

Appendix Test Data for WLAN(2.4G) (Conducted Measurement)

Product Name: LotteryLink

Trade Mark: IGT

Test Model:PI1IGTLL000100

FCC ID: 2BMMMPI1IGTLL000100

Environmental Conditions

Temperature:	23.2℃
Relative Humidity:	52%
ATM Pressure:	100.0 kPa
Test Engineer:	Tony luo
Supervised by:	Max zhang
NOTE	N/A

1. Duty Cycle

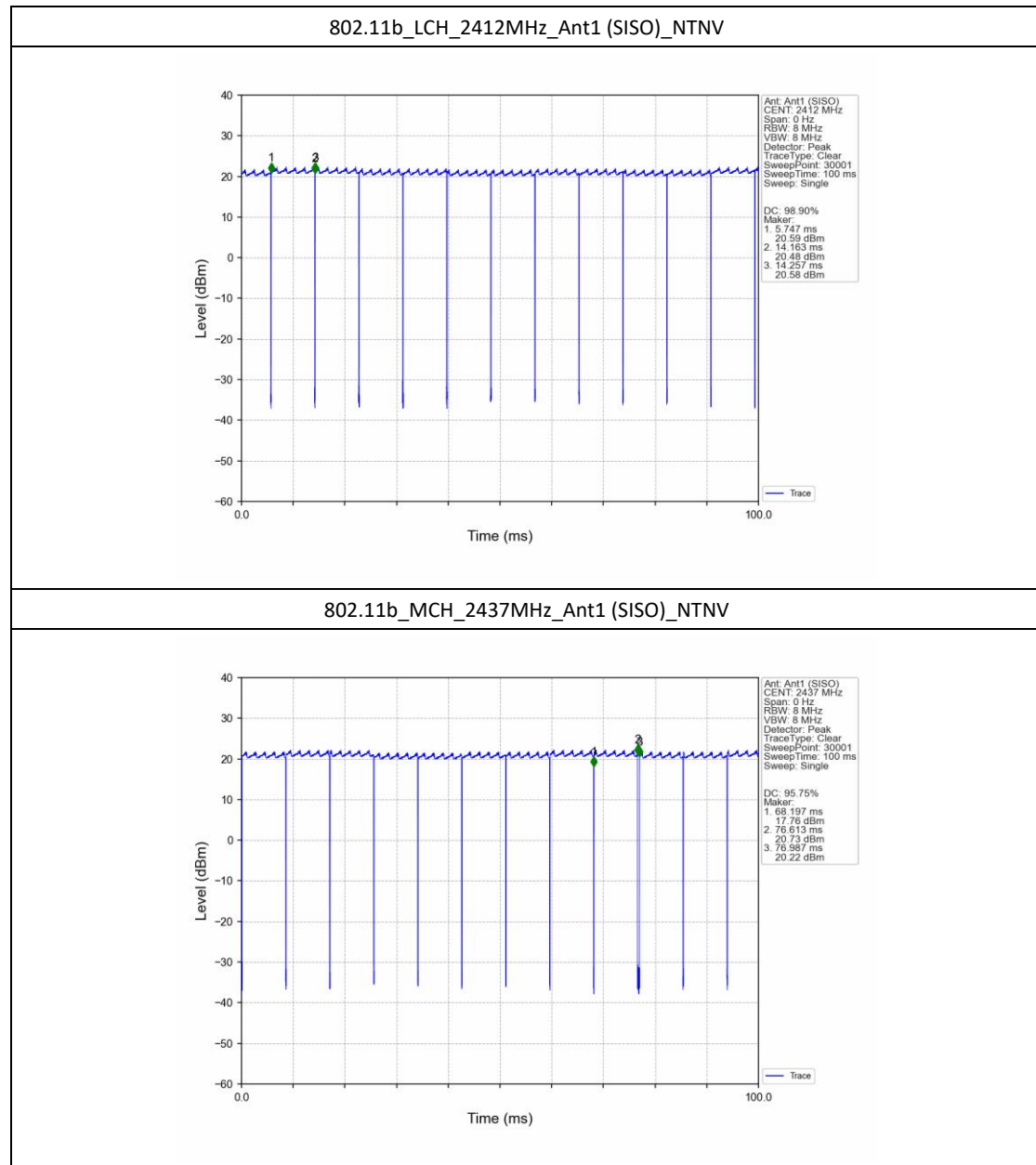
1.1 Test Result

1.1.1 Ant1

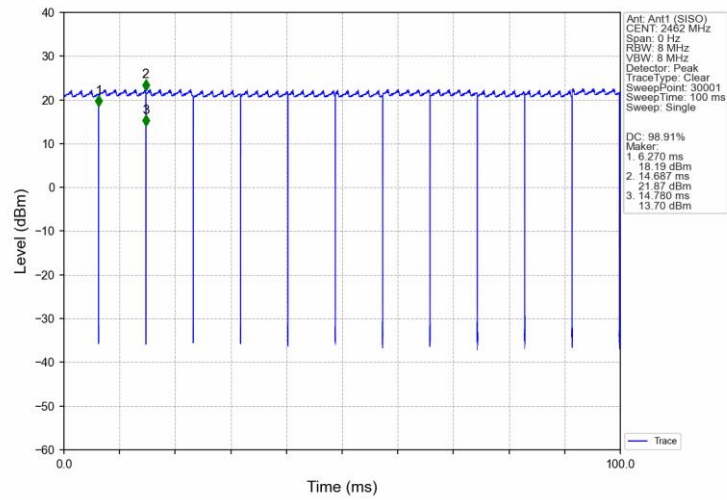
Ant1								
Mode	TX Type	Frequency (MHz)	RU	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	8.416	8.510	98.90	0.05	0.04
		2437	/	8.416	8.790	95.75	0.19	3.19
		2462	/	8.417	8.510	98.91	0.05	0.04
802.11g	SISO	2412	/	1.396	1.495	93.38	0.30	0.03
		2437	/	1.398	1.496	93.45	0.29	0.03
		2462	/	1.397	1.496	93.38	0.30	0.00
802.11n (HT20)	SISO	2412	/	1.308	1.407	92.96	0.32	0.04
		2437	/	1.309	1.408	92.97	0.32	0.03
		2462	/	1.309	1.408	92.97	0.32	0.03
802.11ax (HEW20)	SISO	2412	SU	1.021	1.121	91.08	0.41	0.06
		2437	SU	1.021	1.121	91.08	0.41	0.04
		2462	SU	1.021	1.121	91.08	0.41	0.06

1.2 Test Graph

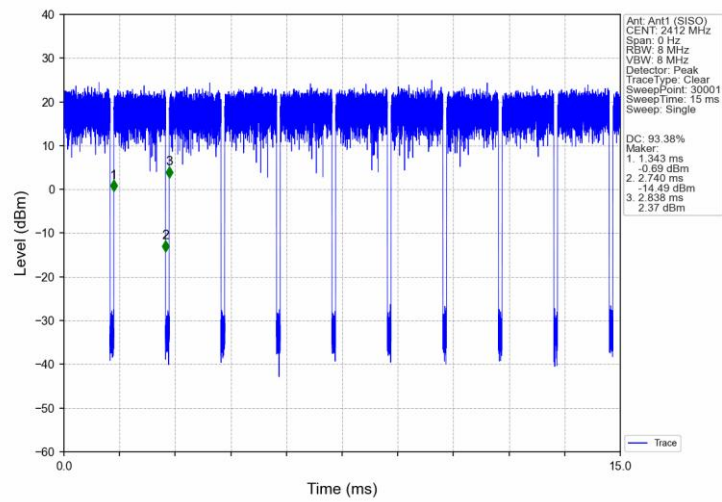
1.2.1 Ant1



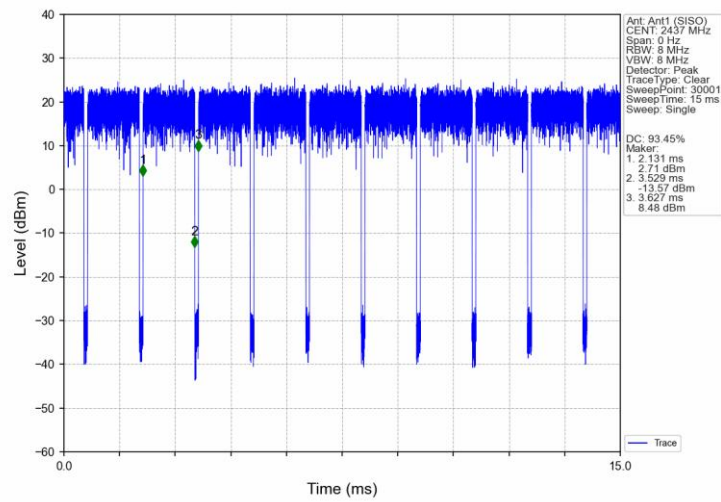
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



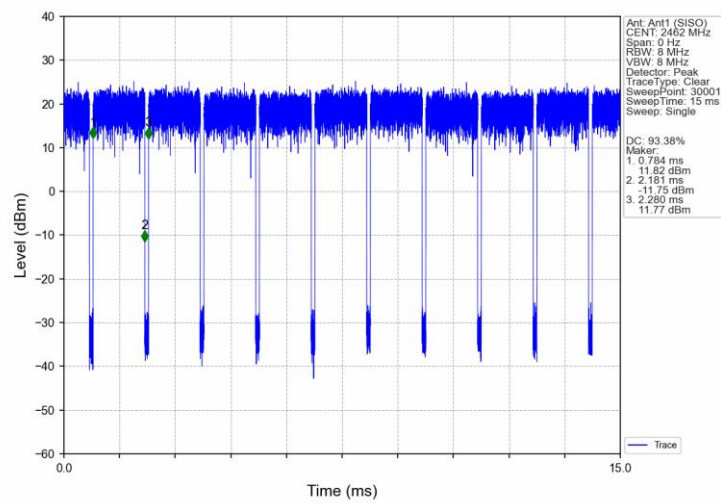
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



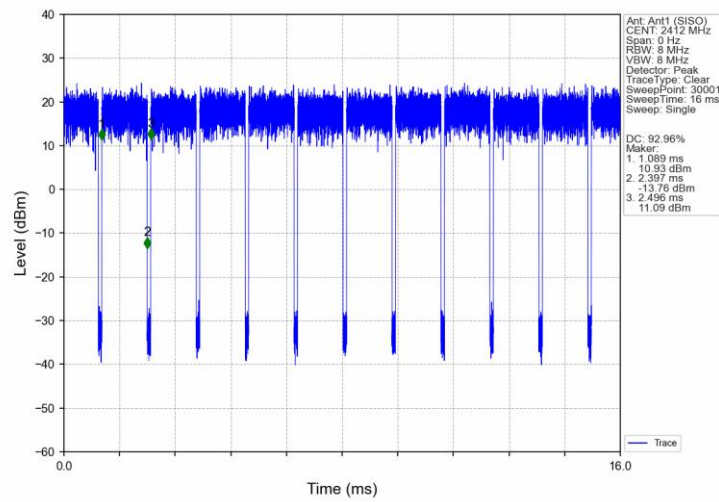
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



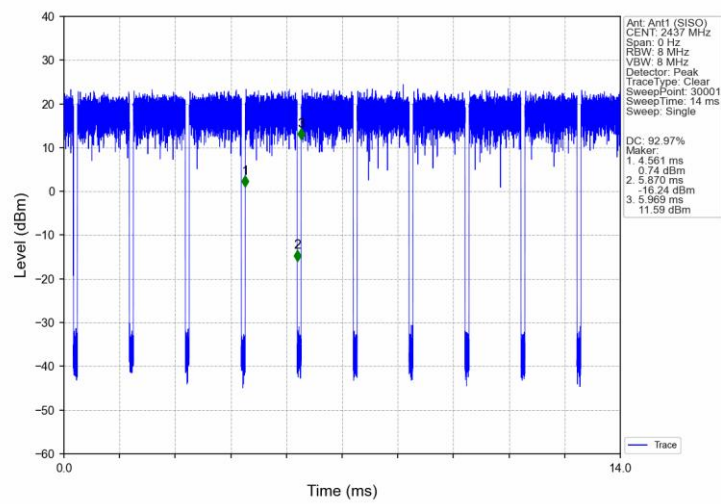
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



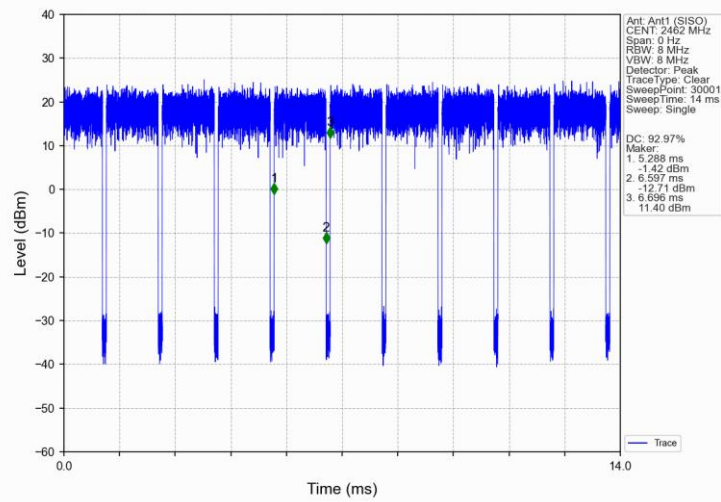
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



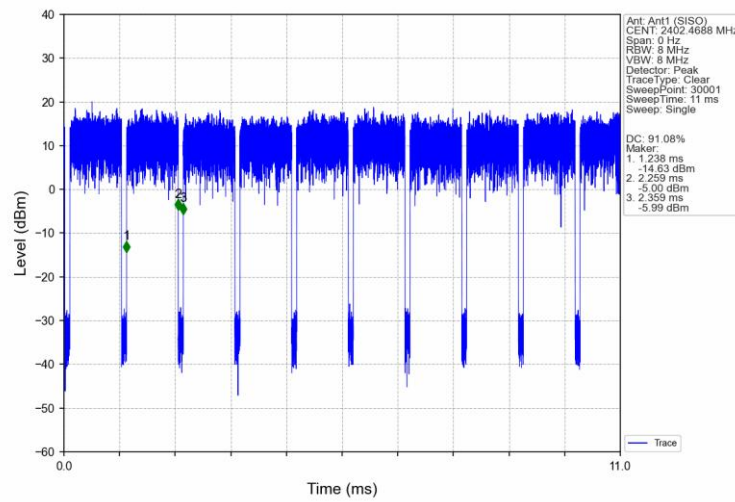
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



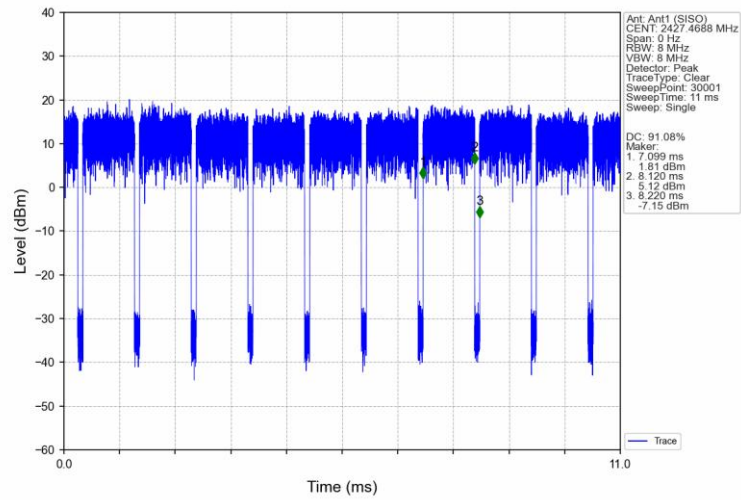
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



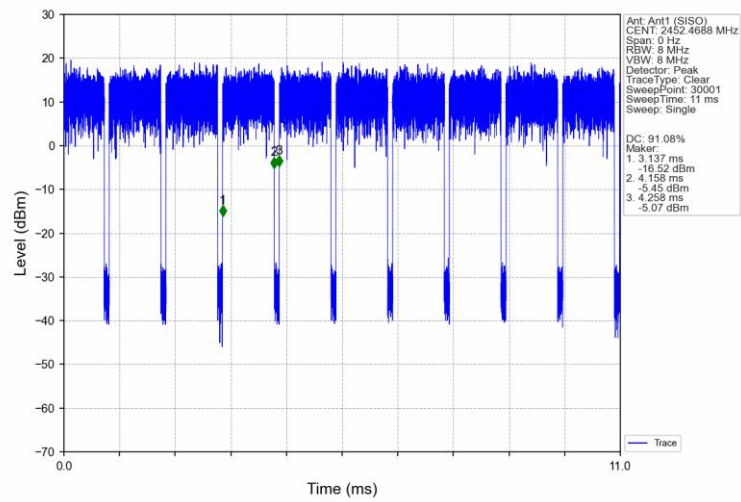
802.11ax(HEW20)_LCH_2412MHz_SU_Ant1 (SISO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_SU_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_SU_Ant1 (SISO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

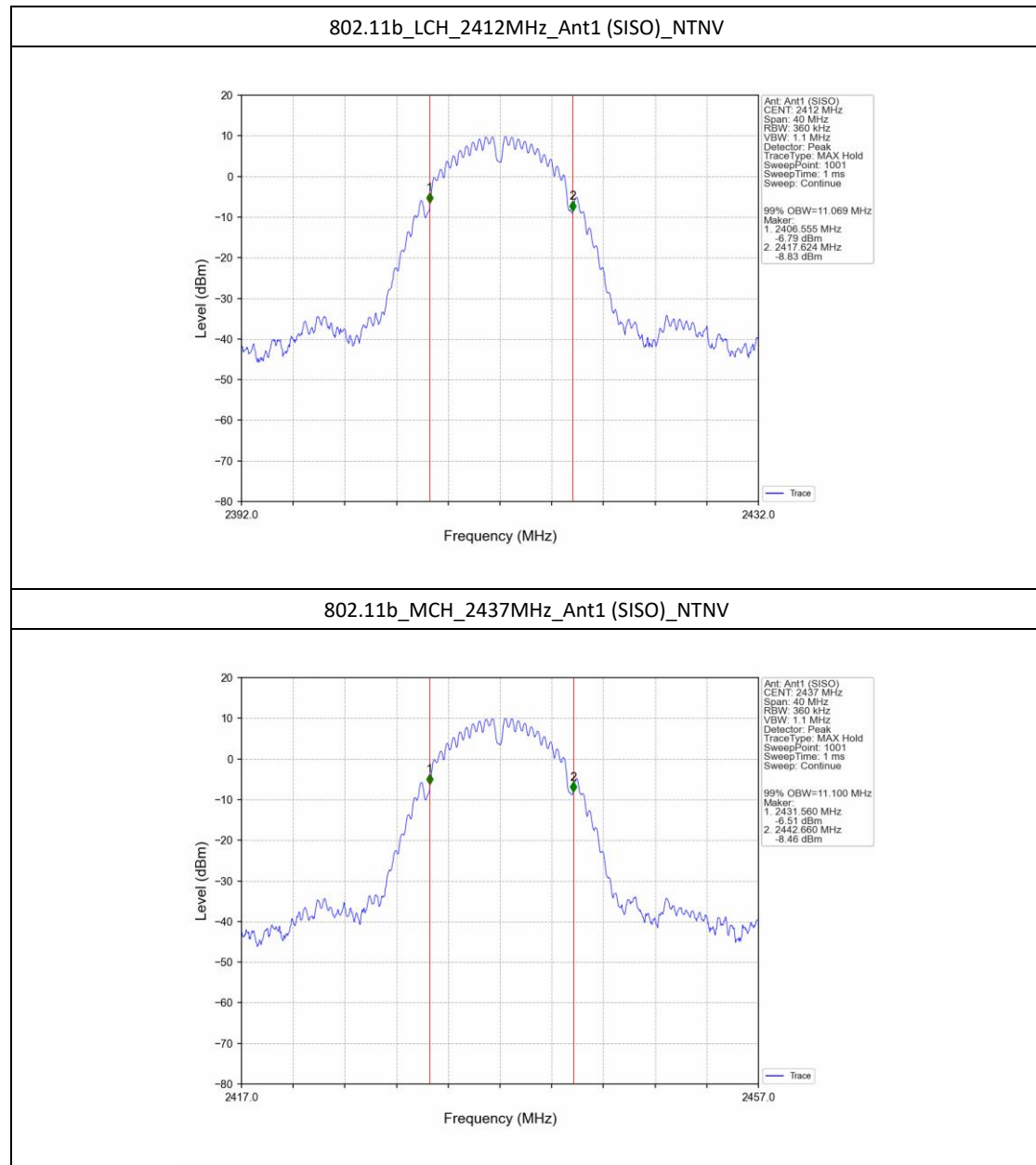
Mode	TX Type	Frequency (MHz)	RU	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
802.11b	SISO	2412	/	1	11.069	/	Pass
		2437	/	1	11.100	/	Pass
		2462	/	1	11.125	/	Pass
802.11g	SISO	2412	/	1	18.253	/	Pass
		2437	/	1	18.314	/	Pass
		2462	/	1	18.314	/	Pass
802.11n (HT20)	SISO	2412	/	1	19.172	/	Pass
		2437	/	1	21.470	/	Pass
		2462	/	1	19.207	/	Pass
802.11ax (HEW20)	SISO	2412	SU	1	19.192	/	Pass
		2437	SU	1	19.282	/	Pass
		2462	SU	1	19.239	/	Pass

2.1.2 6dB BW

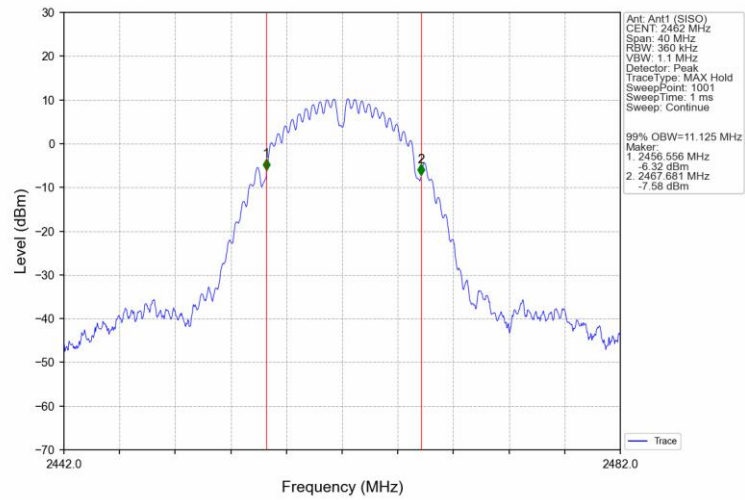
Mode	TX Type	Frequency (MHz)	RU	ANT	6dB Bandwidth (MHz)		Verdict
					Result	Limit	
802.11b	SISO	2412	/	1	7.668	≥ 0.5	Pass
		2437	/	1	7.659	≥ 0.5	Pass
		2462	/	1	7.695	≥ 0.5	Pass
802.11g	SISO	2412	/	1	16.041	≥ 0.5	Pass
		2437	/	1	16.037	≥ 0.5	Pass
		2462	/	1	16.085	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	1	17.483	≥ 0.5	Pass
		2437	/	1	16.935	≥ 0.5	Pass
		2462	/	1	17.539	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	1	17.832	≥ 0.5	Pass
		2437	SU	1	18.431	≥ 0.5	Pass
		2462	SU	1	18.350	≥ 0.5	Pass

2.2 Test Graph

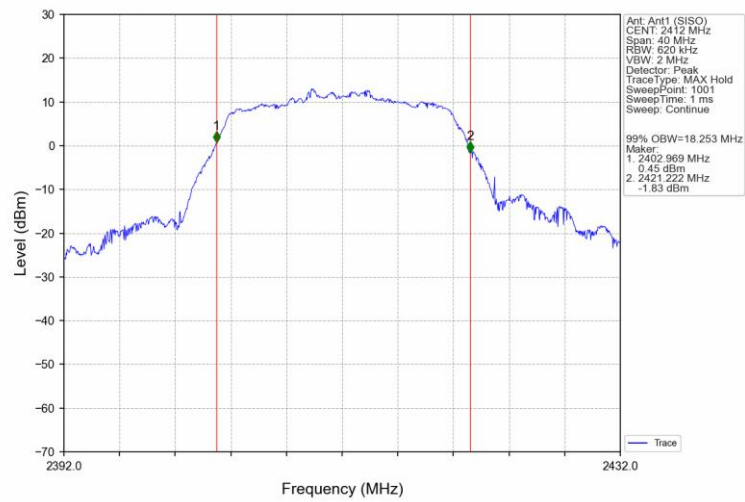
2.2.1 OBW



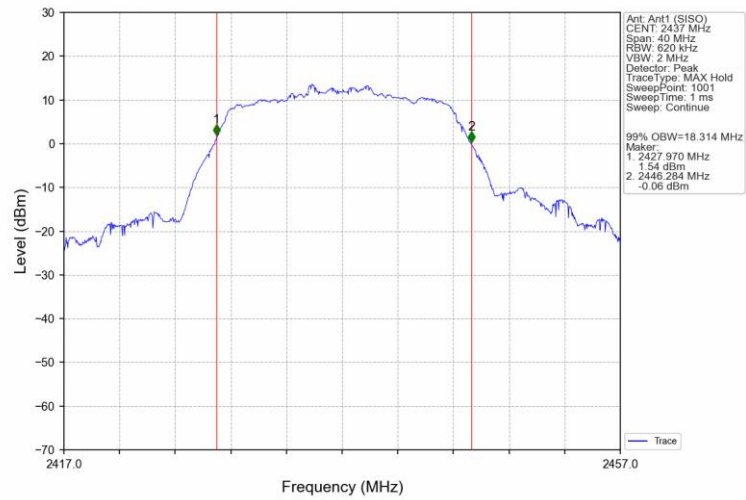
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



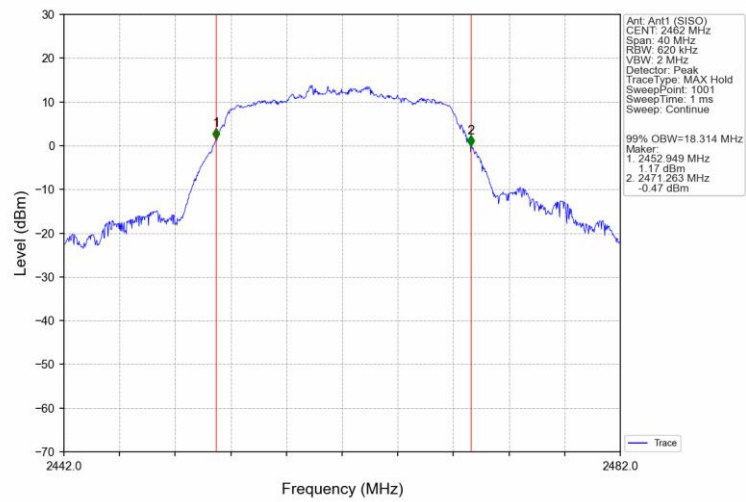
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



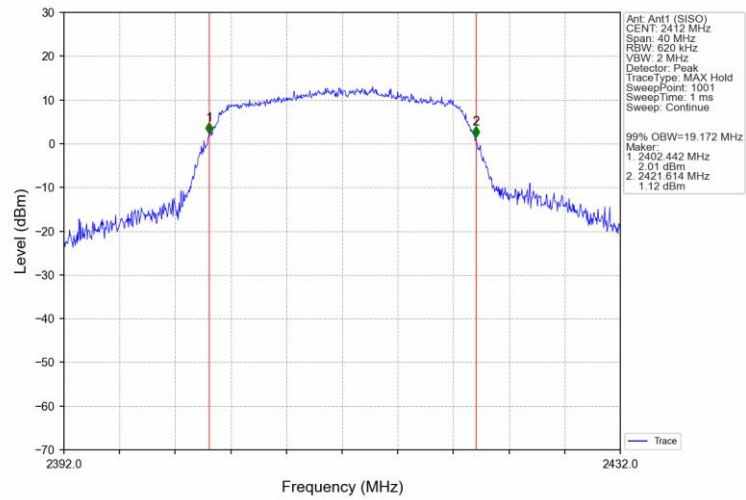
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



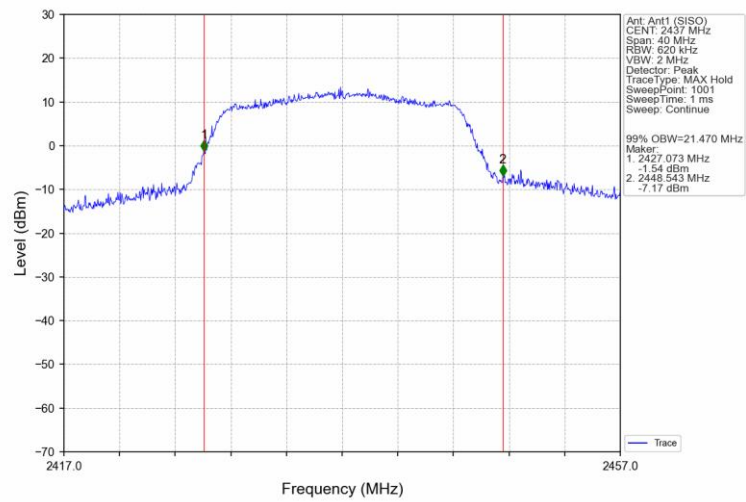
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



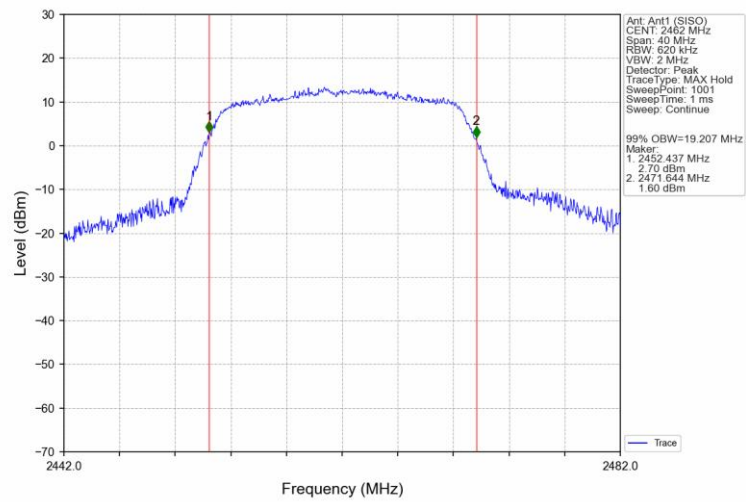
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



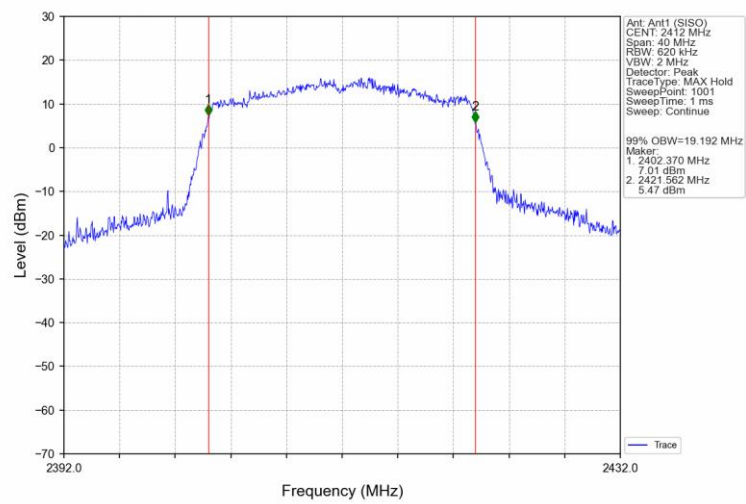
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



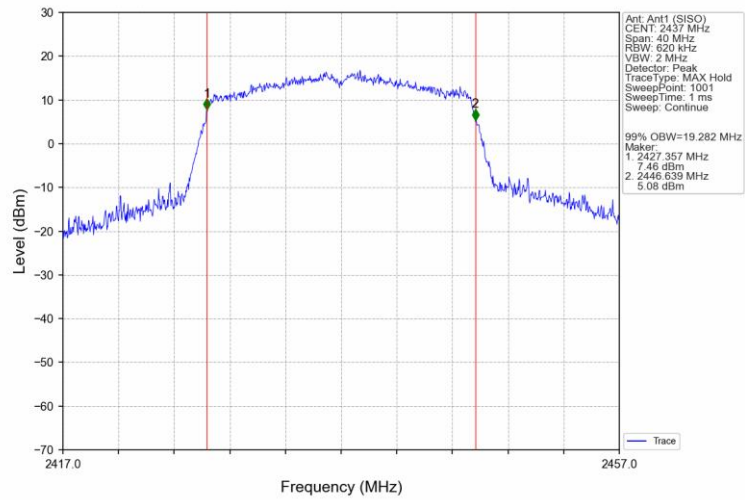
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



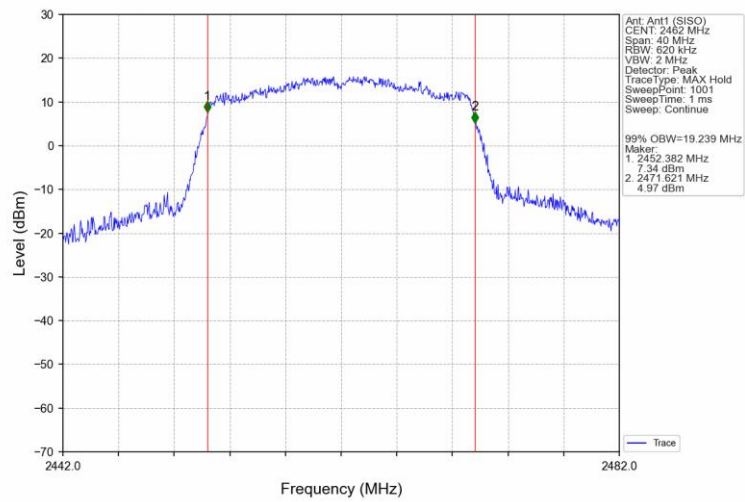
802.11ax(HEW20)_LCH_2412MHz_SU_Ant1 (SISO)_NTNV



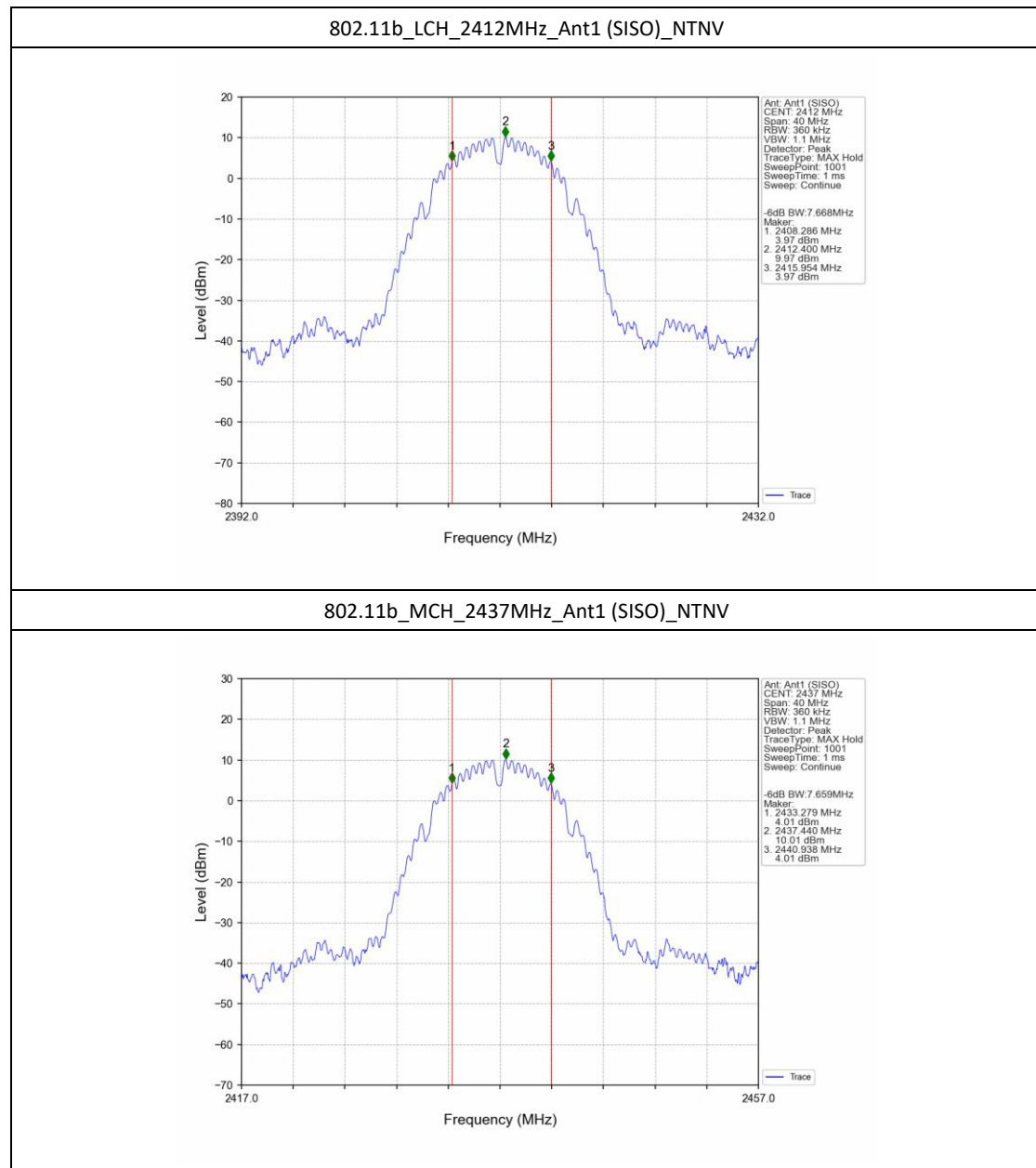
802.11ax(HEW20)_MCH_2437MHz_SU_Ant1 (SISO)_NTNV



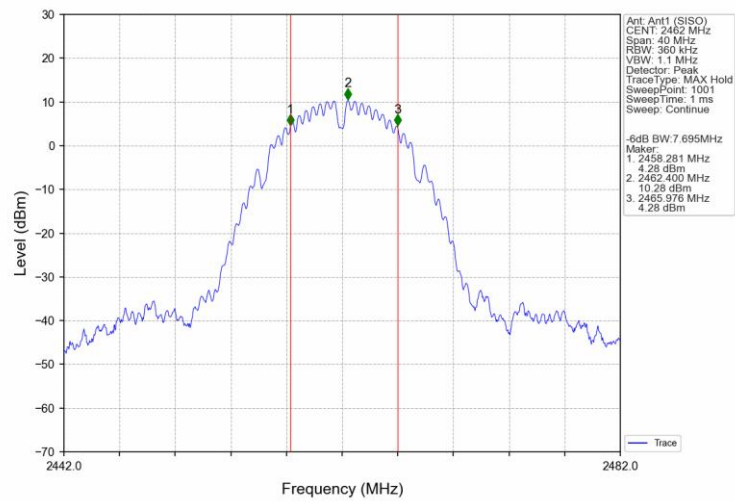
802.11ax(HEW20)_HCH_2462MHz_SU_Ant1 (SISO)_NTNV



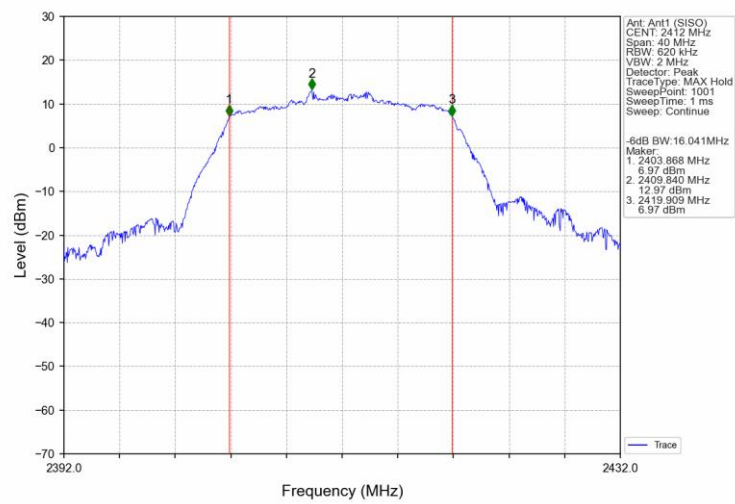
2.2.2 6dB BW



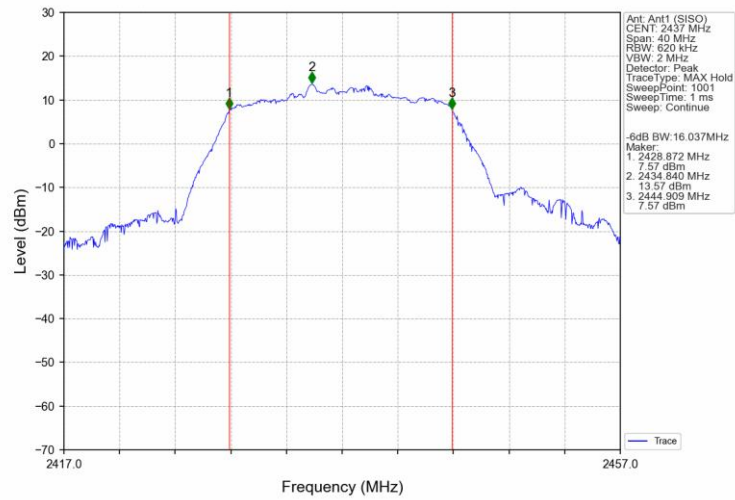
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



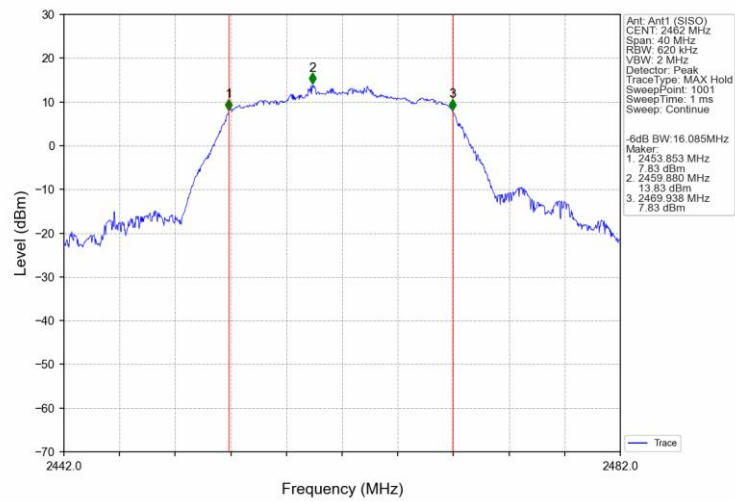
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



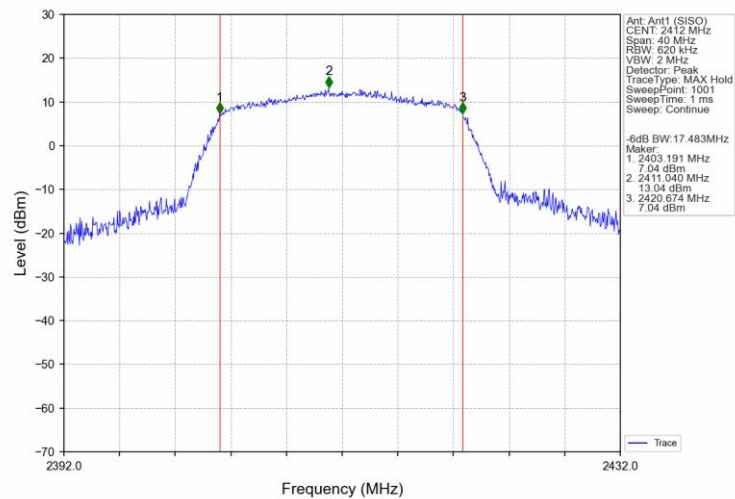
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



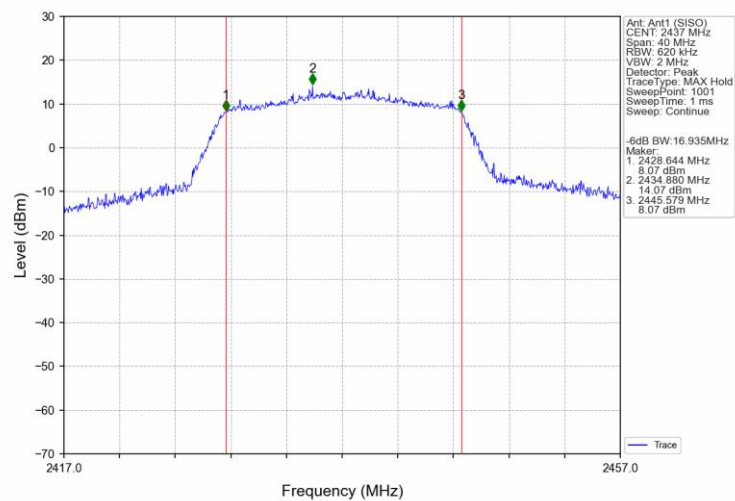
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



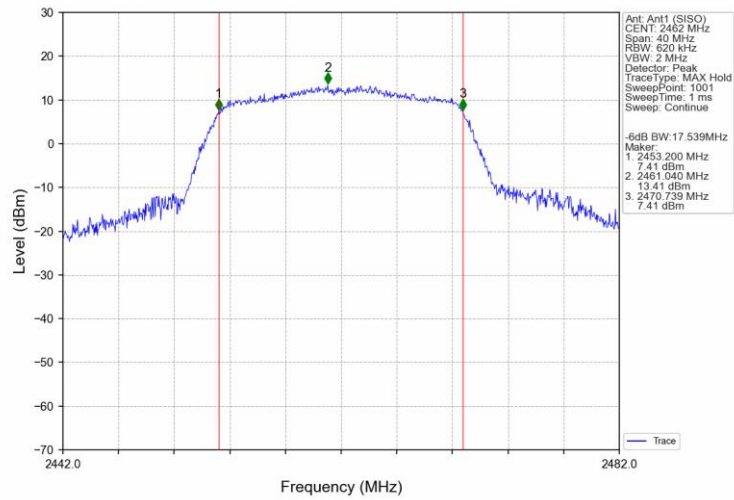
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



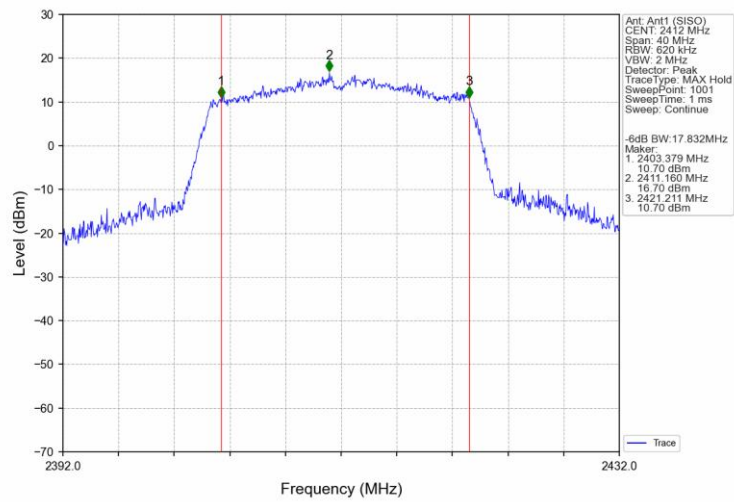
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



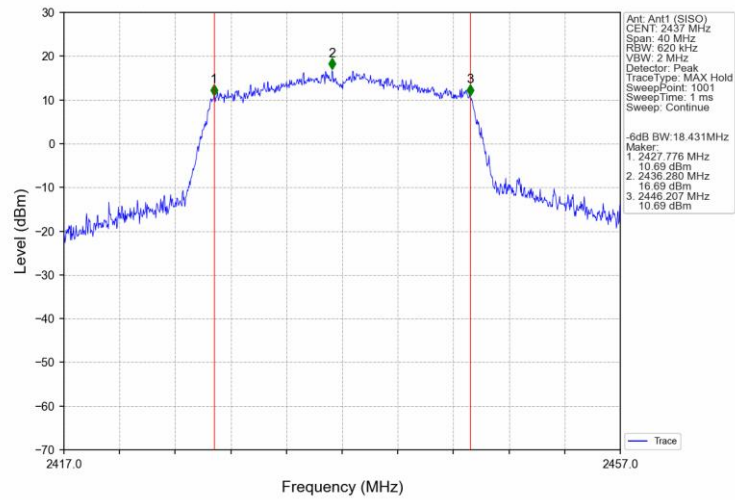
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



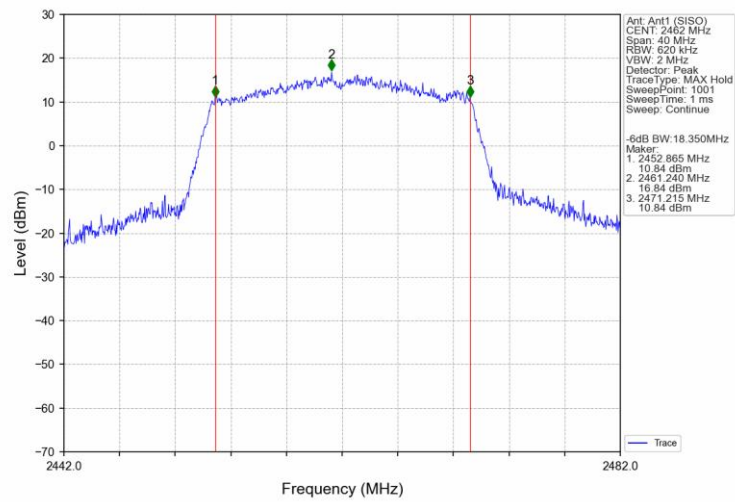
802.11ax(HEW20)_LCH_2412MHz_SU_Ant1 (SISO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_SU_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_SU_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	16.95	<=30	Pass
		2437	/	/	17.46	<=30	Pass
		2462	/	/	17.44	<=30	Pass
802.11g	SISO	2412	/	/	17.06	<=30	Pass
		2437	/	/	17.55	<=30	Pass
		2462	/	/	17.60	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	17.09	<=30	Pass
		2437	/	/	17.44	<=30	Pass
		2462	/	/	17.61	<=30	Pass
802.11ax (HEW20)	SISO	2412	SU	/	17.37	<=30	Pass
		2437	SU	/	17.84	<=30	Pass
		2462	SU	/	17.84	<=30	Pass
Note1: Antenna Gain: Ant1: 4.25dBi;							

4. Maximum Power Spectral Density

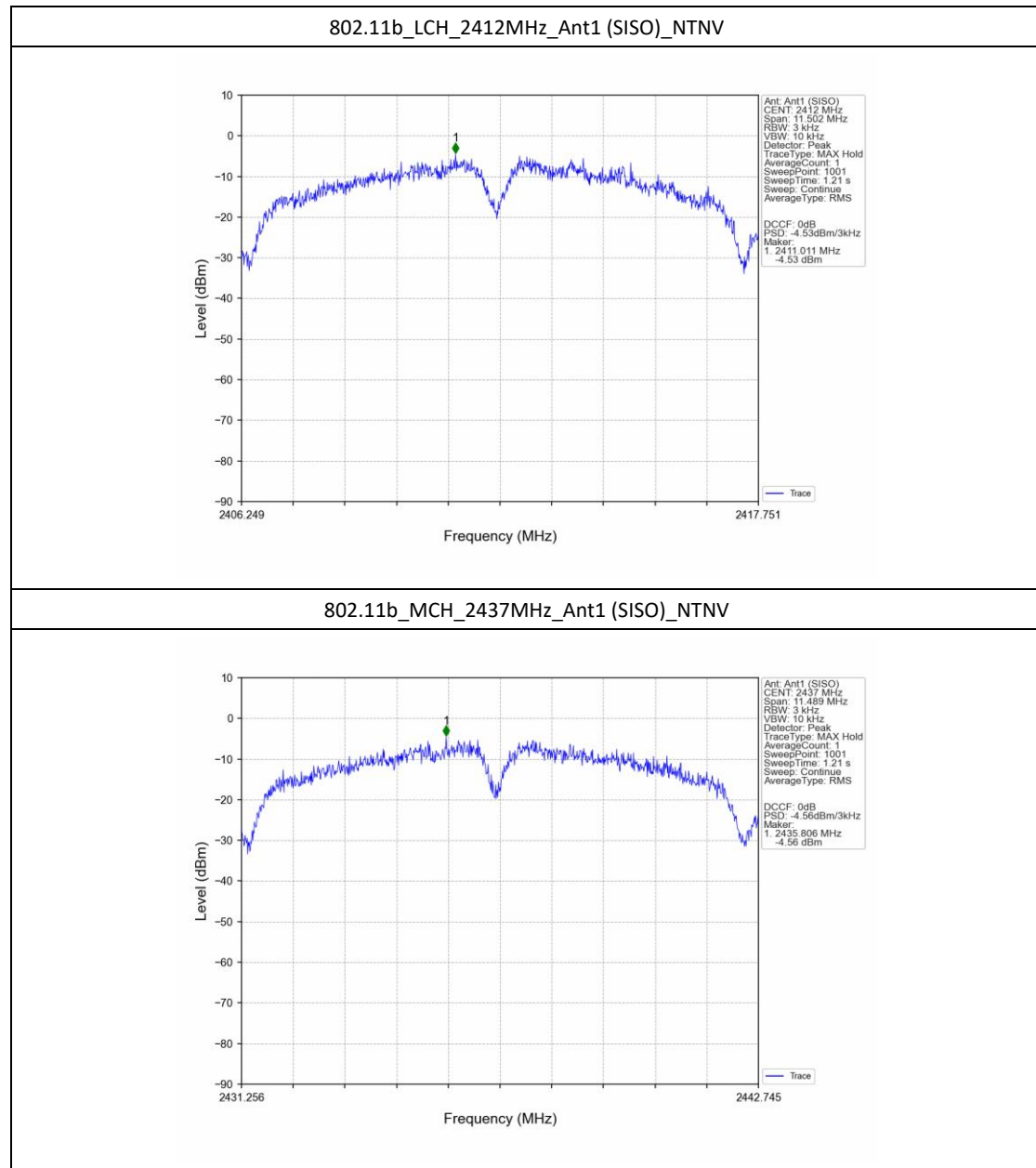
4.1 Test Result

4.1.1 PSD

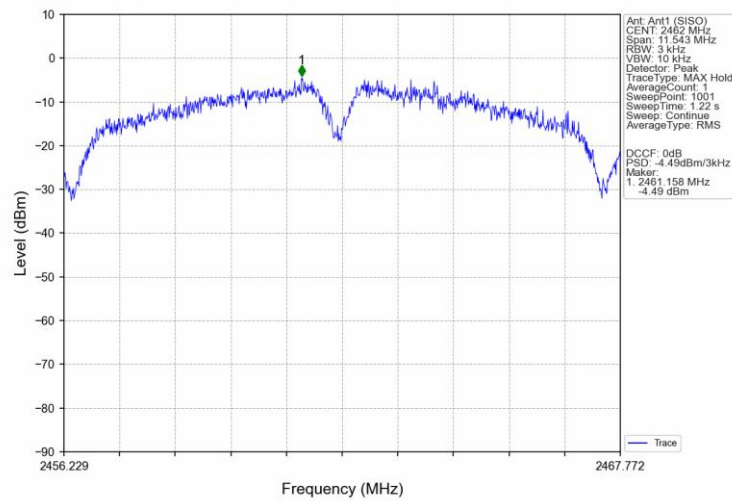
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	-4.53	<=8	Pass
		2437	/	/	-4.56	<=8	Pass
		2462	/	/	-4.49	<=8	Pass
802.11g	SISO	2412	/	/	-6.62	<=8	Pass
		2437	/	/	-6.32	<=8	Pass
		2462	/	/	-7.07	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-7.37	<=8	Pass
		2437	/	/	-6.66	<=8	Pass
		2462	/	/	-6.54	<=8	Pass
802.11ax (HEW20)	SISO	2412	SU	/	-7.28	<=8	Pass
		2437	SU	/	-7.31	<=8	Pass
		2462	SU	/	-5.51	<=8	Pass
Note1: Antenna Gain: Ant1: 4.25dBi;							

4.2 Test Graph

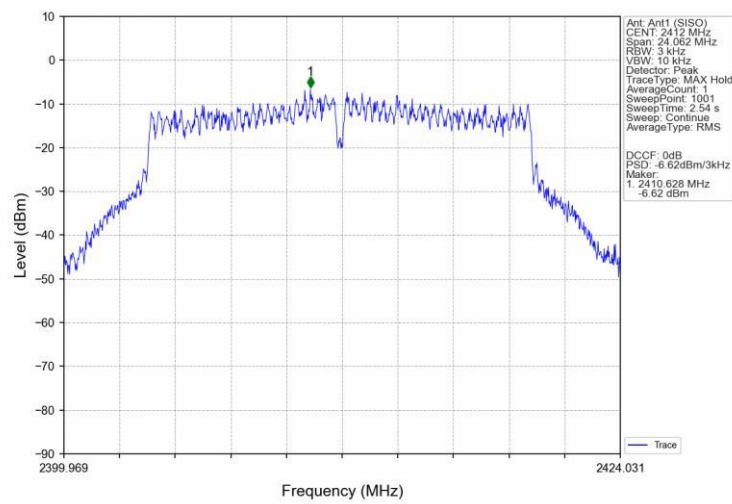
4.2.1 PSD



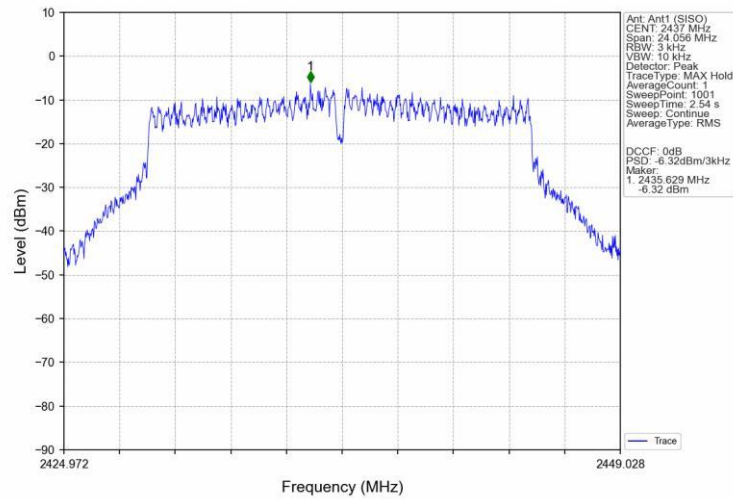
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



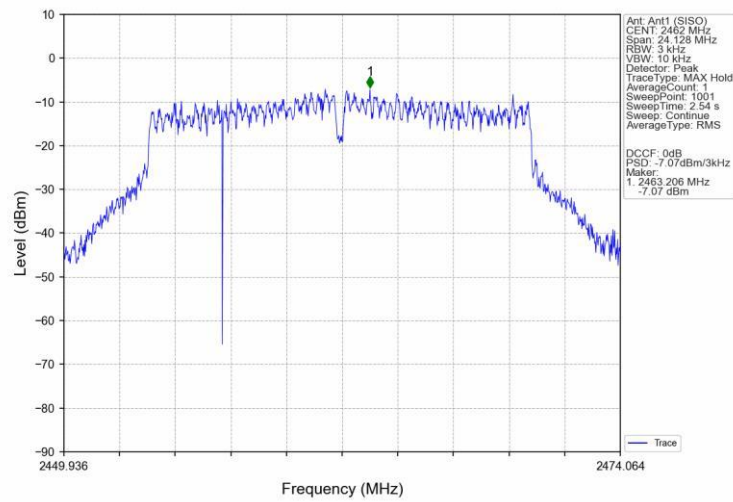
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



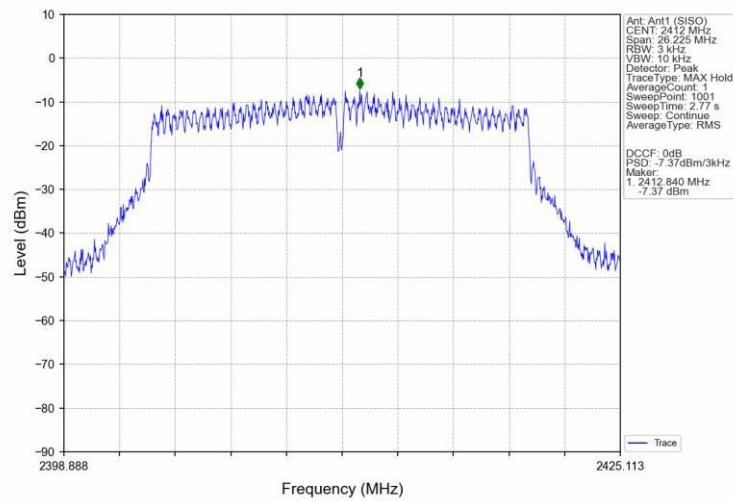
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



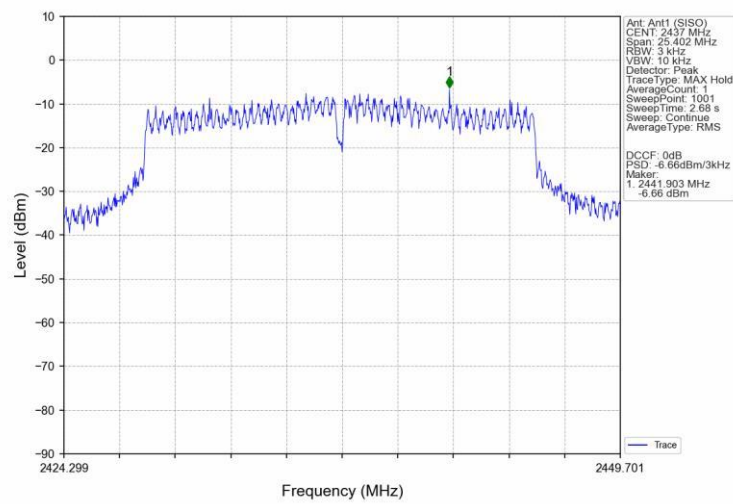
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



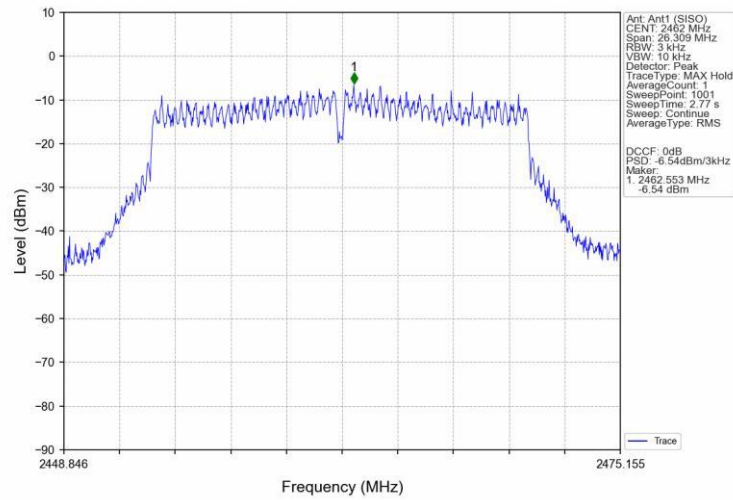
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



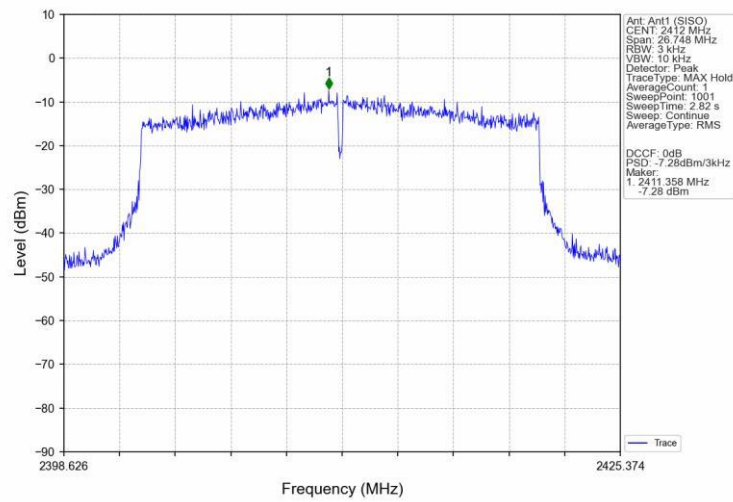
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



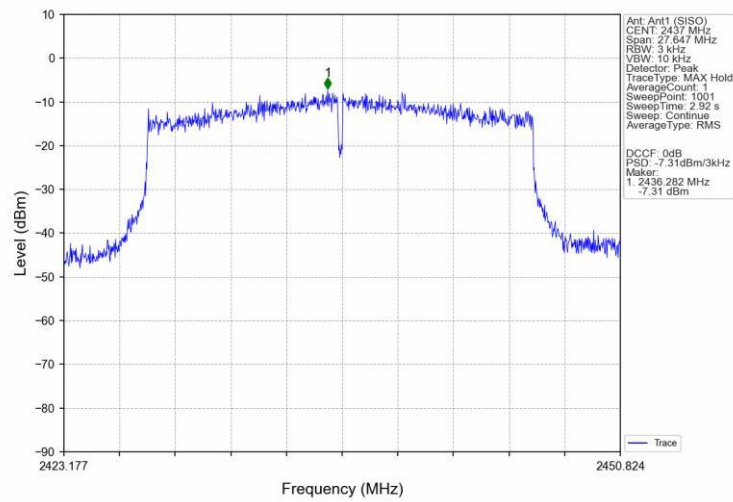
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



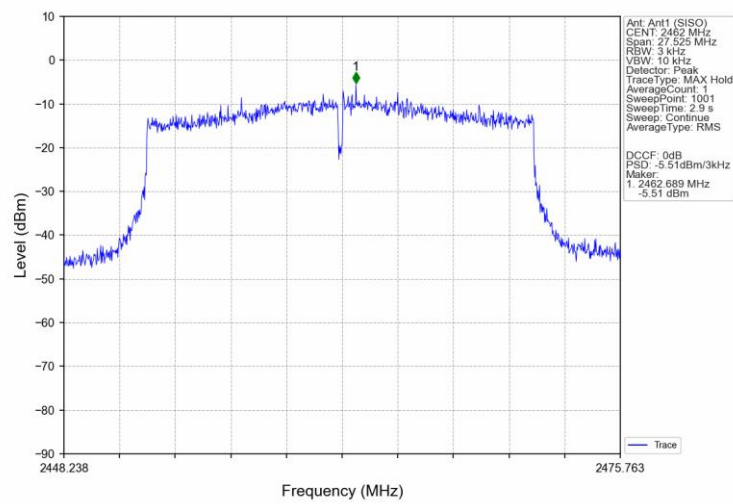
802.11ax(HEW20)_LCH_2412MHz_SU_/_Ant1 (SISO)_NTNV



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



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



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

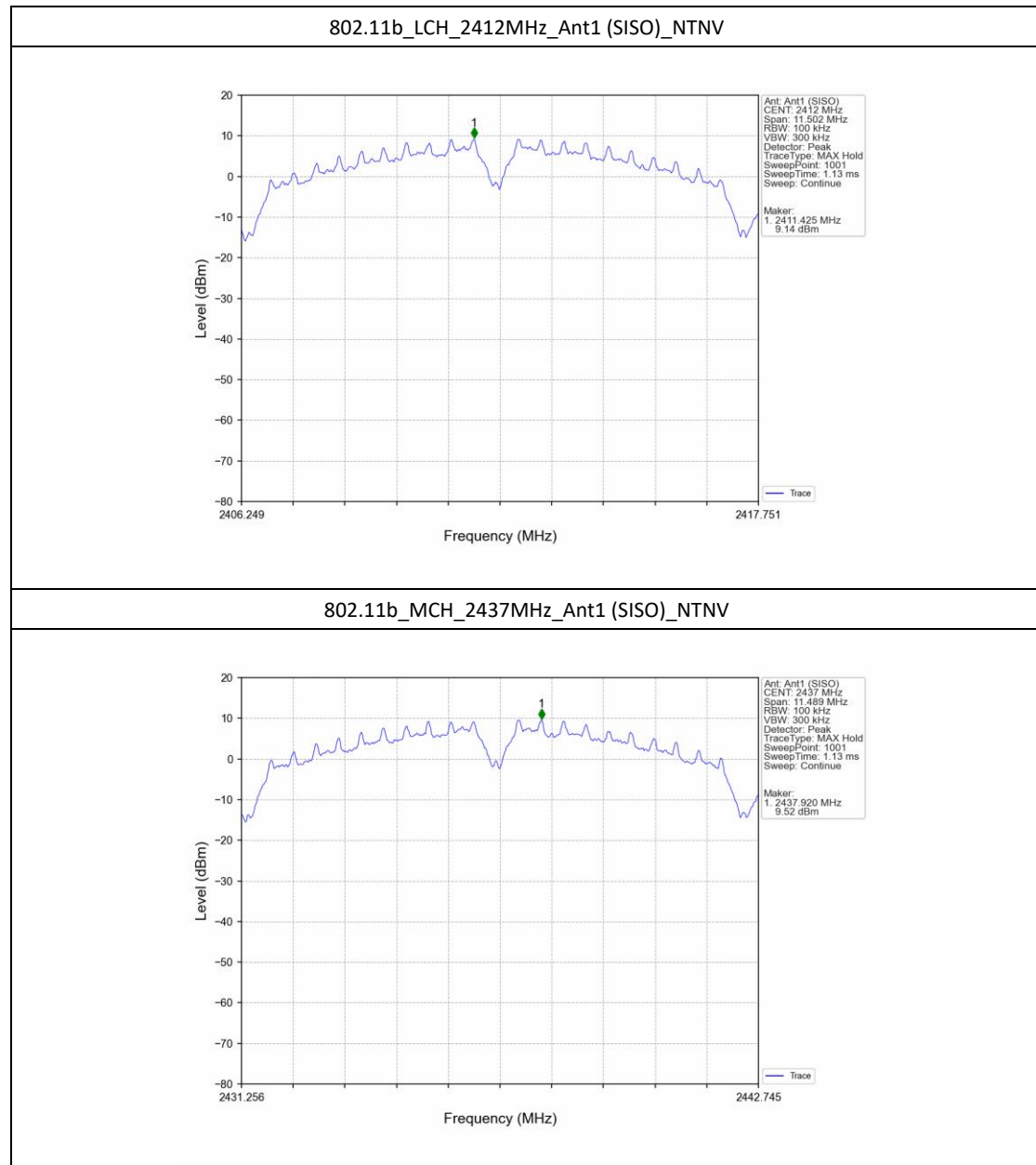
Mode	TX Type	Frequency (MHz)	RU	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	1	9.14
		2437	/	1	9.52
		2462	/	1	10.03
802.11g	SISO	2412	/	1	5.53
		2437	/	1	5.96
		2462	/	1	6.29
802.11n (HT20)	SISO	2412	/	1	5.57
		2437	/	1	6.74
		2462	/	1	6.16
802.11ax (HEW20)	SISO	2412	SU	1	6.06
		2437	SU	1	6.67
		2462	SU	1	5.93
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

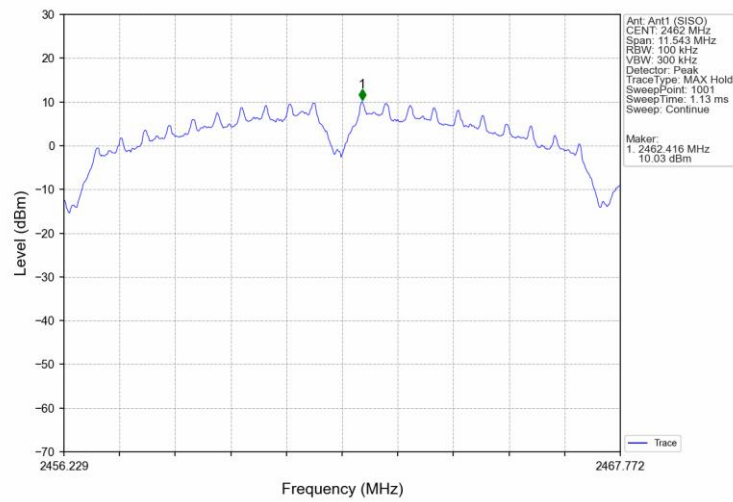
Mode	TX Type	Frequency (MHz)	RU	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	1	10.03	-19.97	Pass
		2437	/	1	10.03	-19.97	Pass
		2462	/	1	10.03	-19.97	Pass
802.11g	SISO	2412	/	1	6.29	-23.71	Pass
		2437	/	1	6.29	-23.71	Pass
		2462	/	1	6.29	-23.71	Pass
802.11n (HT20)	SISO	2412	/	1	6.74	-23.26	Pass
		2437	/	1	6.74	-23.26	Pass
		2462	/	1	6.74	-23.26	Pass
802.11ax (HEW20)	SISO	2412	SU	1	6.67	-23.33	Pass
		2437	SU	1	6.67	-23.33	Pass
		2462	SU	1	6.67	-23.33	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

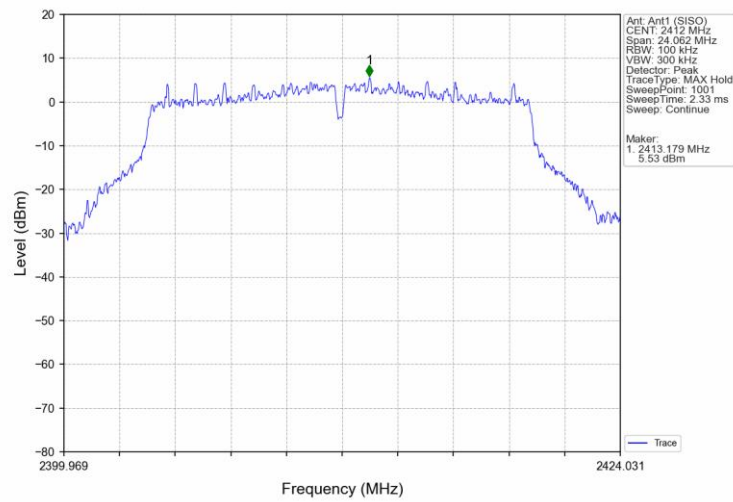
5.2.1 Ref



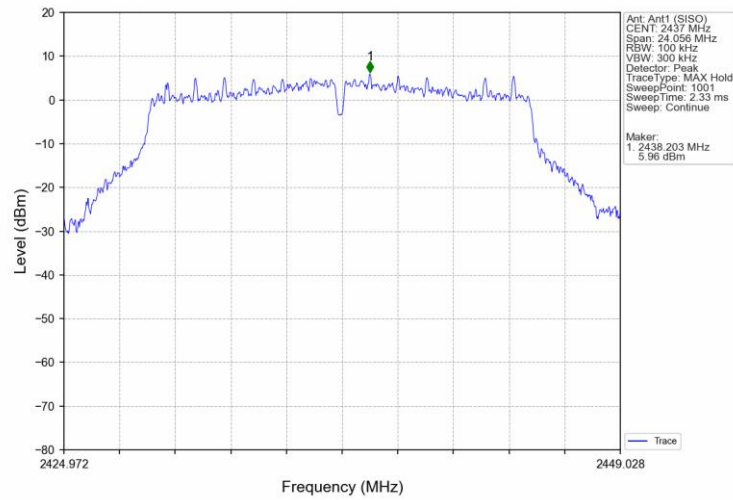
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



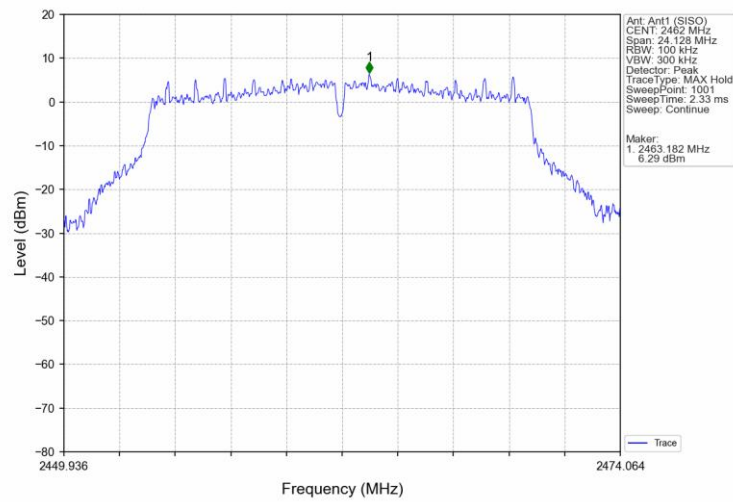
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



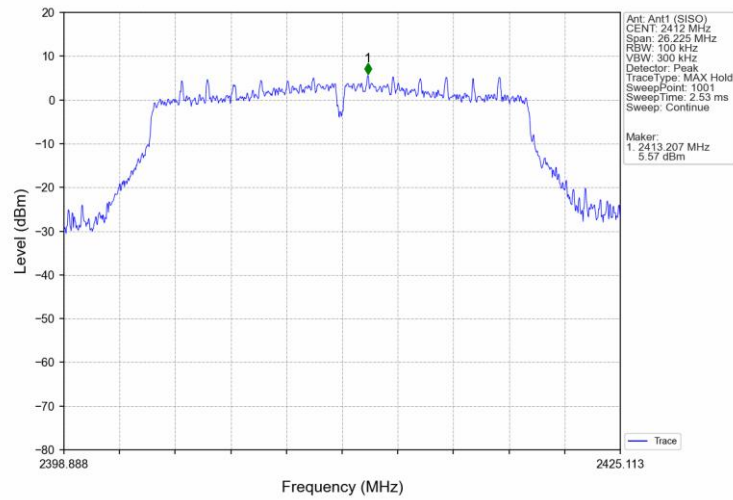
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



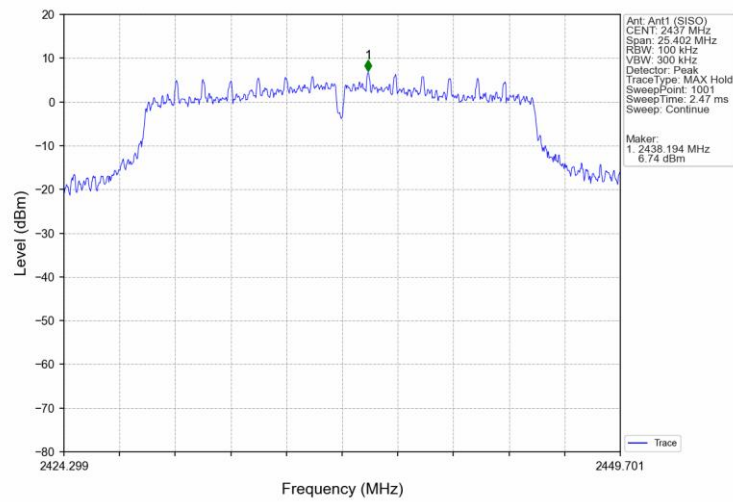
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



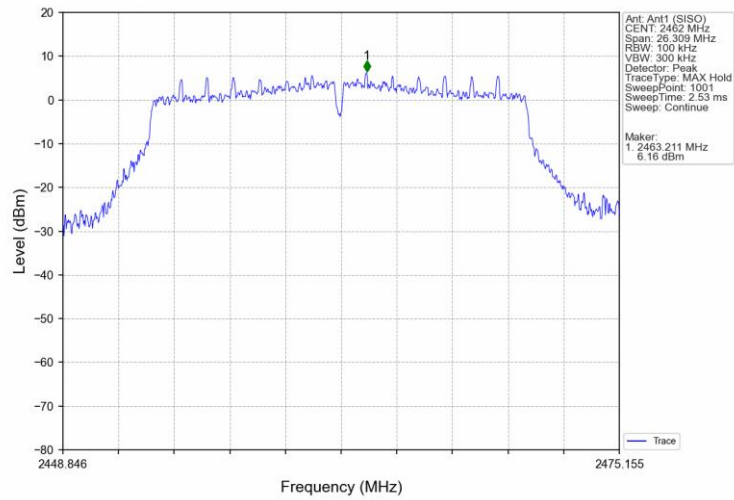
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



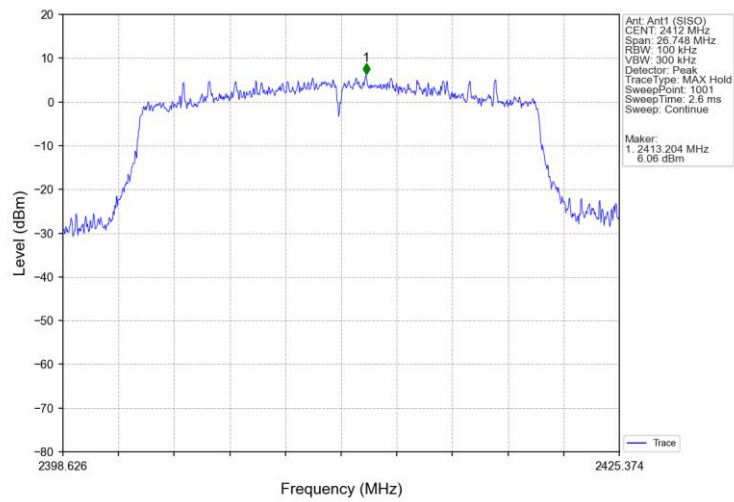
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



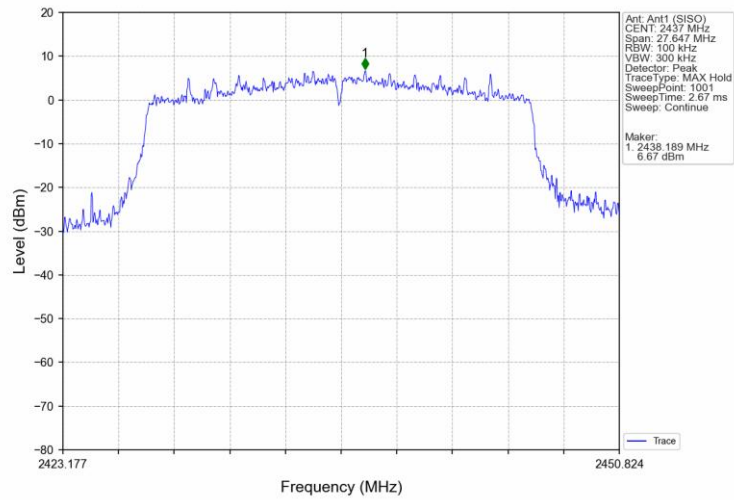
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



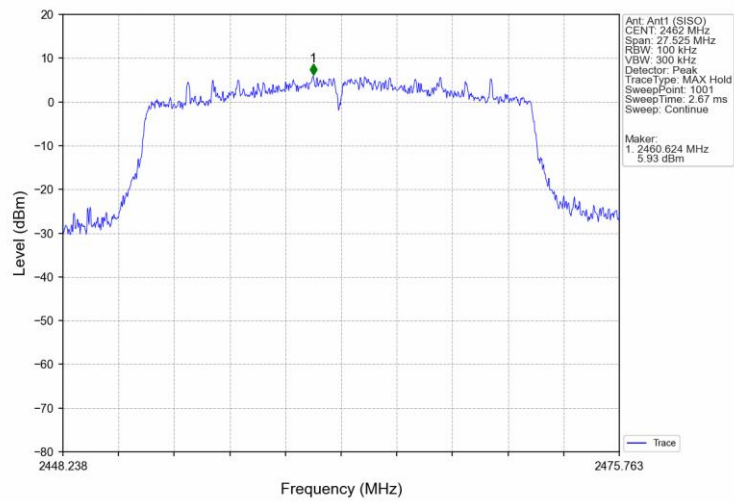
802.11ax(HEW20)_LCH_2412MHz_SU_Ant1 (SISO)_NTNV



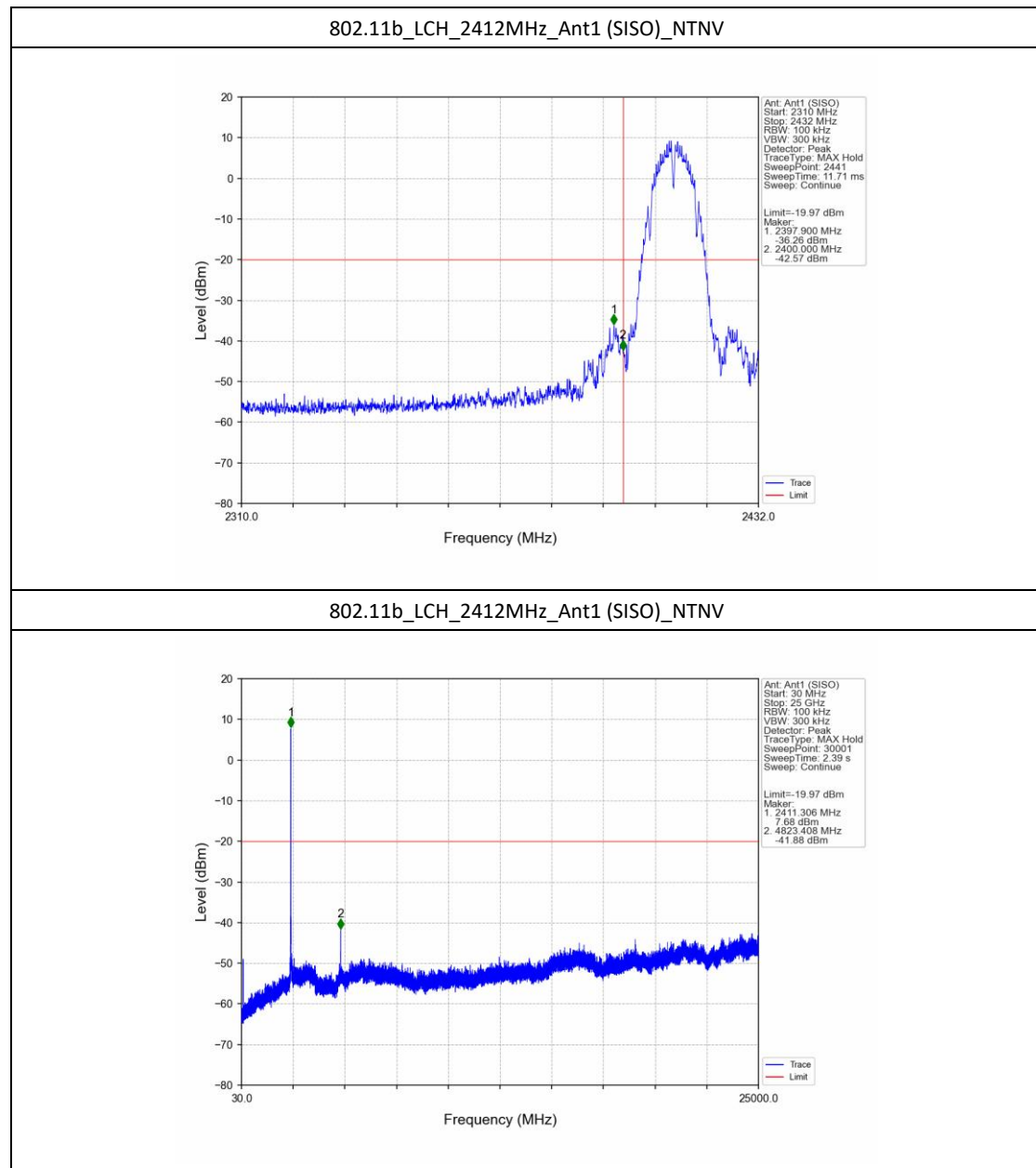
802.11ax(HEW20)_MCH_2437MHz_SU_Ant1 (SISO)_NTNV



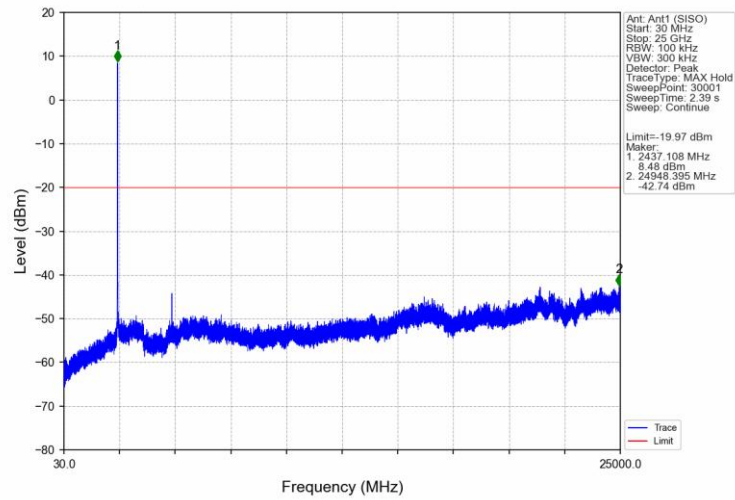
802.11ax(HEW20)_HCH_2462MHz_SU_Ant1 (SISO)_NTNV



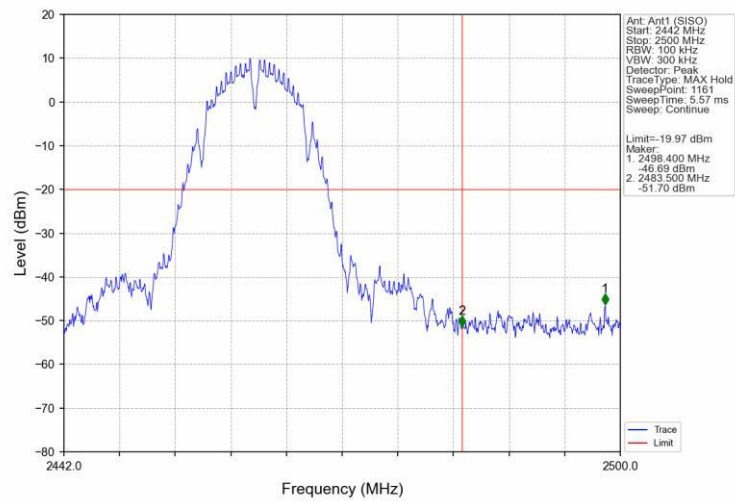
5.2.2 CSE



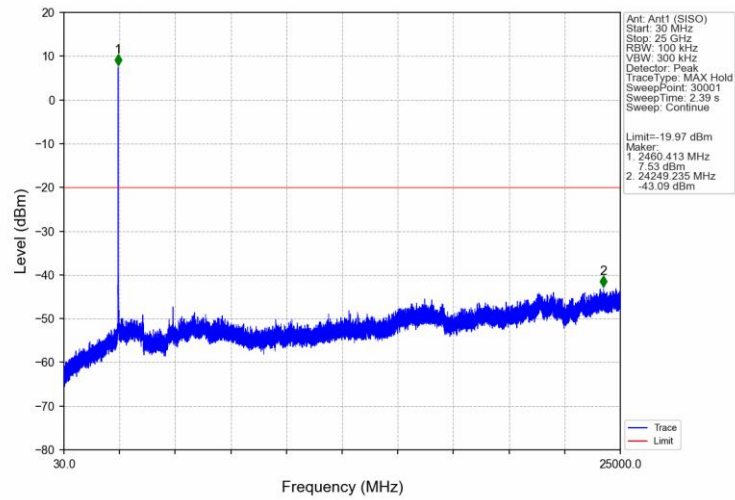
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



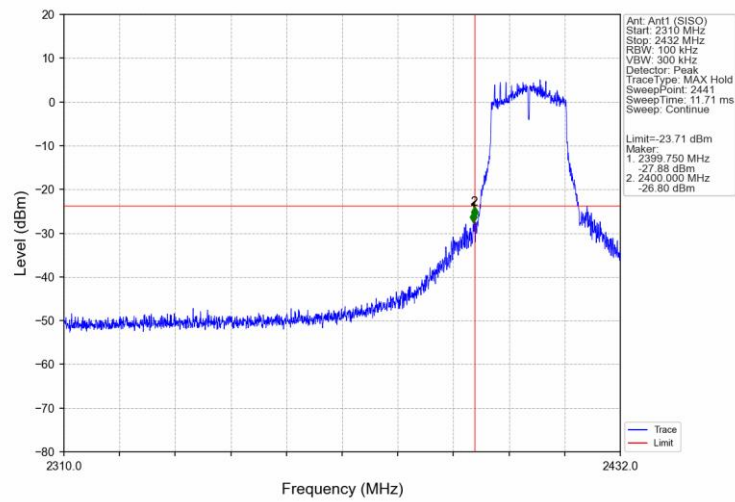
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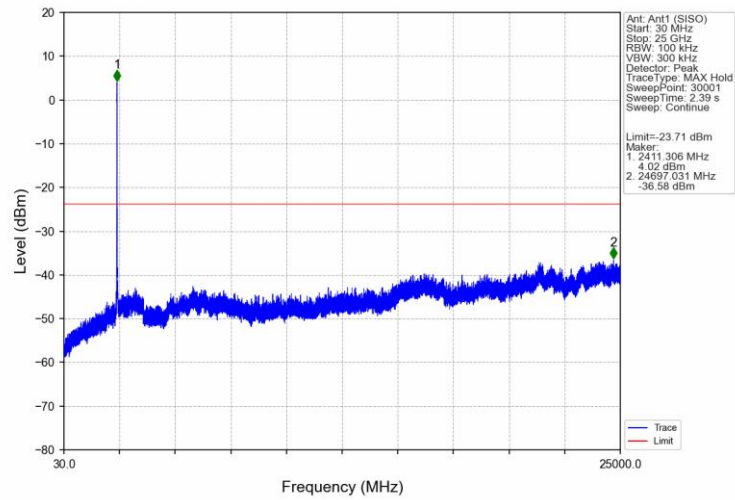
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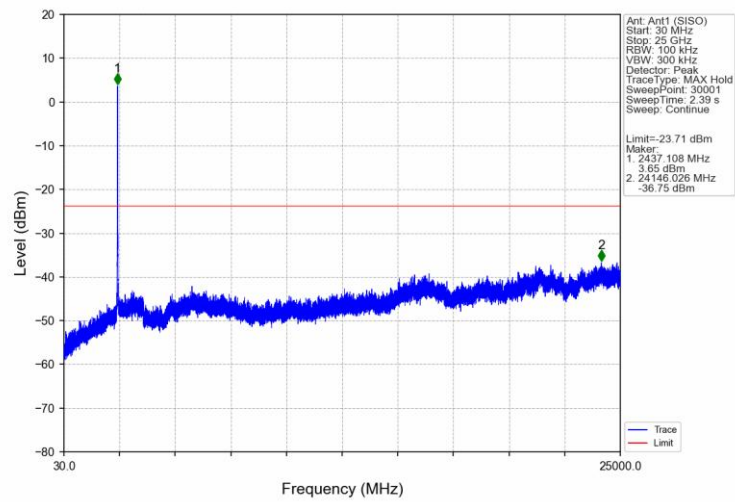
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



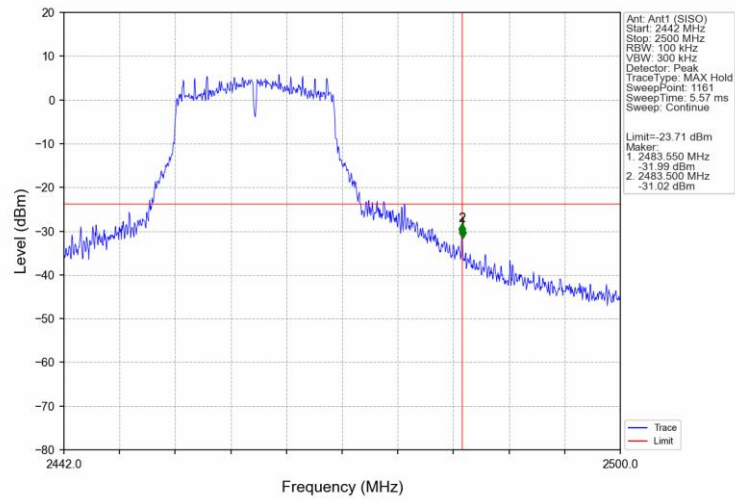
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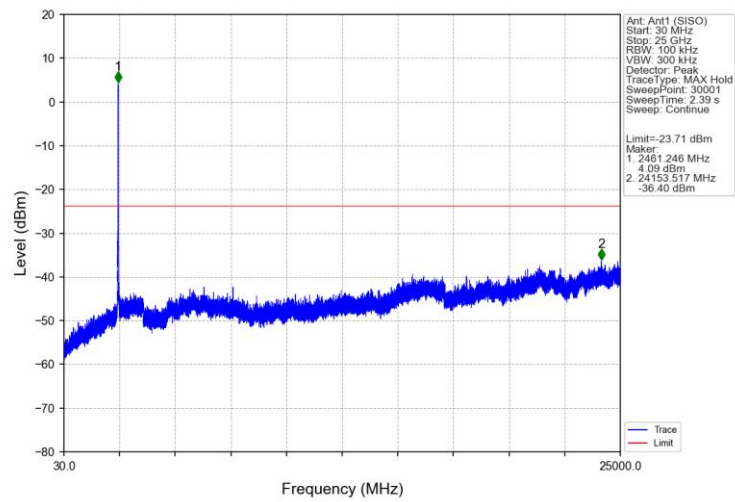
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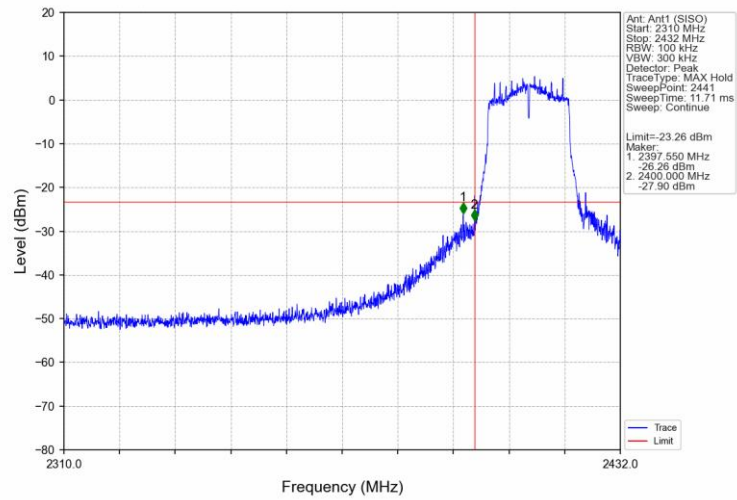
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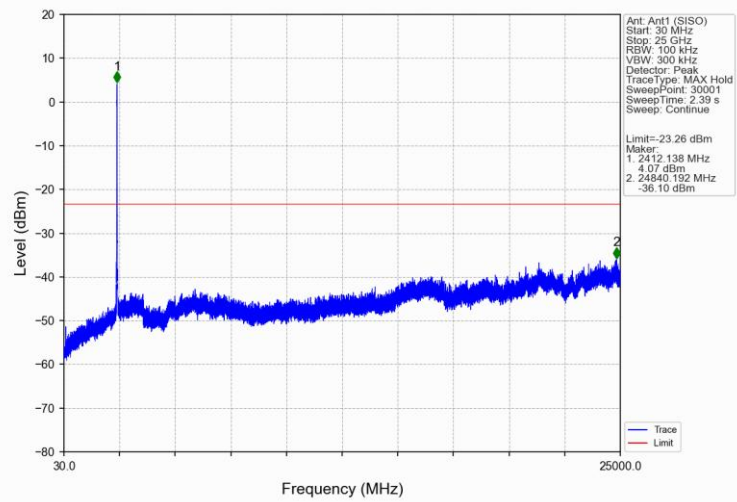
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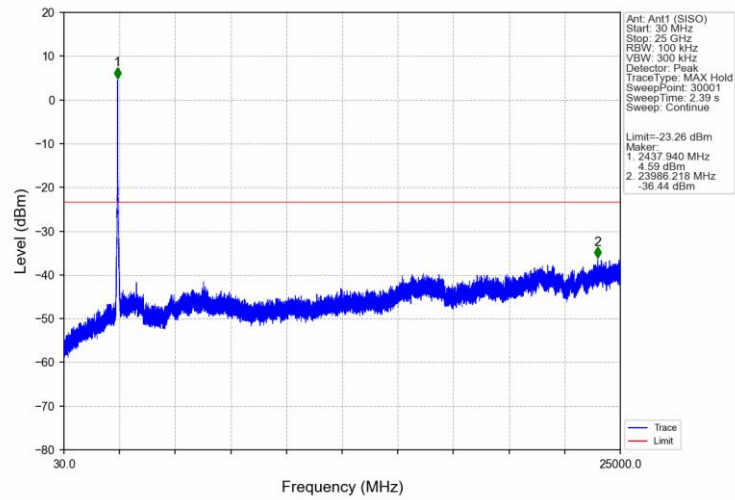
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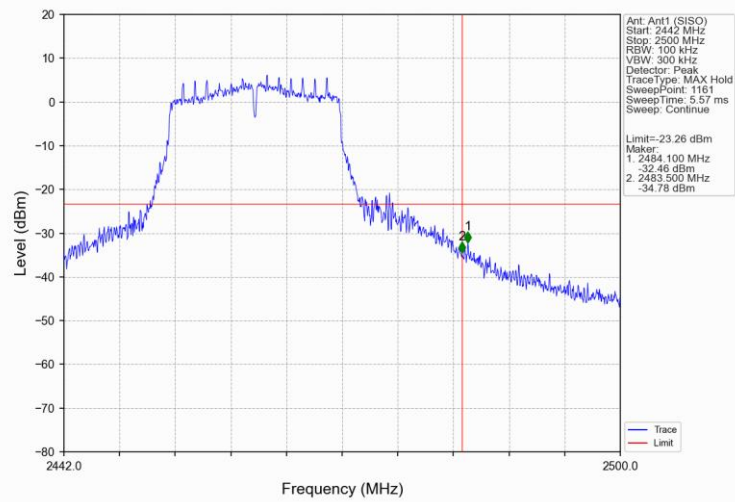
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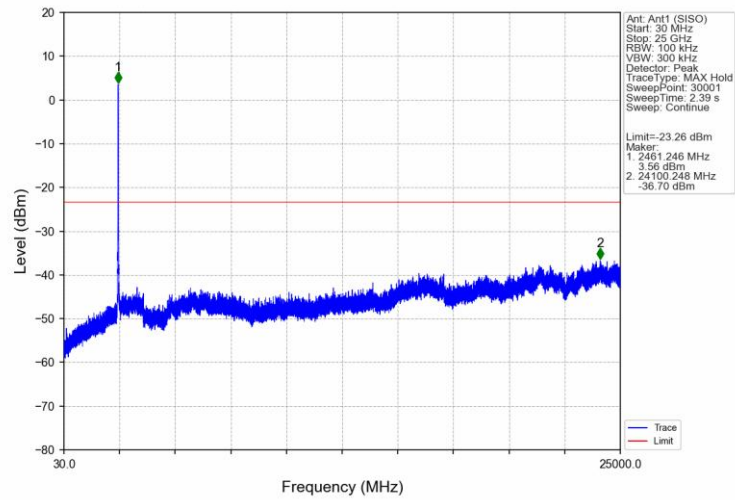
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



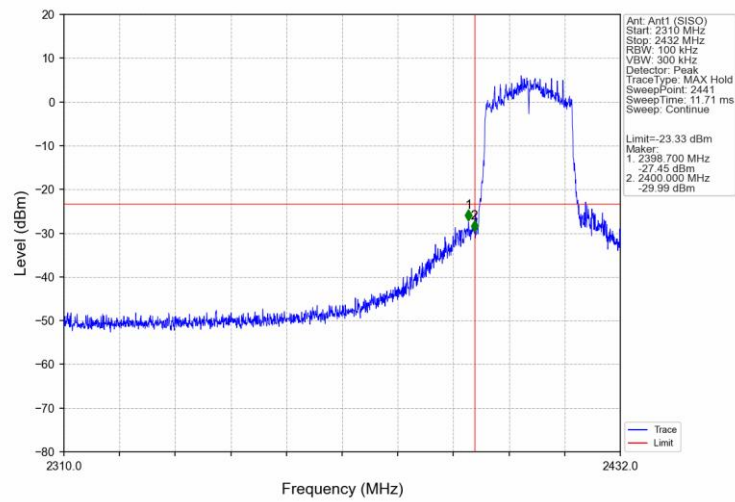
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



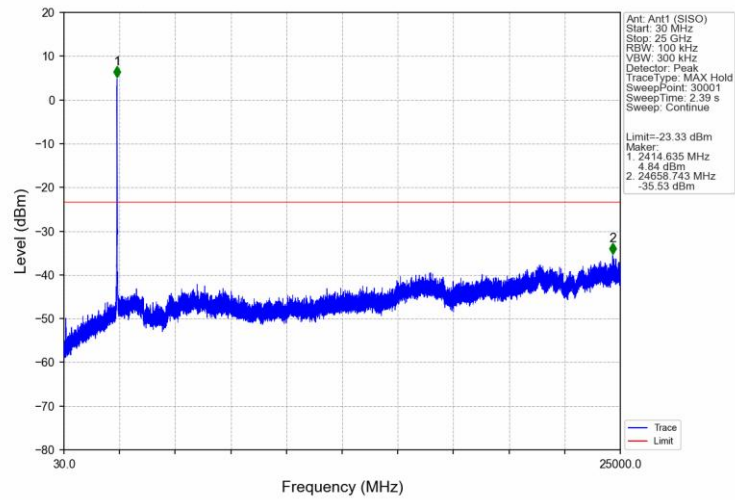
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



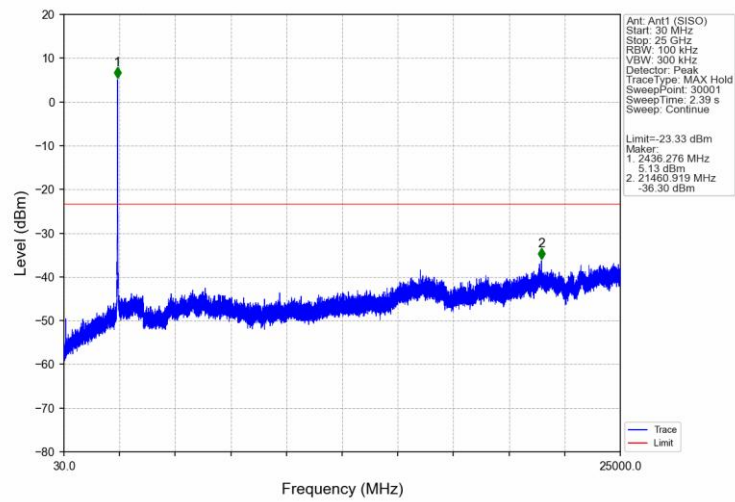
802.11ax(HEW20)_LCH_2412MHz_SU_Ant1 (SISO)_NTNV



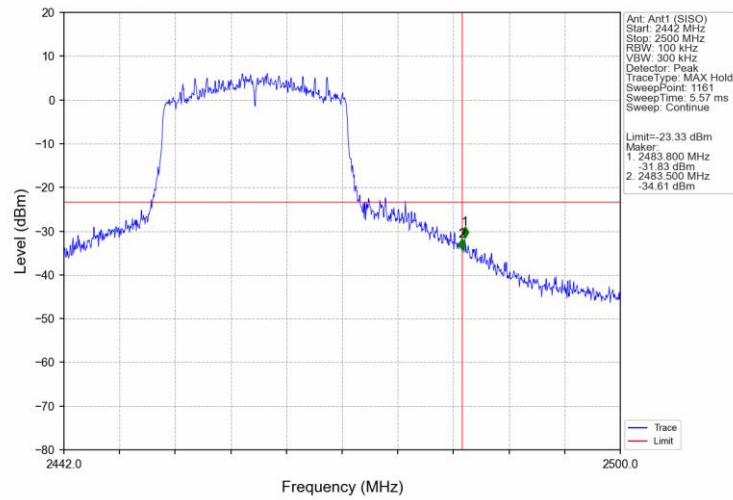
802.11ax(HEW20)_LCH_2412MHz_SU_Ant1 (SISO)_NTNV



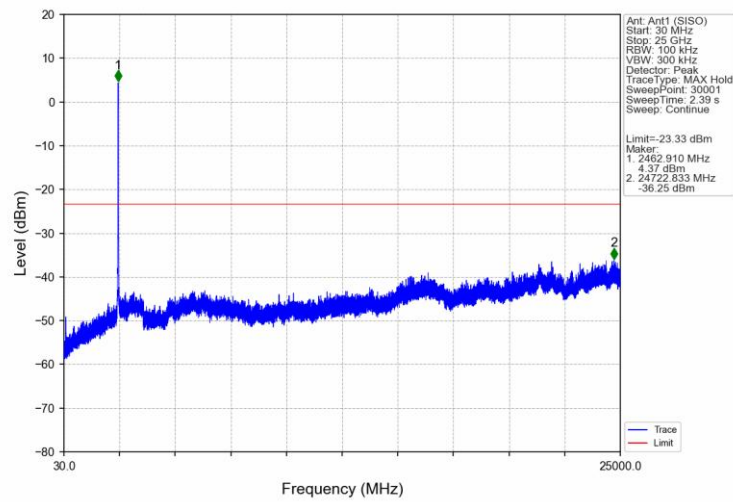
802.11ax(HEW20)_MCH_2437MHz_SU_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_SU_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_SU_Ant1 (SISO)_NTNV



6. Form731

6.1 Test Result

6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2412	2462	0.0608	17.84