

Appendix RF test data for BLE



1. Duty Cycle

1.1 Test Result

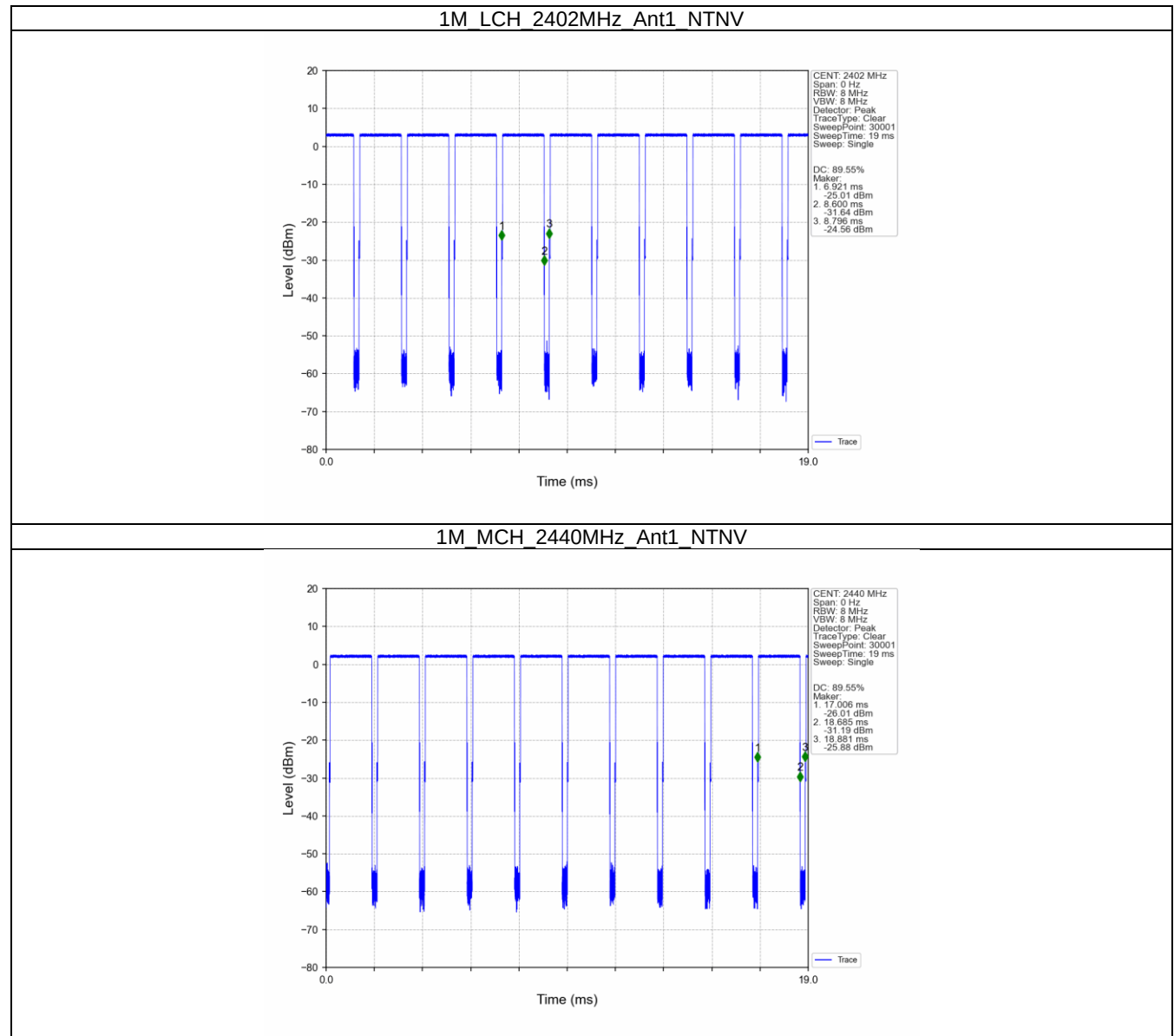
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	1.679	1.875	89.55	0.48	0.03
		2440	1.679	1.875	89.55	0.48	0.06
		2480	1.679	1.875	89.55	0.48	0.03

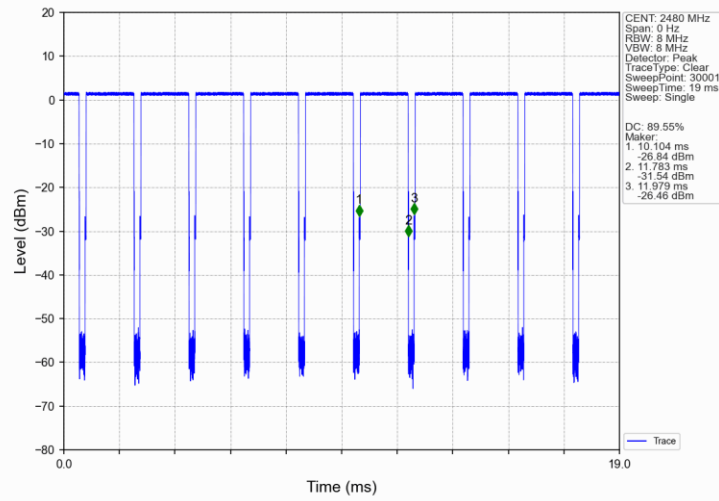
***** End of Report *****

1.2 Test Graph

1.2.1 Ant1



1M HCH 2480MHz Ant1 NTN



2. Bandwidth

2.1 Test Result

2.1.1 OBW

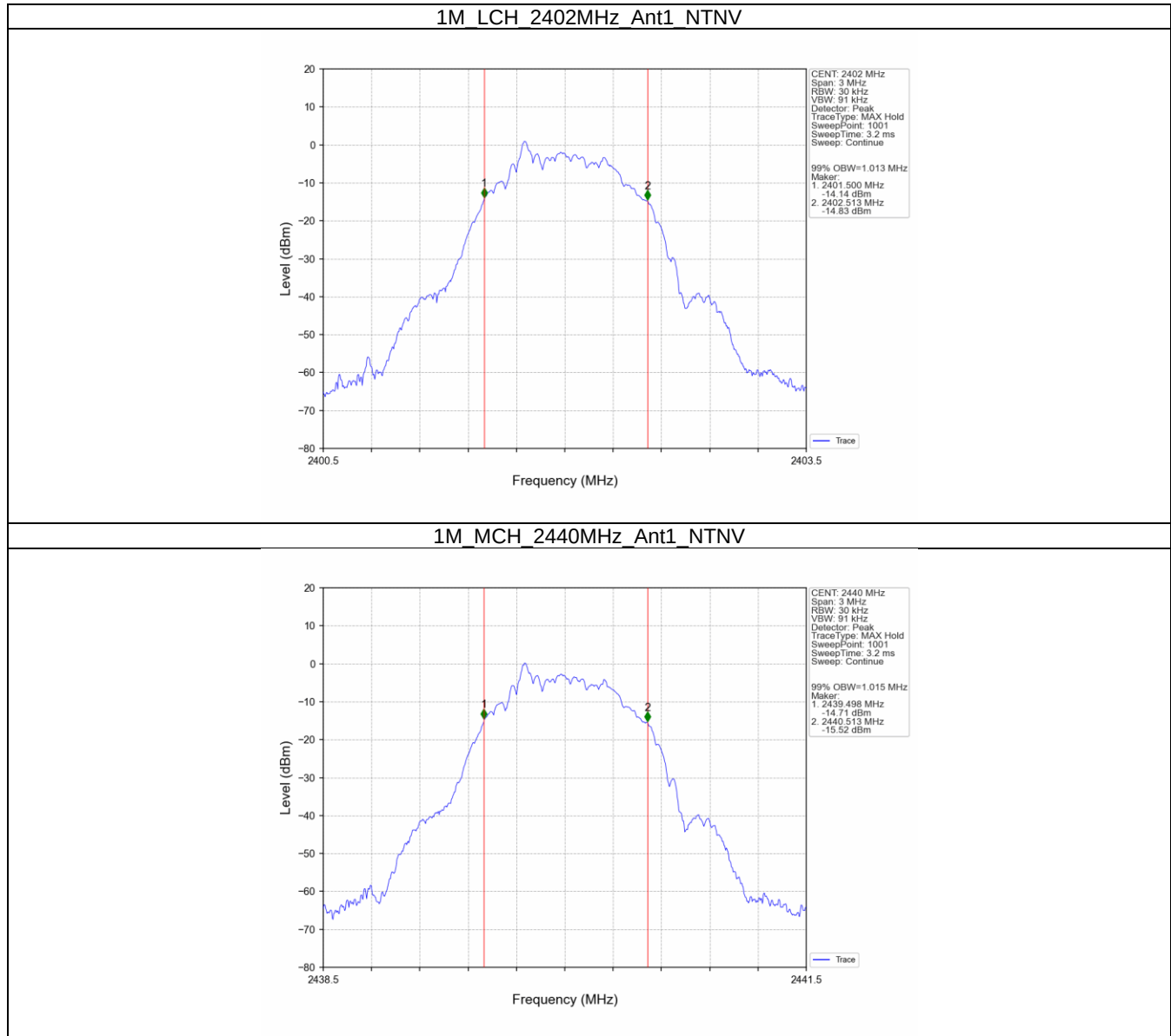
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.013	/	Pass
		2440	1	1.015	/	Pass
		2480	1	1.016	/	Pass

2.1.2 6dB BW

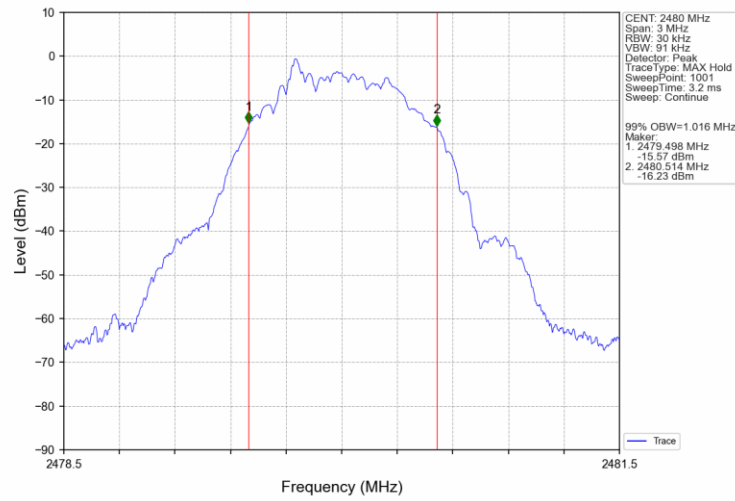
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.667	≥ 0.5	Pass
		2440	1	0.664	≥ 0.5	Pass
		2480	1	0.665	≥ 0.5	Pass

2.2 Test Graph

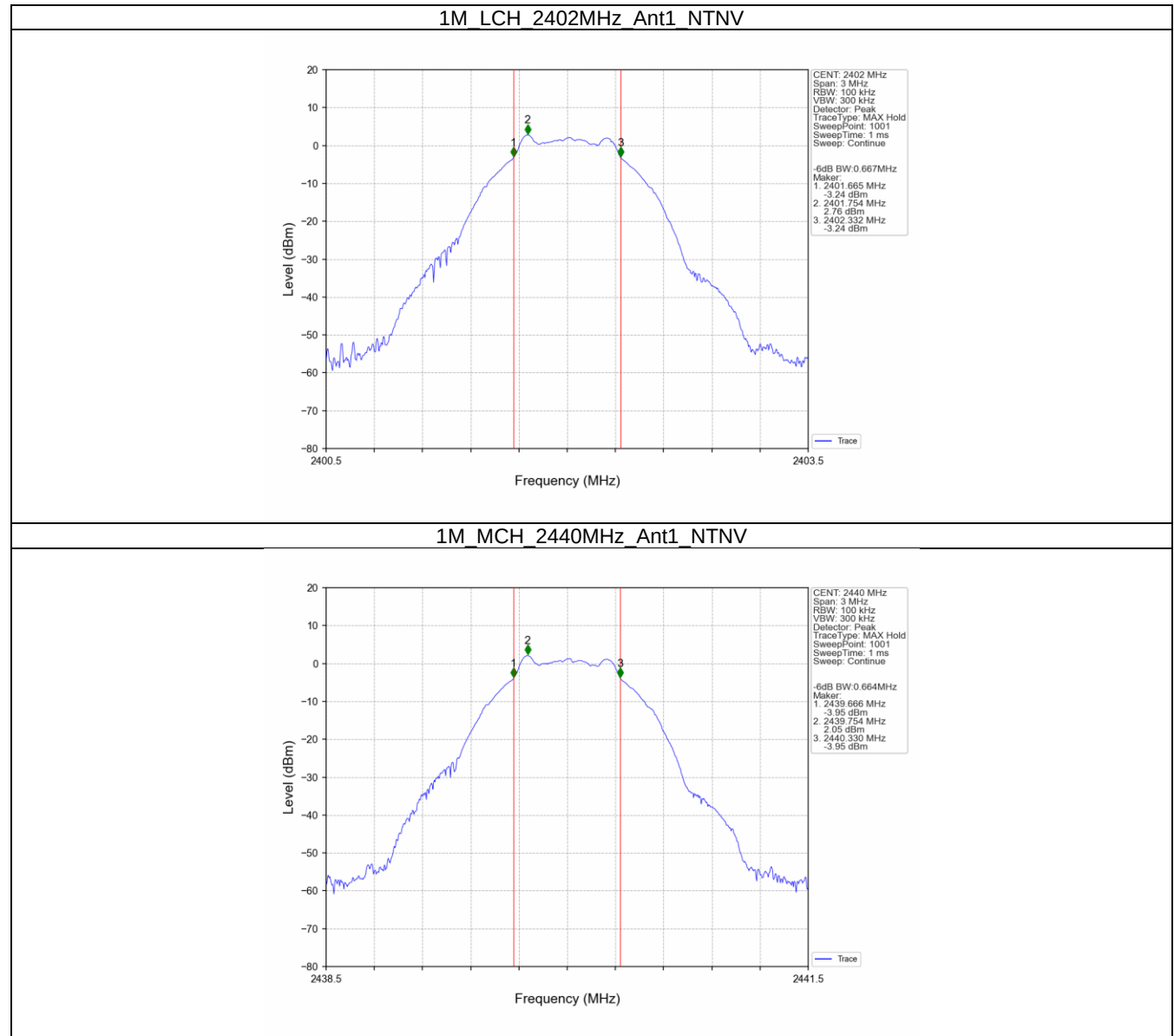
2.2.1 OBW



1M HCH 2480MHz Ant1 NTV

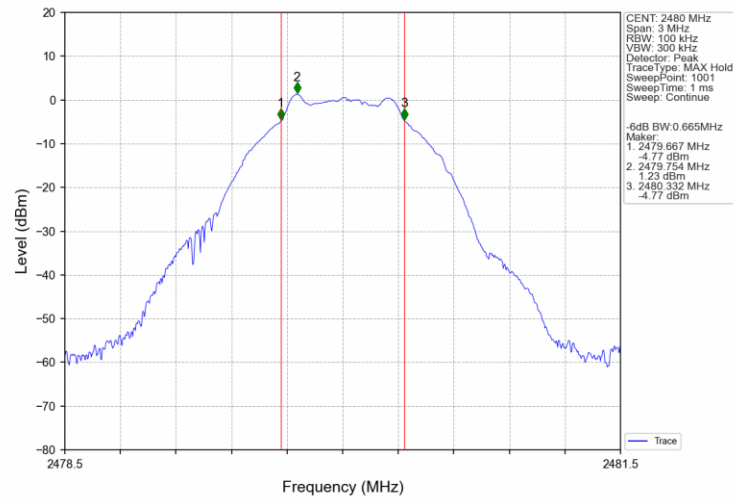


2.2.2 6dB BW





1M HCH 2480MHz Ant1 NTV



3. Maximum Conducted Output Power

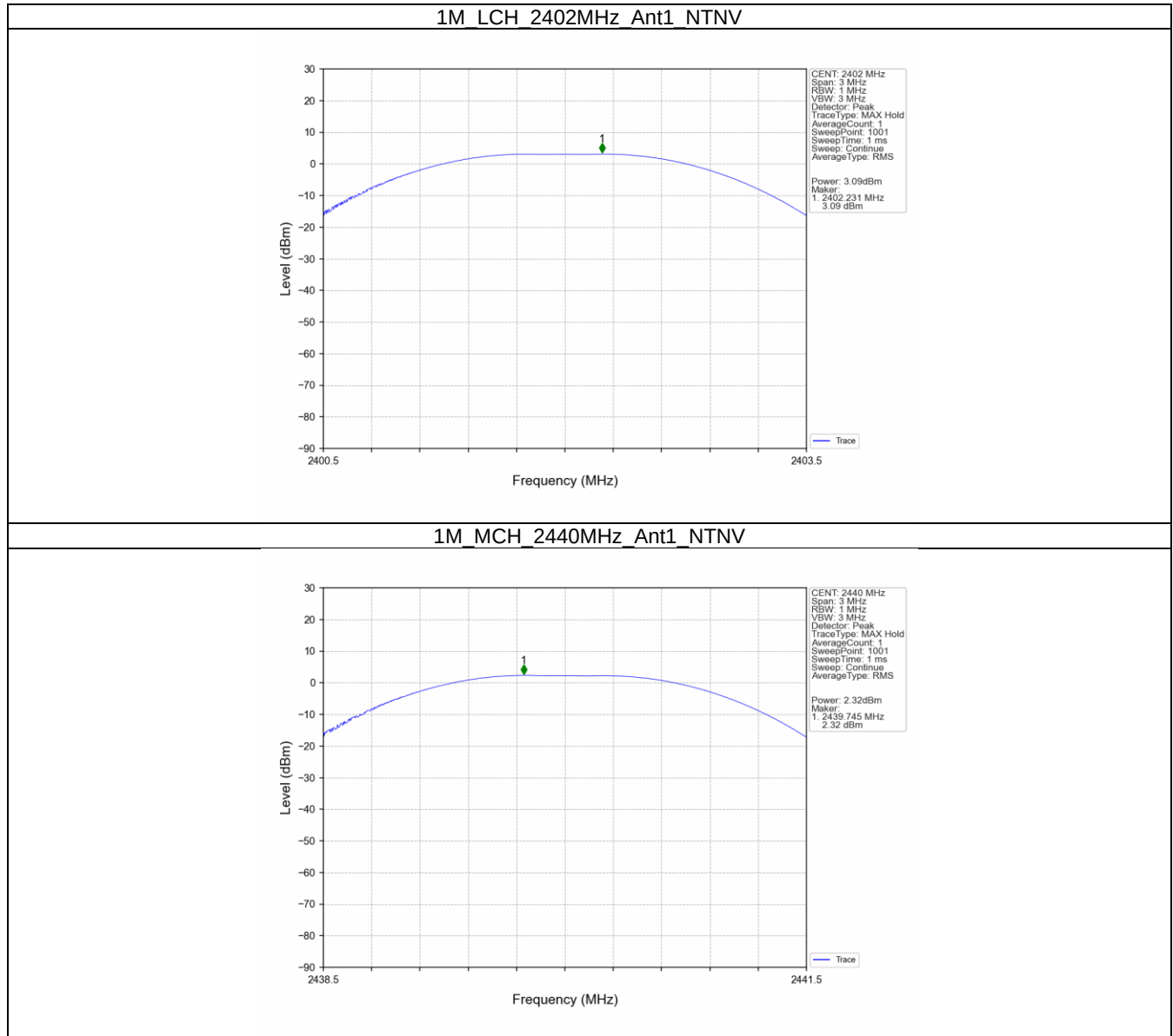
3.1 Test Result

3.1.1 Power

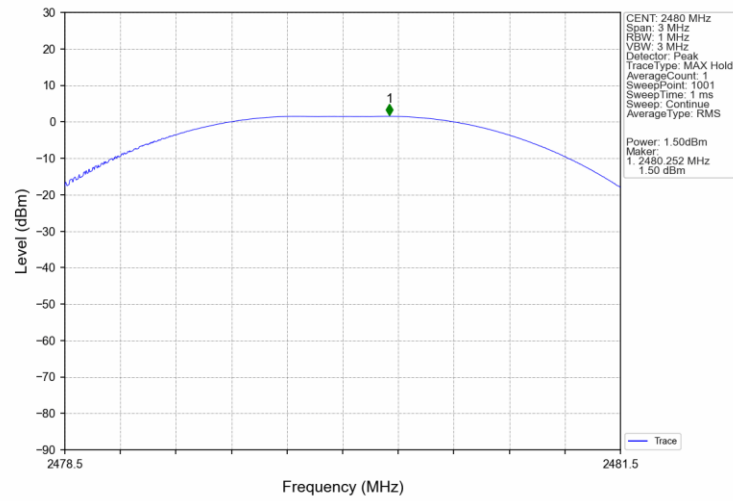
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	3.09	<=30	Pass
		2440	2.32	<=30	Pass
		2480	1.50	<=30	Pass

3.2 Test Graph

3.2.1 Power



1M HCH 2480MHz Ant1 NTN



4. Maximum Power Spectral Density

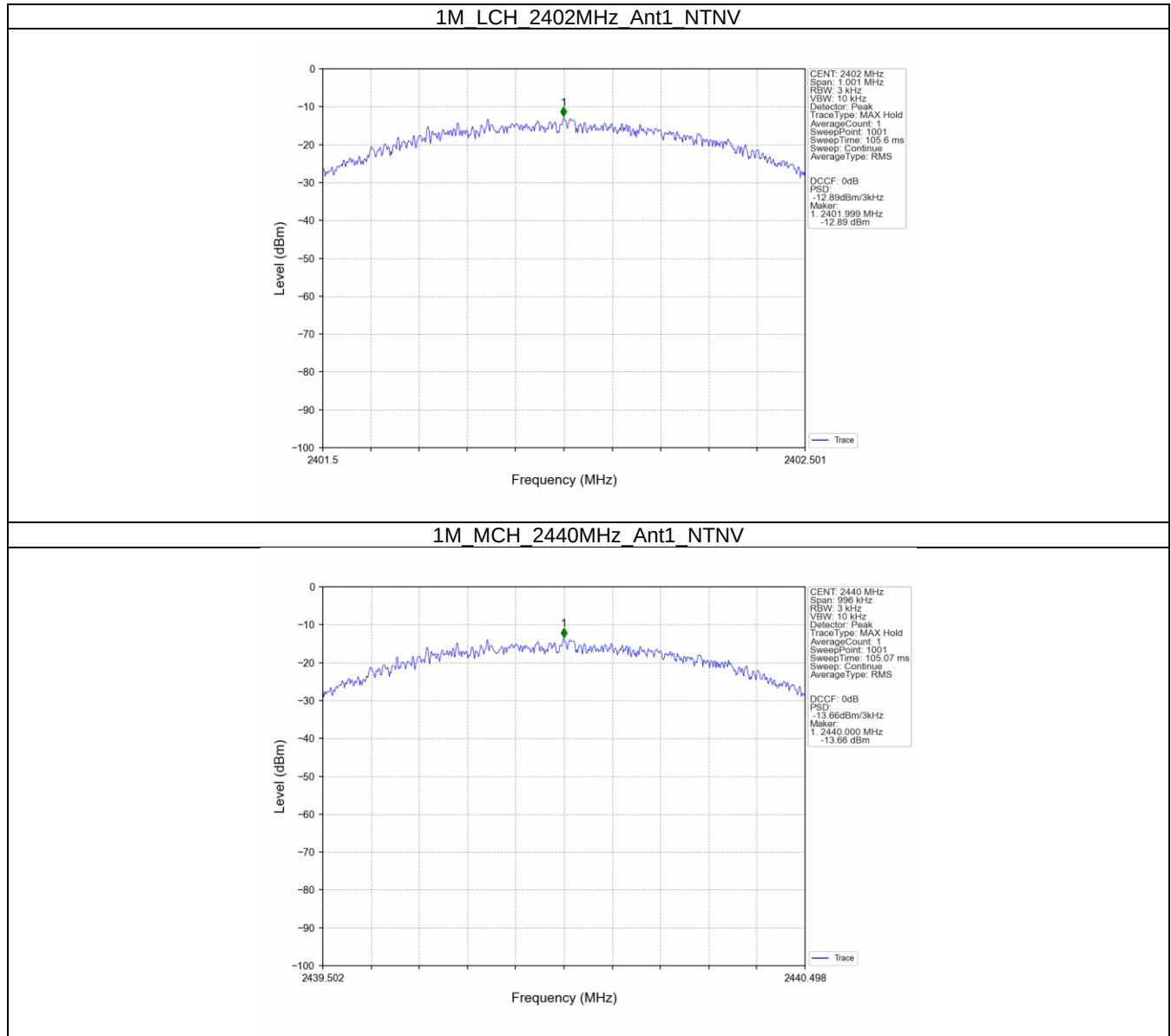
4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-12.89	<=8	Pass
		2440	-13.66	<=8	Pass
		2480	-14.65	<=8	Pass

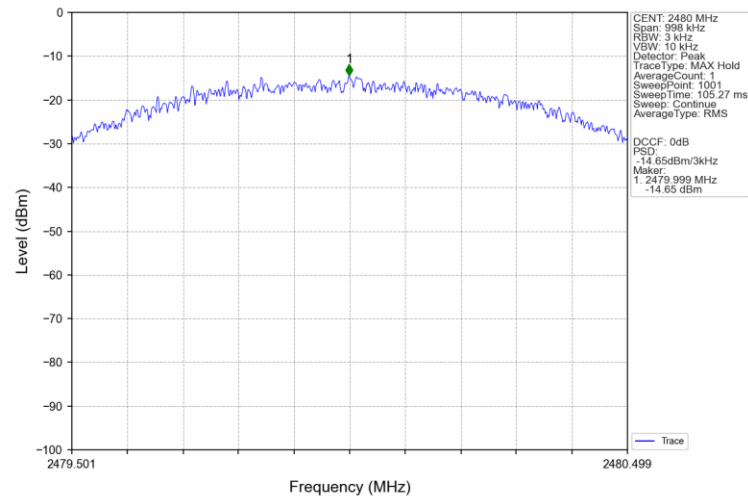
4.2 Test Graph

4.2.1 PSD





1M HCH 2480MHz Ant1 NTNV

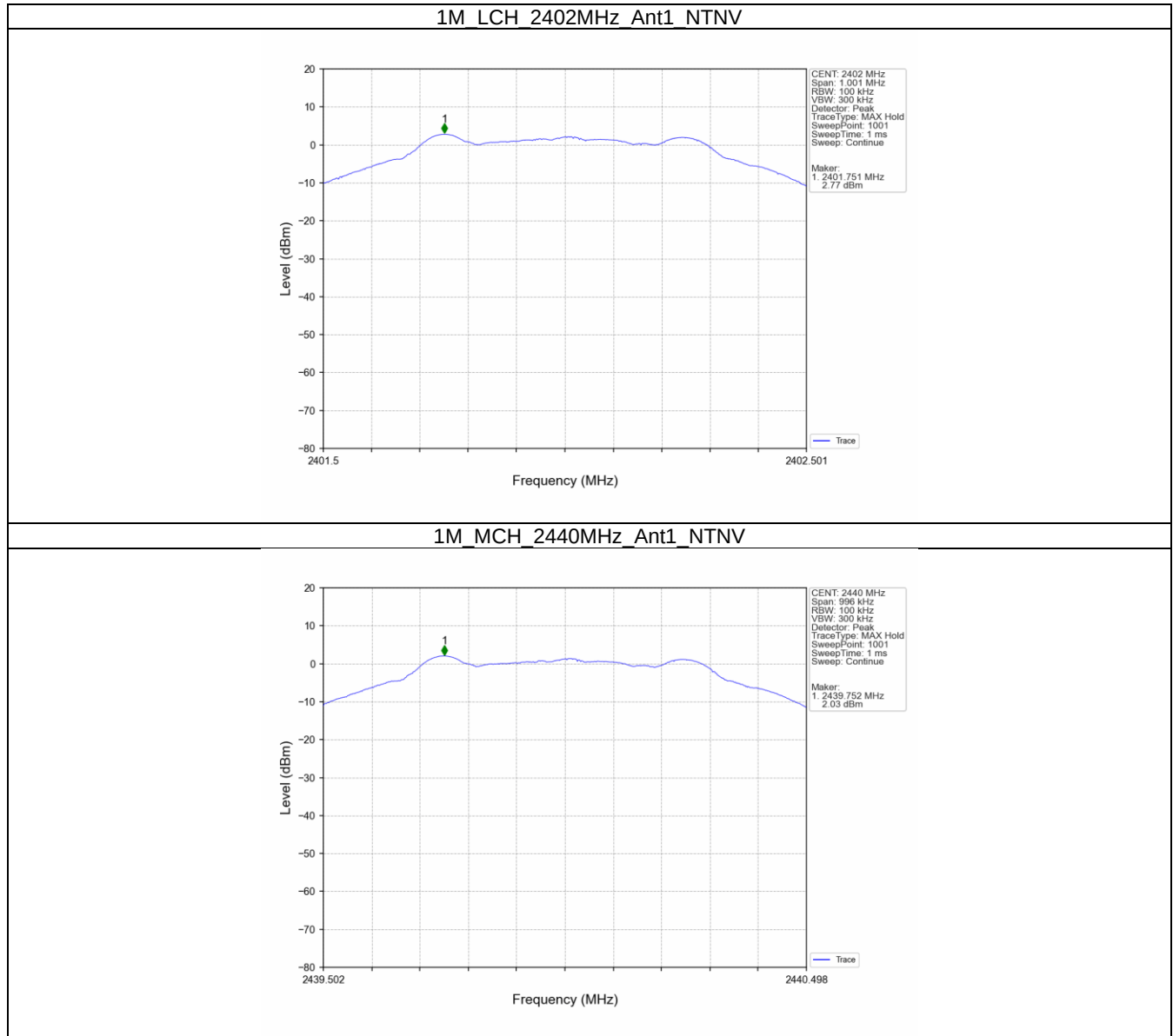




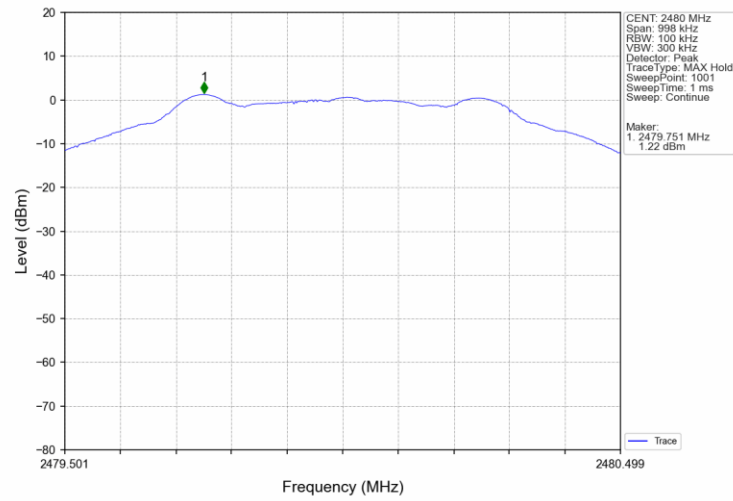
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	2.77	-17.23	Pass
		2440	1	2.03	-17.97	Pass
		2480	1	1.22	-18.78	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

5.2 Test Graph

5.2.1 Ref

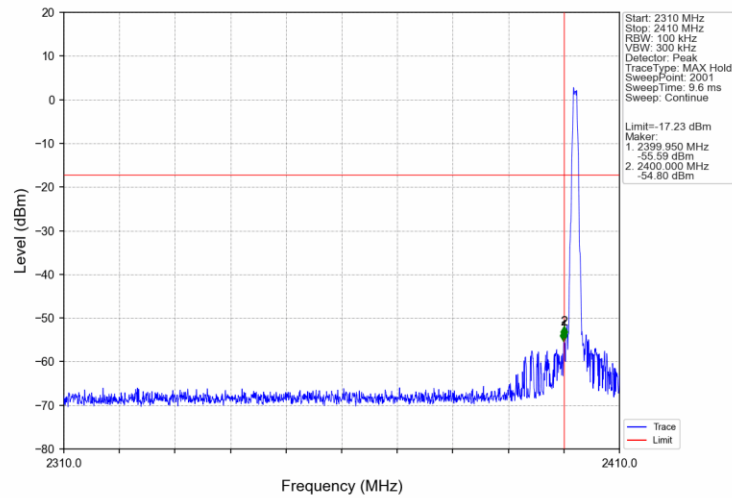


1M HCH 2480MHz Ant1 NTNV

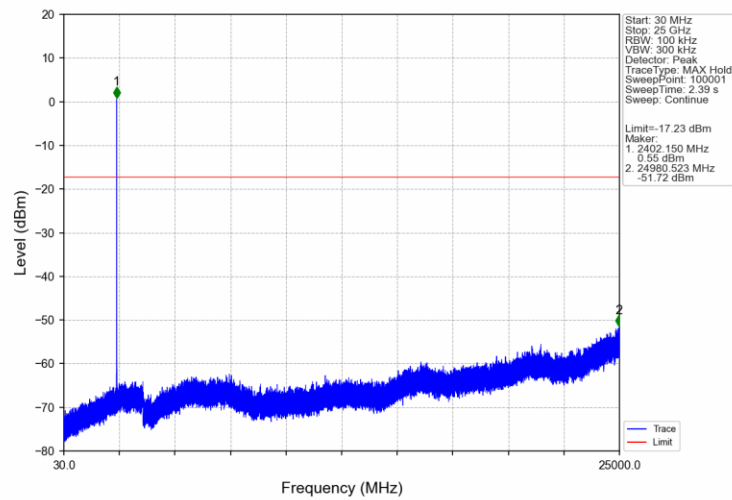


5.2.2 CSE

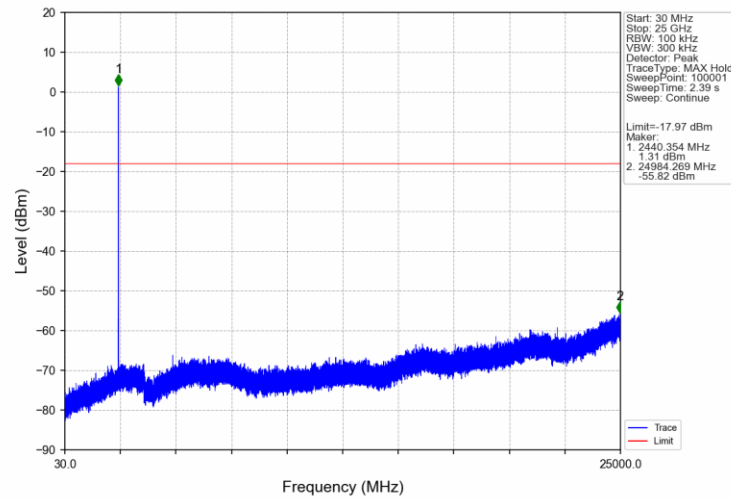
1M LCH 2402MHz Ant1 NTN



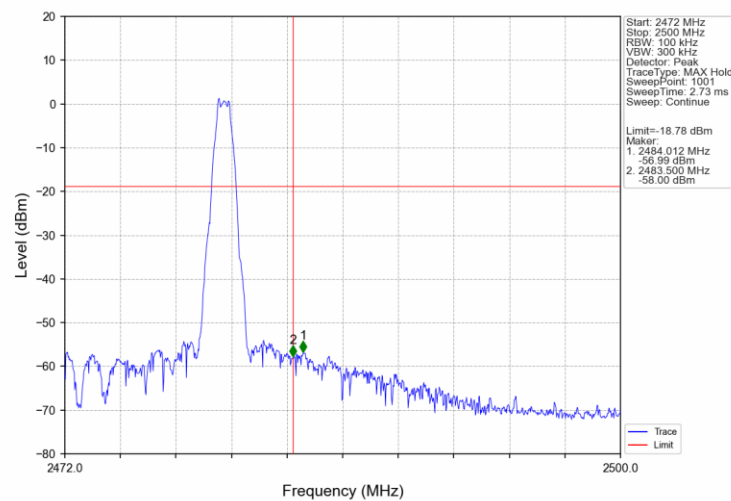
1M_LCH_2402MHz_Ant1_NTNV



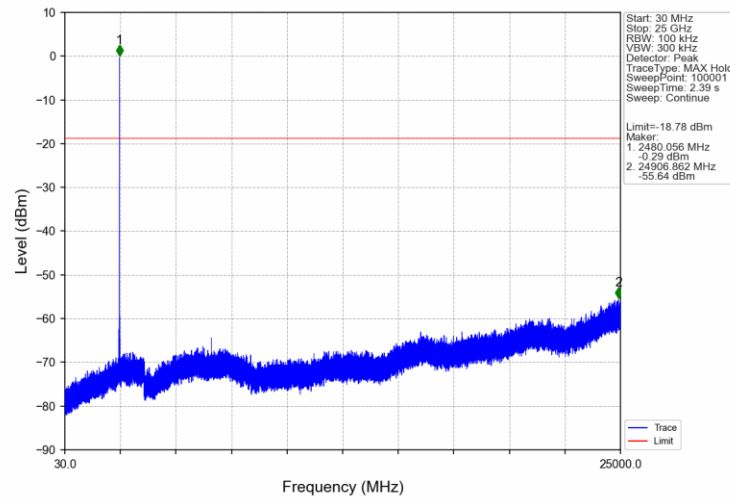
1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



1M HCH 2480MHz Ant1 NTVN



6. Form731

6.1 Test Result

6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0020	3.09