



Appendix A

RF Test Data for BT(BLE) (Conducted Measurement)

Product Name: Remote ID

Trade Mark: RemoteID-RCxx

Test Model: N/A

Environmental Conditions

Temperature:	25.2℃
Relative Humidity:	51.2%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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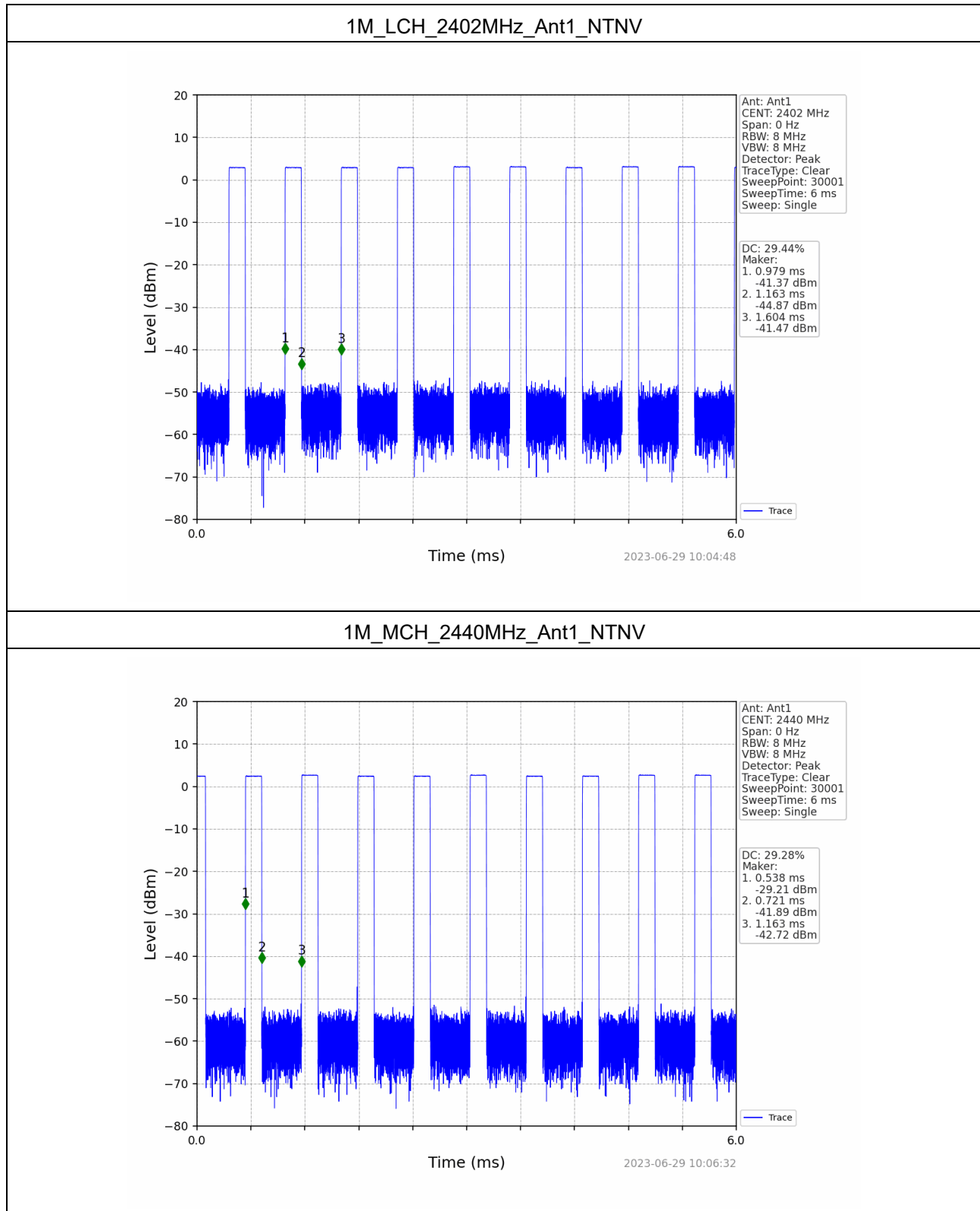
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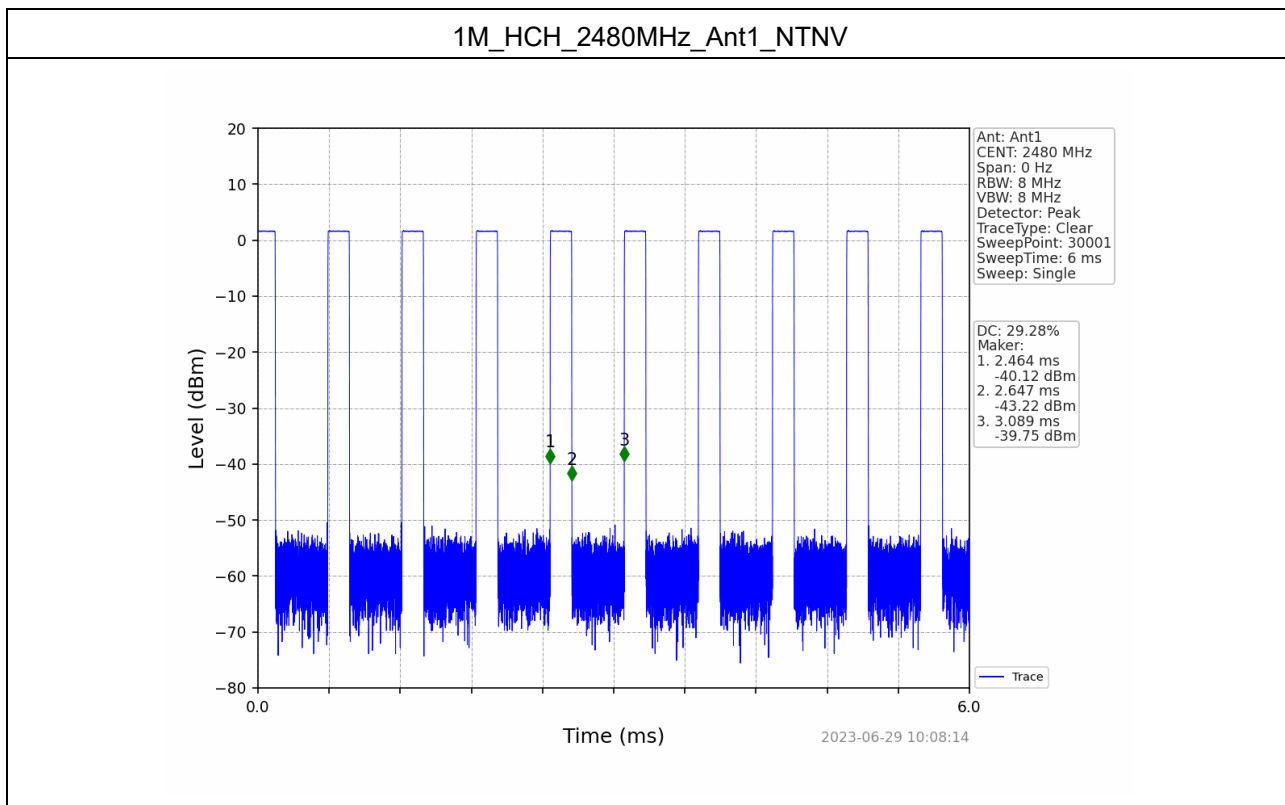
1 Duty Cycle

1.1 Test Result

Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.184	0.625	29.44	5.31	0.03
		2440	0.183	0.625	29.28	5.33	0.05
		2480	0.183	0.625	29.28	5.33	0.06

1.2 Test Graphs





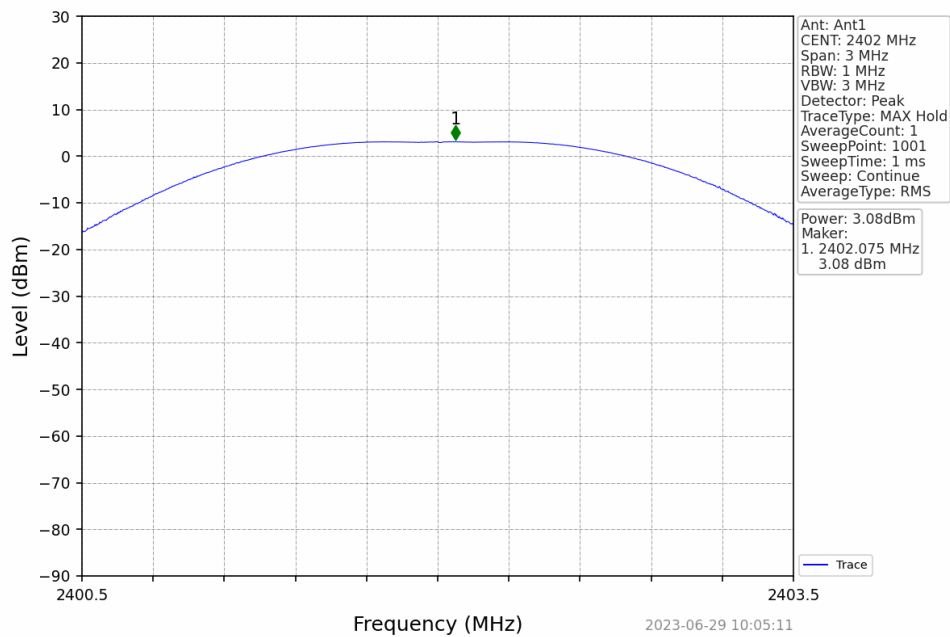
2 Maximum Conducted Peak Output Power

2.1 Test Result

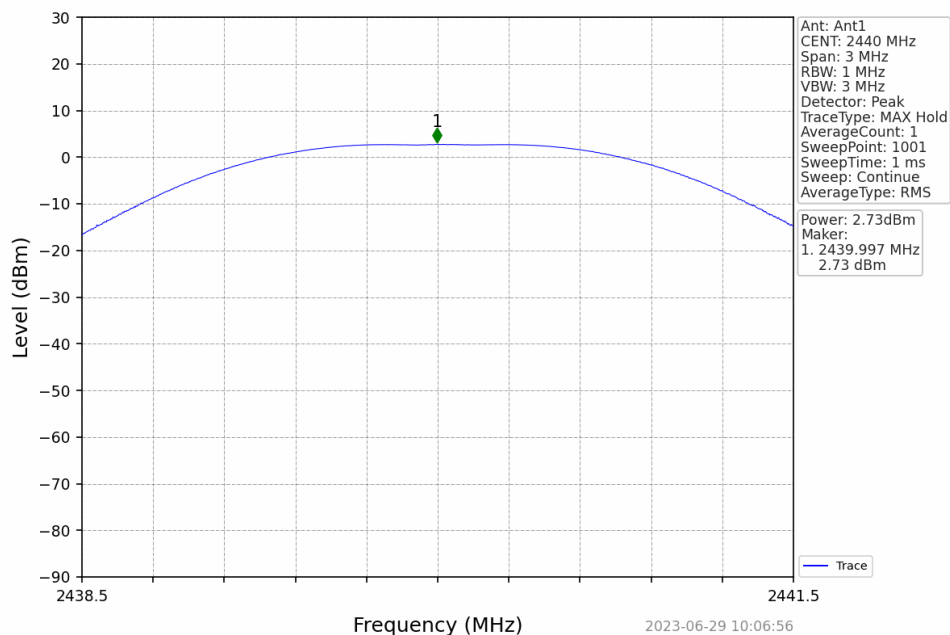
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	3.08	<=30	Pass
		2440	2.73	<=30	Pass
		2480	1.67	<=30	Pass

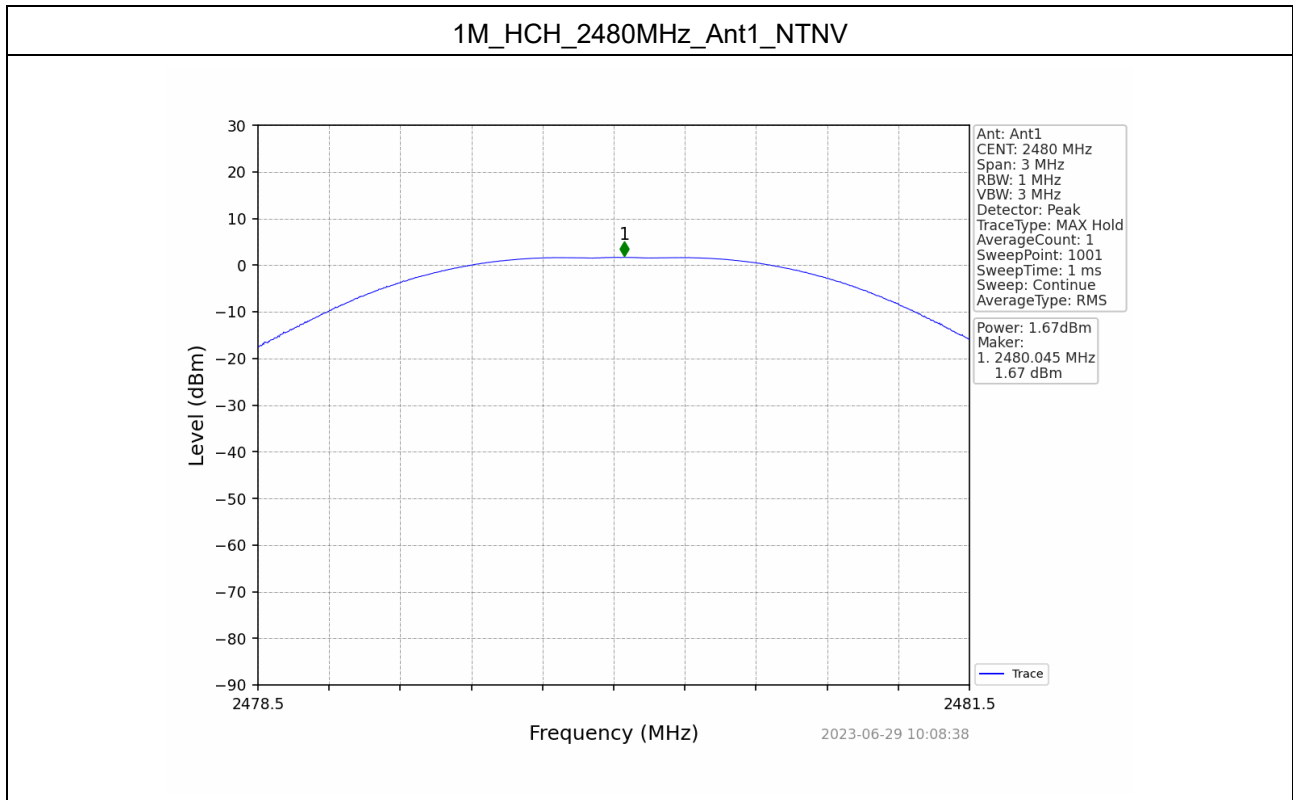
2.2 Test Graphs

1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV



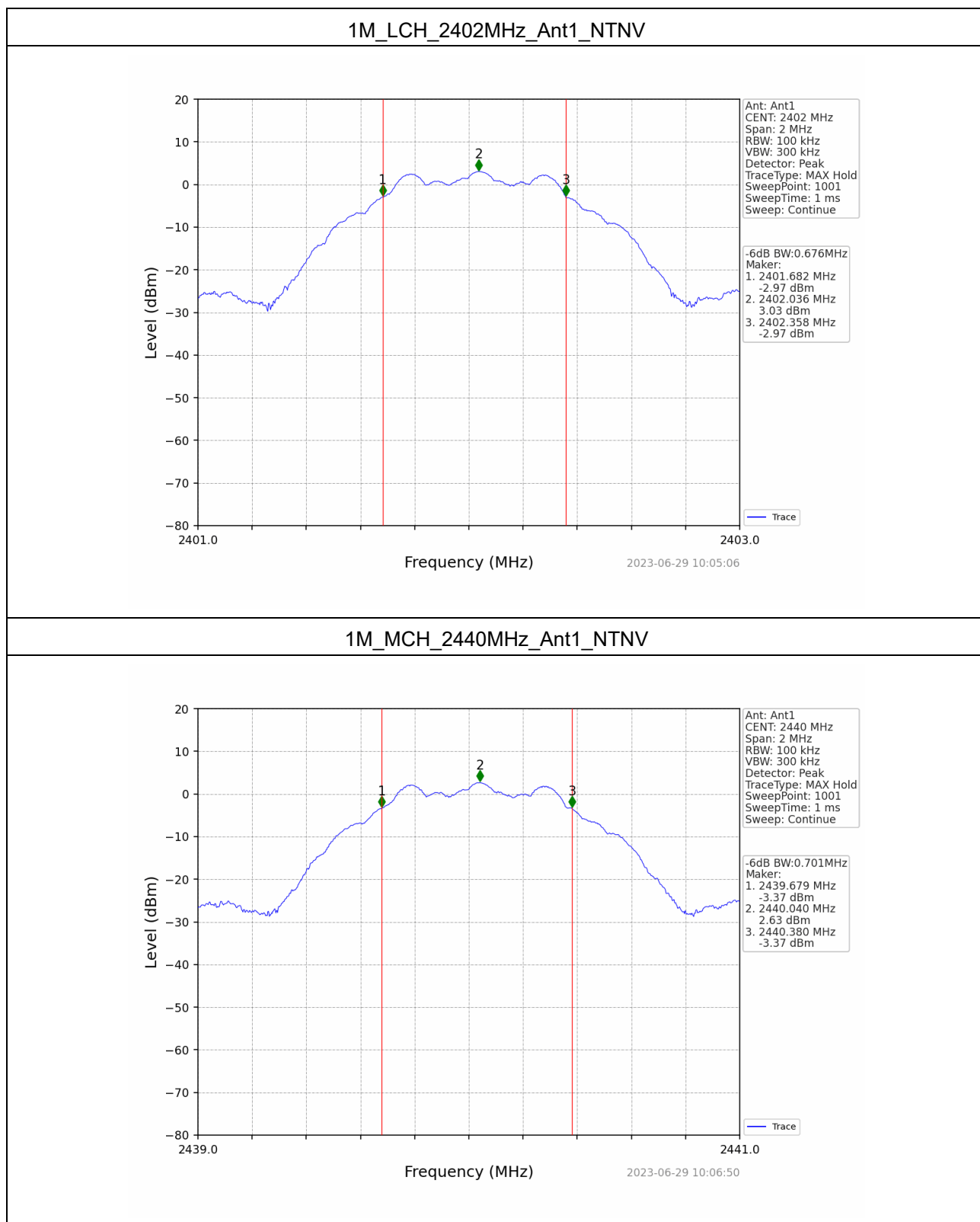


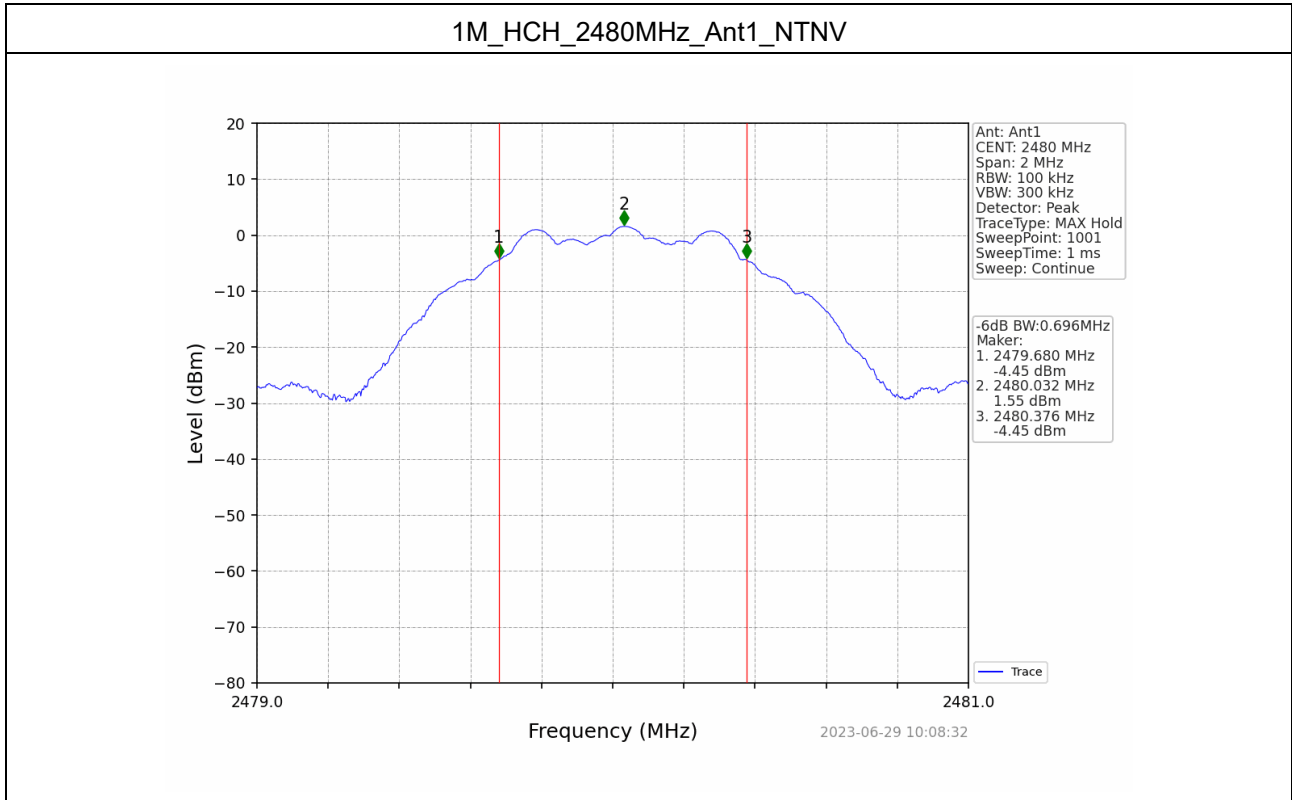
3 6dB BW

3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.676	≥ 0.5	Pass
		2440	1	0.701	≥ 0.5	Pass
		2480	1	0.696	≥ 0.5	Pass

3.2 Test Graphs



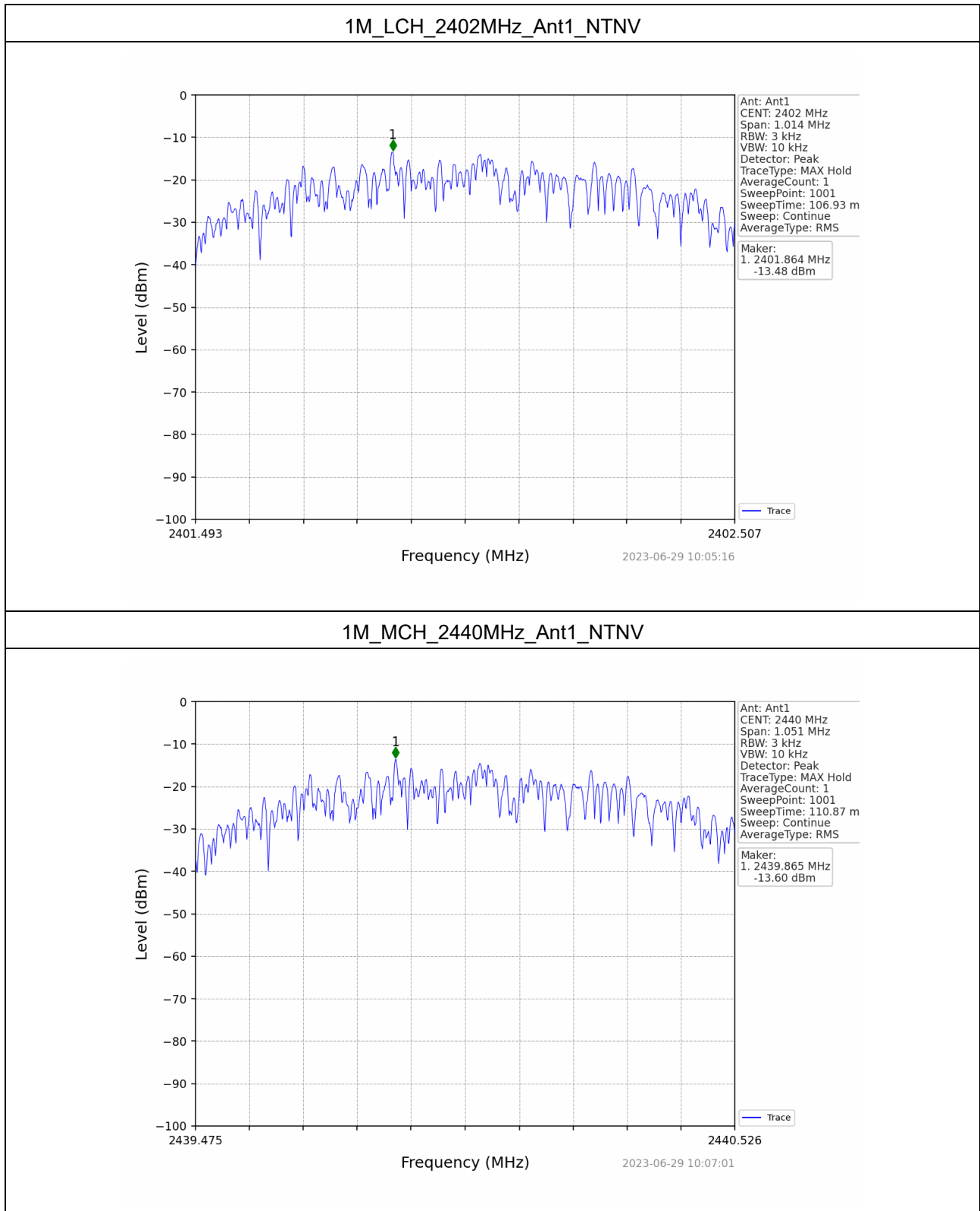


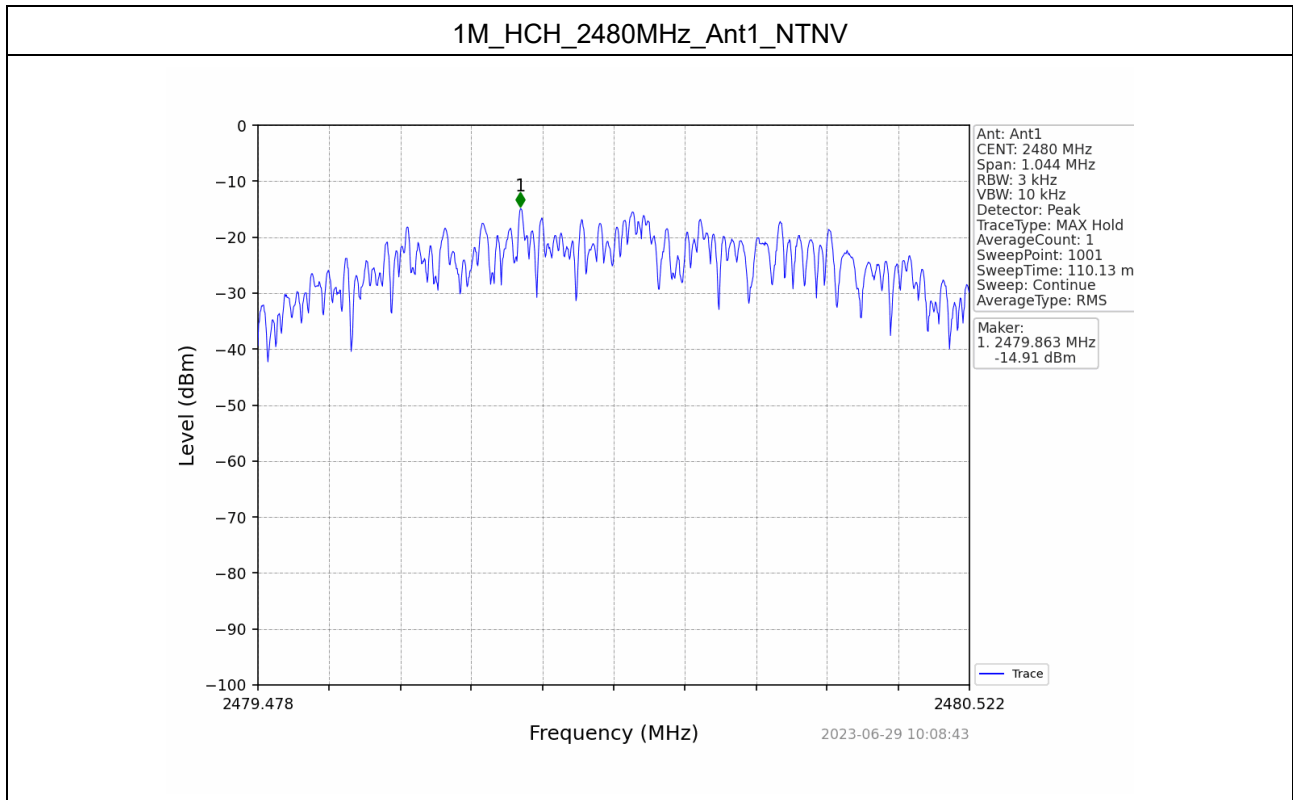
4 Maximum Power Spectral Density

4.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-13.48	≤ 8	Pass
		2440	-13.60	≤ 8	Pass
		2480	-14.91	≤ 8	Pass

4.2 Test Graphs





5 Conducted Spurious Emissions and Band Edges Test

5.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	3.01
		2440	1	2.65
		2480	1	1.57

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.

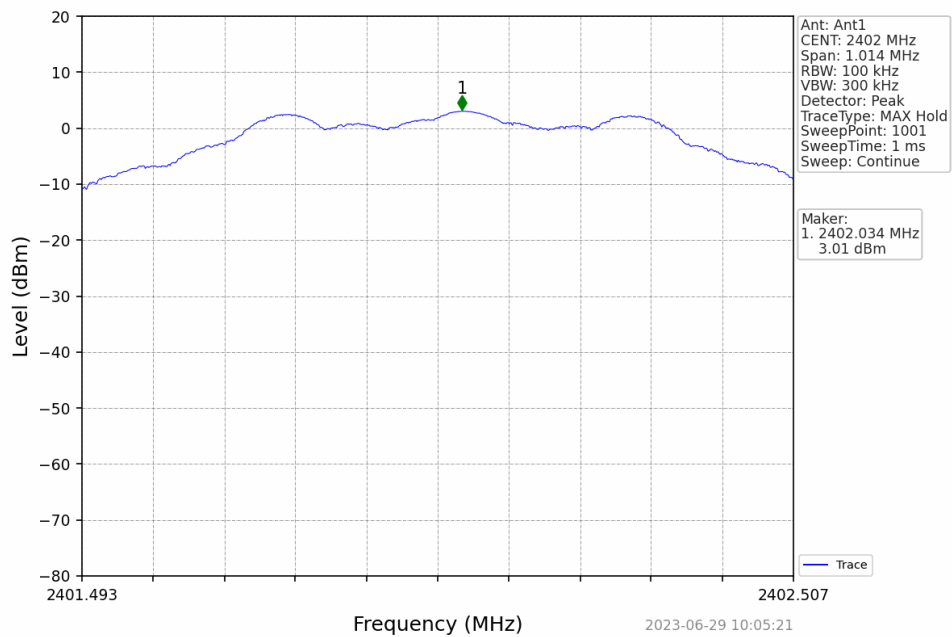
CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	3.01	-26.99	Pass
		2440	1	3.01	-26.99	Pass
		2480	1	3.01	-26.99	Pass

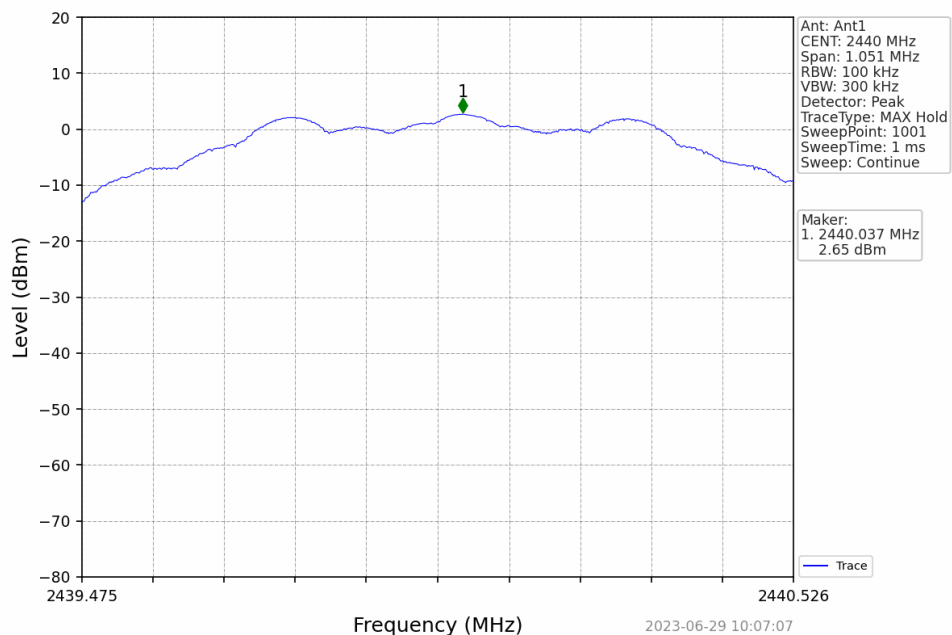
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

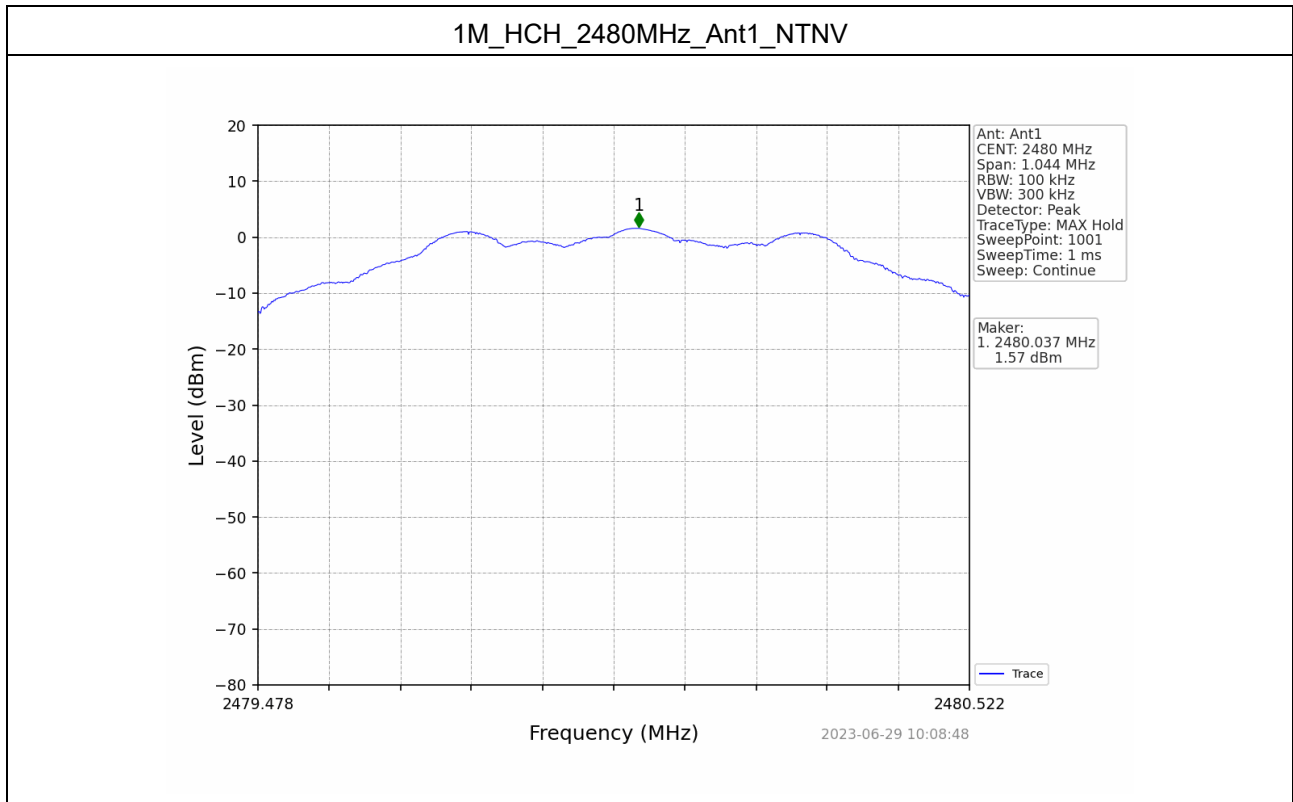
5.2 Test Graphs

1M_LCH_2402MHz_Ant1_NTNV

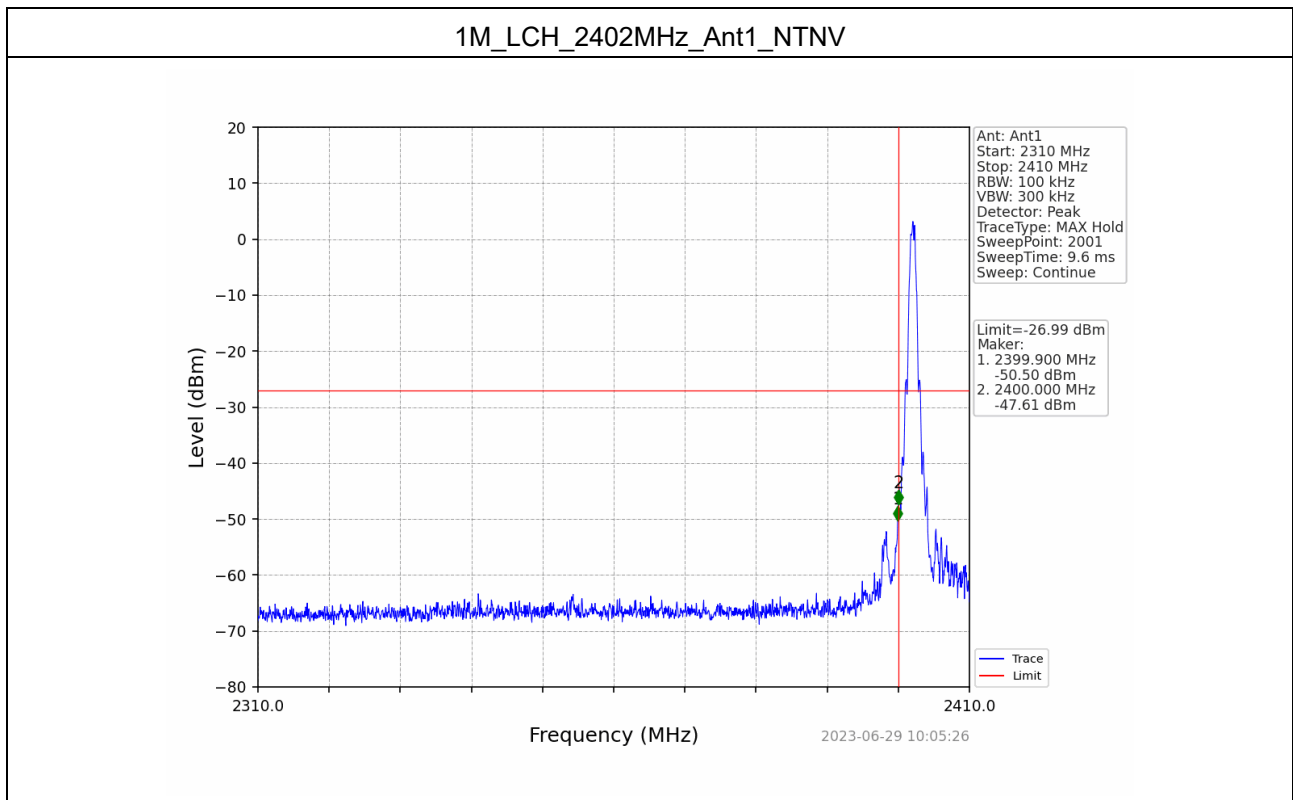


1M_MCH_2440MHz_Ant1_NTNV

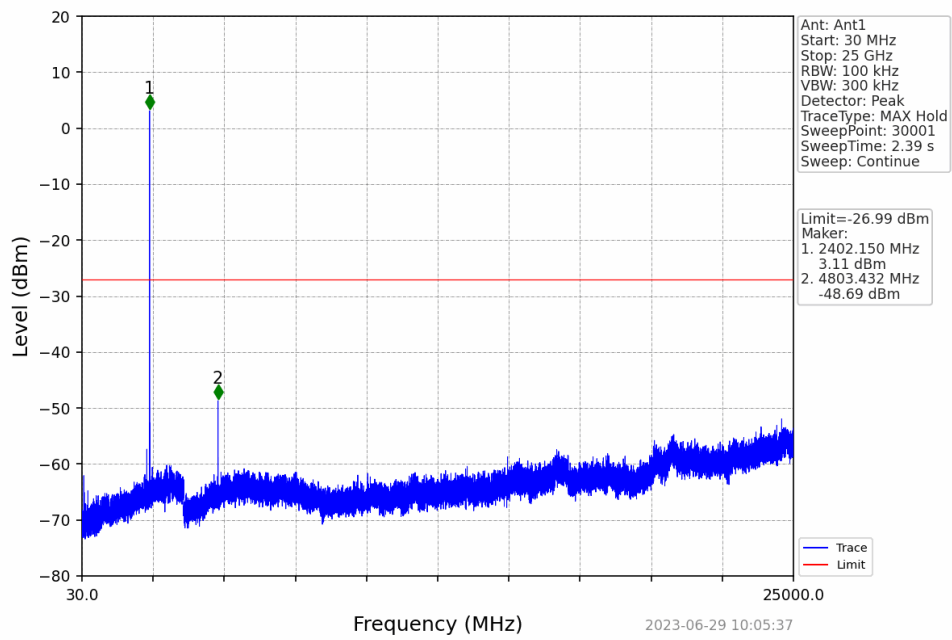




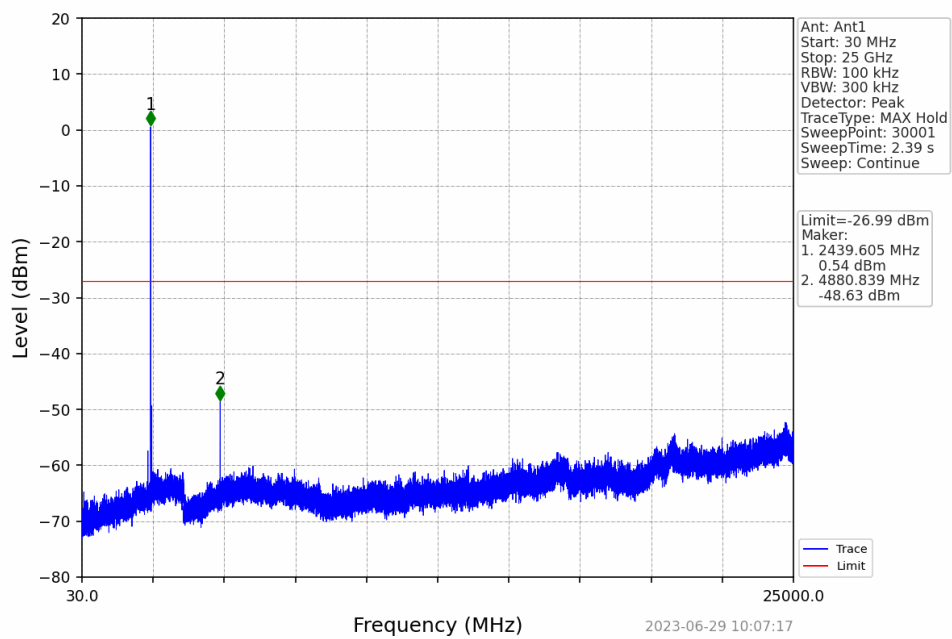
CSE



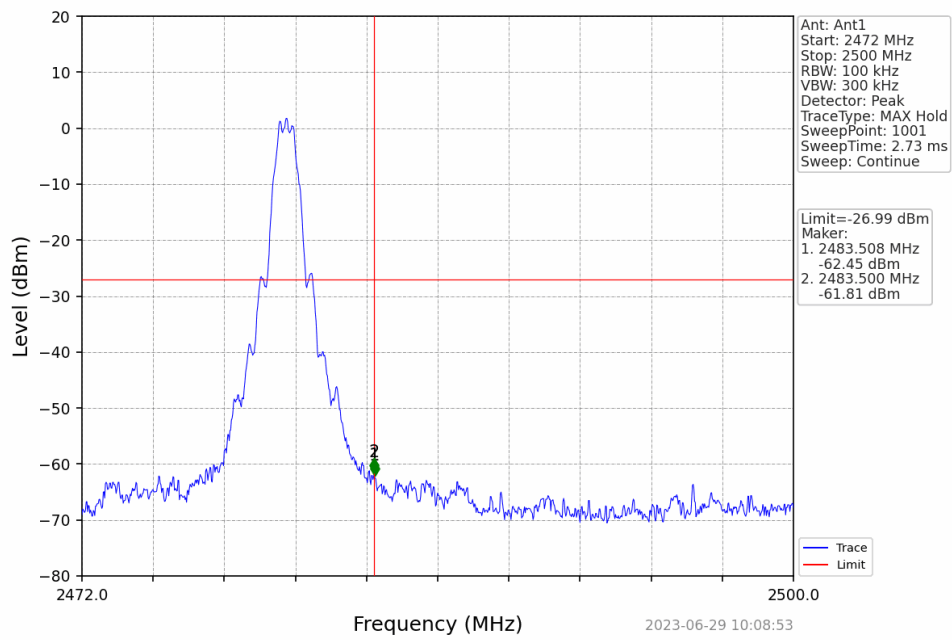
1M_LCH_2402MHz_Ant1_NTNV



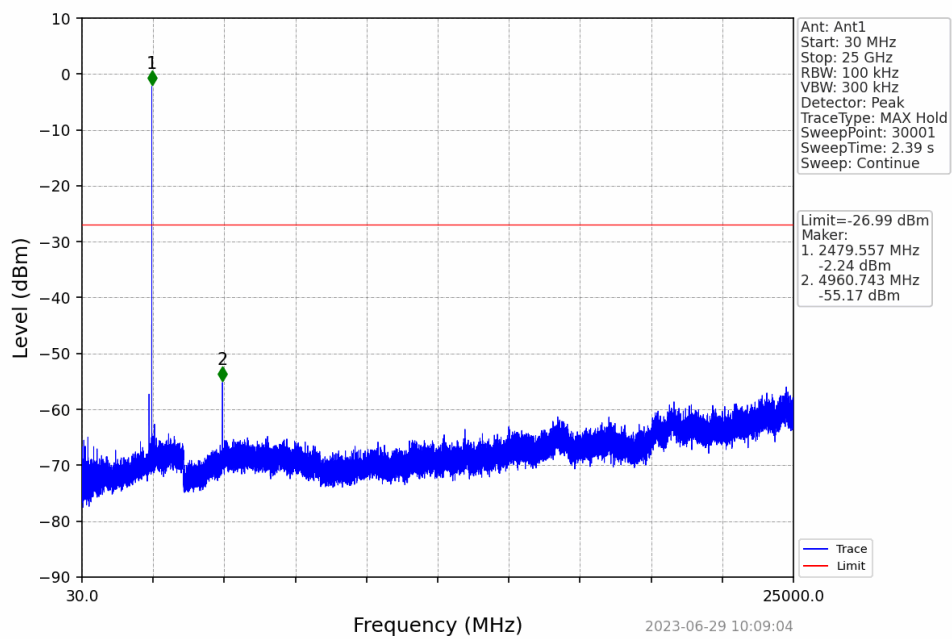
1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



6 Restrict-band Band-edge Measurements

6.1 Test Result

Test Mode: GFSK										
Pol.	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detect or Type	Result
Low Channel: 2402MHz										
H	2390.00	47.86	29.15	3.41	34.01	46.41	74.00	-27.59	PK	PASS
H	2400.00	65.36	29.16	3.43	34.01	63.94	74.00	-10.06	PK	PASS
V	2390.00	48.89	29.15	3.41	34.01	47.44	74.00	-26.56	PK	PASS
V	2400.00	67.93	29.16	3.43	34.01	66.51	74.00	-7.49	PK	PASS
H	2390.00	37.29	29.15	3.41	34.01	35.84	54.00	-18.16	AV	PASS
H	2400.00	48.82	29.16	3.43	34.01	47.40	54.00	-6.60	AV	PASS
V	2390.00	37.59	29.15	3.41	34.01	36.14	54.00	-17.86	AV	PASS
V	2400.00	45.94	29.16	3.43	34.01	44.52	54.00	-9.48	AV	PASS
High Channel: 2480MHz										
H	2483.50	50.56	29.28	3.53	34.03	49.34	74.00	-24.66	PK	PASS
H	2500.00	48.78	29.30	3.56	34.03	47.61	74.00	-26.39	PK	PASS
V	2483.50	52.23	29.28	3.53	34.03	51.01	74.00	-22.99	PK	PASS
V	2500.00	50.26	29.30	3.56	34.03	49.09	74.00	-24.91	PK	PASS
H	2483.50	40.17	29.28	3.53	34.03	38.95	54.00	-15.05	AV	PASS
H	2500.00	37.46	29.30	3.56	34.03	36.29	54.00	-17.71	AV	PASS
V	2483.50	41.80	29.28	3.53	34.03	40.58	54.00	-13.42	AV	PASS
V	2500.00	37.80	29.30	3.56	34.03	36.63	54.00	-17.37	AV	PASS
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit										

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