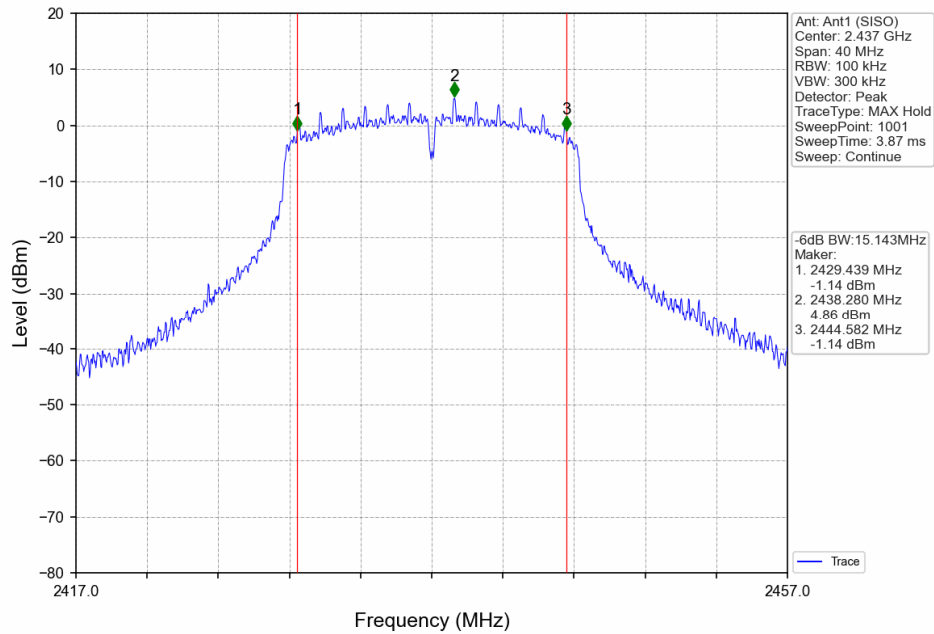
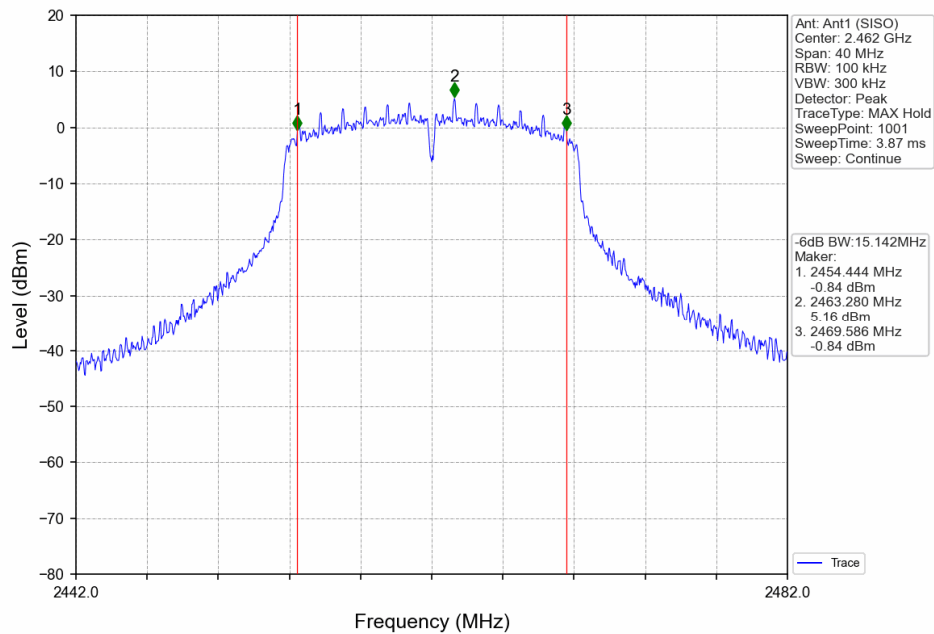


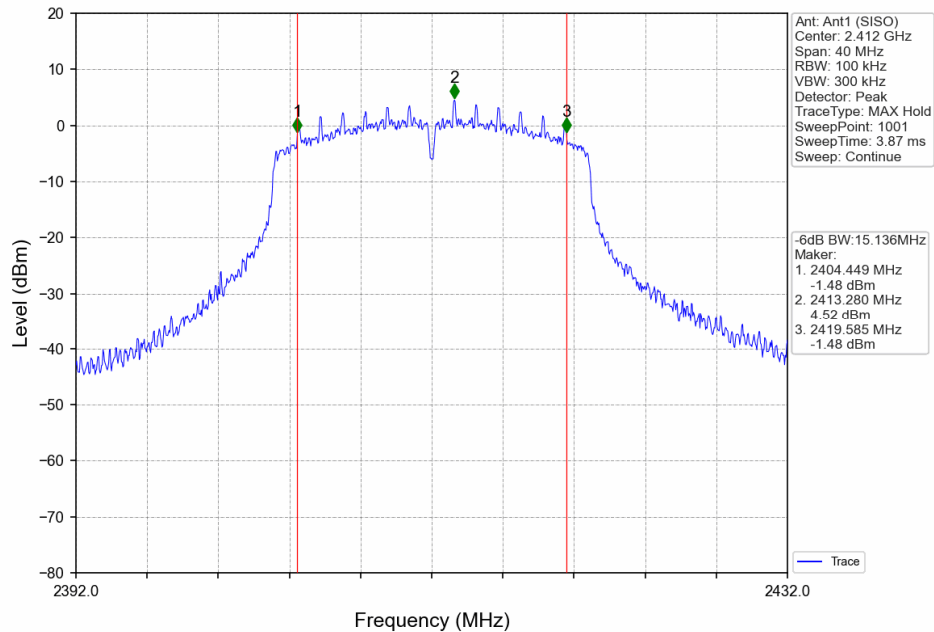
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



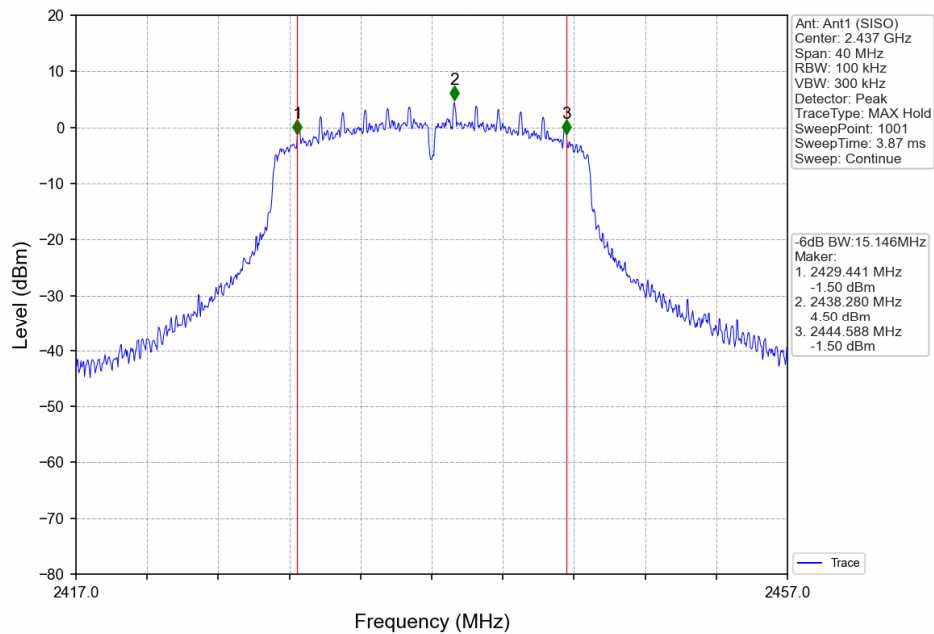
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



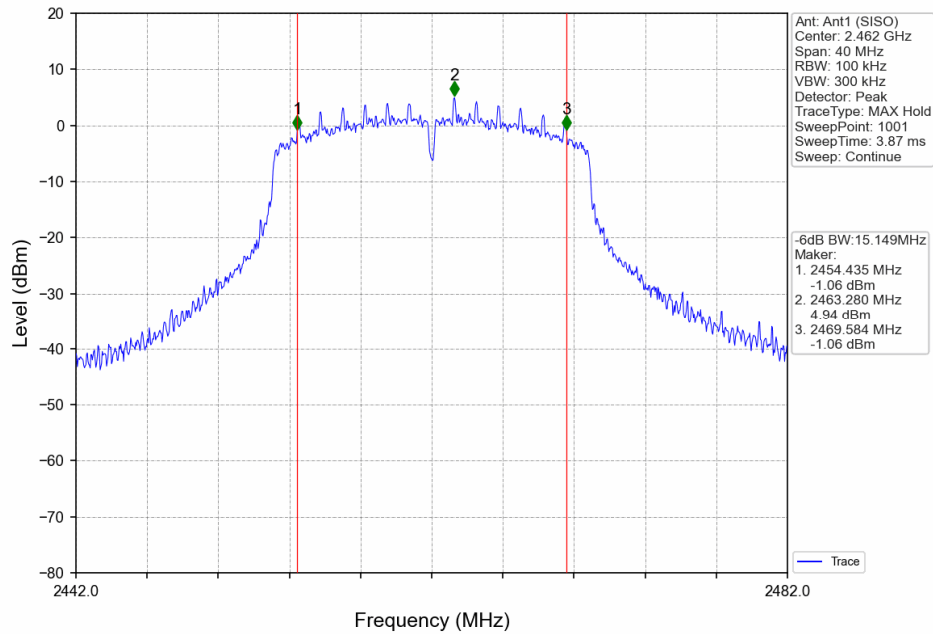
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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## 2. Maximum Conducted Output Power

### 2.1 Power

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	16.35	<=30	Pass
		2437	16.45	<=30	Pass
		2462	16.64	<=30	Pass
802.11g	SISO	2412	14.61	<=30	Pass
		2437	14.92	<=30	Pass
		2462	15.10	<=30	Pass
802.11n (HT20)	SISO	2412	14.16	<=30	Pass
		2437	14.33	<=30	Pass
		2462	14.58	<=30	Pass
Note1: Antenna Gain: Ant1: -0.60dBi;					

### 3. Unwanted Emissions In Non-restricted Frequency Bands

#### 3.1 Ref

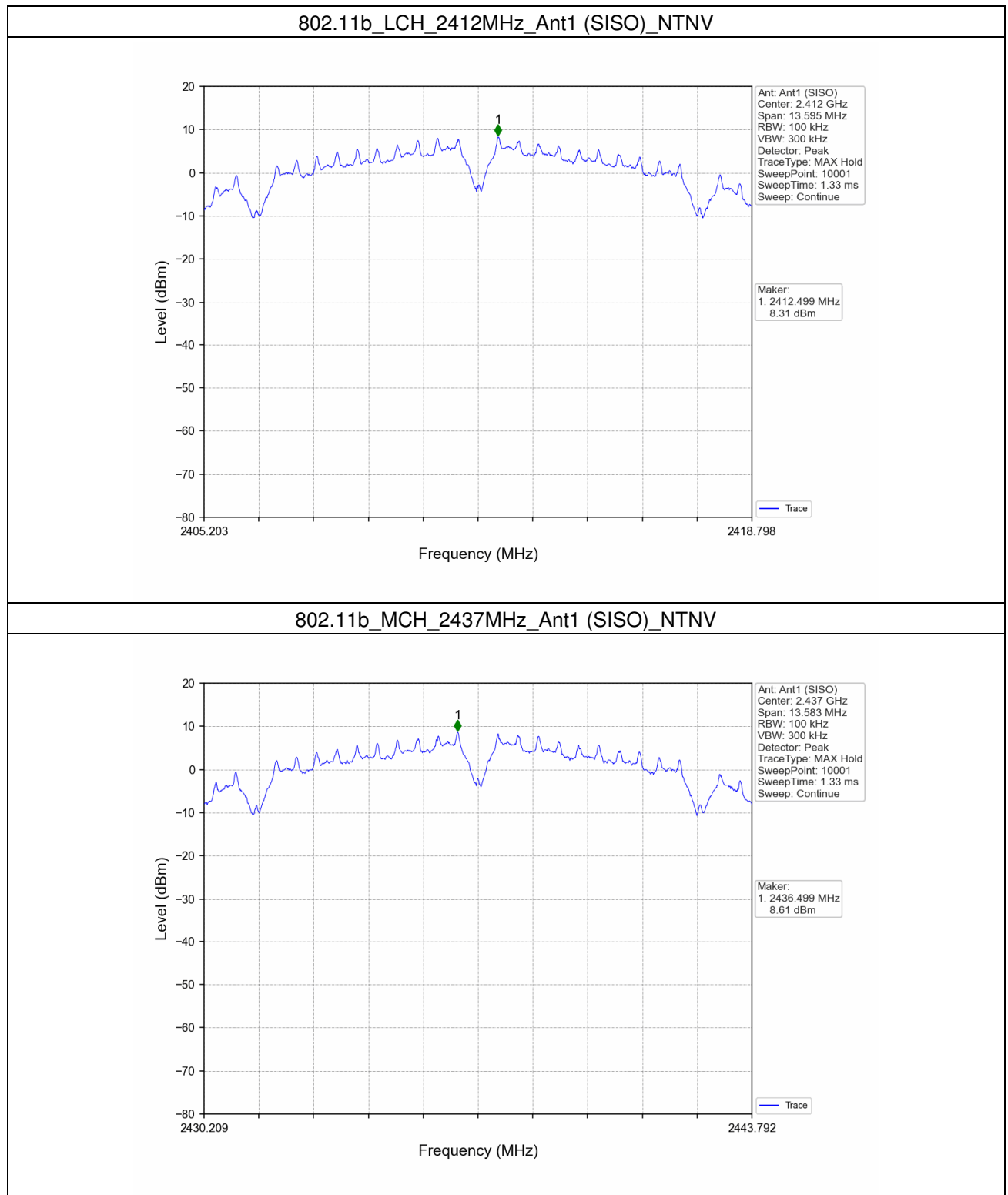
##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	8.31
		2437	1	8.61
		2462	1	8.68
802.11g	SISO	2412	1	4.50
		2437	1	4.69
		2462	1	4.61
802.11n (HT20)	SISO	2412	1	3.91
		2437	1	4.29
		2462	1	4.38

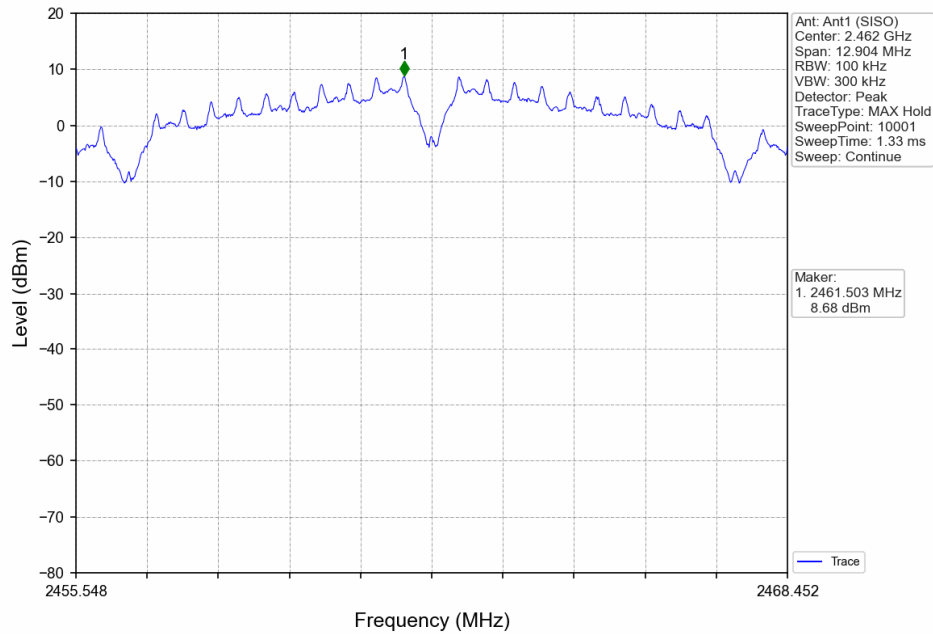
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



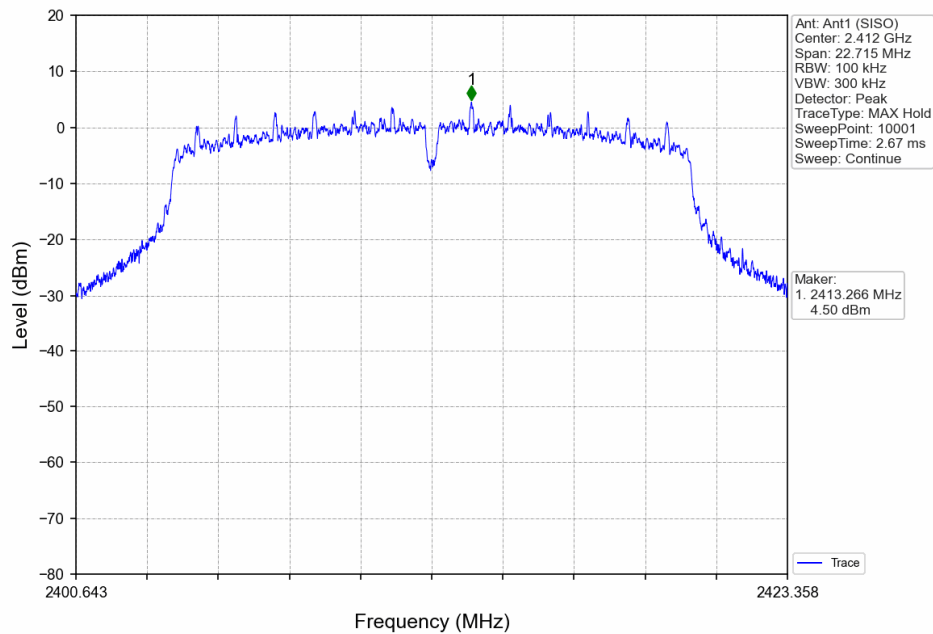
### 3.1.2 Test Graph



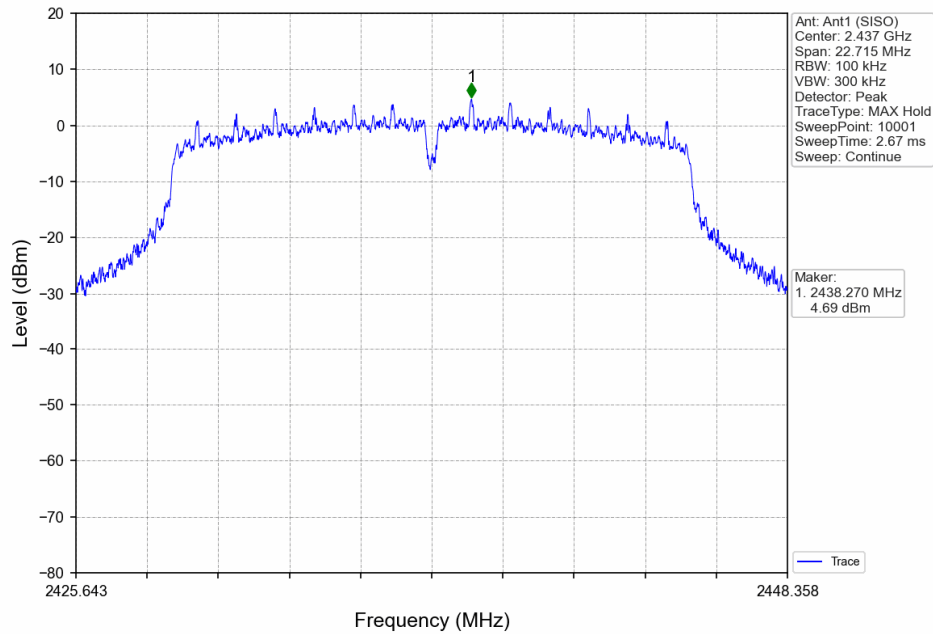
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



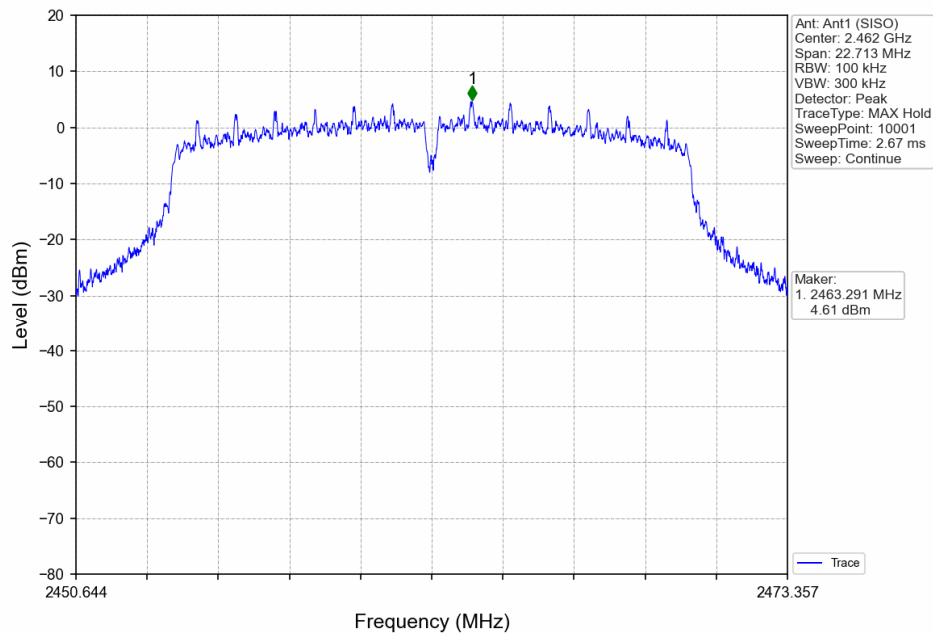
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



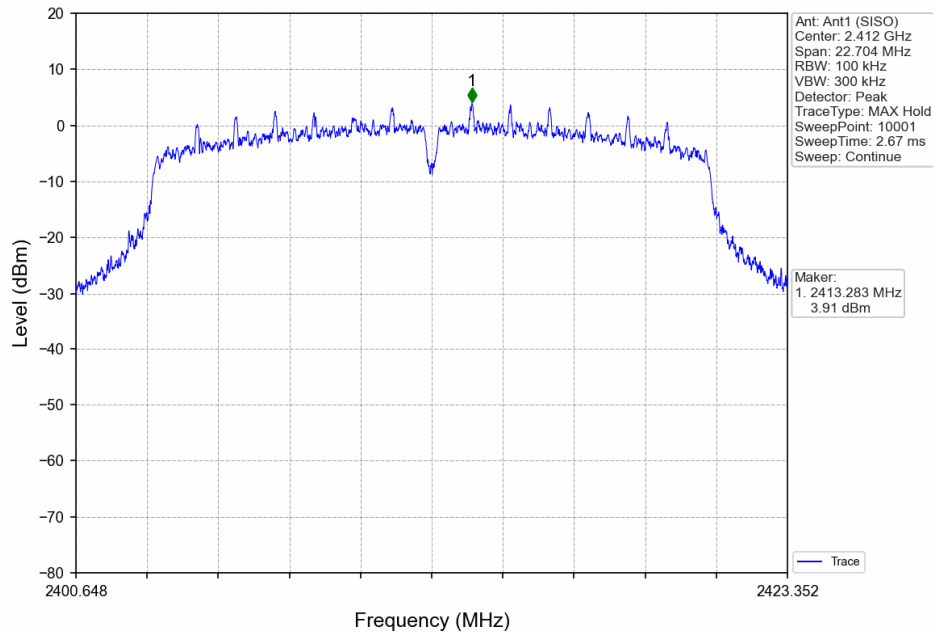
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



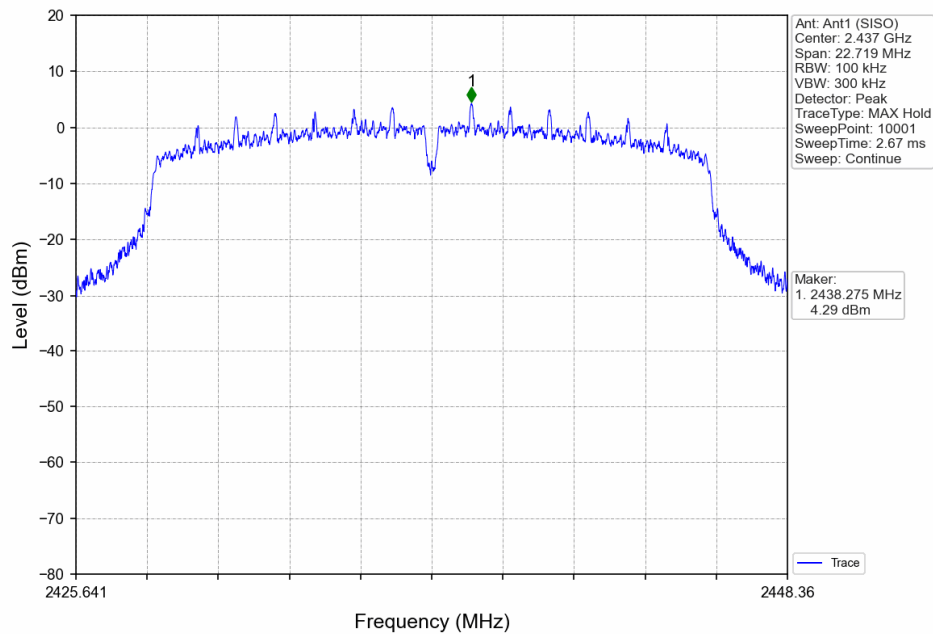
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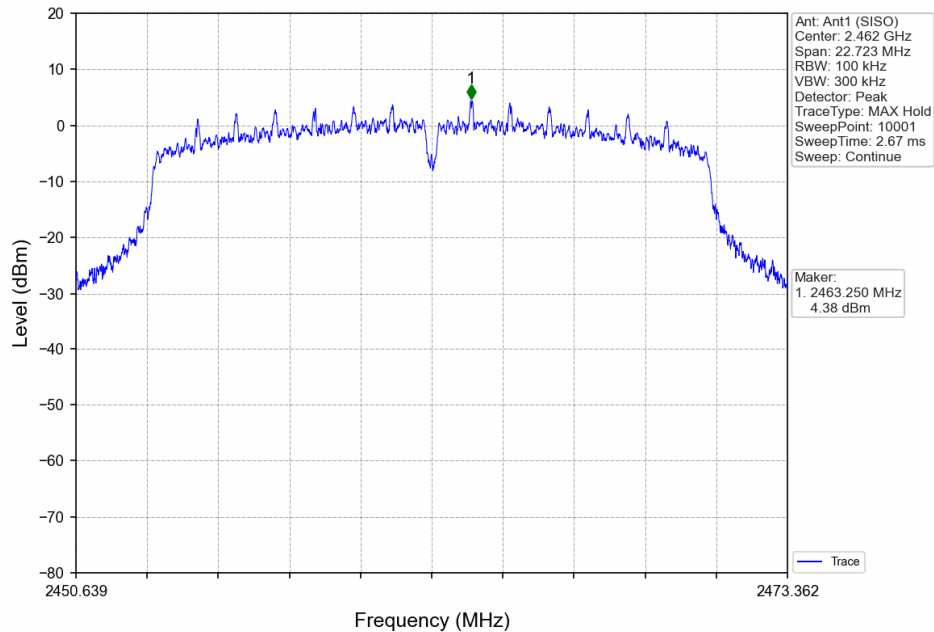
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



## 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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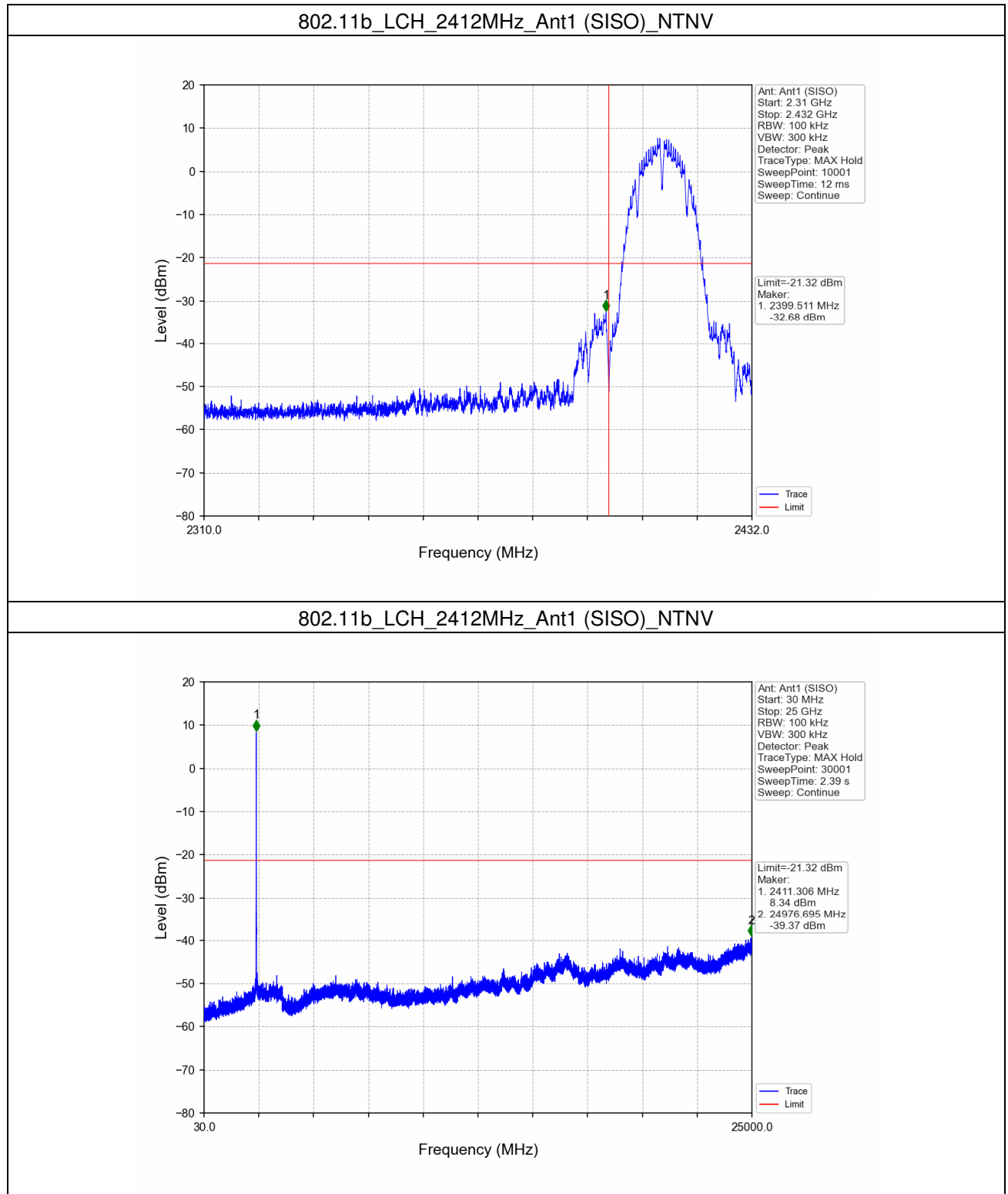
## 3.2 CSE

## 3.2.1 Test Result

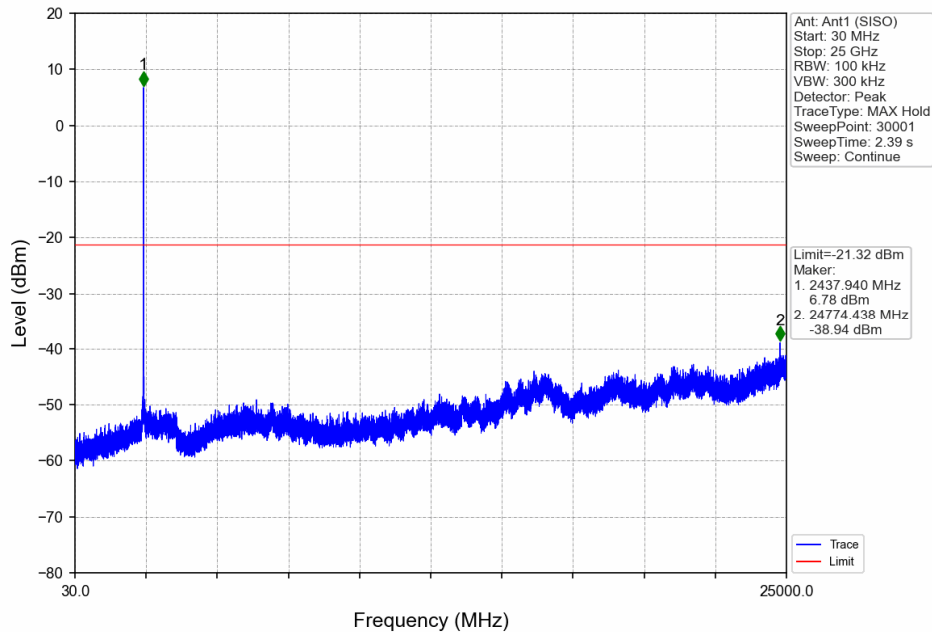
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	8.68	-21.32	Pass
		2437	1	8.68	-21.32	Pass
		2462	1	8.68	-21.32	Pass
802.11g	SISO	2412	1	4.69	-25.31	Pass
		2437	1	4.69	-25.31	Pass
		2462	1	4.69	-25.31	Pass
802.11n (HT20)	SISO	2412	1	4.38	-25.62	Pass
		2437	1	4.38	-25.62	Pass
		2462	1	4.38	-25.62	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.

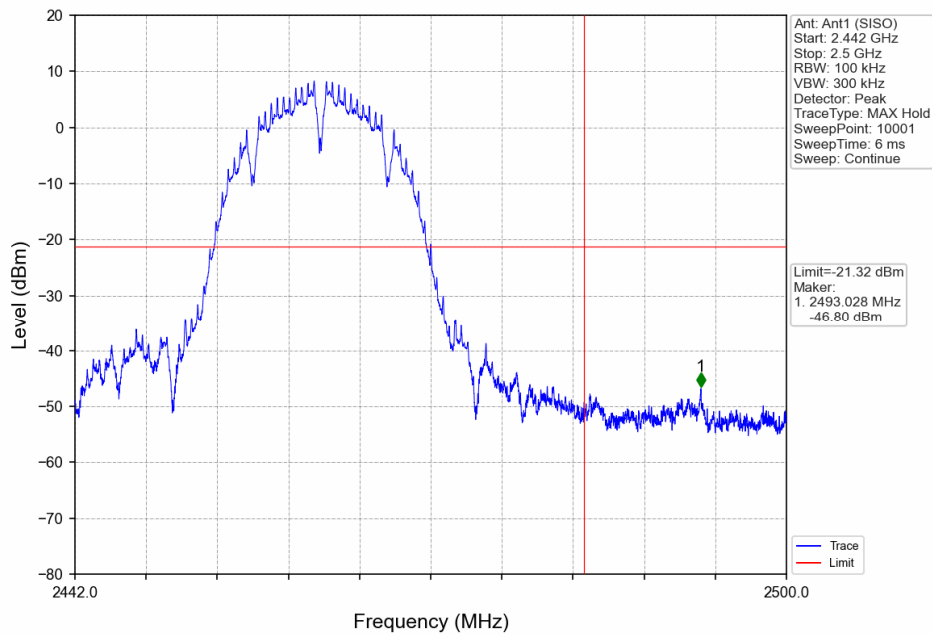
### 3.2.2 Test Graph



### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

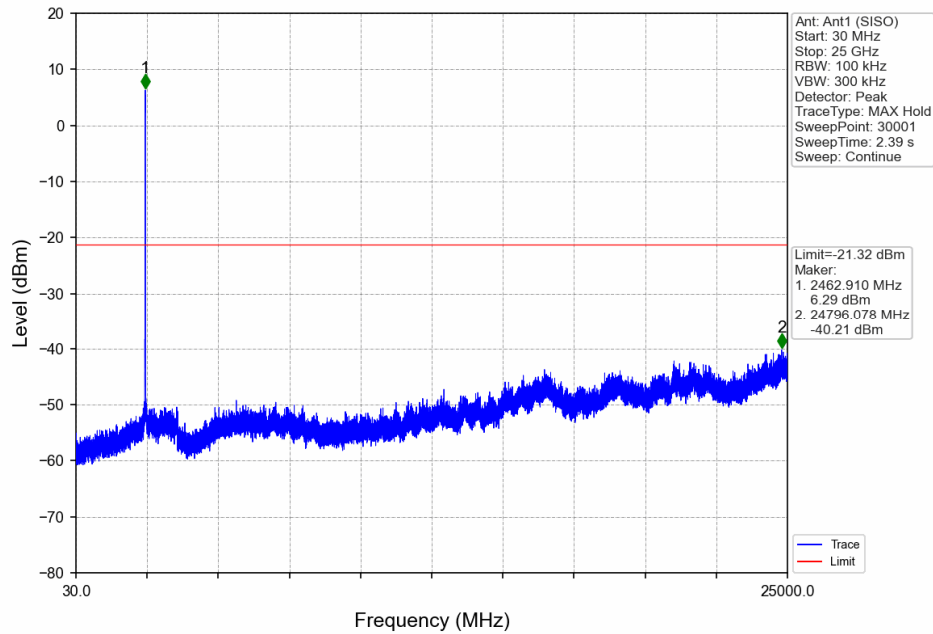


### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

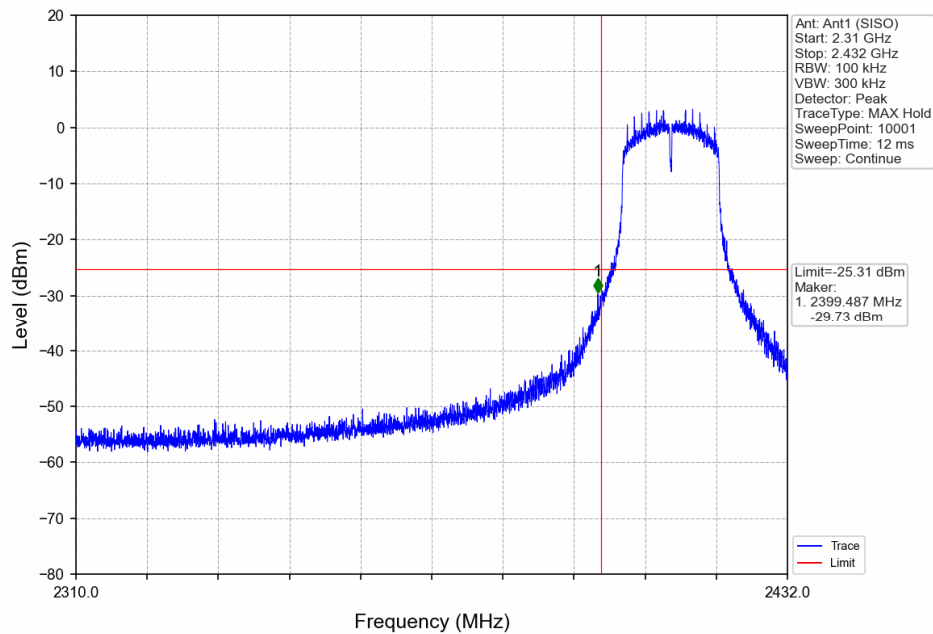




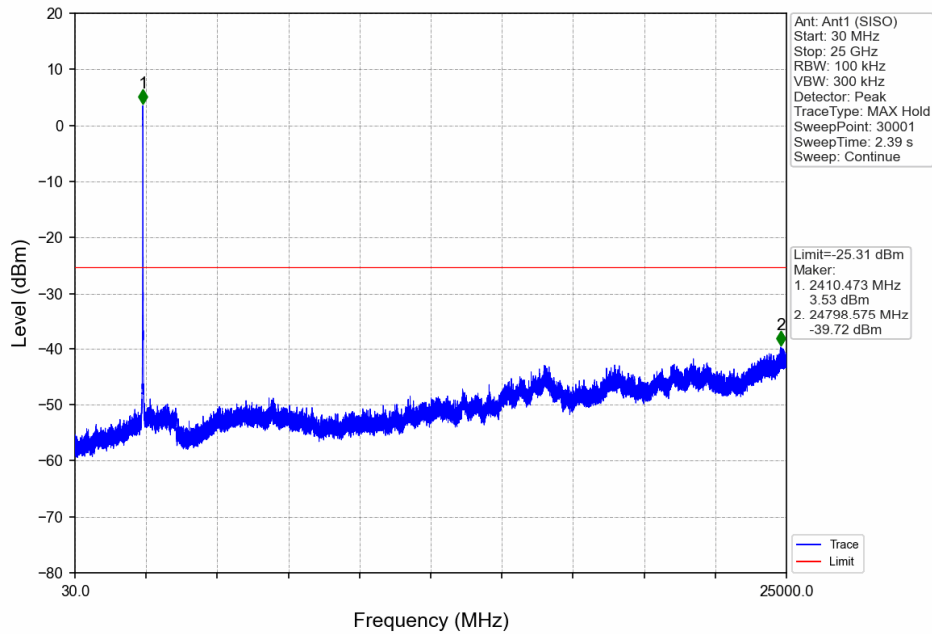
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



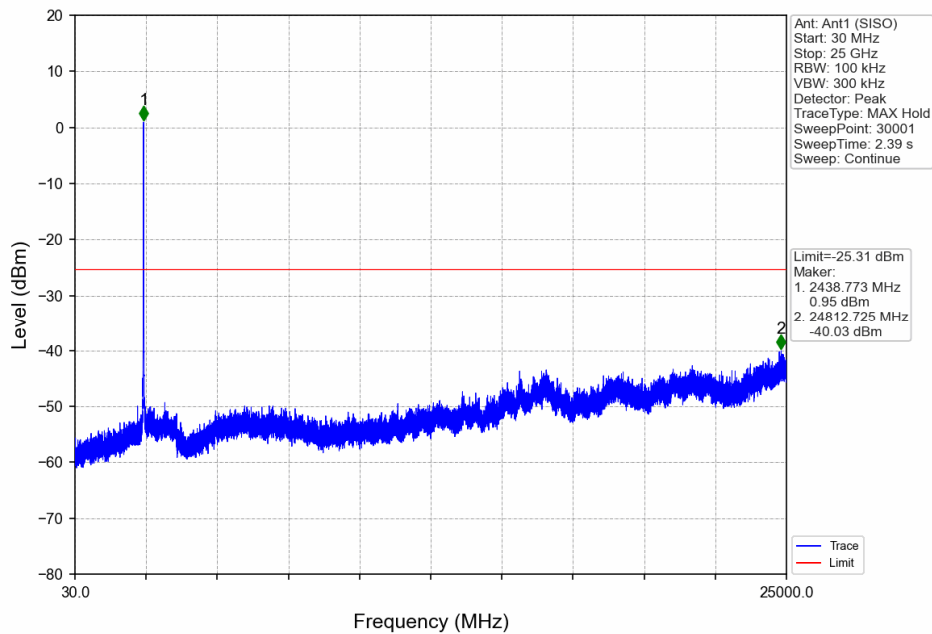
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



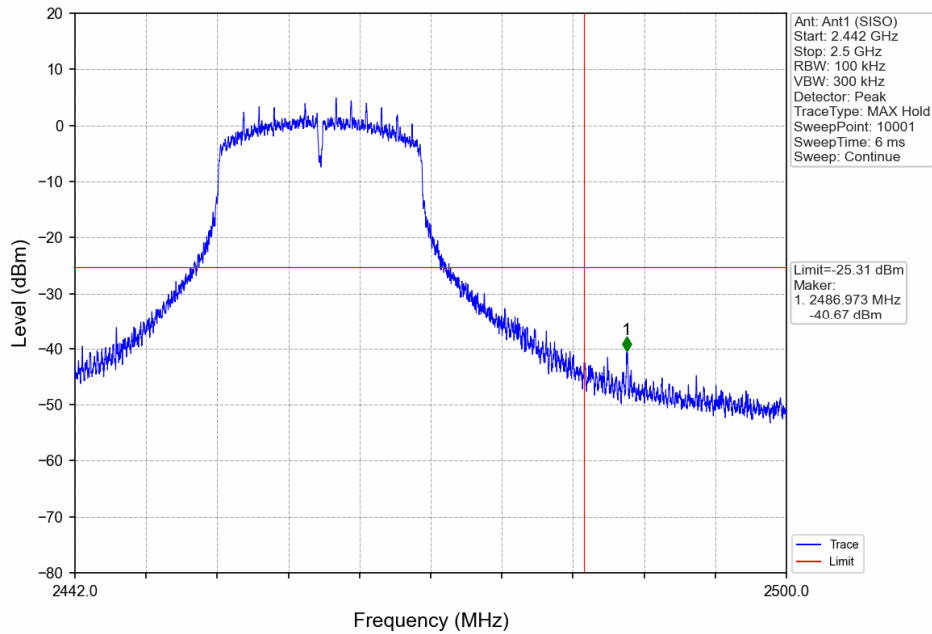
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



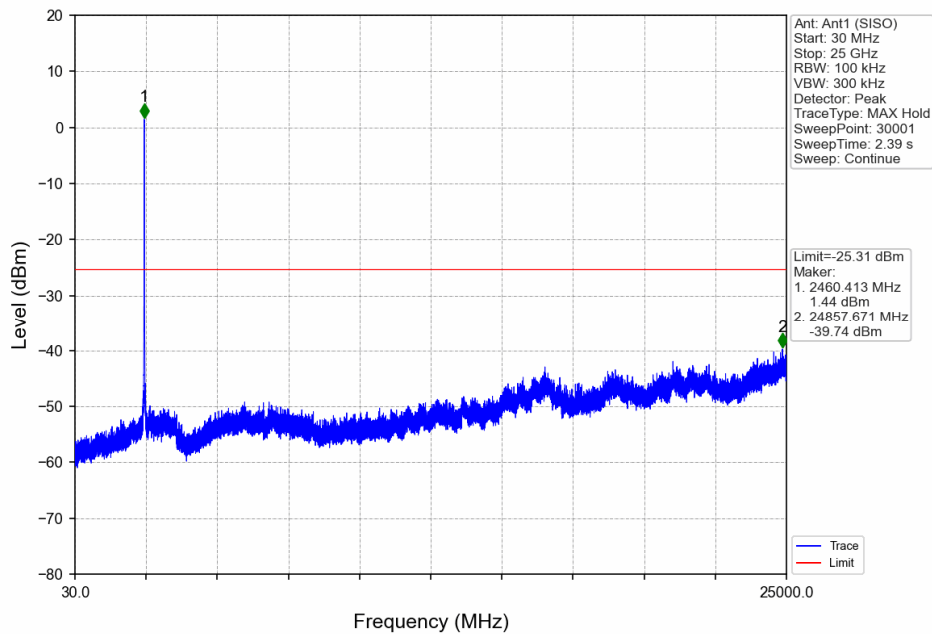
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

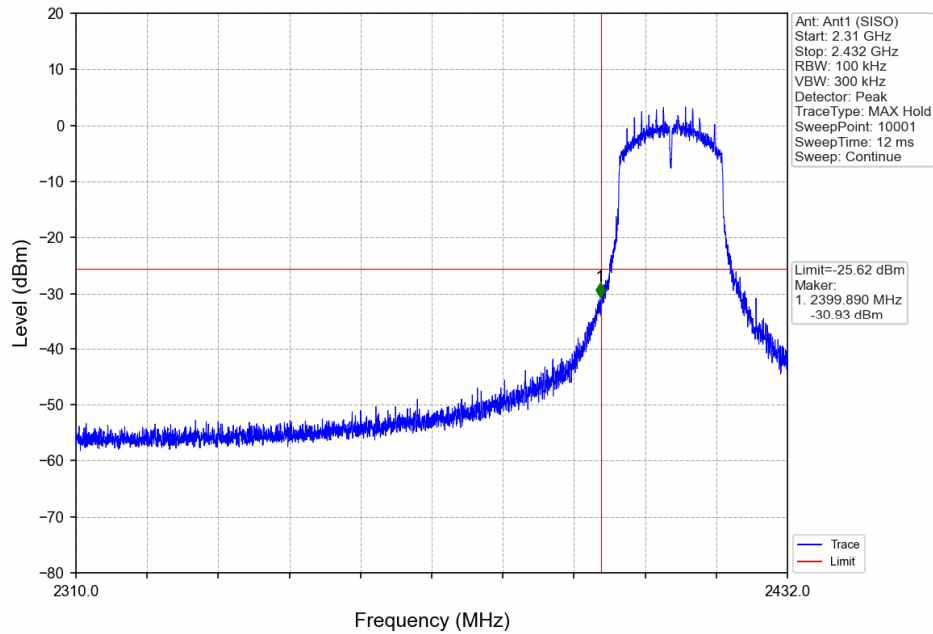


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

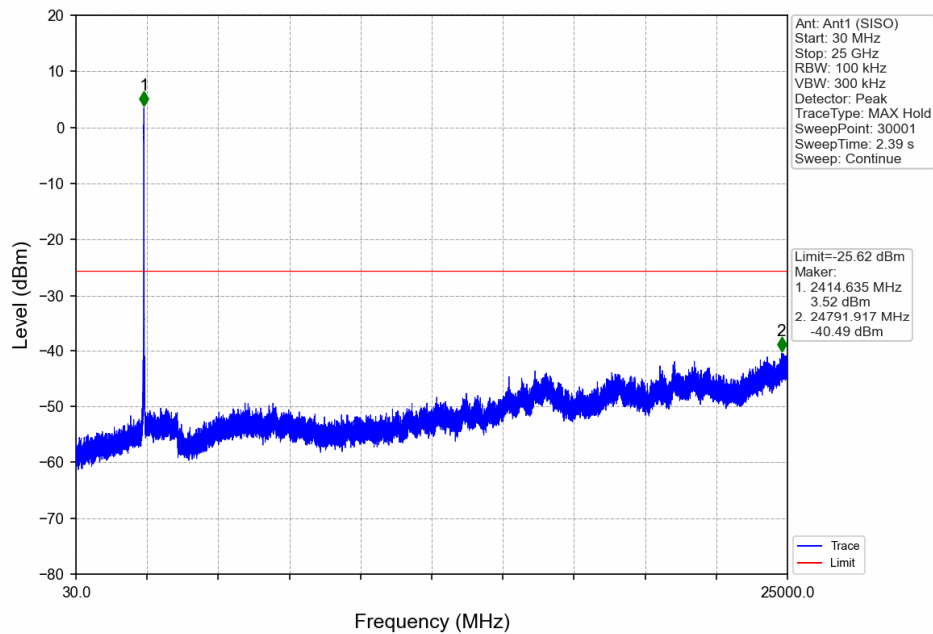


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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

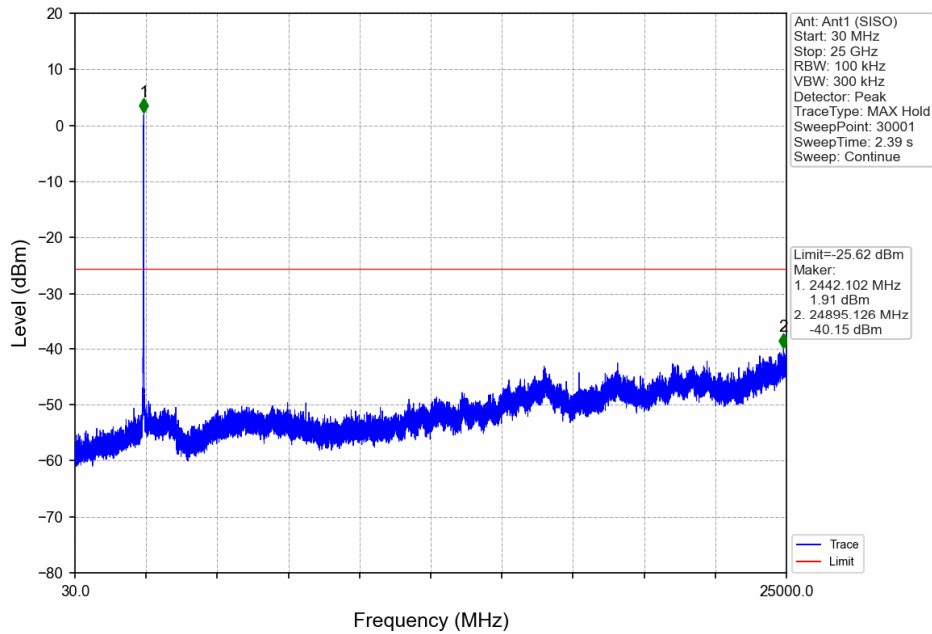


### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

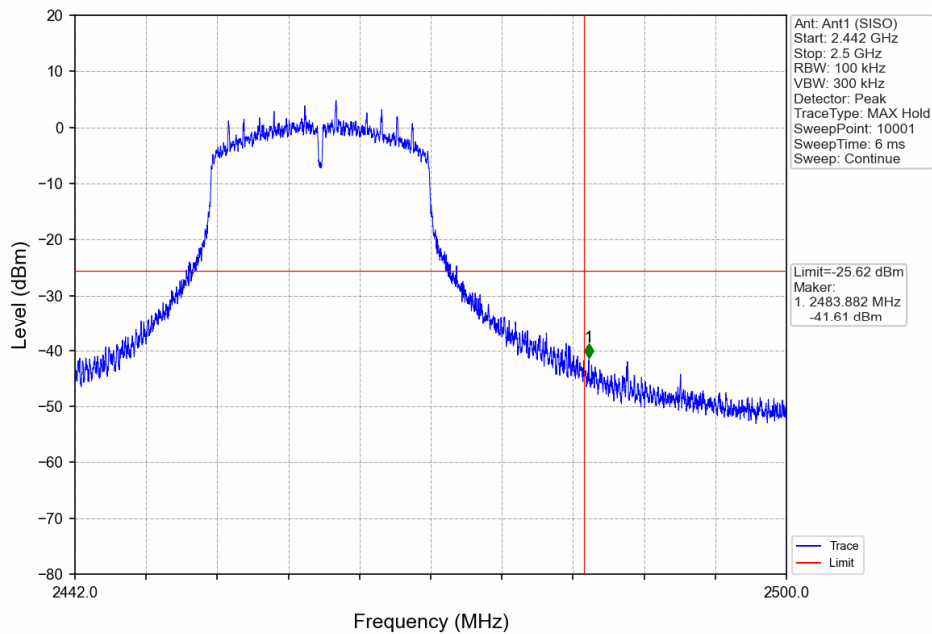


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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

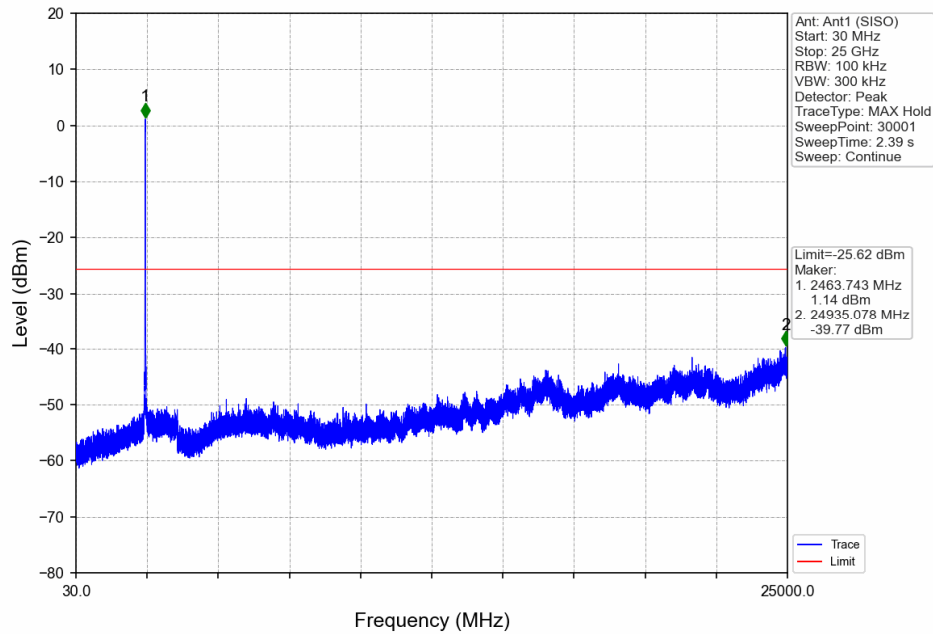


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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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## 4. Duty Cycle

## 4.1 Ant1

## 4.1.1 Test Result

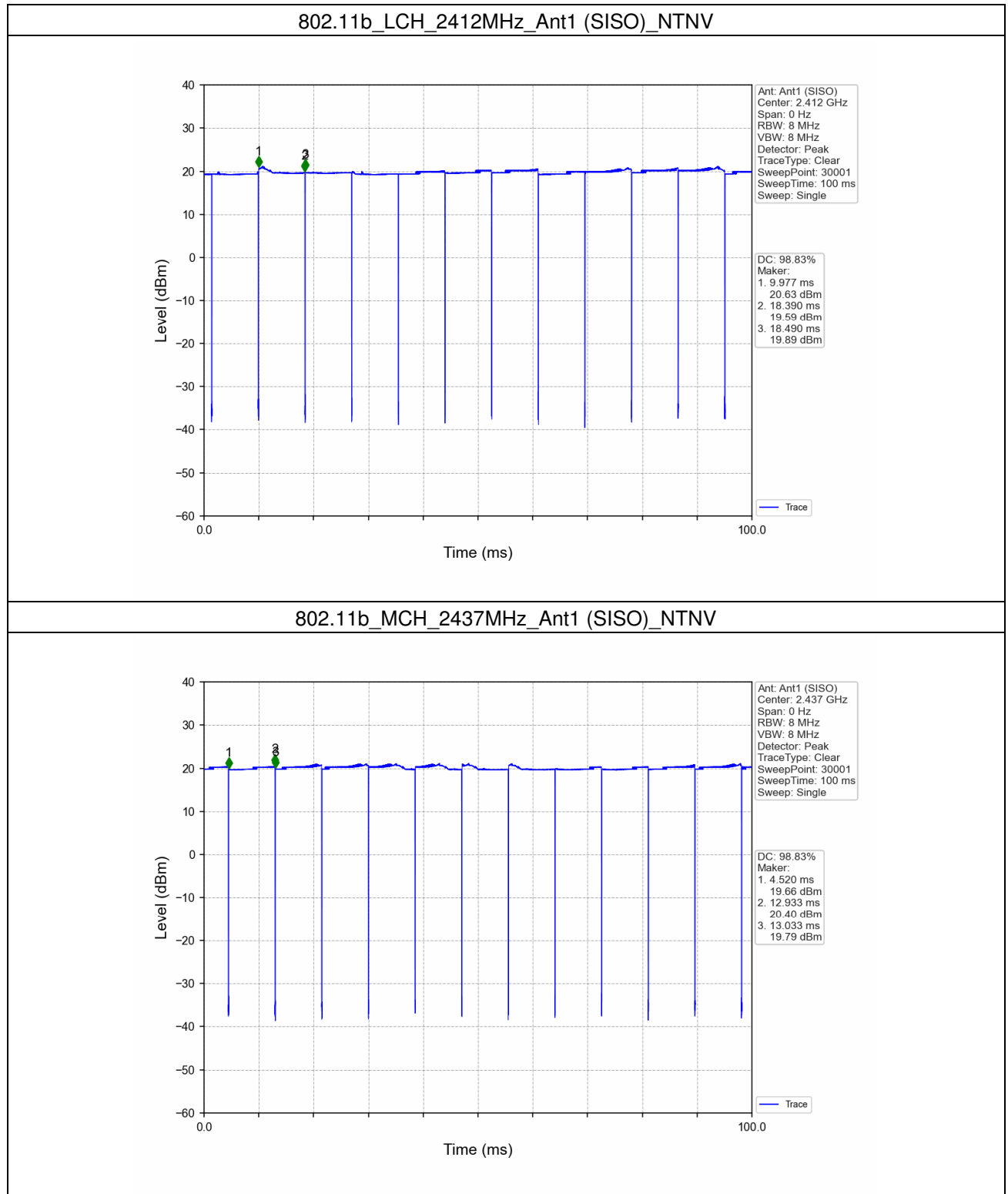
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.41	8.51	98.83	0.05	0.04
		2437	8.41	8.51	98.83	0.05	0.04
		2462	8.41	8.51	98.83	0.05	0.04
802.11g	SISO	2412	1.39	1.50	92.99	0.32	0.03
		2437	1.40	1.50	93.32	0.30	0.03
		2462	1.40	1.50	93.25	0.30	0.03
802.11n (HT20)	SISO	2412	1.31	1.41	92.83	0.32	0.03
		2437	1.30	1.41	92.55	0.34	0.03
		2462	1.30	1.41	92.55	0.34	0.03



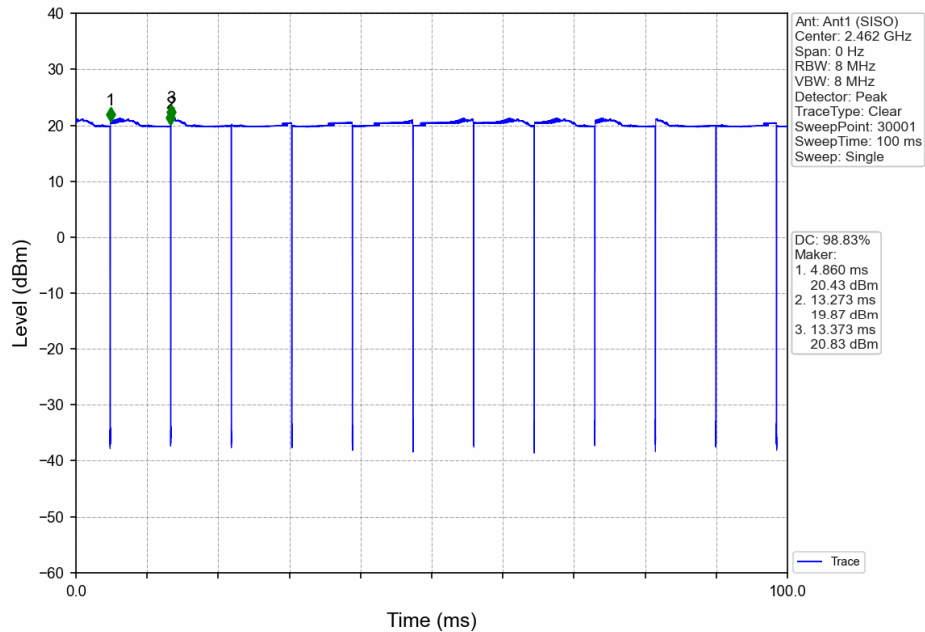
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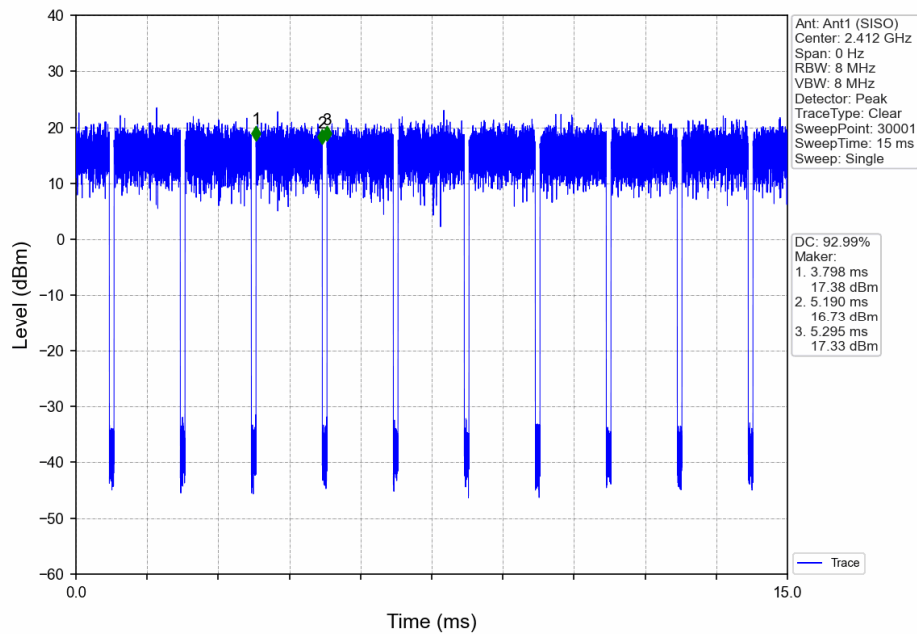
### 8.1.2 Test Graph



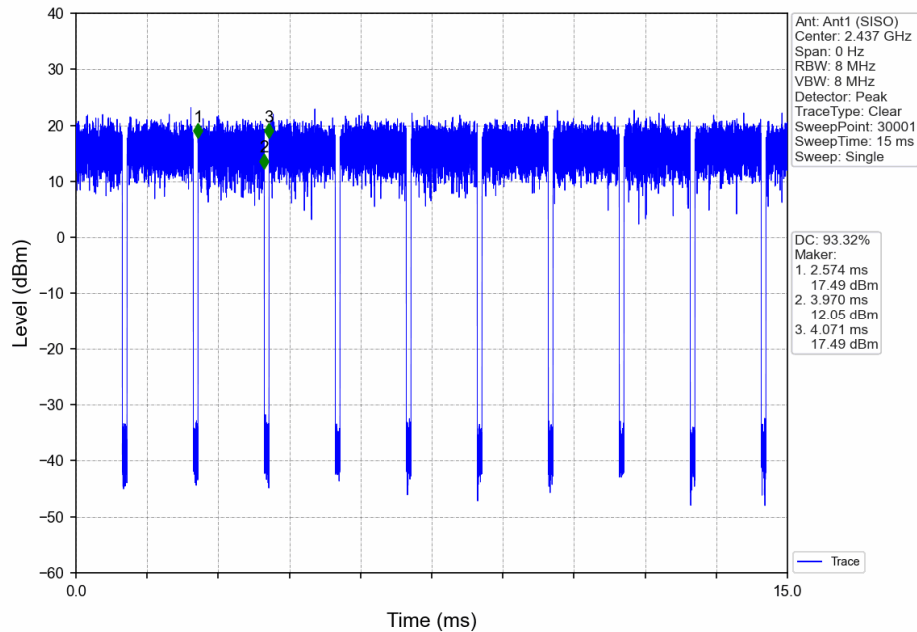
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



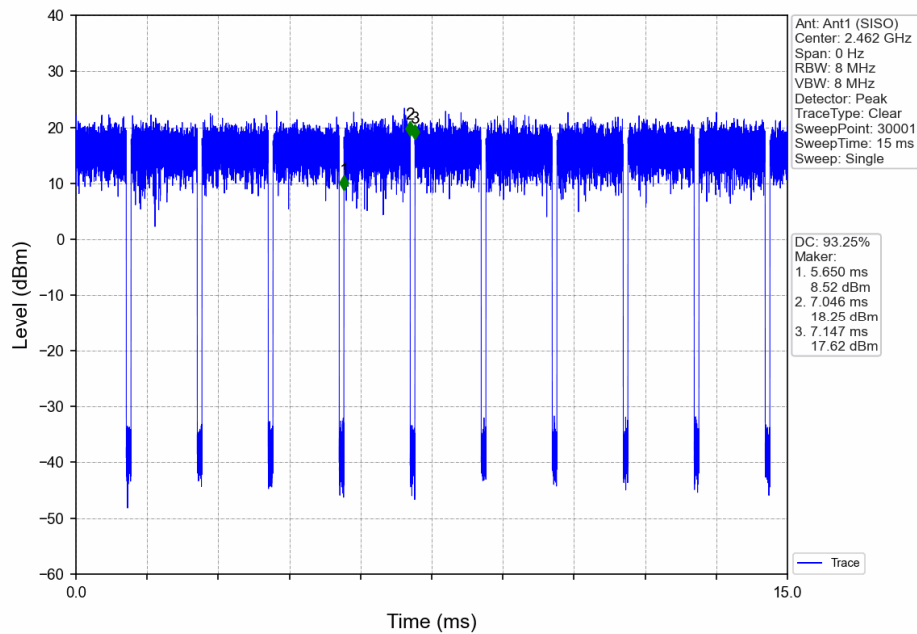
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

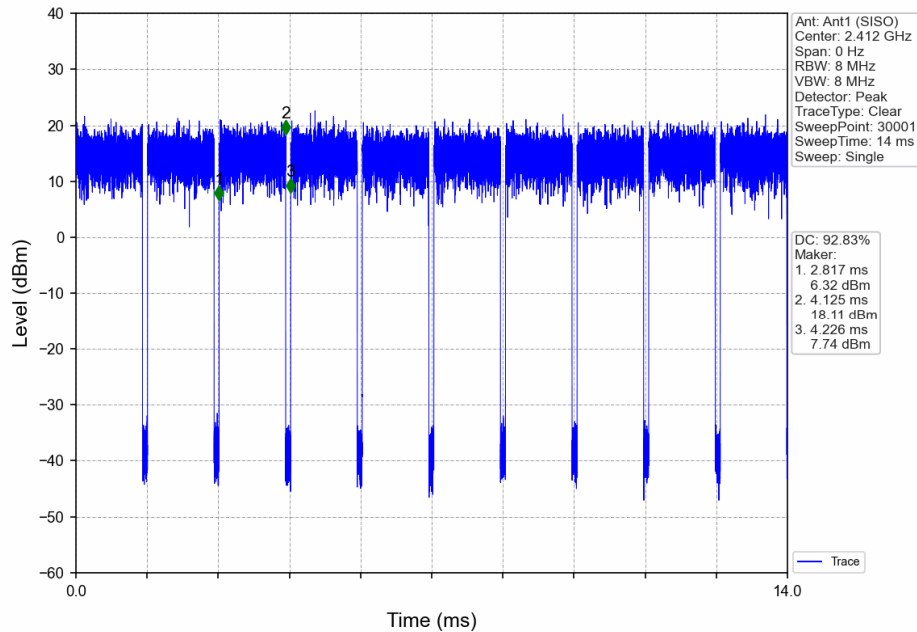


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

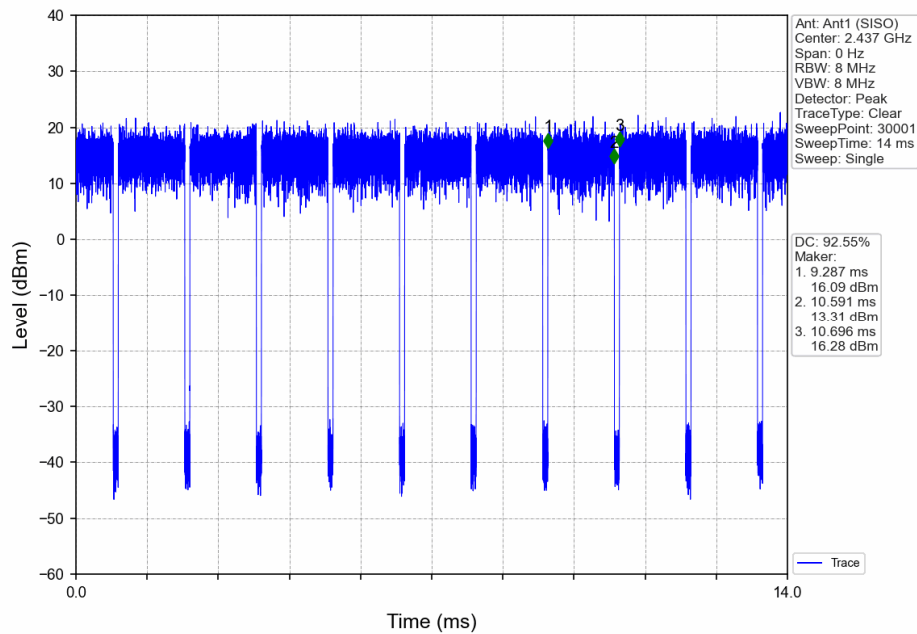




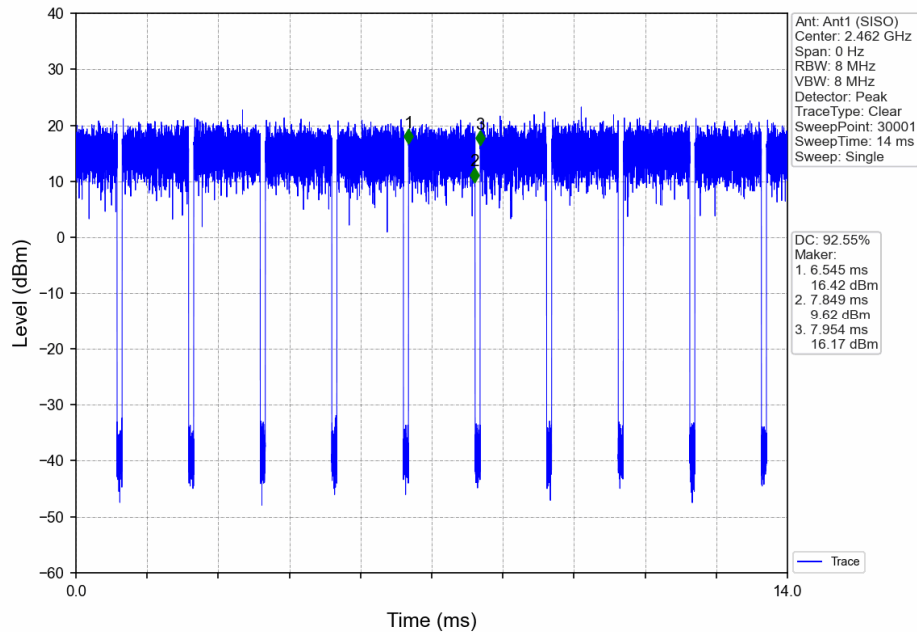
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



## 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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## 5. Maximum Power Spectral Density

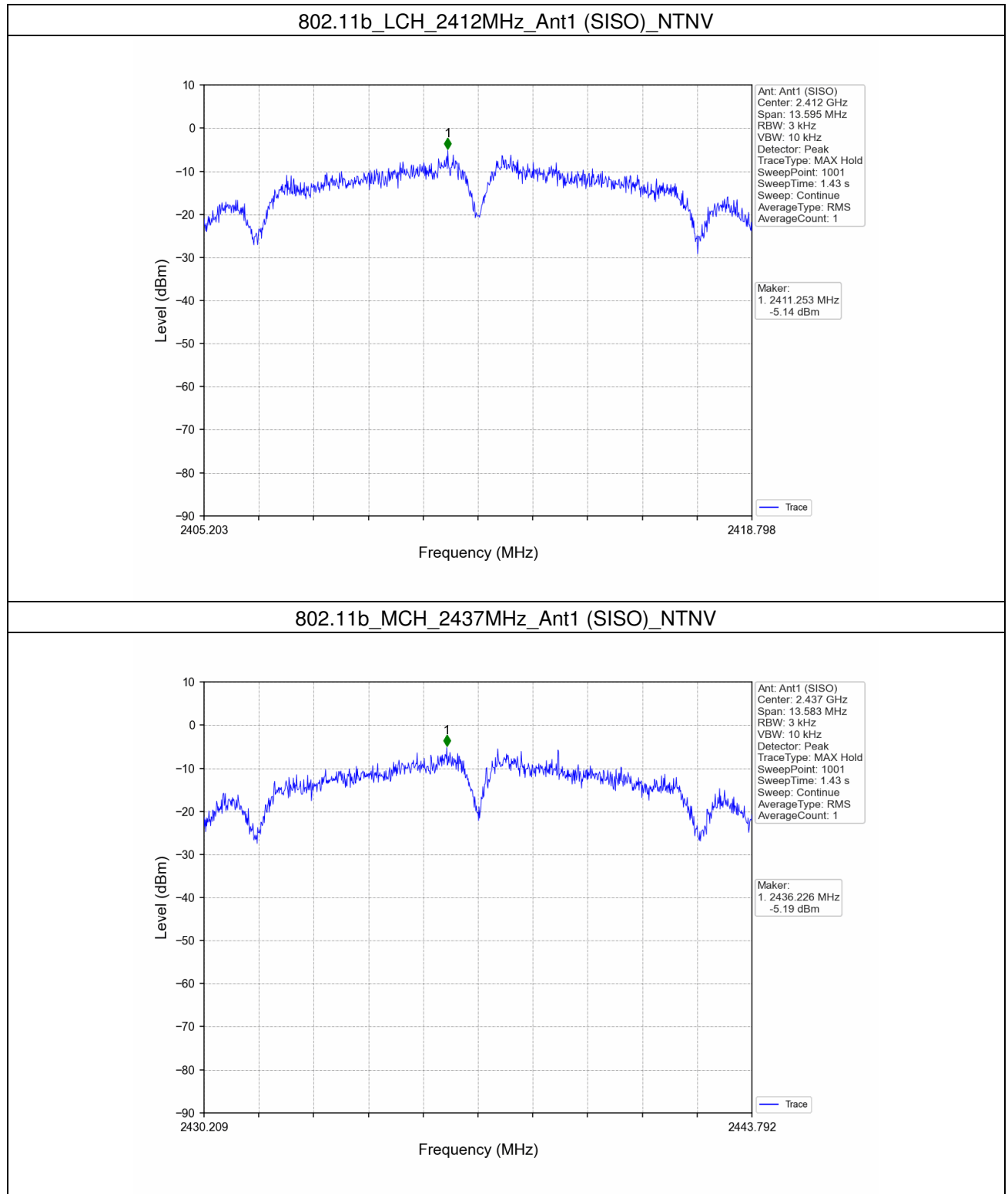
## 5.1 PSD

## 5.1.1 Test Result

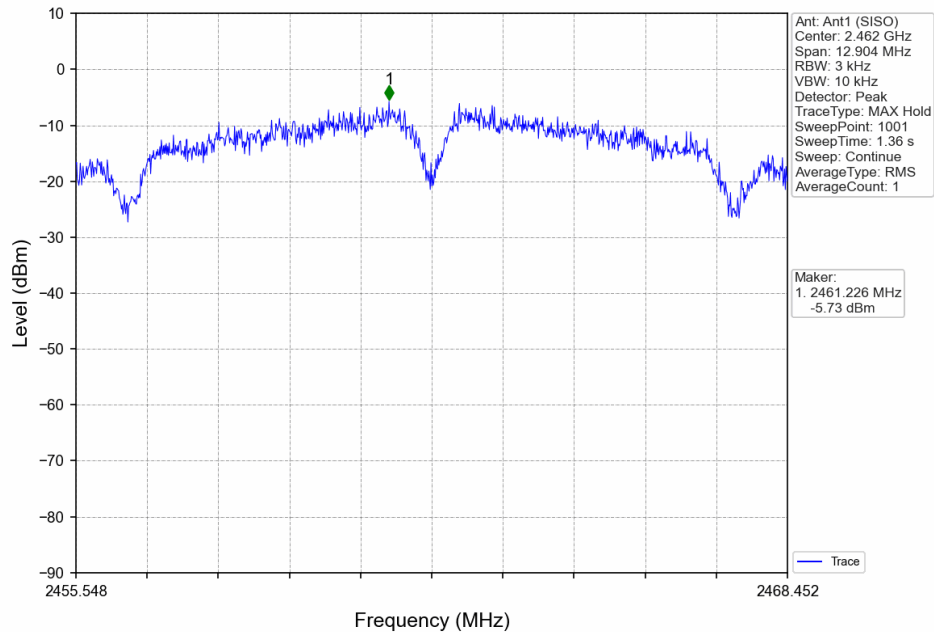
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-5.14	<=8	Pass
		2437	-5.19	<=8	Pass
		2462	-5.73	<=8	Pass
802.11g	SISO	2412	-10.34	<=8	Pass
		2437	-9.08	<=8	Pass
		2462	-9.96	<=8	Pass
802.11n (HT20)	SISO	2412	-10.65	<=8	Pass
		2437	-10.13	<=8	Pass
		2462	-9.88	<=8	Pass

Note1: Antenna Gain: Ant1: -0.60dBi;

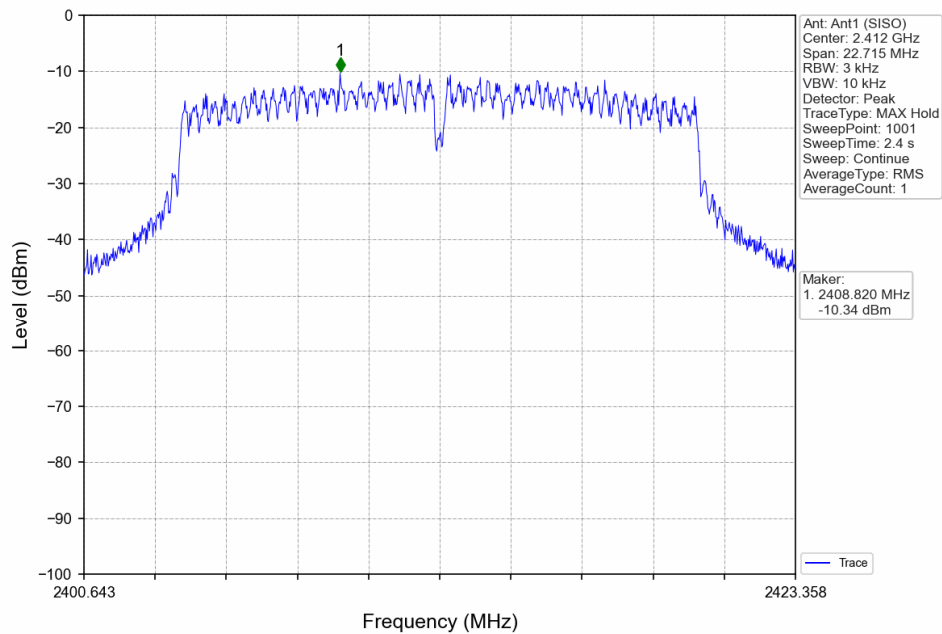
### 9.1.2 Test Graph



802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

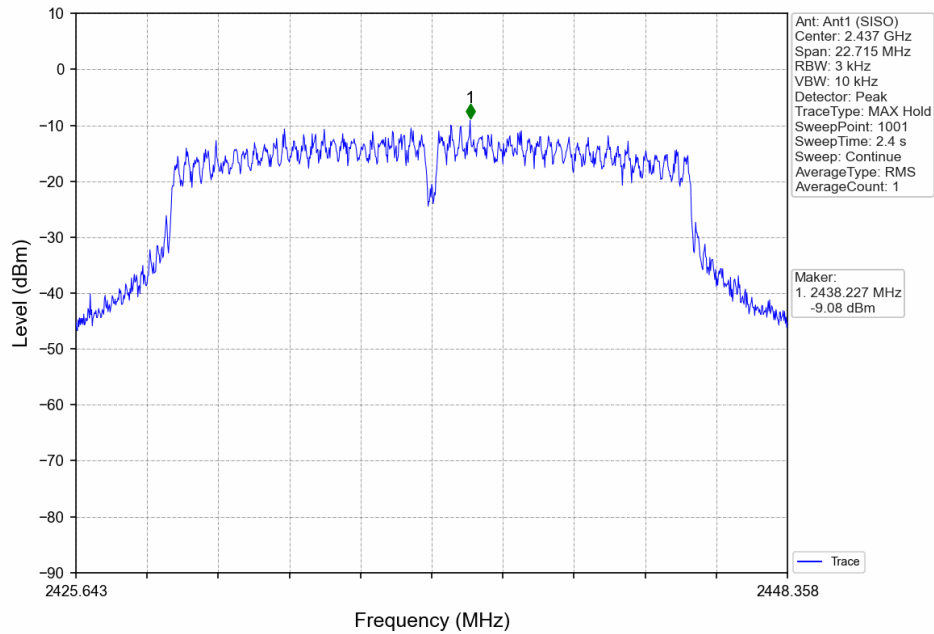


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

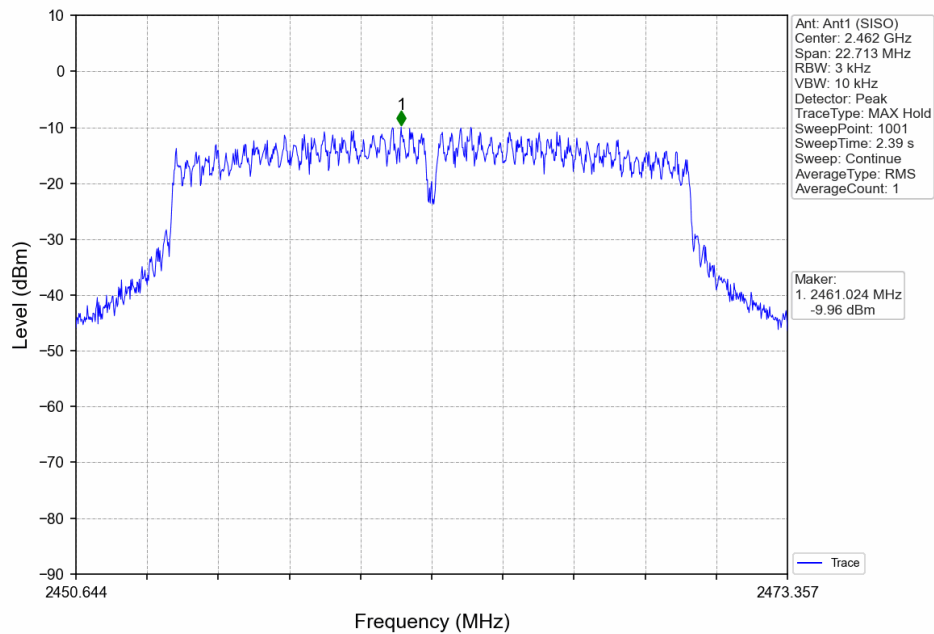




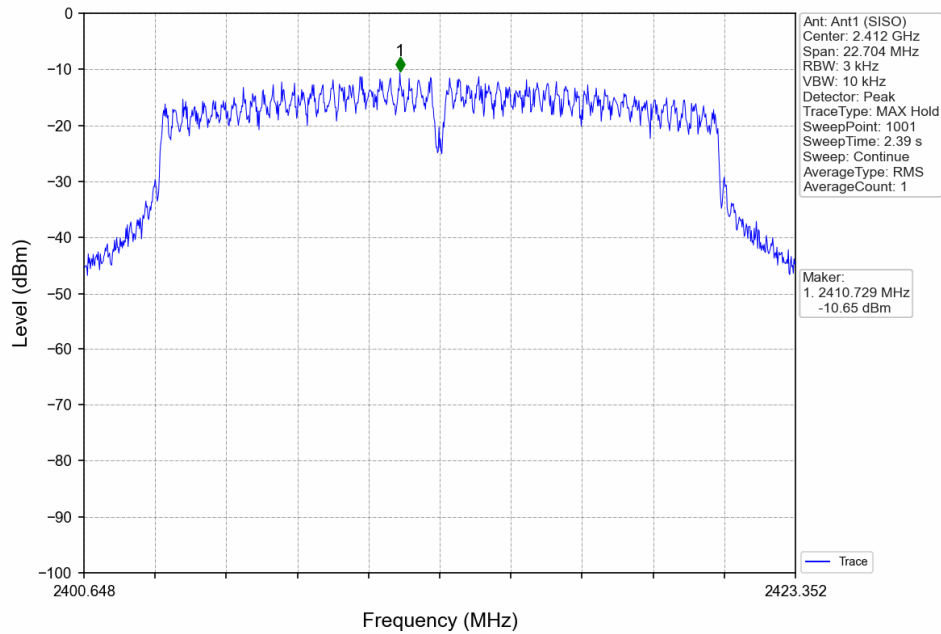
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



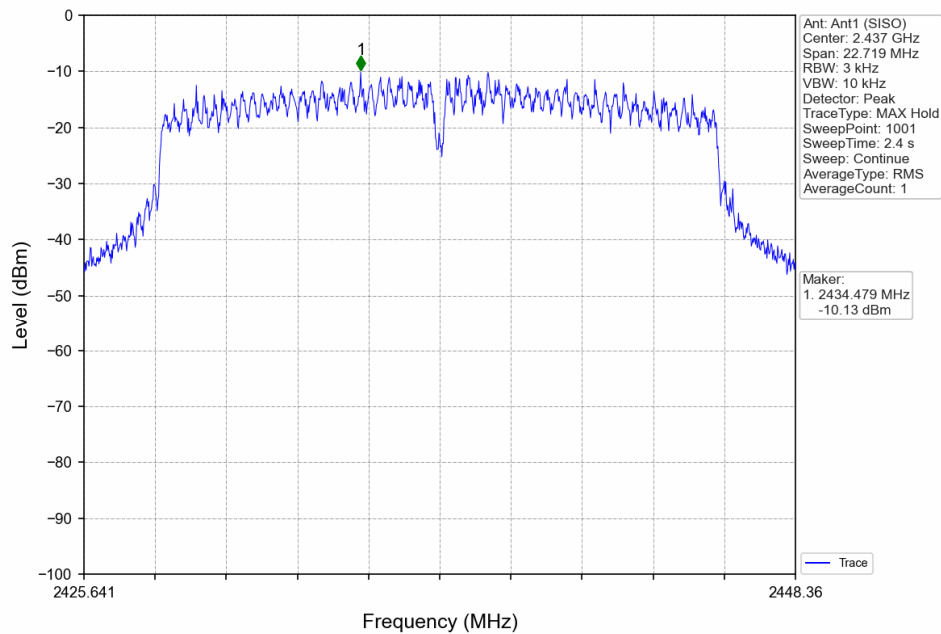
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



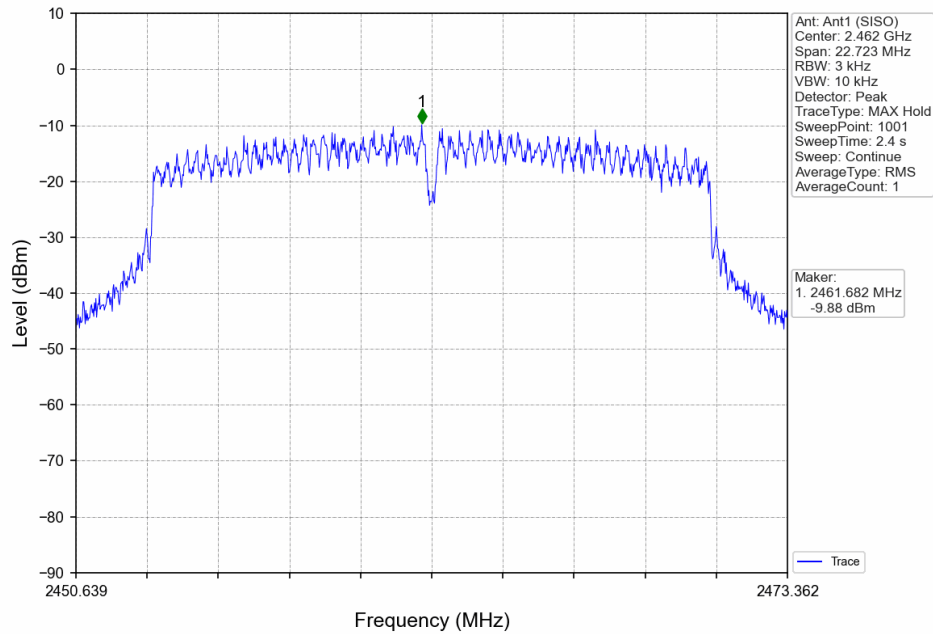
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



- End of the Report -