



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Mini Keyboard

Test Model: MK623Pro

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Nick Peng



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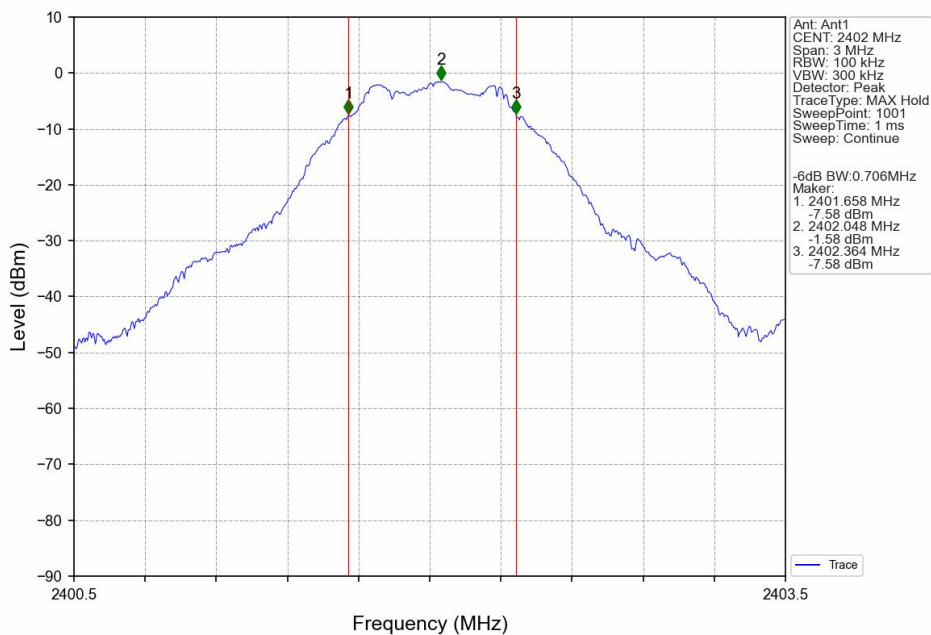
A.1 -6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.706	≥ 0.5	Pass
		2440	1	0.728	≥ 0.5	Pass
		2480	1	0.707	≥ 0.5	Pass
2M	SISO	2402	1	1.181	≥ 0.5	Pass
		2440	1	1.256	≥ 0.5	Pass
		2480	1	1.199	≥ 0.5	Pass

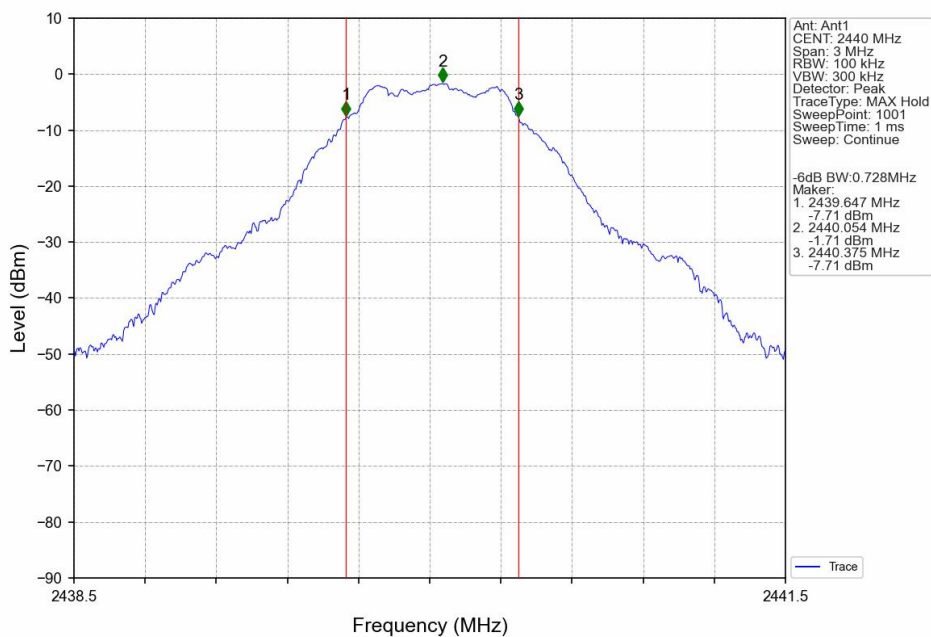




1M_LCH_2402MHz_Ant1_NTNV

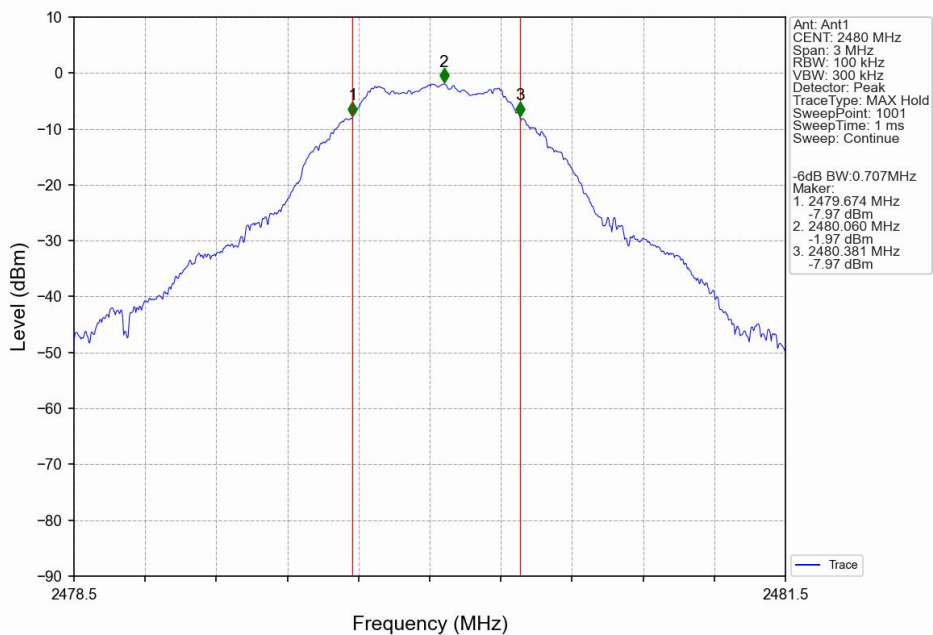


1M_MCH_2440MHz_Ant1_NTNV

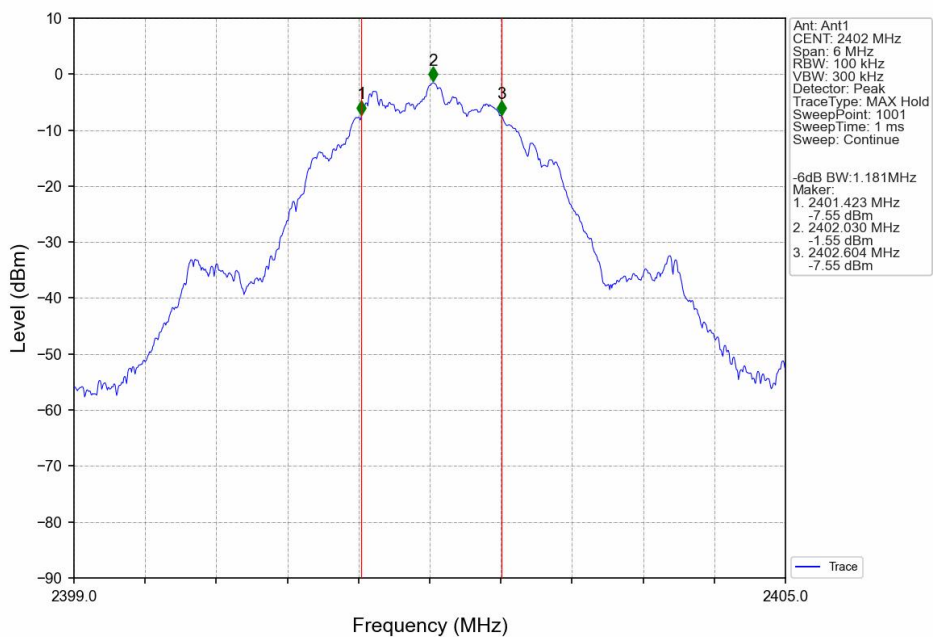




1M_HCH_2480MHz_Ant1_NTNV

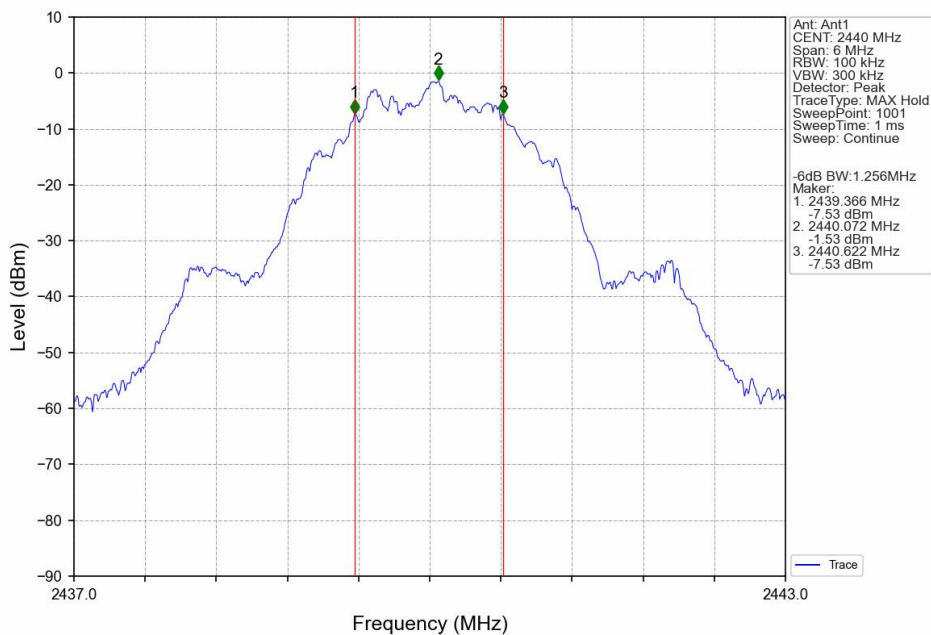


2M_LCH_2402MHz_Ant1_NTNV

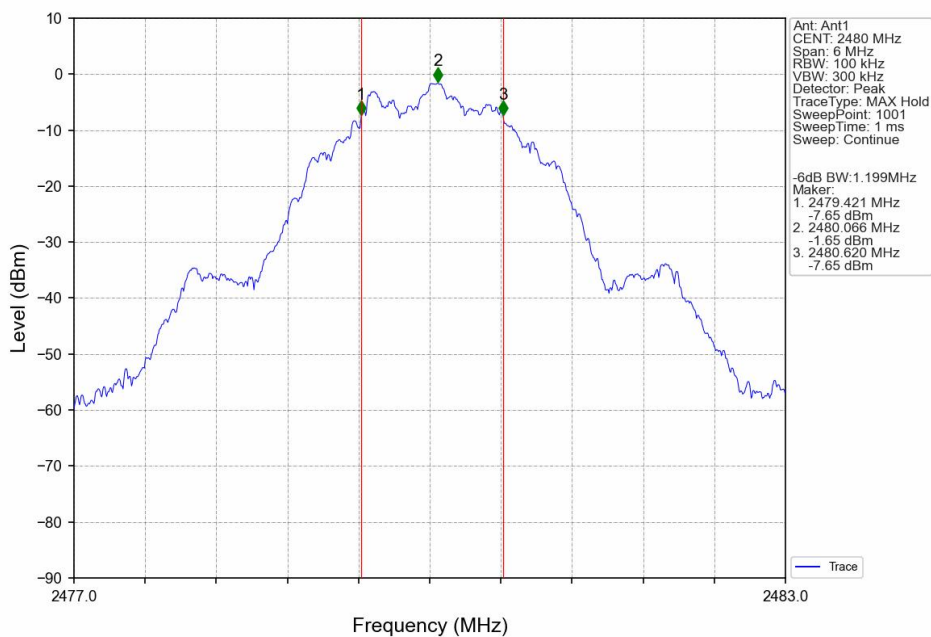




2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV





A.2 Maximum Peak Conducted Output Power

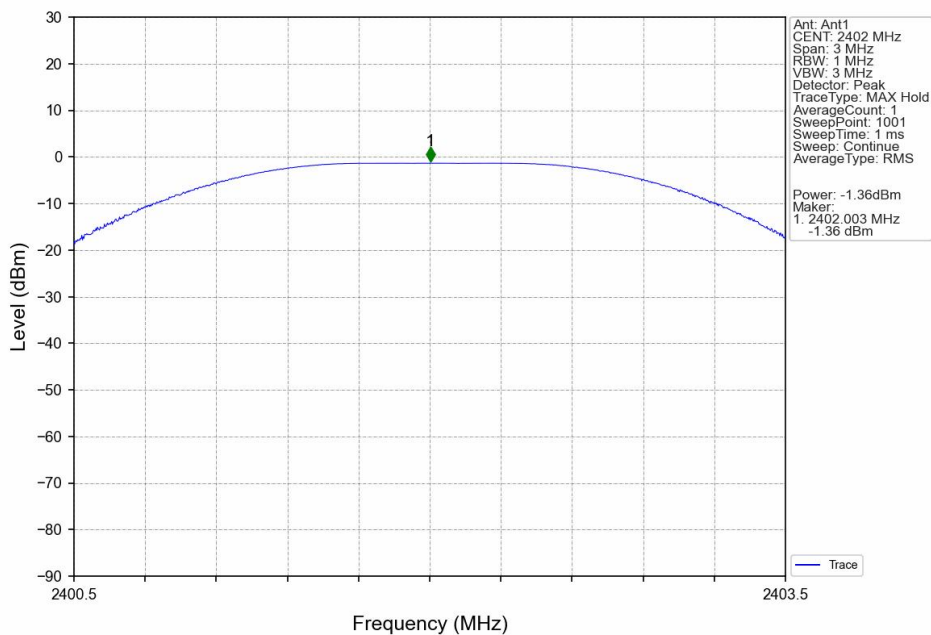
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-1.36	<=30	Pass
		2440	-1.30	<=30	Pass
		2480	-1.49	<=30	Pass
2M	SISO	2402	-1.25	<=30	Pass
		2440	-1.17	<=30	Pass
		2480	-1.33	<=30	Pass



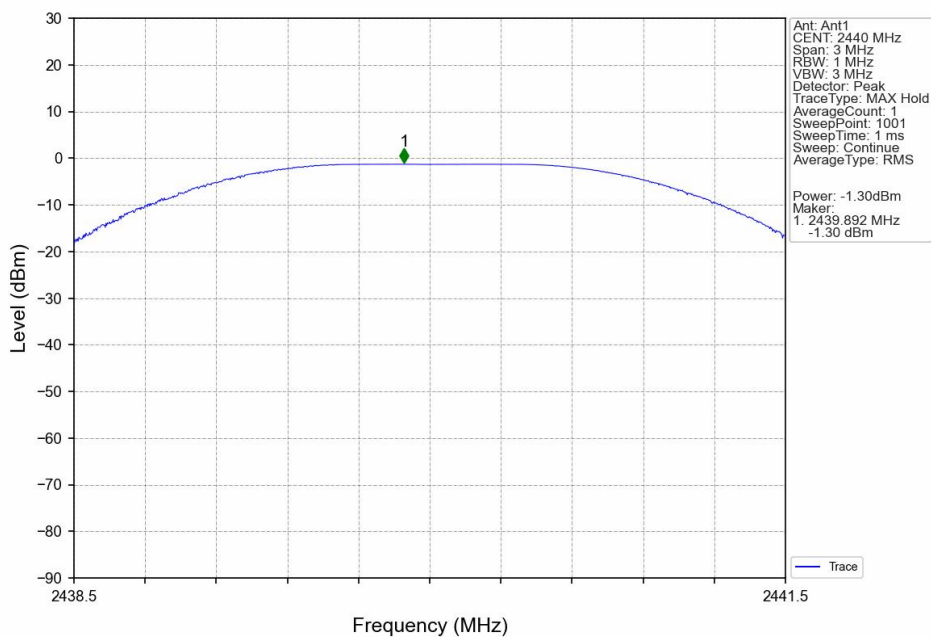
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1M_LCH_2402MHz_Ant1_NTNV

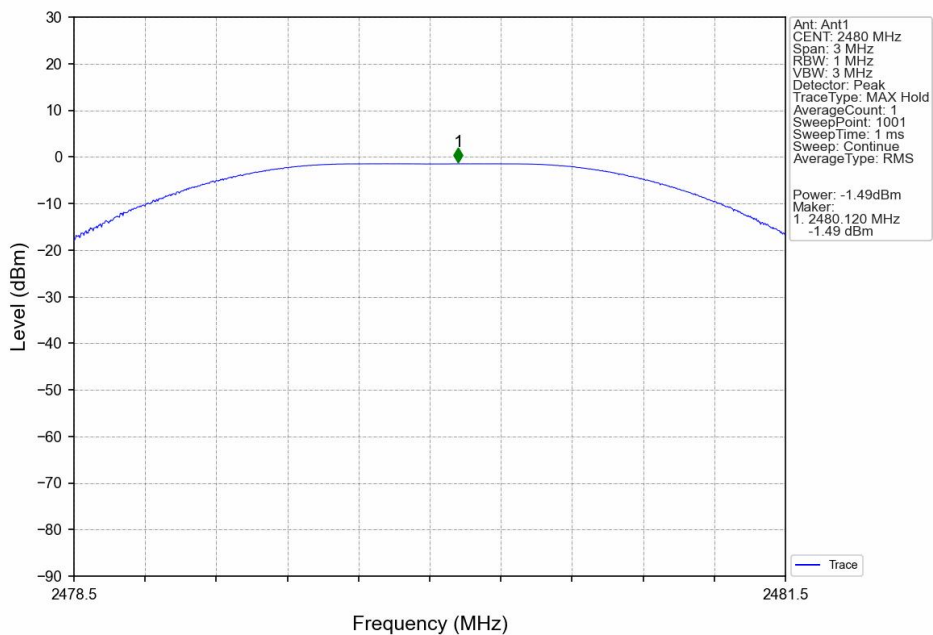


1M_MCH_2440MHz_Ant1_NTNV

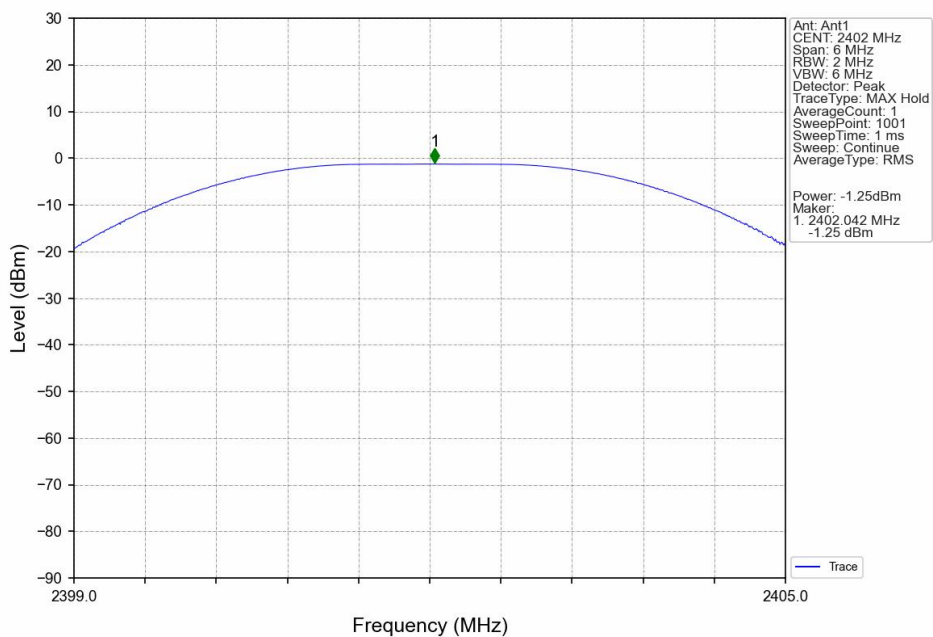




1M_HCH_2480MHz_Ant1_NTNV

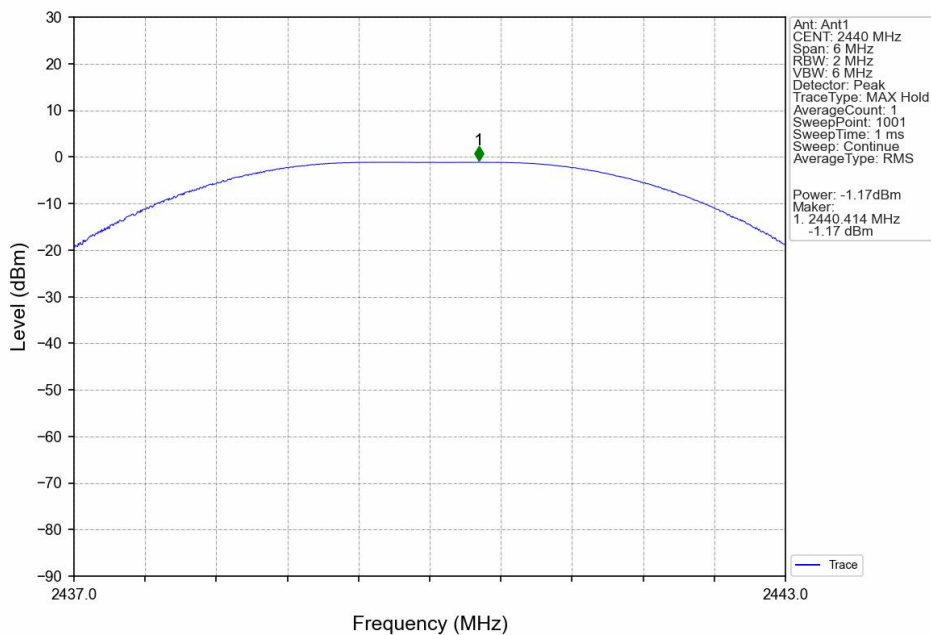


2M_LCH_2402MHz_Ant1_NTNV

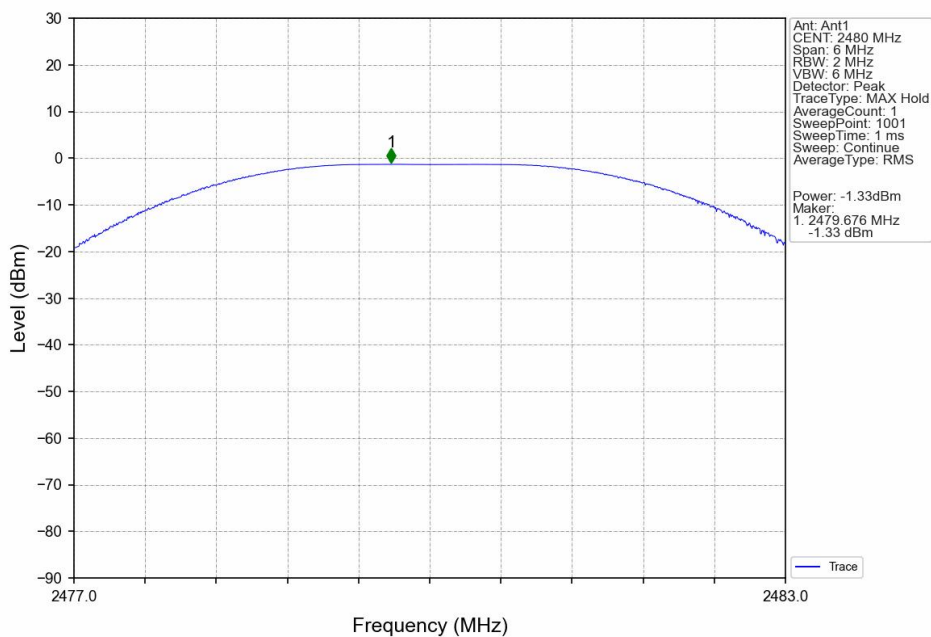




2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV

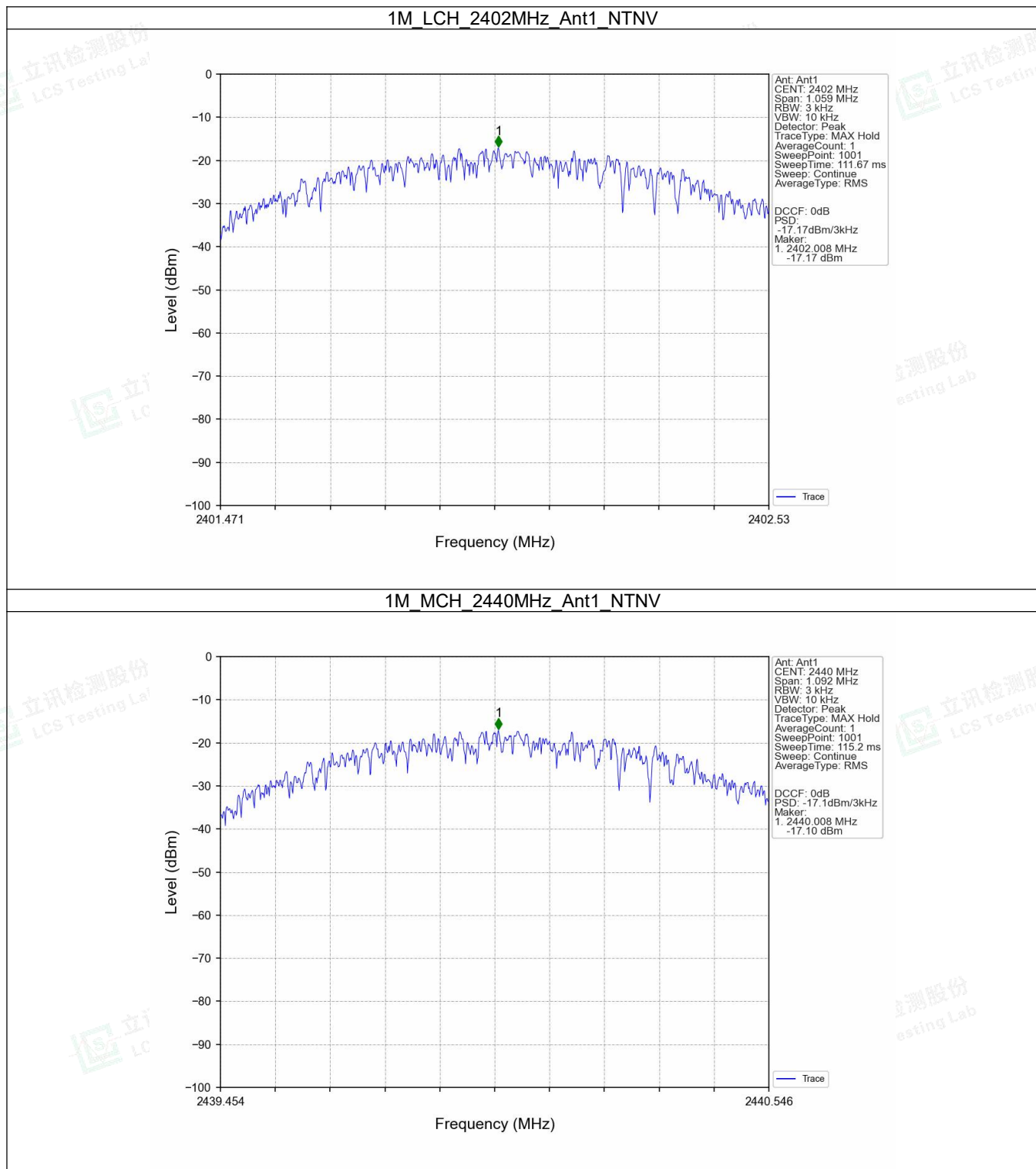




A.3 Maximum Power Spectral Density

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.17	<=8	Pass
		2440	-17.10	<=8	Pass
		2480	-15.80	<=8	Pass
2M	SISO	2402	-19.59	<=8	Pass
		2440	-19.18	<=8	Pass
		2480	-19.32	<=8	Pass



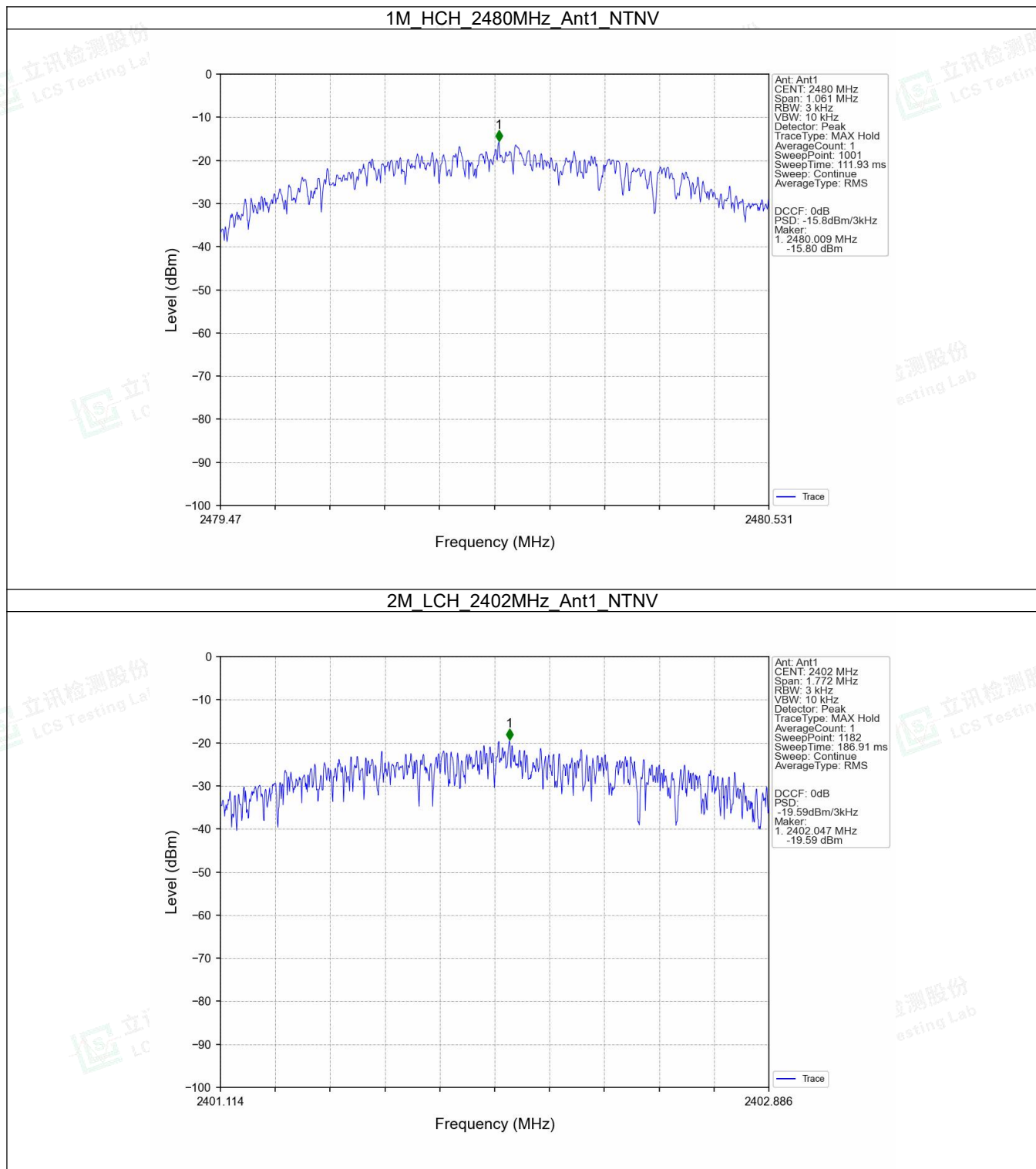


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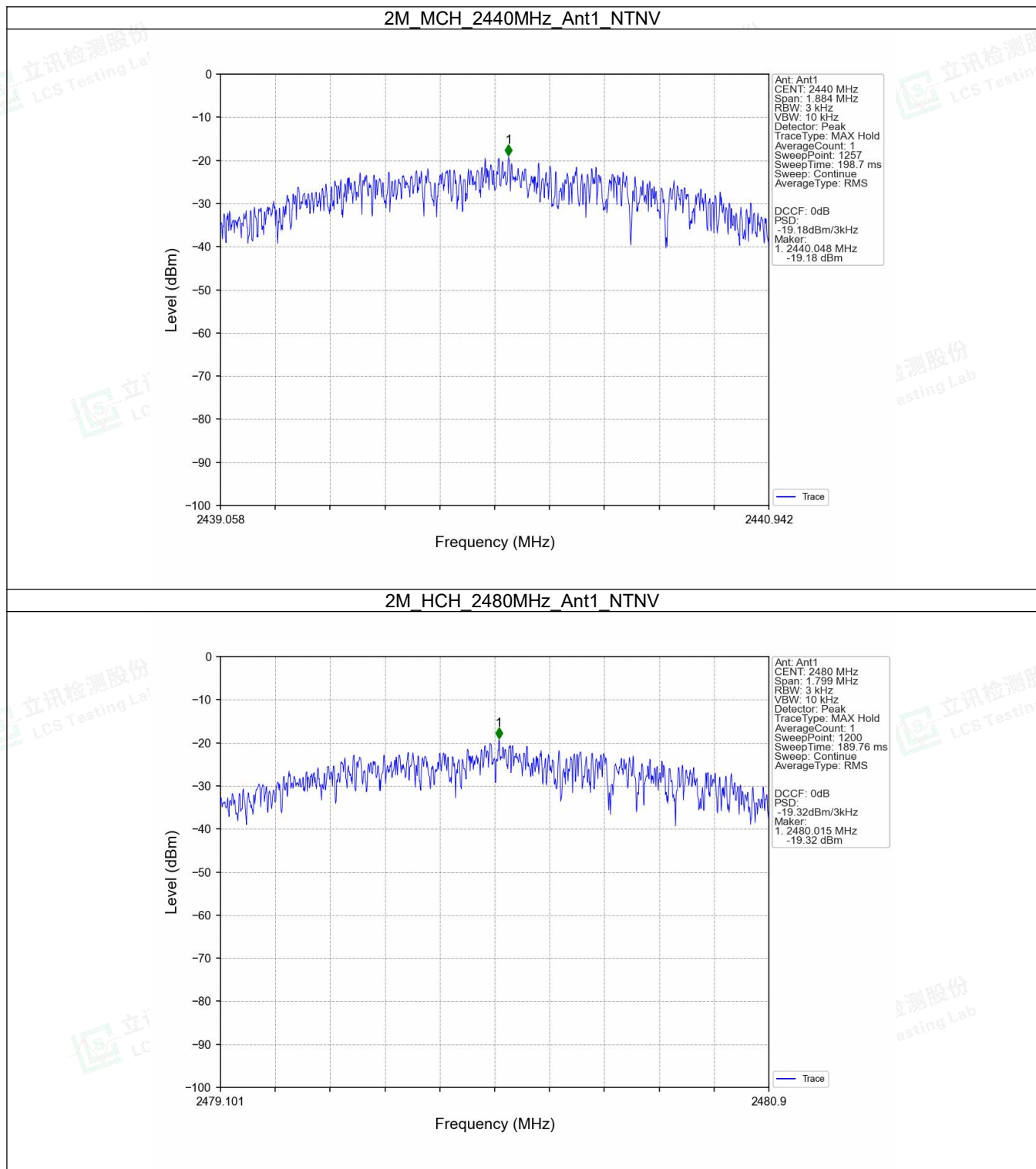


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A.4 Band Edge

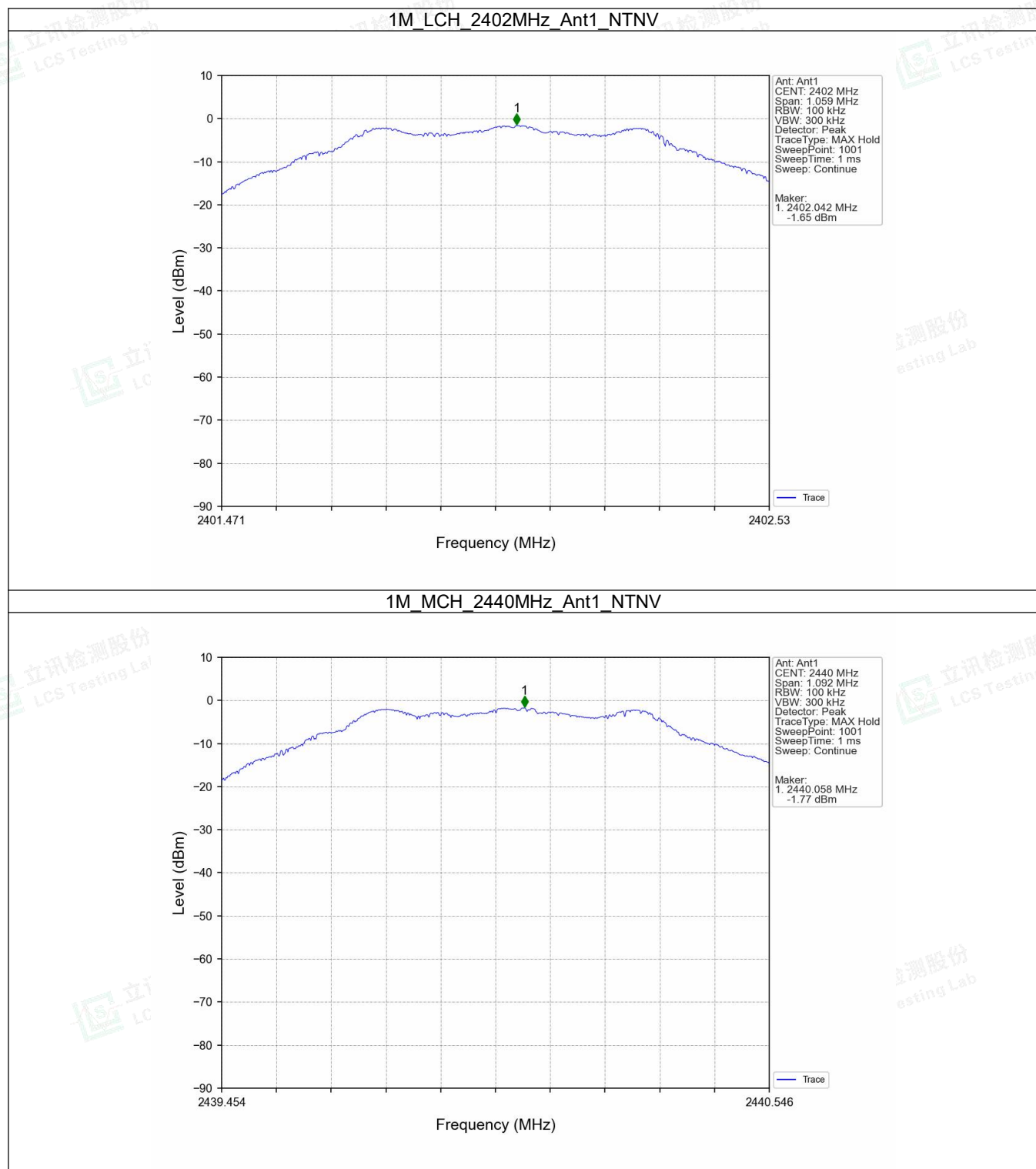
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.65	-21.65	Pass
		2440	1	-1.65	-21.65	Pass
		2480	1	-1.65	-21.65	Pass
2M	SISO	2402	1	-1.61	-21.61	Pass
		2440	1	-1.61	-21.61	Pass
		2480	1	-1.61	-21.61	Pass

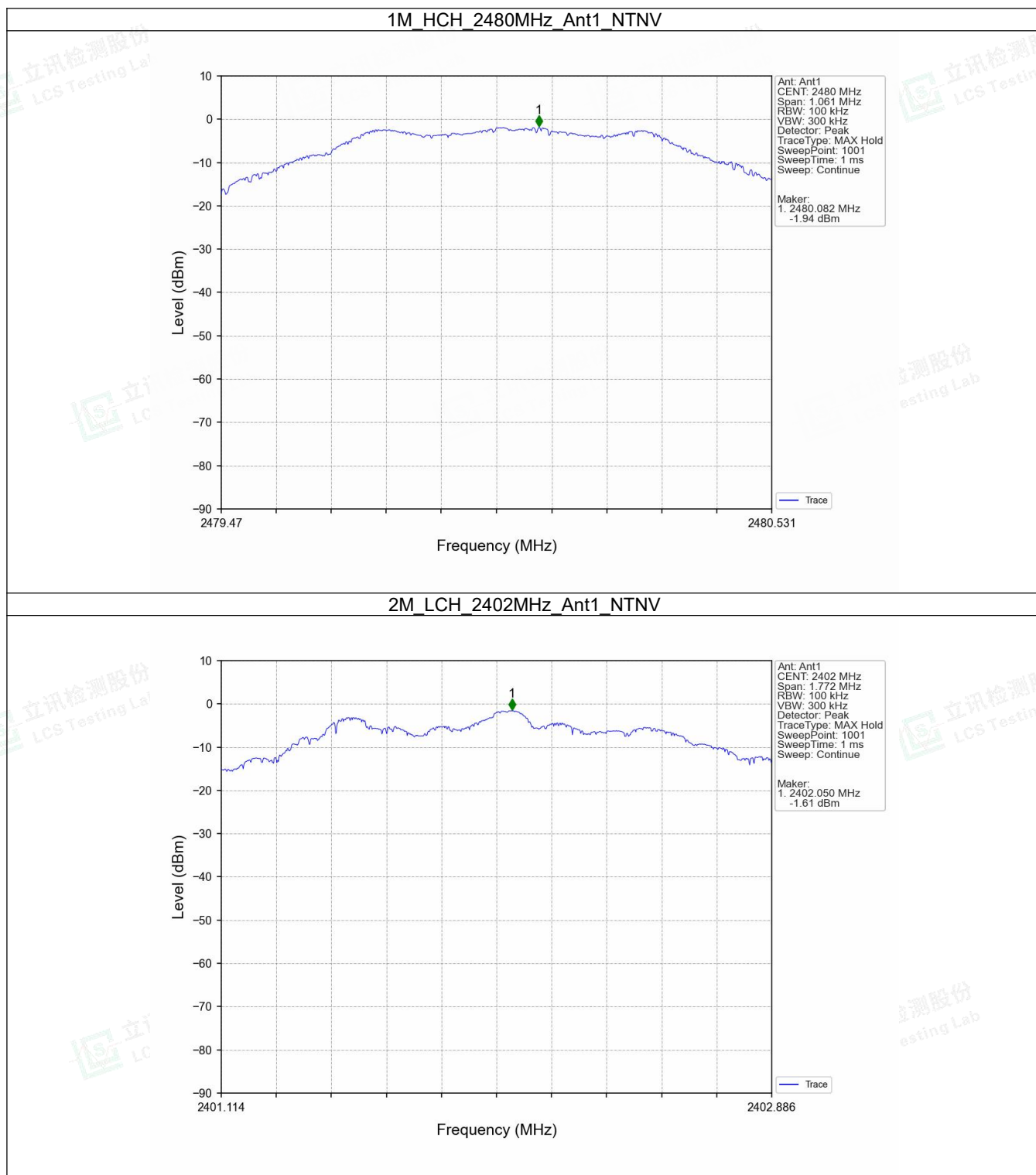
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

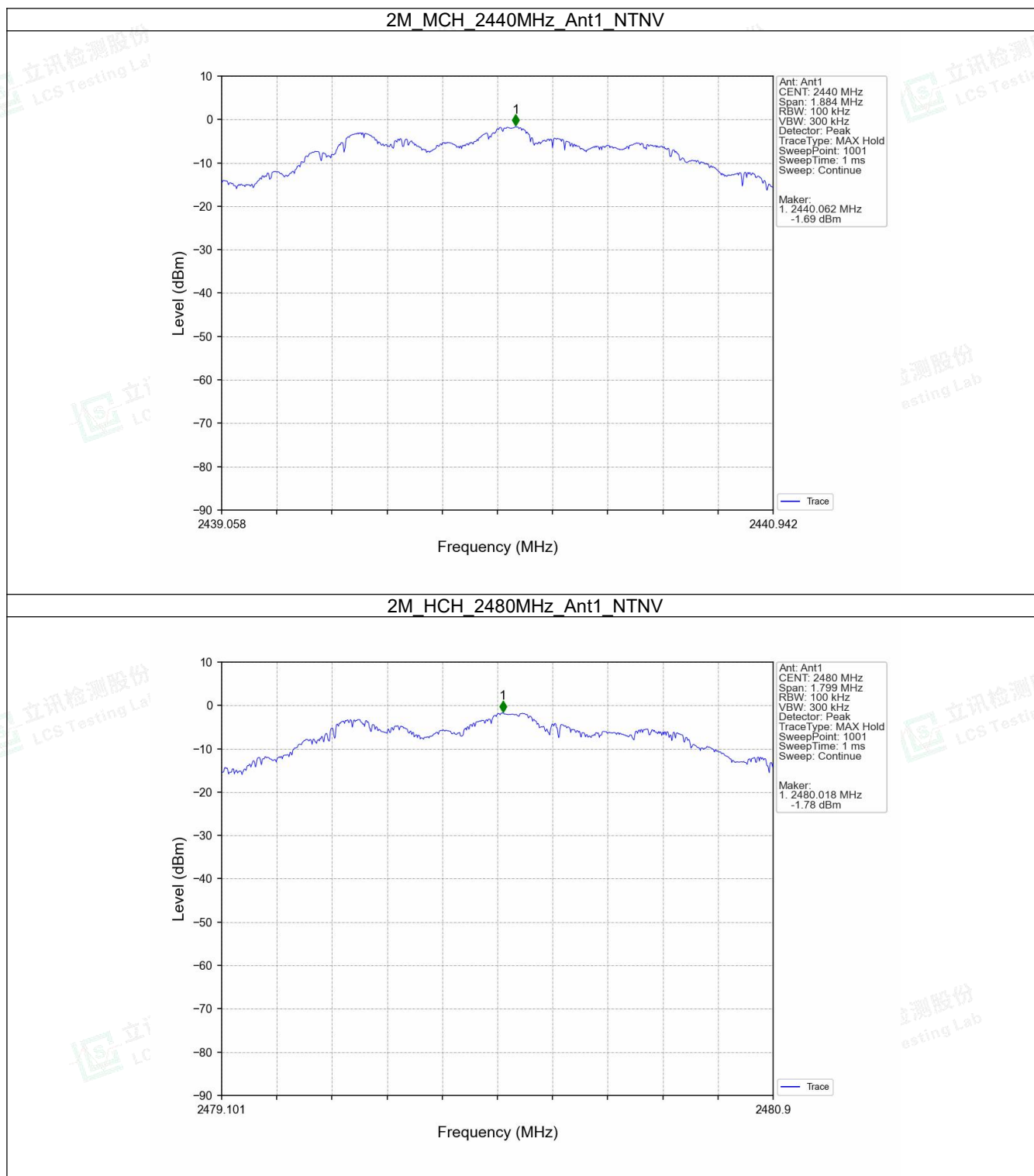


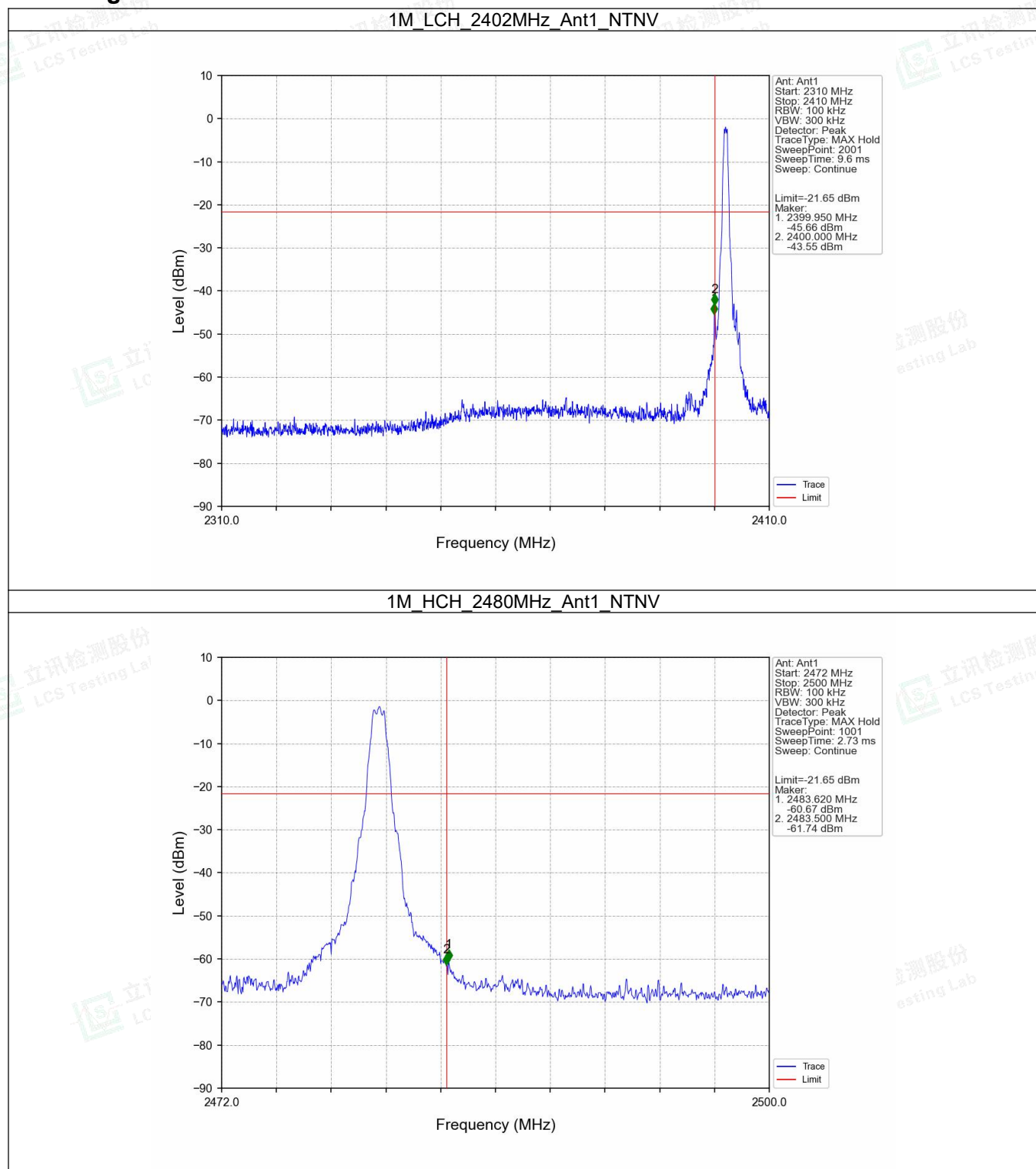


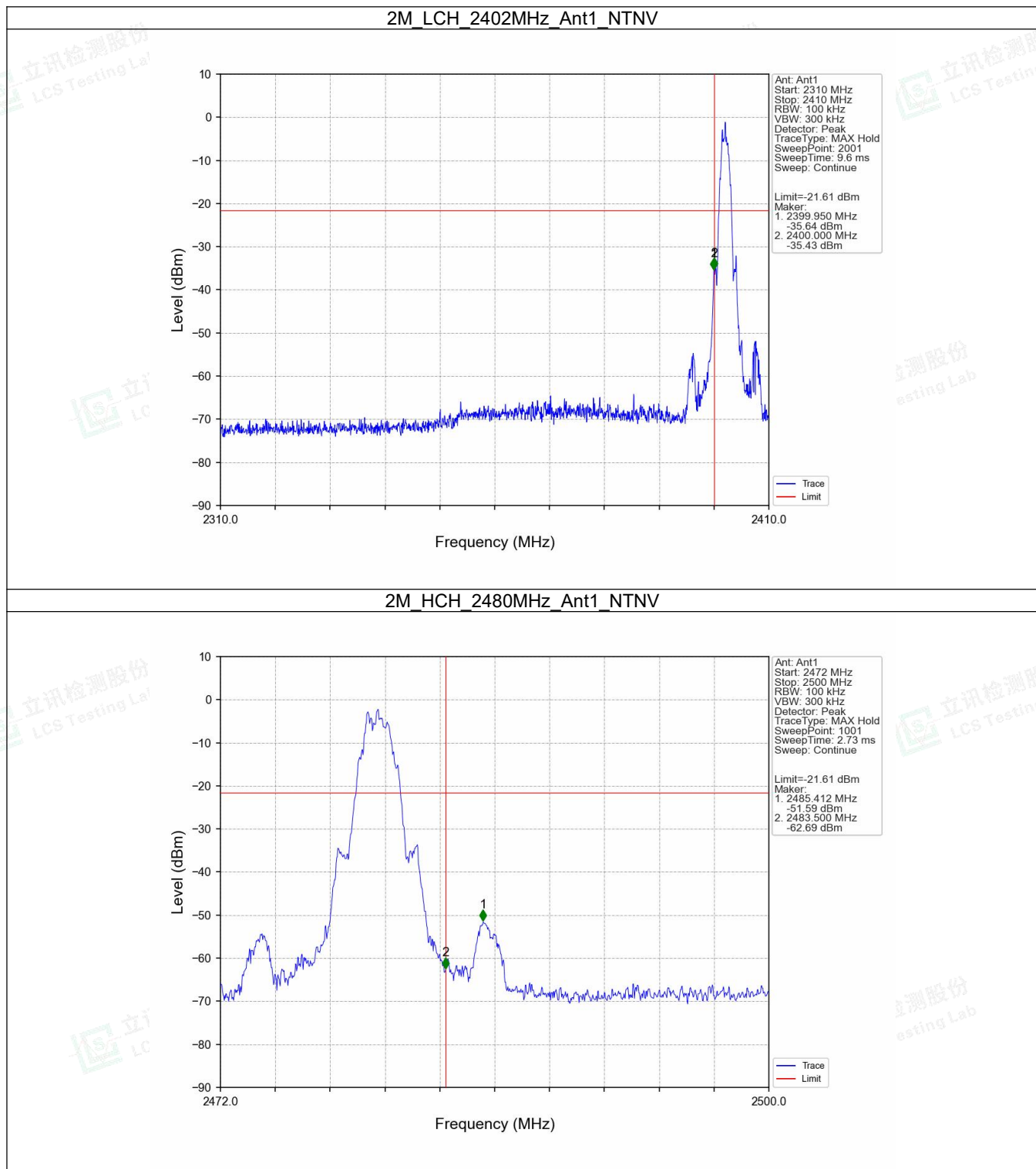
Ref







**Band Edge**



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A.5 Conducted RF Spurious Emission

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.65
		2440	1	-1.77
		2480	1	-1.94
2M	SISO	2402	1	-1.61
		2440	1	-1.69
		2480	1	-1.78

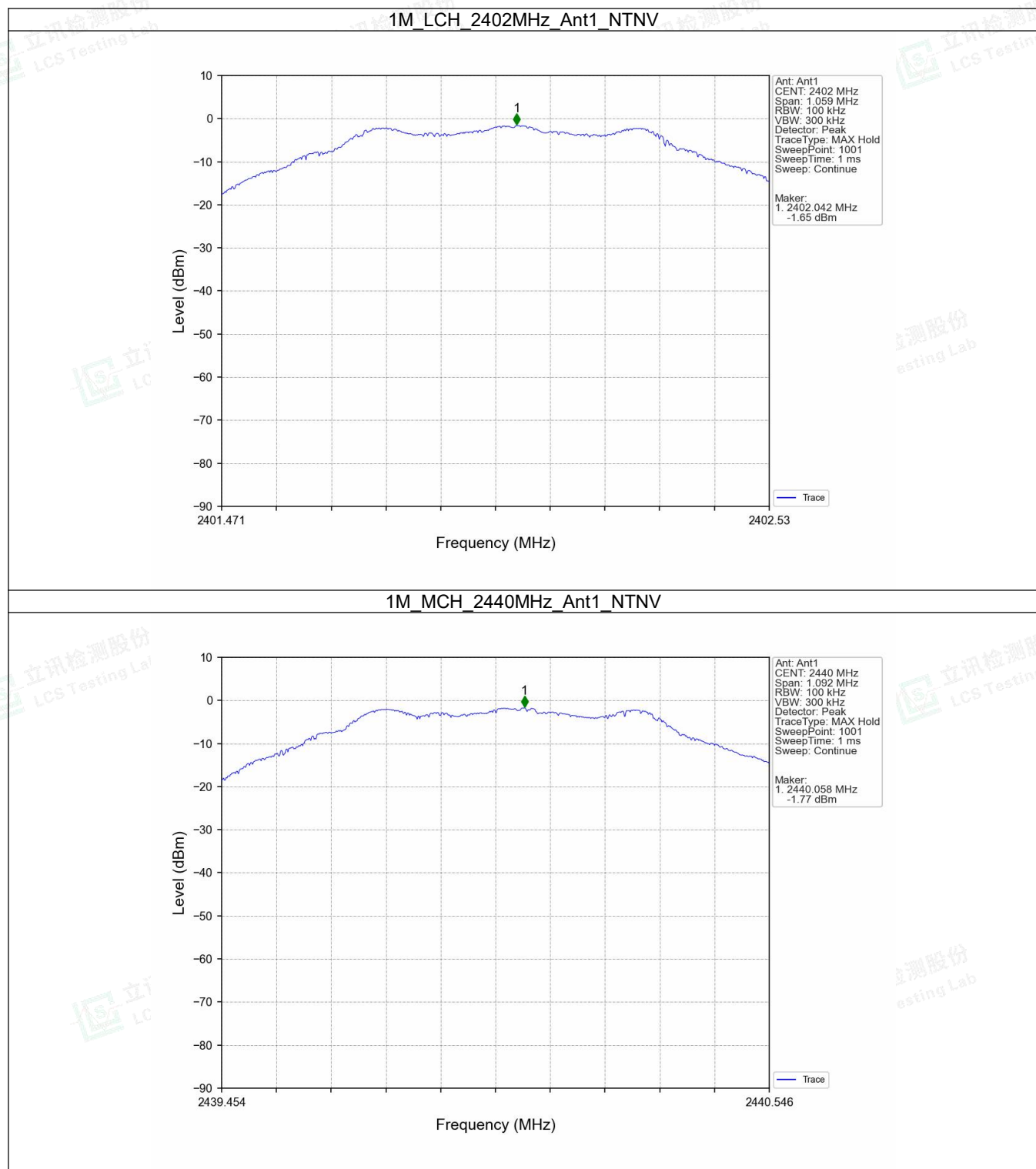
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

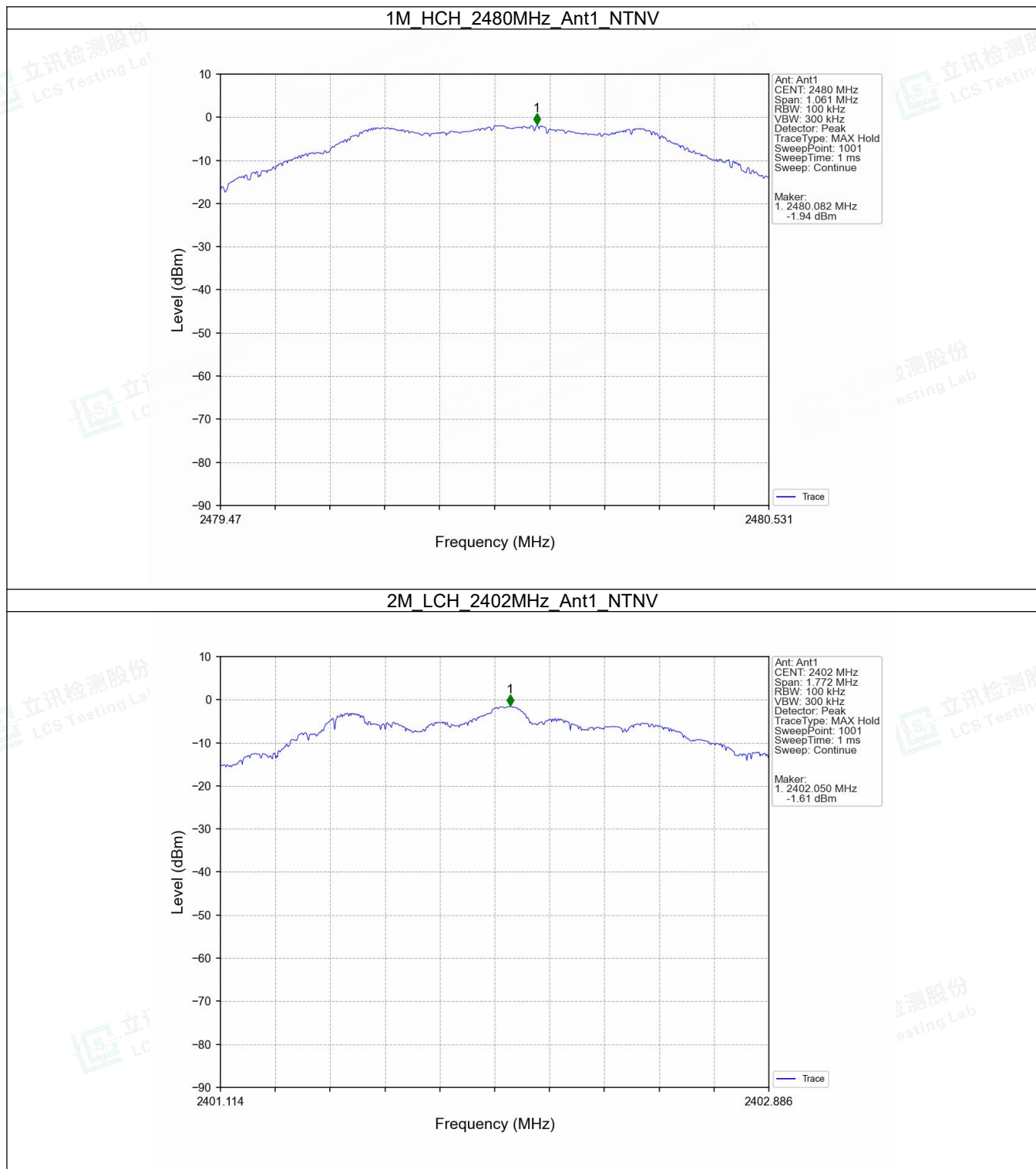


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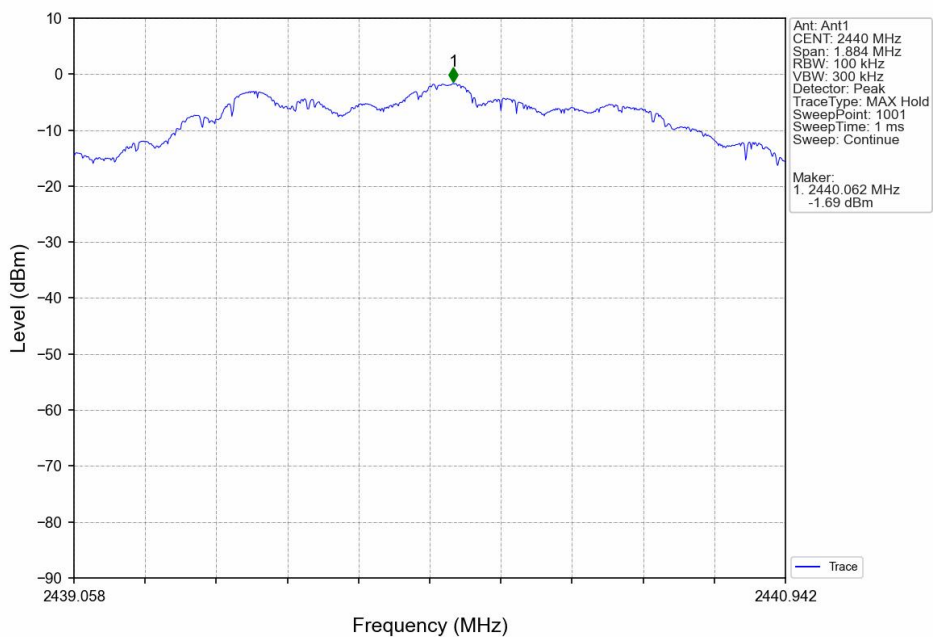
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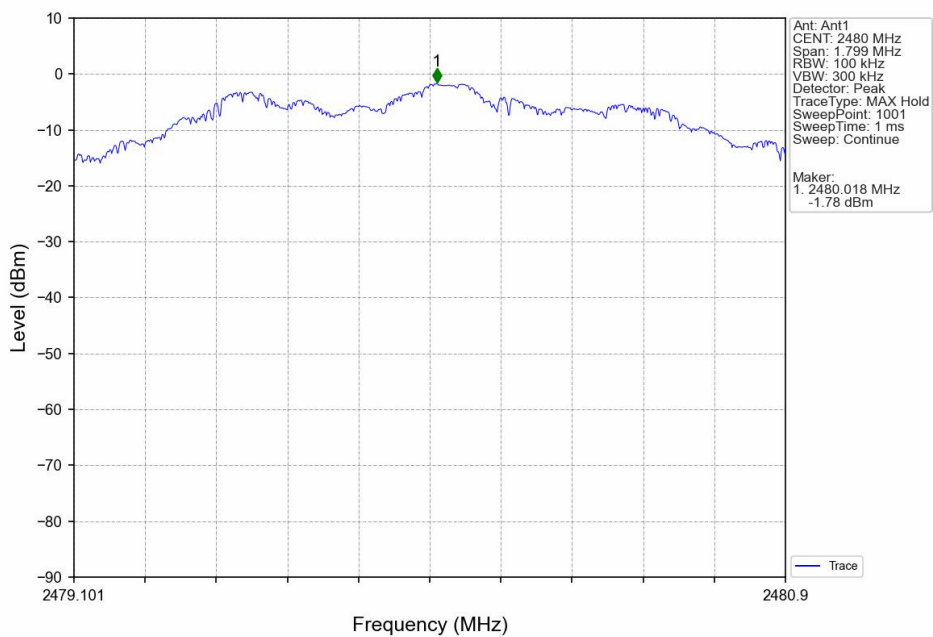




2M_MCH_2440MHz_Ant1_NTNV

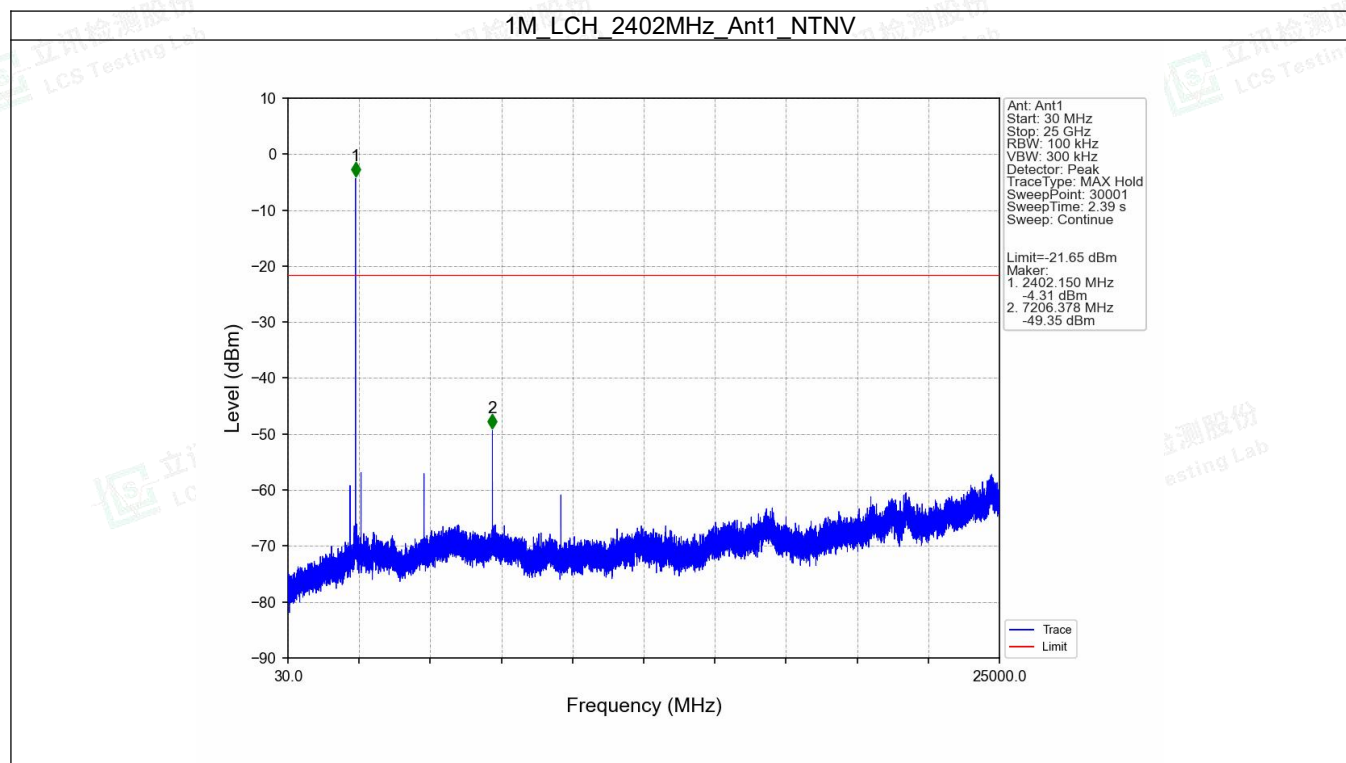


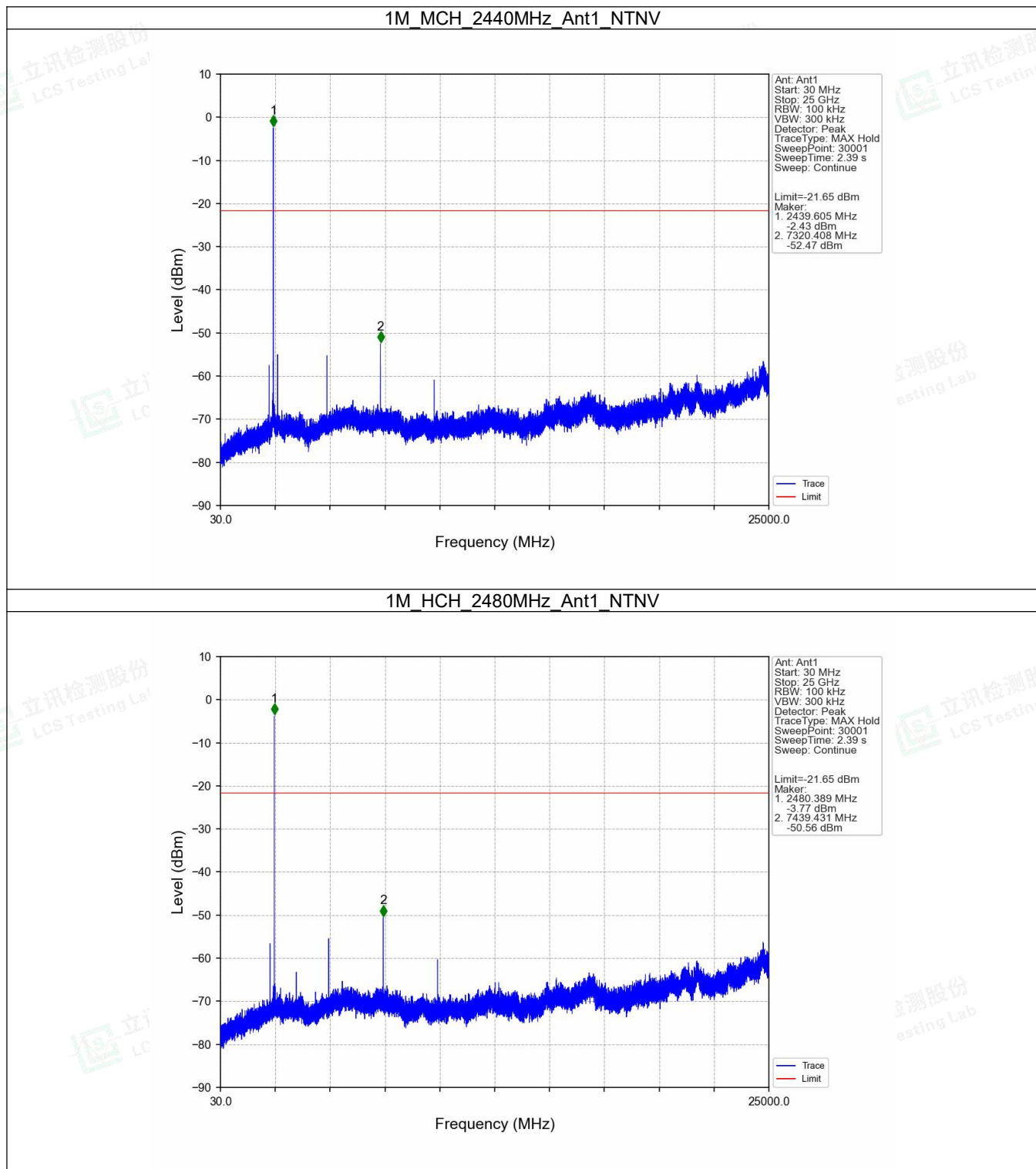
2M_HCH_2480MHz_Ant1_NTNV





CSE





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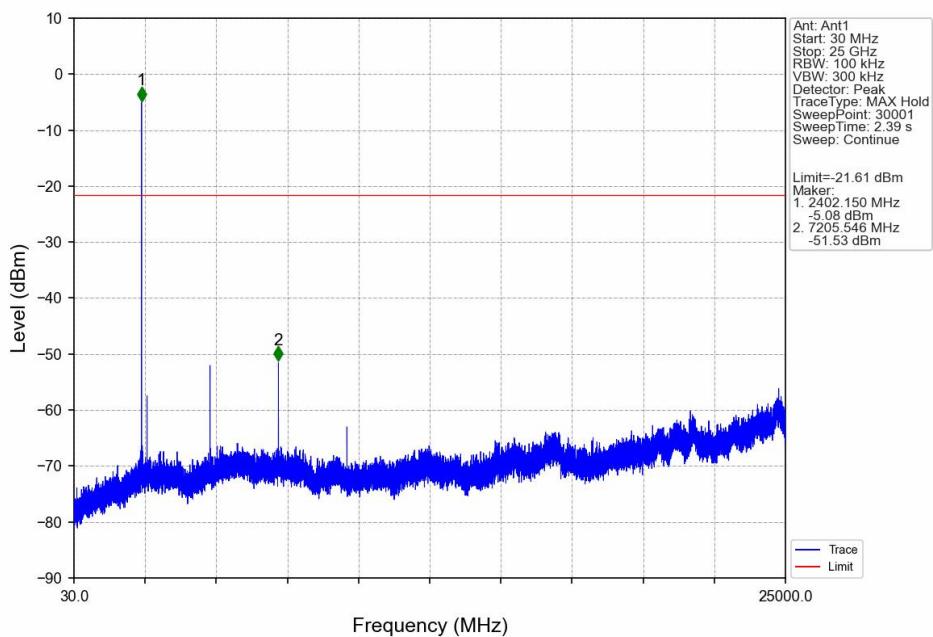
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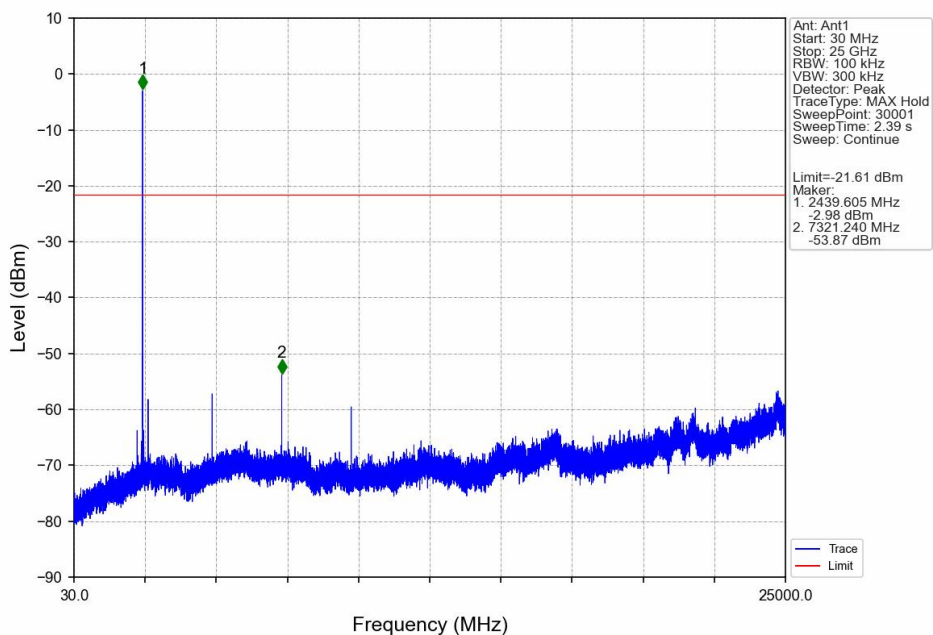
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2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV

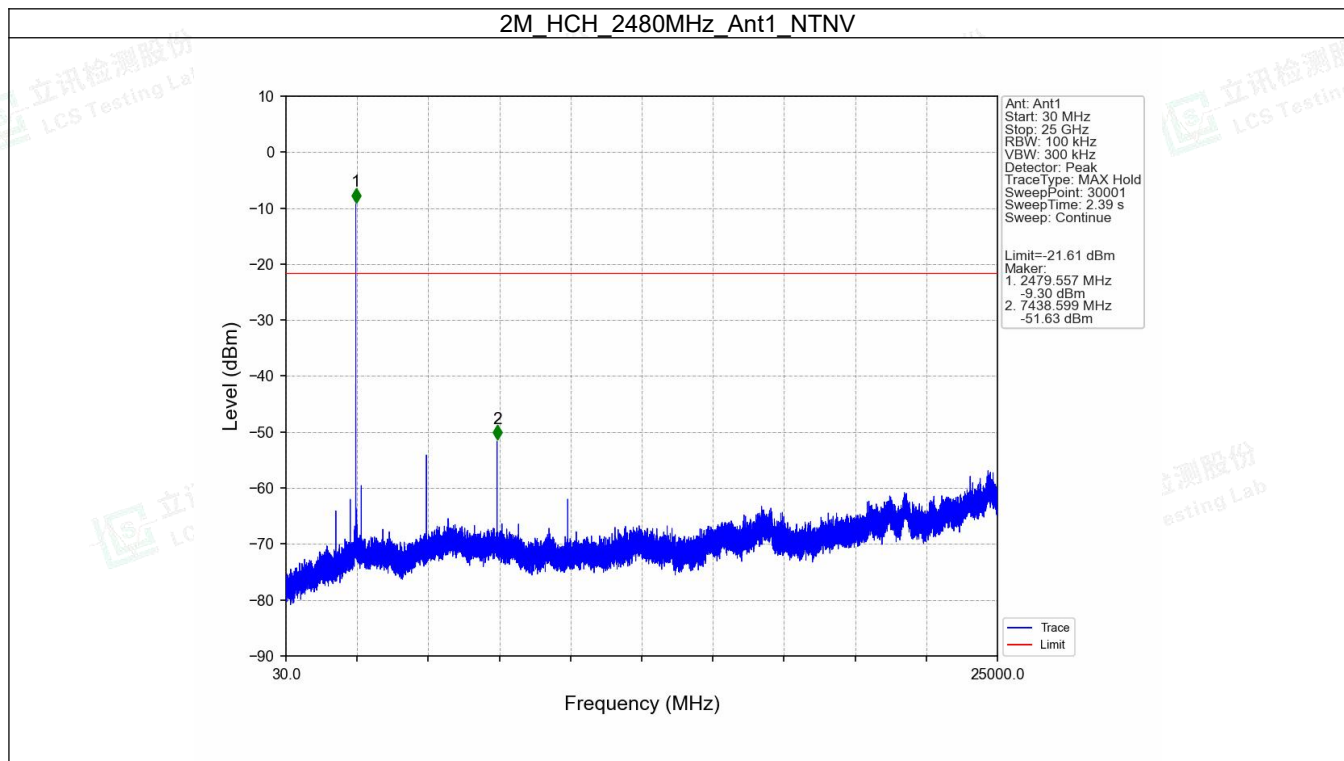


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A.6 Duty Cycle

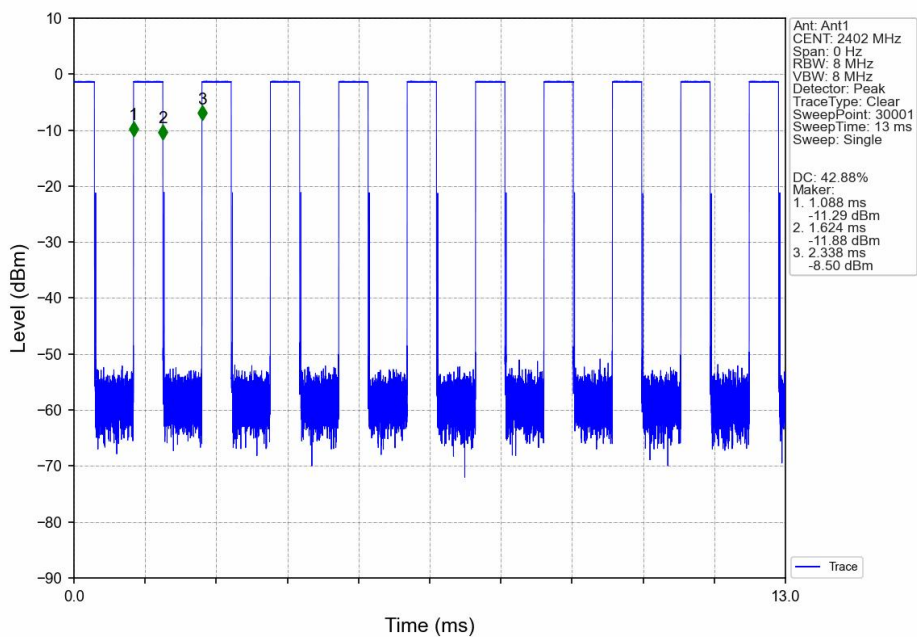
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.536	1.250	42.88	3.68	0.01
		2440	0.537	1.250	42.96	3.67	0.01
		2480	0.536	1.250	42.88	3.68	0.01
2M	SISO	2402	0.281	1.250	22.48	6.48	0.03
		2440	0.281	1.250	22.48	6.48	0.03
		2480	0.281	1.250	22.48	6.48	0.03



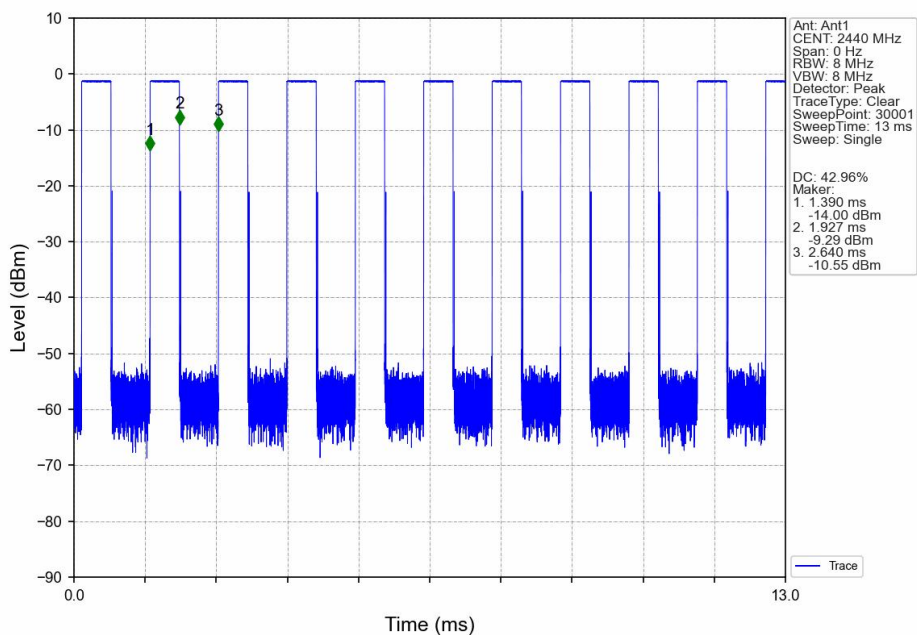
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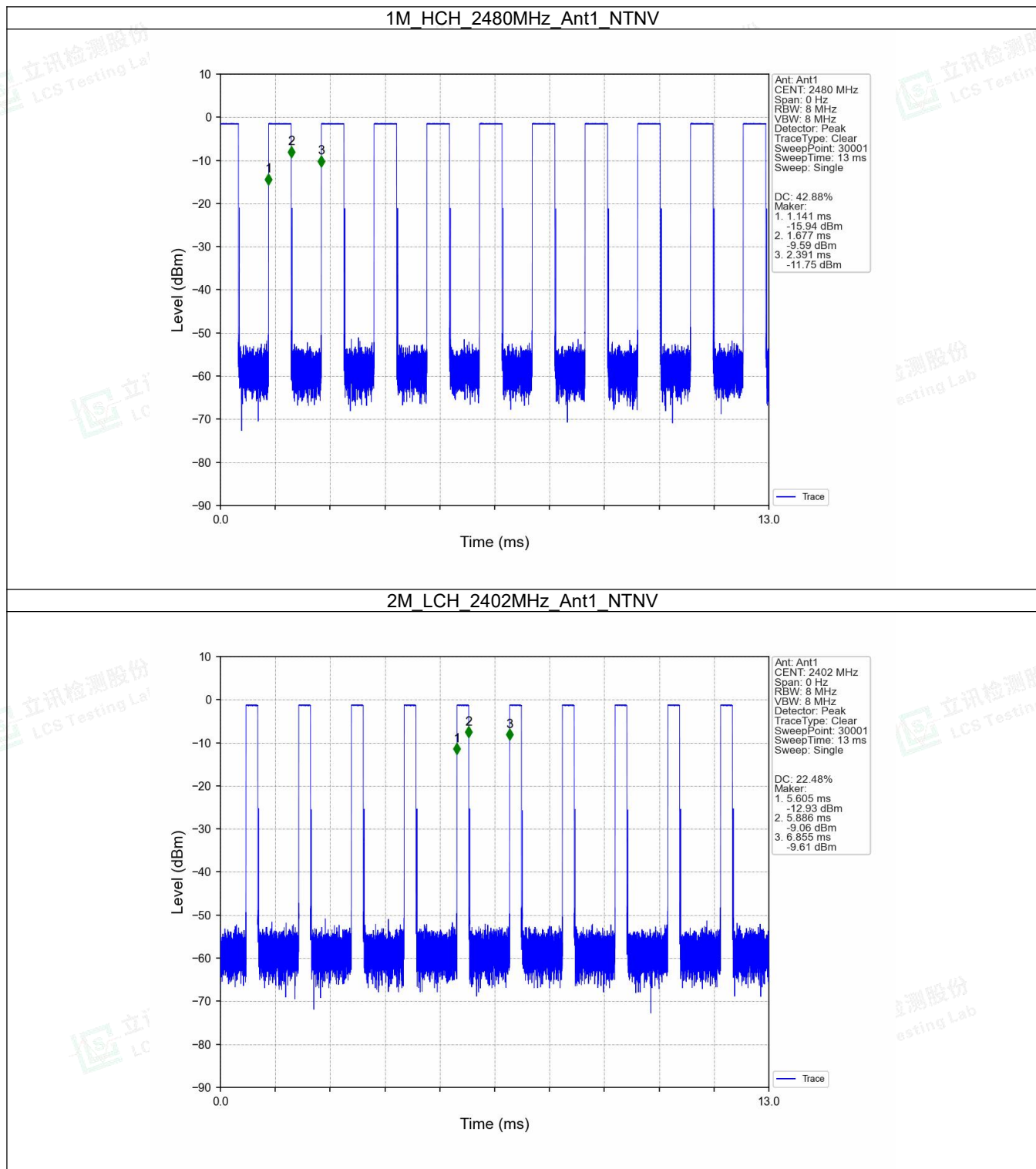


1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV



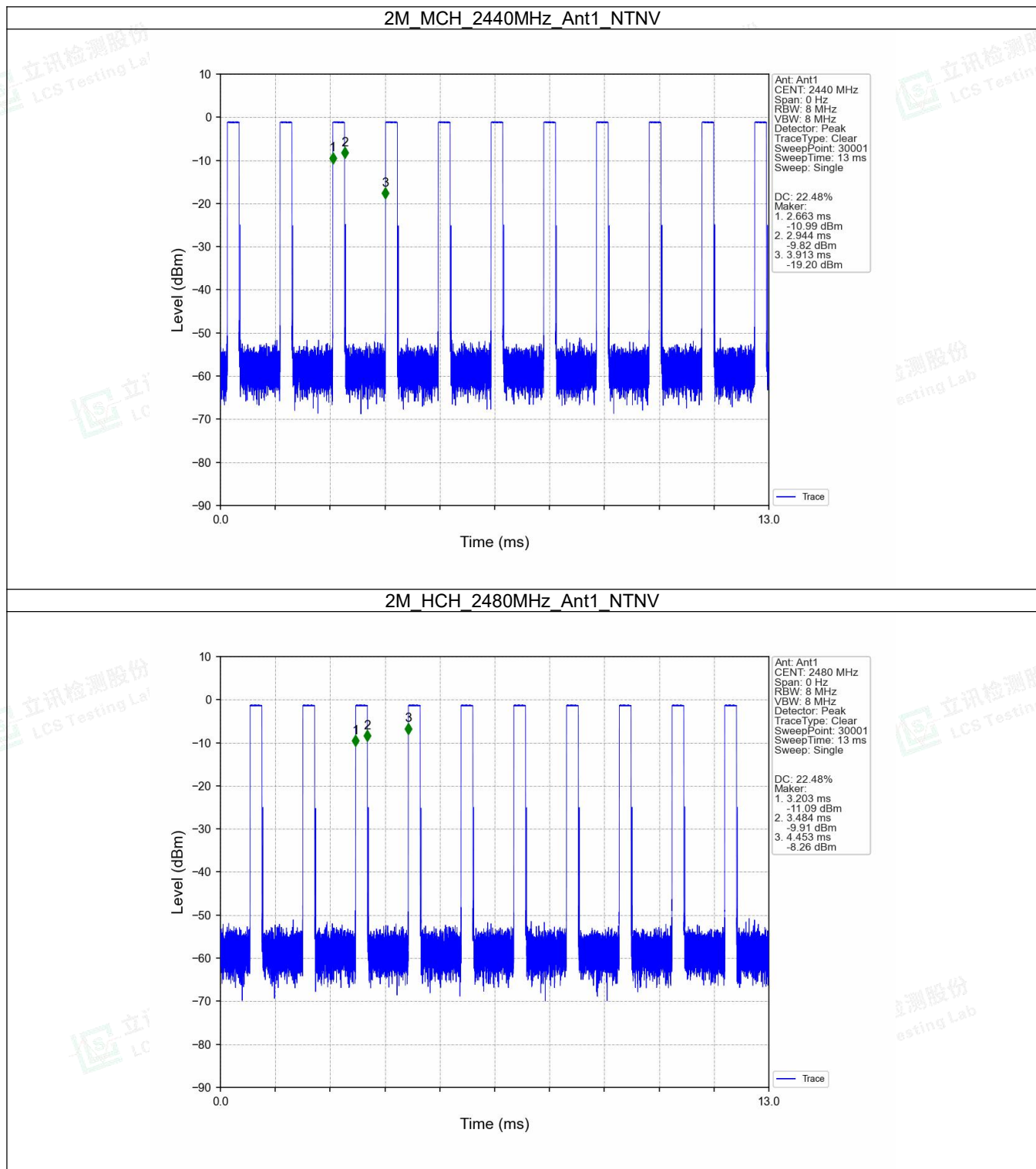


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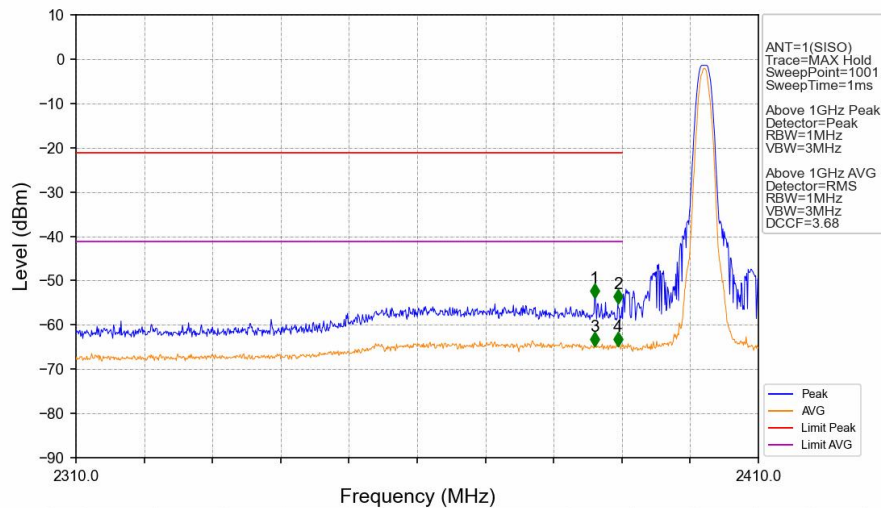
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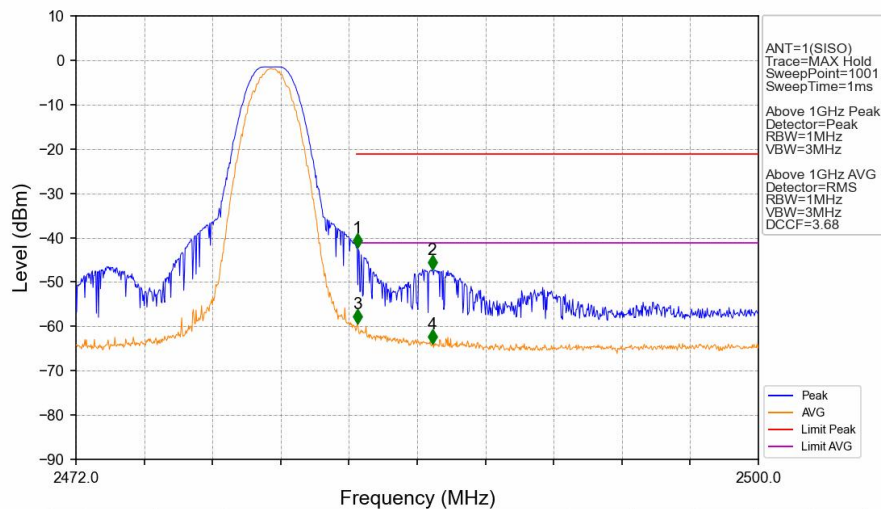


A.7 Restrict Band

1M_LCH_2402MHz_Ant1_NTNV

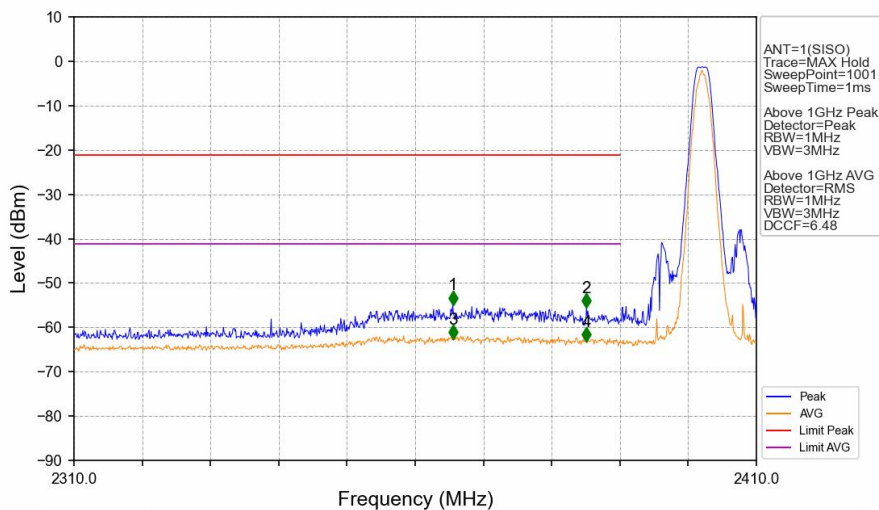


1M_HCH_2480MHz_Ant1_NTNV



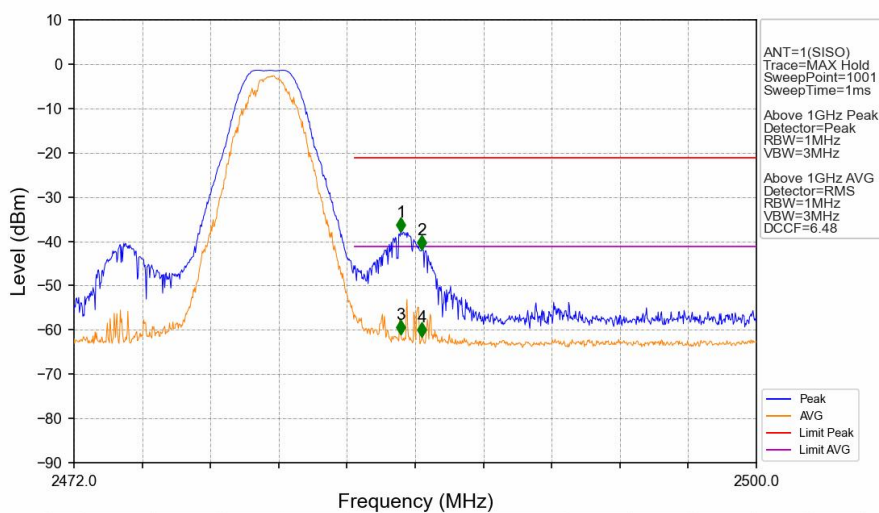


2M_LCH_2402MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2365.500	-54.89	-21.20	33.69	Pass	Peak	3	2365.500	-62.66	-41.20	21.46	Pass	AVG
2	2385.100	-55.56	-21.20	34.36	Pass	Peak	4	2385.100	-63.20	-41.20	22.00	Pass	AVG

2M_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	2485.412	-37.83	-21.20	16.63	Pass	Peak	3	2485.412	-61.00	-41.20	19.80	Pass	AVG
2	2486.280	-41.94	-21.20	20.74	Pass	Peak	4	2486.280	-61.55	-41.20	20.35	Pass	AVG



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