



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Strip light

Test Model: TTGA002

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





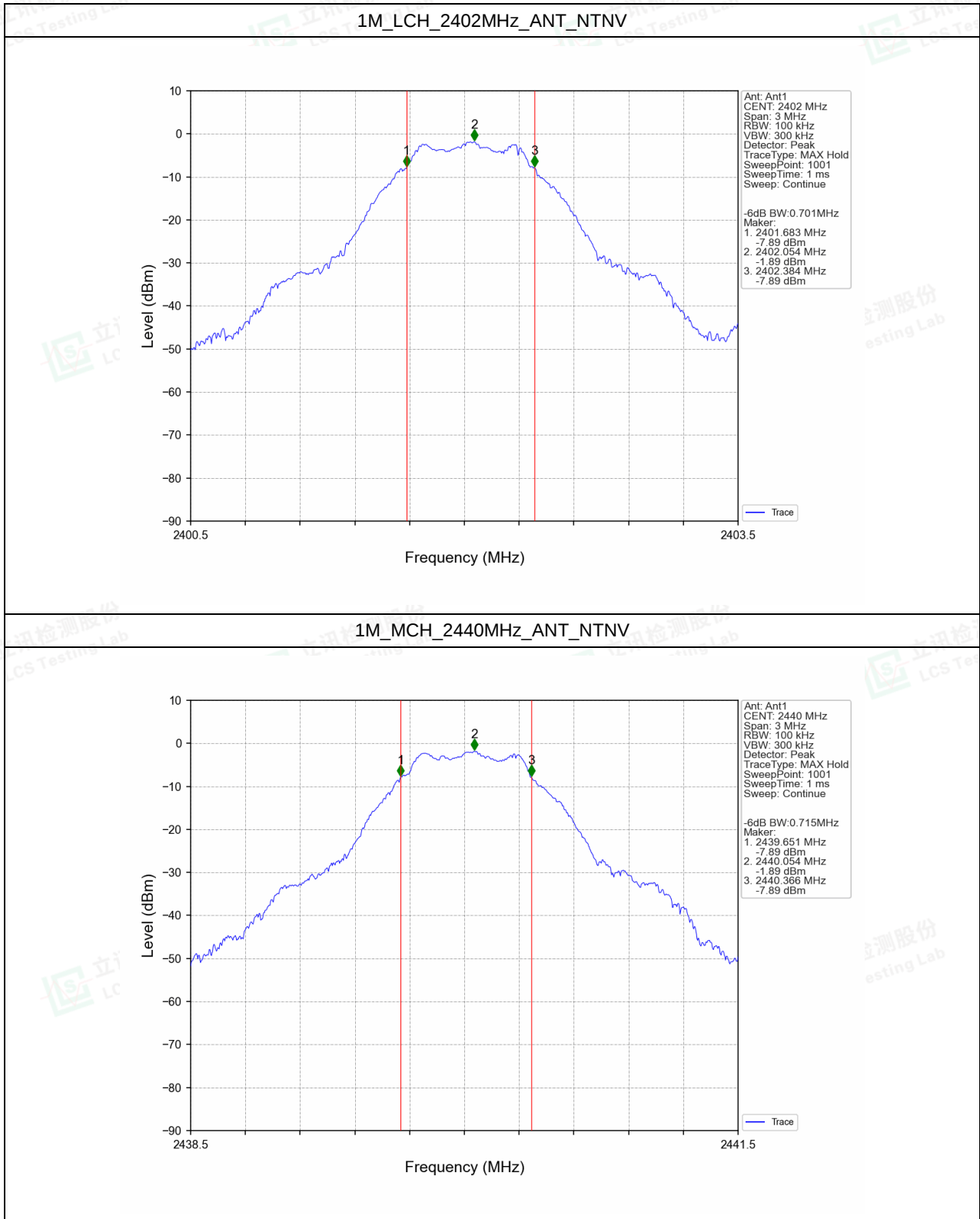
A.1 -6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.701	>=0.5	Pass
		2440	1	0.715	>=0.5	Pass
		2480	1	0.705	>=0.5	Pass





6dB BW



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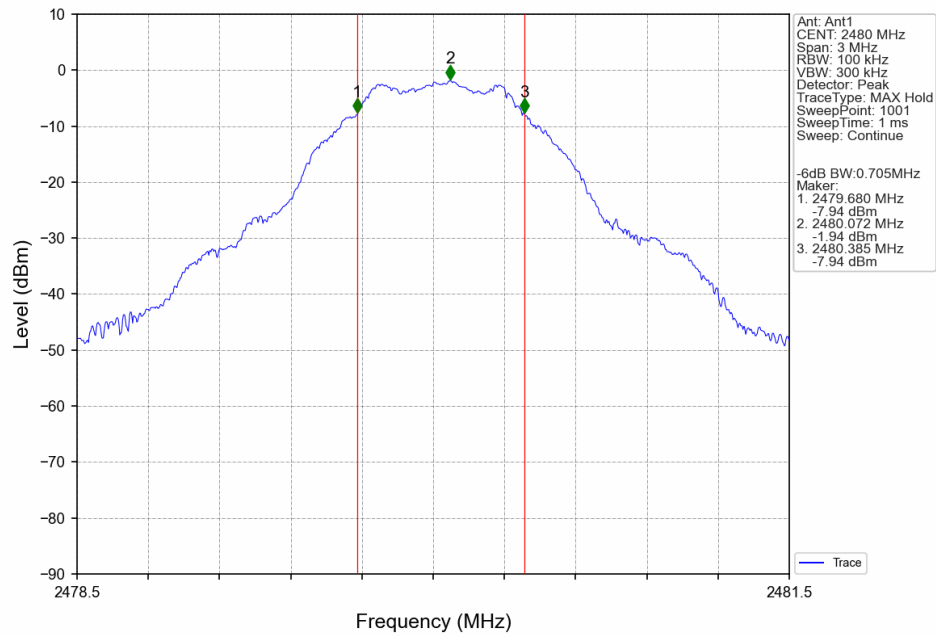
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1M_HCH_2480MHz_ANT_NTNV



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A.2 Maximum Peak Conducted Output Power

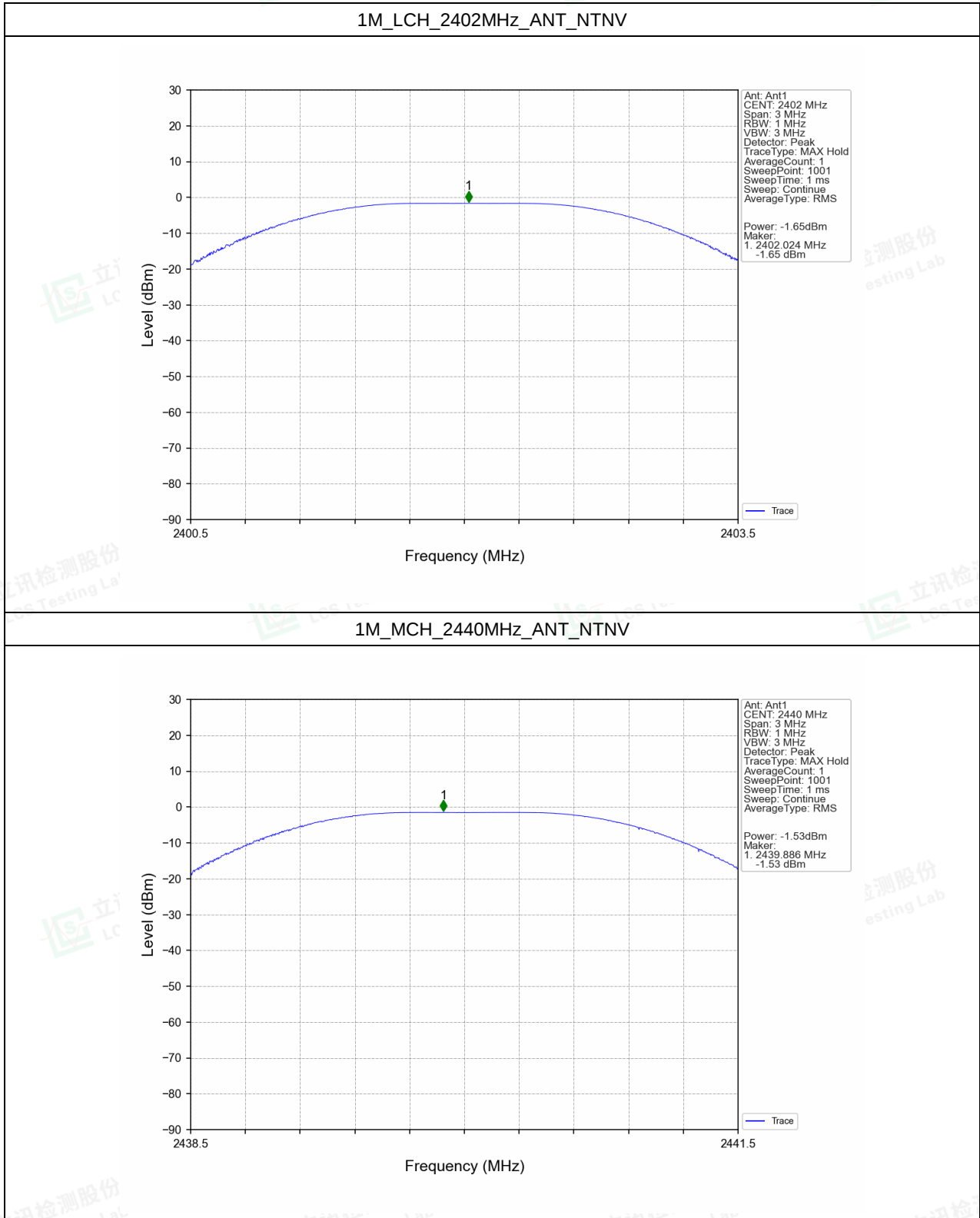
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT	Limit	
1M	SISO	2402	-1.65	<=30	Pass
		2440	-1.53	<=30	Pass
		2480	-1.63	<=30	Pass





Test Graph

Power



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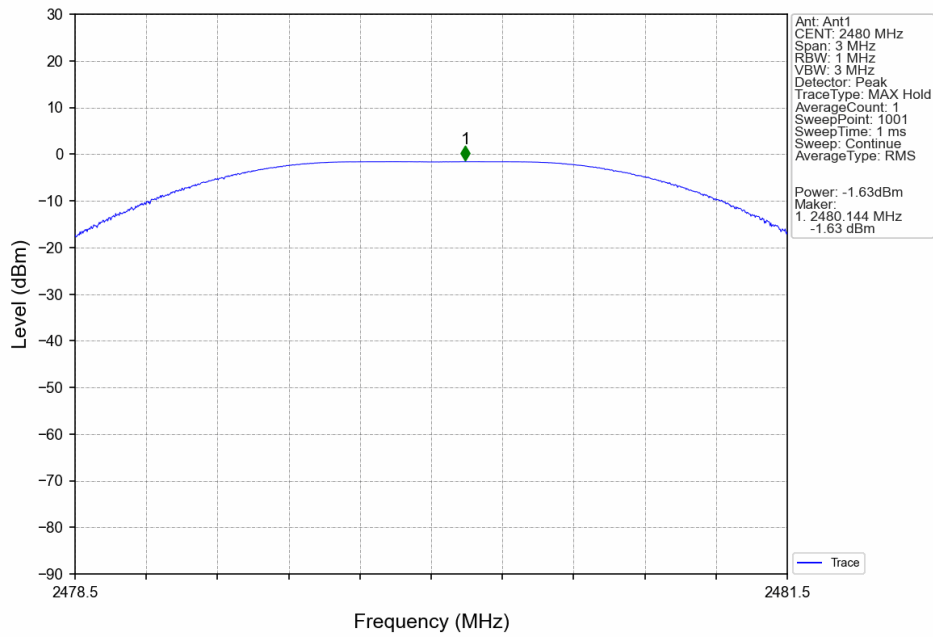
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A.3 Maximum Power Spectral Density Level

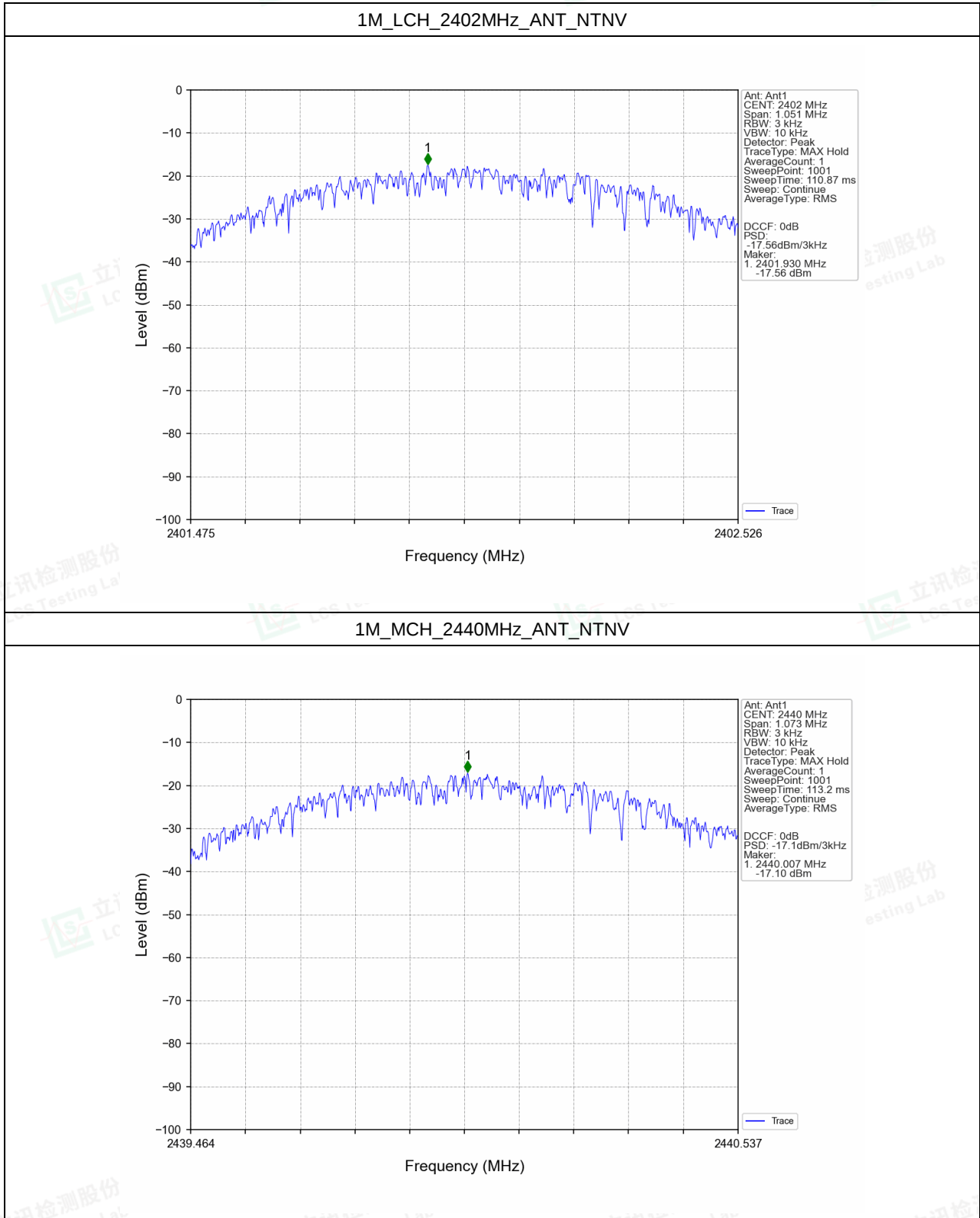
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT	Limit	
1M	SISO	2402	-17.56	<=8	Pass
		2440	-17.10	<=8	Pass
		2480	-15.95	<=8	Pass





Test Graph

PSD

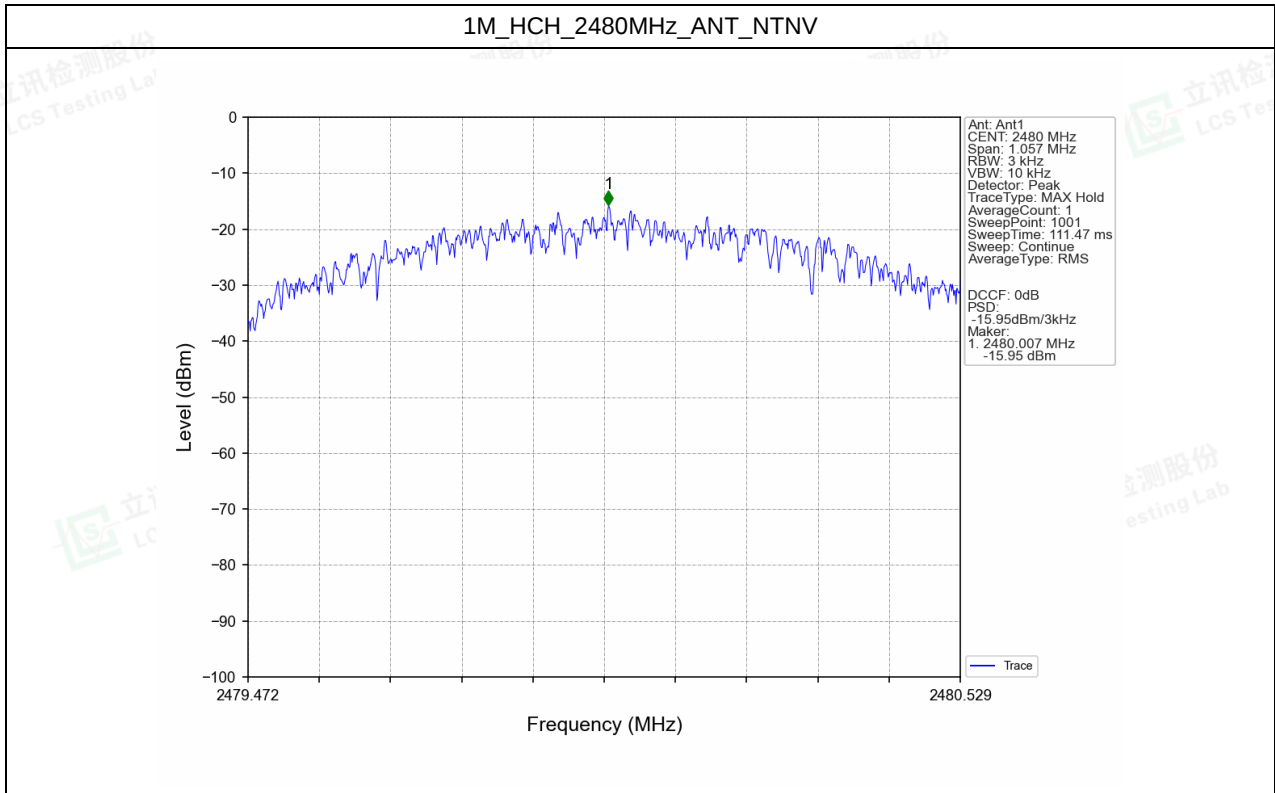


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A.4 Band Edge

CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.93	-21.93	Pass
		2440	1	-1.93	-21.93	Pass
		2480	1	-1.93	-21.93	Pass

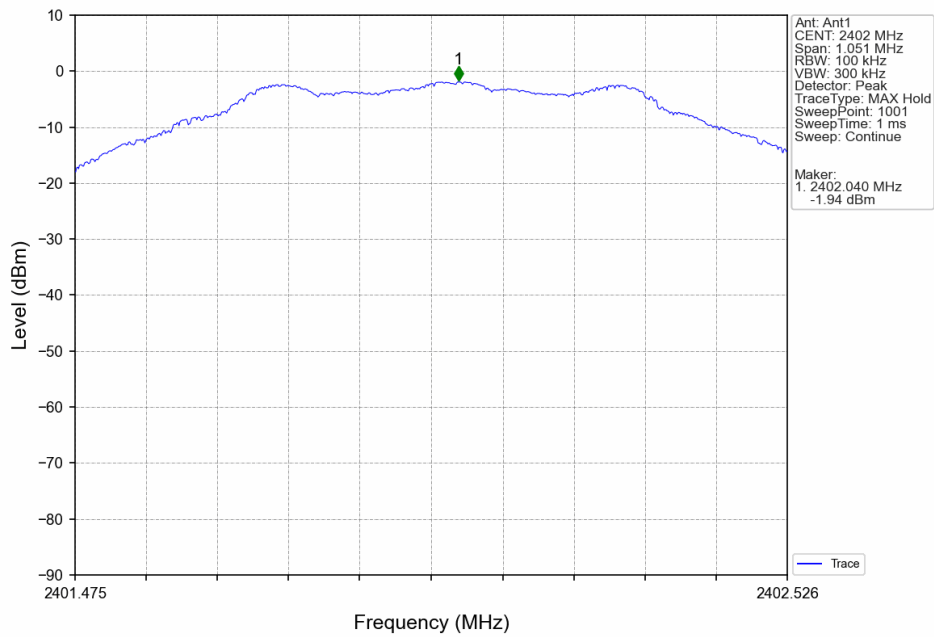
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



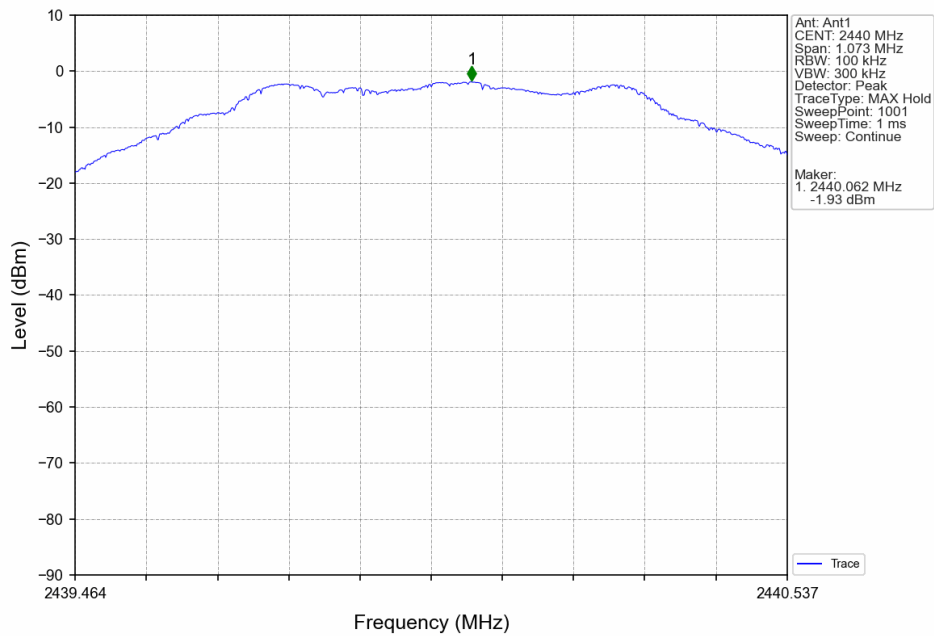


Ref

1M_LCH_2402MHz_ANT_NTNV



1M_MCH_2440MHz_ANT_NTNV



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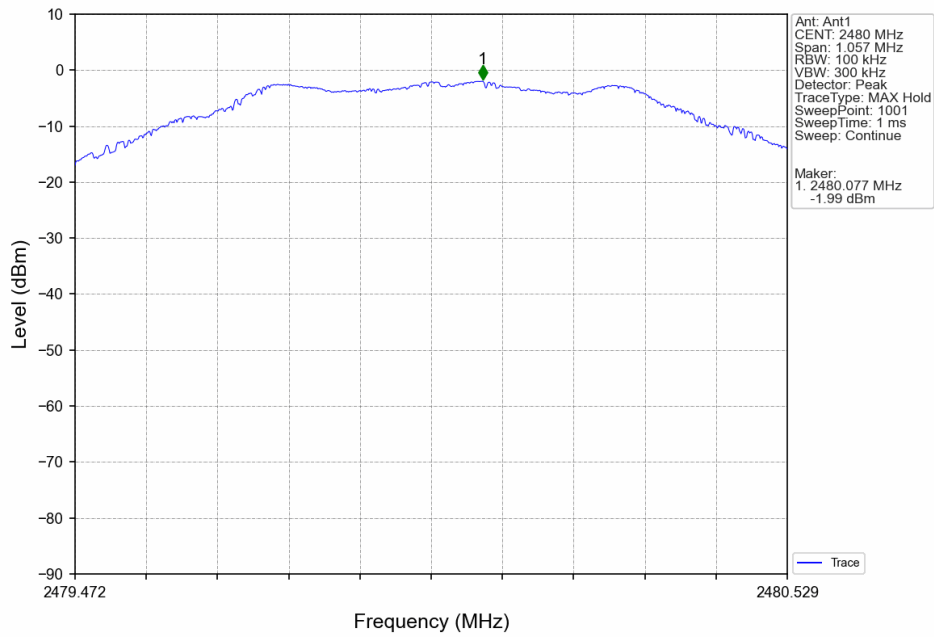
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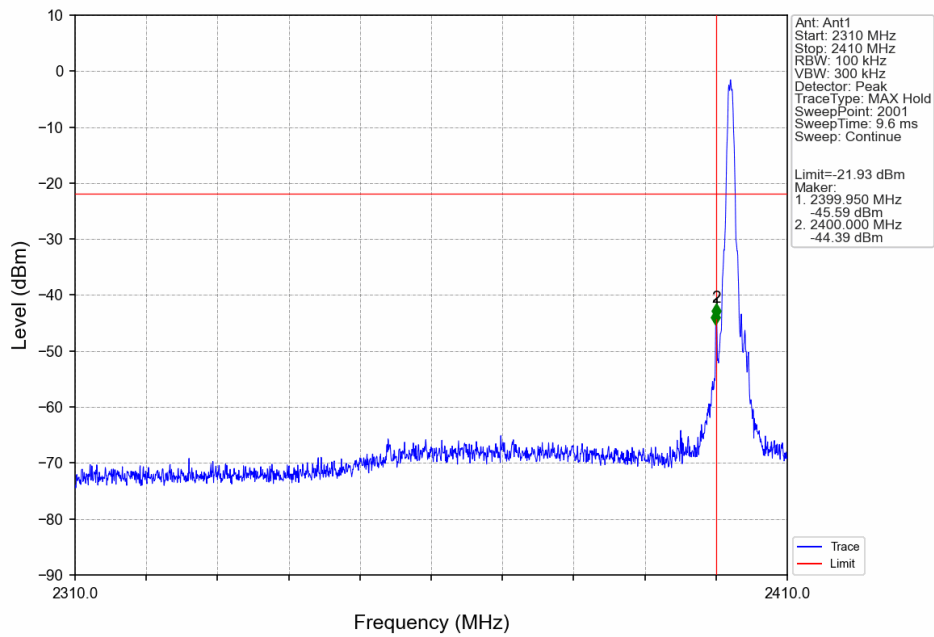
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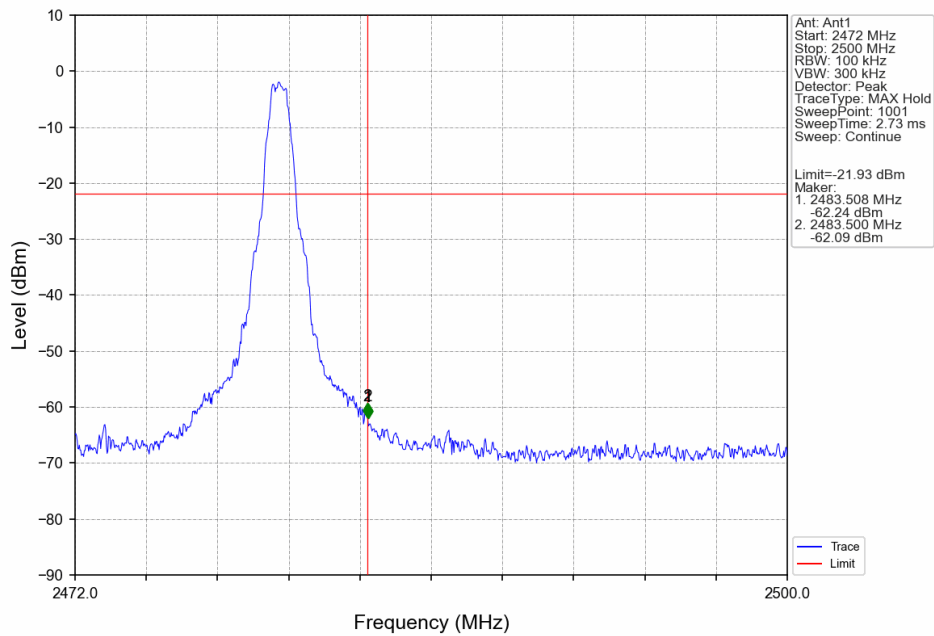


CSE

1M_LCH_2402MHz_ANT_NTNV



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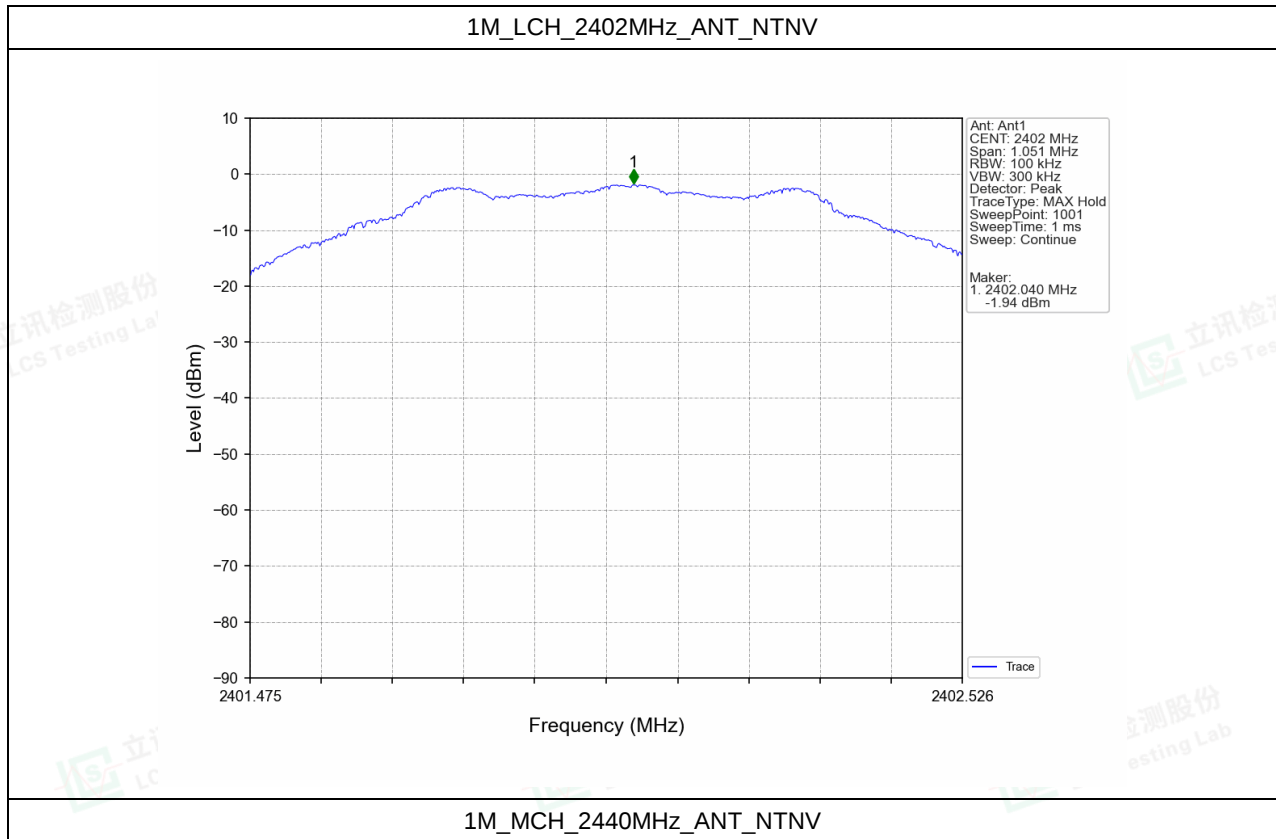
A.5 Conducted RF Spurious Emission

Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.94
		2440	1	-1.93
		2480	1	-1.99

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.

5.2.1 Ref

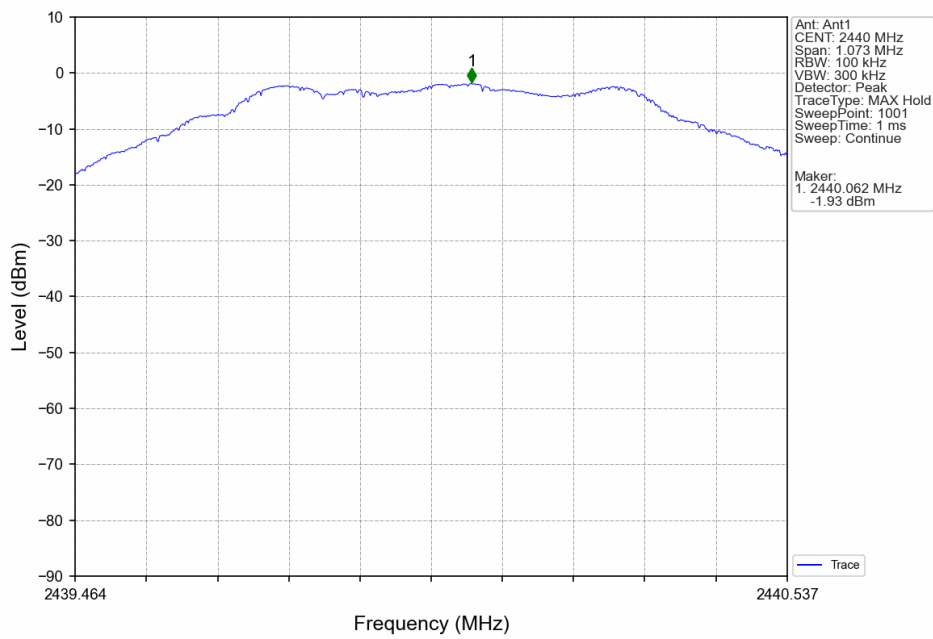


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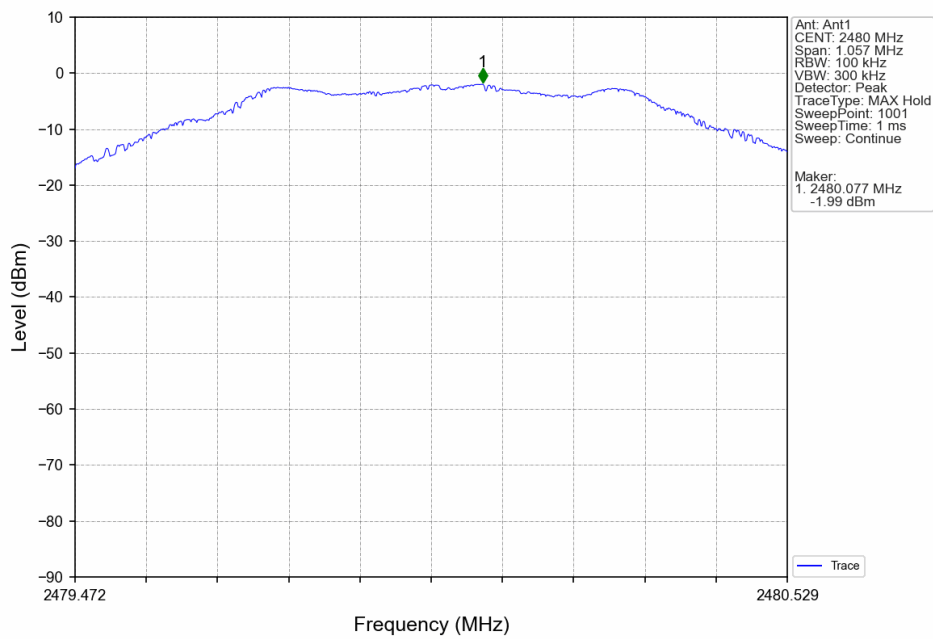
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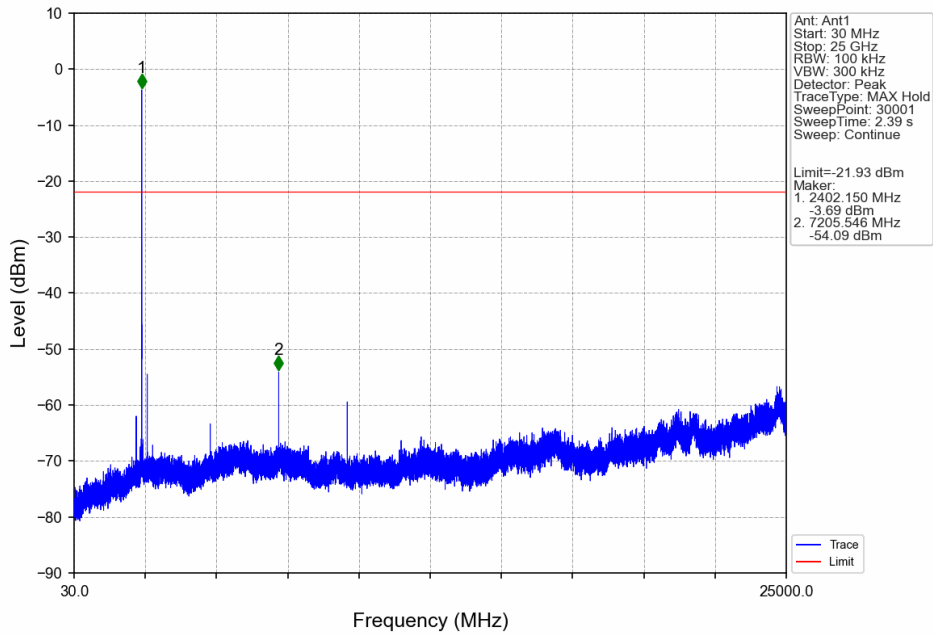
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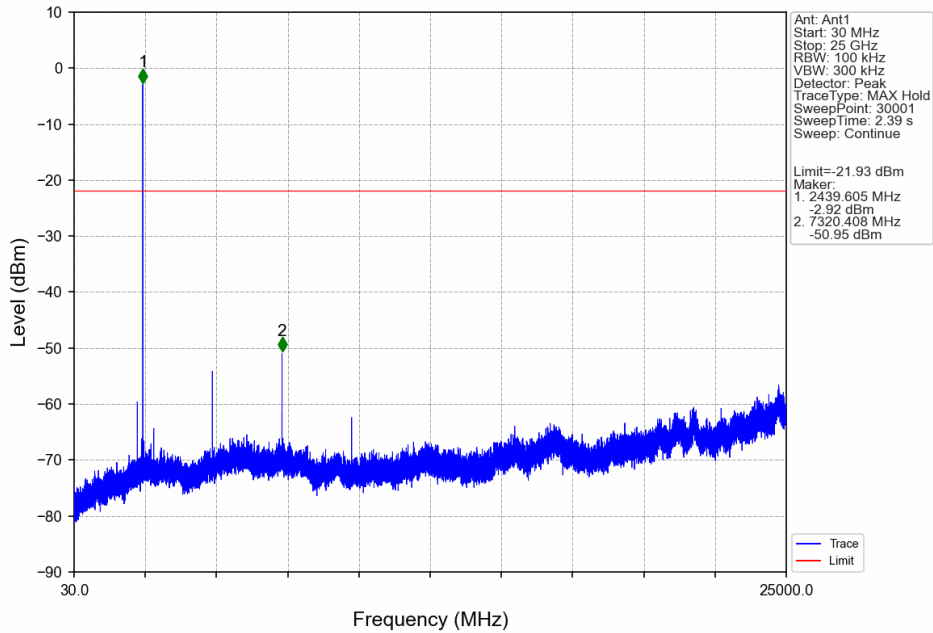


CSE

1M_LCH_2402MHz_ANT_NTNV



1M_MCH_2440MHz_ANT_NTNV



1M_HCH_2480MHz_ANT_NTNV

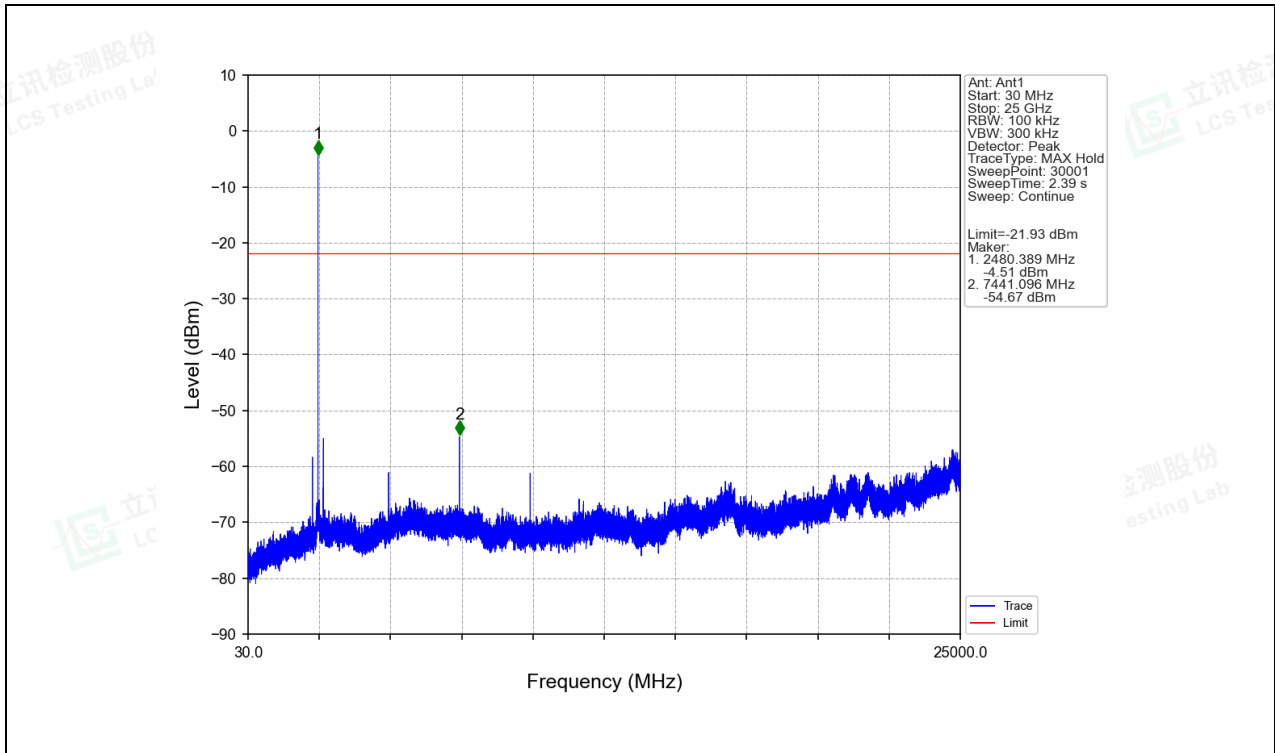


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A.6 Duty Cycle

ANT							
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	0.03
		2440	0.536	1.250	42.88	3.68	0.03
		2480	0.537	1.250	42.96	3.67	0.03

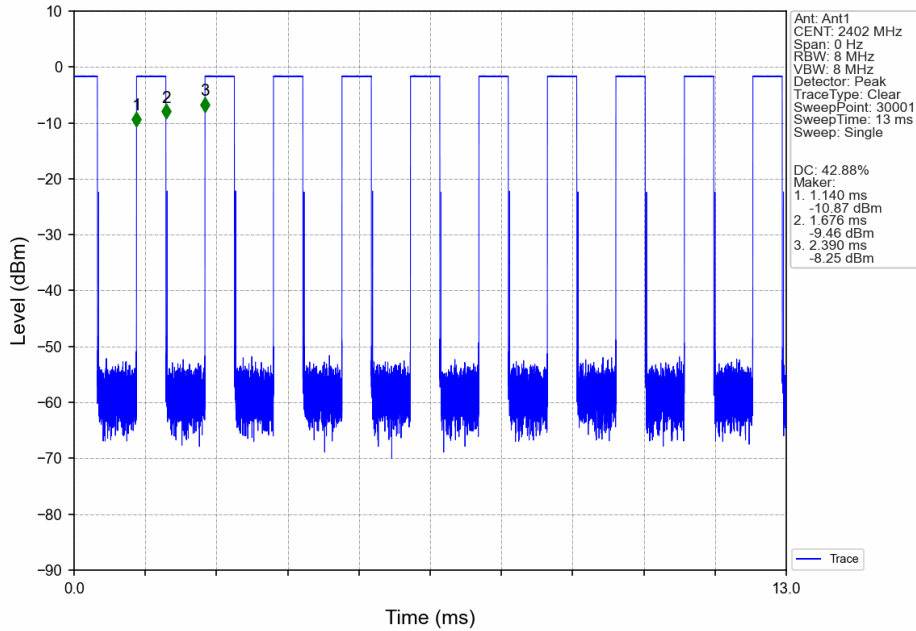




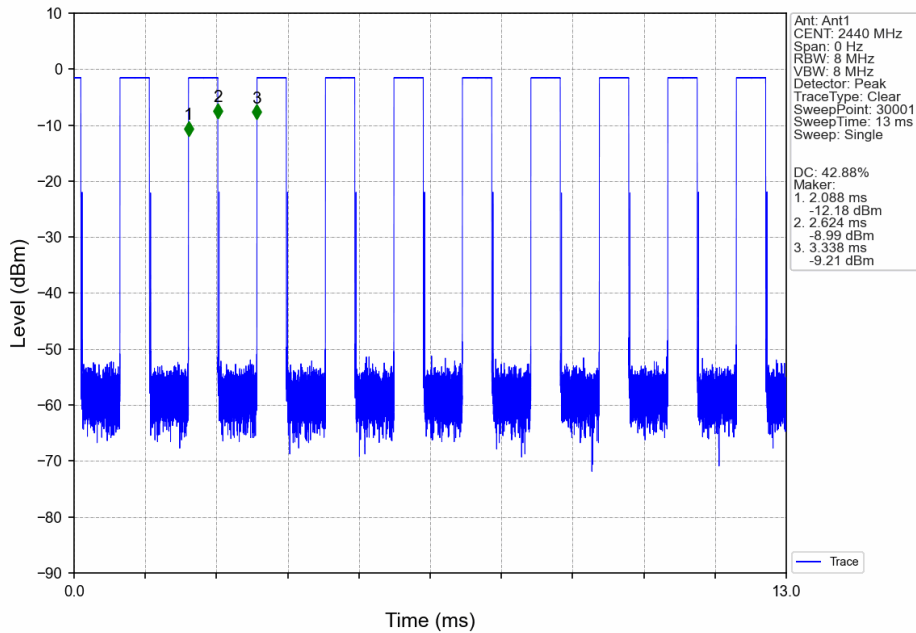
Test Graph

ANT

1M_LCH_2402MHz_ANT_NTNV



1M_MCH_2440MHz_ANT_NTNV



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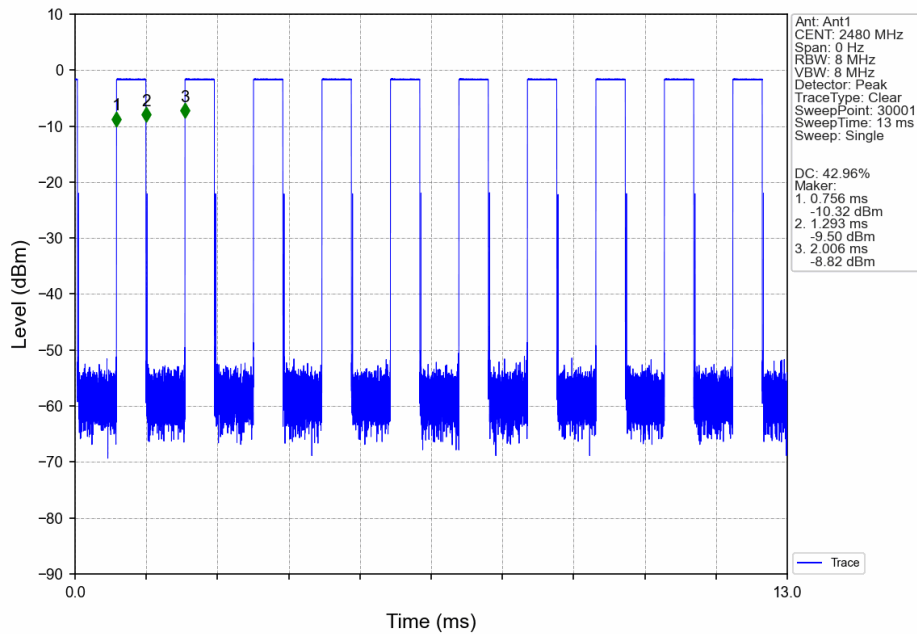
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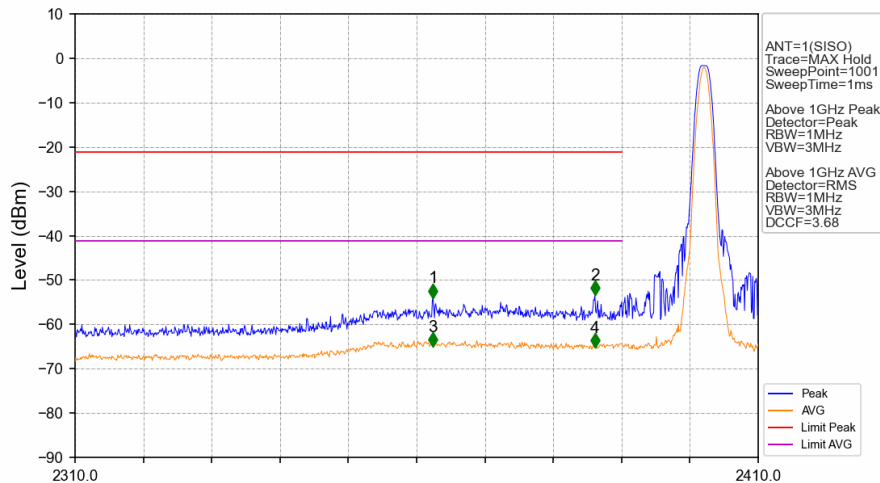
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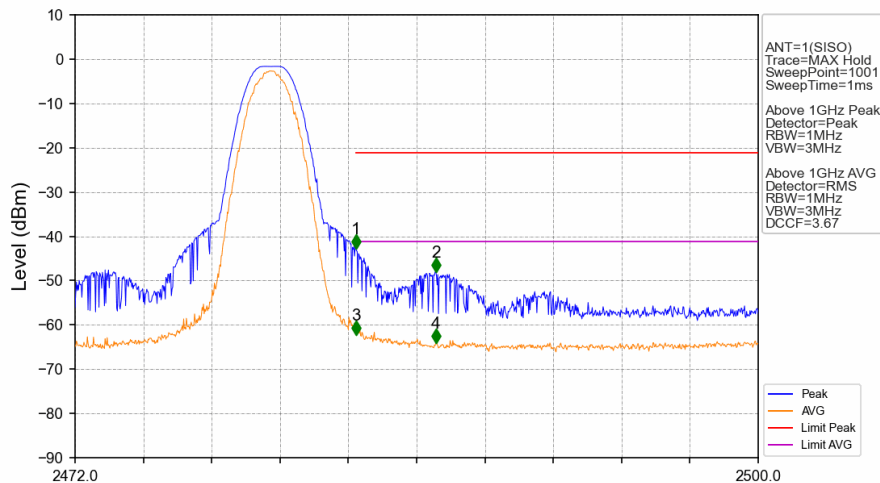
A.7 Restrict Band

1M_LCH_2402MHz_ANT_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2362.400	-53.97	-21.20	32.77	Pass	Peak	3	2362.400	-65.07	-41.20	23.87	Pass	AVG
2	2386.100	-53.29	-21.20	32.09	Pass	Peak	4	2386.100	-65.20	-41.20	24.00	Pass	AVG

1M_HCH_2480MHz_ANT_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	-42.77	-21.20	21.57	Pass	Peak	3	2483.508	-62.22	-41.20	21.02	Pass	AVG
2	2486.784	-48.05	-21.20	26.85	Pass	Peak	4	2486.784	-64.01	-41.20	22.81	Pass	AVG



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