

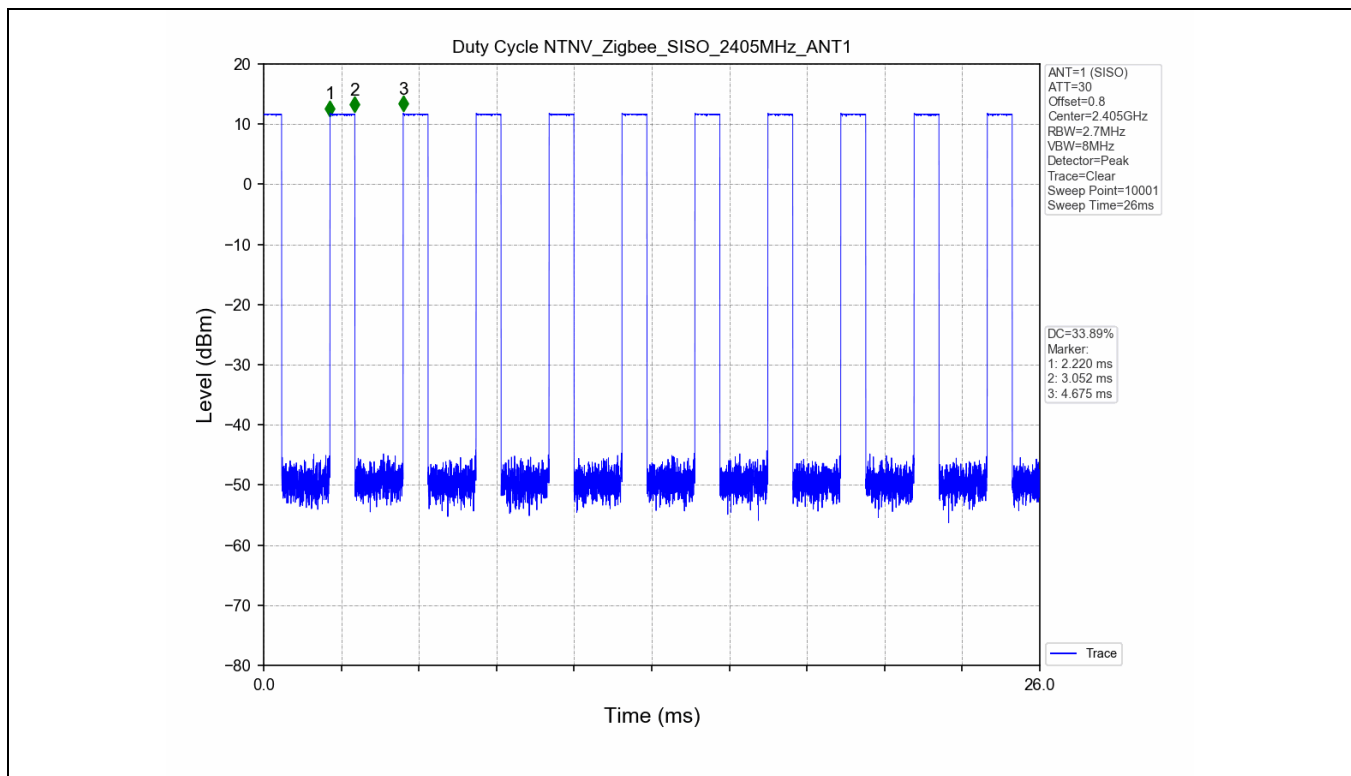
Appendix A for SHEM210600583101

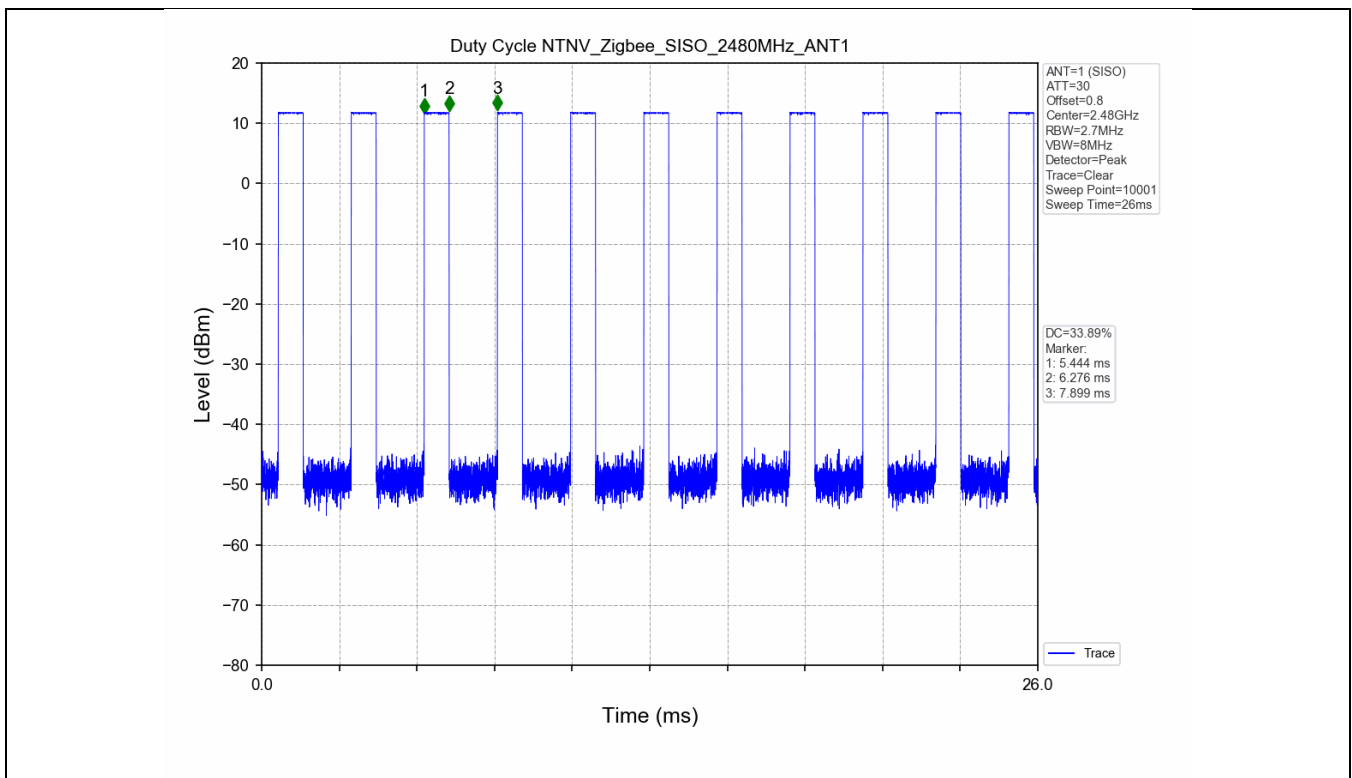
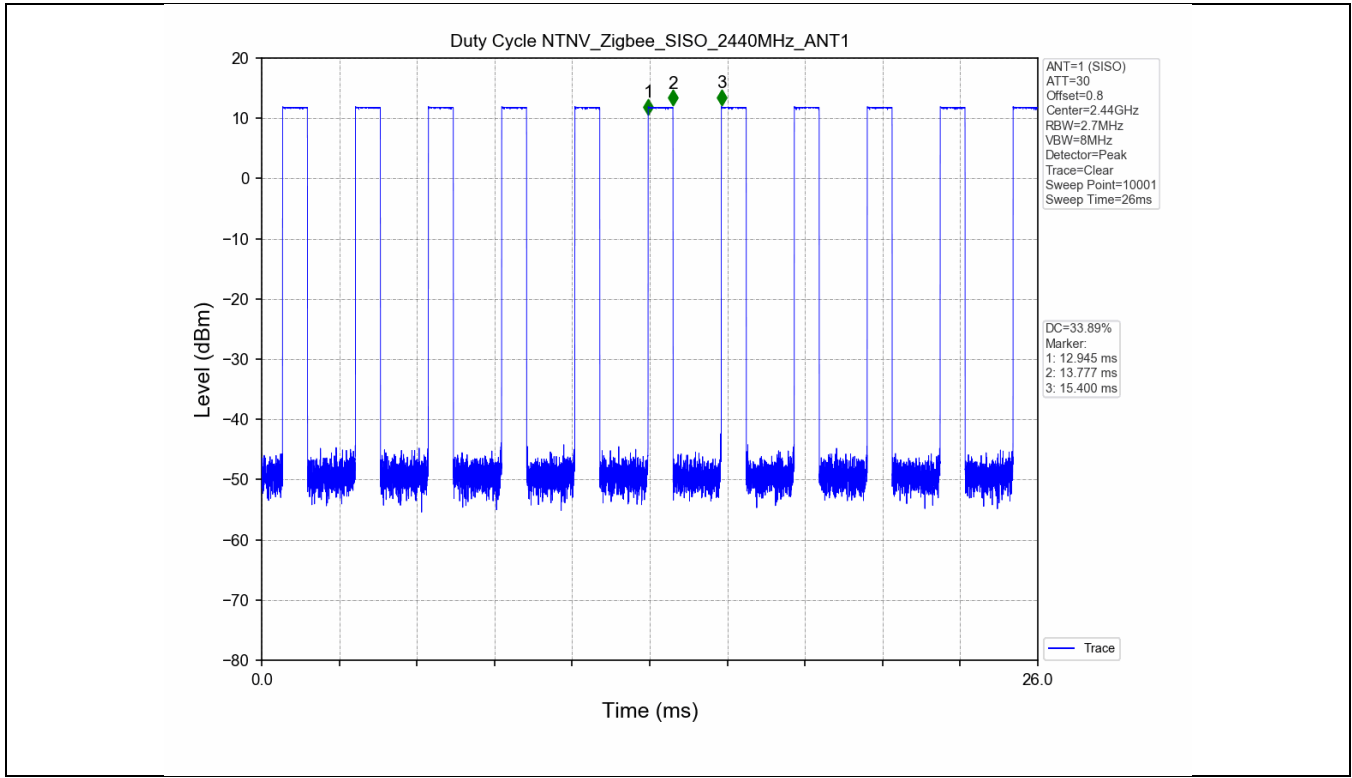
1. Duty Cycle

1.1 Test Result

Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
Zigbee	2405	SISO	1	0.832	2.455	33.89	4.70
	2440	SISO	1	0.832	2.455	33.89	4.70
	2480	SISO	1	0.832	2.455	33.89	4.70

1.2 Test Graph





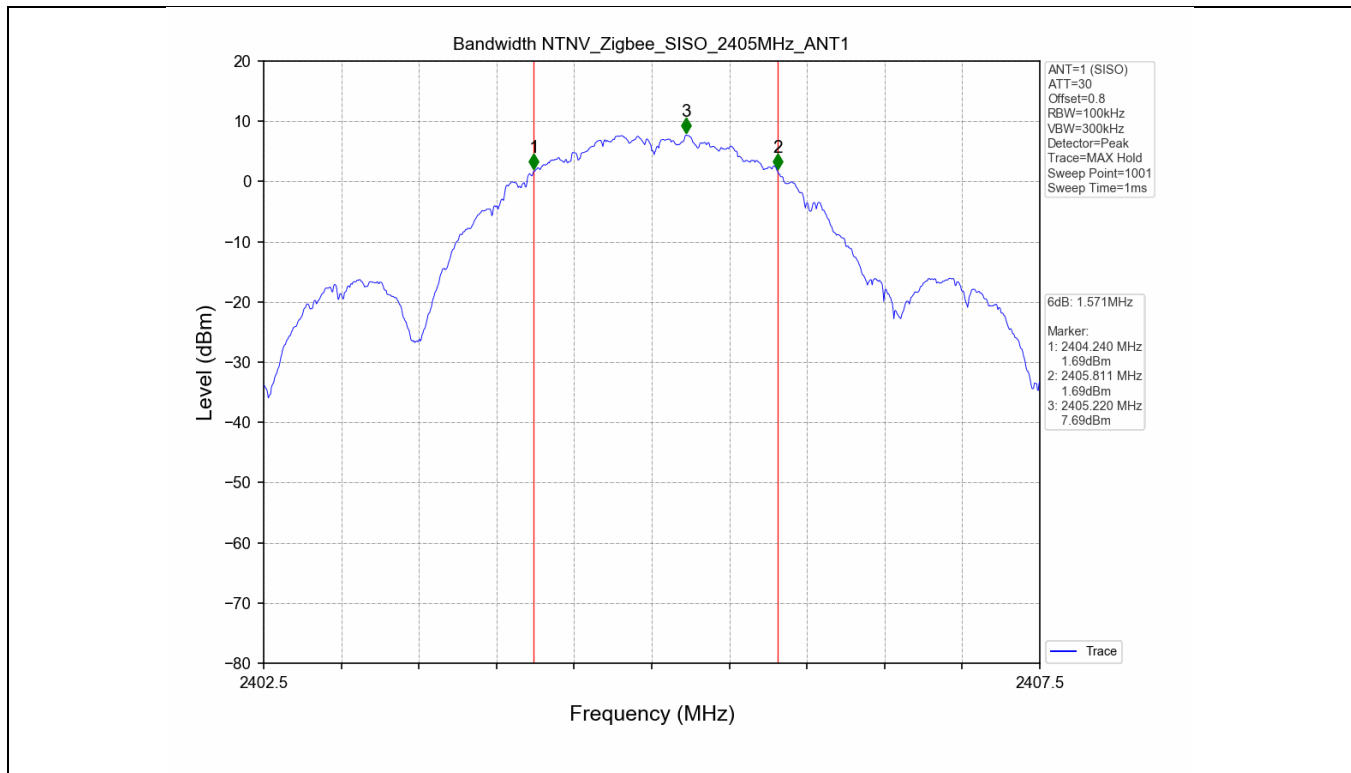
2. Bandwidth

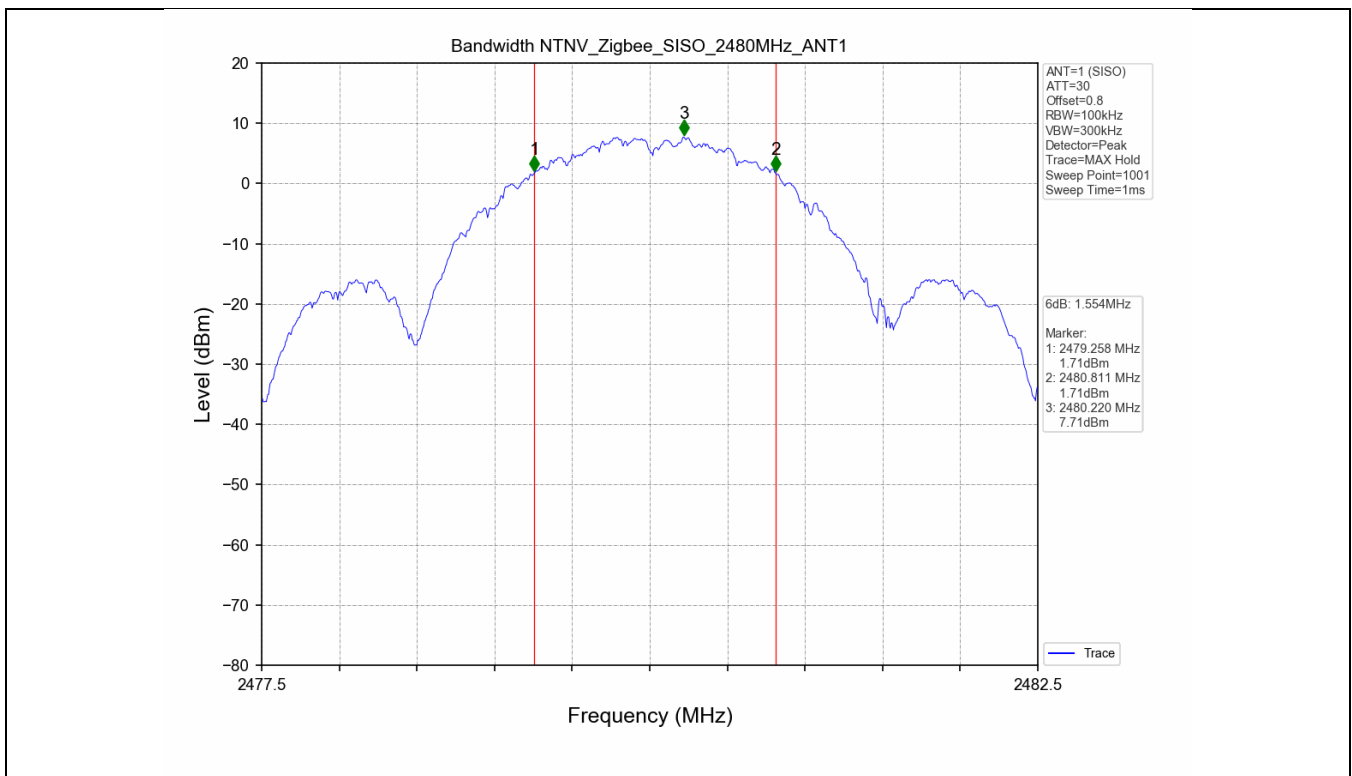
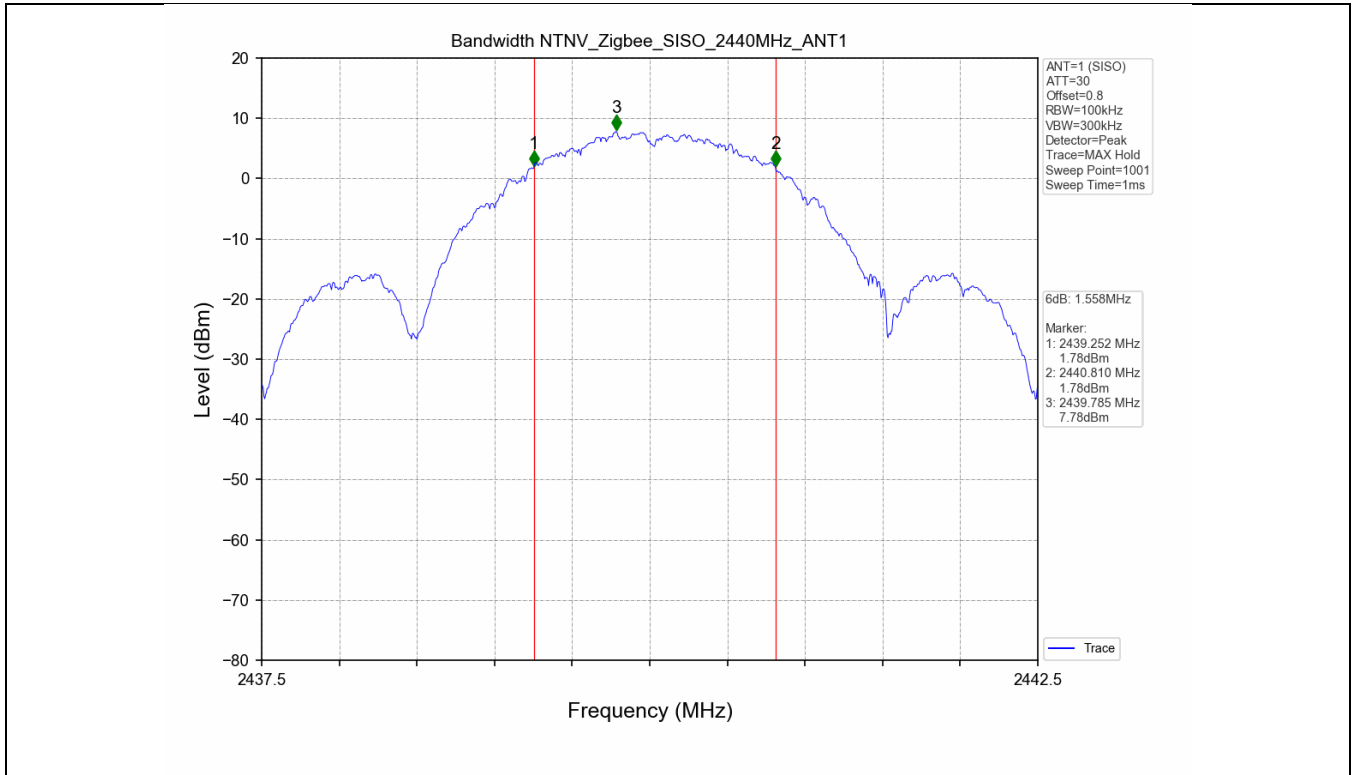
2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
Zigbee	2405	SISO	1	1.571	≥0.5	PASS
	2440	SISO	1	1.558	≥0.5	PASS
	2480	SISO	1	1.554	≥0.5	PASS

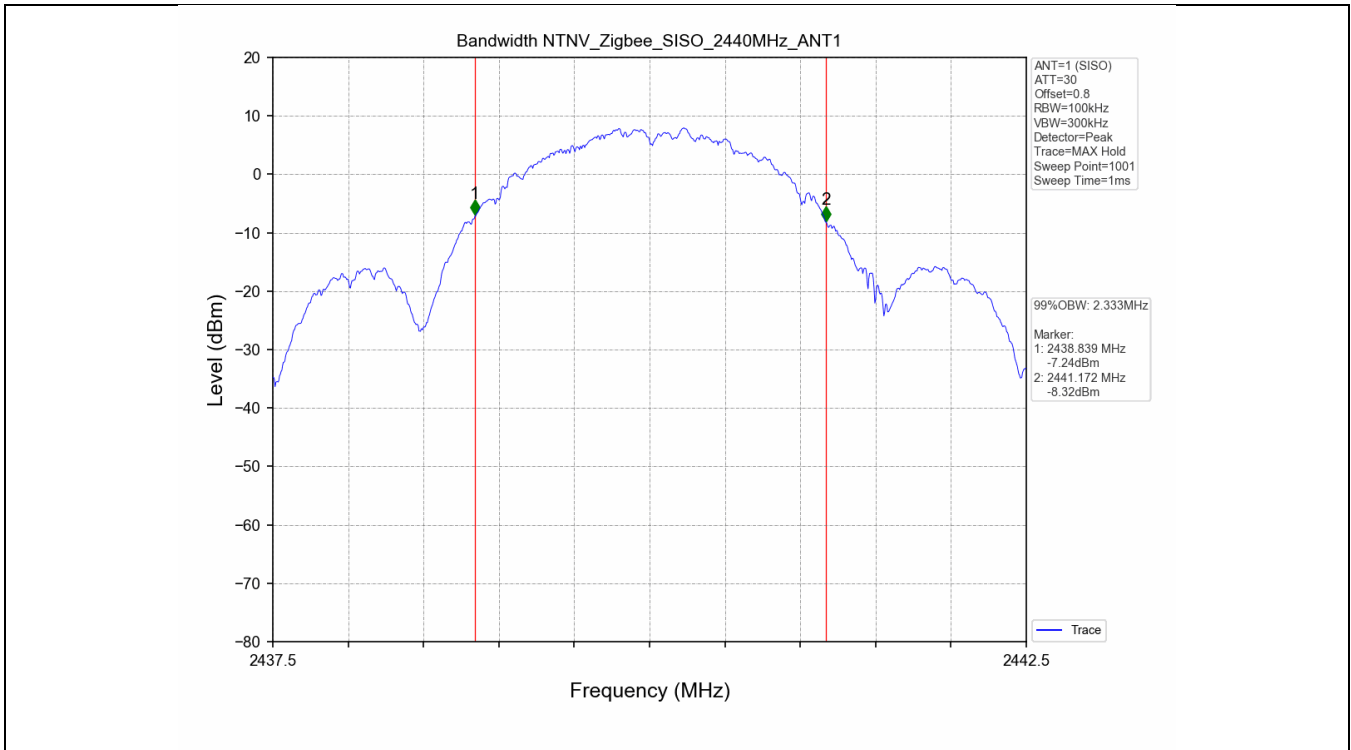
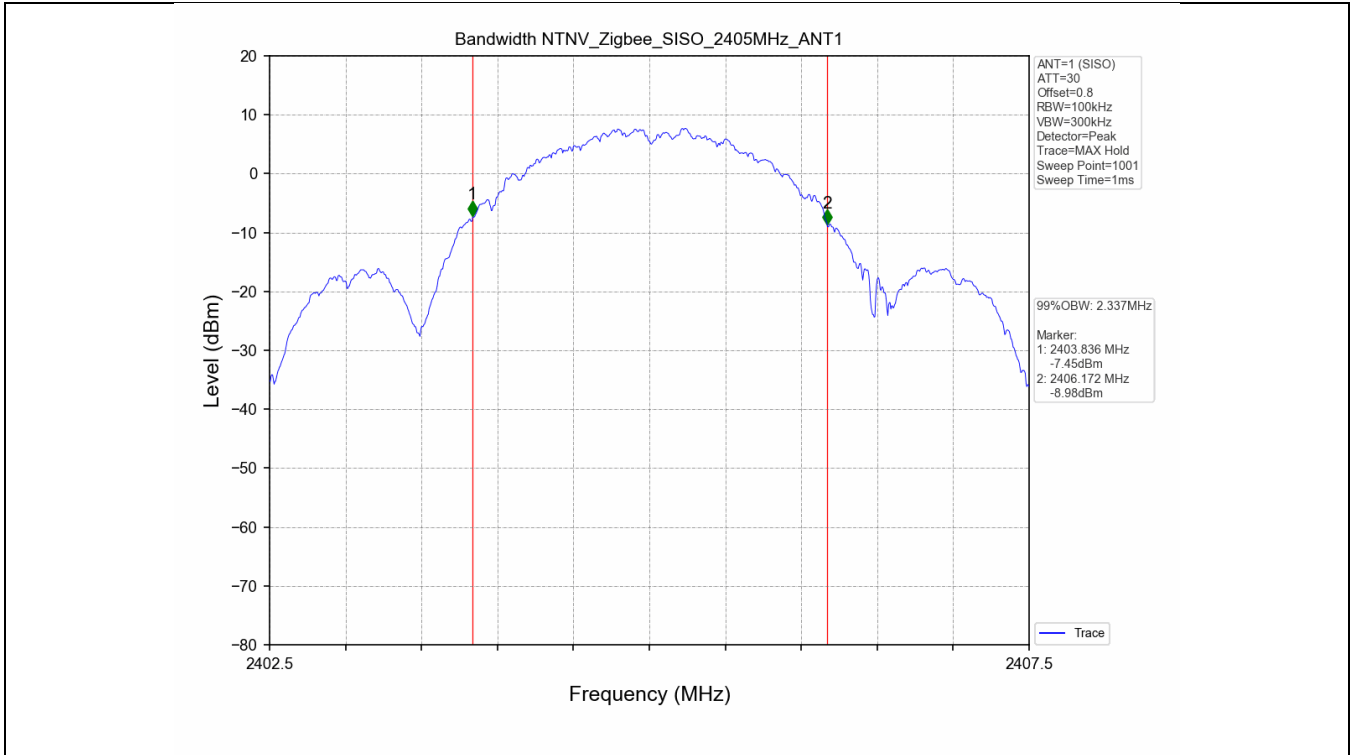
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
Zigbee	2405	SISO	1	2.337	Only for Report Use
	2440	SISO	1	2.333	Only for Report Use
	2480	SISO	1	2.336	Only for Report Use

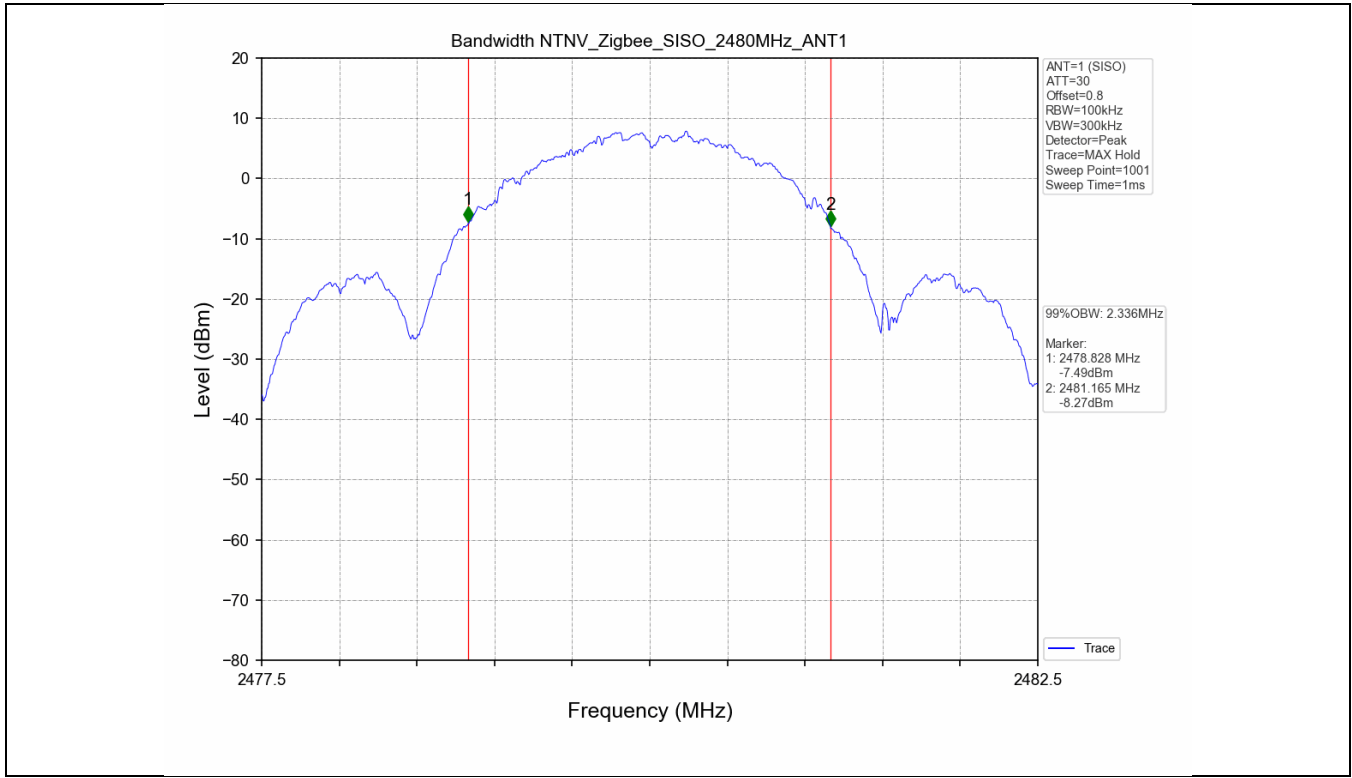
2.2 Test Graph - 6dB Bandwidth





2.3 Test Graph - 99% Occupied Bandwidth



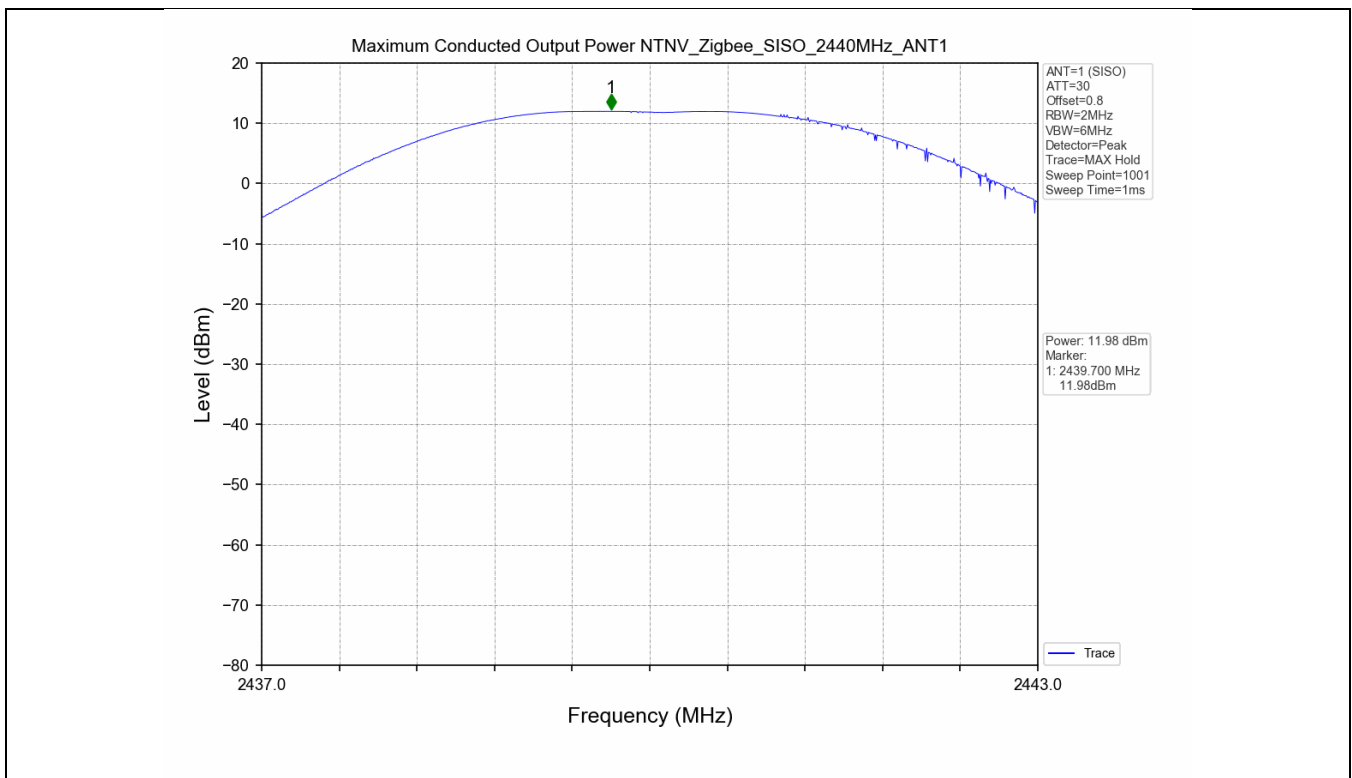
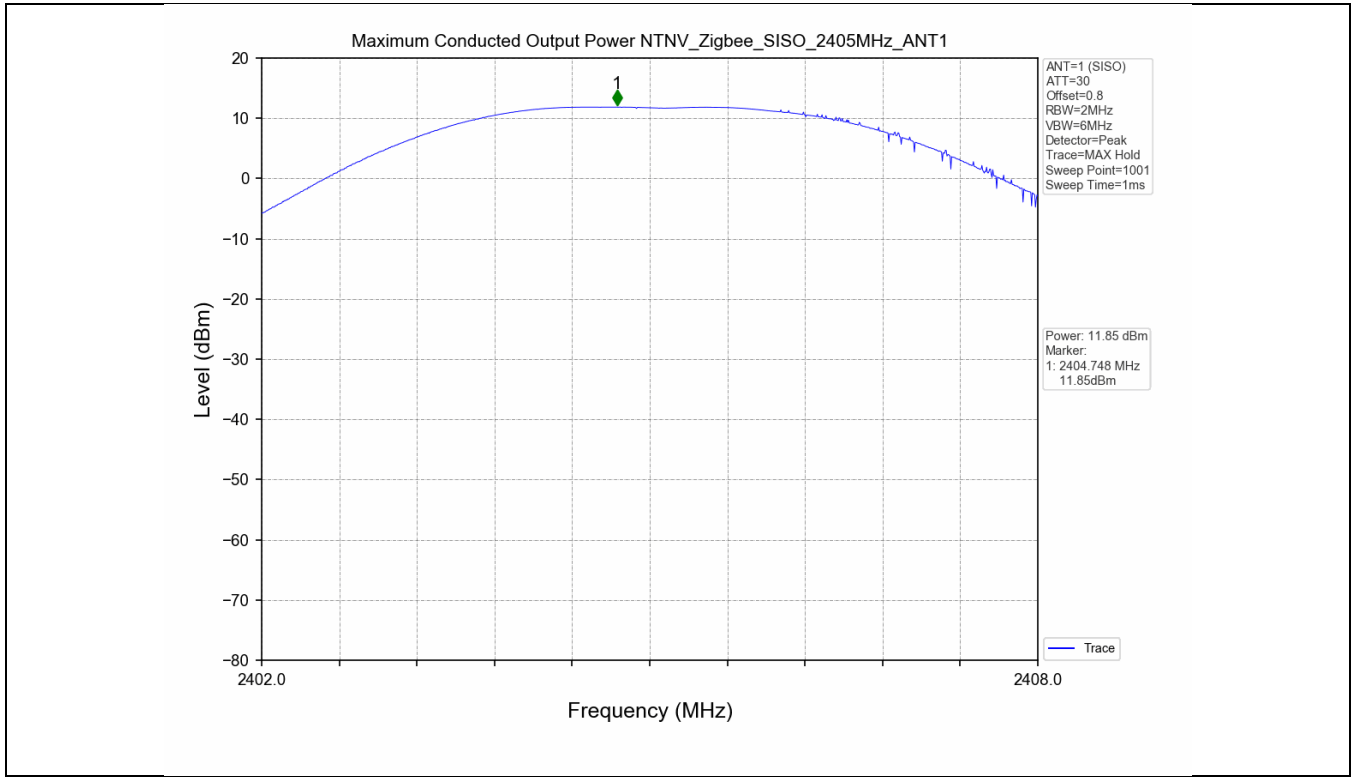


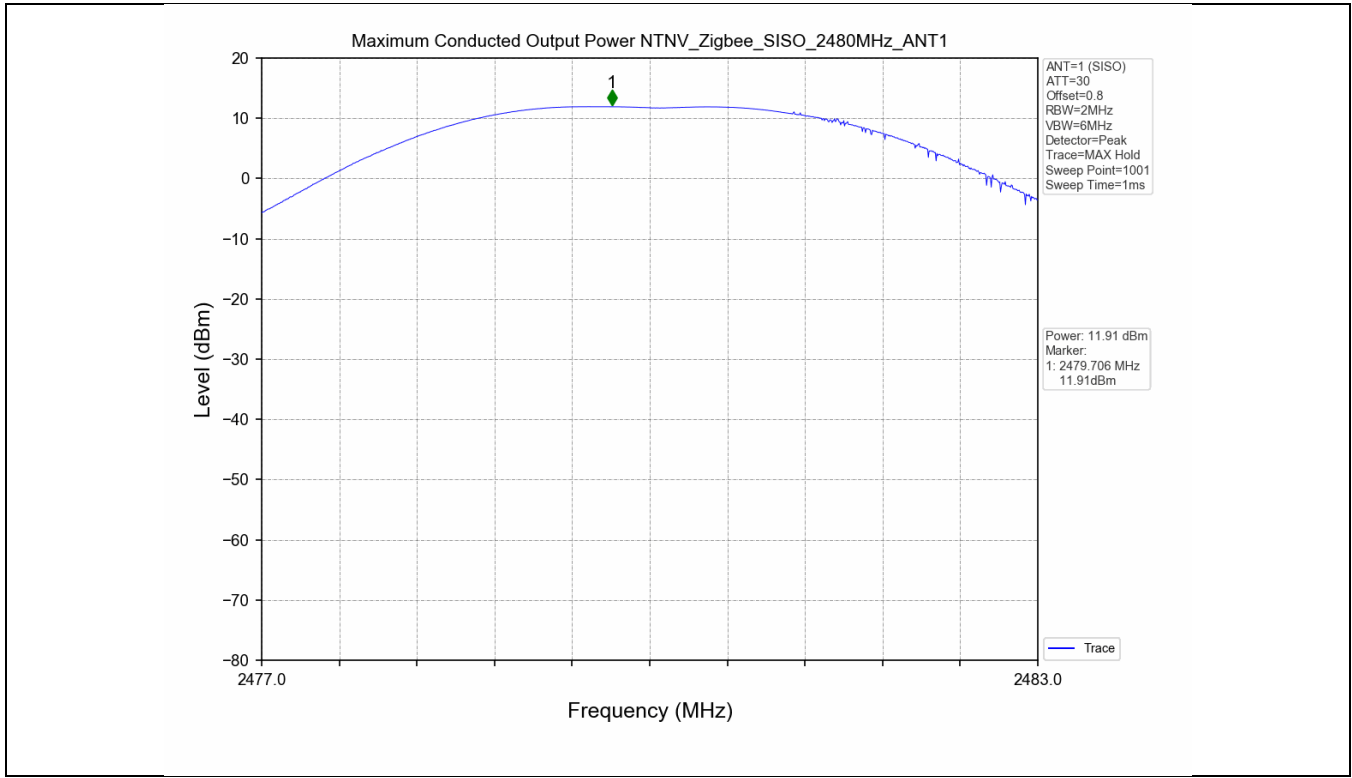
3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
Zigbee	2405	SISO	11.85	30	PASS
	2440	SISO	11.98	30	PASS
	2480	SISO	11.91	30	PASS

3.2 Test Graph



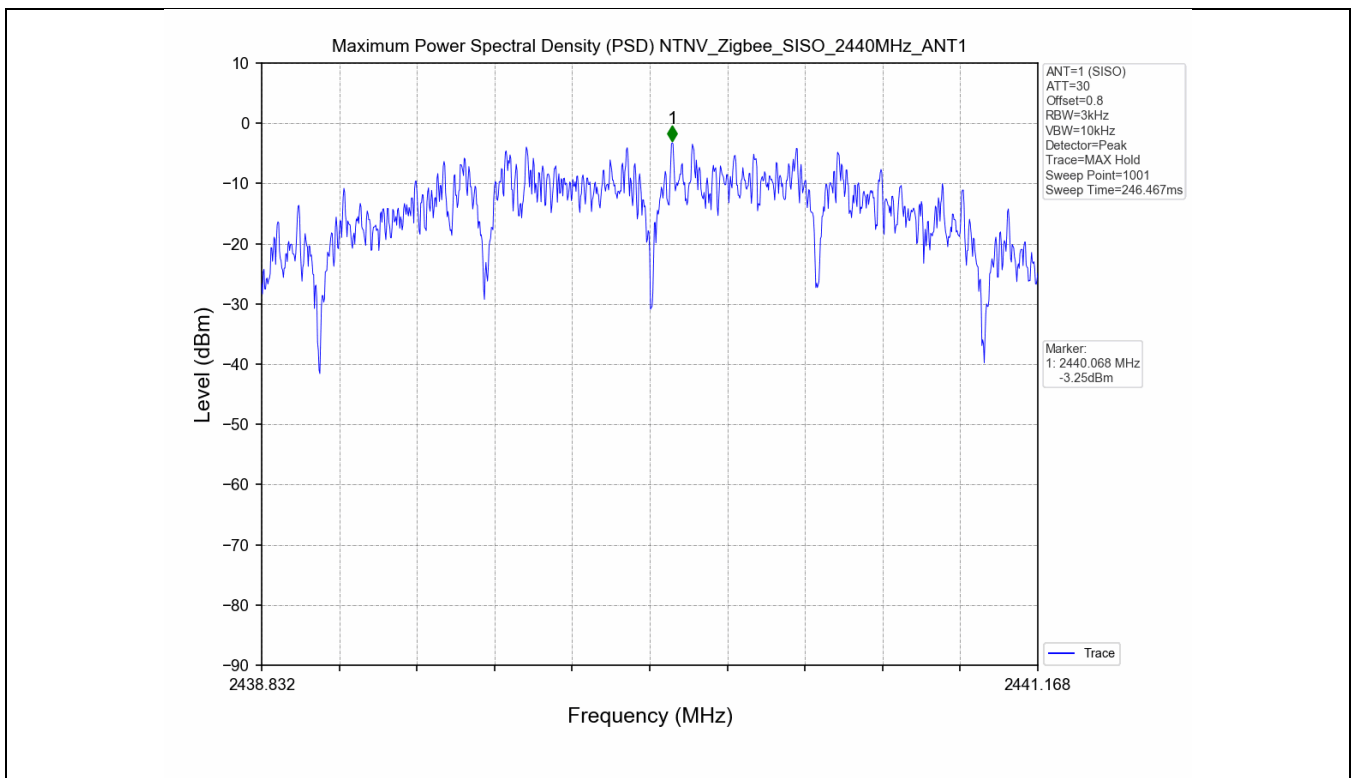
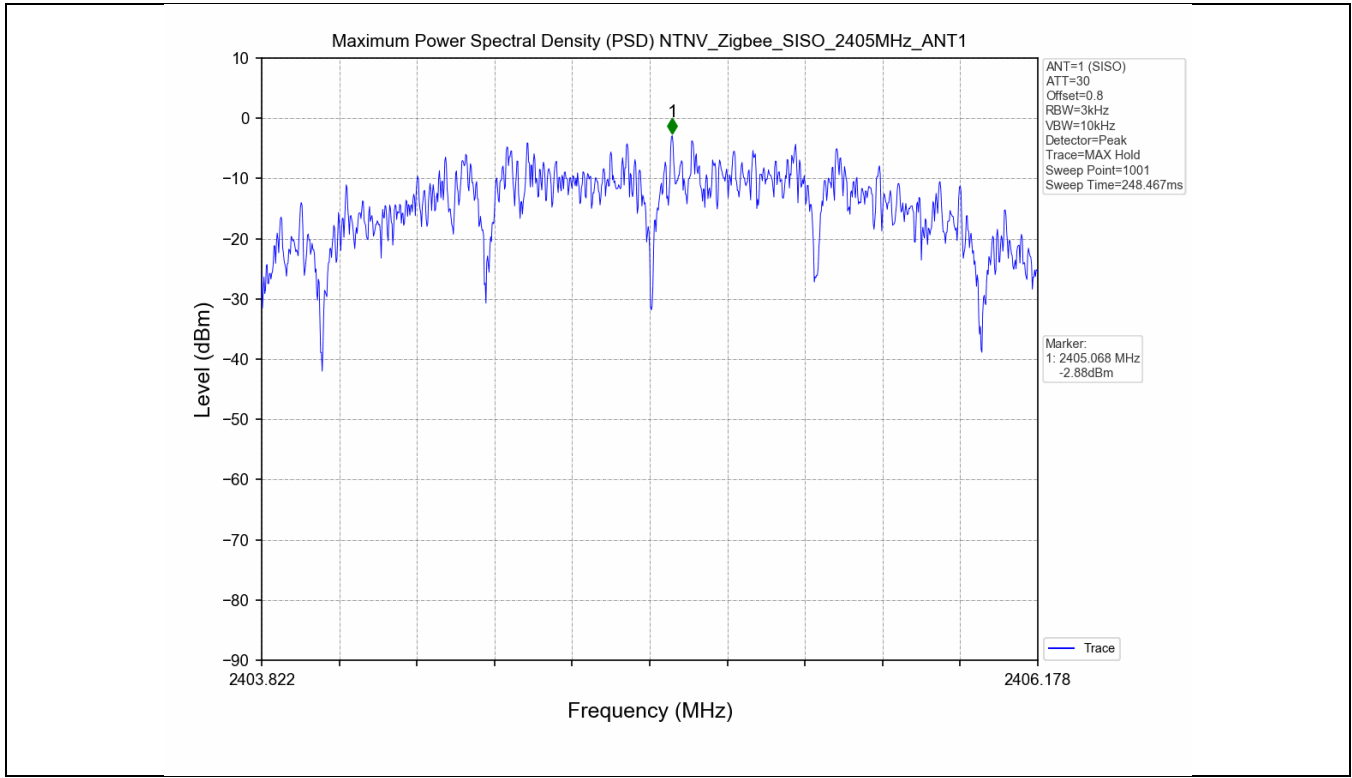


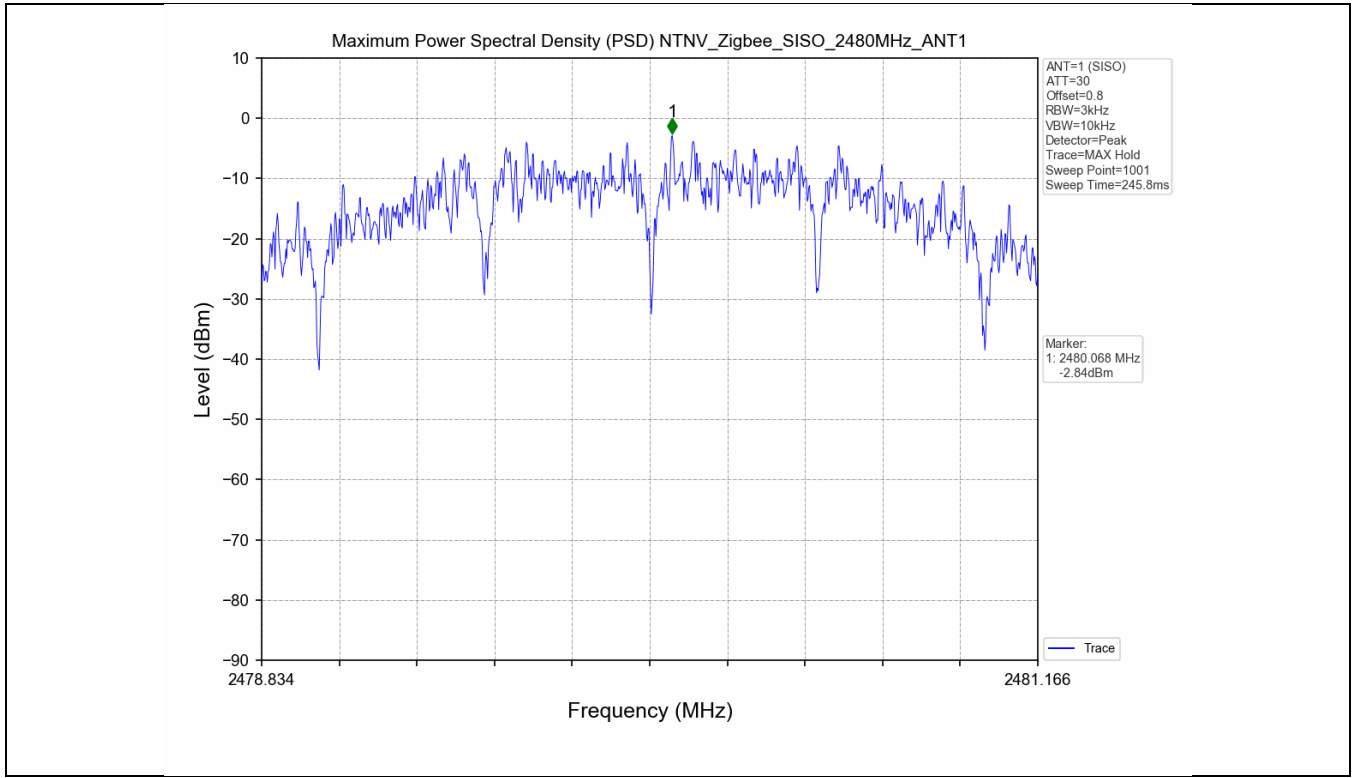
4. Maximum Power Spectral Density (PSD)

4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
Zigbee	2405	SISO	-2.88	≤8	PASS
	2440	SISO	-3.25	≤8	PASS
	2480	SISO	-2.84	≤8	PASS

4.2 Test Graph





5. Unwanted Emissions in Non-restricted Frequency Bands

5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
Zigbee	2405	SISO	1	Refer to test graph	-12.13	PASS
	2440	SISO	1	Refer to test graph	-12.13	PASS
	2480	SISO	1	Refer to test graph	-12.13	PASS

5.2 Test Graph

