



## Appendix A

### RF Test Data for BT LE (Conducted Measurement)

Product Name: AXMC-R

Test Model: AXMC-R

#### Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

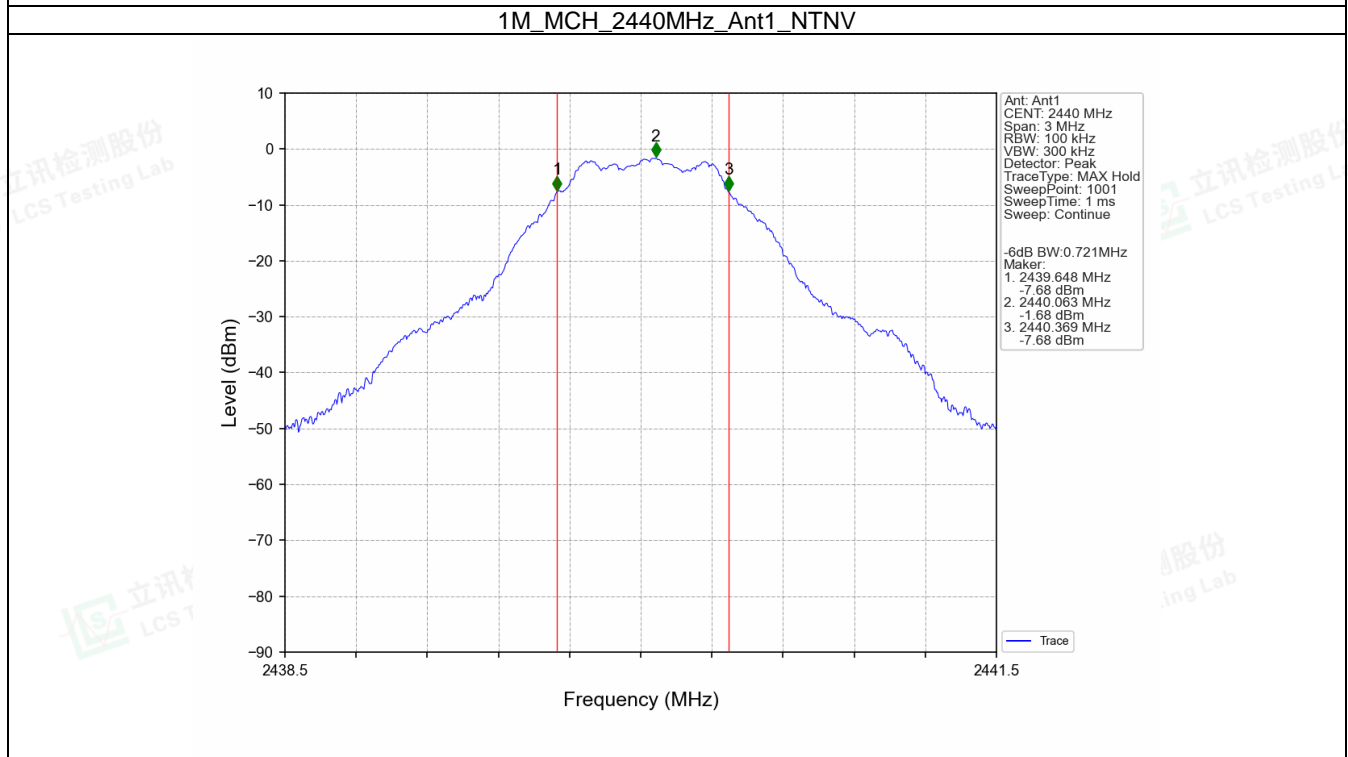
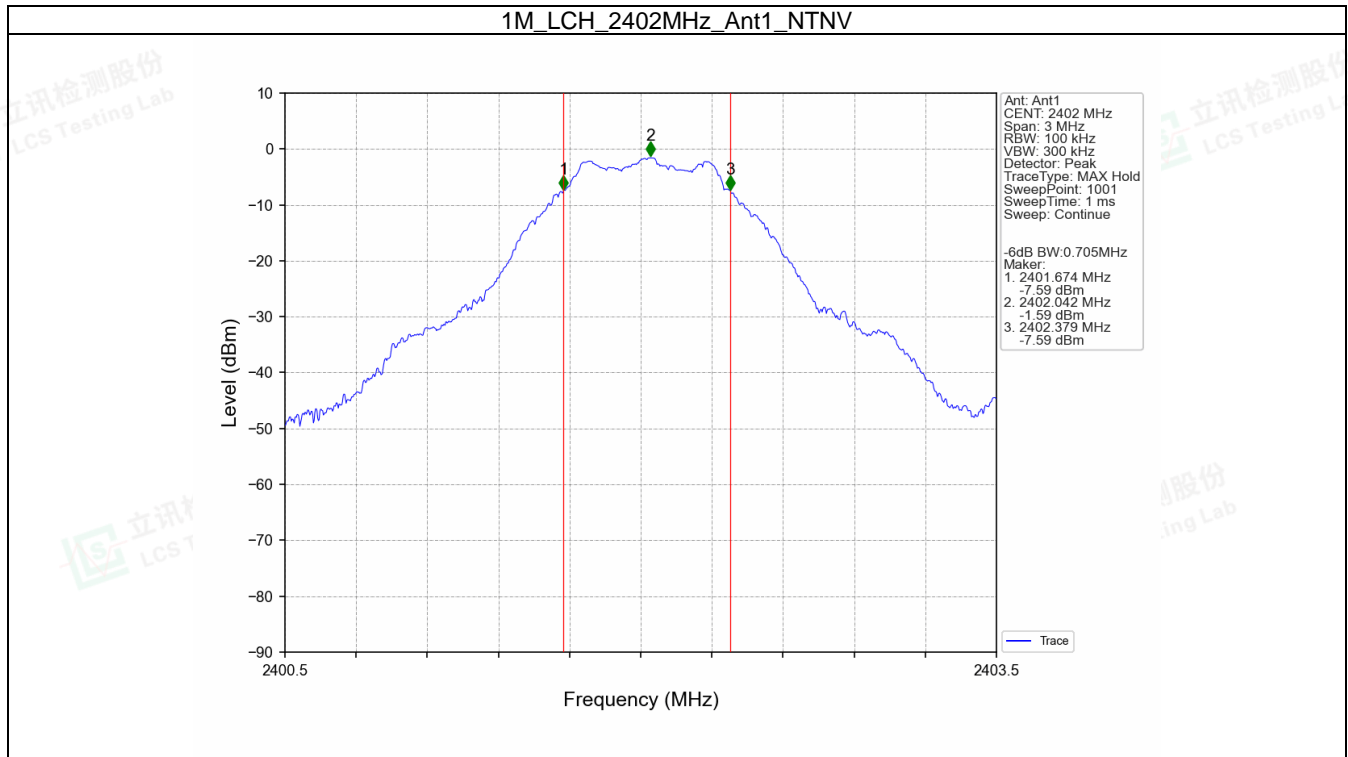


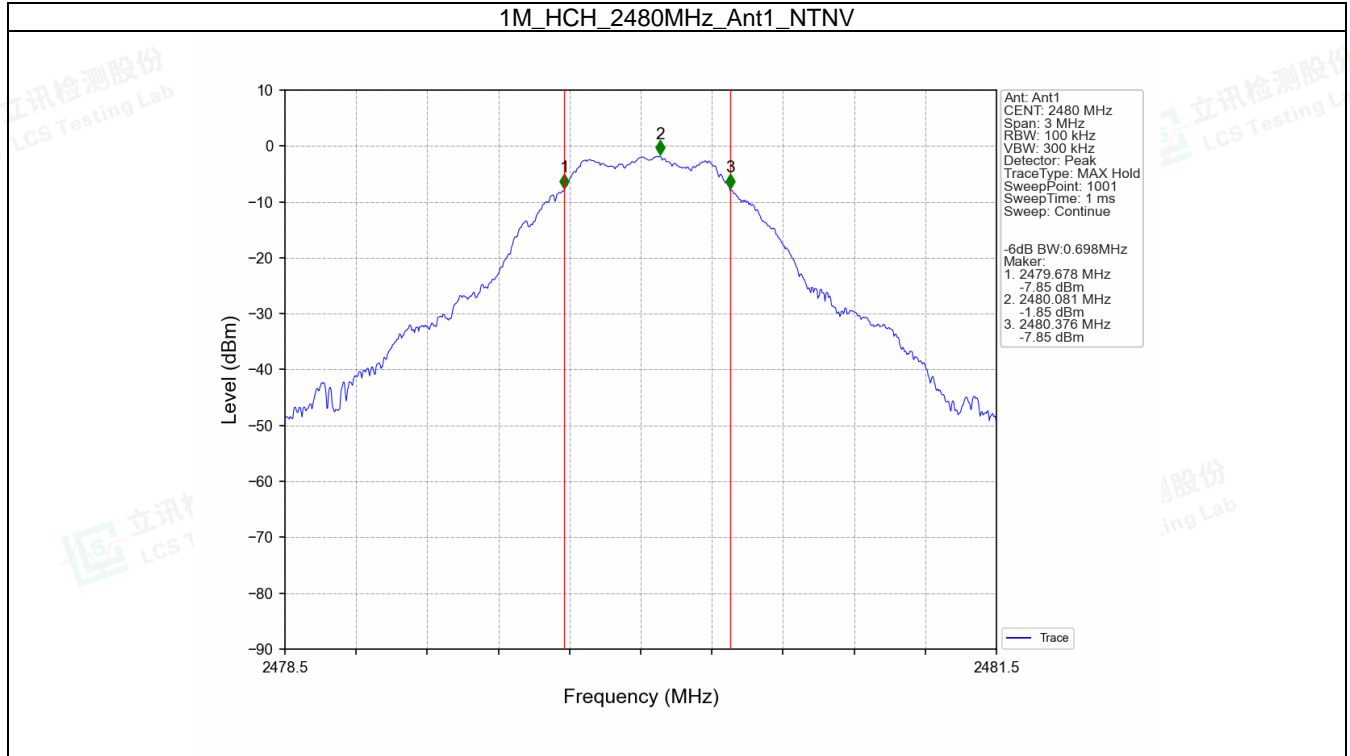


## A.1 -6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.705	$\geq 0.5$	Pass
		2440	1	0.721	$\geq 0.5$	Pass
		2480	1	0.698	$\geq 0.5$	Pass





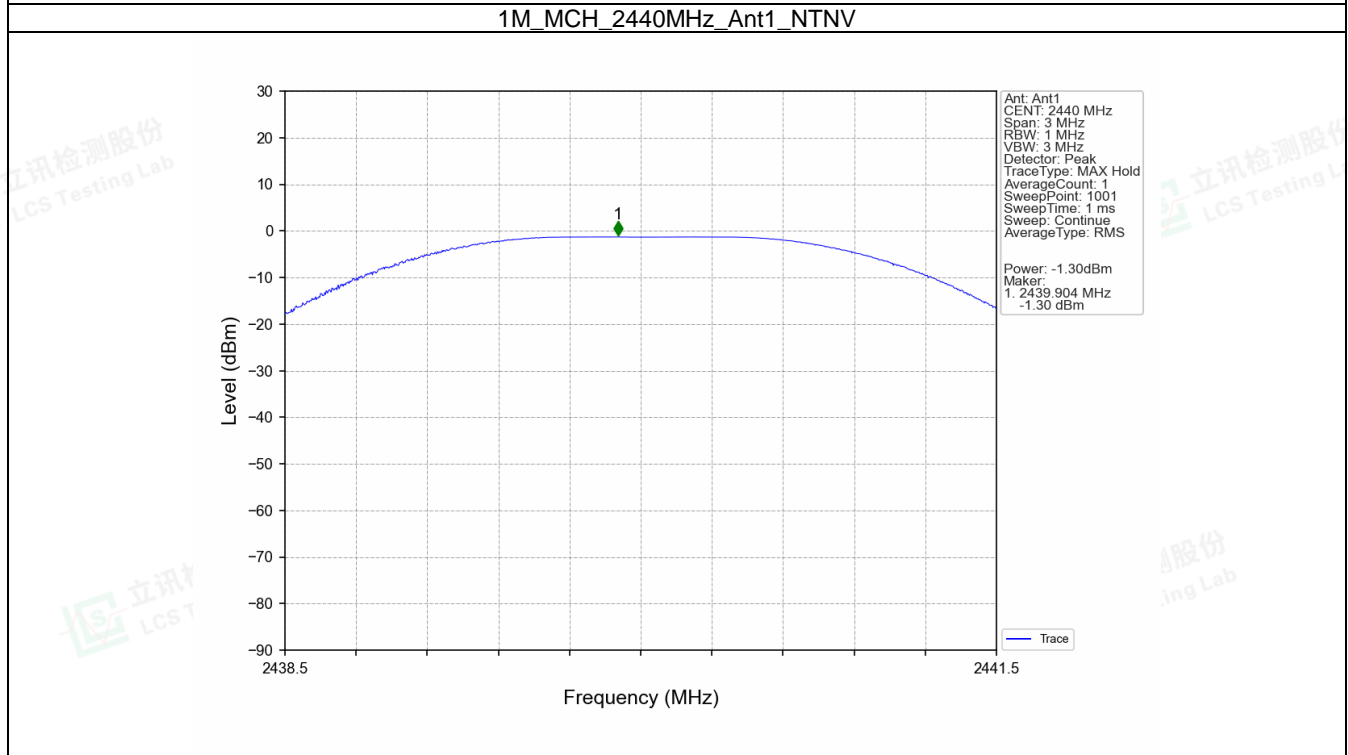
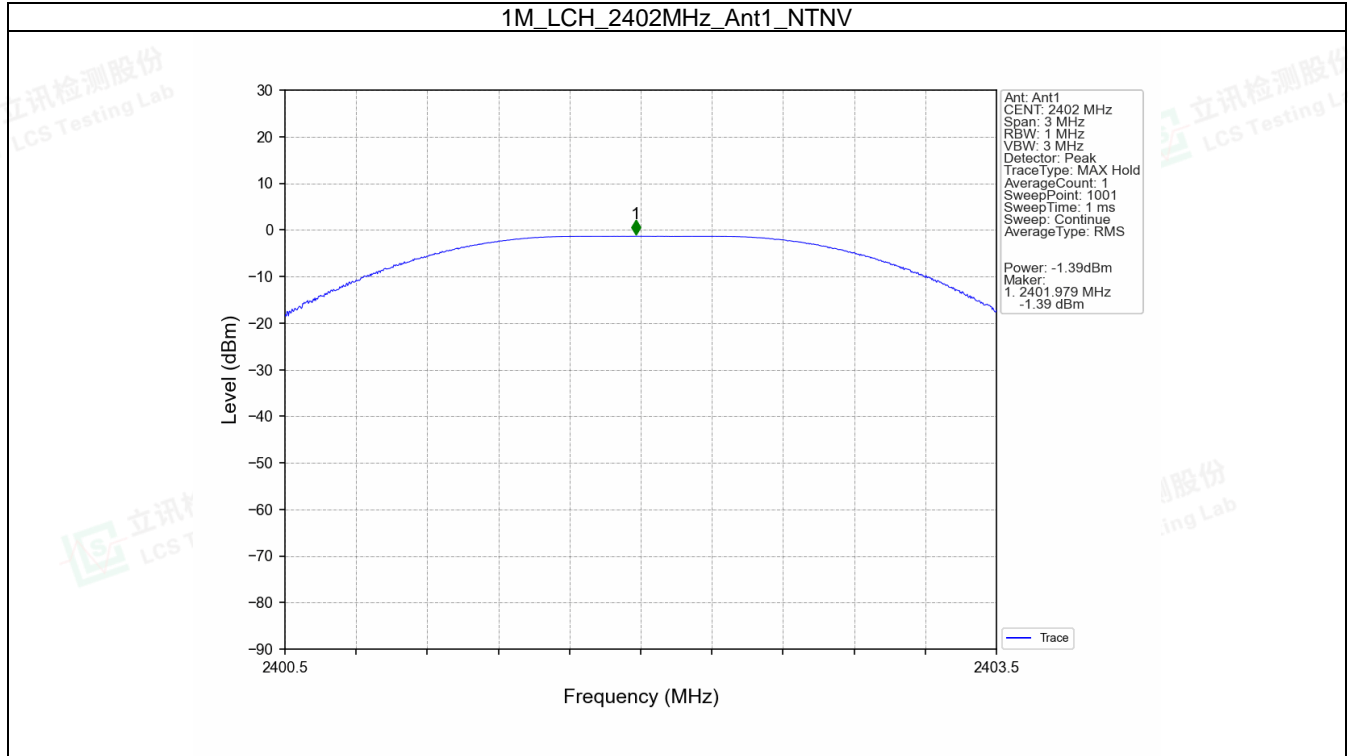


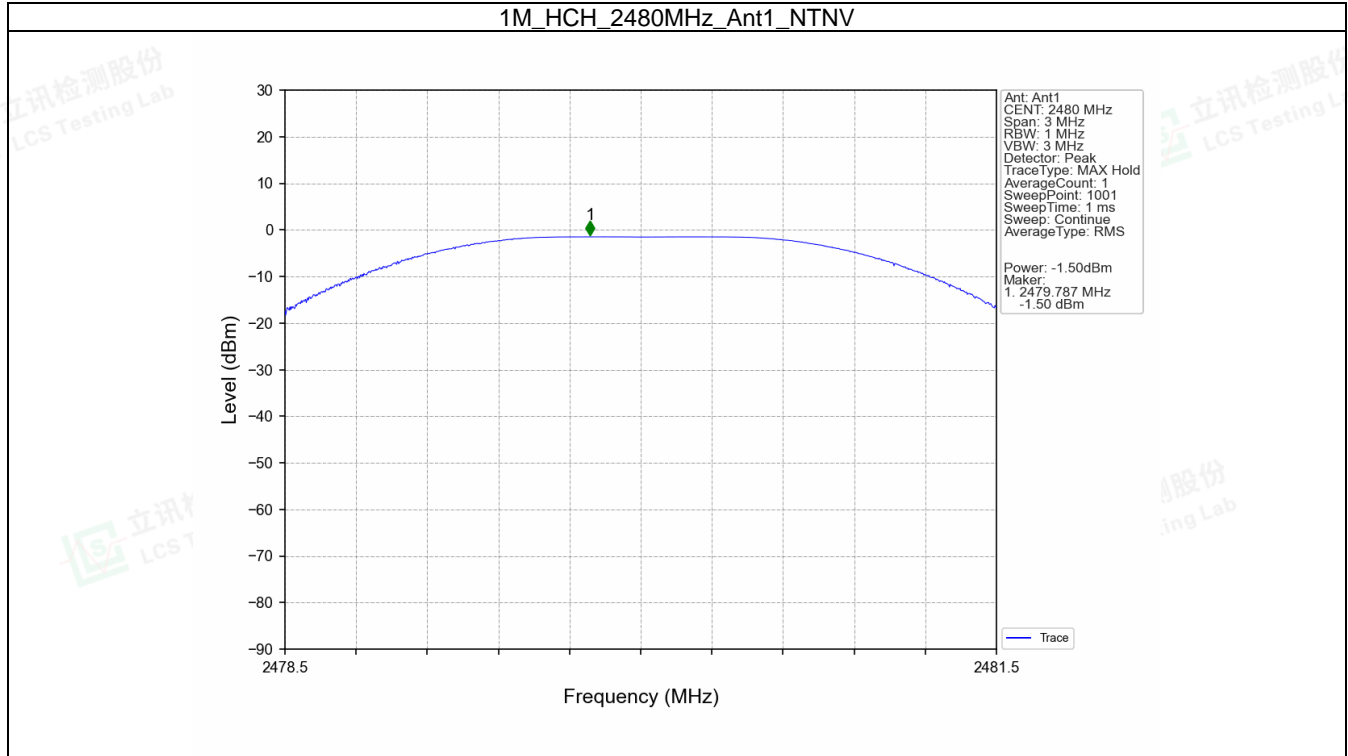


## A.2 Maximum Peak Conducted Output Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-1.39	<=30	Pass
		2440	-1.30	<=30	Pass
		2480	-1.50	<=30	Pass







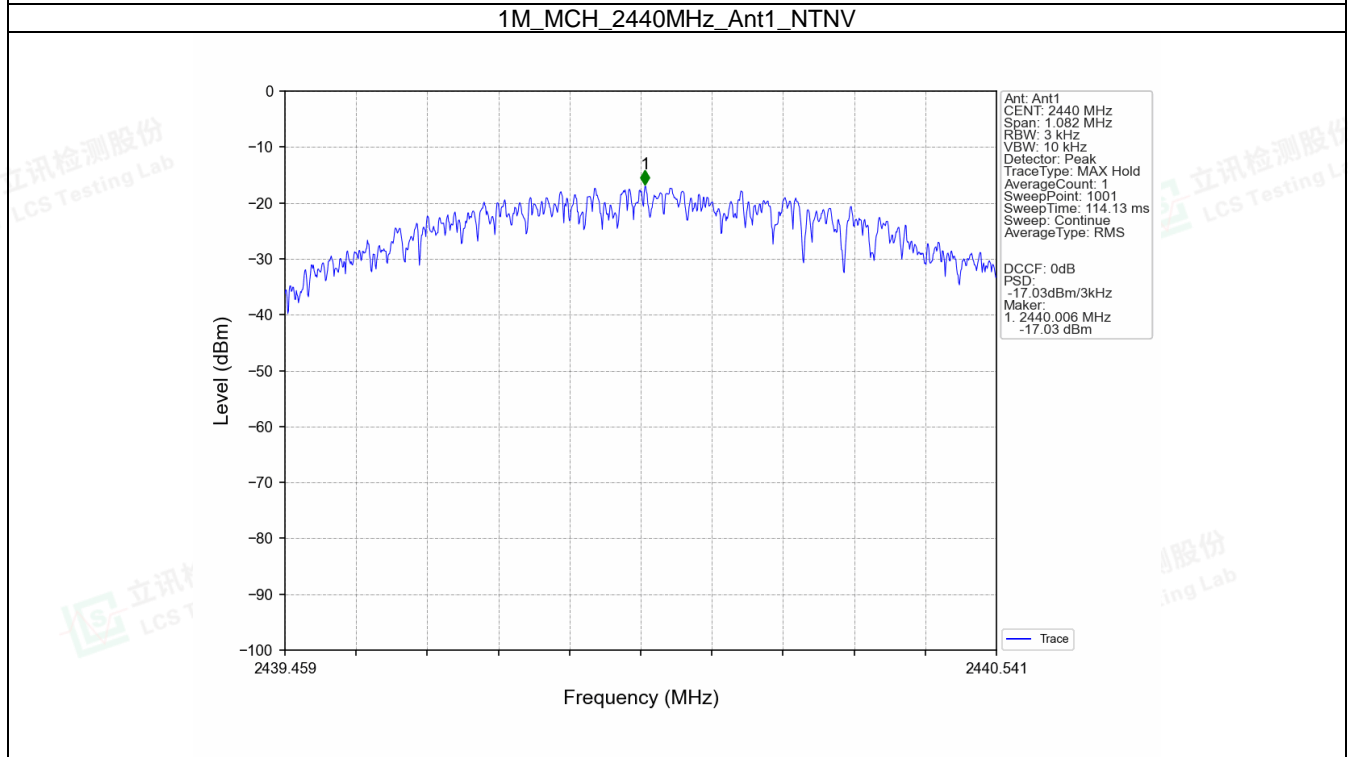
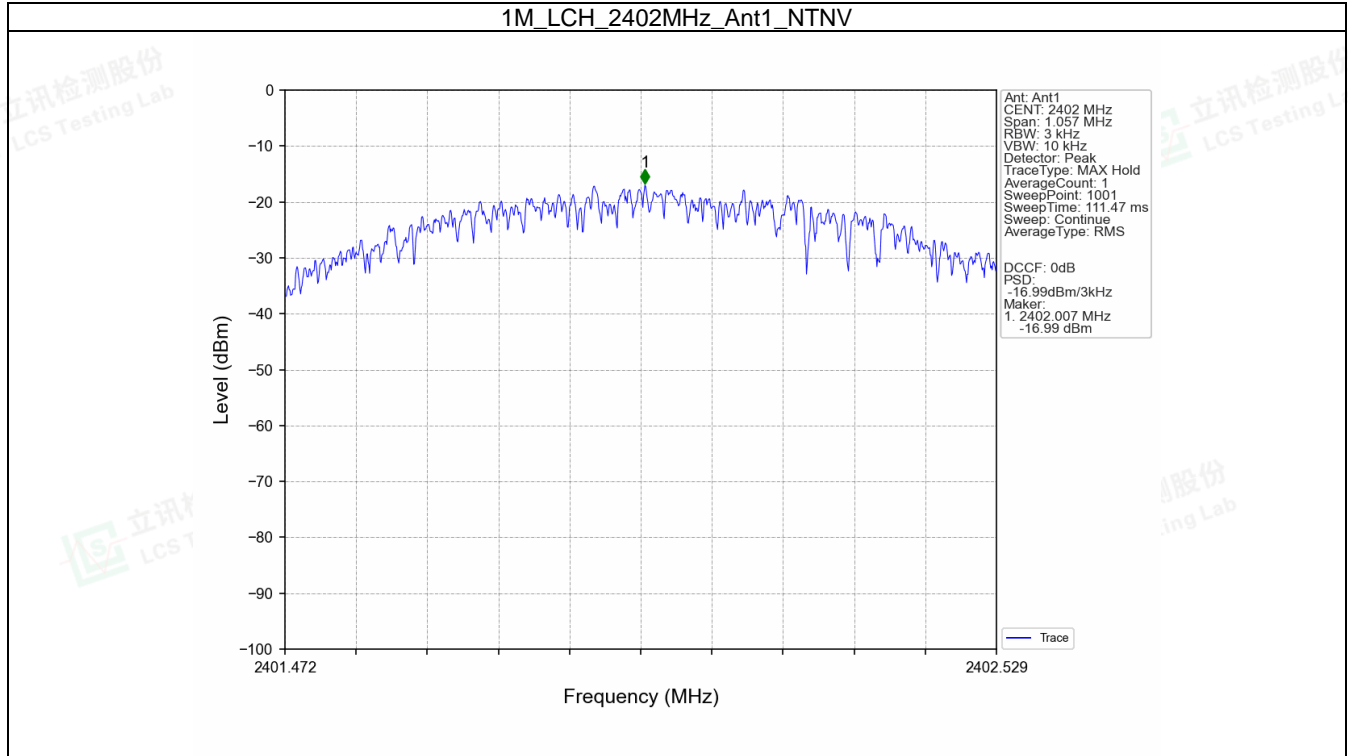


### A.3 Maximum Power Spectral Density Level

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-16.99	<=8	Pass
		2440	-17.03	<=8	Pass
		2480	-15.73	<=8	Pass

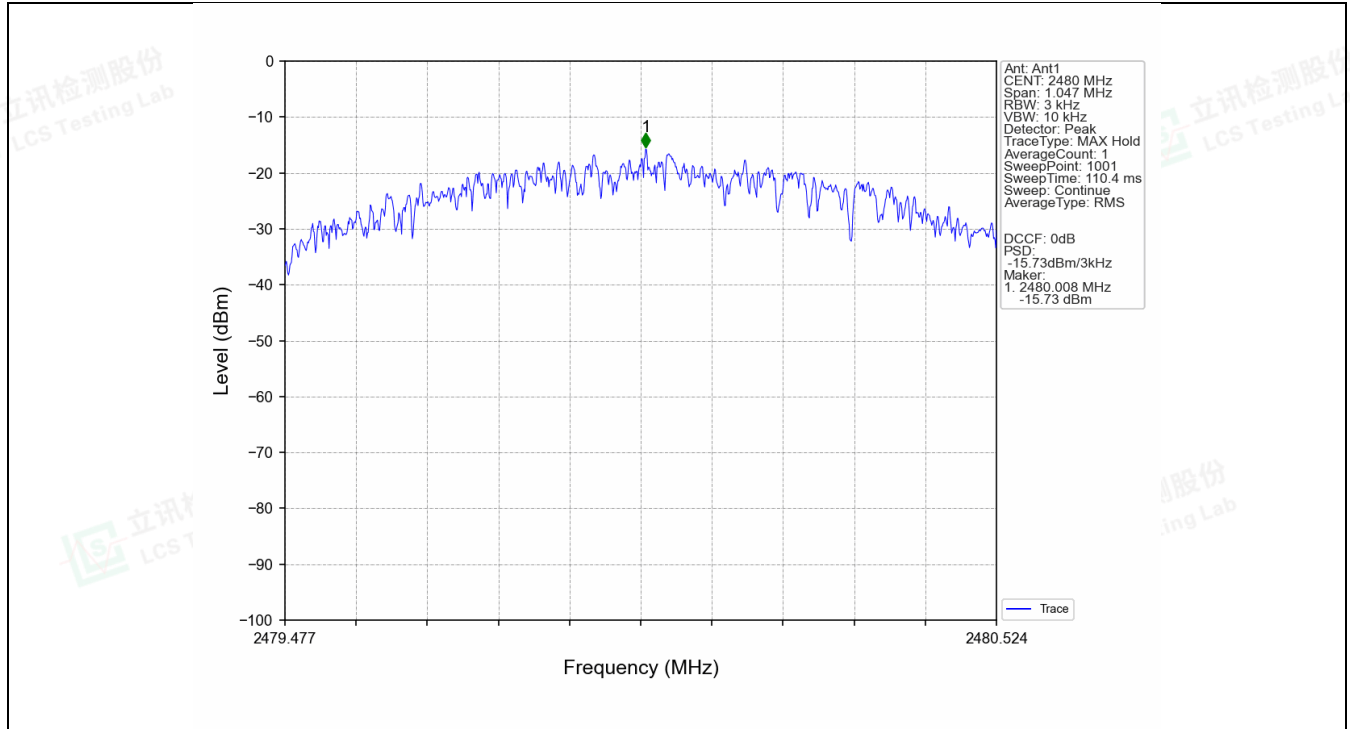






### 1M\_HCH\_2480MHz\_Ant1\_NTNV







## A.4 Band Edge

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.67	-21.67	Pass
		2440	1	-1.67	-21.67	Pass
		2480	1	-1.67	-21.67	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.

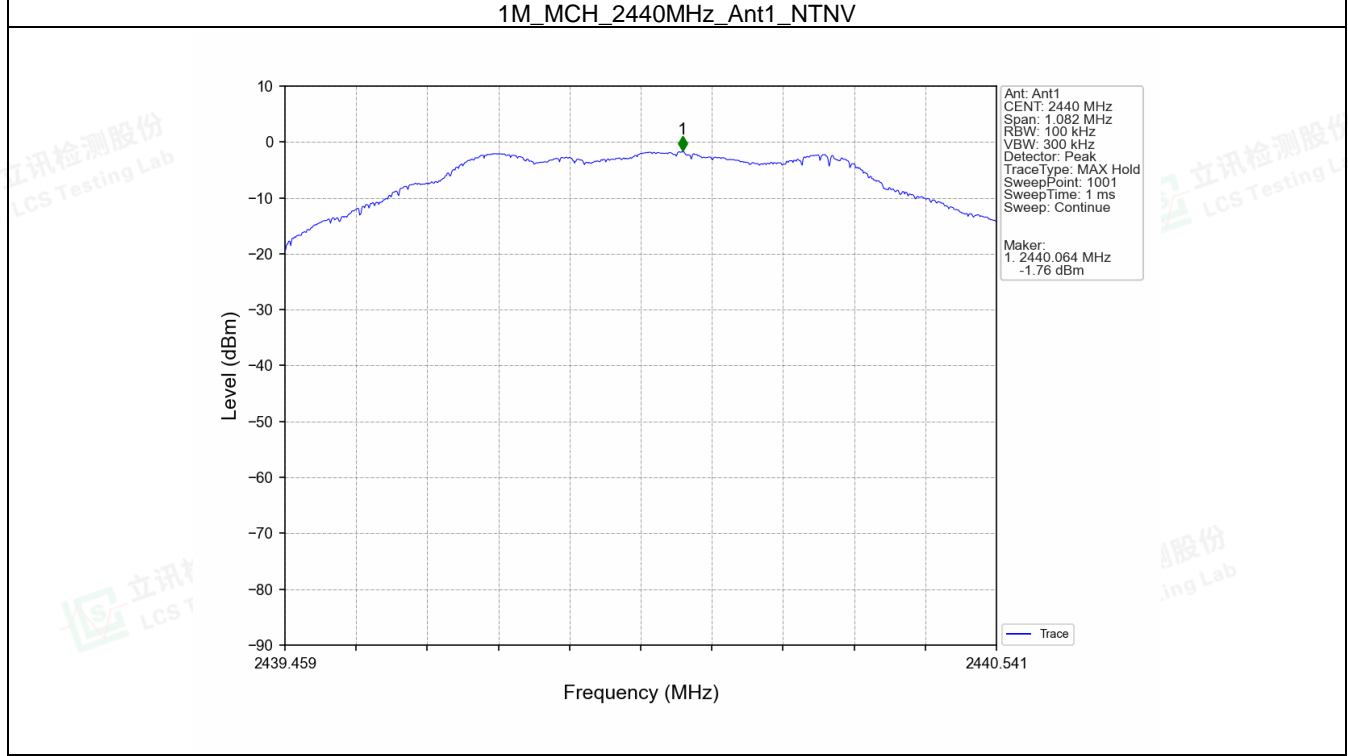
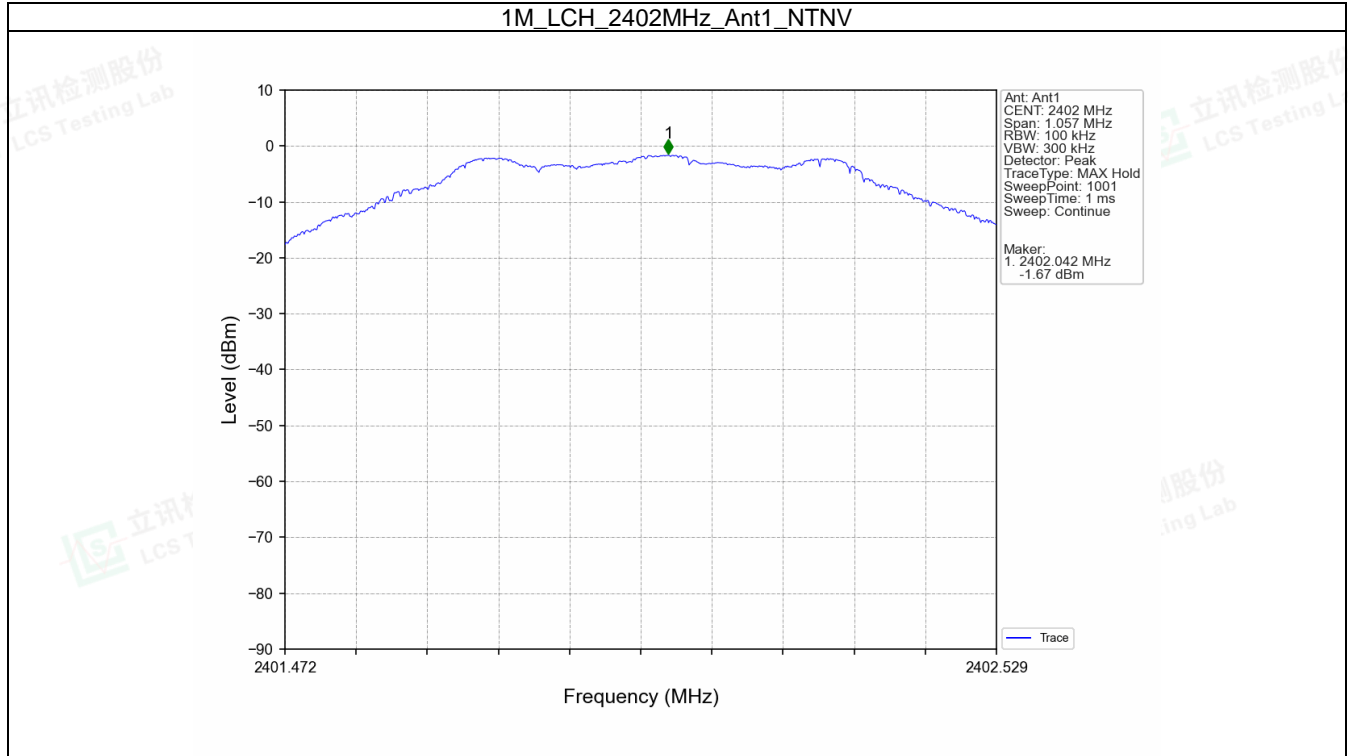


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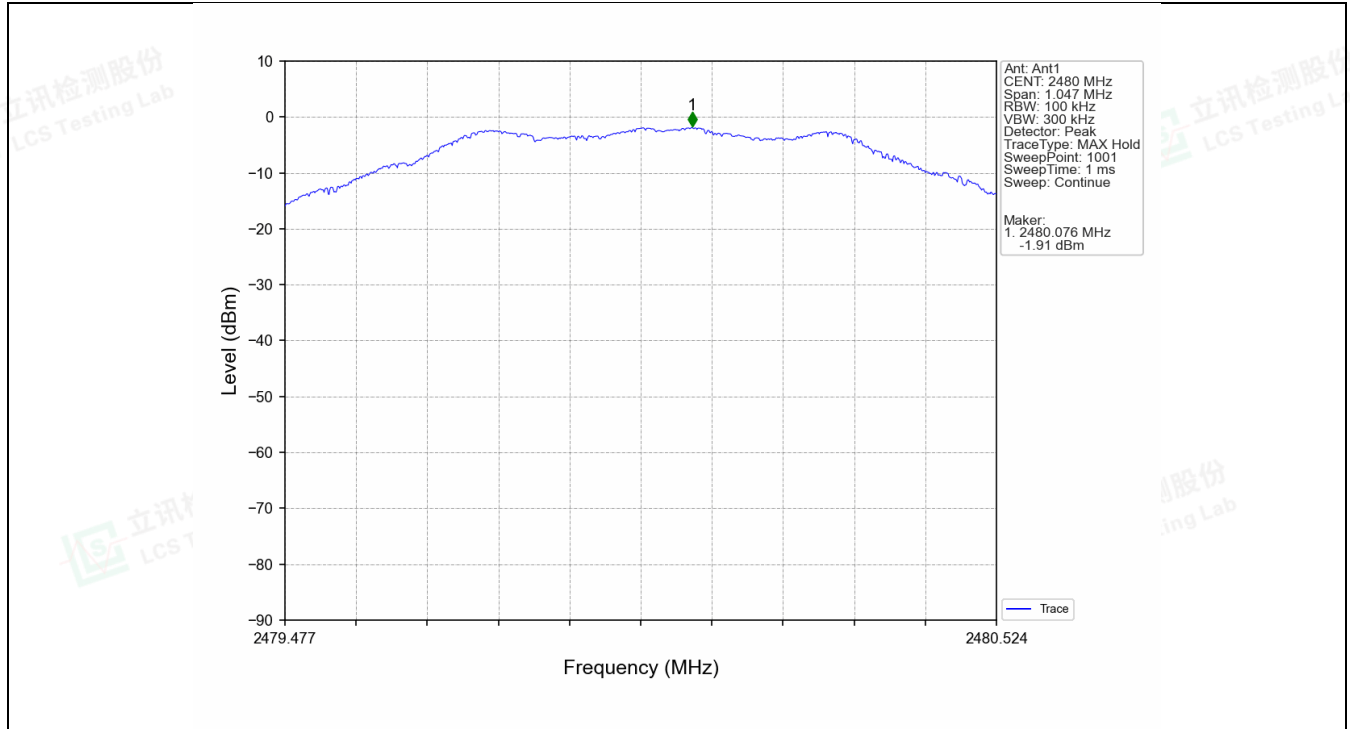
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



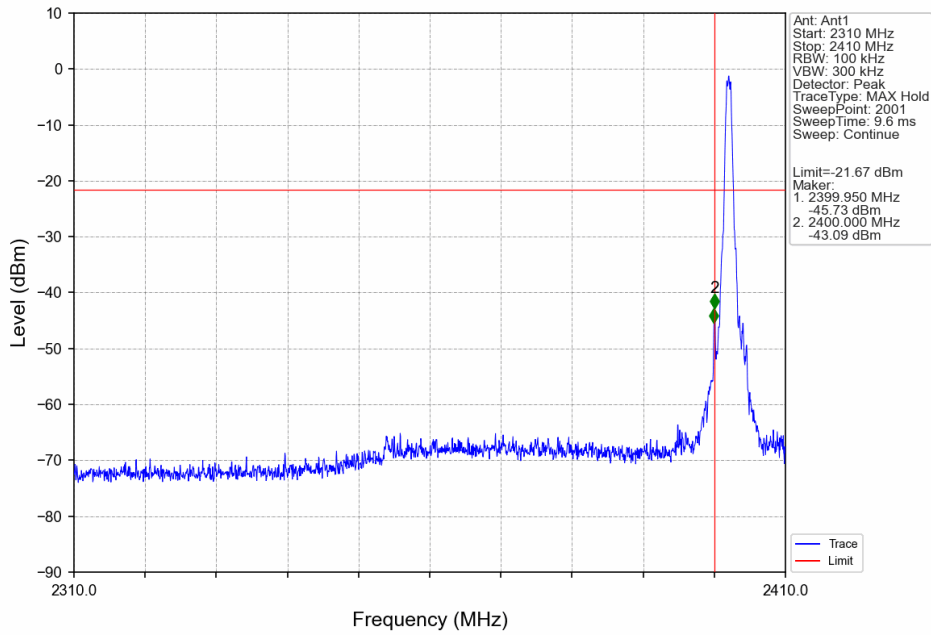
### 1M\_HCH\_2480MHz\_Ant1\_NTNV



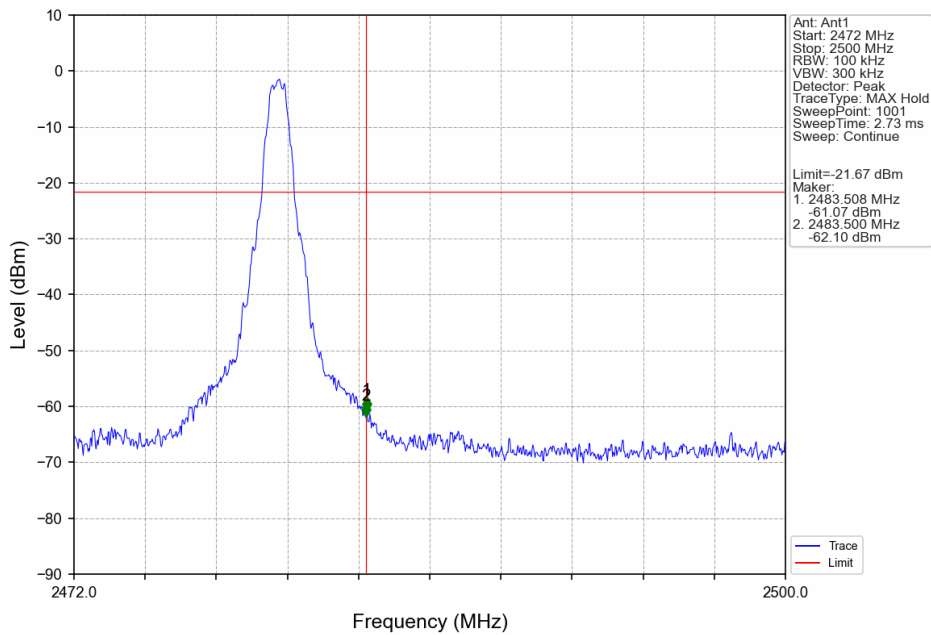




1M\_LCH\_2402MHz\_Ant1\_NTNV



1M\_HCH\_2480MHz\_Ant1\_NTNV



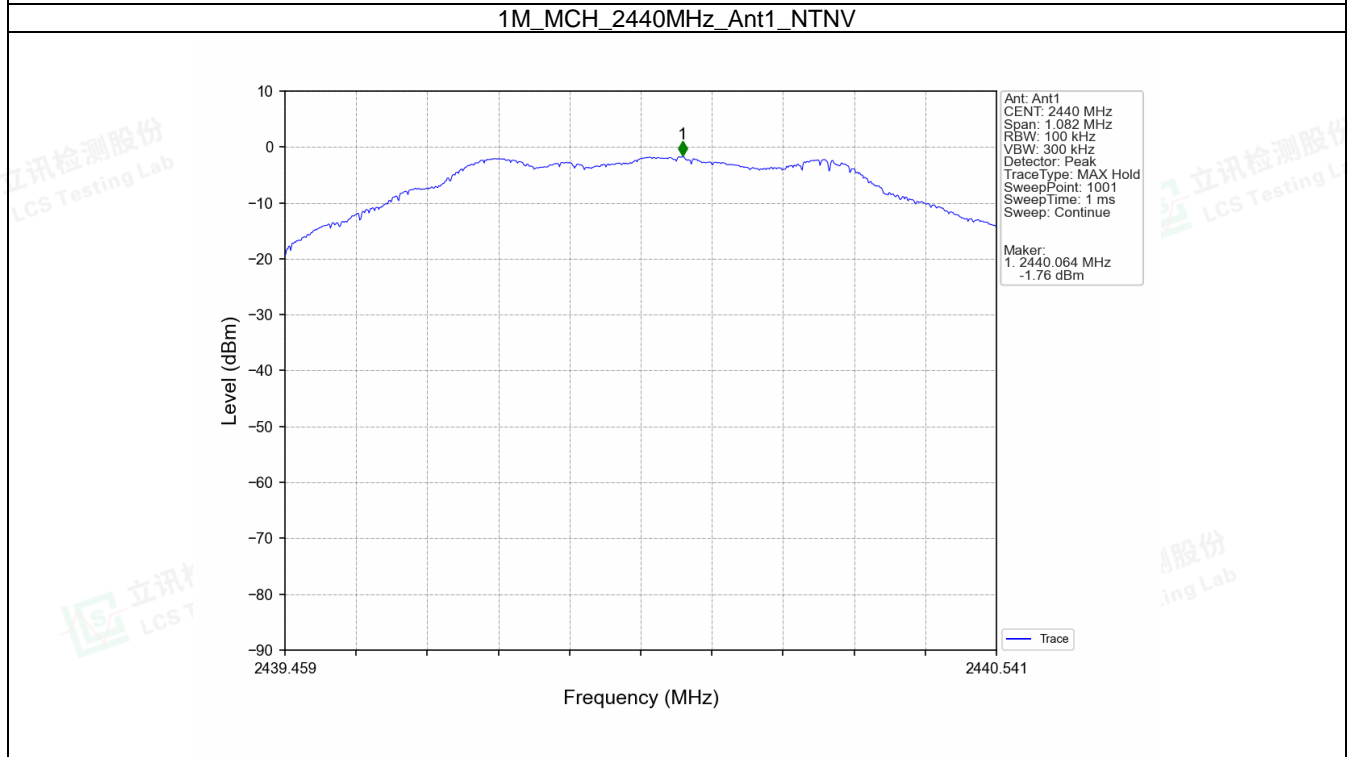
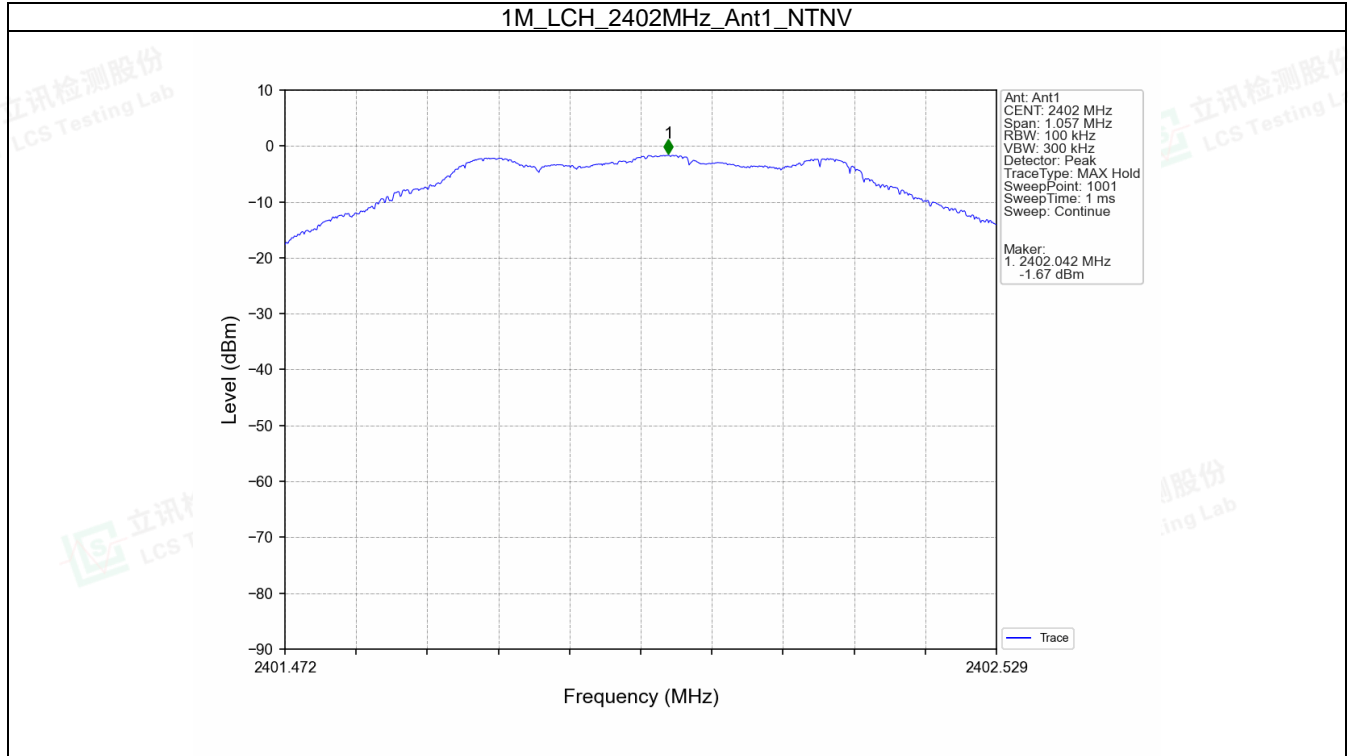


## A.5 Conducted RF Spurious Emission

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.67
		2440	1	-1.76
		2480	1	-1.91

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.

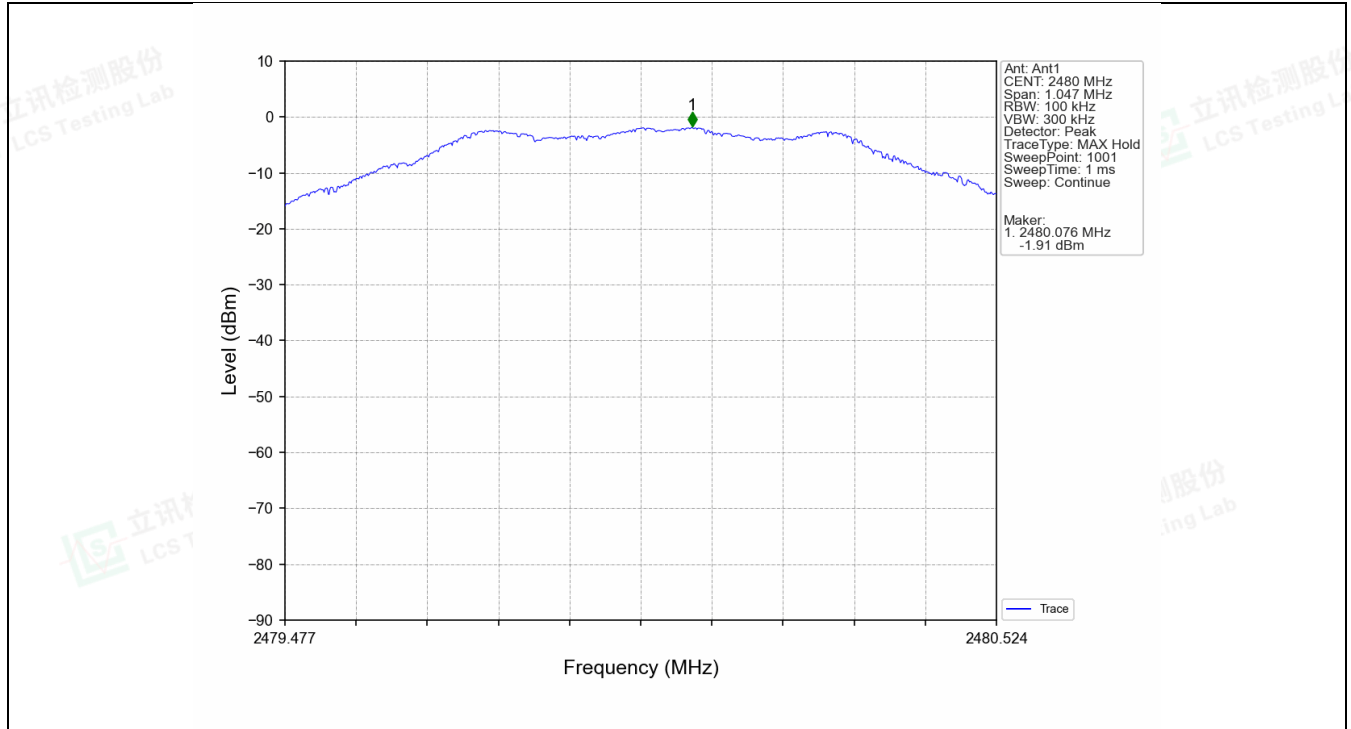


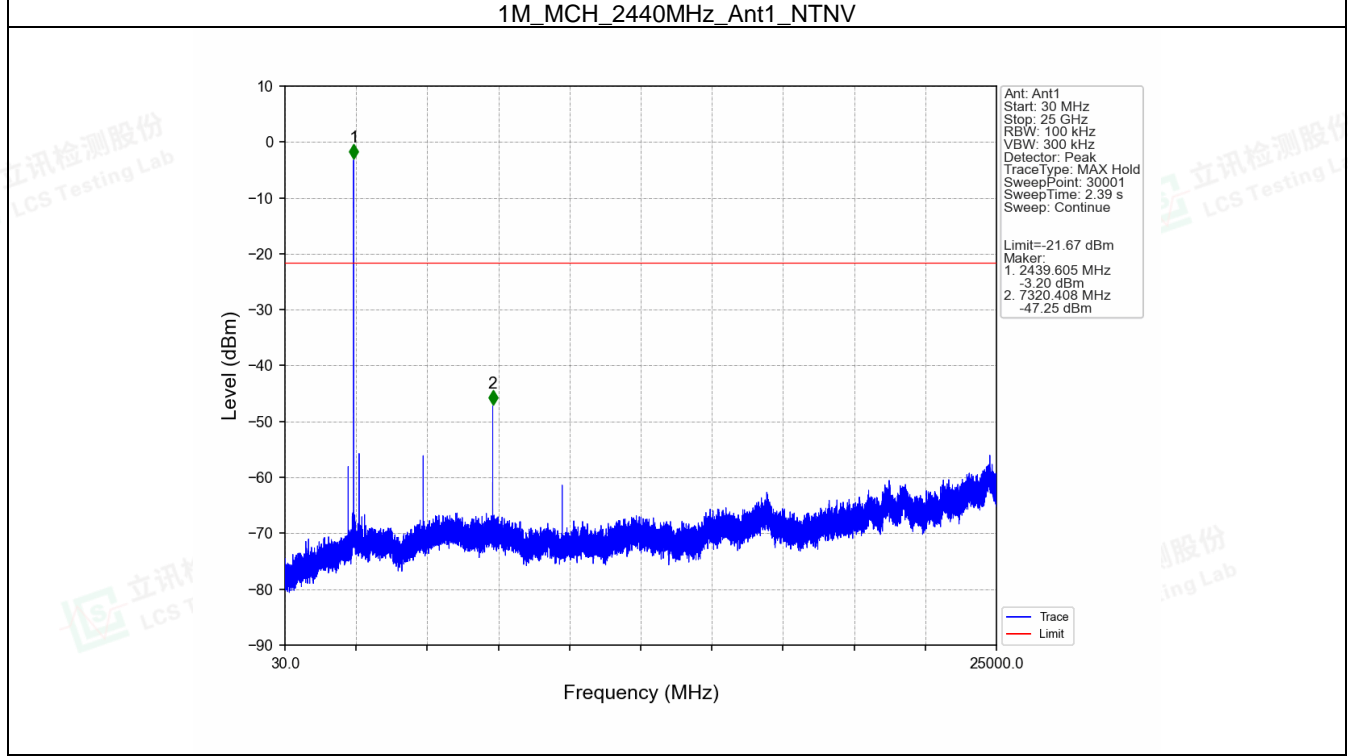
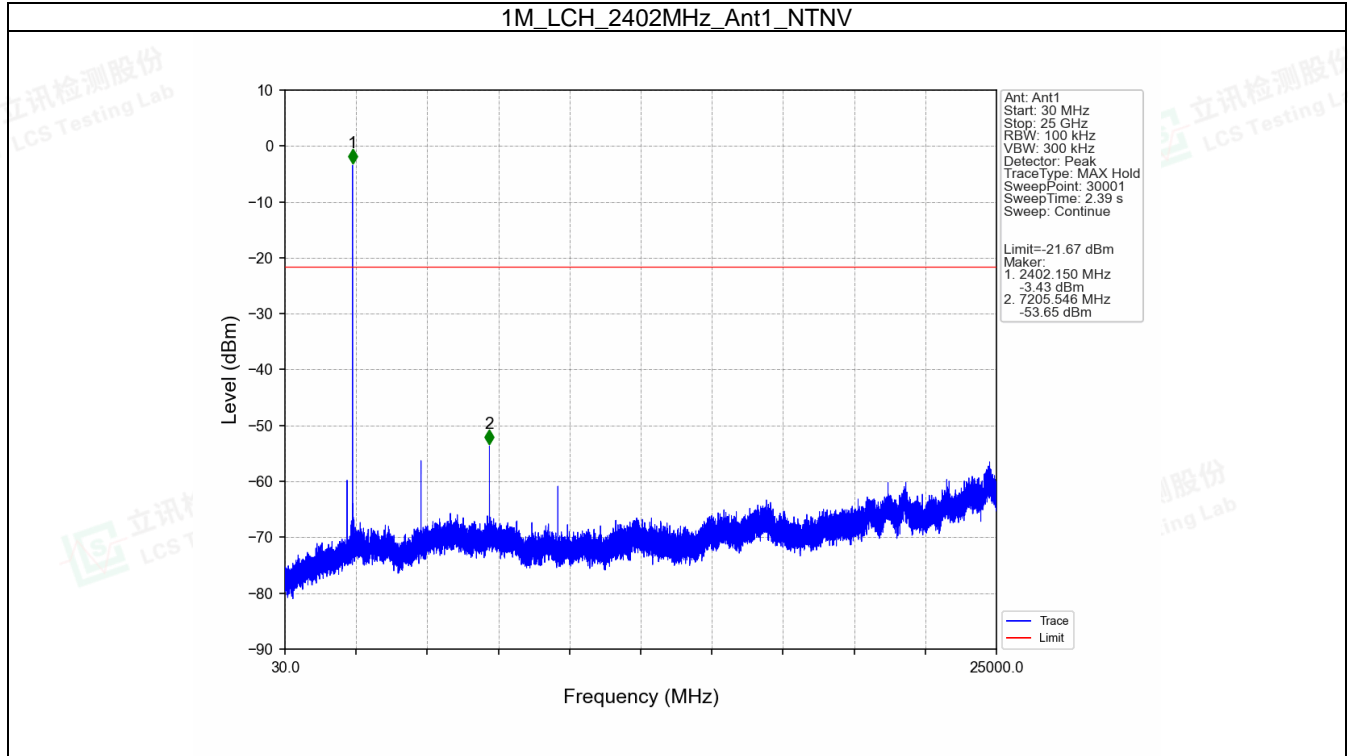


### 1M\_HCH\_2480MHz\_Ant1\_NTNV



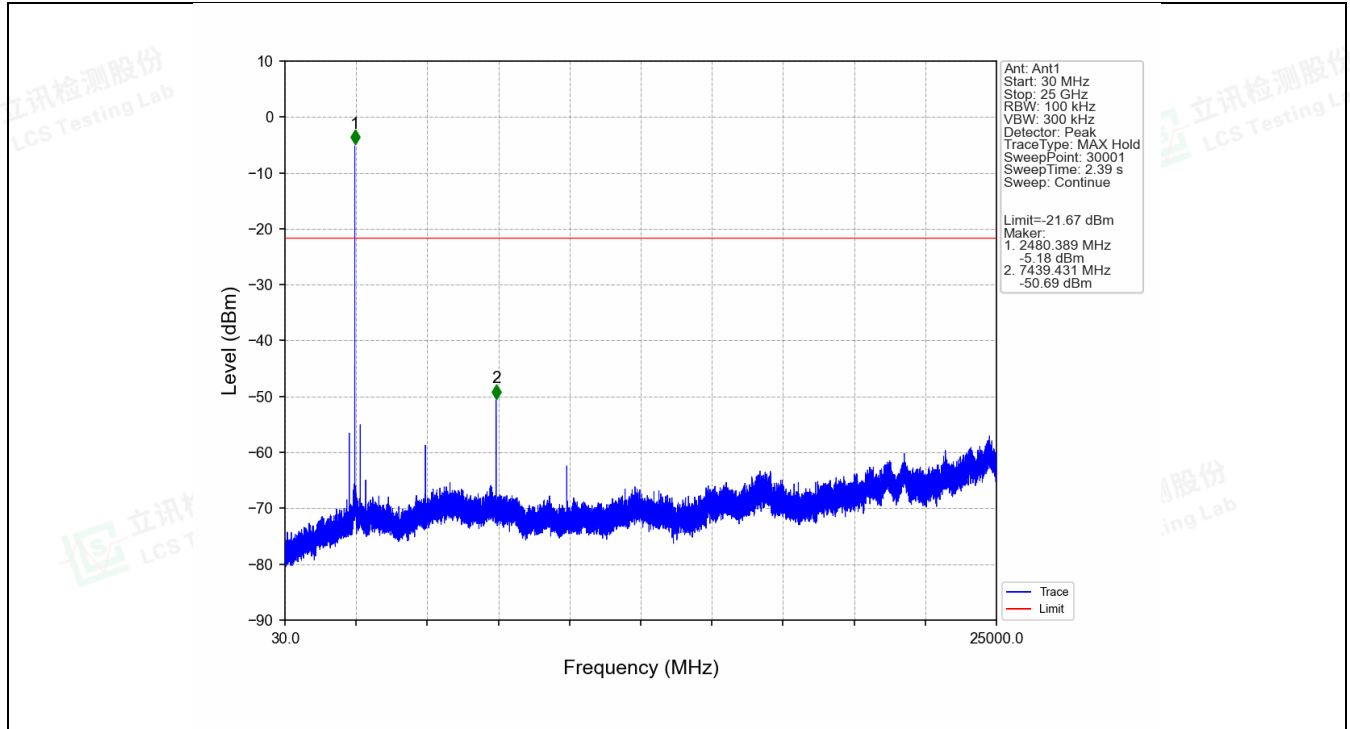






### 1M\_HCH\_2480MHz\_Ant1\_NTNV







## A.6 Duty Cycle

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.536	1.250	42.88	3.68	0.01
		2440	0.537	1.250	42.96	3.67	0.03
		2480	0.536	1.250	42.88	3.68	0.01



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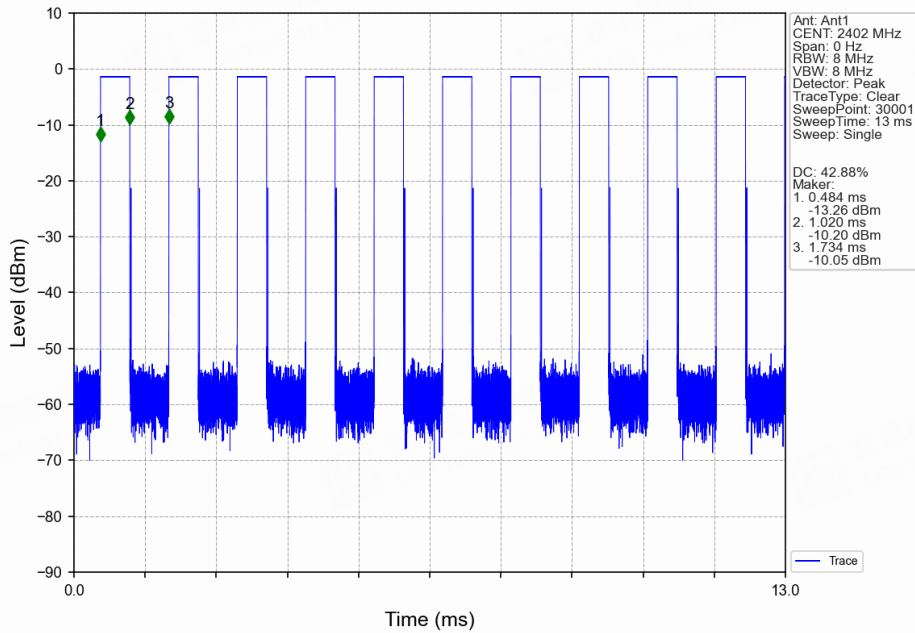
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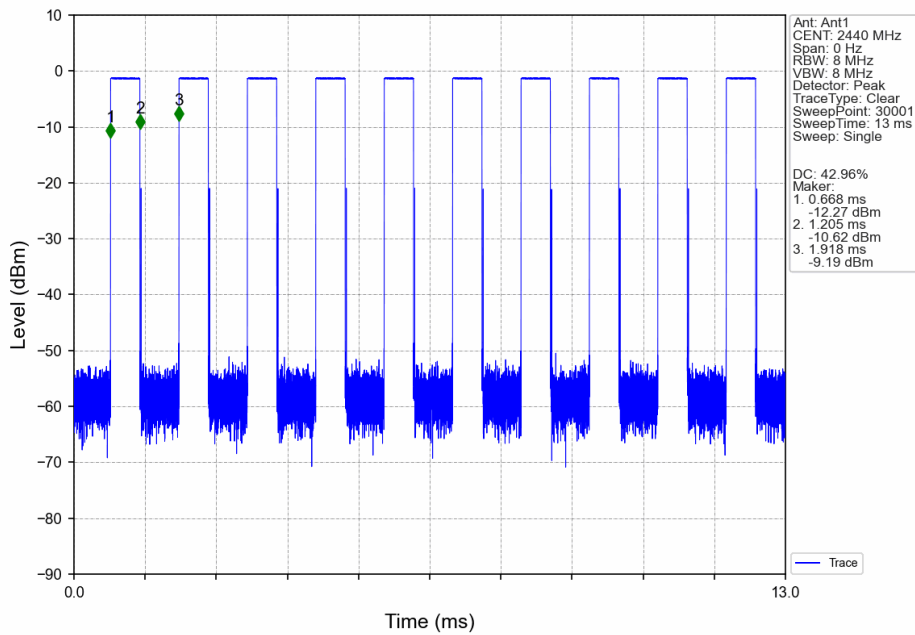
Scan code to check authenticity



1M\_LCH\_2402MHz\_Ant1\_NTNV

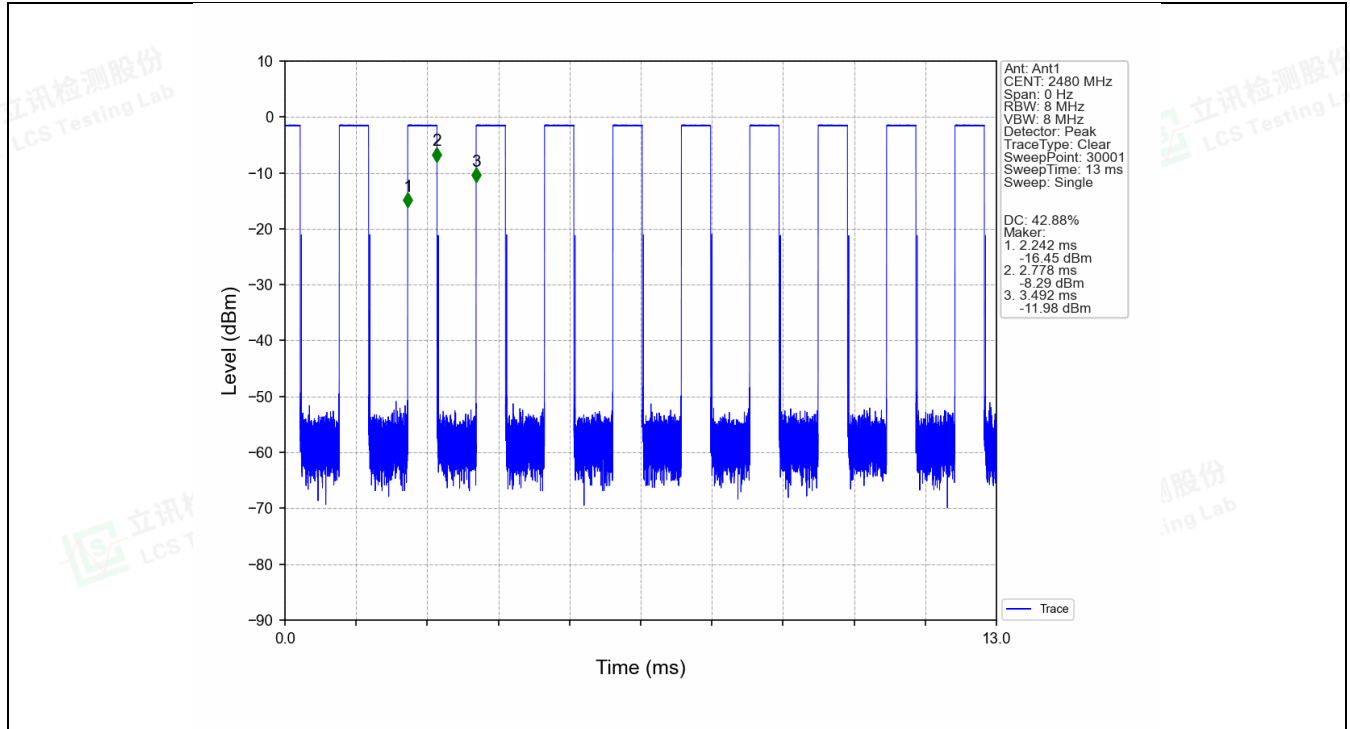


1M\_MCH\_2440MHz\_Ant1\_NTNV



1M\_HCH\_2480MHz\_Ant1\_NTNV

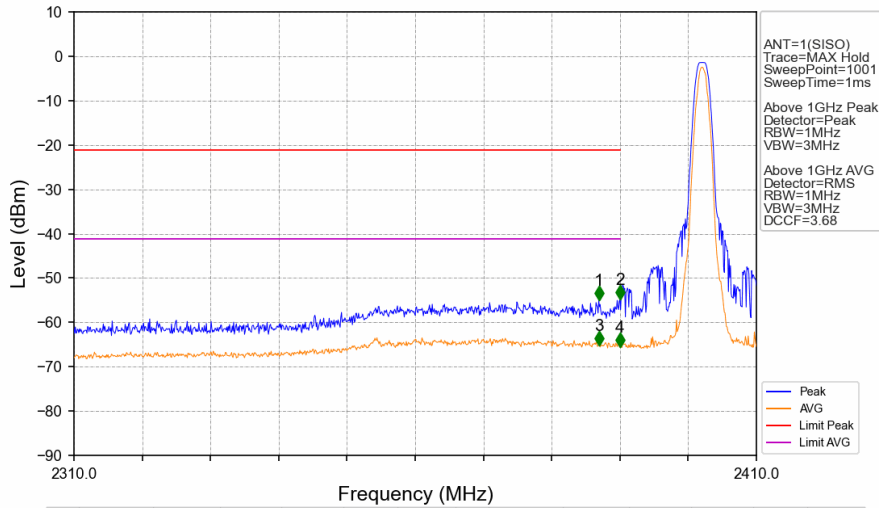






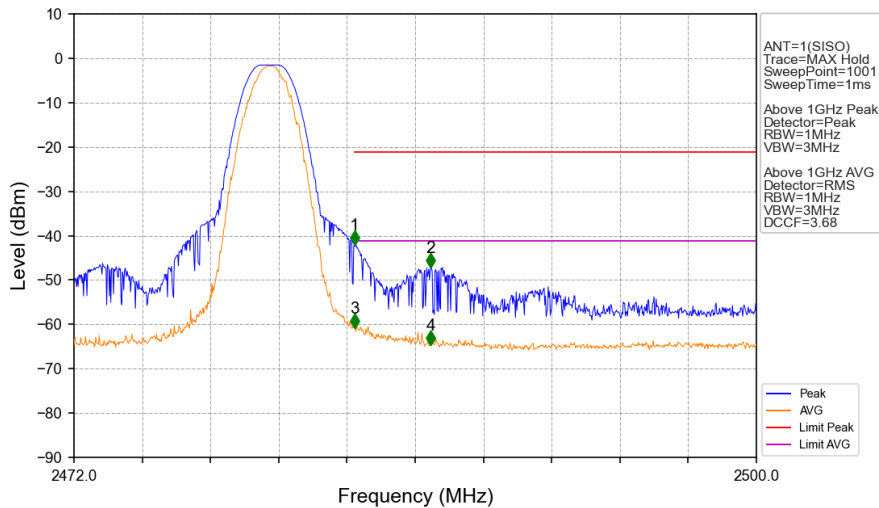
### A.7 Restrict Band

1M\_LCH\_2402MHz\_Ant1\_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2386.900	-55.05	-21.20	33.85	Pass	Peak	3	2386.900	-65.14	-41.20	23.94	Pass	AVG
2	2390.000	-54.86	-21.20	33.66	Pass	Peak	4	2390.000	-65.60	-41.20	24.40	Pass	AVG

1M\_HCH\_2480MHz\_Ant1\_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2483.508	-42.12	-21.20	20.92	Pass	Peak	3	2483.508	-60.81	-41.20	19.61	Pass	AVG
2	2486.644	-47.15	-21.20	25.95	Pass	Peak	4	2486.644	-64.68	-41.20	23.48	Pass	AVG

