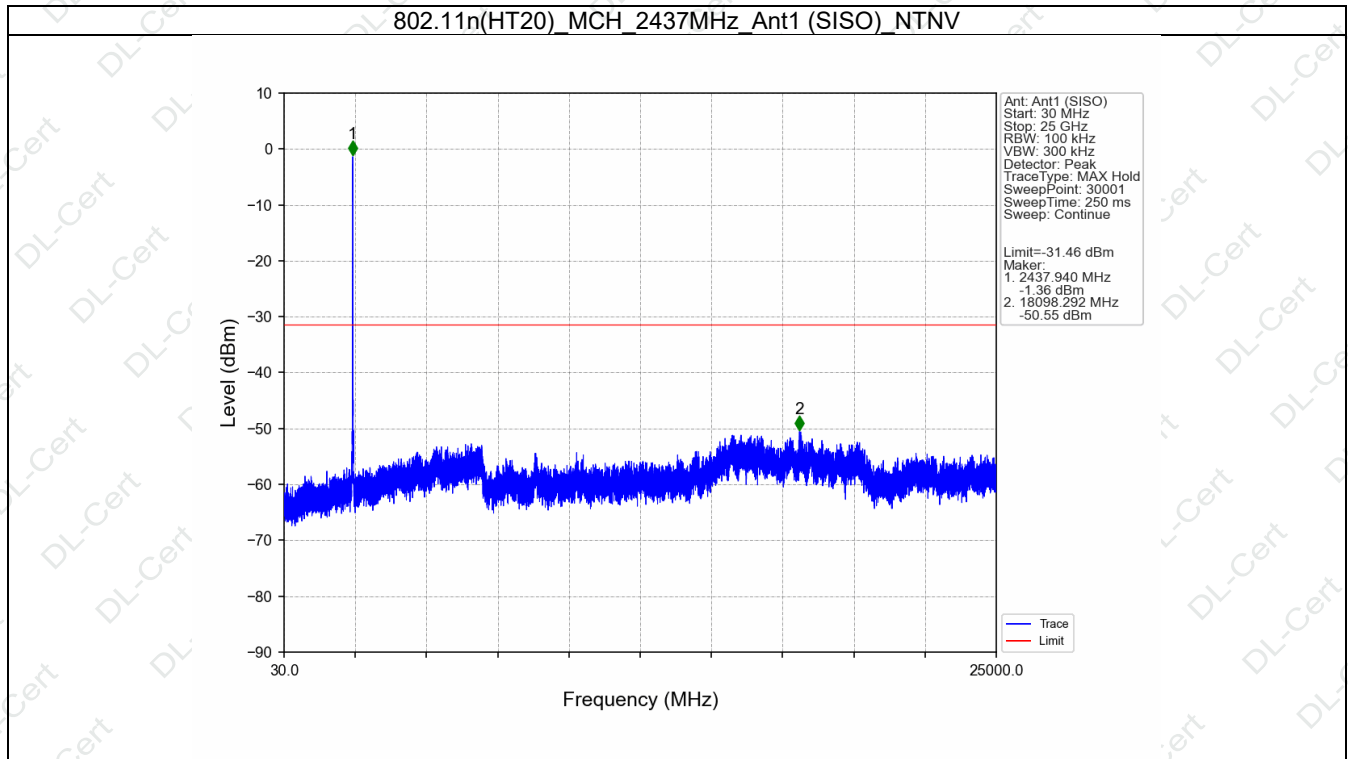


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

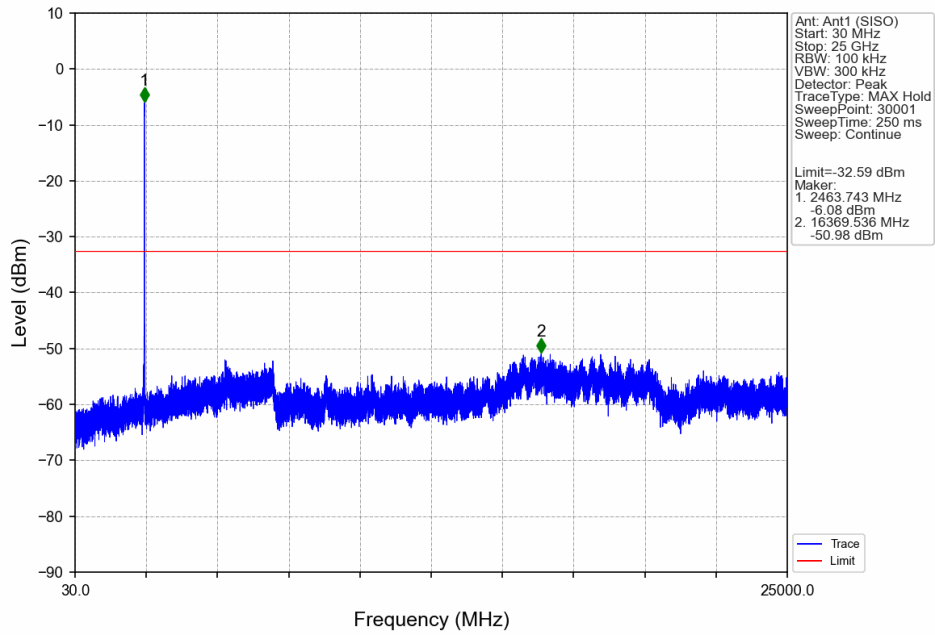




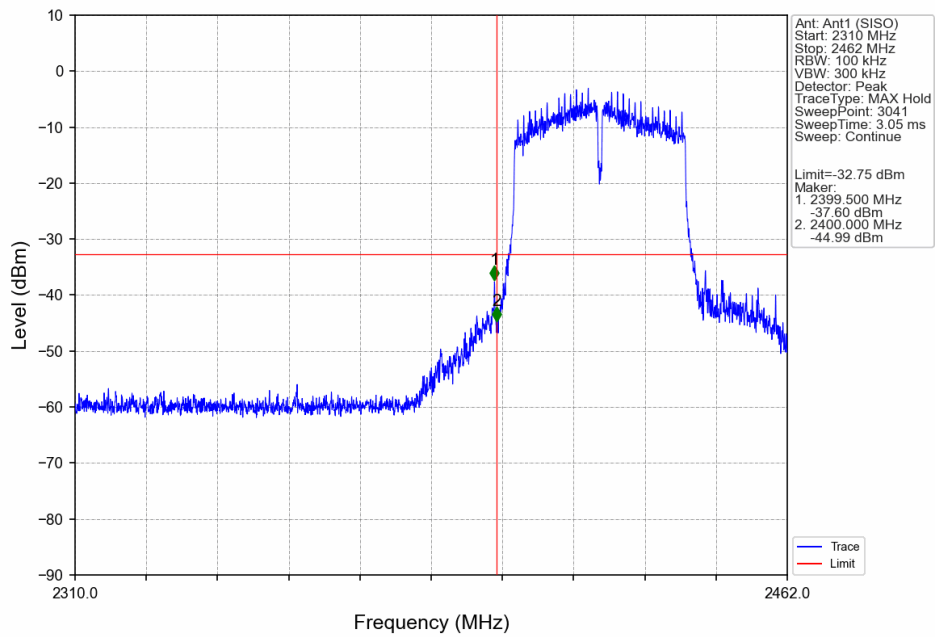




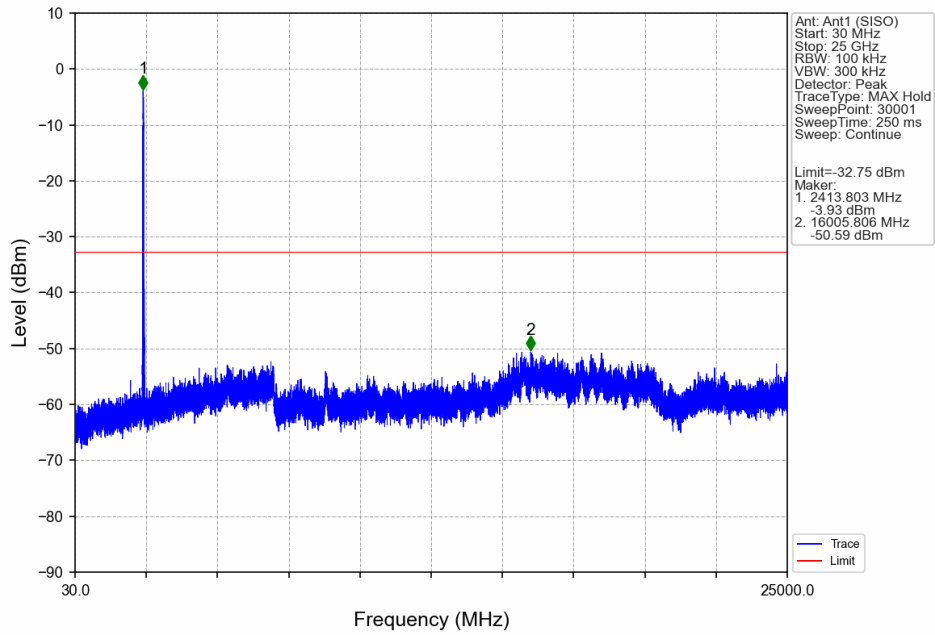
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

