



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Portable Power Station

Test Model: DPS300LQ-C-WC

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Nick Peng



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A.1 -6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.700	≥ 0.5	Pass
		2440	1	0.724	≥ 0.5	Pass
		2480	1	0.709	≥ 0.5	Pass



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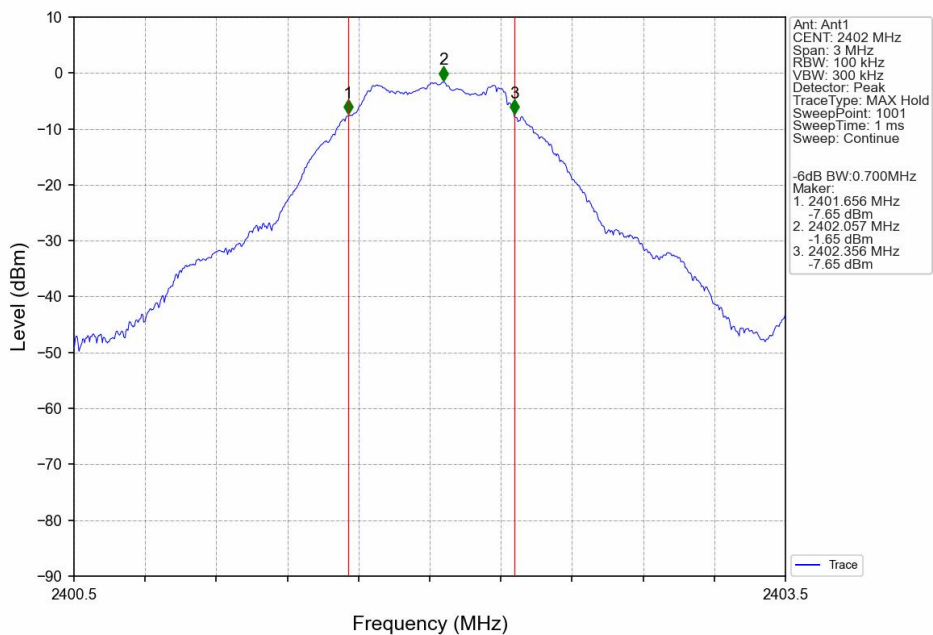
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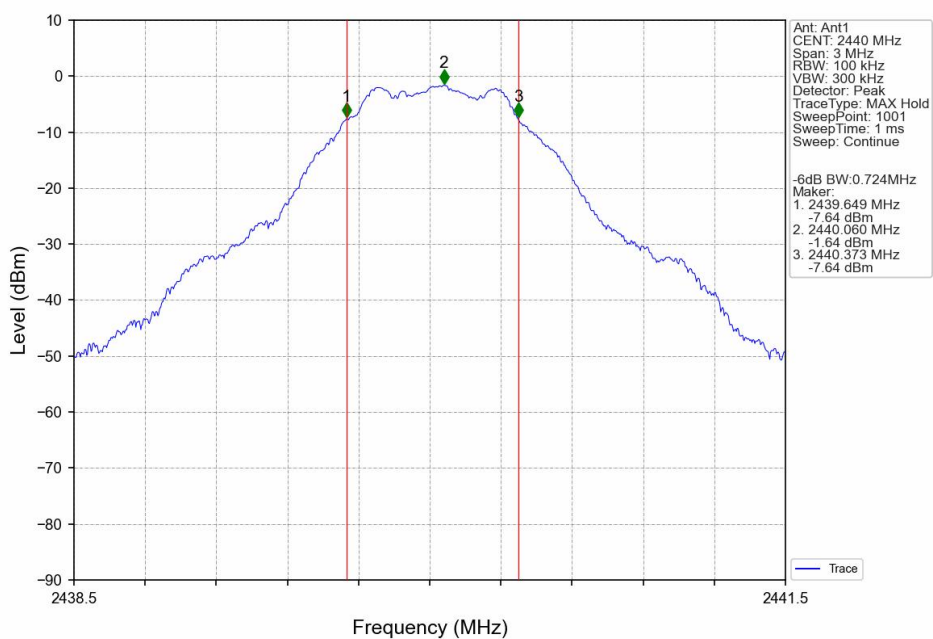
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1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

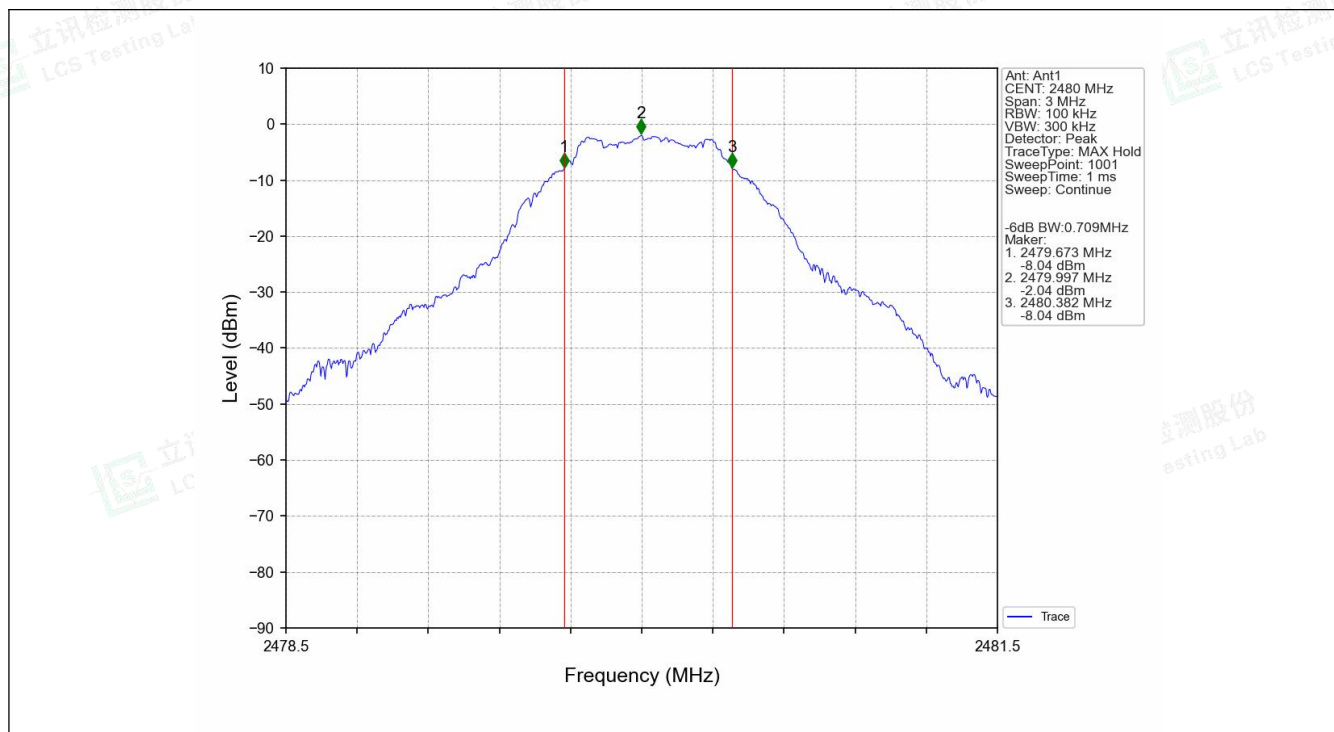


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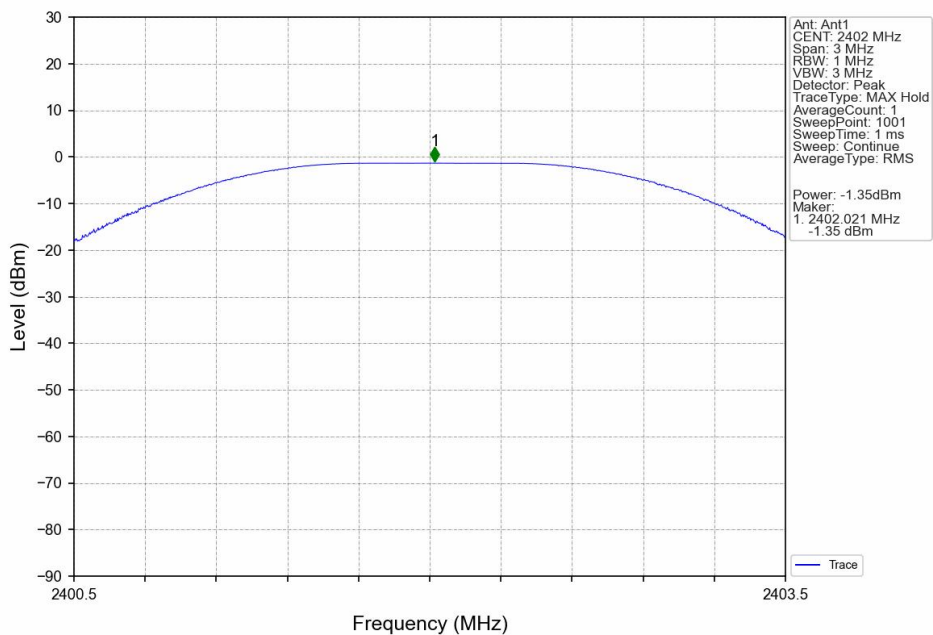
A.2 Maximum Peak Conducted Output Power

Mode	TX Type	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	-1.35	<=30	Pass
		2440	-1.28	<=30	Pass
		2480	-1.46	<=30	Pass

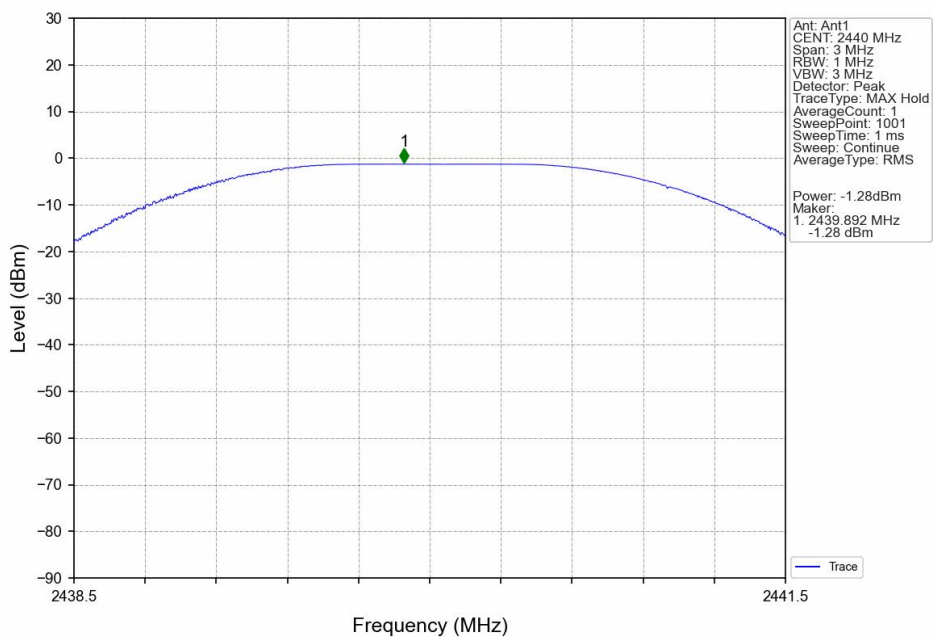




1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

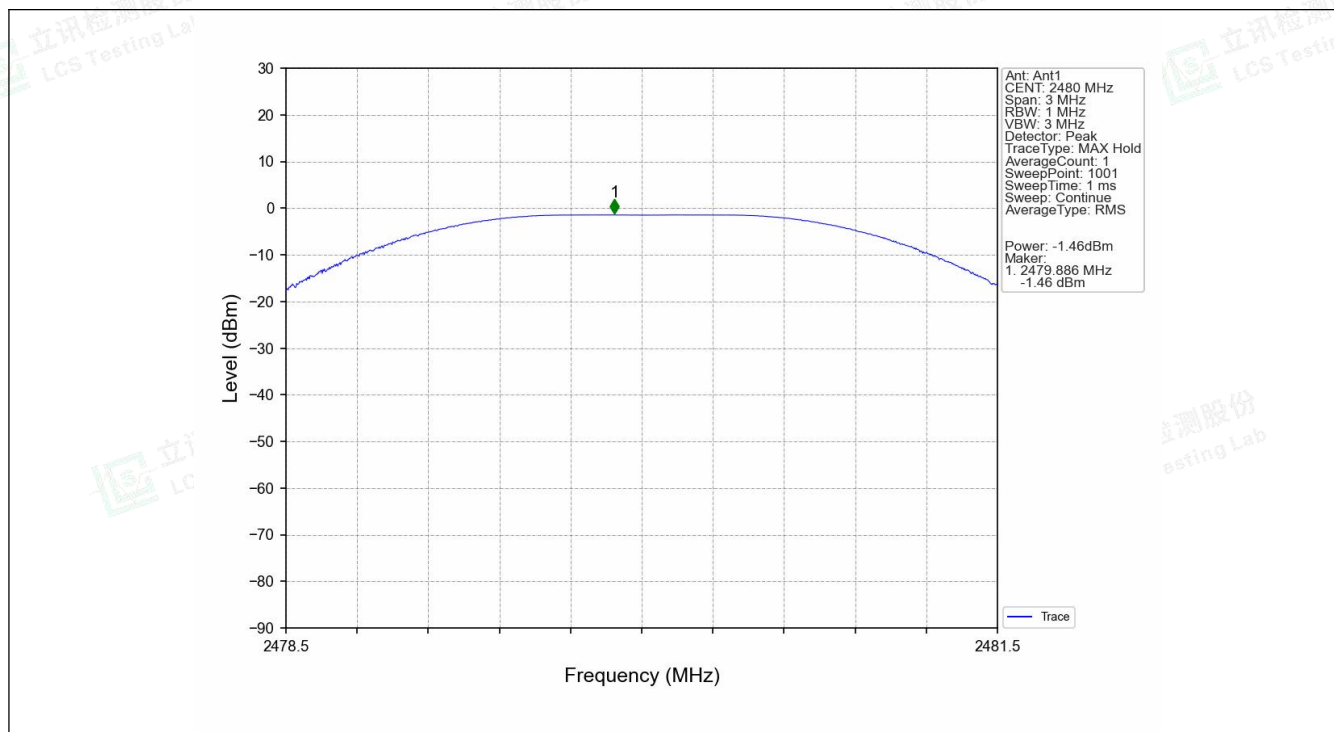


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A.3 Maximum Power Spectral Density Level

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.05	<=8	Pass
		2440	-17.30	<=8	Pass
		2480	-15.88	<=8	Pass



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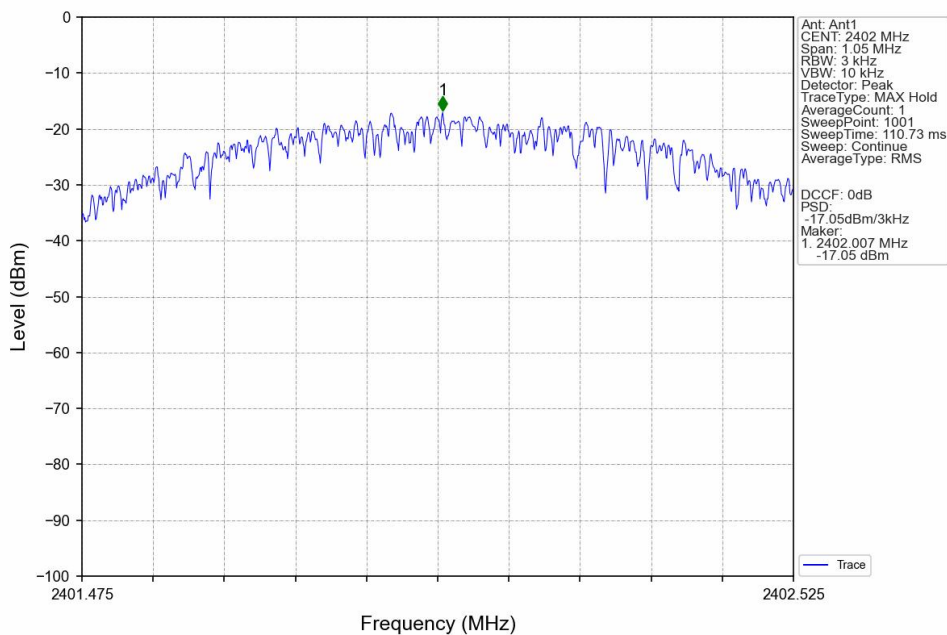
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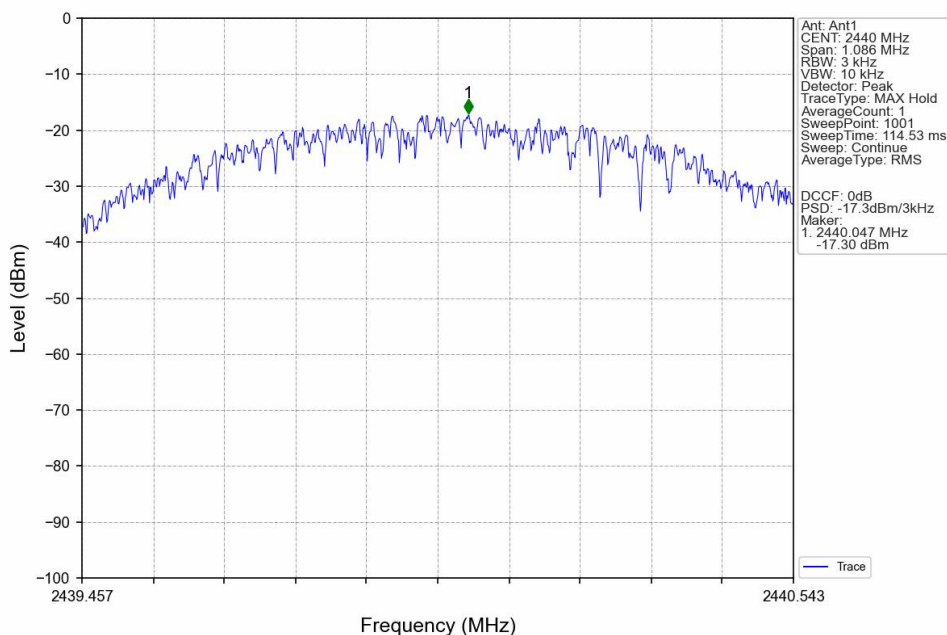
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1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

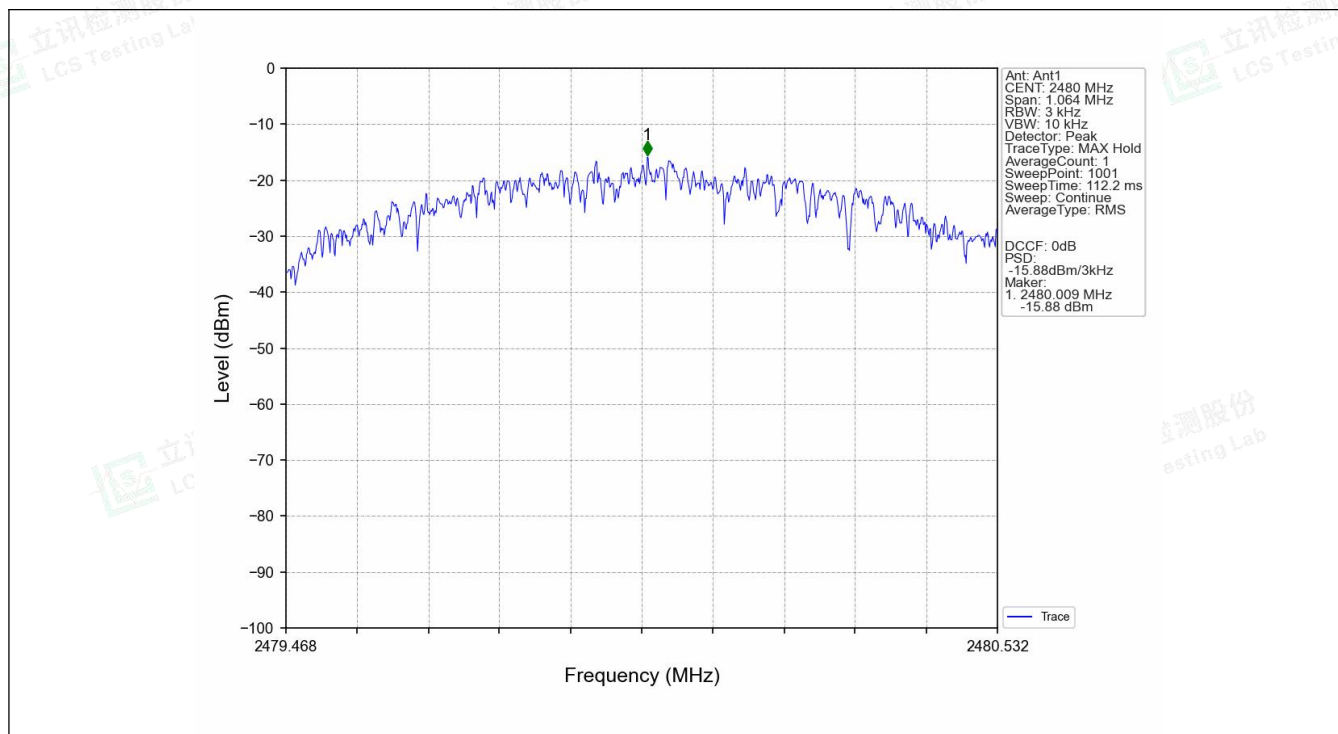


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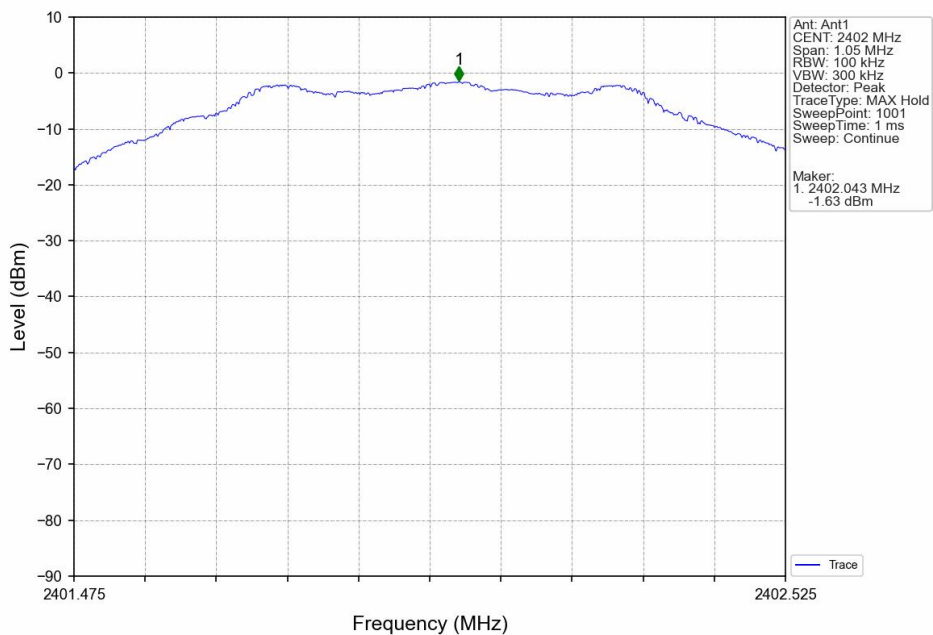
A.4 Band Edge

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.63	-21.63	Pass
		2440	1	-1.63	-21.63	Pass
		2480	1	-1.63	-21.63	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.						

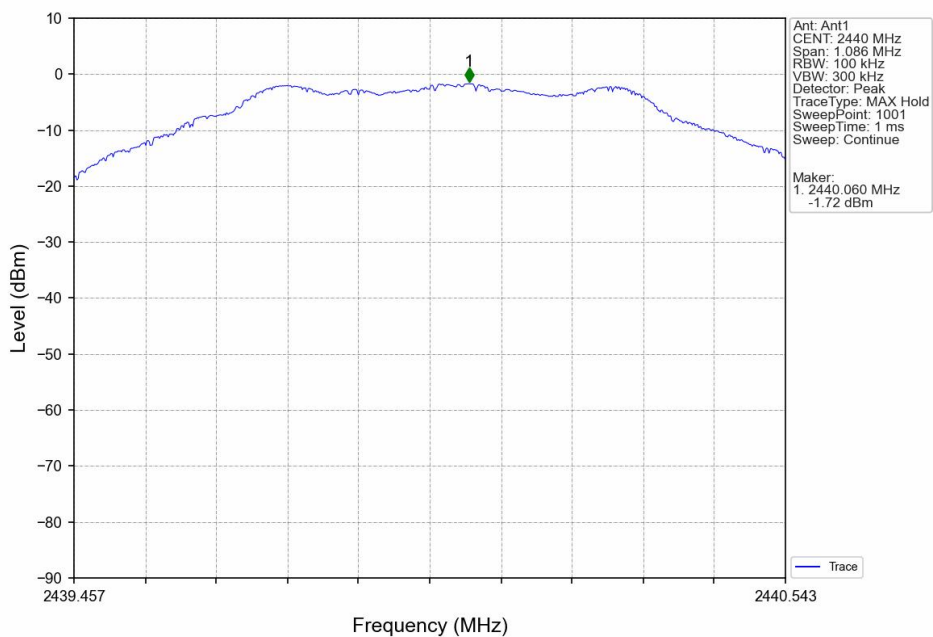




1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV

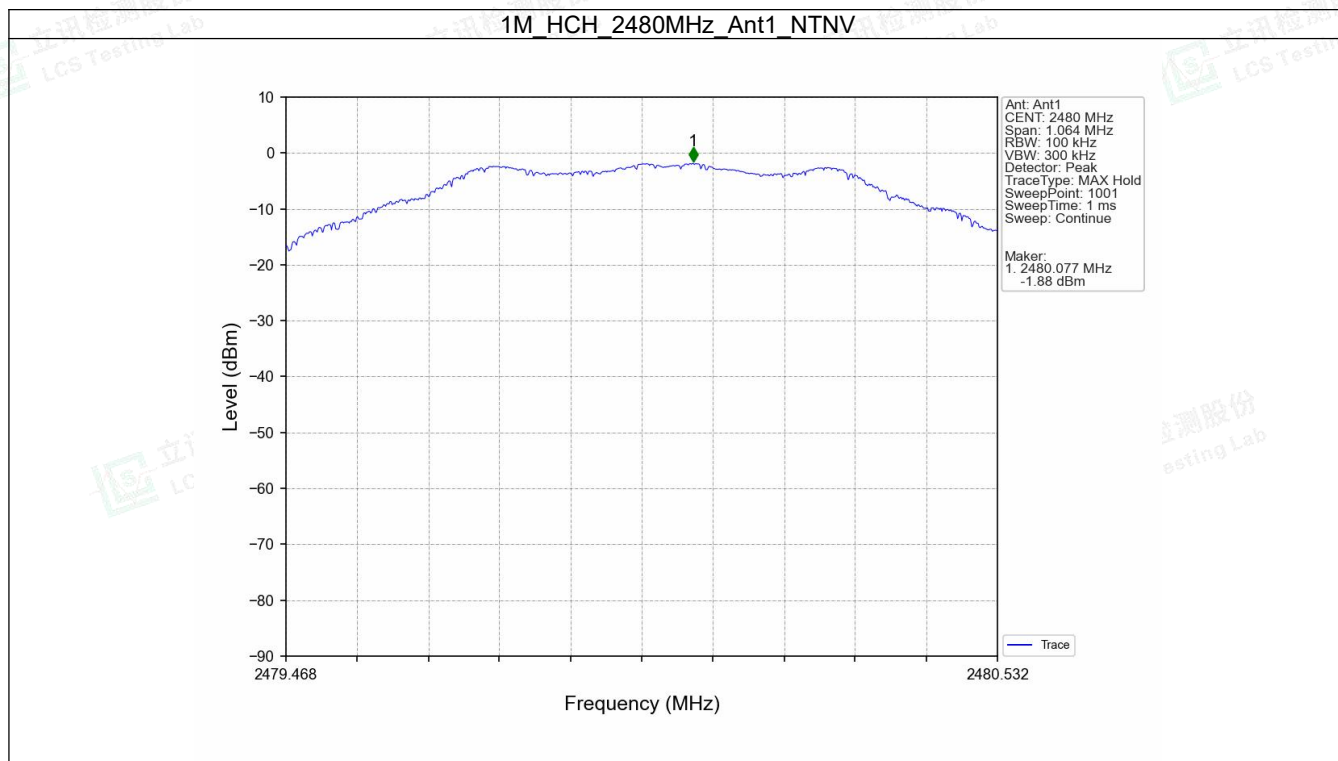


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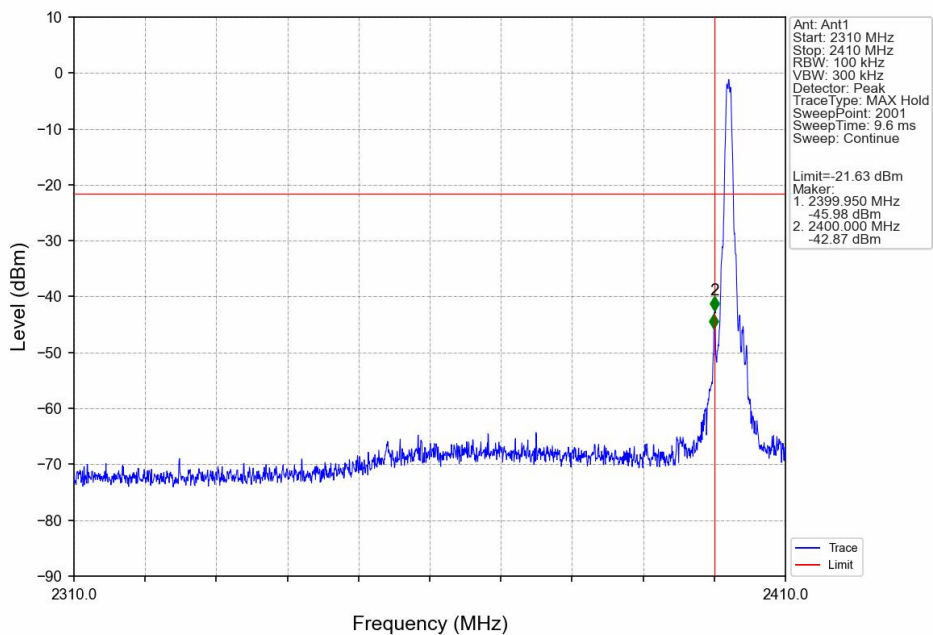
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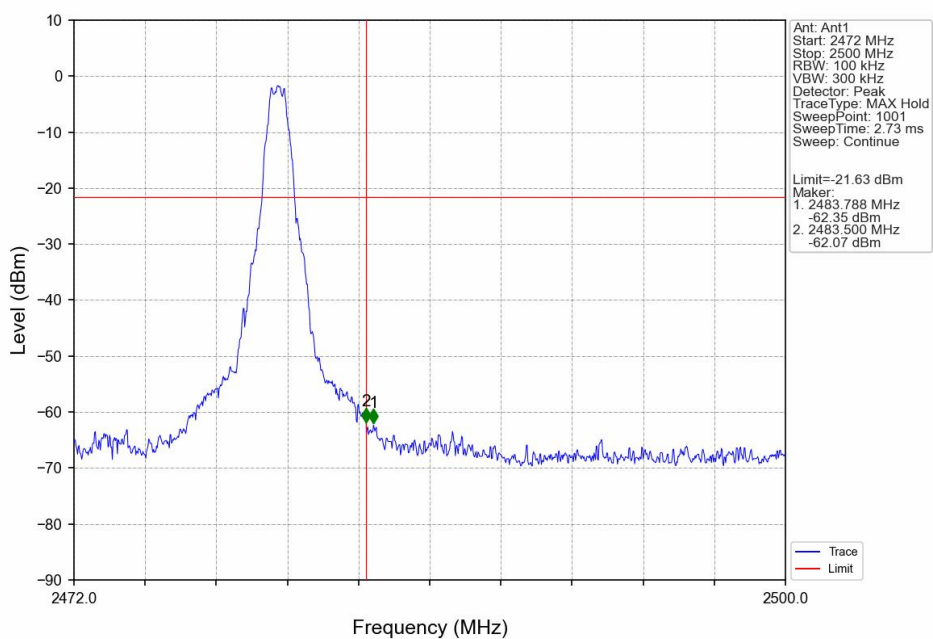
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1M_LCH_2402MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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A.5 Conducted RF Spurious Emission

Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.63
		2440	1	-1.72
		2480	1	-1.88
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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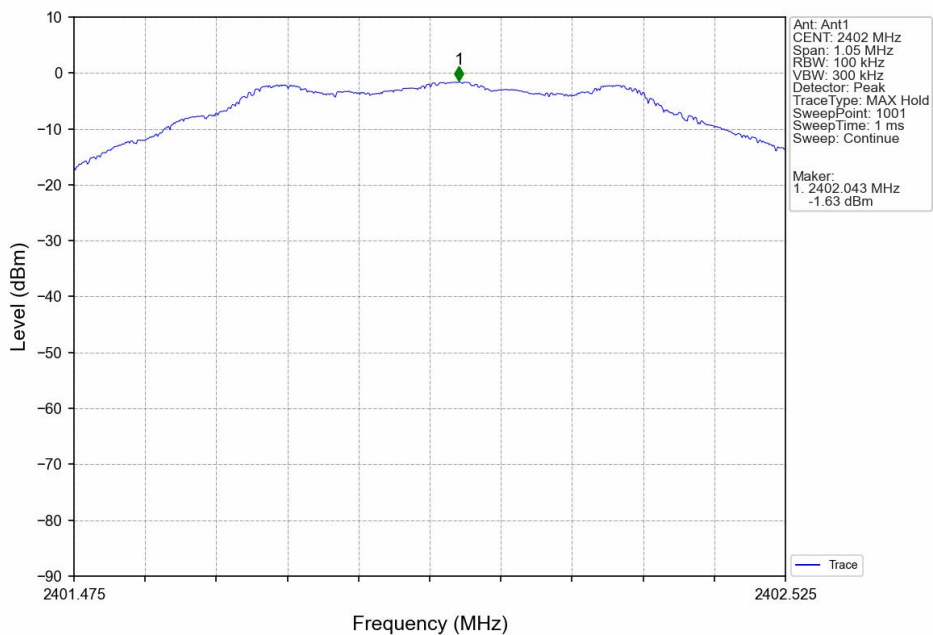
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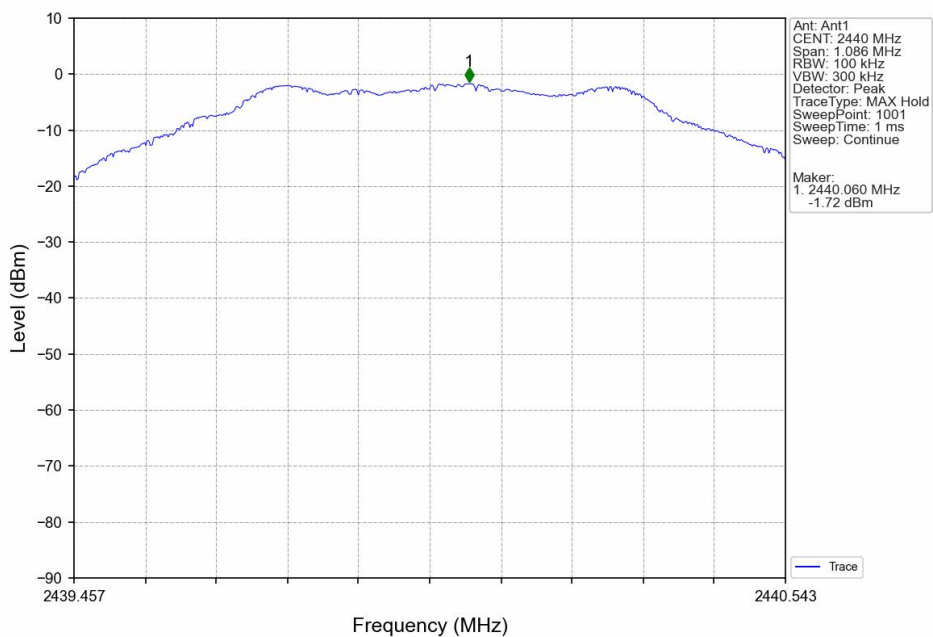
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1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV

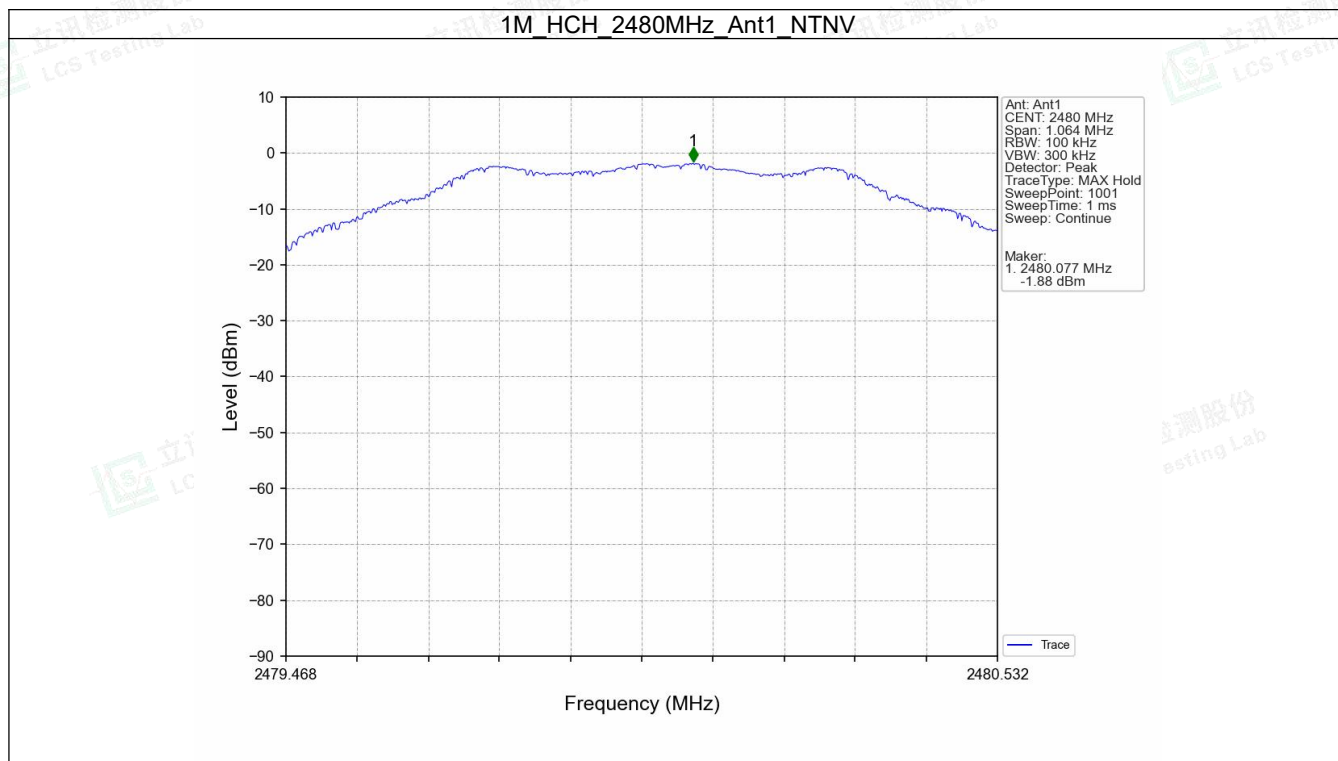


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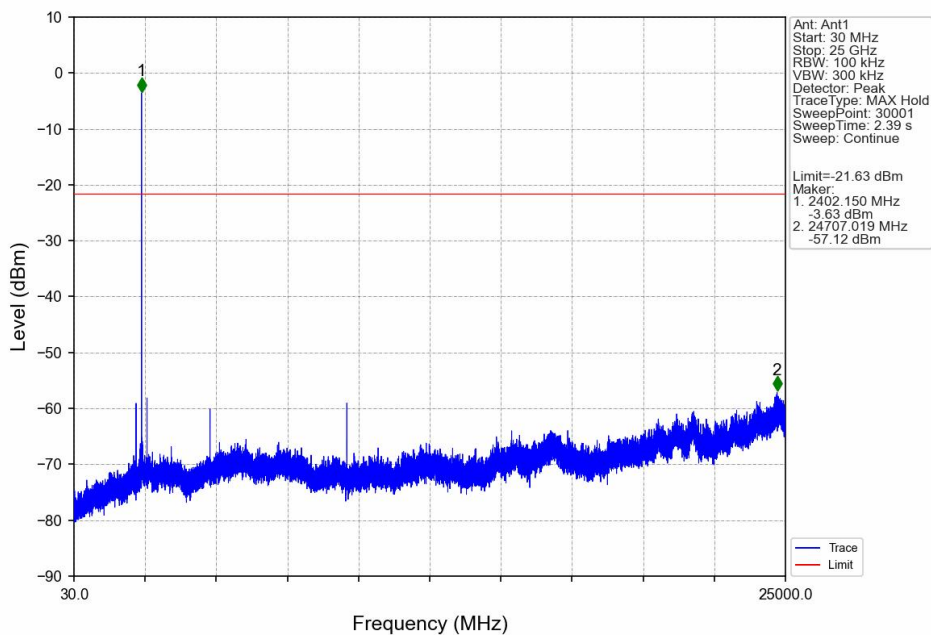
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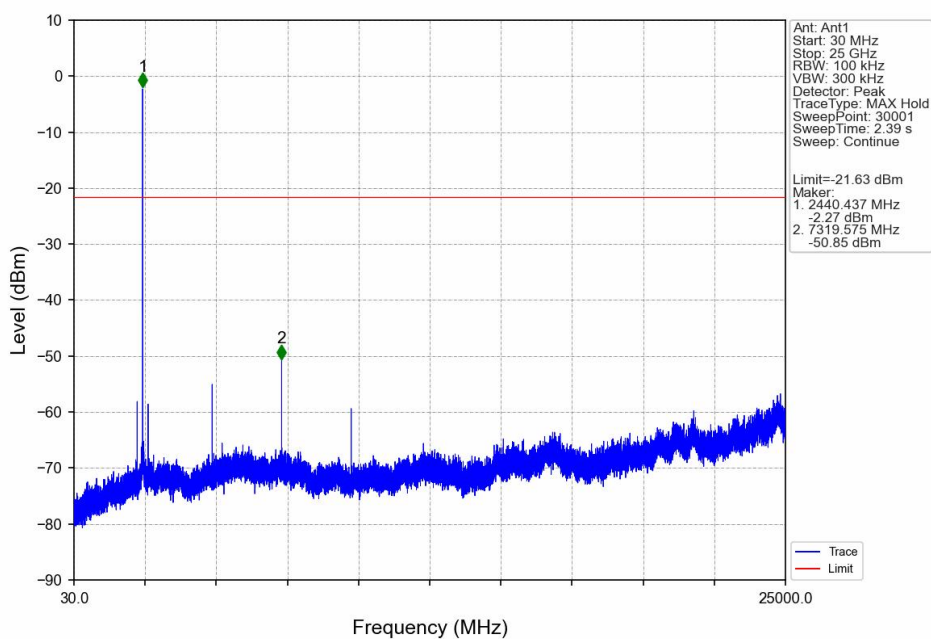
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1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

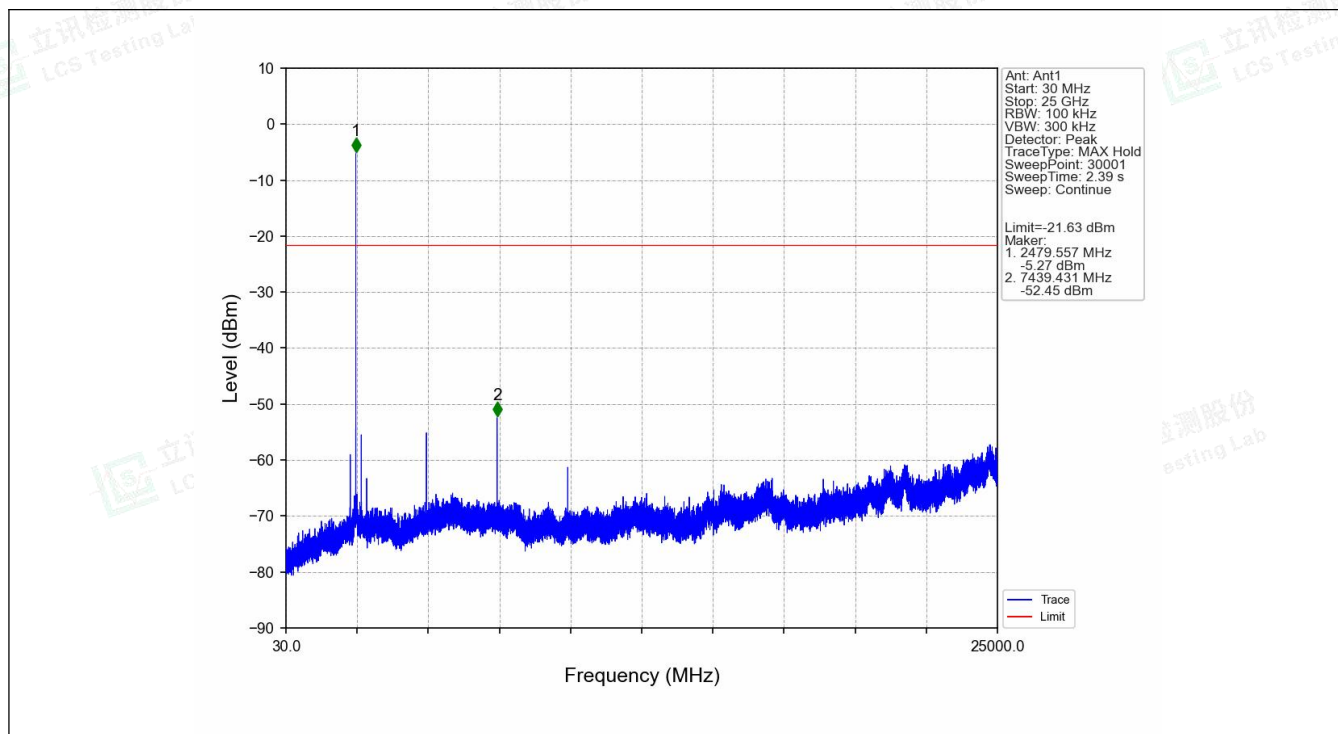


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A.6 Duty Cycle

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	0.05
		2440	0.537	1.251	42.93	3.67	0.01
		2480	0.537	1.251	42.93	3.67	0.03



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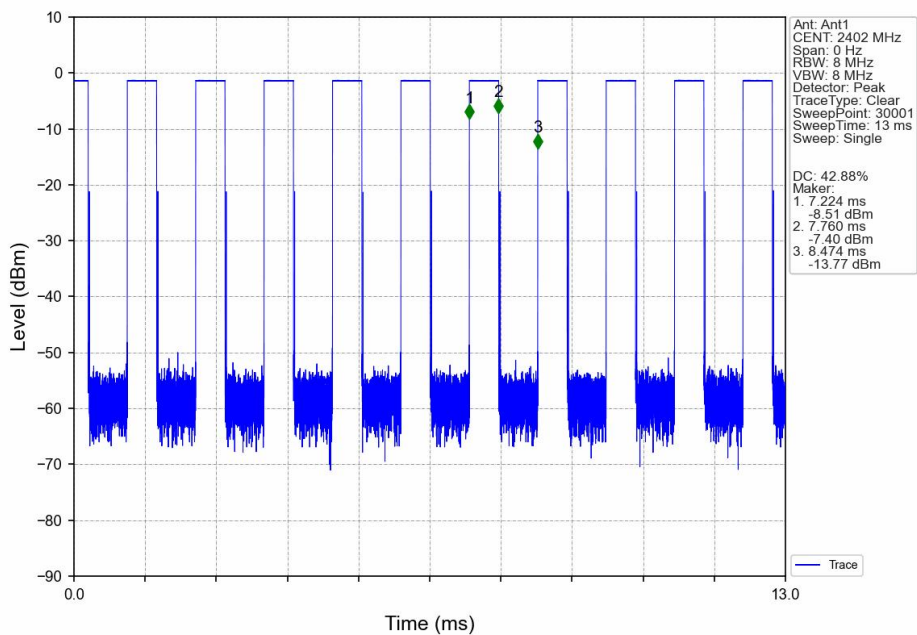
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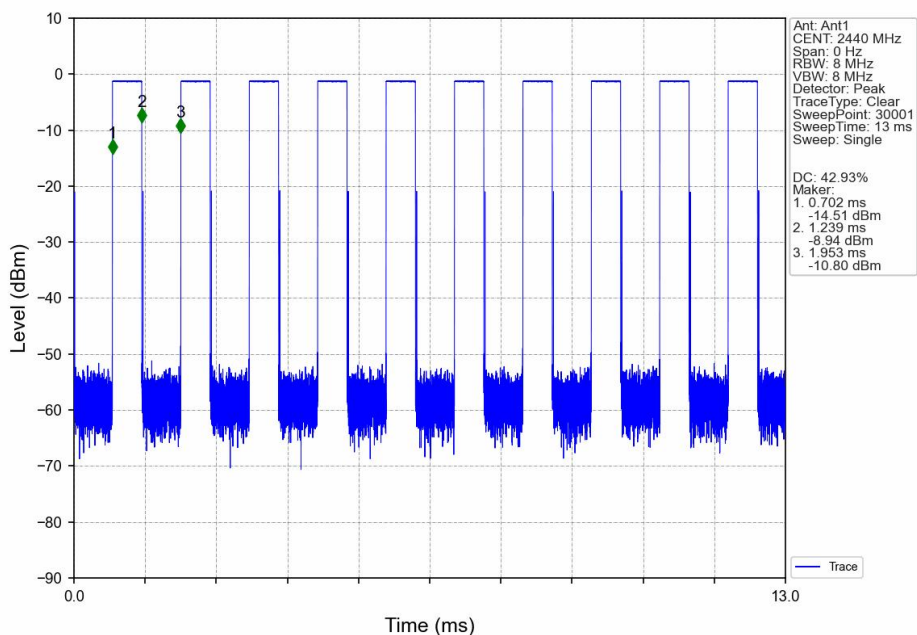
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1M_MCH_2440MHz_Ant1_NTNV

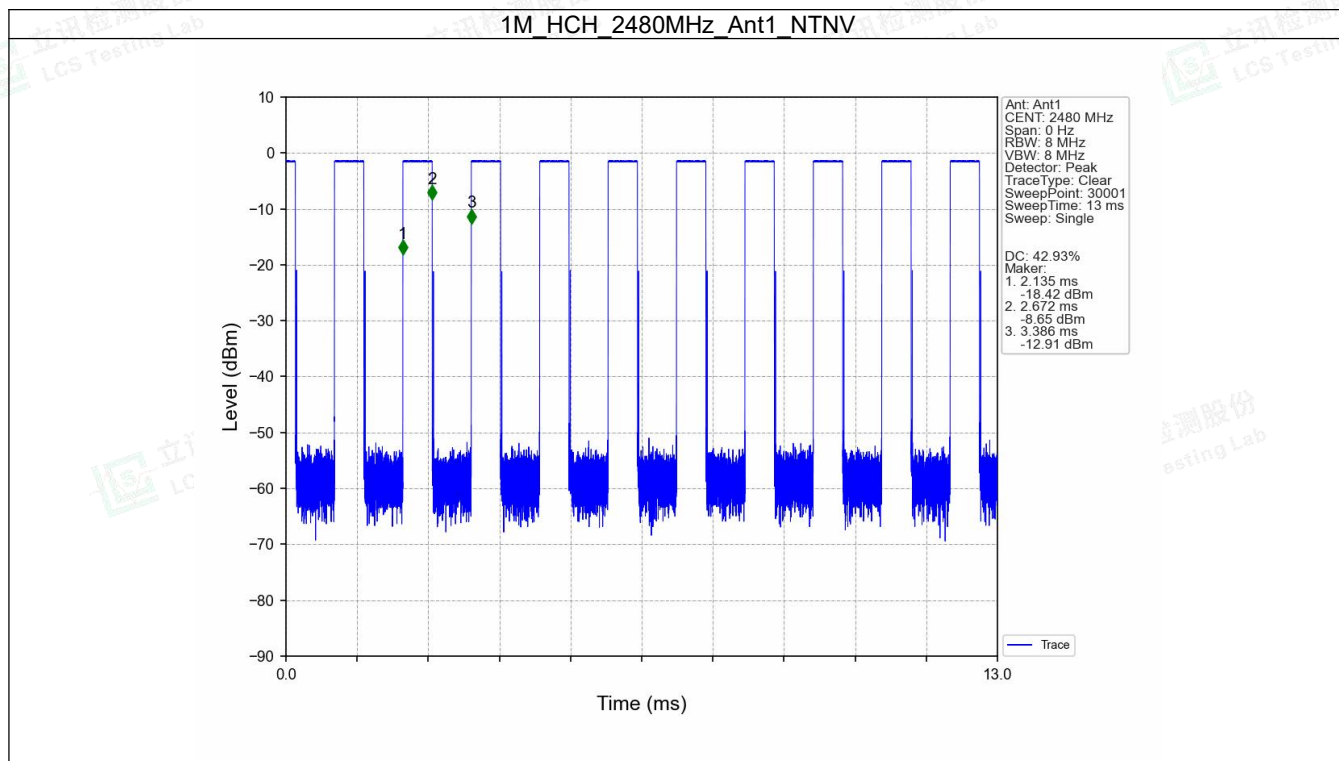


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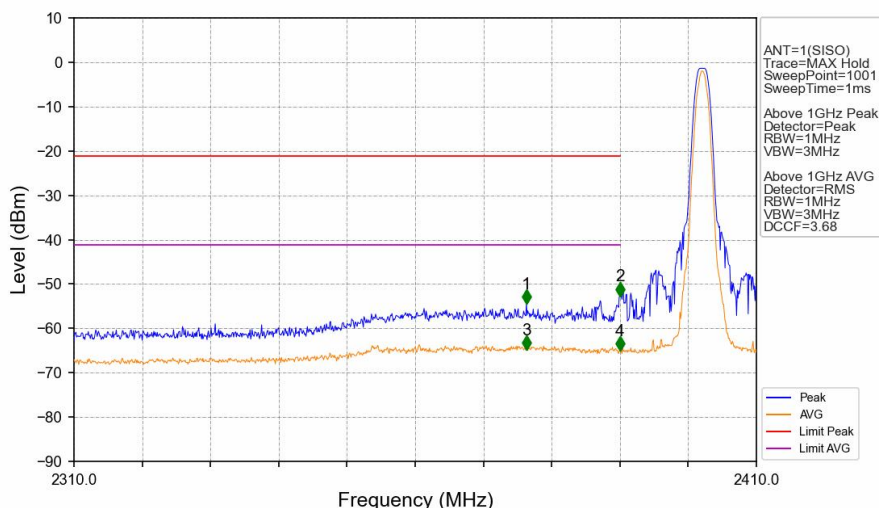
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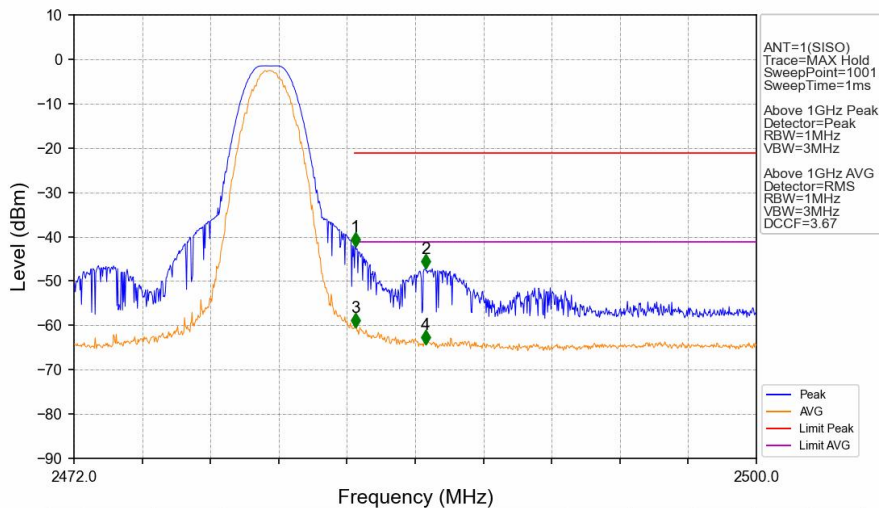
A.7 Restrict Band

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	2376.300	-54.38	-21.20	33.18	Pass	Peak	3	2376.300	-64.78	-41.20	23.59	Pass	AVG
2	2390.000	-52.70	-21.20	31.50	Pass	Peak	4	2390.000	-65.04	-41.20	23.84	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	2483.536	-42.20	-21.20	21.00	Pass	Peak	3	2483.536	-60.38	-41.20	19.18	Pass	AVG
2	2486.420	-47.22	-21.20	26.02	Pass	Peak	4	2486.420	-64.25	-41.20	23.05	Pass	AVG



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