

Appendix RF Test Data for ZIGBEE

Company: : Hangzhou Adaprox Intelligent Technology Co., Ltd.
EUT : Curtain Robot
FCC ID : 2A2X5-ADBMZ001
Model Number : ADBMZ001
Report No. : HTT202603942F01
Reviewed By : Heber He

1. Duty Cycle

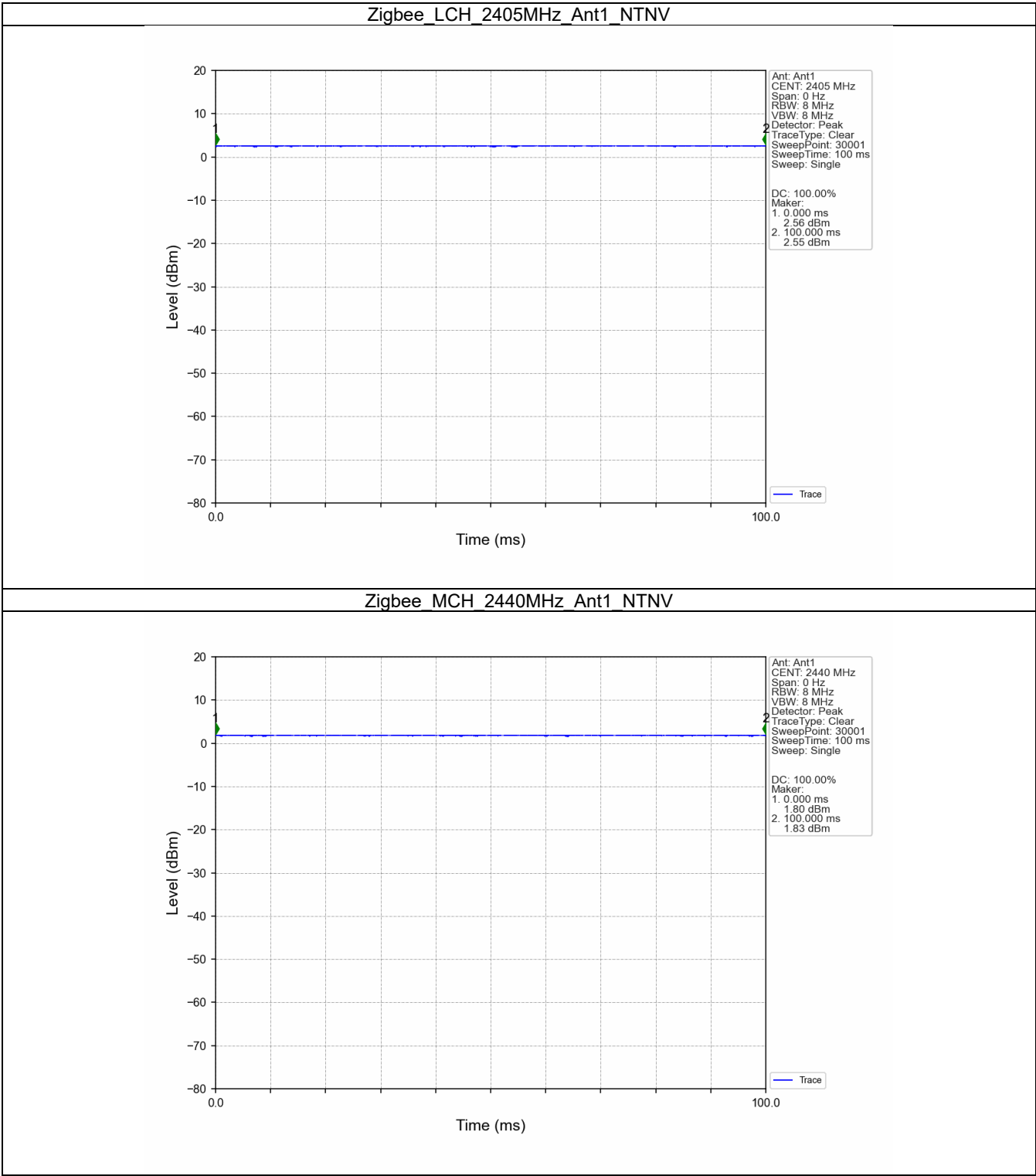
1.1 Test Result

1.1.1 Ant1

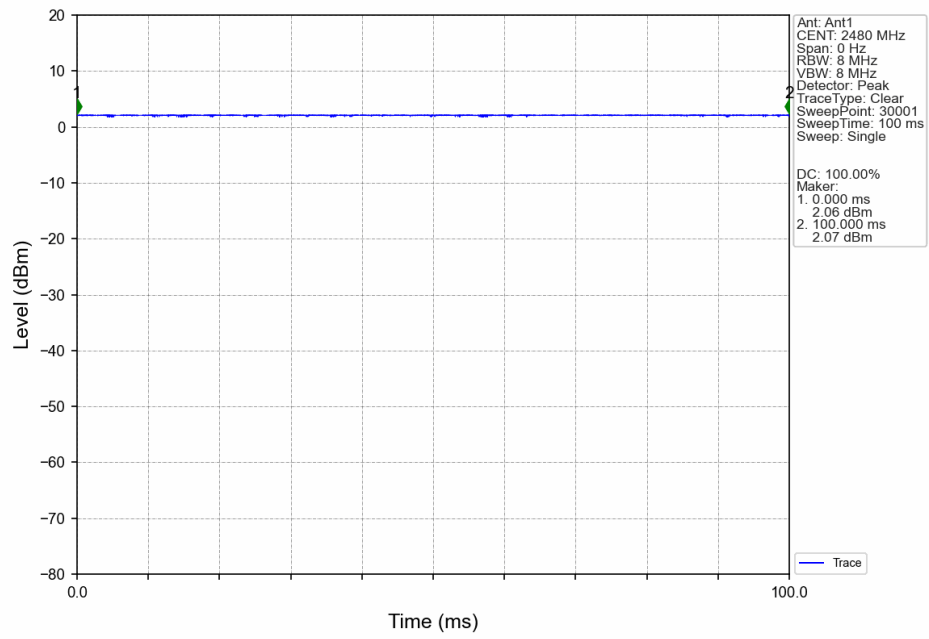
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
Zigbee	SISO	2405	100.000	100.000	100.00	0.00	0.00
		2440	100.000	100.000	100.00	0.00	0.00
		2480	100.000	100.000	100.00	0.00	0.00

1.2 Test Graph

1.2.1 Ant1



Zigbee_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

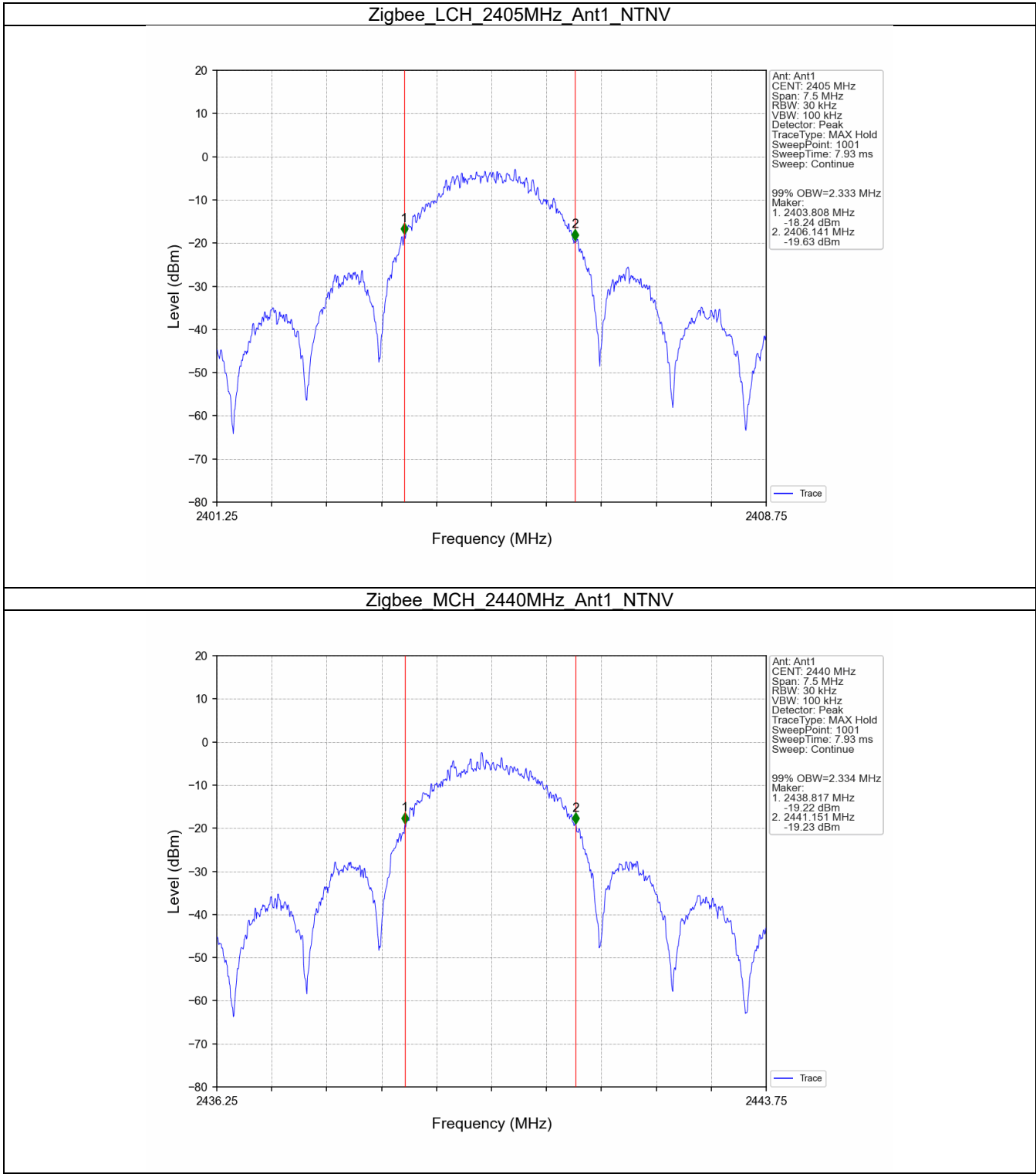
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
Zigbee	SISO	2405	1	2.333	/	Pass
		2440	1	2.334	/	Pass
		2480	1	2.314	/	Pass

2.1.2 6dB BW

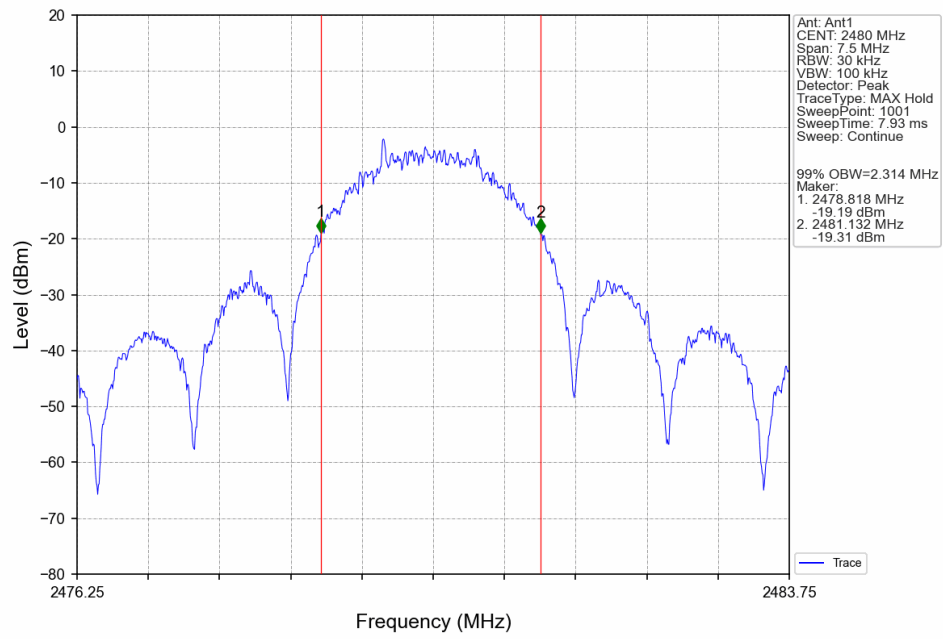
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
Zigbee	SISO	2405	1	1.566	≥ 0.5	Pass
		2440	1	1.489	≥ 0.5	Pass
		2480	1	1.521	≥ 0.5	Pass

2.2 Test Graph

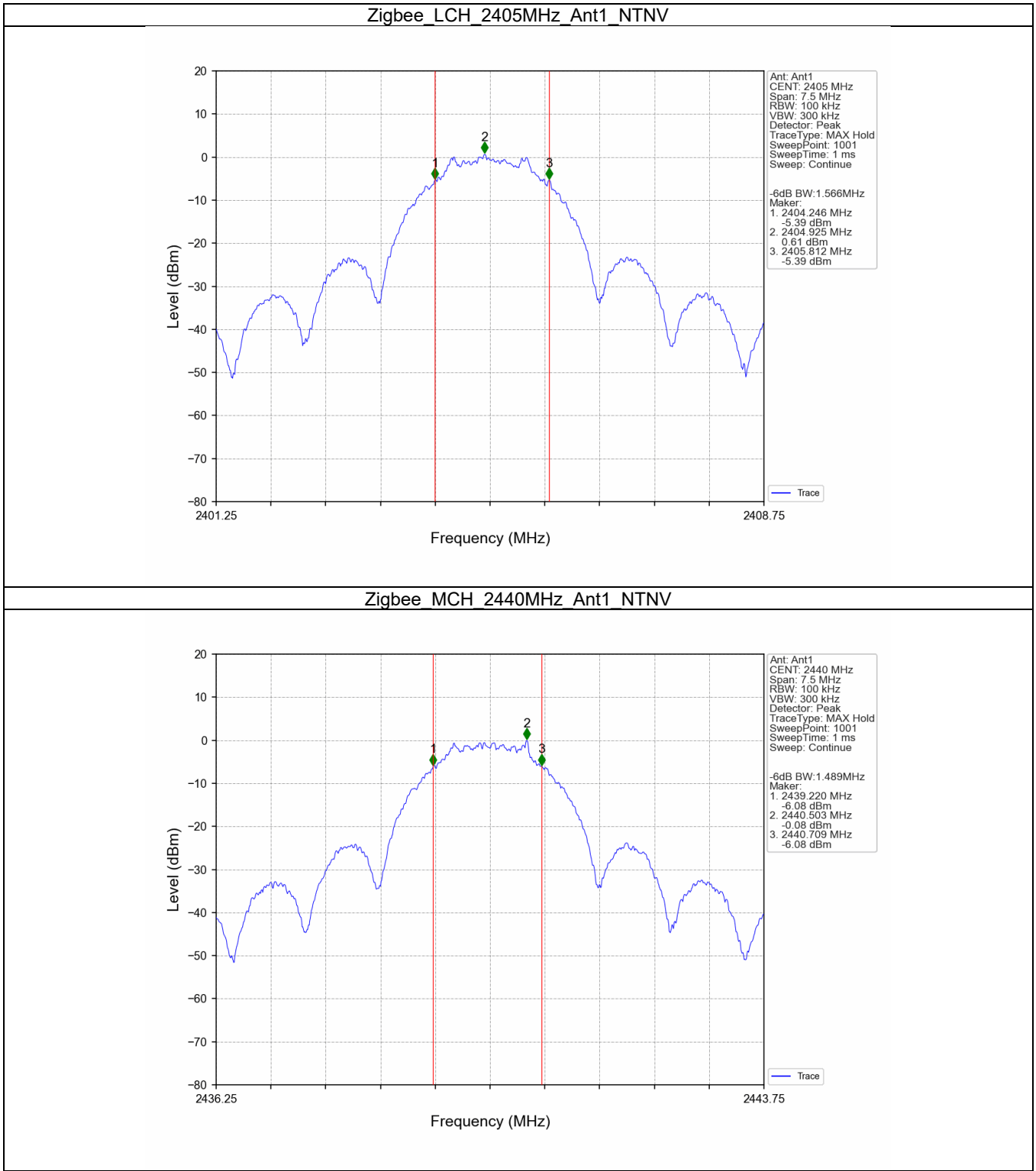
2.2.1 OBW



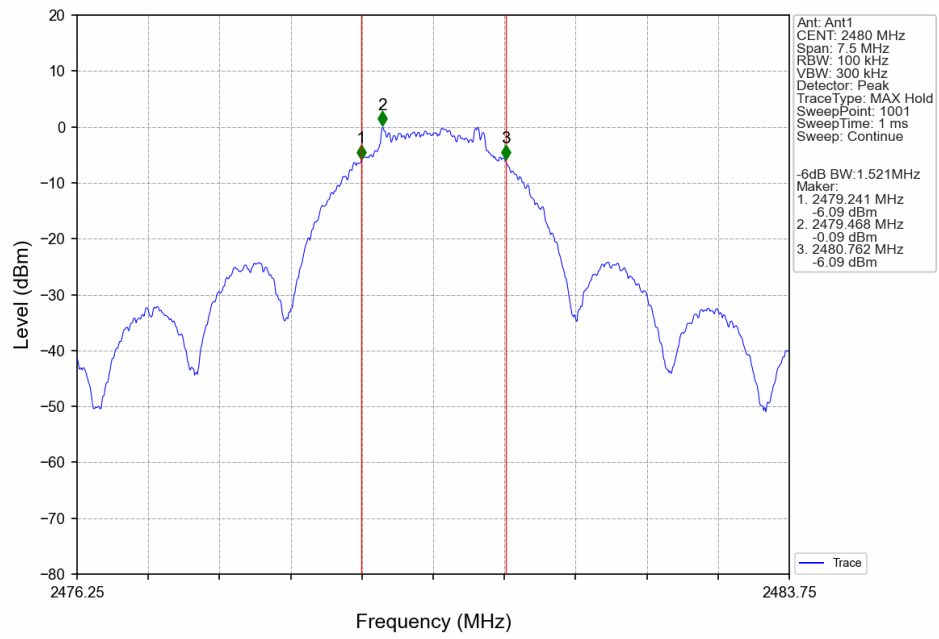
Zigbee_HCH_2480MHz_Ant1_NTNV



2.2.2 6dB BW



Zigbee_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	
Zigbee	SISO	2405	2.42	<=30	Pass
		2440	1.67	<=30	Pass
		2480	1.94	<=30	Pass

4. Maximum Power Spectral Density

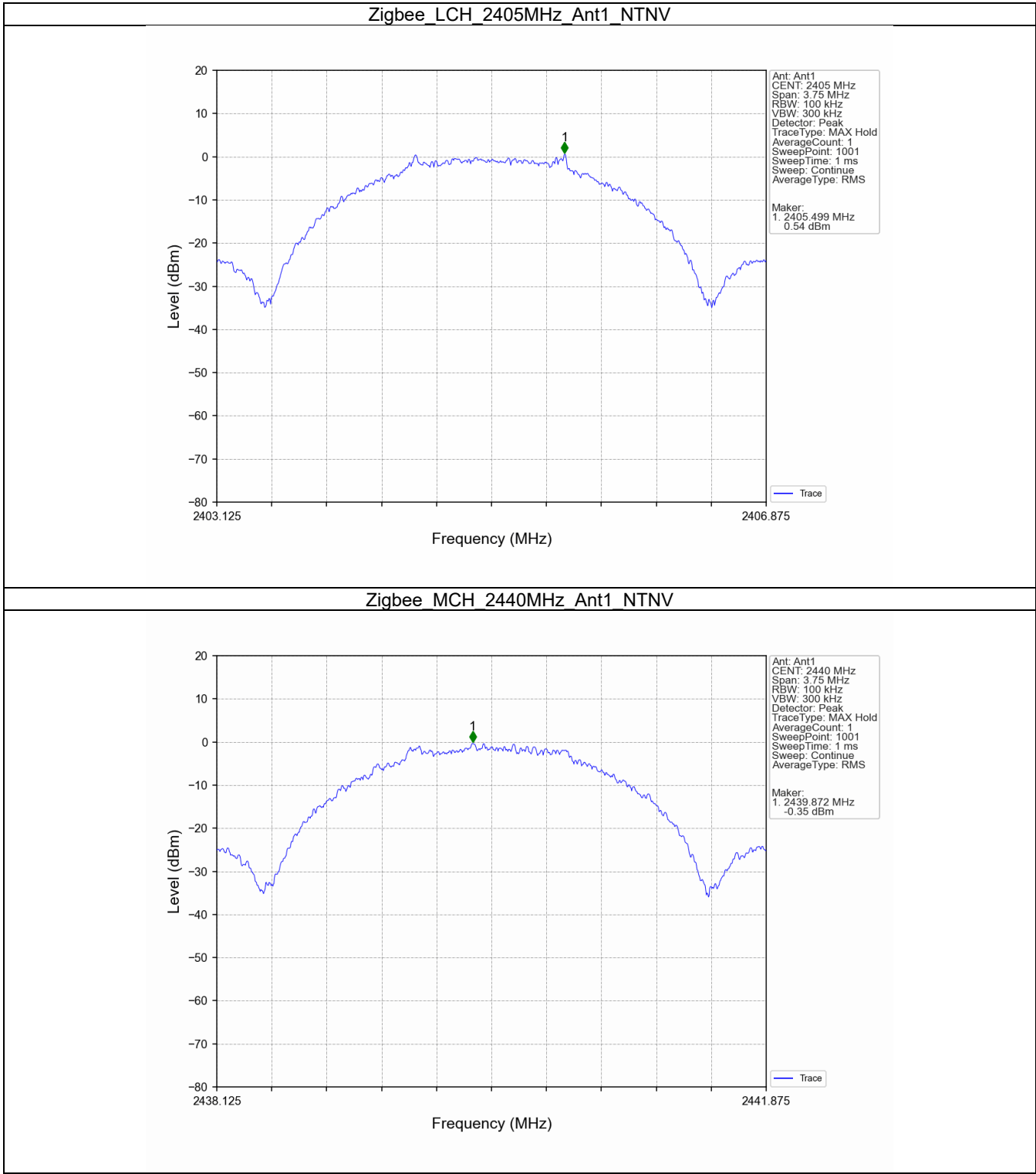
4.1 Test Result

4.1.1 PSD

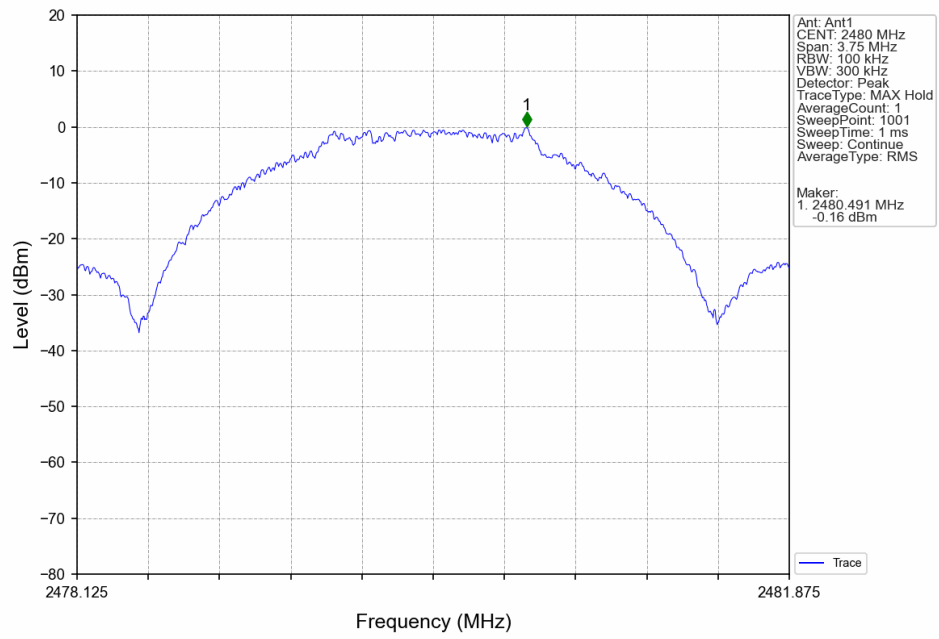
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
Zigbee	SISO	2405	0.54	<=8	Pass
		2440	-0.35	<=8	Pass
		2480	-0.16	<=8	Pass

4.2 Test Graph

4.2.1 PSD



Zigbee_HCH_2480MHz_Ant1_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

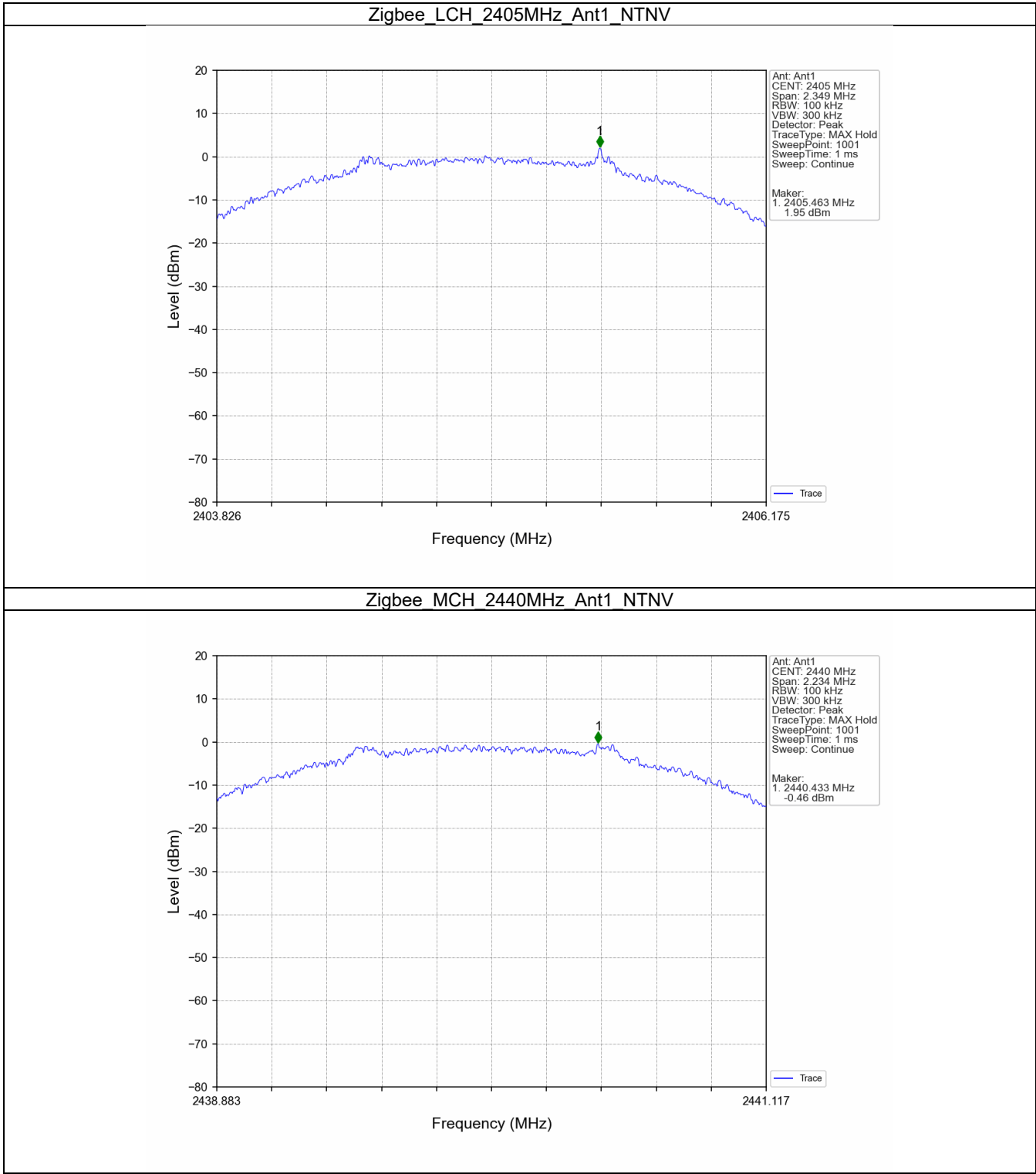
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
Zigbee	SISO	2405	1	1.95
		2440	1	-0.46
		2480	1	0.00

5.1.2 CSE

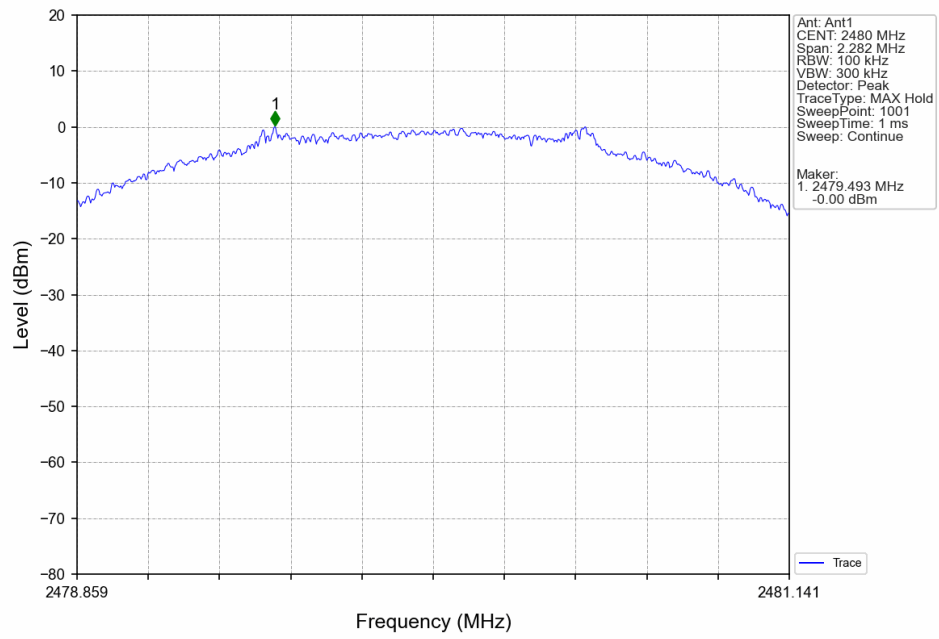
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
Zigbee	SISO	2405	1	1.95	-18.05	Pass
		2440	1	-0.46	-20.46	Pass
		2480	1	0.00	-20.00	Pass

5.2 Test Graph

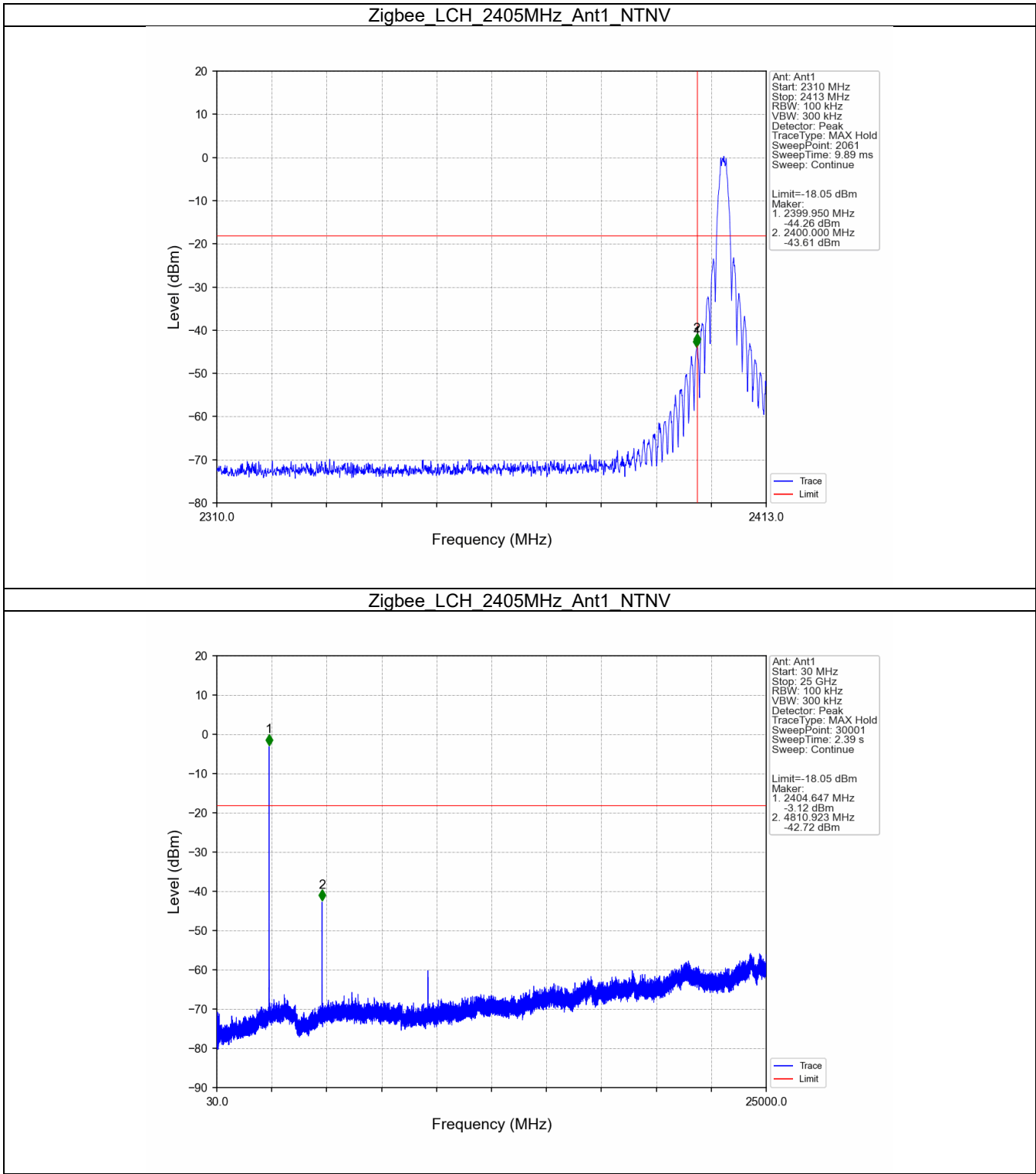
5.2.1 Ref



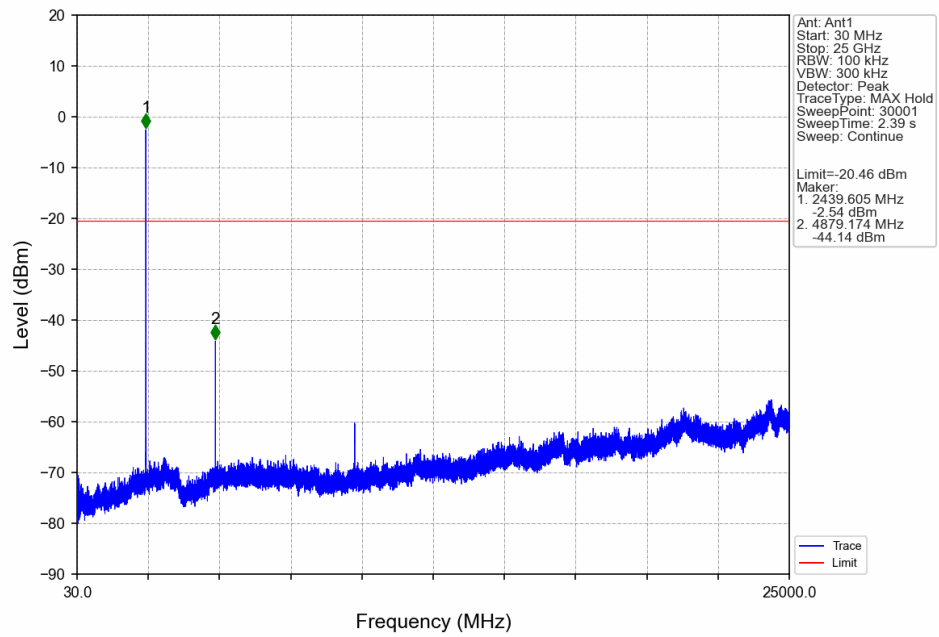
Zigbee_HCH_2480MHz_Ant1_NTNV



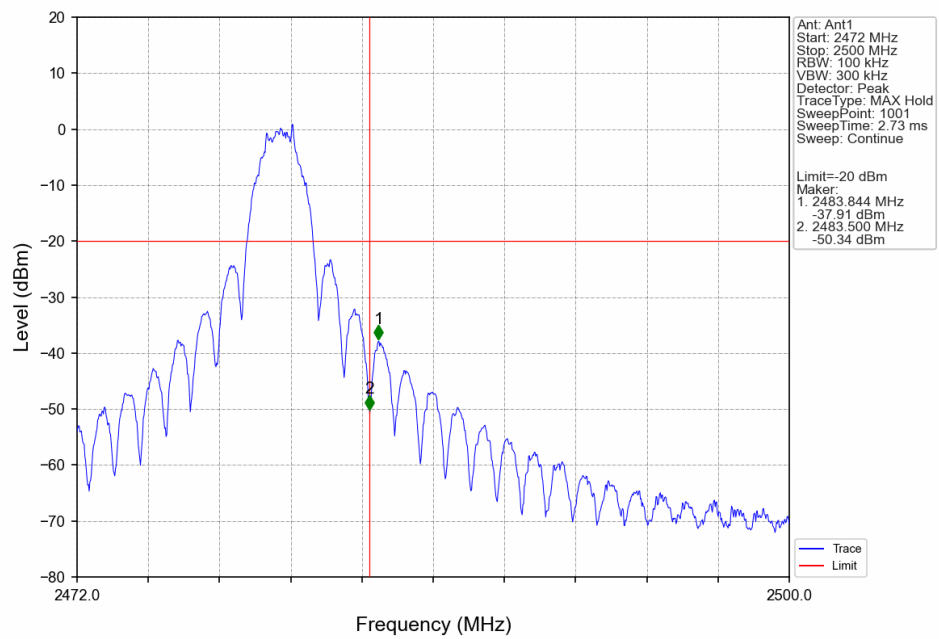
5.2.2 CSE



Zigbee_MCH_2440MHz_Ant1_NTNV



Zigbee_HCH_2480MHz_Ant1_NTNV



Zigbee_HCH_2480MHz_Ant1_NTNV

