



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Strip light

Test Model: TIF0213124G-JA13

Environmental Conditions

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

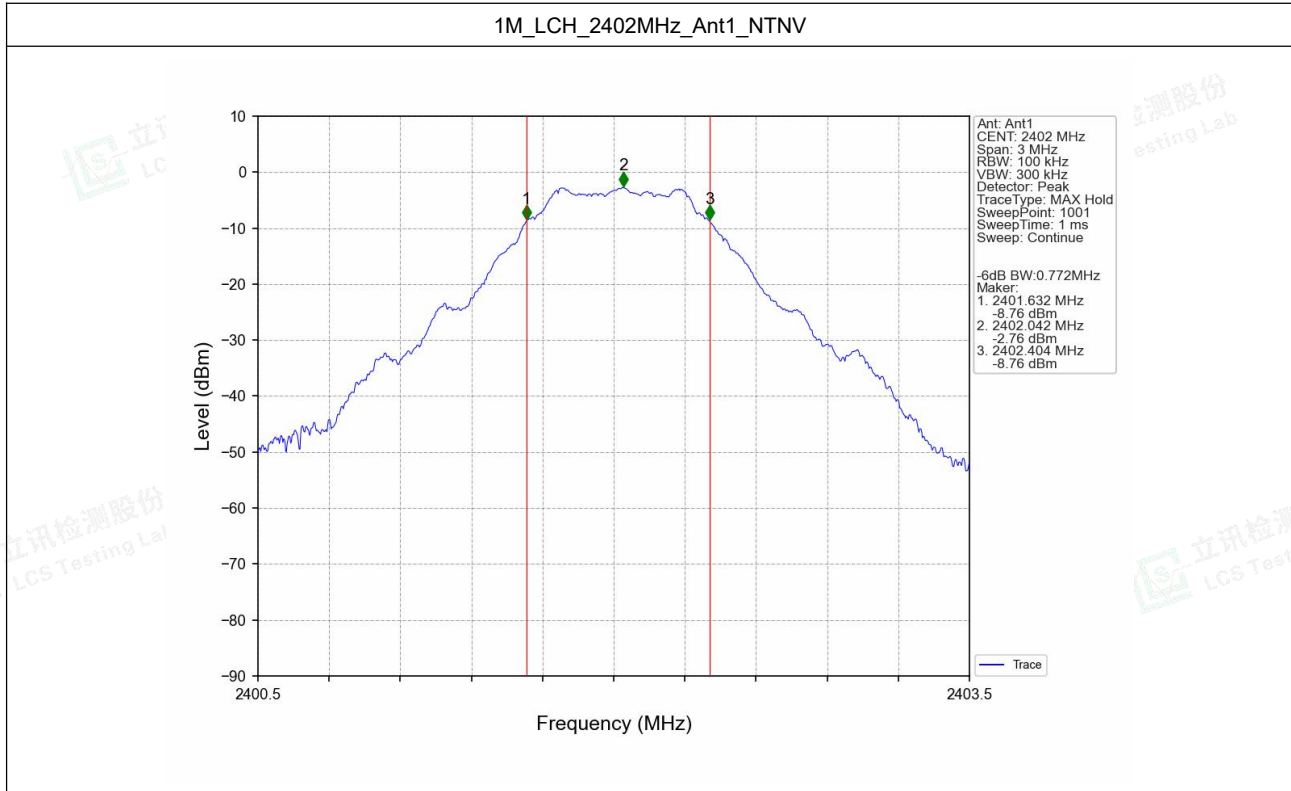


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Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



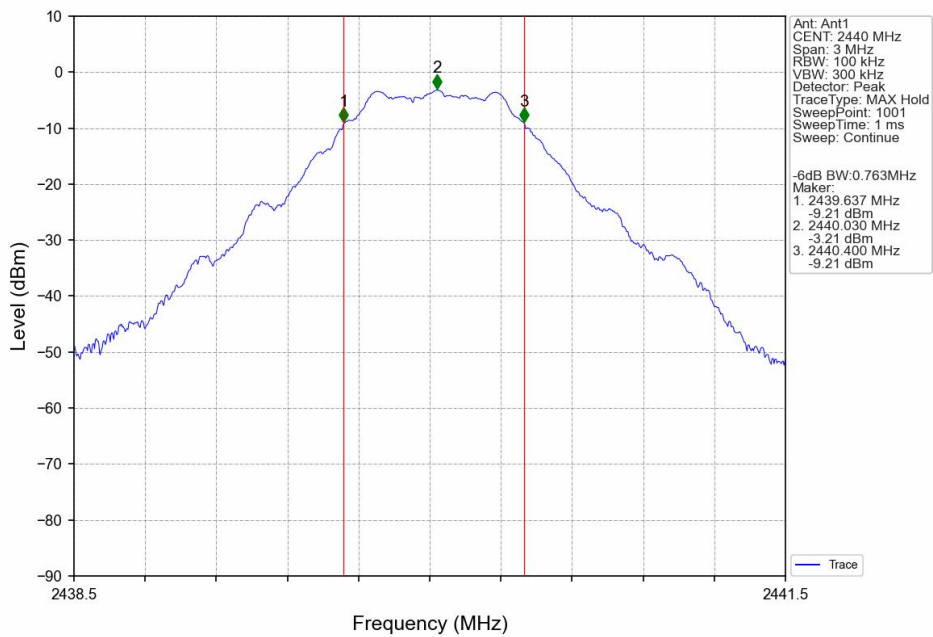
A.1 -6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.772	≥ 0.5	Pass
		2440	1	0.763	≥ 0.5	Pass
		2480	1	0.734	≥ 0.5	Pass

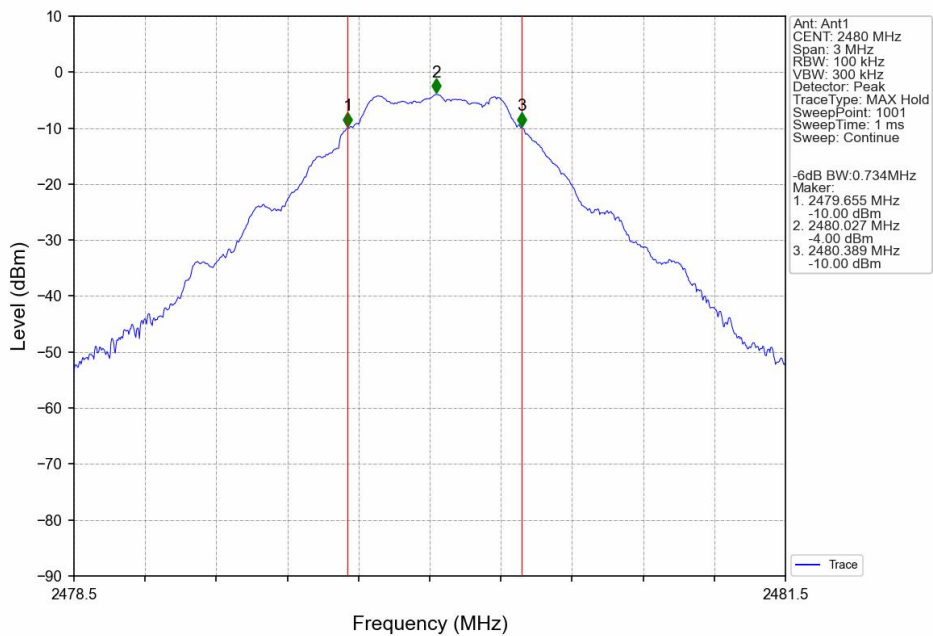




1M_MCH_2440MHz_Ant1_NTNV



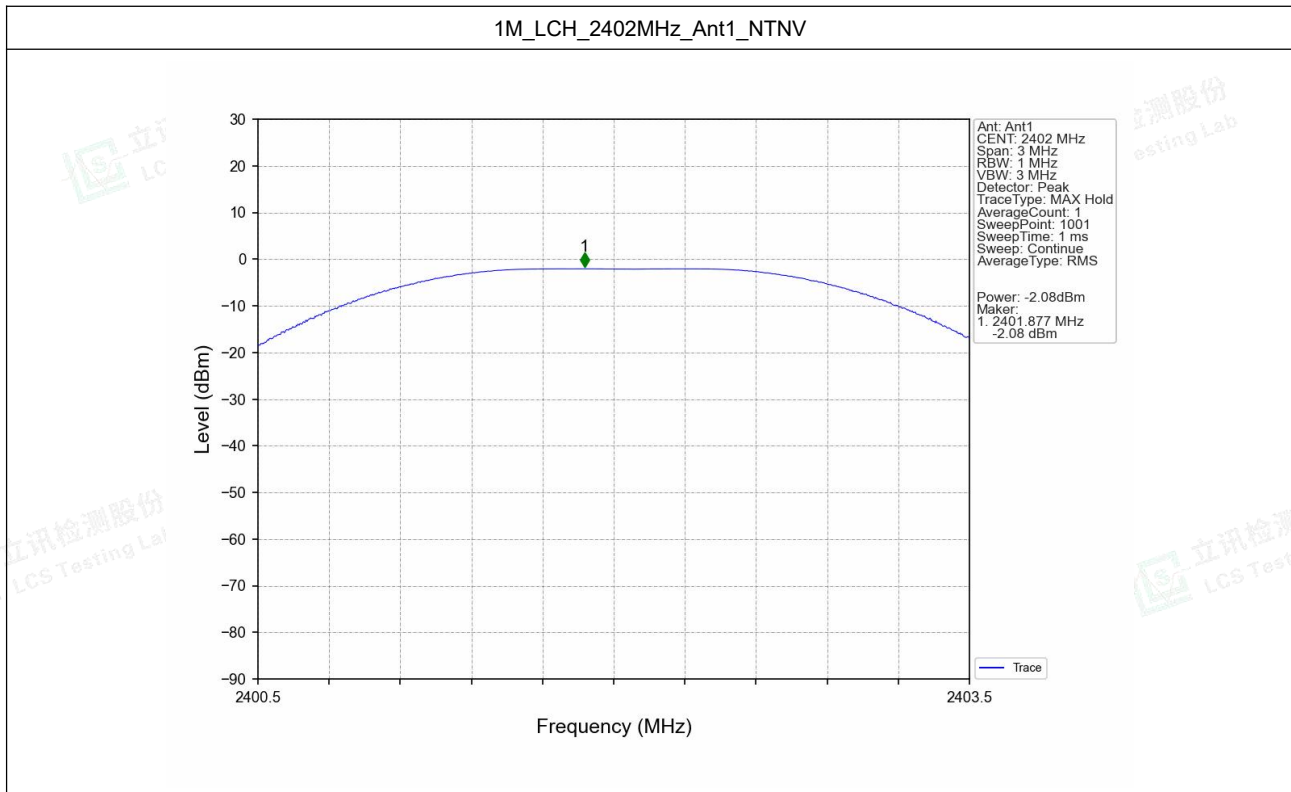
1M_HCH_2480MHz_Ant1_NTNV





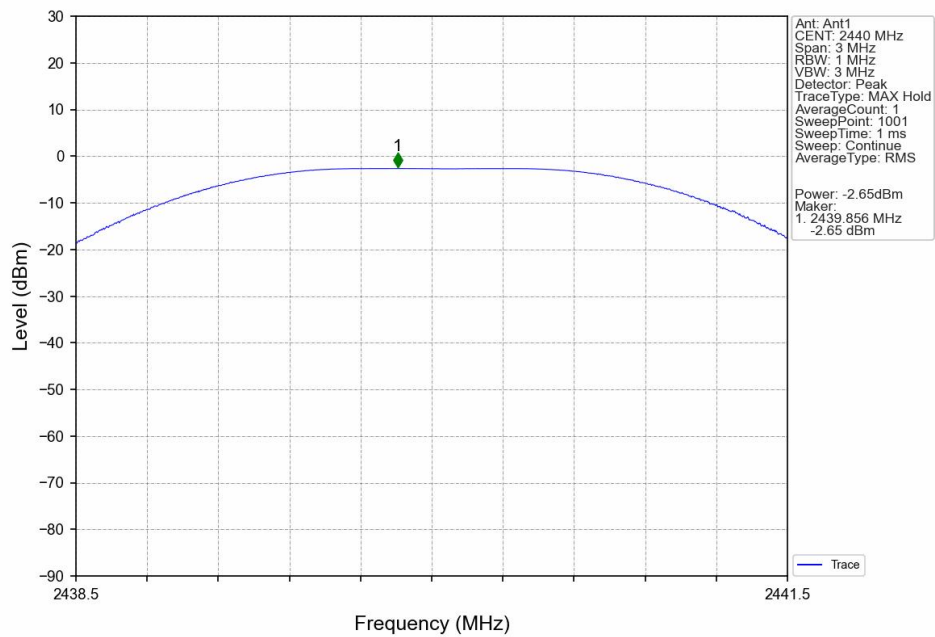
A.2 Maximum Peak Conducted Output Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-2.08	<=30	Pass
		2440	-2.65	<=30	Pass
		2480	-3.44	<=30	Pass

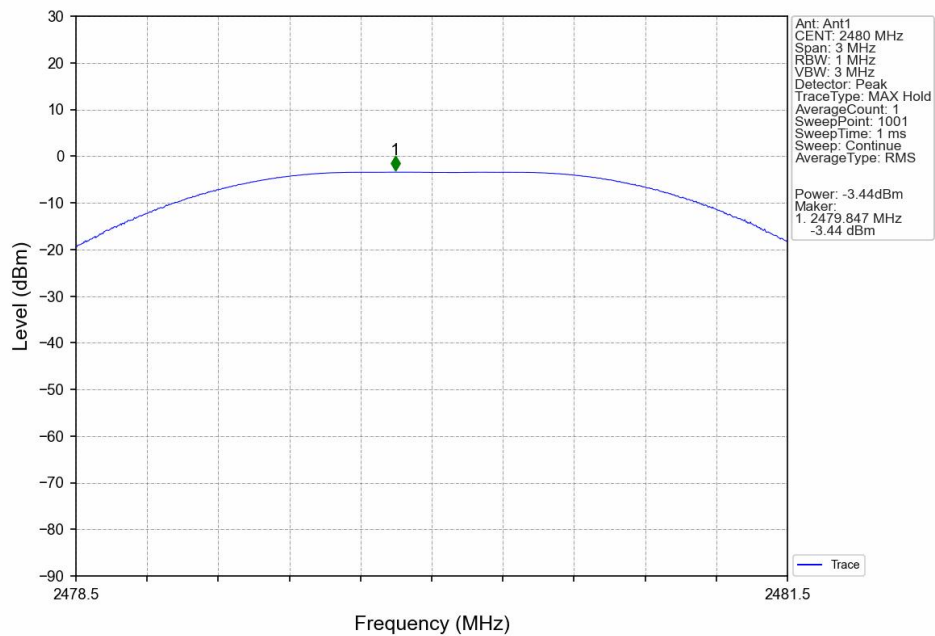




1M_MCH_2440MHz_Ant1_NTNV



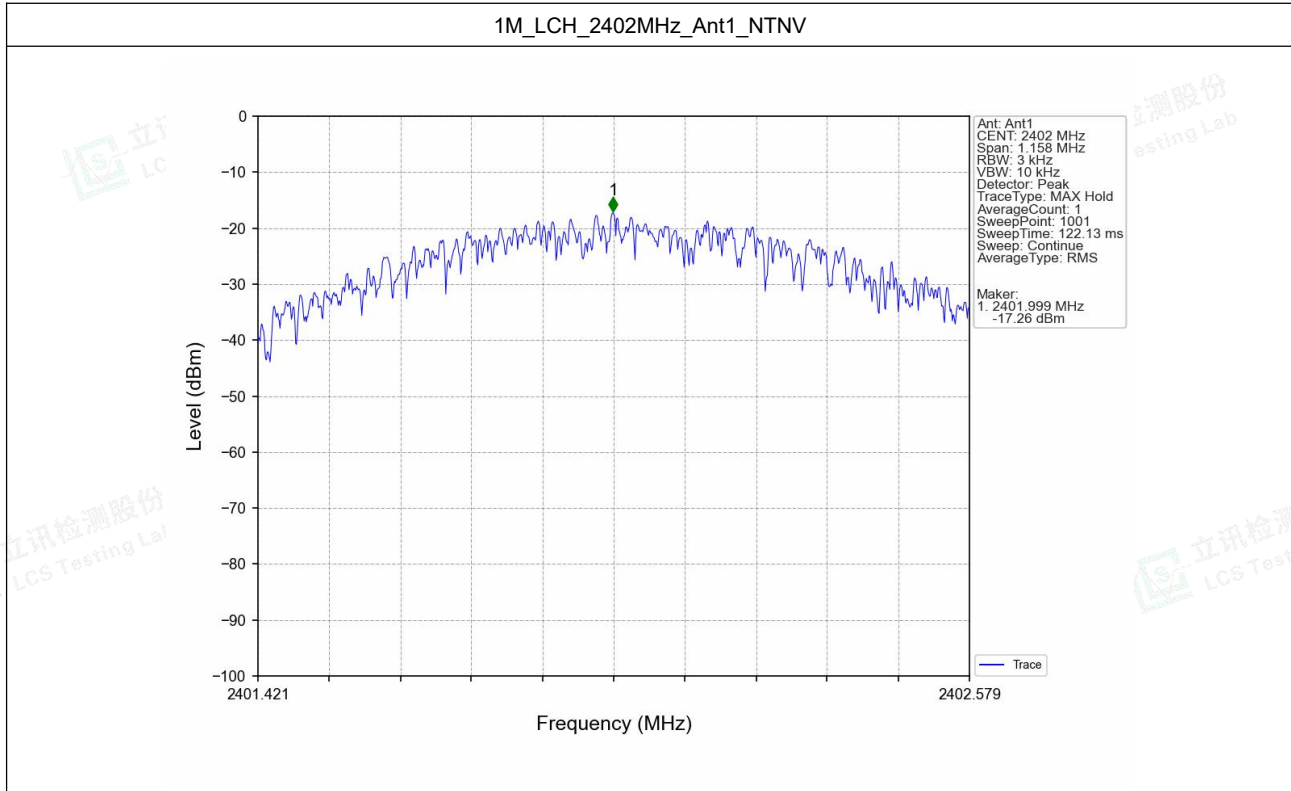
1M_HCH_2480MHz_Ant1_NTNV





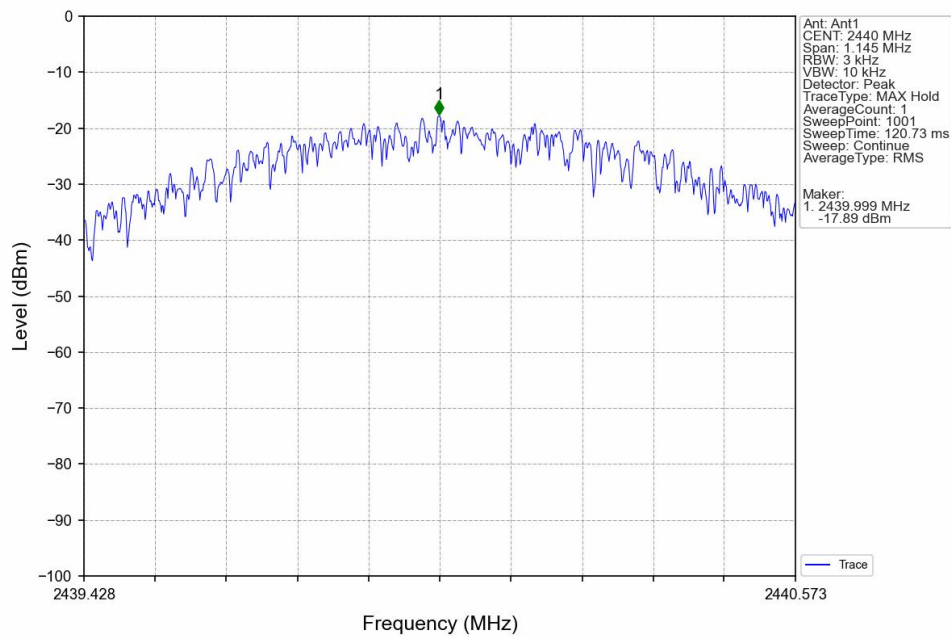
A.3 Maximum Power Spectral Density Level

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.26	≤ 8	Pass
		2440	-17.89	≤ 8	Pass
		2480	-18.97	≤ 8	Pass

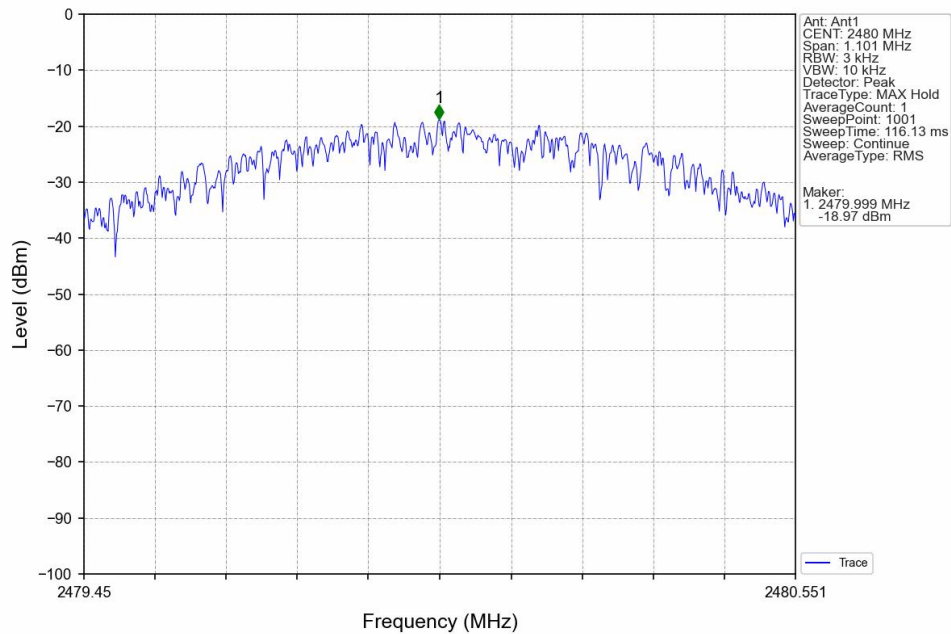




1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

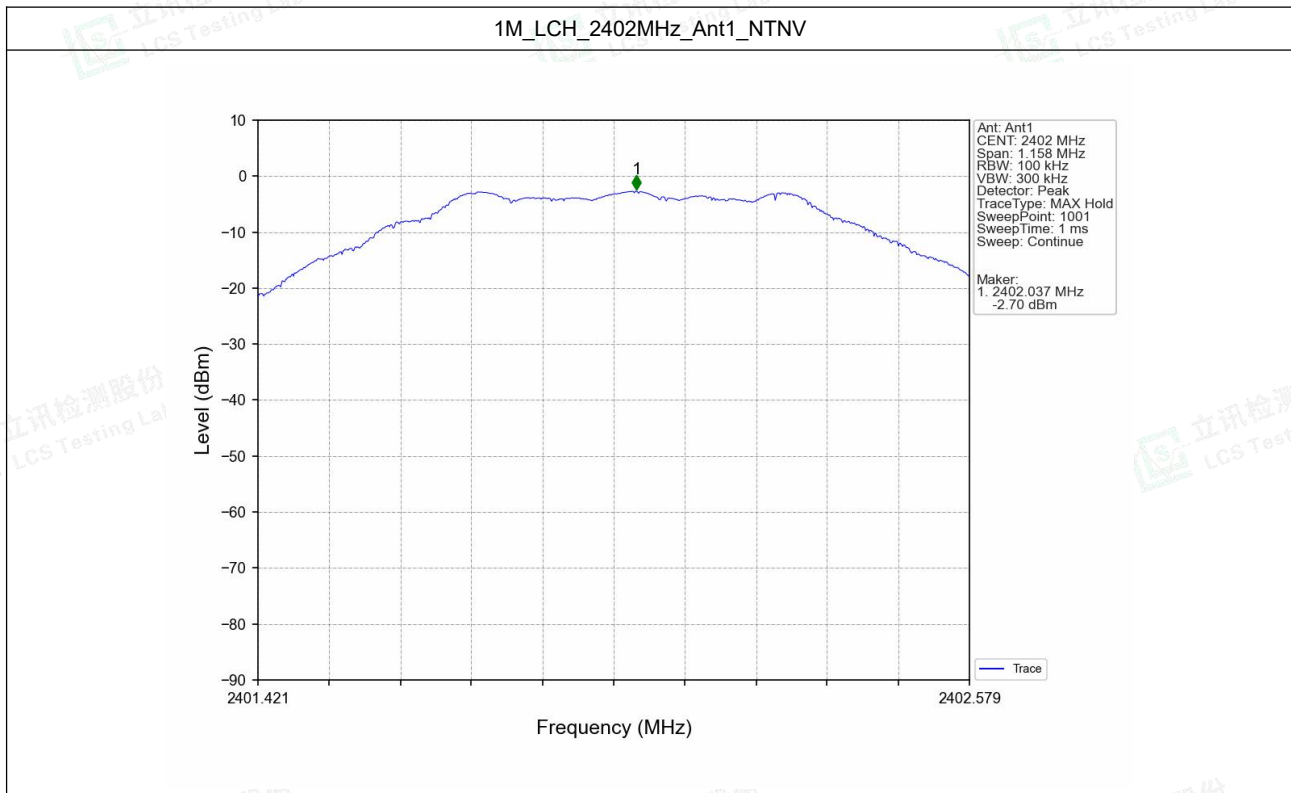




A.4 Band Edge

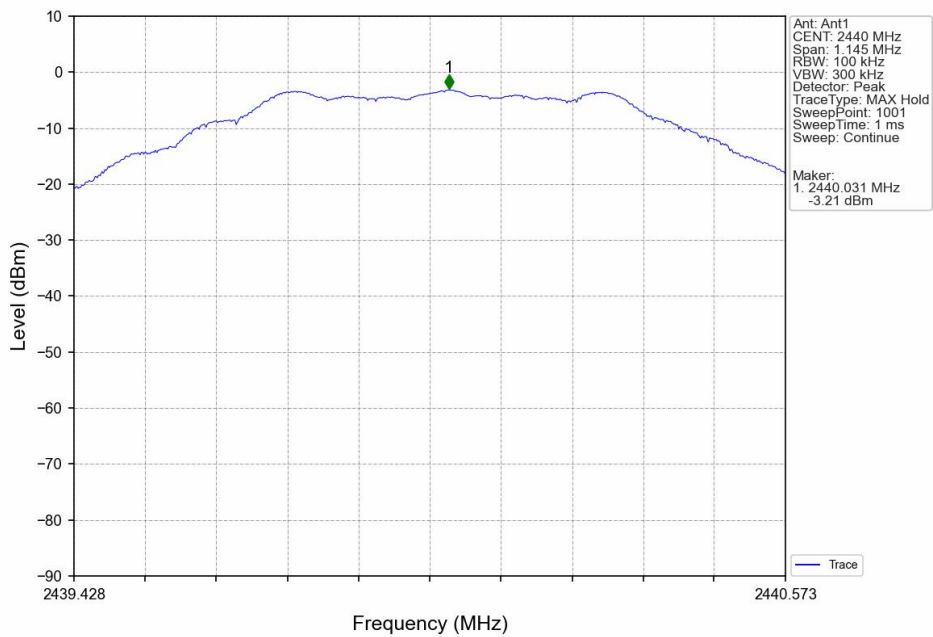
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-2.70	-22.70	Pass
		2440	1	-2.70	-22.70	Pass
		2480	1	-2.70	-22.70	Pass

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.

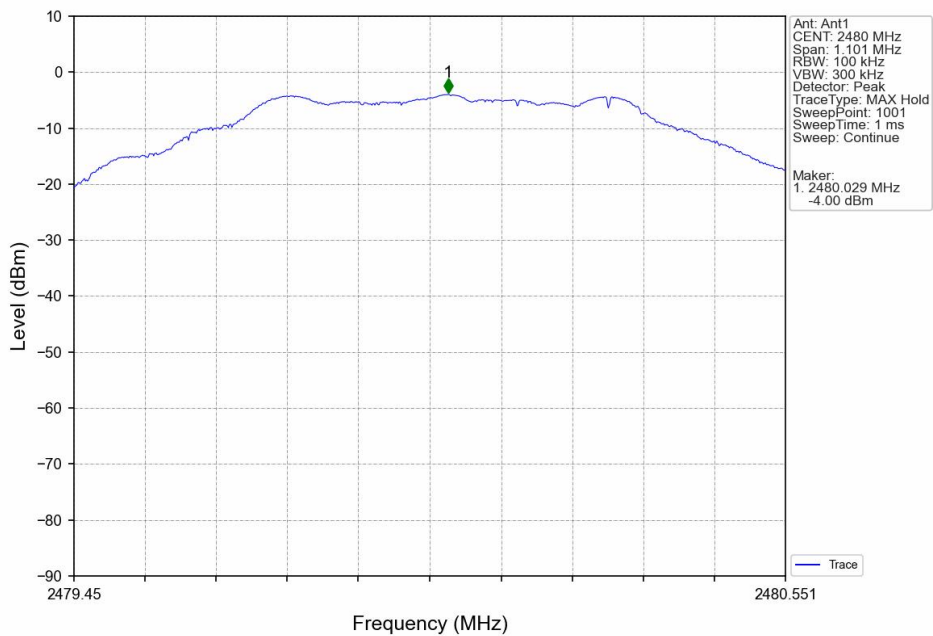




1M_MCH_2440MHz_Ant1_NTNV

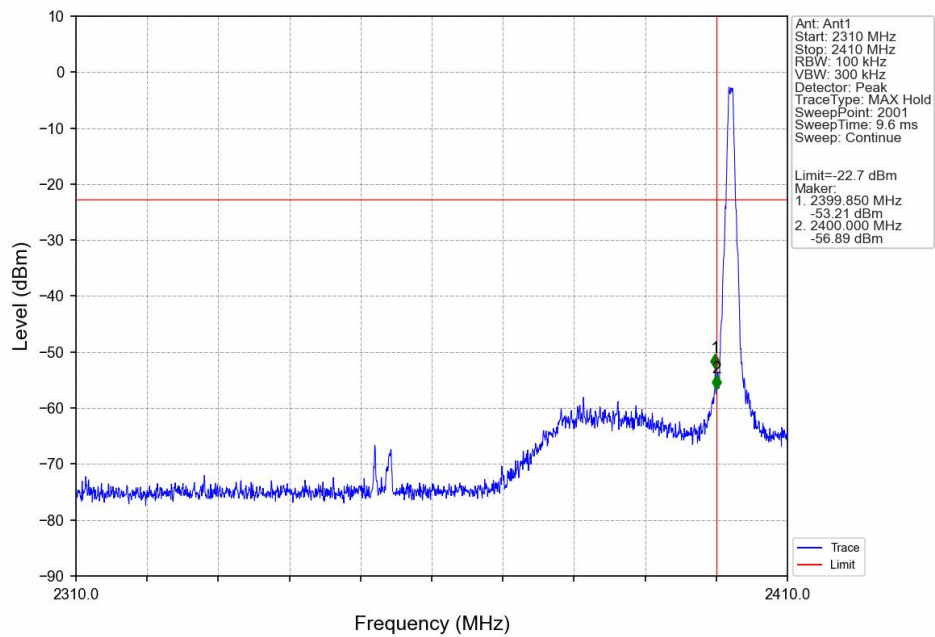


1M_HCH_2480MHz_Ant1_NTNV

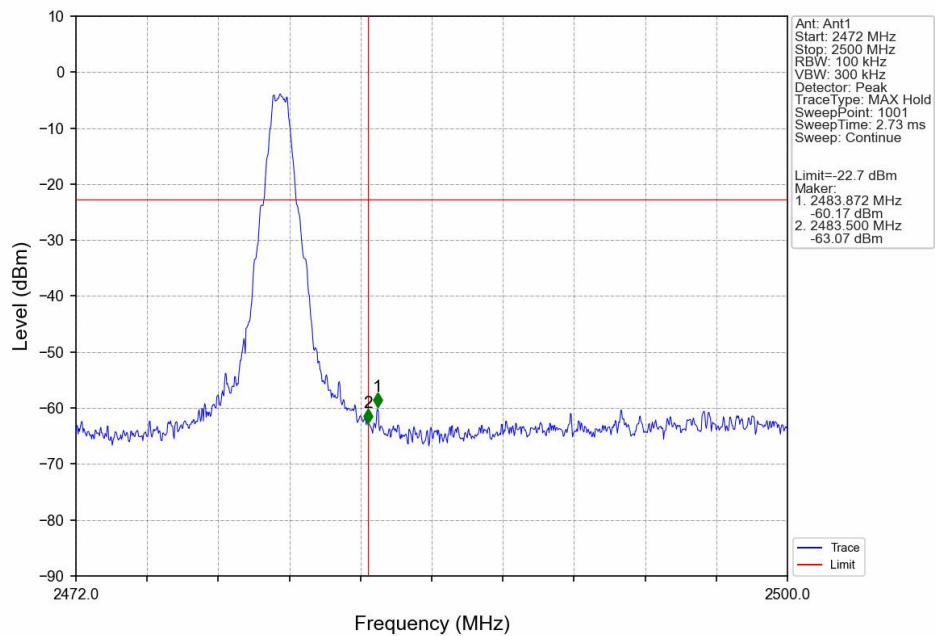




1M_LCH_2402MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

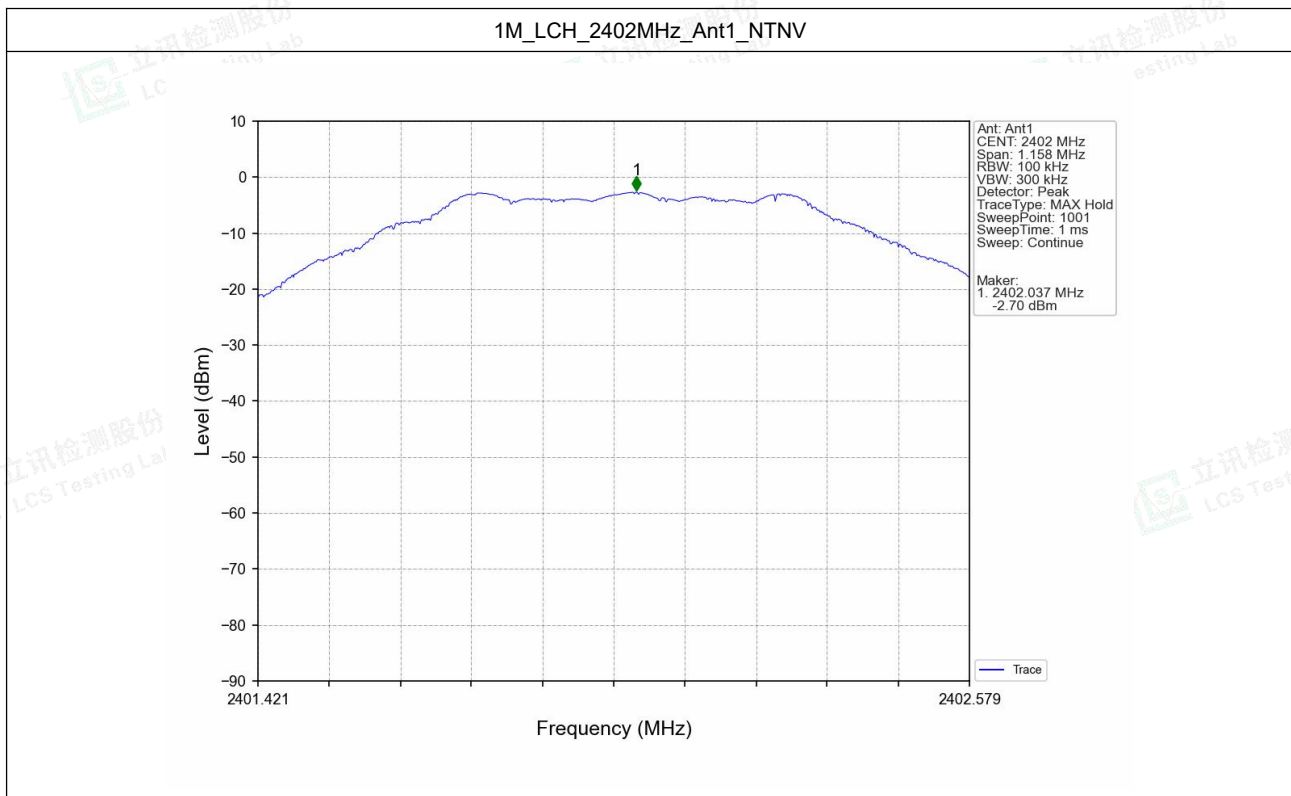




A.5 Conducted RF Spurious Emission

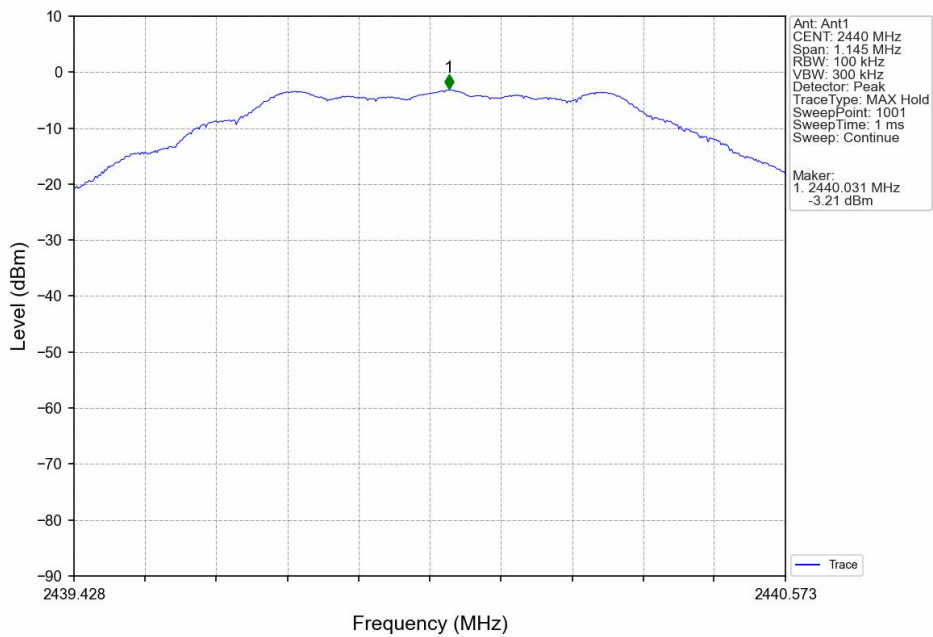
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-2.70
		2440	1	-3.21
		2480	1	-4.00

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.

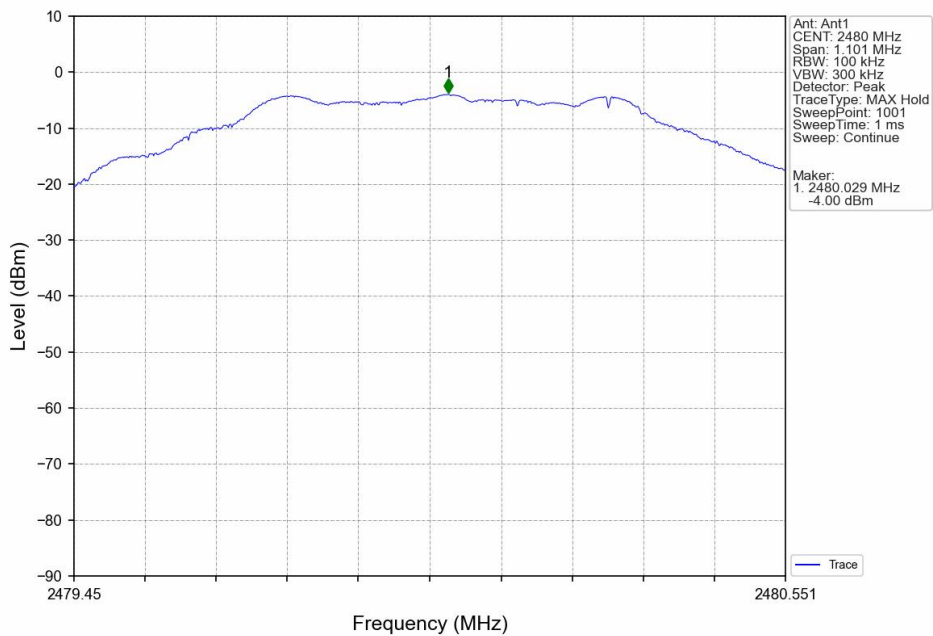




1M_MCH_2440MHz_Ant1_NTNV

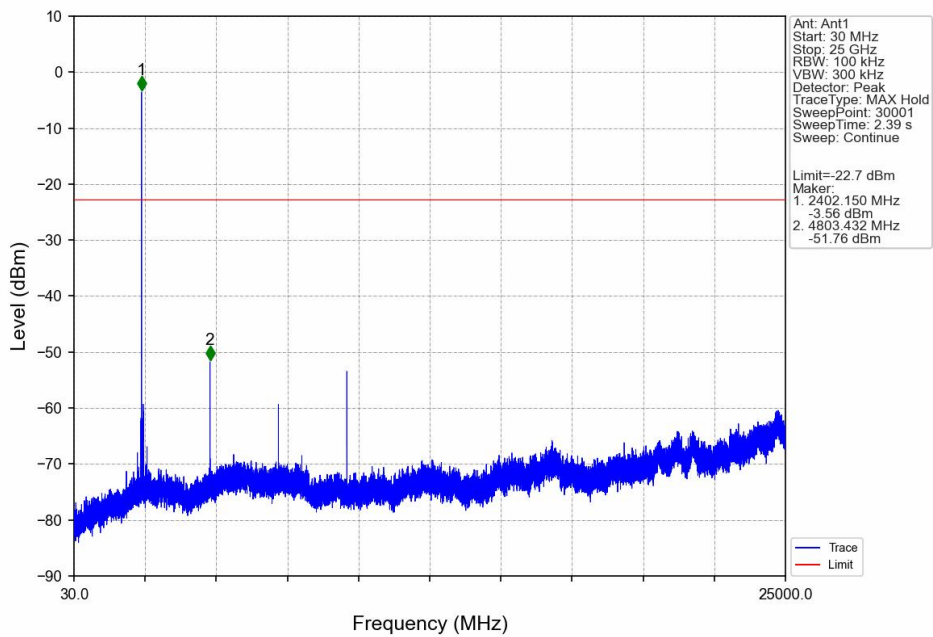


1M_HCH_2480MHz_Ant1_NTNV

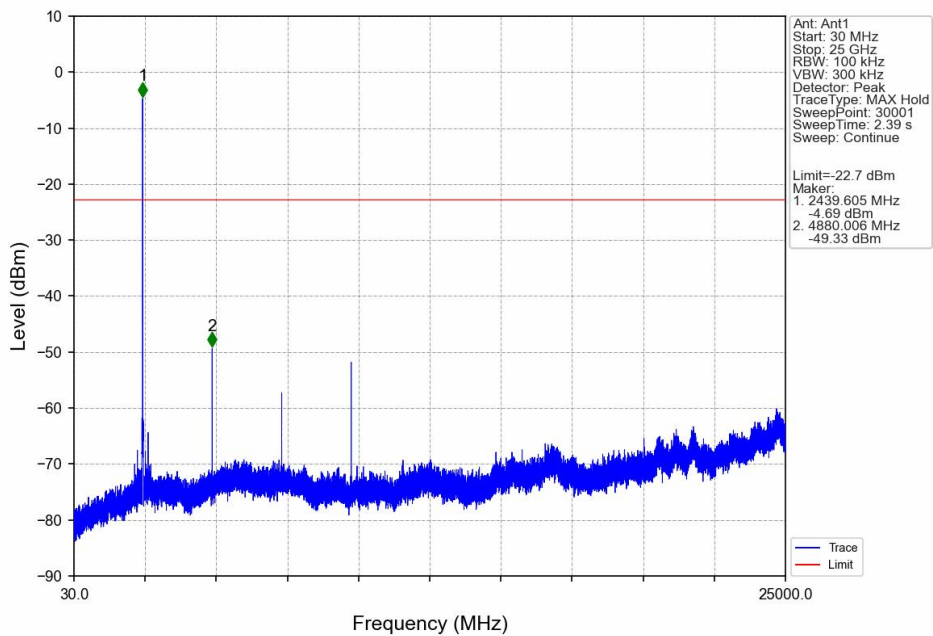


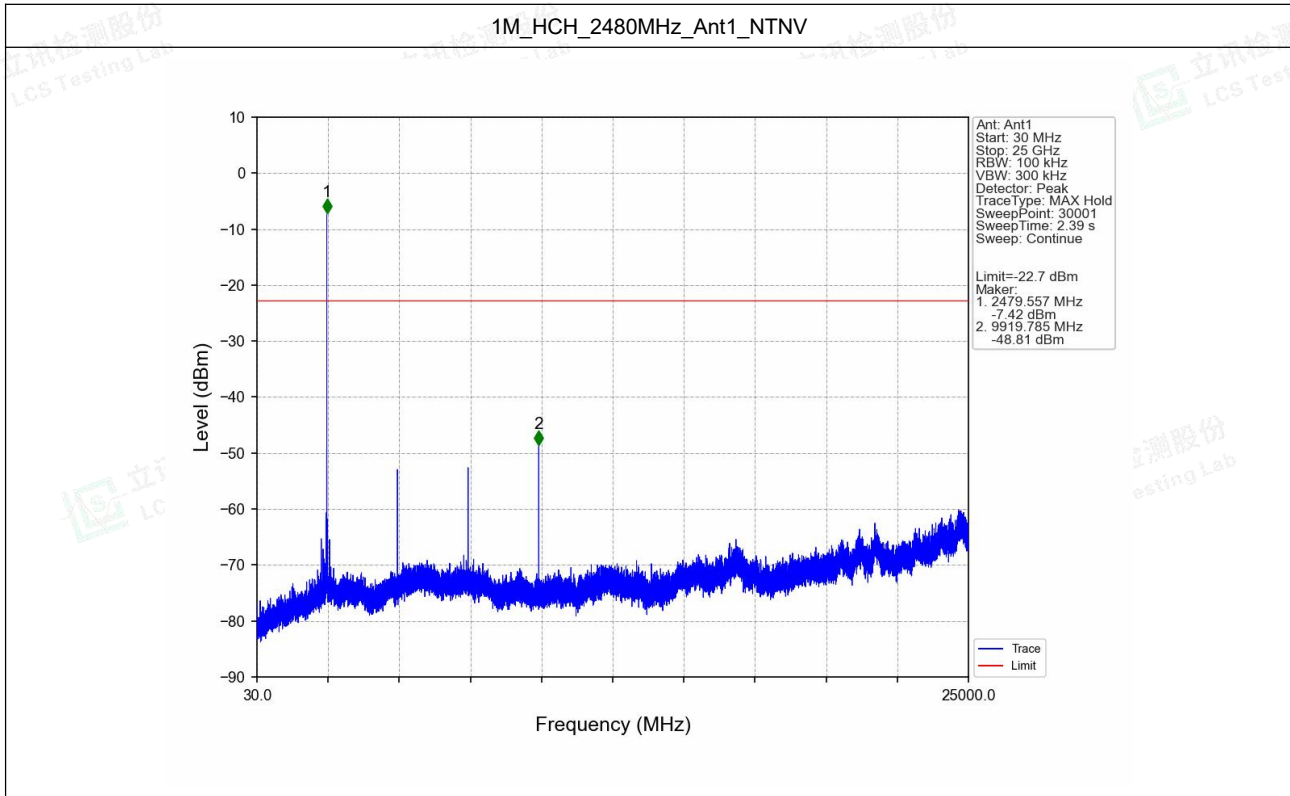


1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV

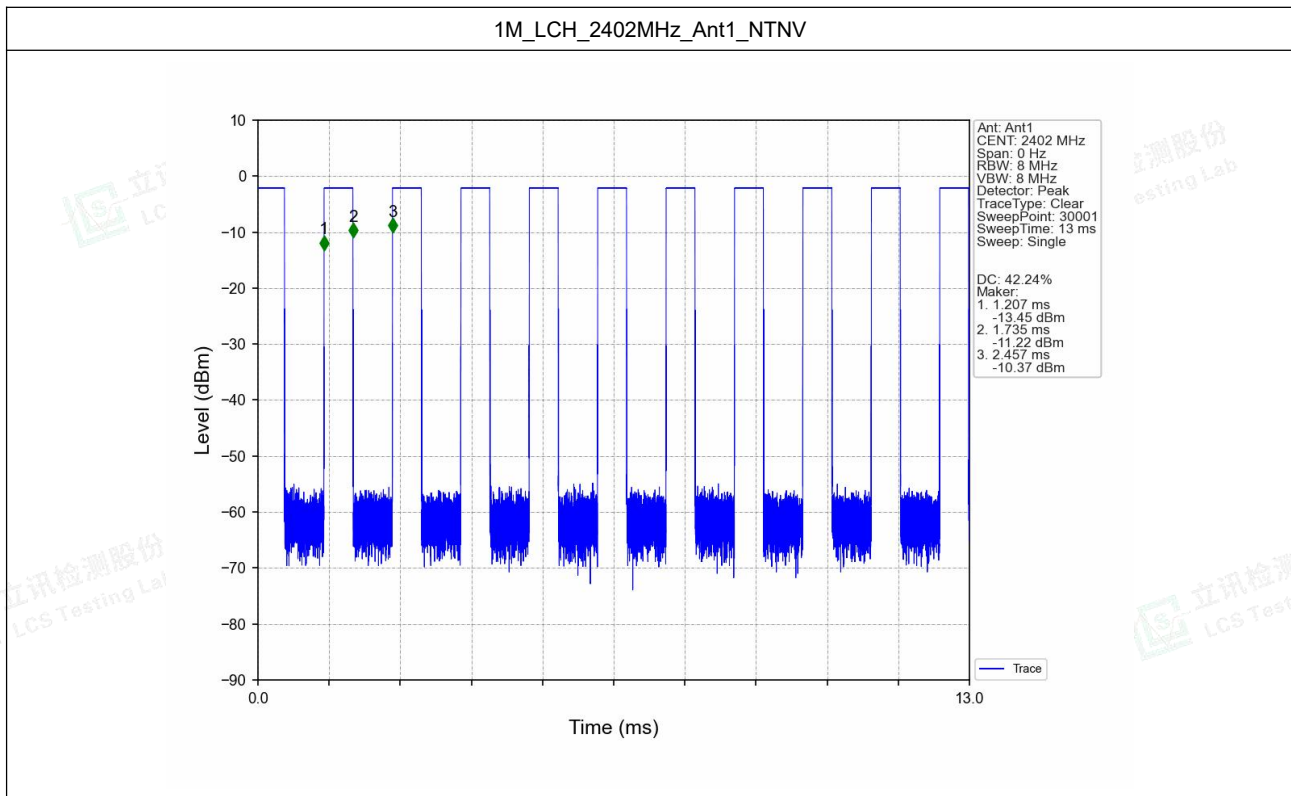






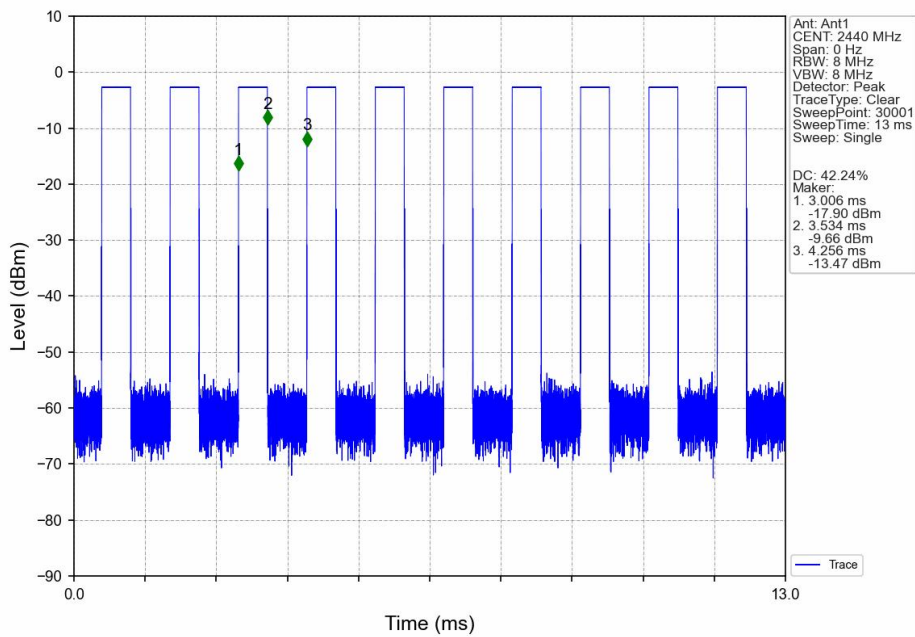
A.6 Duty Cycle

Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.528	1.250	42.24	3.74	0.03
		2440	0.528	1.250	42.24	3.74	0.03
		2480	0.529	1.250	42.32	3.73	0.03

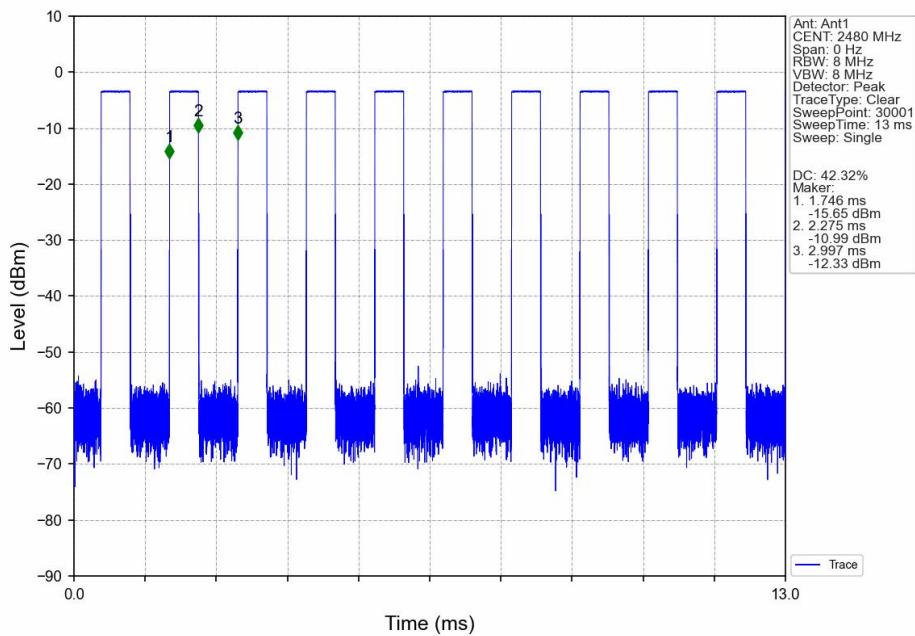




1M_MCH_2440MHz_Ant1_NTNV



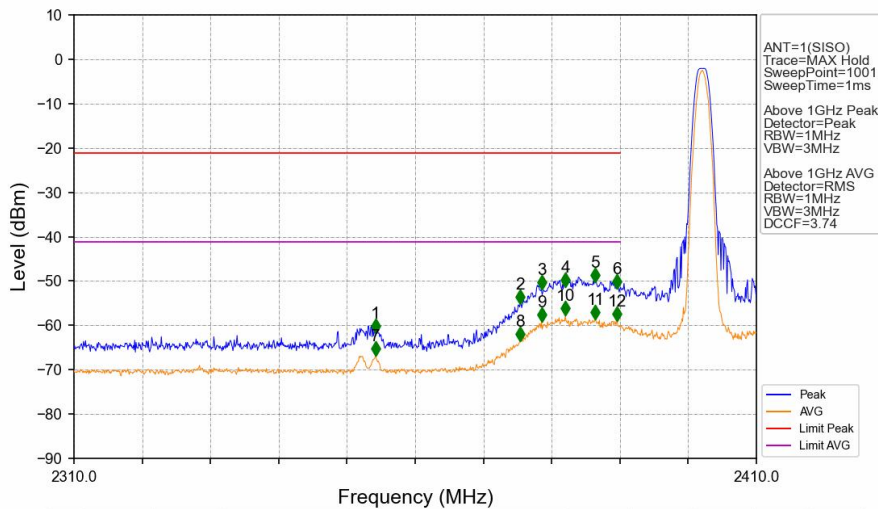
1M_HCH_2480MHz_Ant1_NTNV





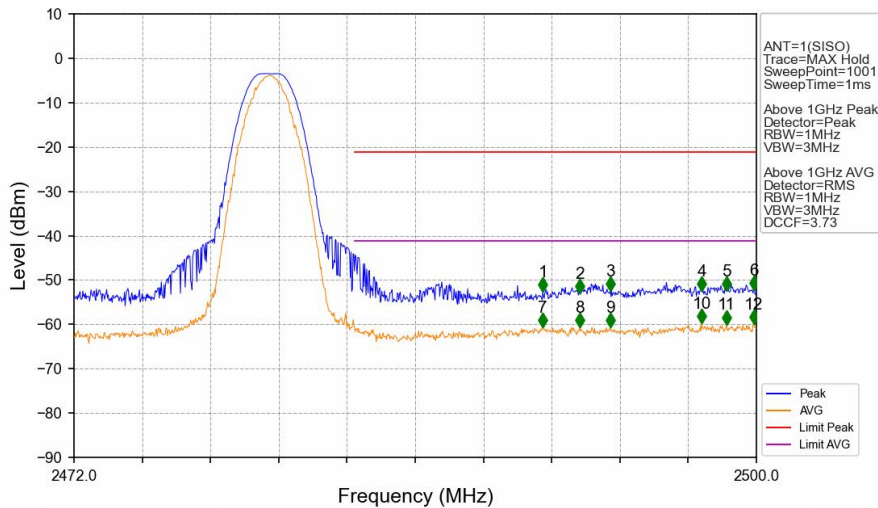
A.7 Restrict Band

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	2354.200	-61.74	-21.20	40.54	Pass	Peak	7	2354.200	-66.88	-41.20	25.68	Pass	AVG
2	2375.400	-55.14	-21.20	33.94	Pass	Peak	8	2375.400	-63.62	-41.20	22.42	Pass	AVG
3	2378.500	-51.85	-21.20	30.65	Pass	Peak	9	2378.500	-59.19	-41.20	17.99	Pass	AVG
4	2382.000	-51.32	-21.20	30.12	Pass	Peak	10	2382.000	-57.74	-41.20	16.54	Pass	AVG
5	2386.400	-50.15	-21.20	28.95	Pass	Peak	11	2386.400	-58.68	-41.20	17.48	Pass	AVG
6	2389.600	-51.72	-21.20	30.52	Pass	Peak	12	2389.600	-59.06	-41.20	17.86	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	2491.236	-52.68	-21.20	31.48	Pass	Peak	7	2491.236	-60.62	-41.20	19.42	Pass	AVG
2	2492.748	-52.94	-21.20	31.74	Pass	Peak	8	2492.748	-60.60	-41.20	19.40	Pass	AVG
3	2494.008	-52.34	-21.20	31.14	Pass	Peak	9	2494.008	-60.56	-41.20	19.36	Pass	AVG
4	2497.760	-52.50	-21.20	31.30	Pass	Peak	10	2497.760	-59.77	-41.20	18.57	Pass	AVG
5	2498.768	-52.38	-21.20	31.18	Pass	Peak	11	2498.768	-59.98	-41.20	18.78	Pass	AVG
6	2499.888	-52.23	-21.20	31.03	Pass	Peak	12	2499.888	-59.95	-41.20	18.75	Pass	AVG

