

Appendix RF test data for BLE

1. Duty Cycle

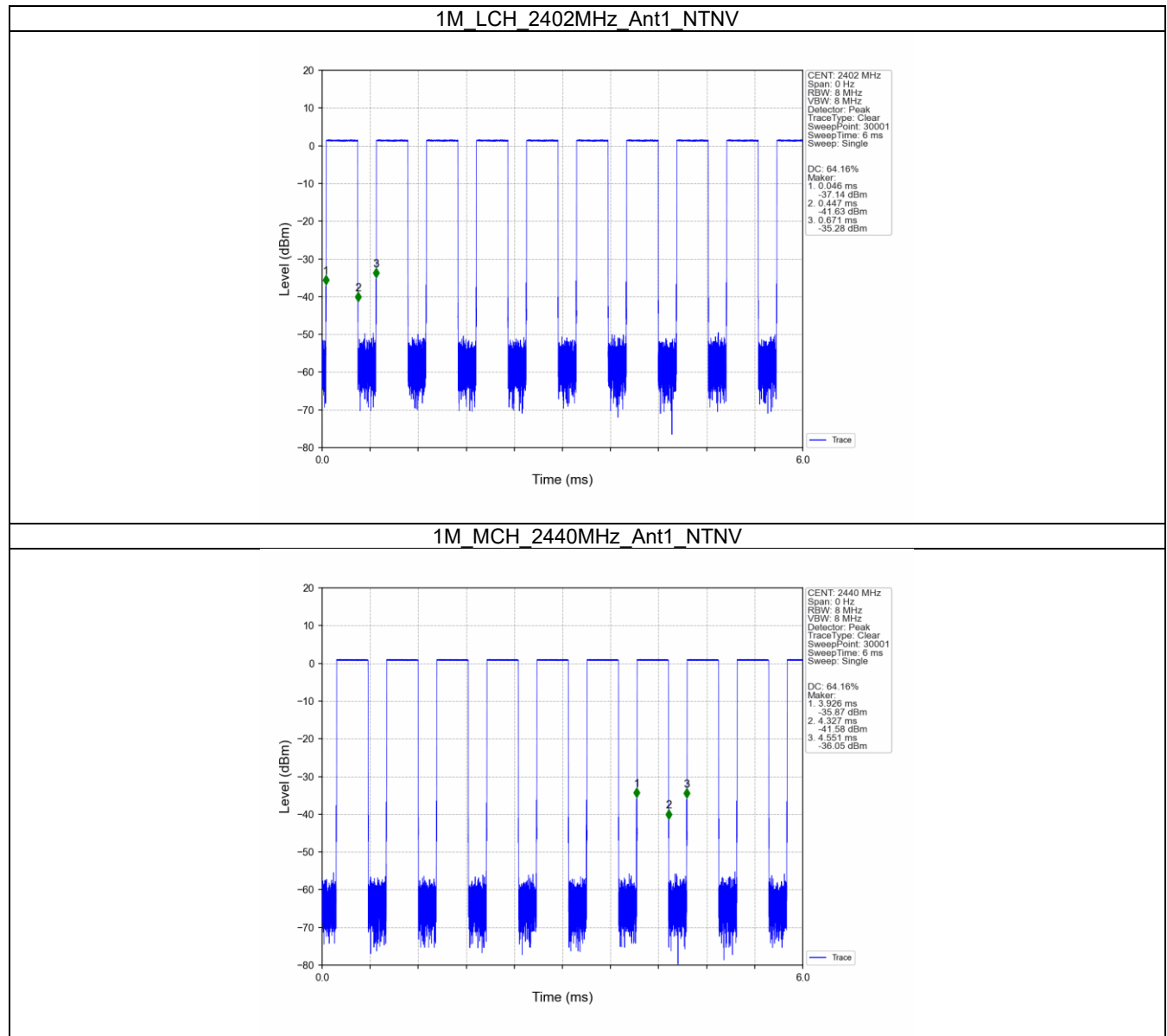
1.1 Test Result

1.1.1 Ant1

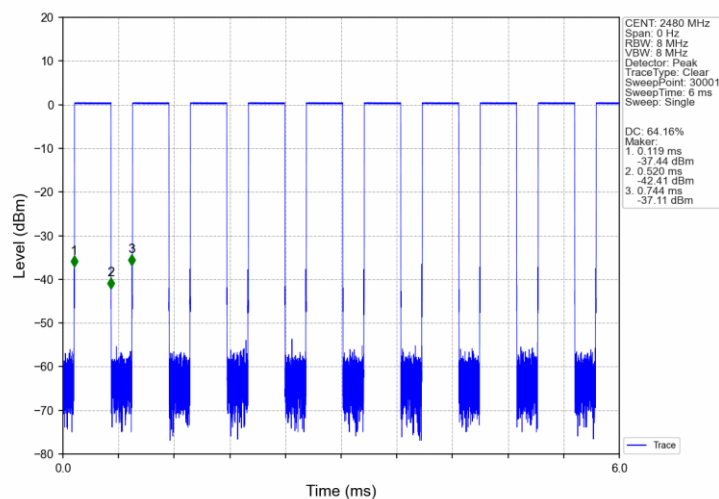
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.401	0.625	64.16	1.93	0.00
		2440	0.401	0.625	64.16	1.93	0.03
		2480	0.401	0.625	64.16	1.93	0.03

1.2 Test Graph

1.2.1 Ant1



1M_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

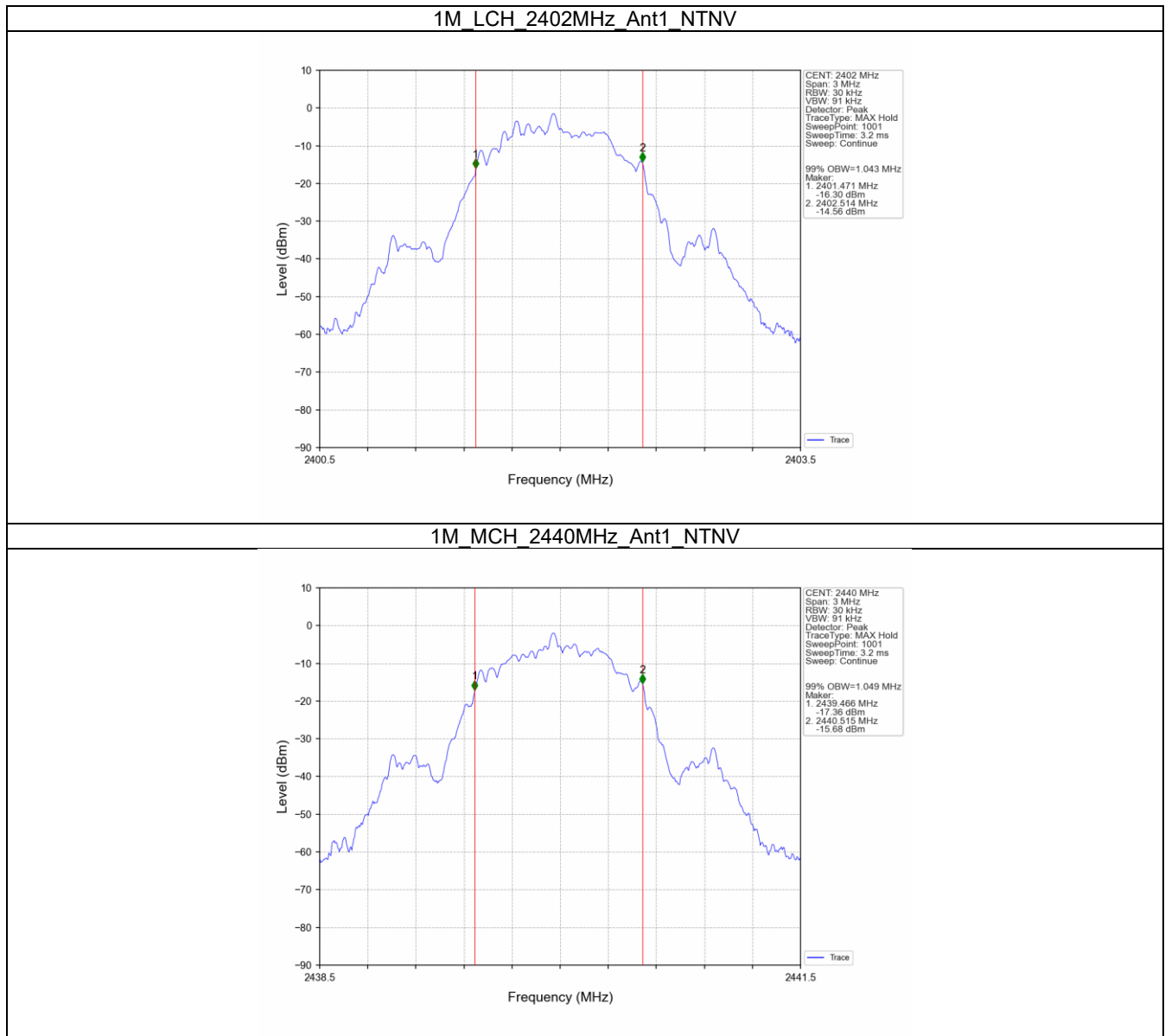
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.043	/	Pass
		2440	1	1.049	/	Pass
		2480	1	1.042	/	Pass

2.1.2 6dB BW

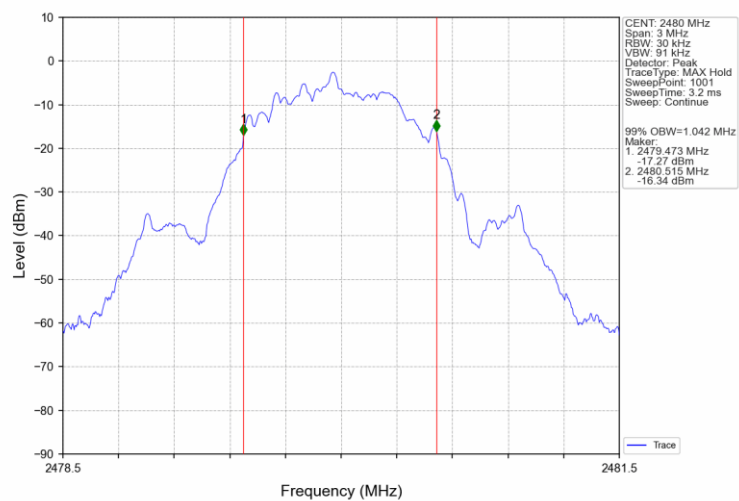
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.728	≥ 0.5	Pass
		2440	1	0.720	≥ 0.5	Pass
		2480	1	0.733	≥ 0.5	Pass

2.2 Test Graph

2.2.1 OBW

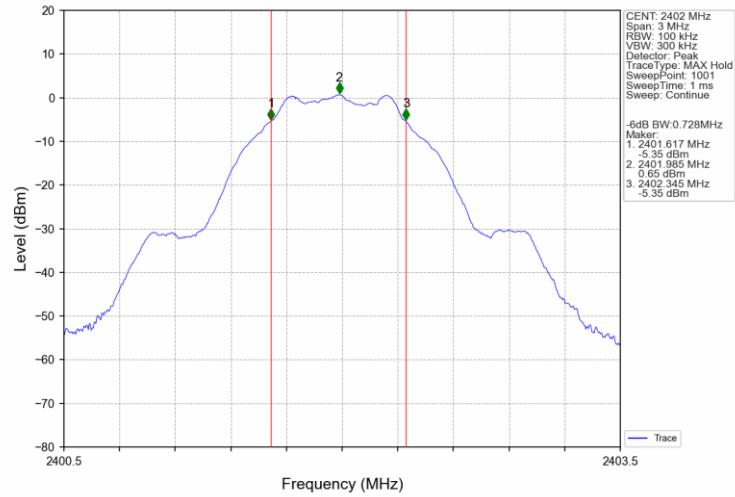


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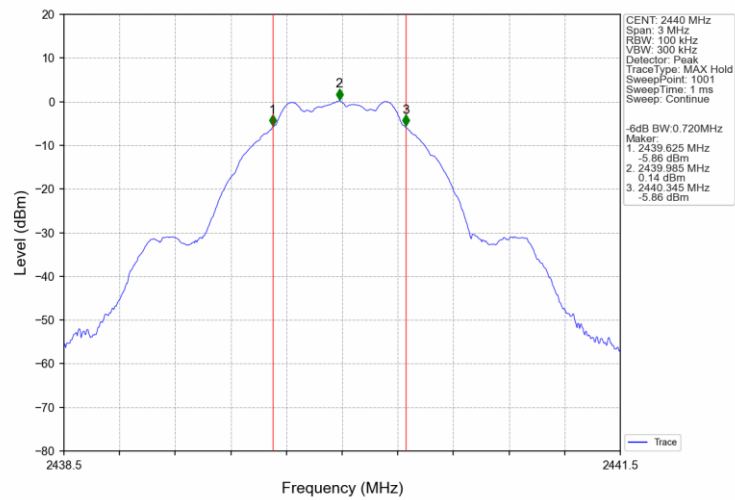


2.2.2 6dB BW

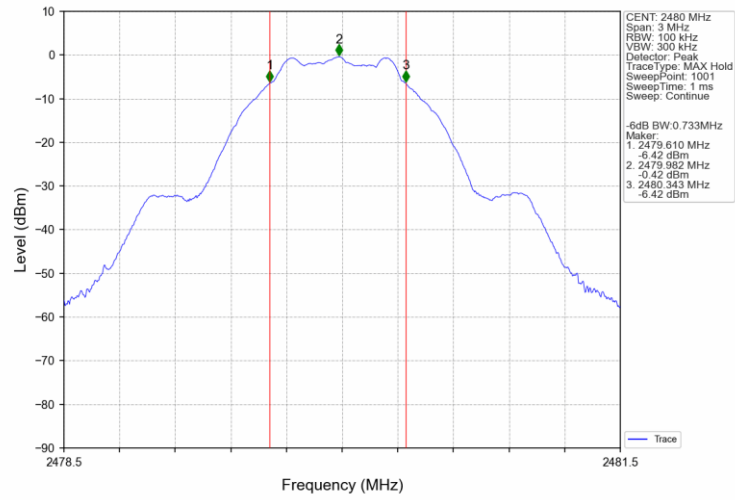
1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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	1.51	<=30	Pass
		2440	0.94	<=30	Pass
		2480	0.44	<=30	Pass
Note1: Antenna Gain: Ant1: 1.57dBi;					

4. Maximum Power Spectral Density

4.1 Test Result

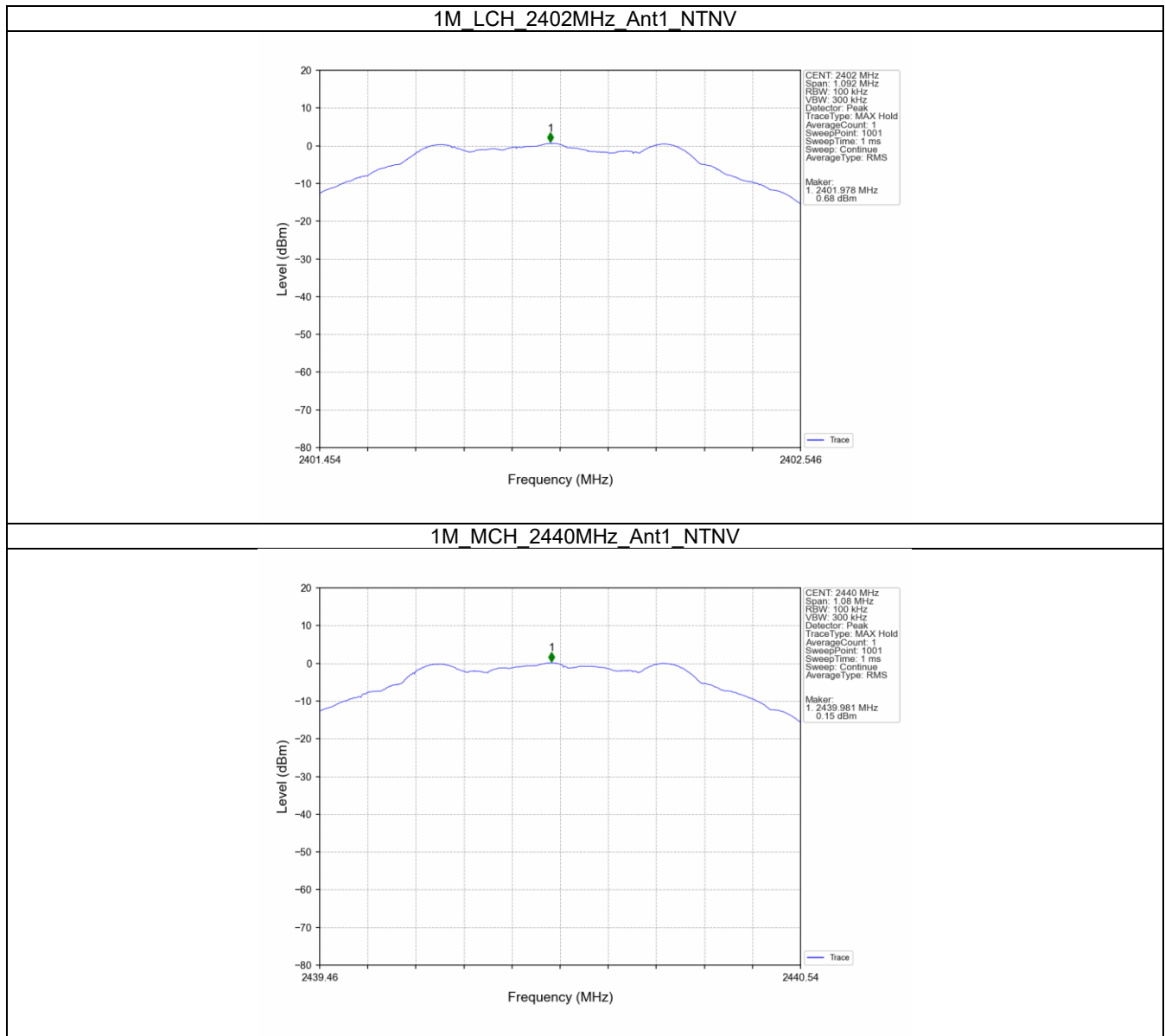
4.1.1 PSD

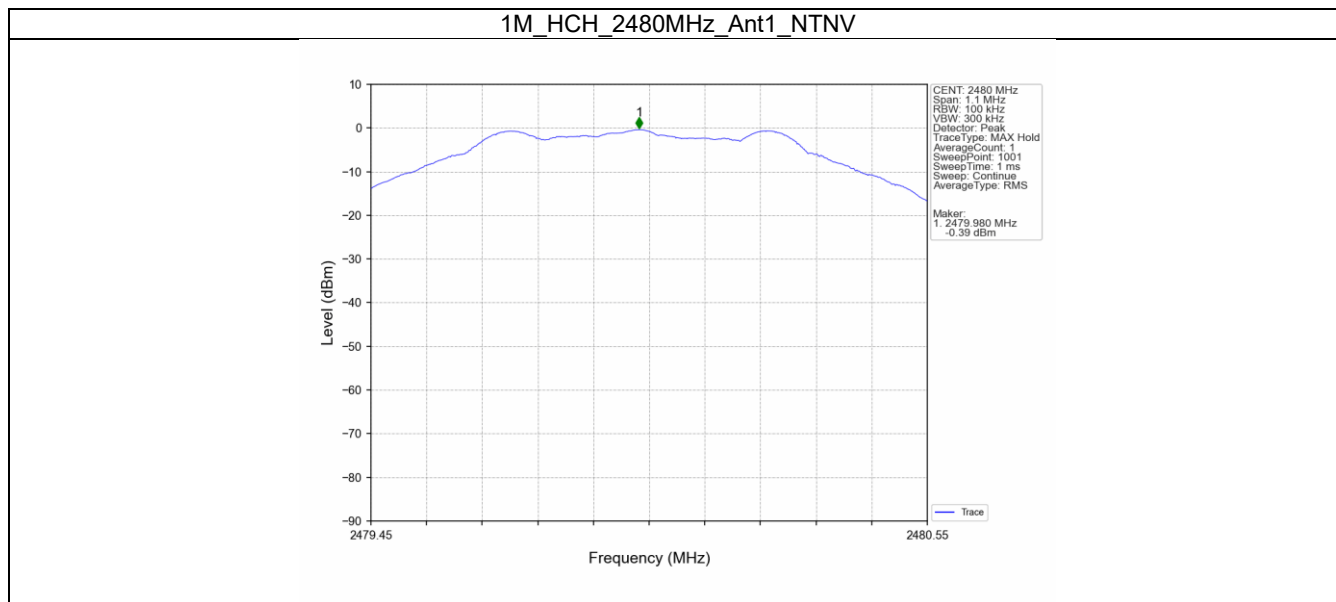
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	0.68	<=8	Pass
		2440	0.15	<=8	Pass
		2480	-0.39	<=8	Pass

Note1: Antenna Gain: Ant1: 1.57dBi;

4.2 Test Graph

4.2.1 PSD

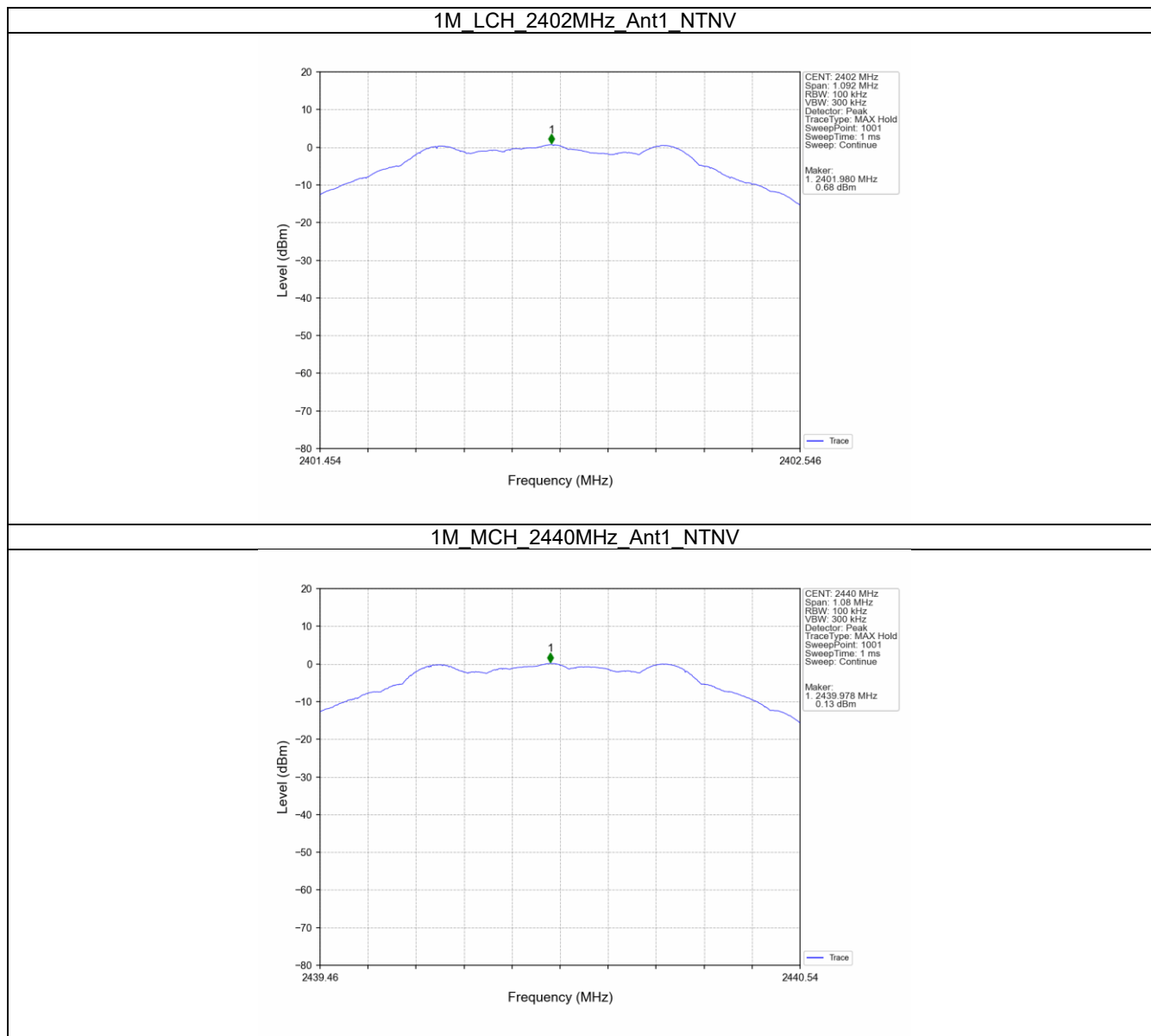




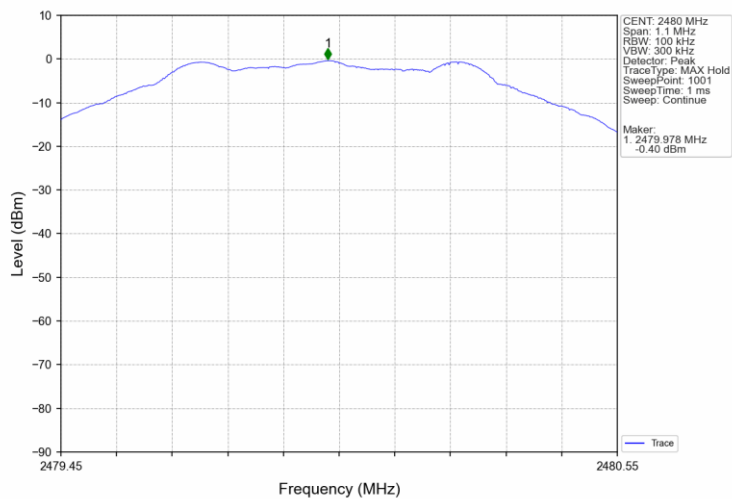
5. Unwanted Emissions In Non-restricted Frequency Bands

5.2 Test Graph

5.2.1 Ref

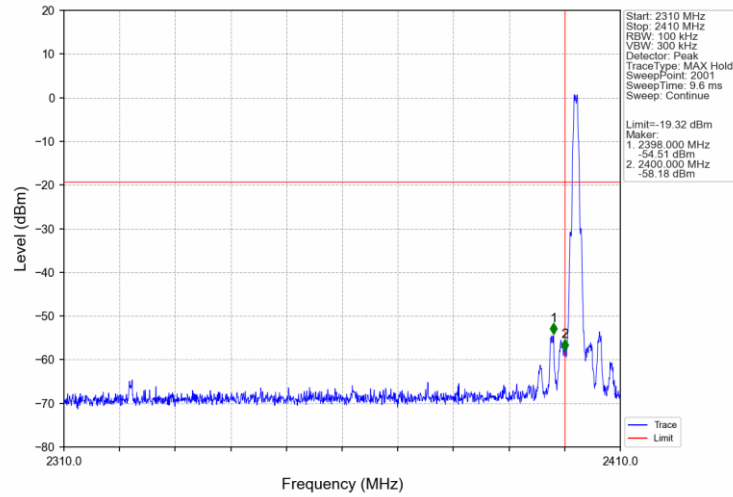


1M_HCH_2480MHz_Ant1_NTNV

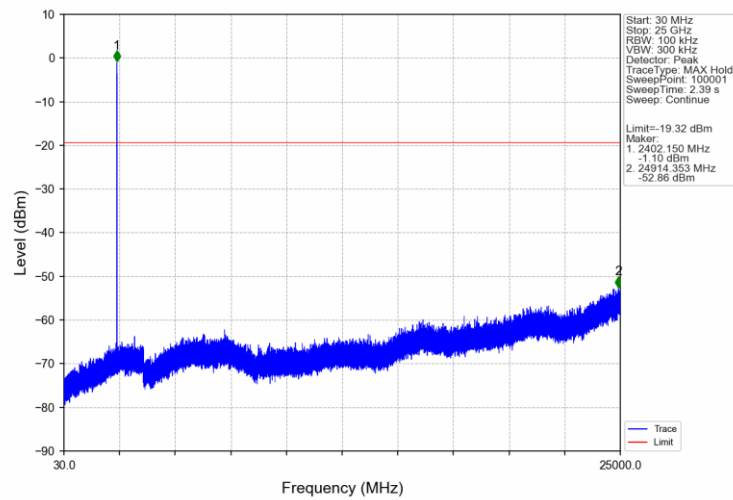


5.2.2 CSE

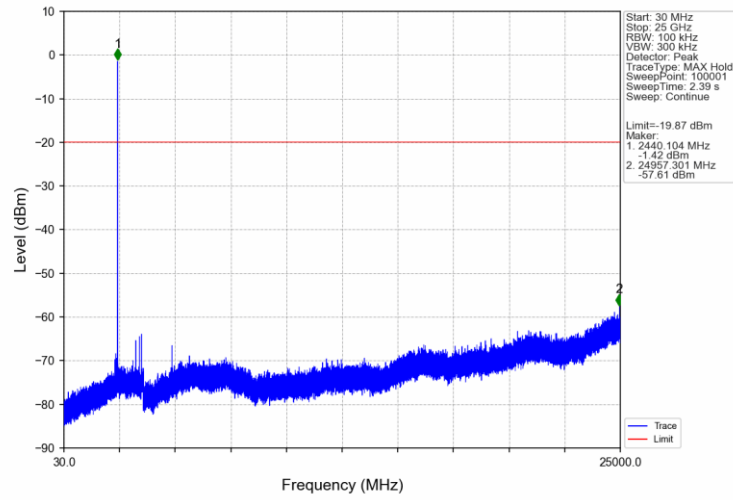
1M_LCH_2402MHz_Ant1_NTNV



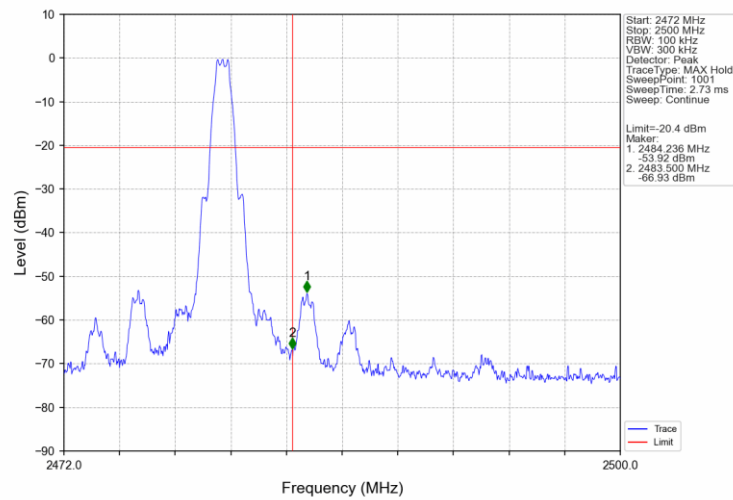
1M_LCH_2402MHz_Ant1_NTNV

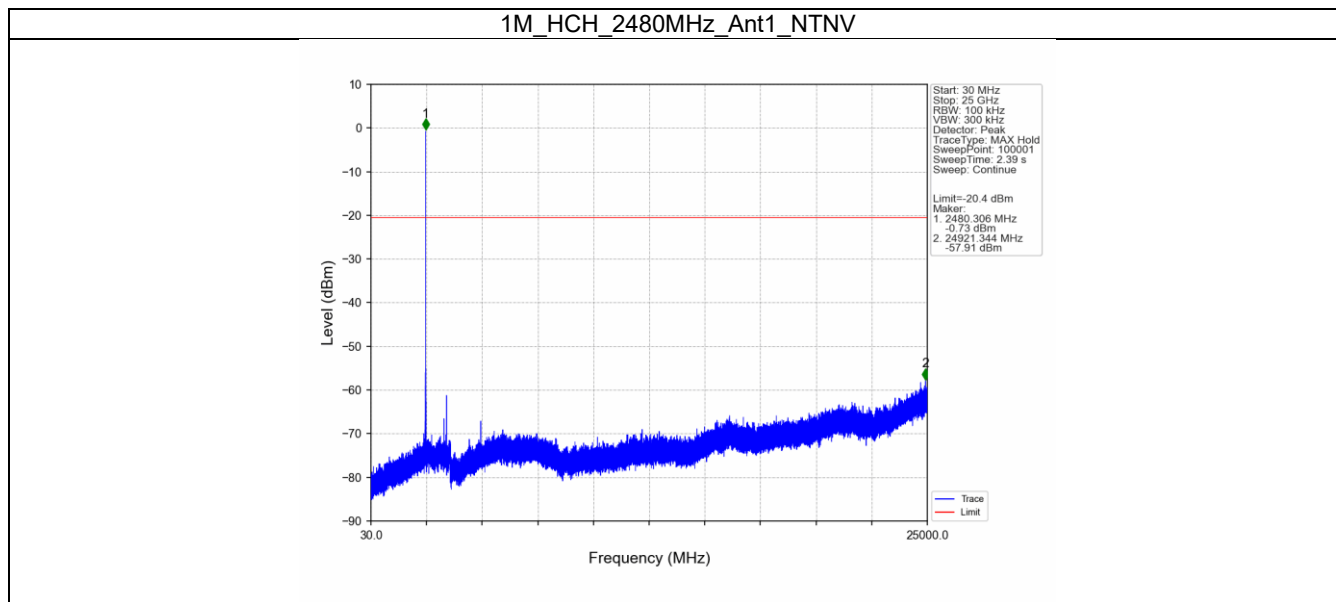


1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV





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