

Appendix Test Data for Bluetooth LE

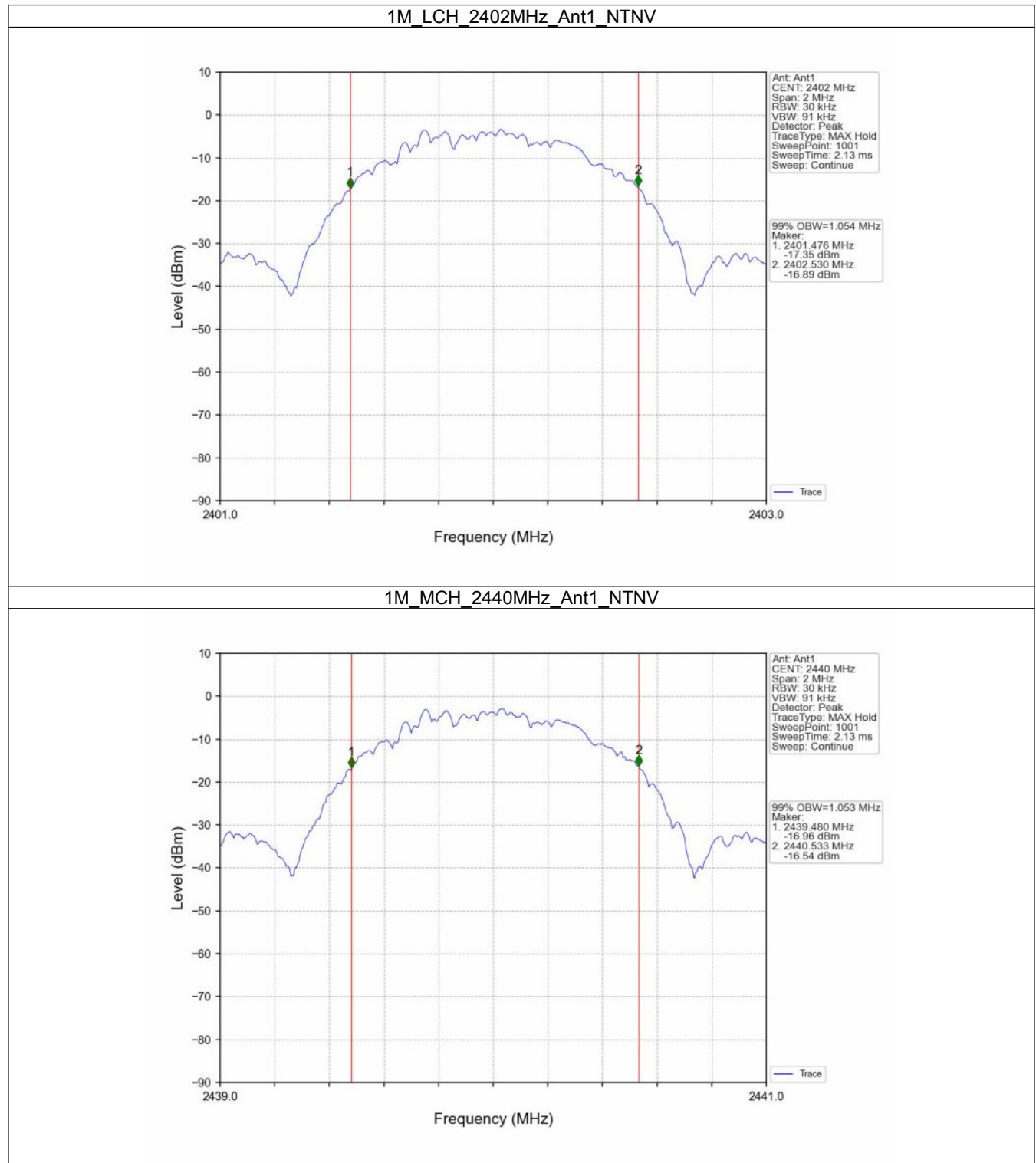
1. Bandwidth

1.1 OBW

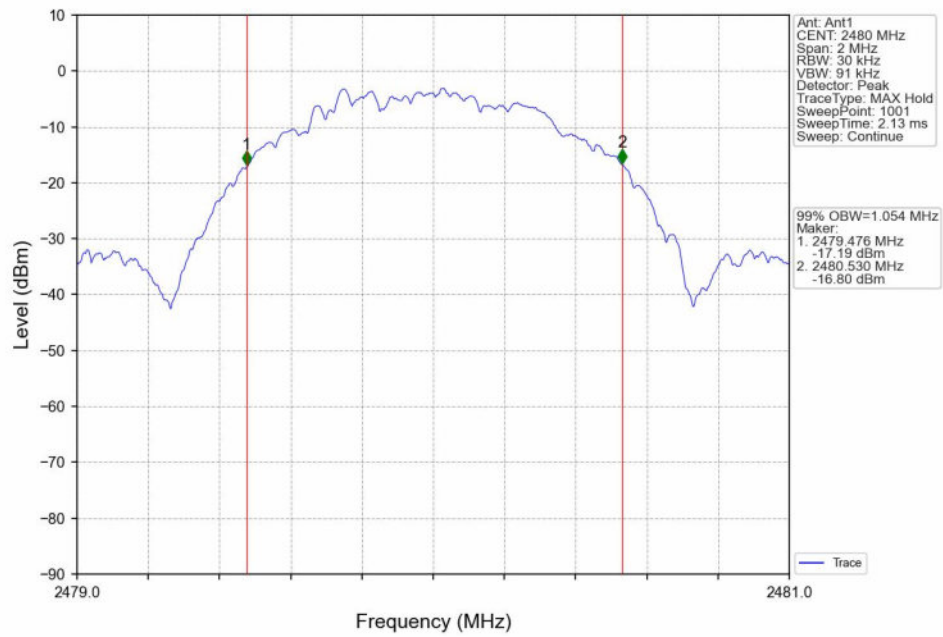
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1M	SISO	2402	1	1.054	Pass
		2440	1	1.053	Pass
		2480	1	1.054	Pass
2M	SISO	2402	1	2.046	Pass
		2440	1	2.047	Pass
		2480	1	2.043	Pass

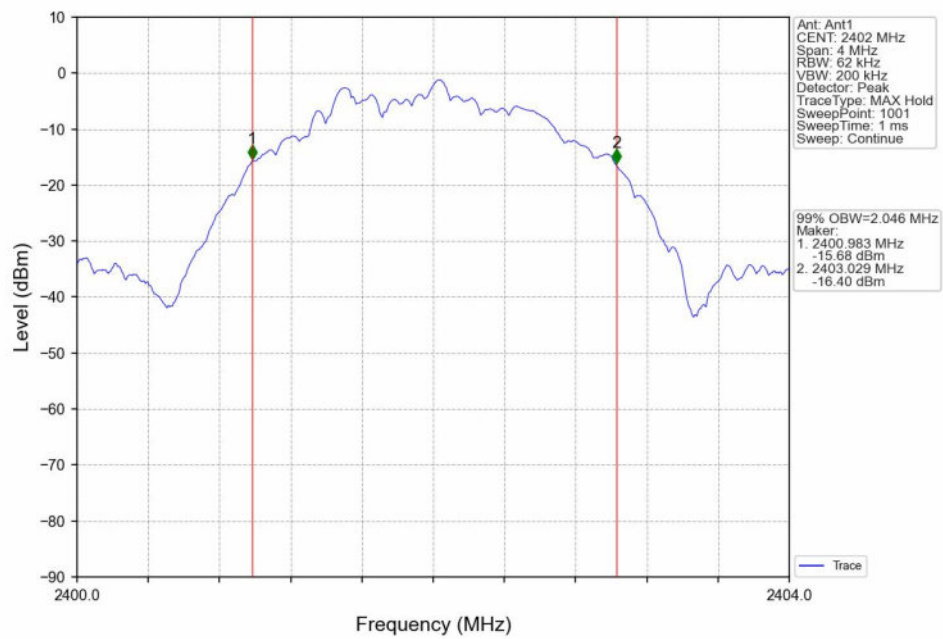
1.1.2 Test Graph



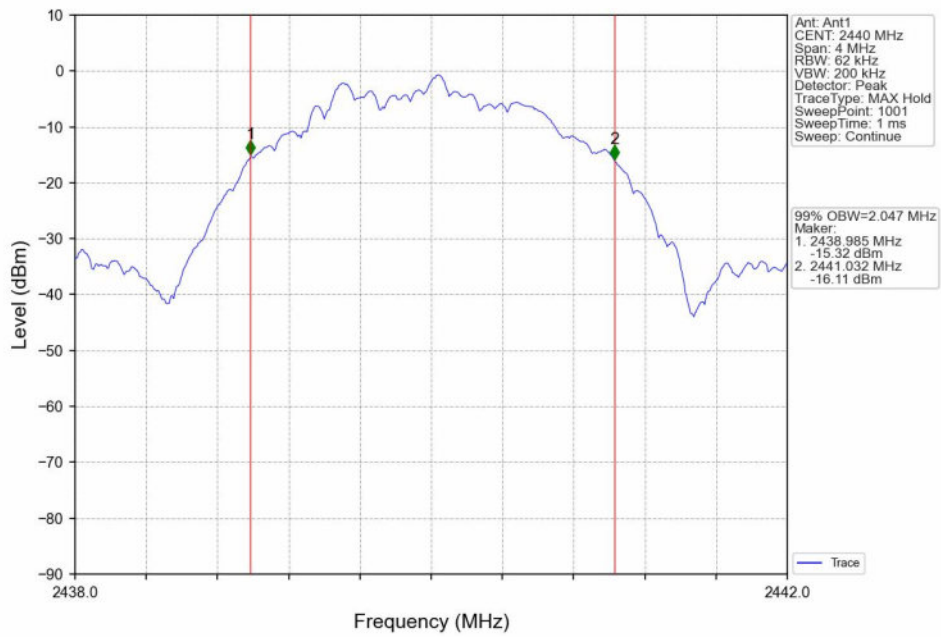
1M_HCH_2480MHz_Ant1_NTNV



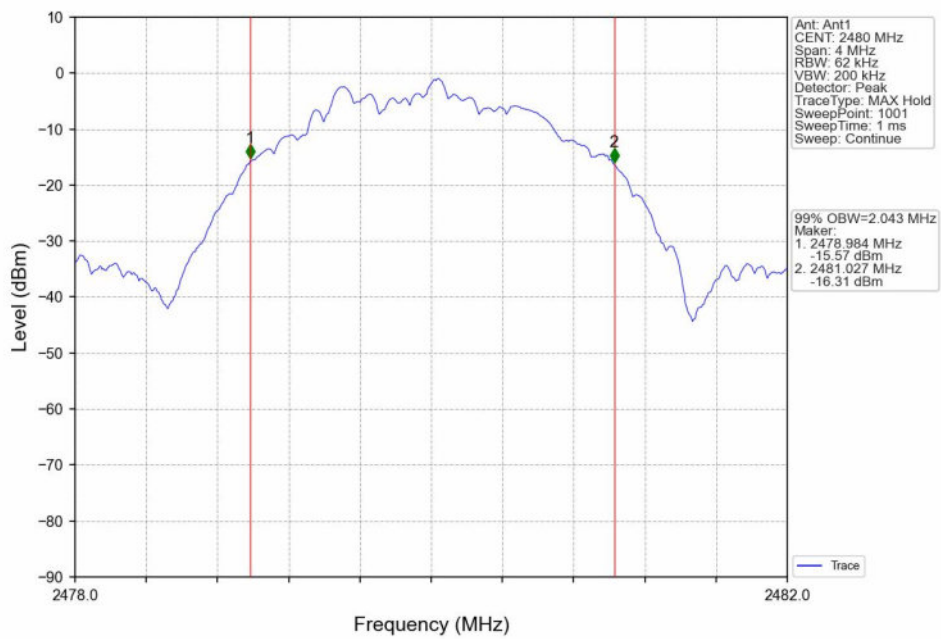
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV

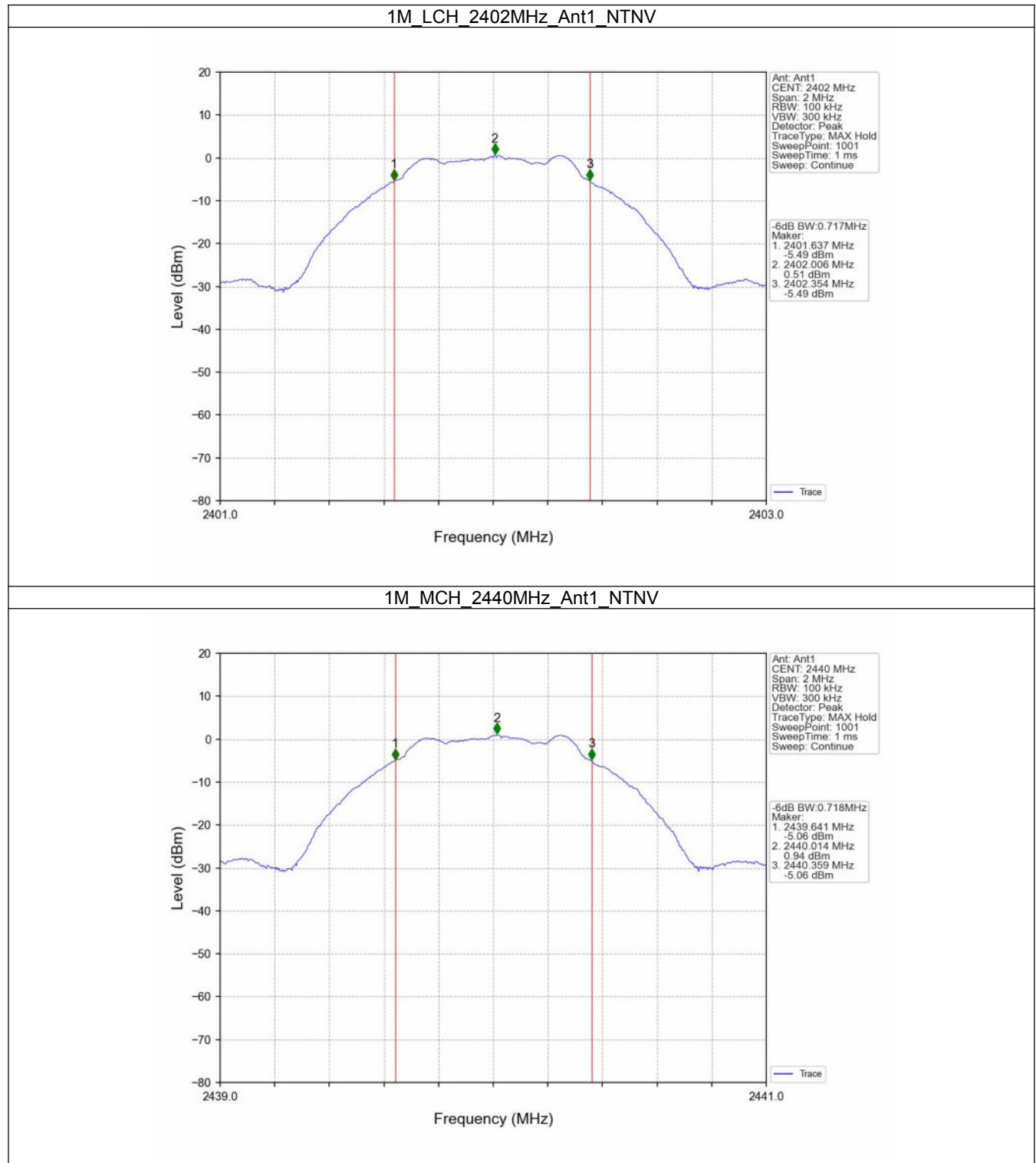


1.2 6dB BW

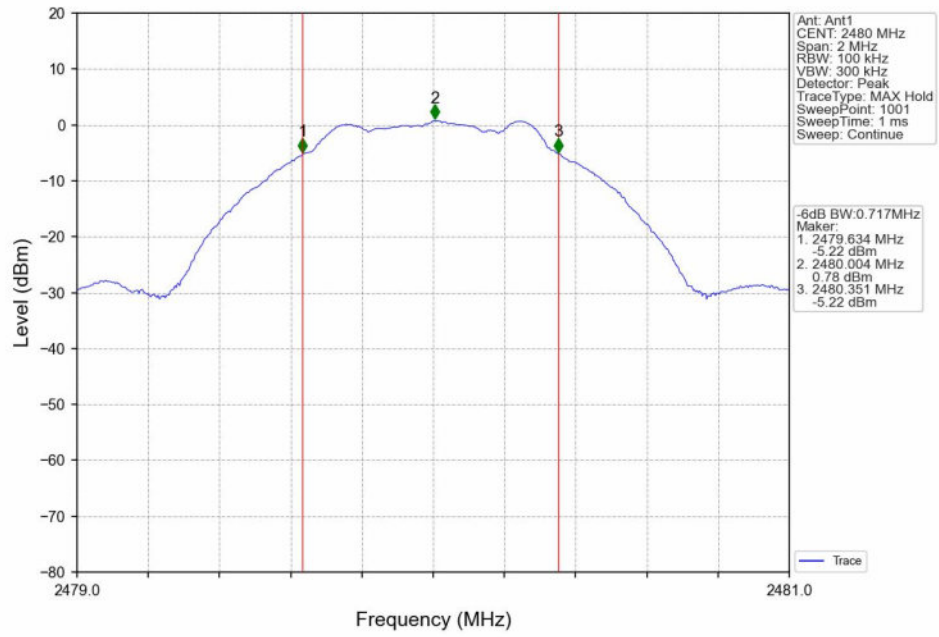
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.717	≥ 0.5	Pass
		2440	1	0.718	≥ 0.5	Pass
		2480	1	0.717	≥ 0.5	Pass
2M	SISO	2402	1	1.178	≥ 0.5	Pass
		2440	1	1.182	≥ 0.5	Pass
		2480	1	1.181	≥ 0.5	Pass

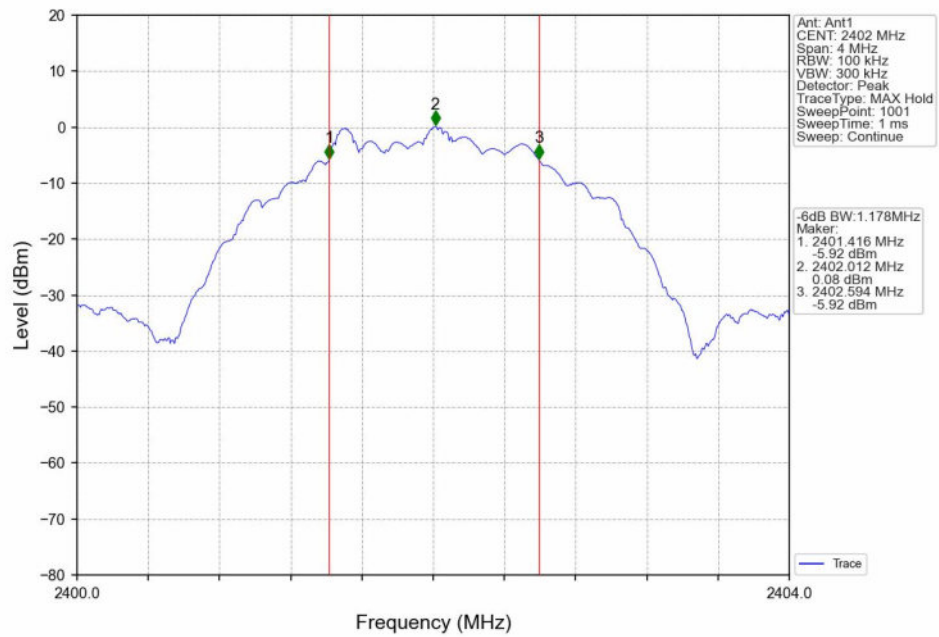
1.2.2 Test Graph



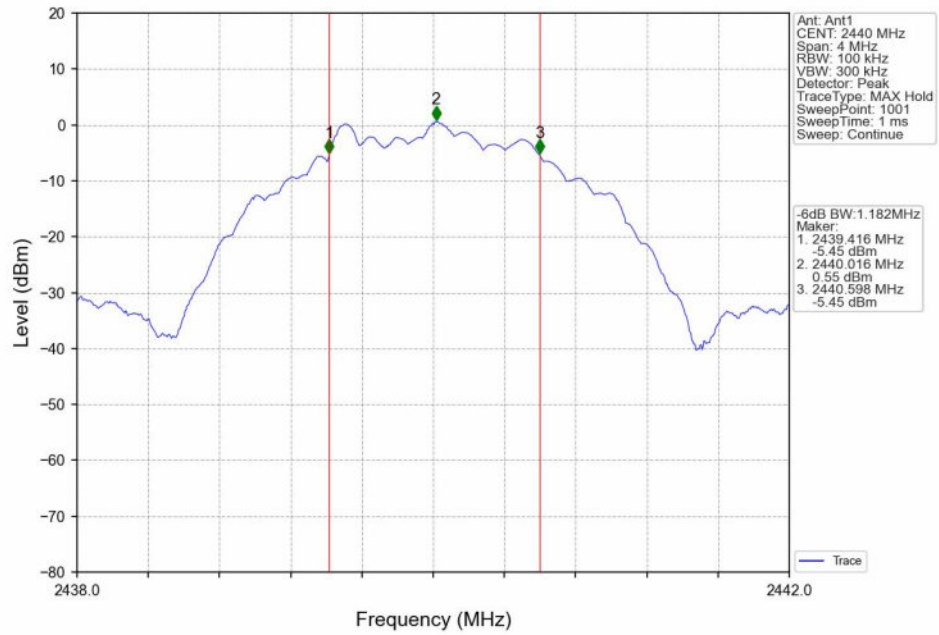
1M_HCH_2480MHz_Ant1_NTNV



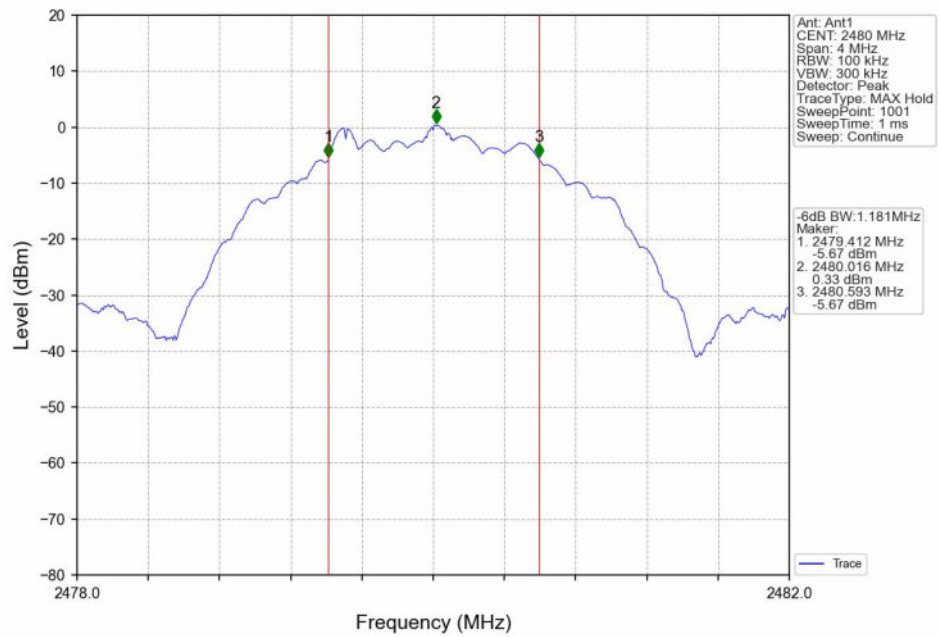
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



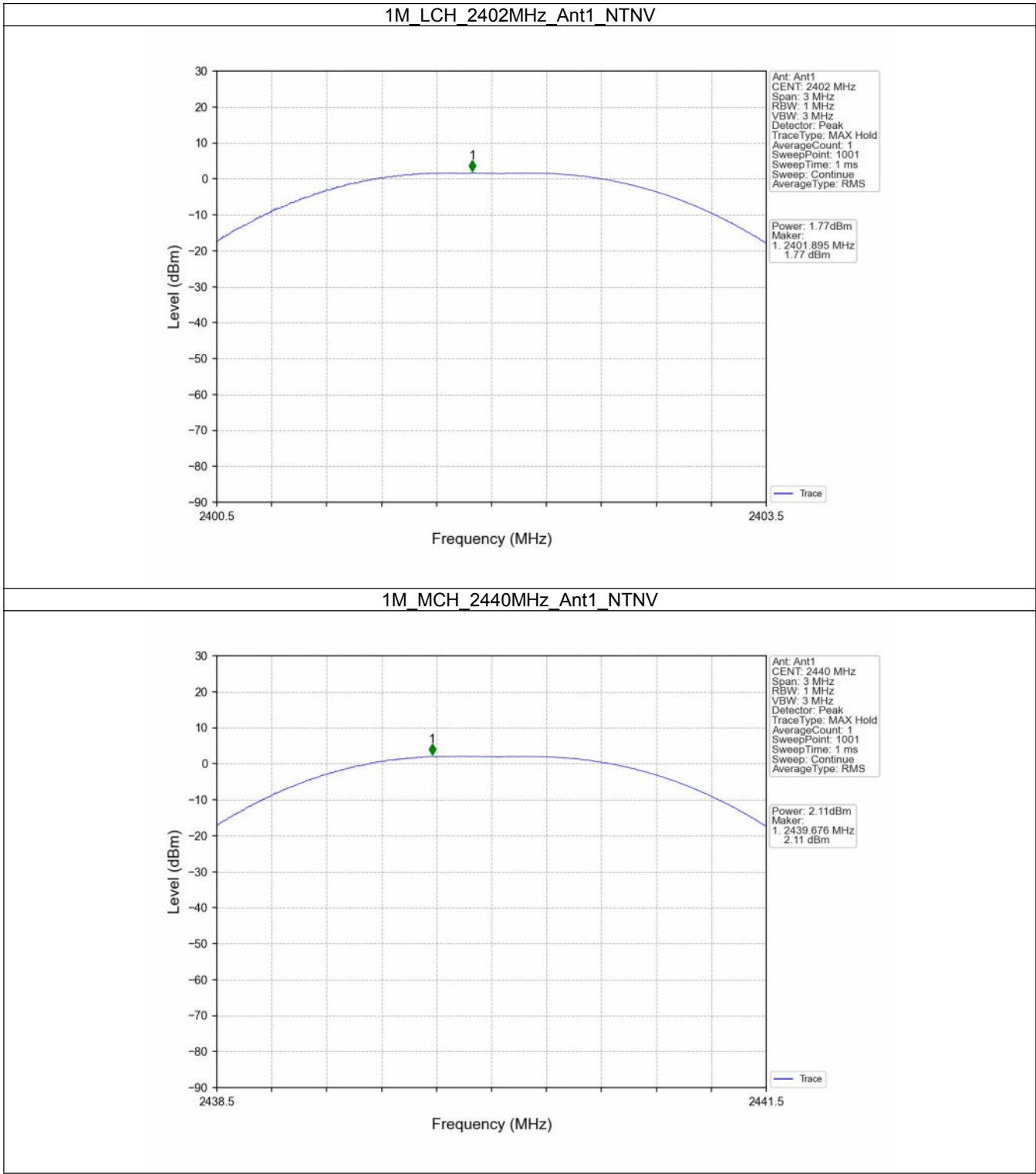
2. Maximum Conducted Output Power

2.1 Power

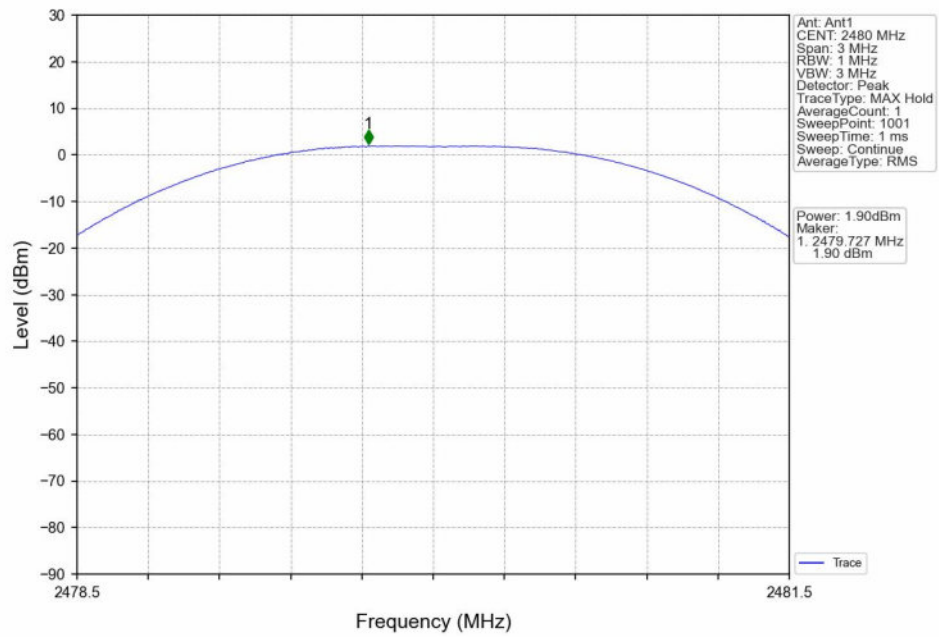
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	1.77	<=30	Pass
		2440	2.11	<=30	Pass
		2480	1.90	<=30	Pass
2M	SISO	2402	1.61	<=30	Pass
		2440	2.04	<=30	Pass
		2480	1.82	<=30	Pass
Note1: Antenna Gain: Ant1: 2.39dBi;					

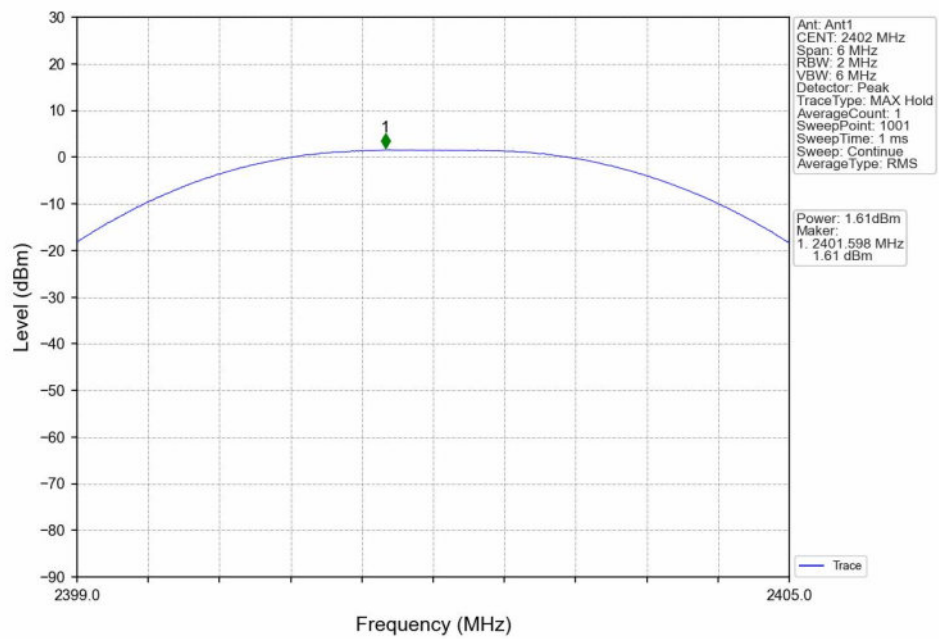
2.1.2 Test Graph



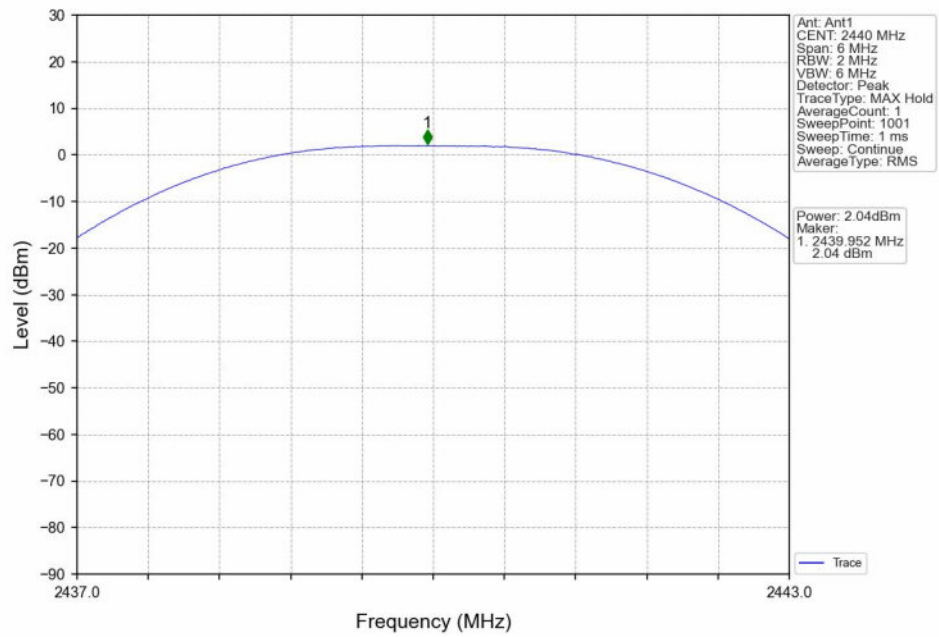
1M_HCH_2480MHz_Ant1_NTNV



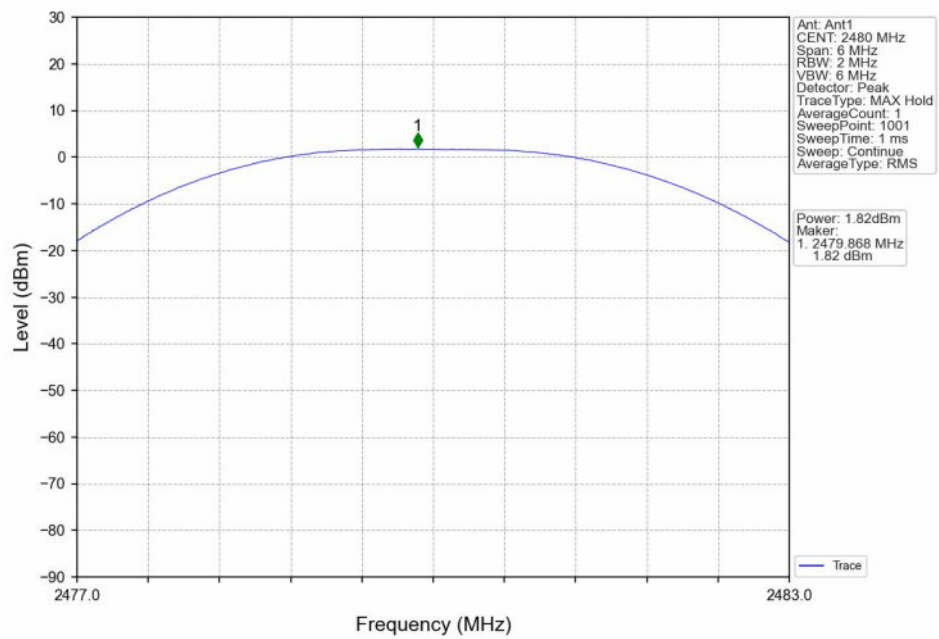
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



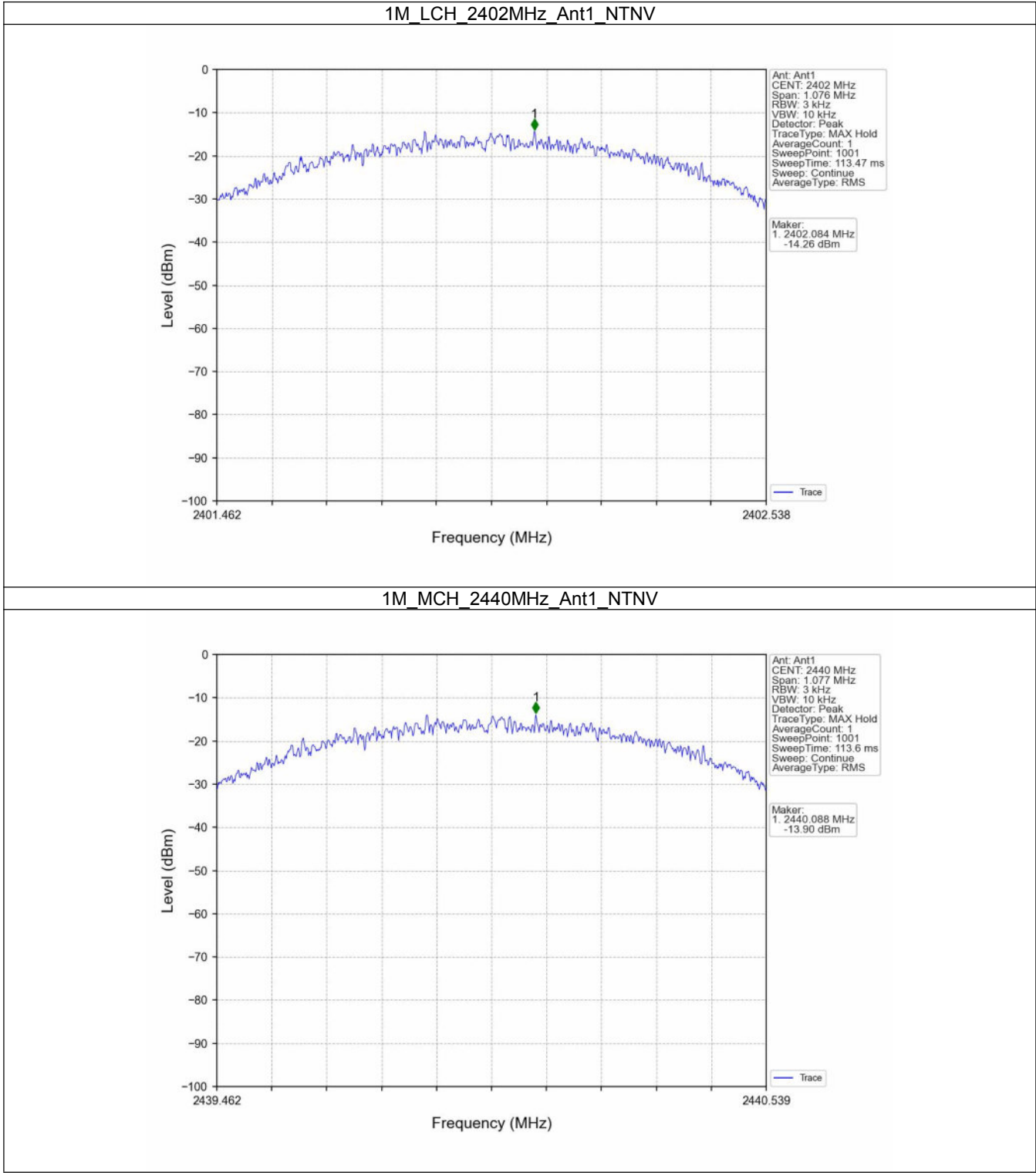
3. Maximum Power Spectral Density

3.1 PSD

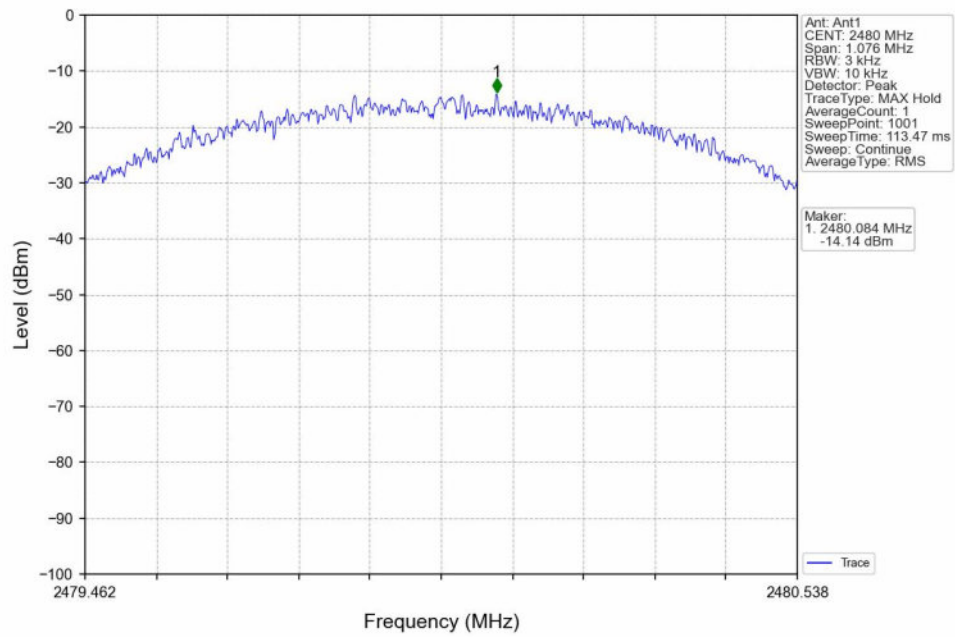
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-14.26	<=8	Pass
		2440	-13.90	<=8	Pass
		2480	-14.14	<=8	Pass
2M	SISO	2402	-17.81	<=8	Pass
		2440	-17.50	<=8	Pass
		2480	-17.39	<=8	Pass
Note1: Antenna Gain: Ant1: 2.39dBi;					

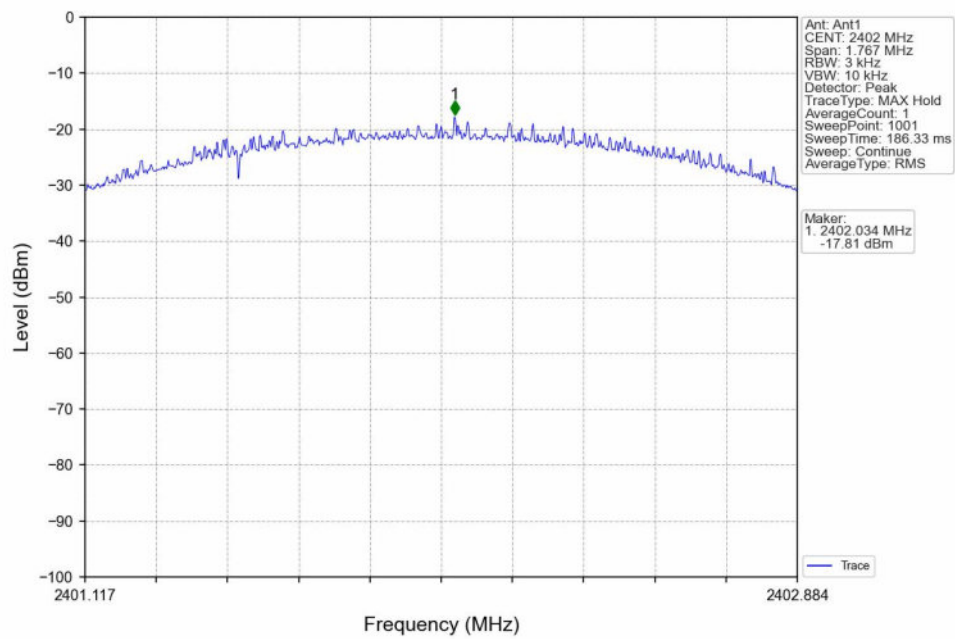
3.1.2 Test Graph



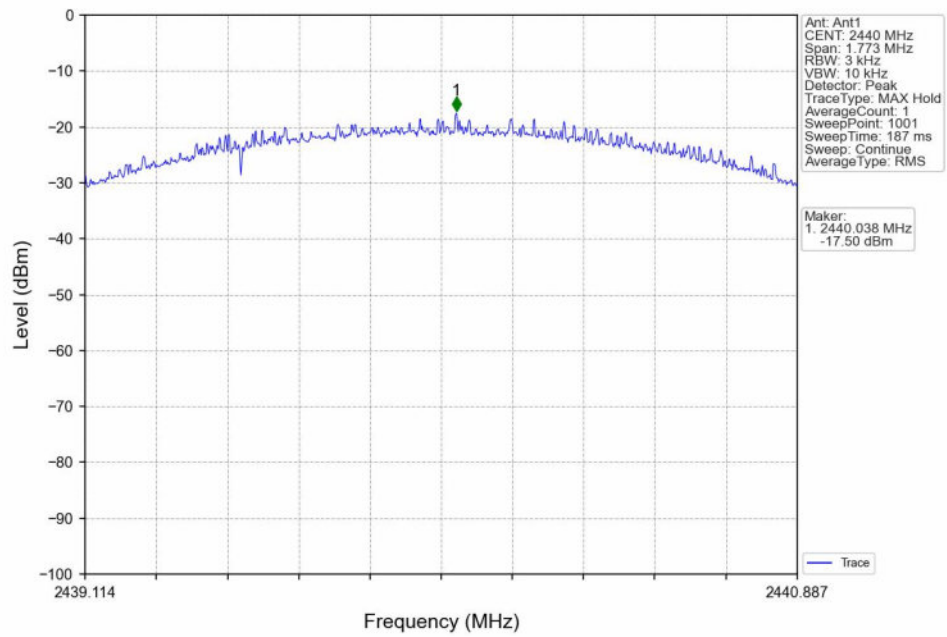
1M_HCH_2480MHz_Ant1_NTNV



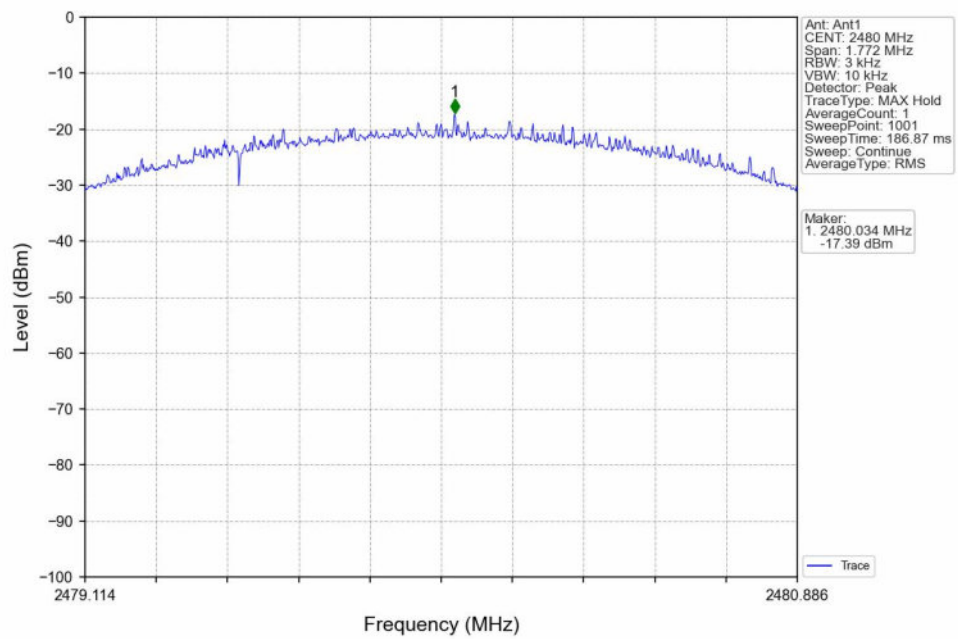
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



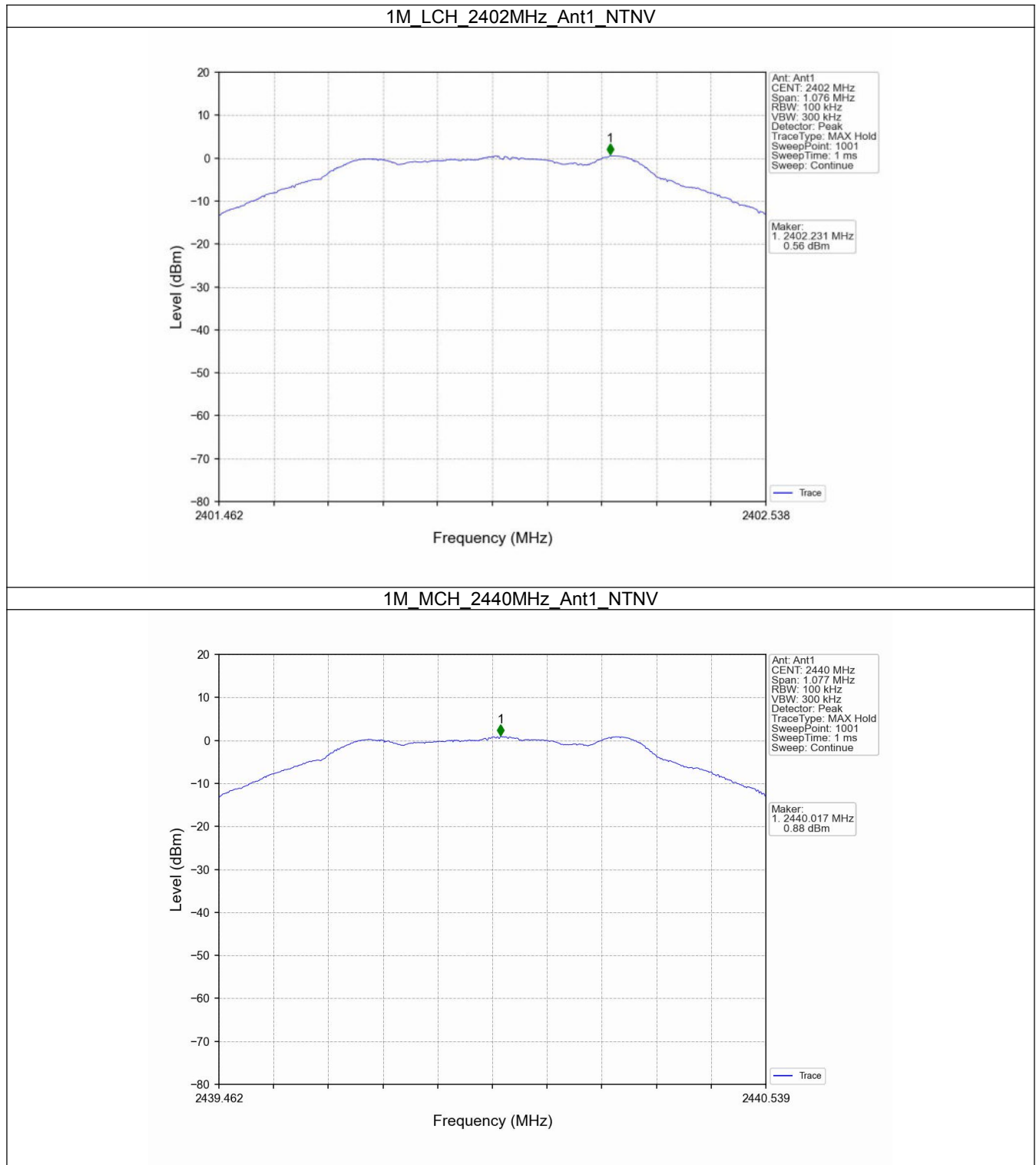
4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Ref

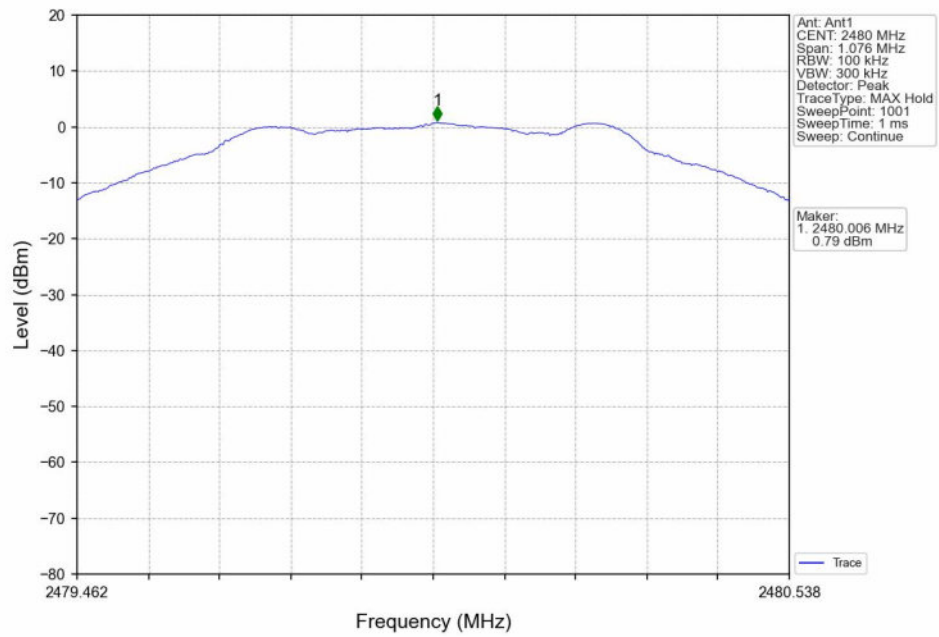
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	0.56
		2440	1	0.88
		2480	1	0.79
2M	SISO	2402	1	0.07
		2440	1	0.39
		2480	1	0.27
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.				

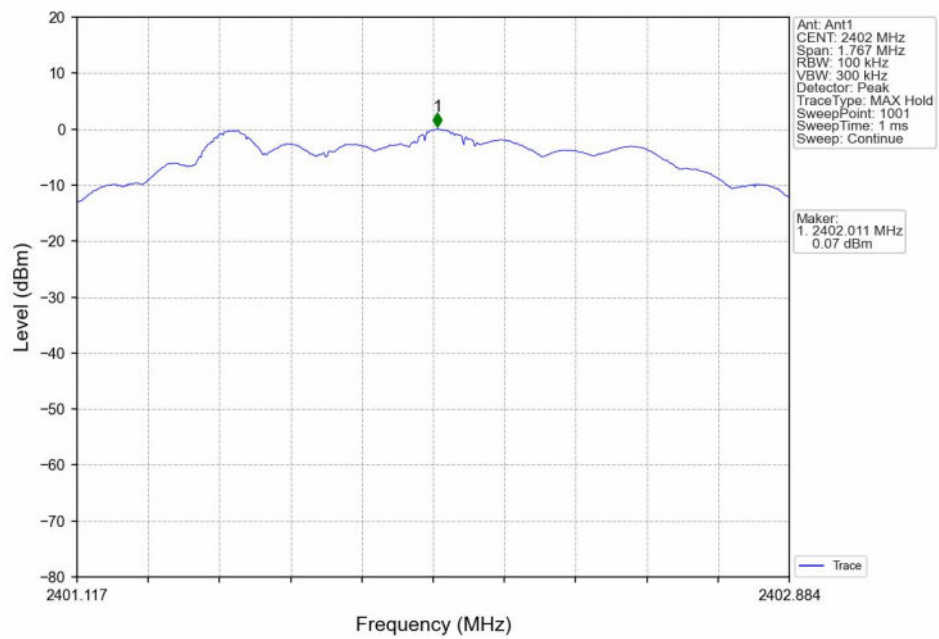
4.1.2 Test Graph



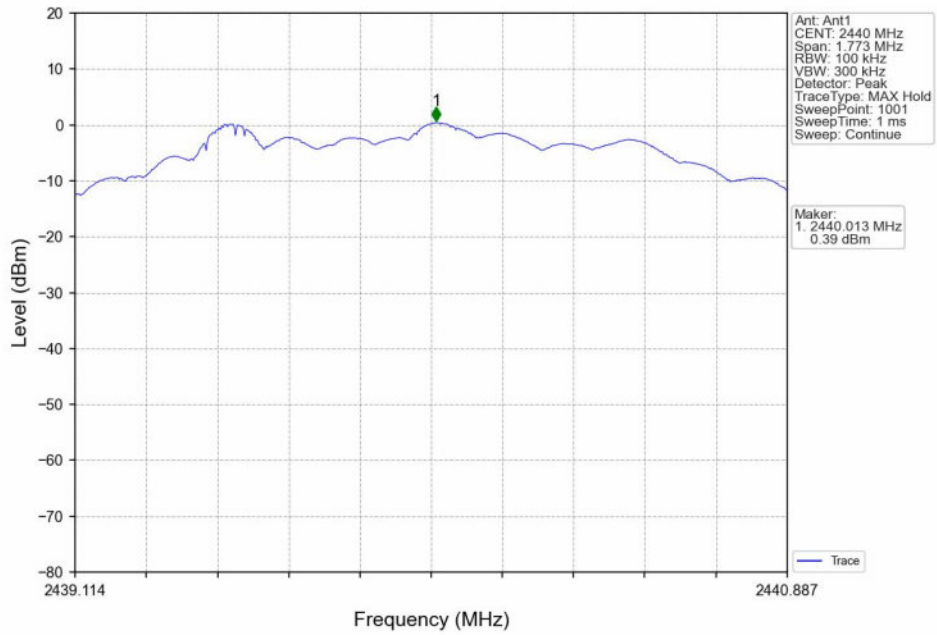
1M_HCH_2480MHz_Ant1_NTNV



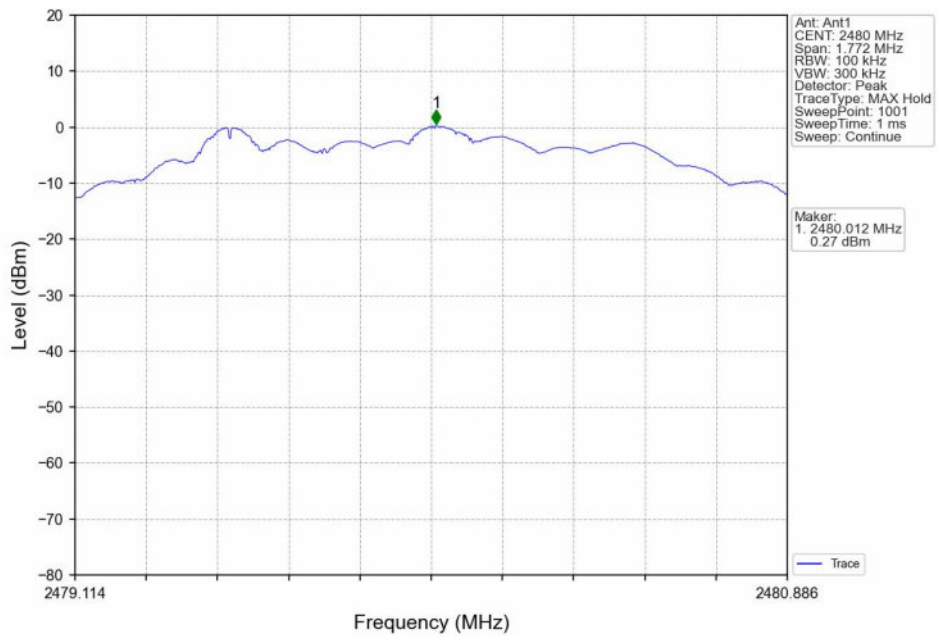
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV

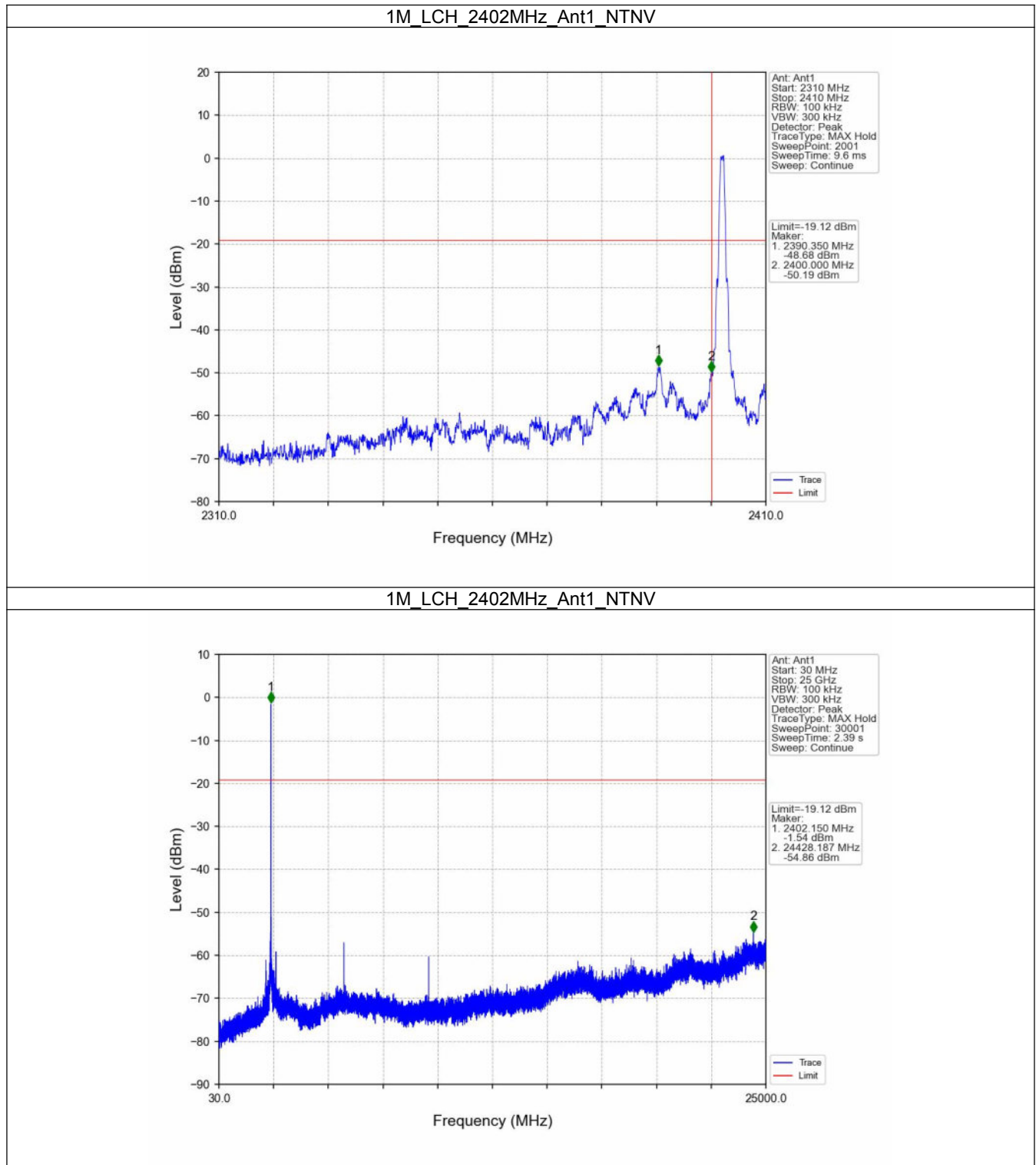


4.2 CSE

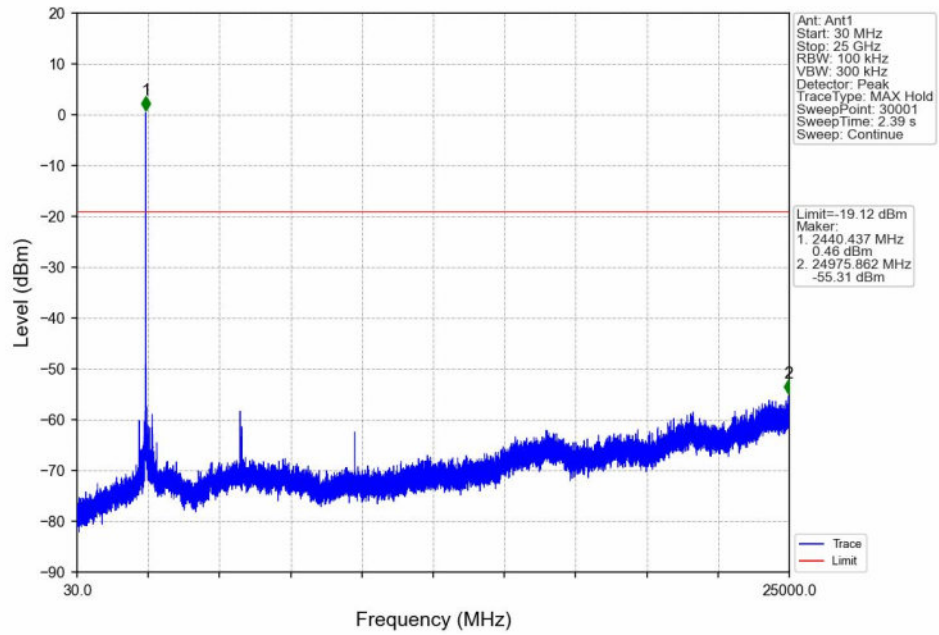
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	0.88	-19.12	Pass
		2440	1	0.88	-19.12	Pass
		2480	1	0.88	-19.12	Pass
2M	SISO	2402	1	0.39	-19.61	Pass
		2440	1	0.39	-19.61	Pass
		2480	1	0.39	-19.61	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.						

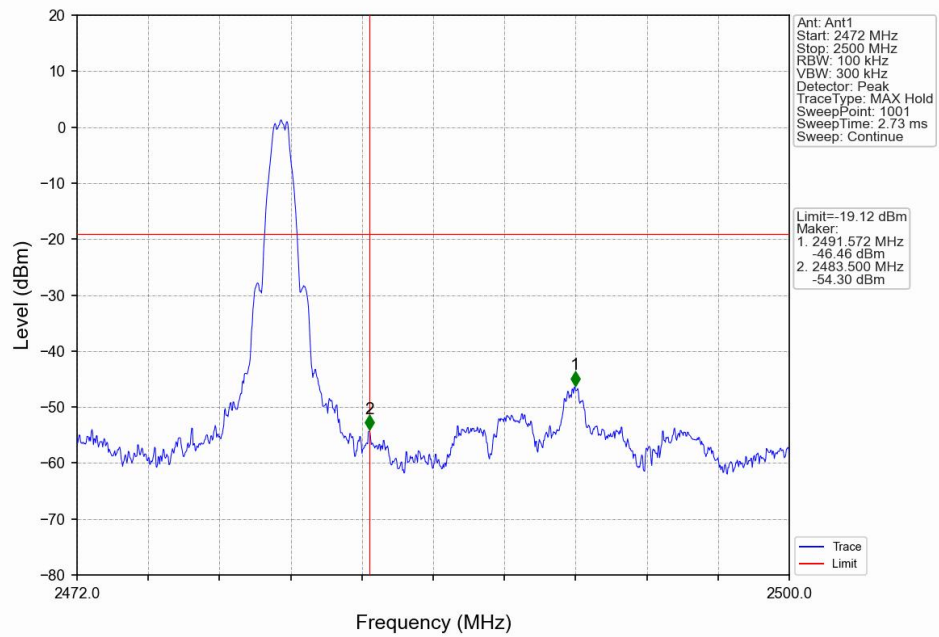
4.2.2 Test Graph



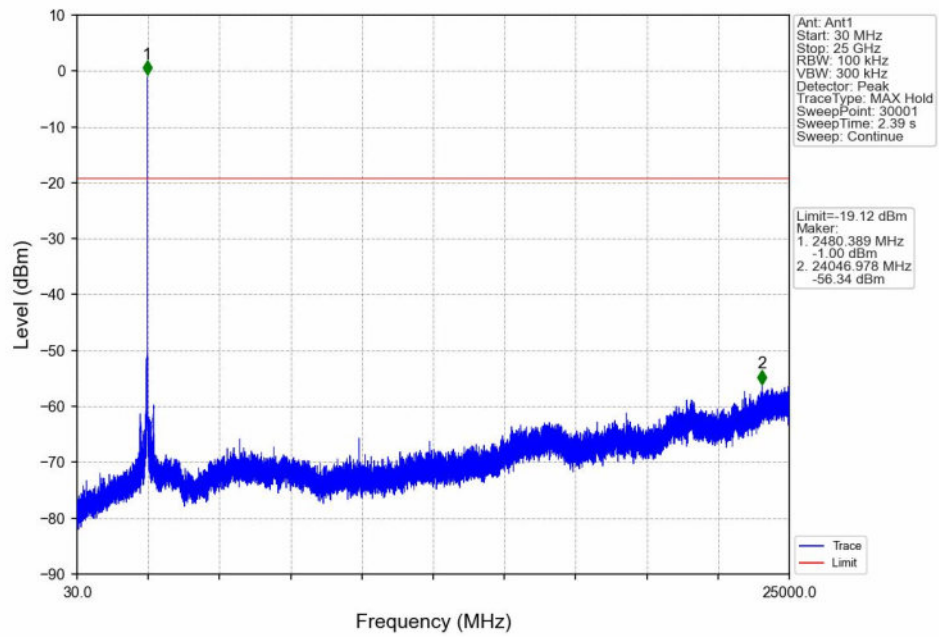
1M_MCH_2440MHz_Ant1_NTNV



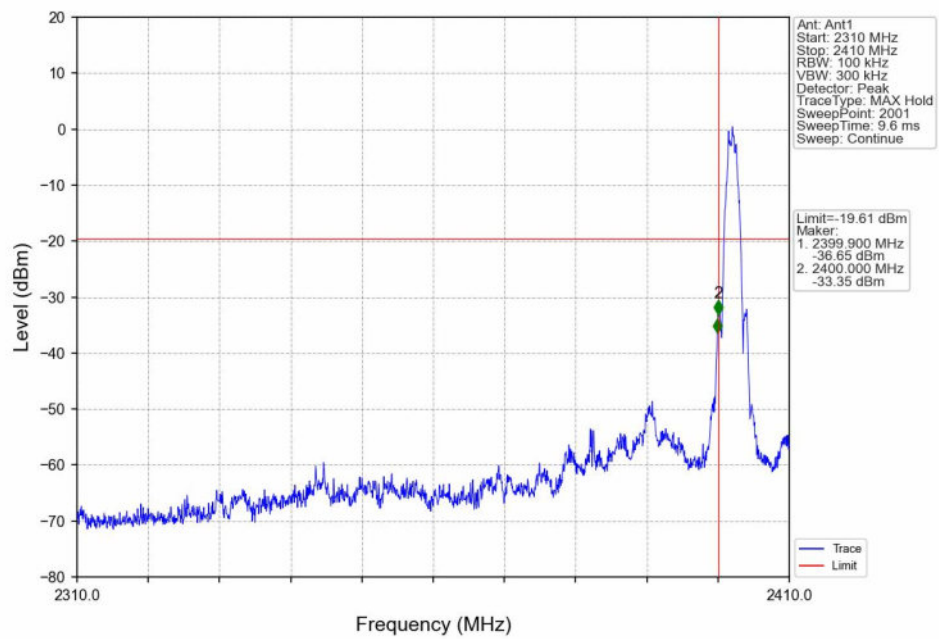
1M_HCH_2480MHz_Ant1_NTNV



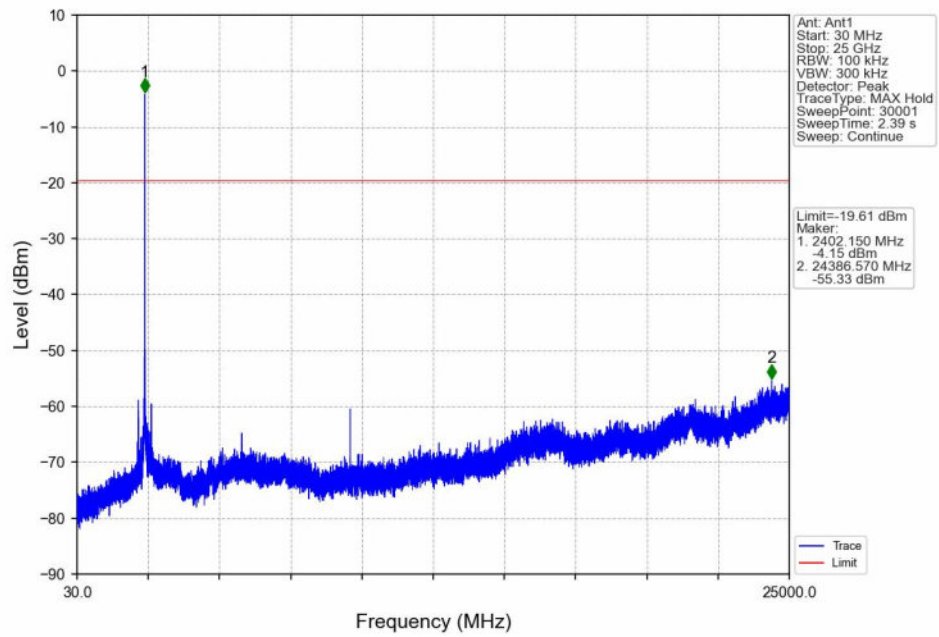
1M_HCH_2480MHz_Ant1_NTNV



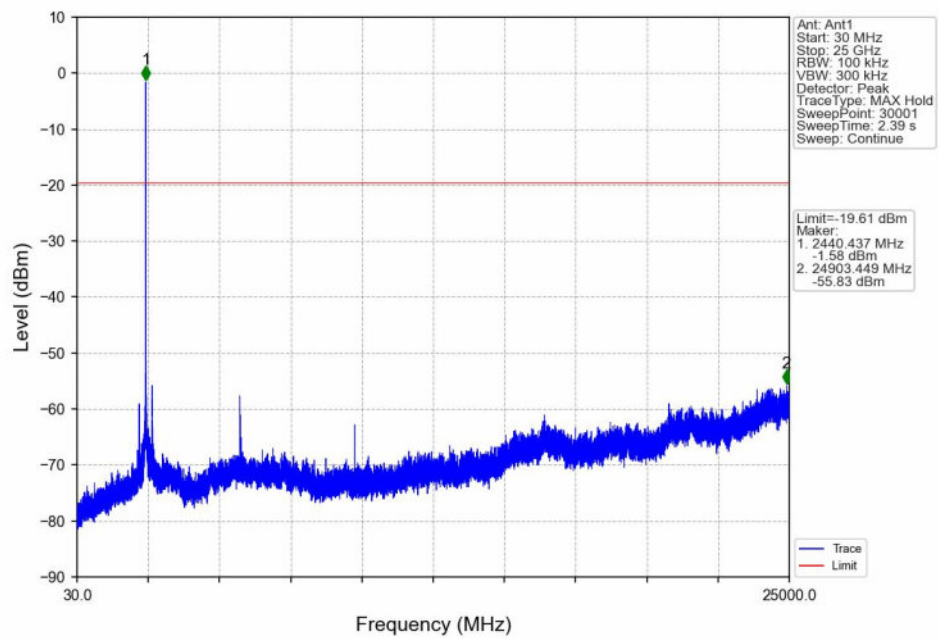
2M_LCH_2402MHz_Ant1_NTNV



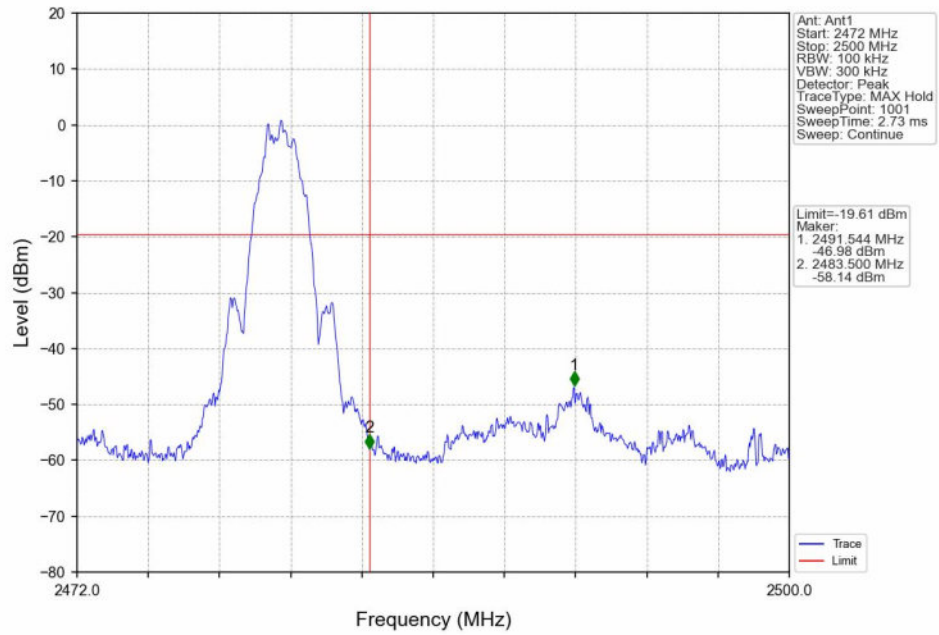
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV

