

Appendix for 15.247

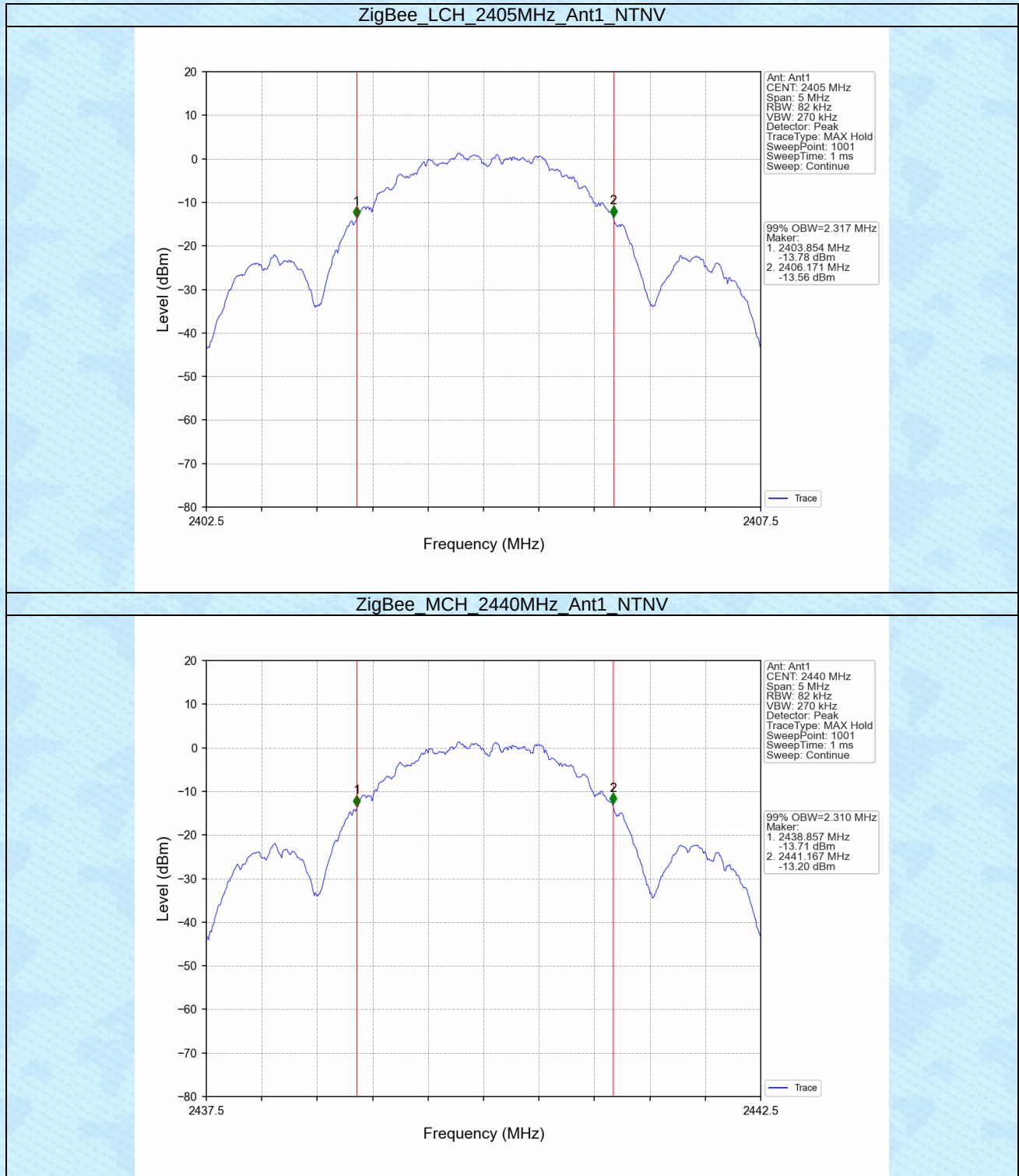
1. Bandwidth

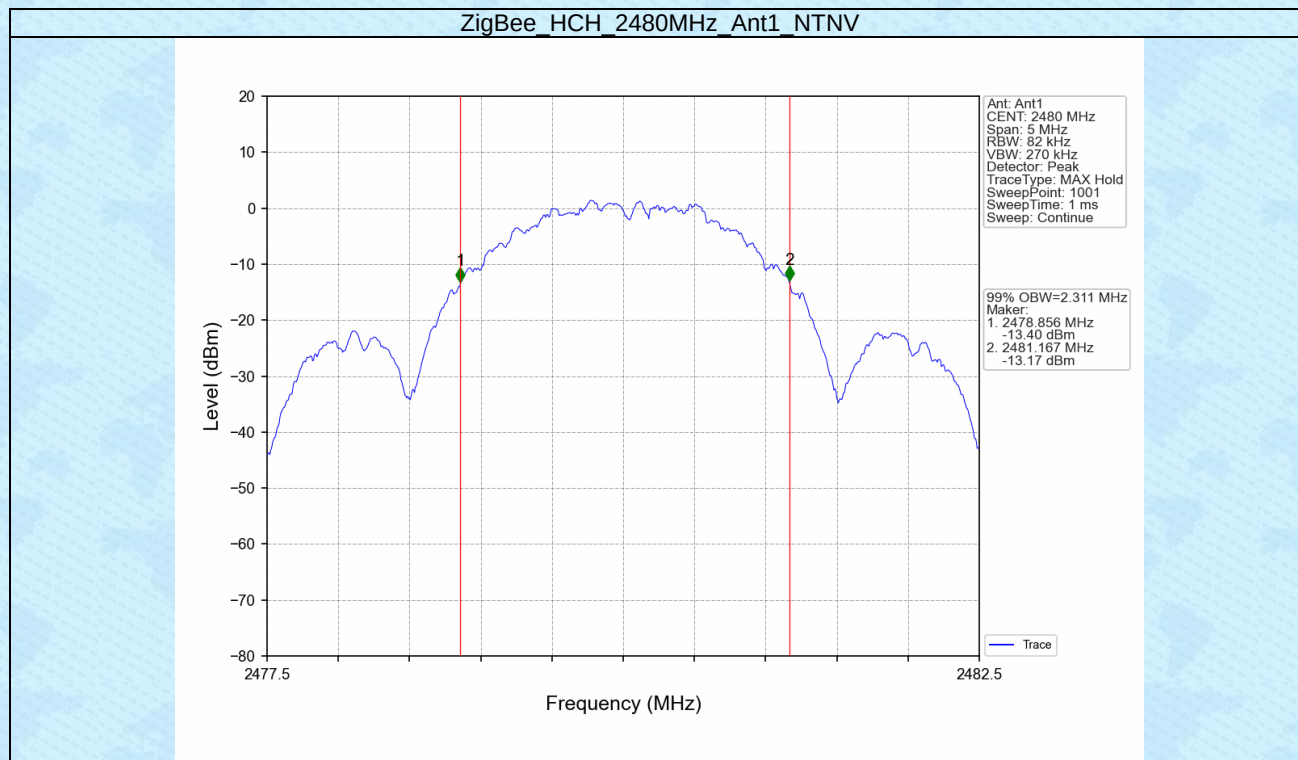
1.1 OBW

1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
ZigBee	SISO	2405	1	2.317	Pass
		2440	1	2.310	Pass
		2480	1	2.311	Pass

1.1.2 Test Graph



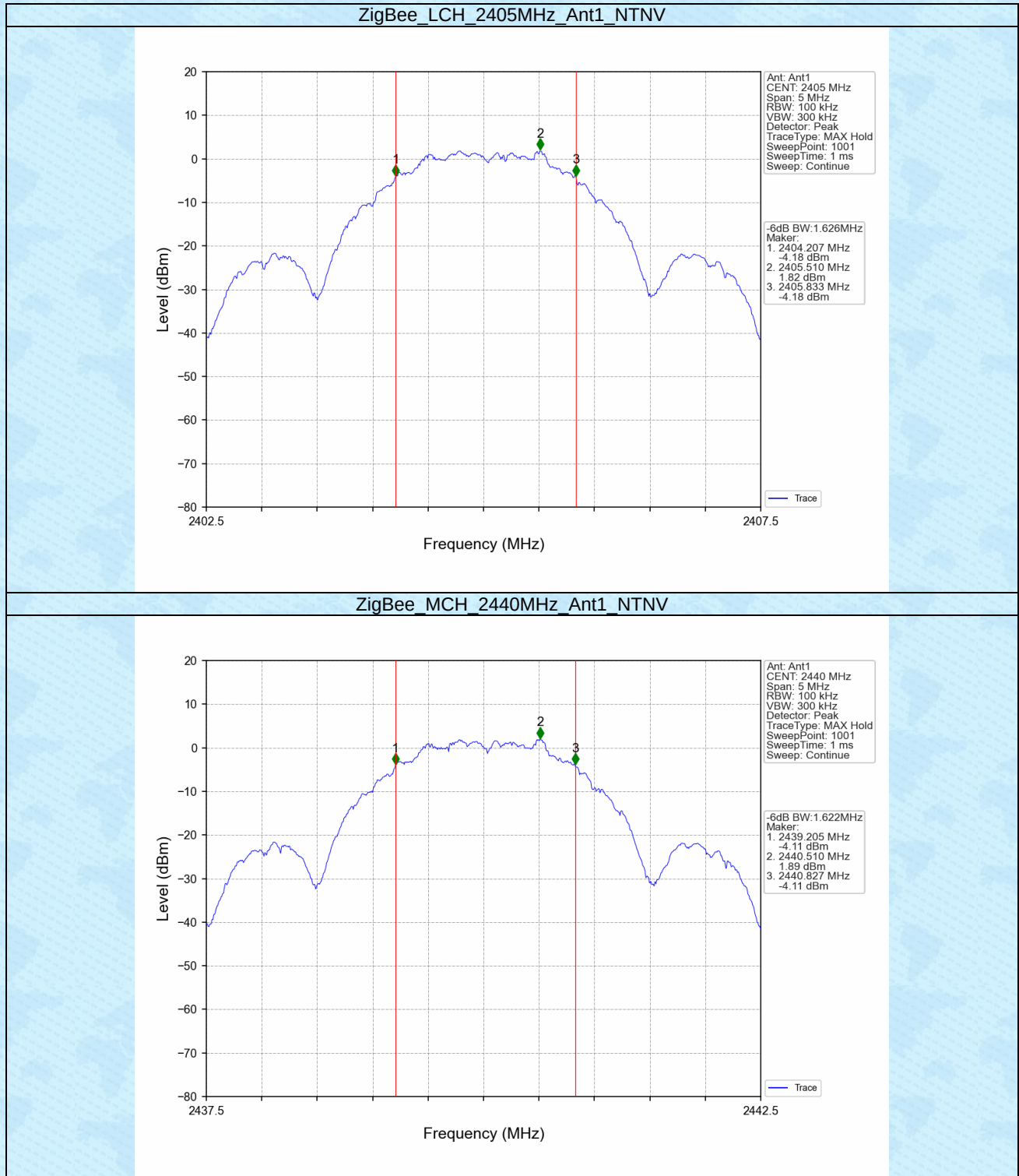


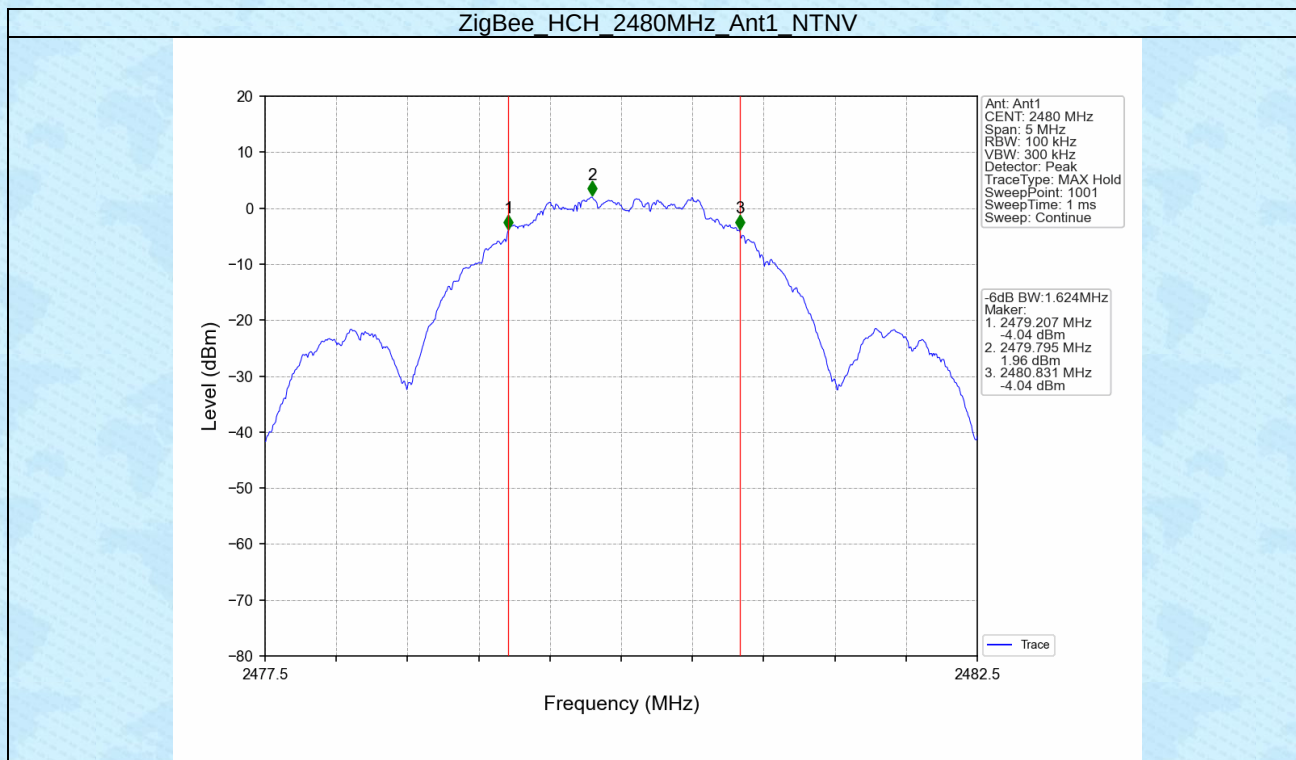
1.2 6dB BW

1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
ZigBee	SISO	2405	1	1.626	≥ 0.5	Pass
		2440	1	1.622	≥ 0.5	Pass
		2480	1	1.624	≥ 0.5	Pass

1.2.2 Test Graph





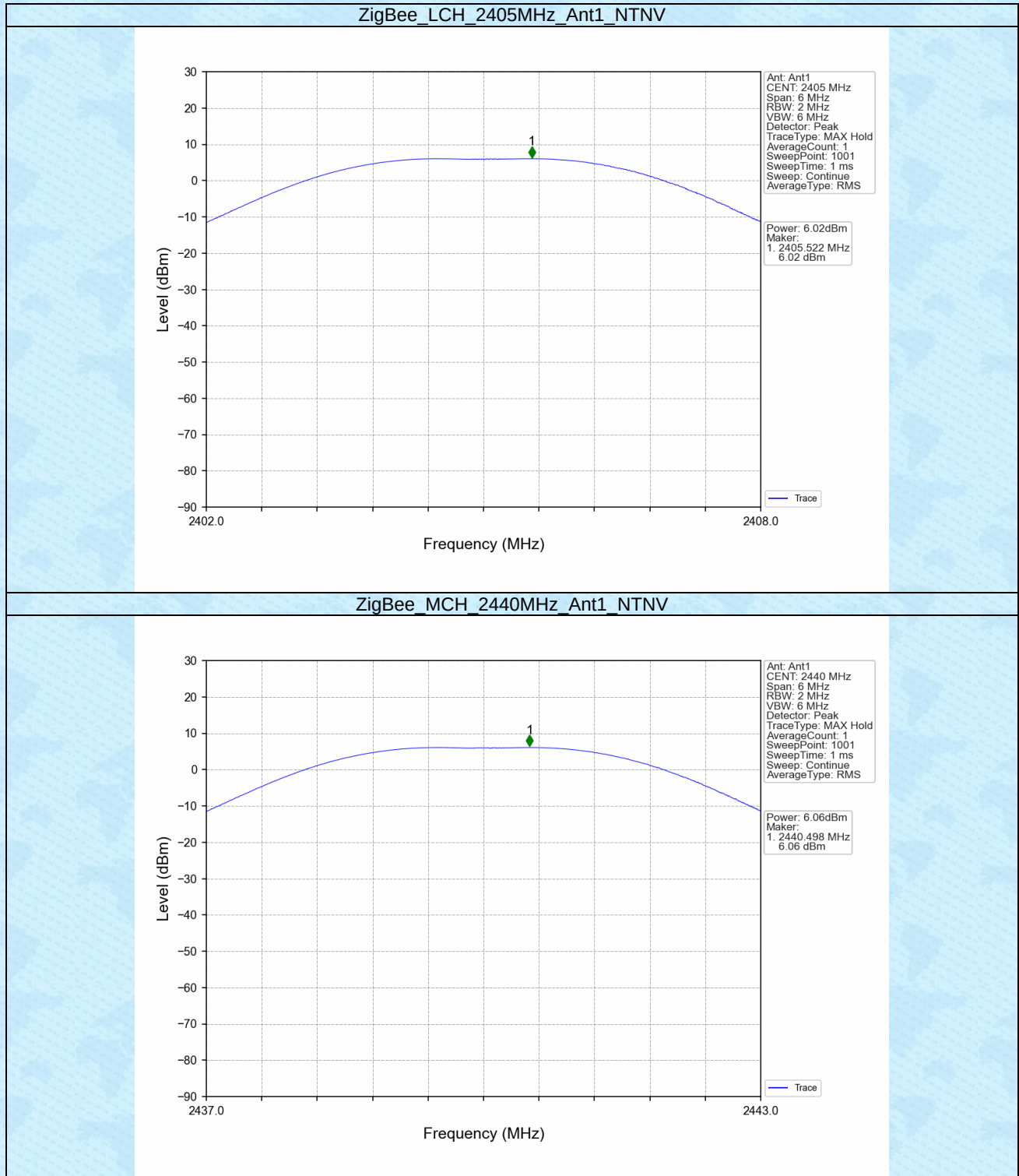
2. Maximum Conducted Output Power

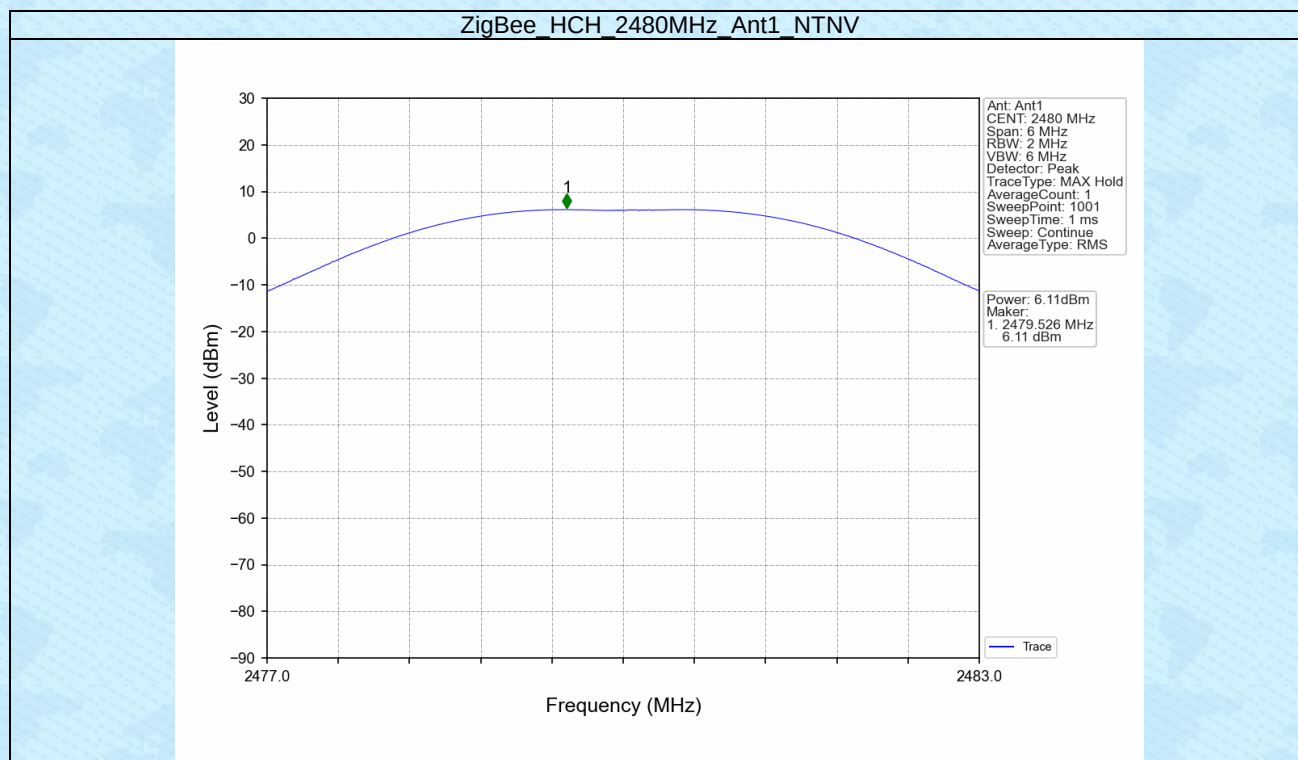
2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
ZigBee	SISO	2405	6.02	≤ 30	Pass
		2440	6.06	≤ 30	Pass
		2480	6.11	≤ 30	Pass

2.1.2 Test Graph





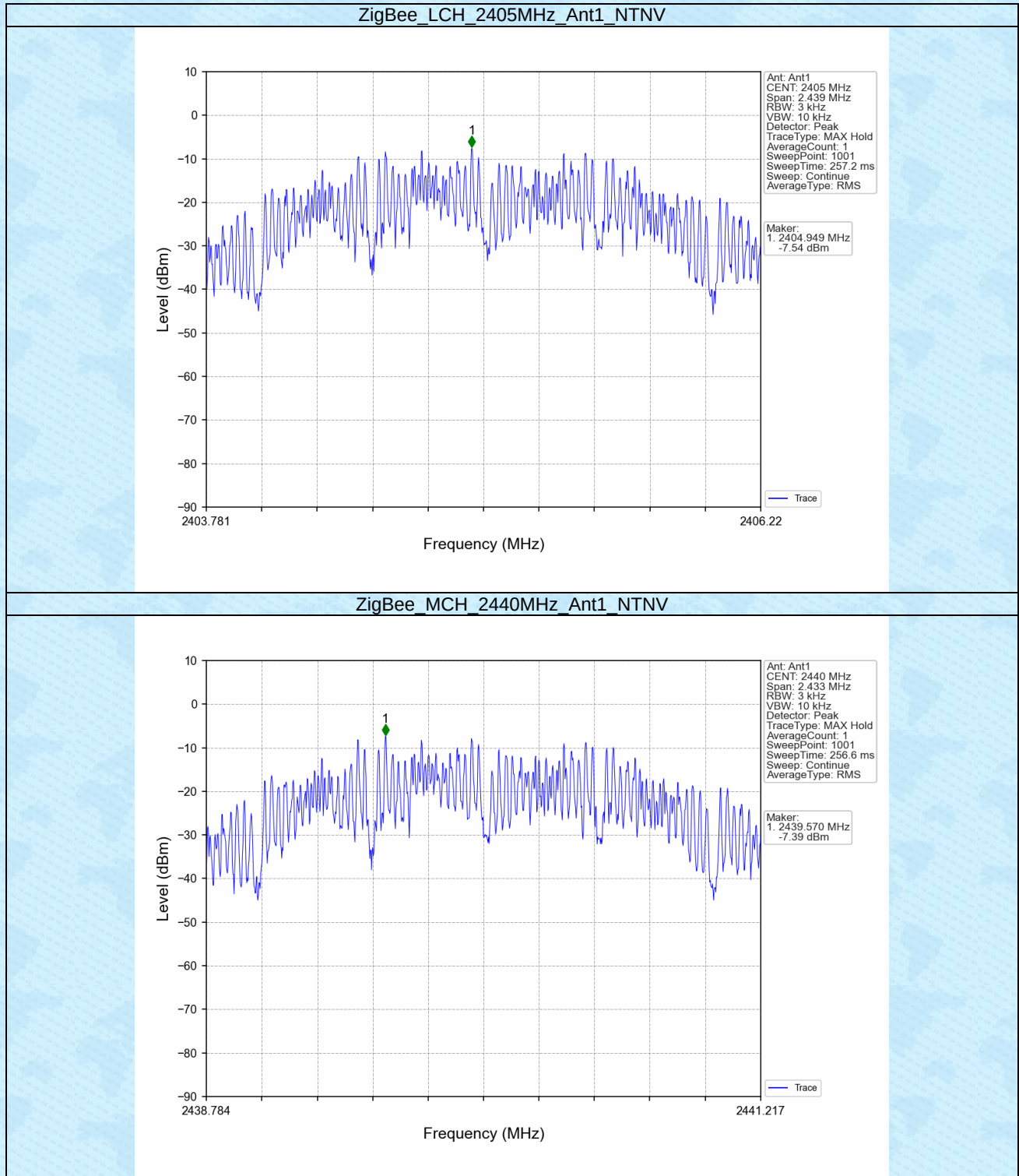
3. Maximum Power Spectral Density

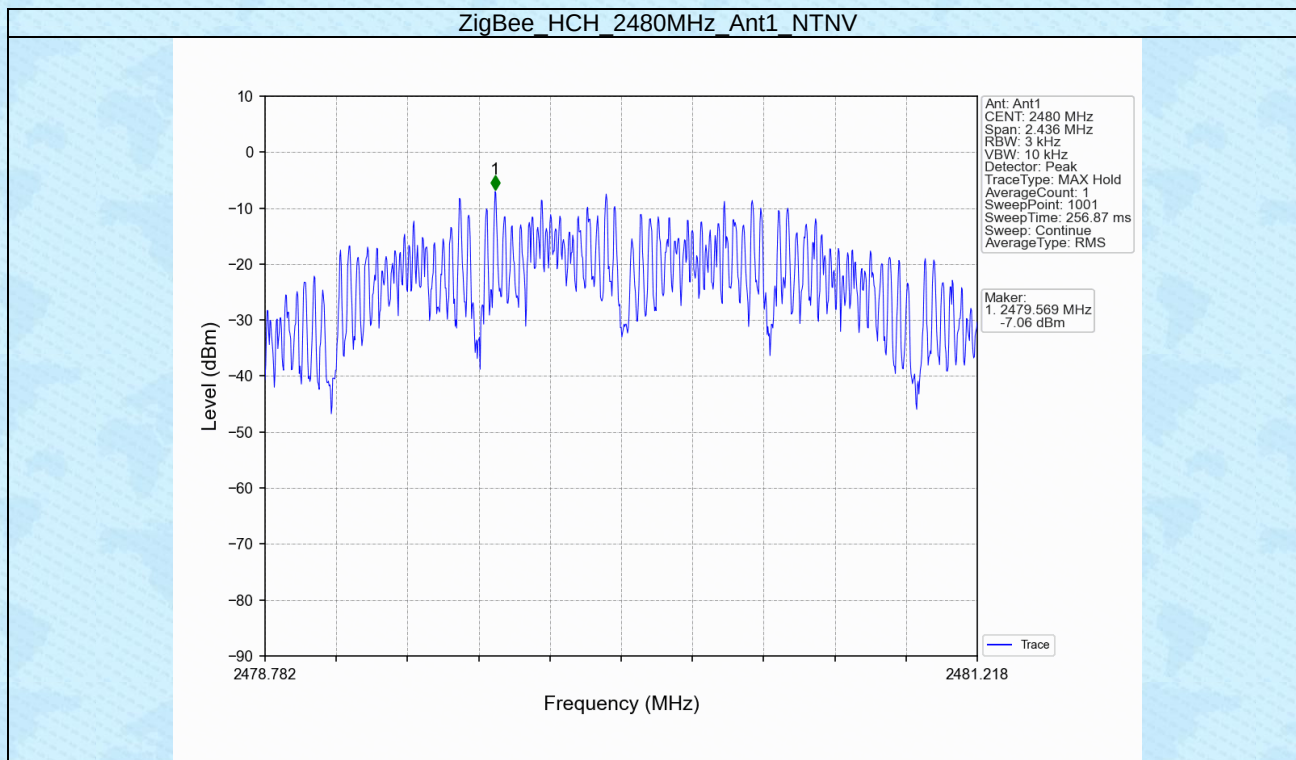
3.1 PSD

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
ZigBee	SISO	2405	-7.54	<=8	Pass
		2440	-7.39	<=8	Pass
		2480	-7.06	<=8	Pass

3.1.2 Test Graph





4. Unwanted Emissions In Non-restricted Frequency Bands

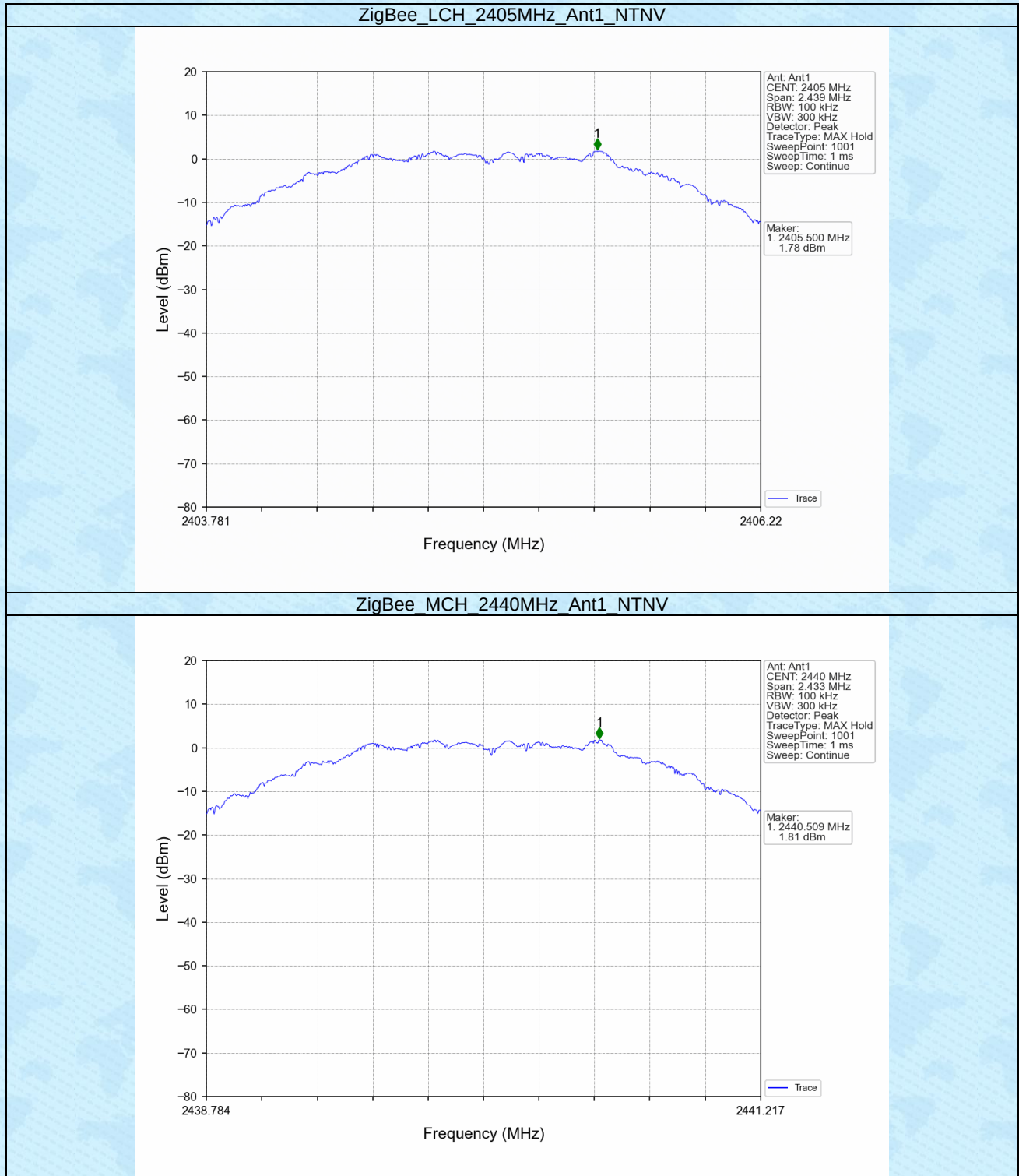
4.1 Ref

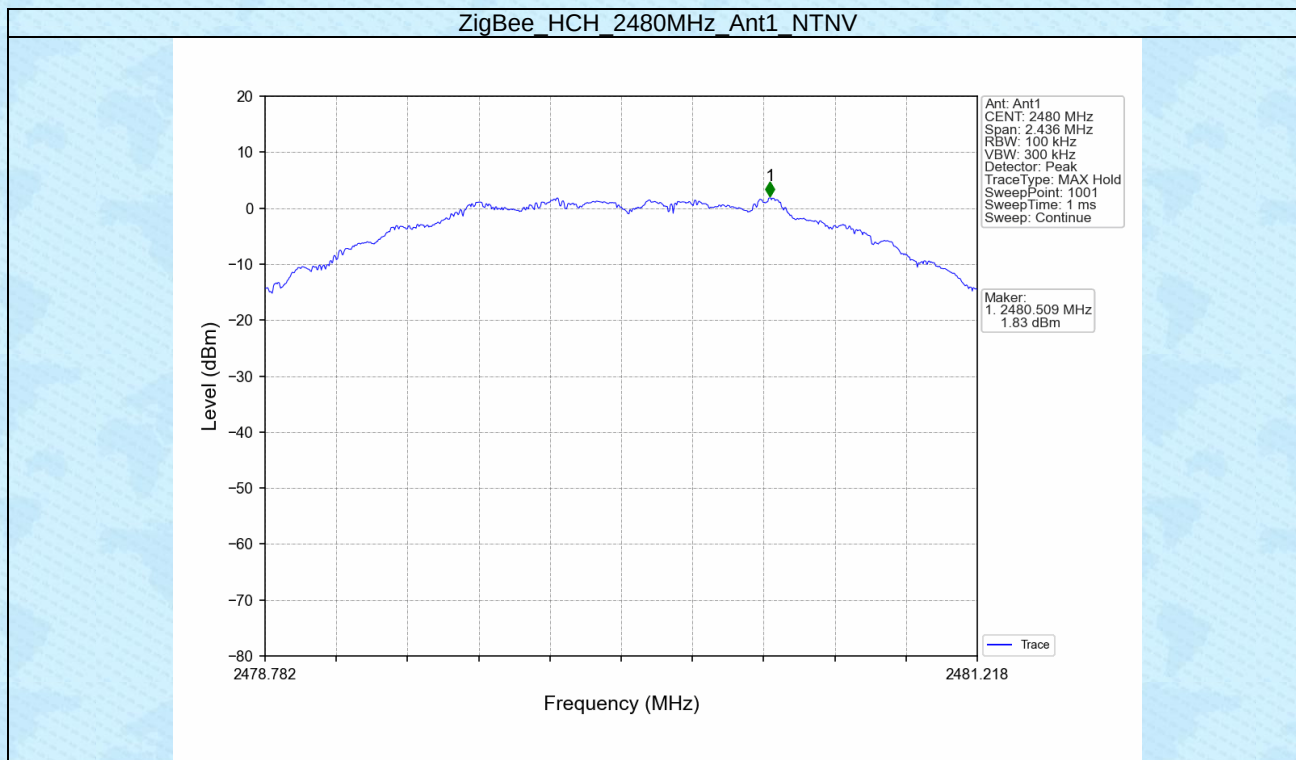
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
ZigBee	SISO	2405	1	1.78
		2440	1	1.81
		2480	1	1.83

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



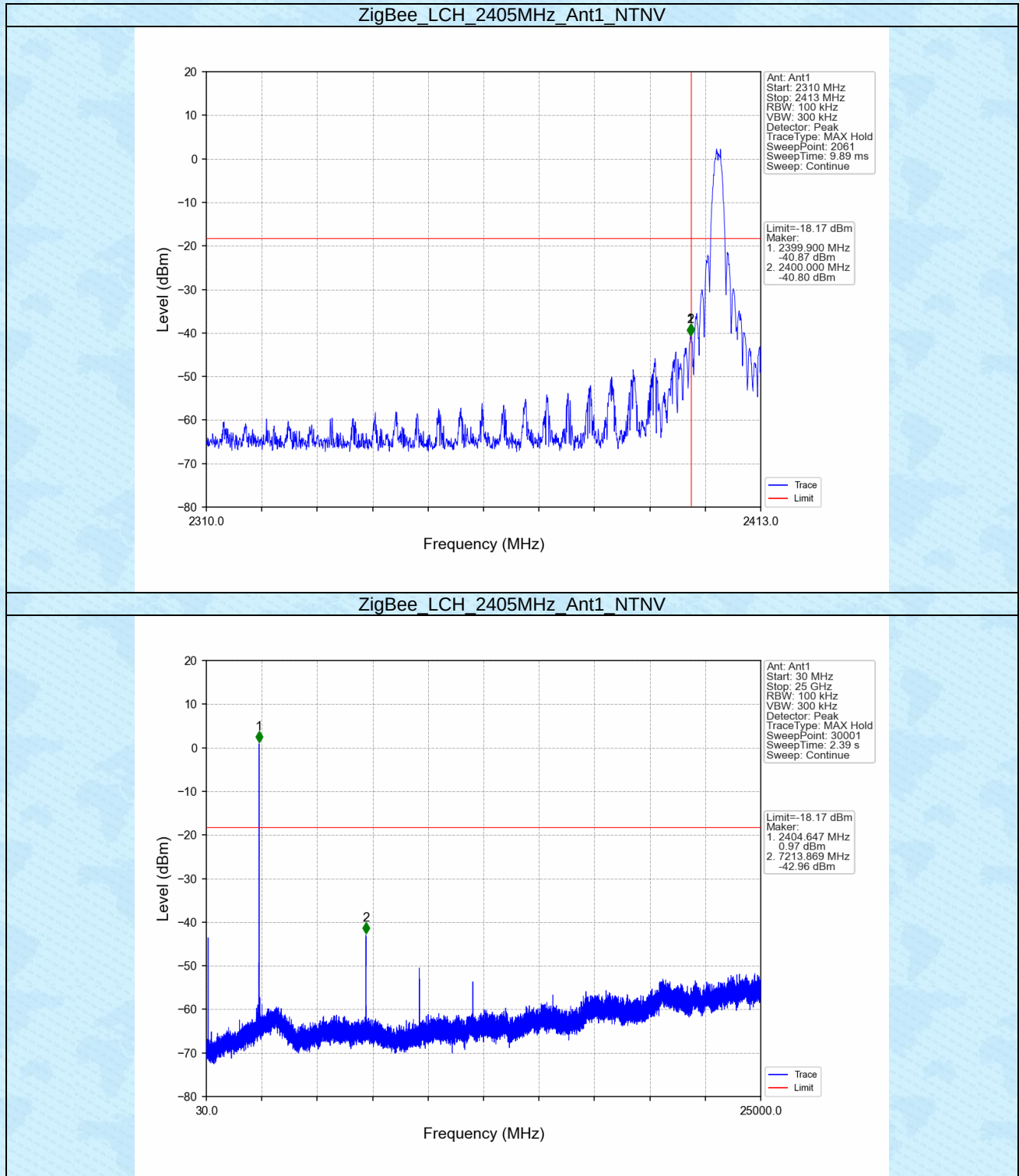


4.2 CSE

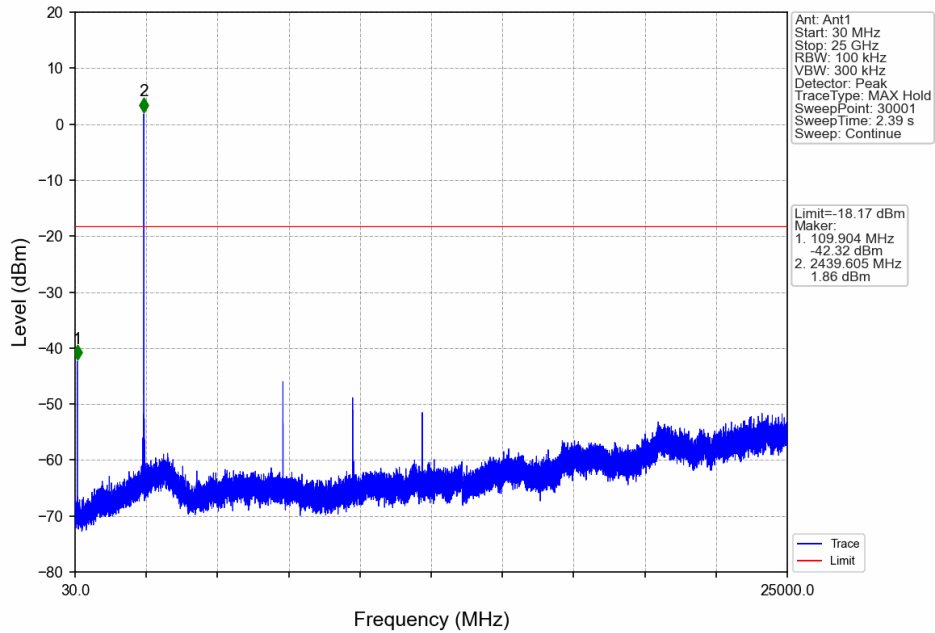
4.2.1 Test Result

Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
ZigBee	SISO	2405	1	1.83	-18.17	Pass
		2440	1	1.83	-18.17	Pass
		2480	1	1.83	-18.17	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.						

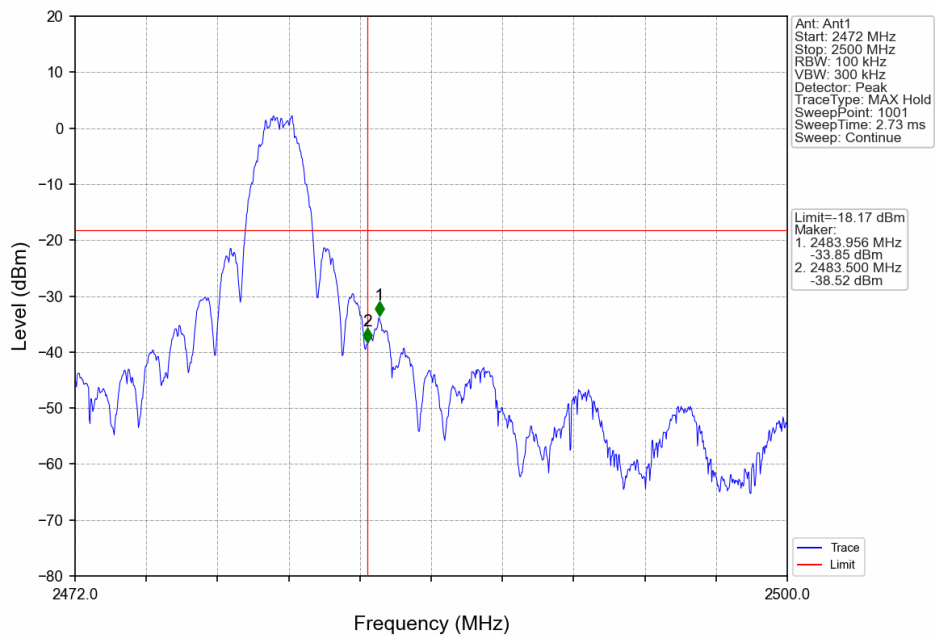
4.2.2 Test Graph

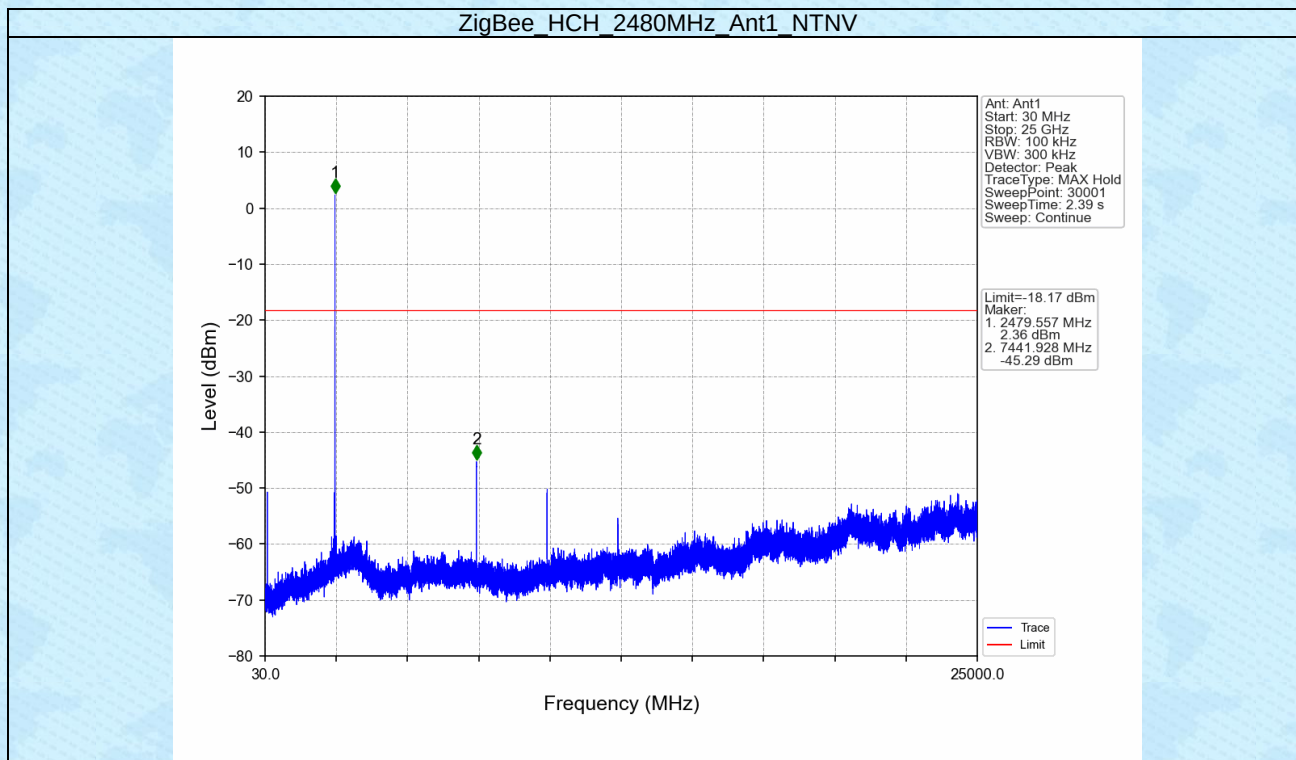


ZigBee_MCH_2440MHz_Ant1_NTNV



ZigBee_HCH_2480MHz_Ant1_NTNV





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