



Appendix for SHEM2002001168CR

Power level setting using in test:

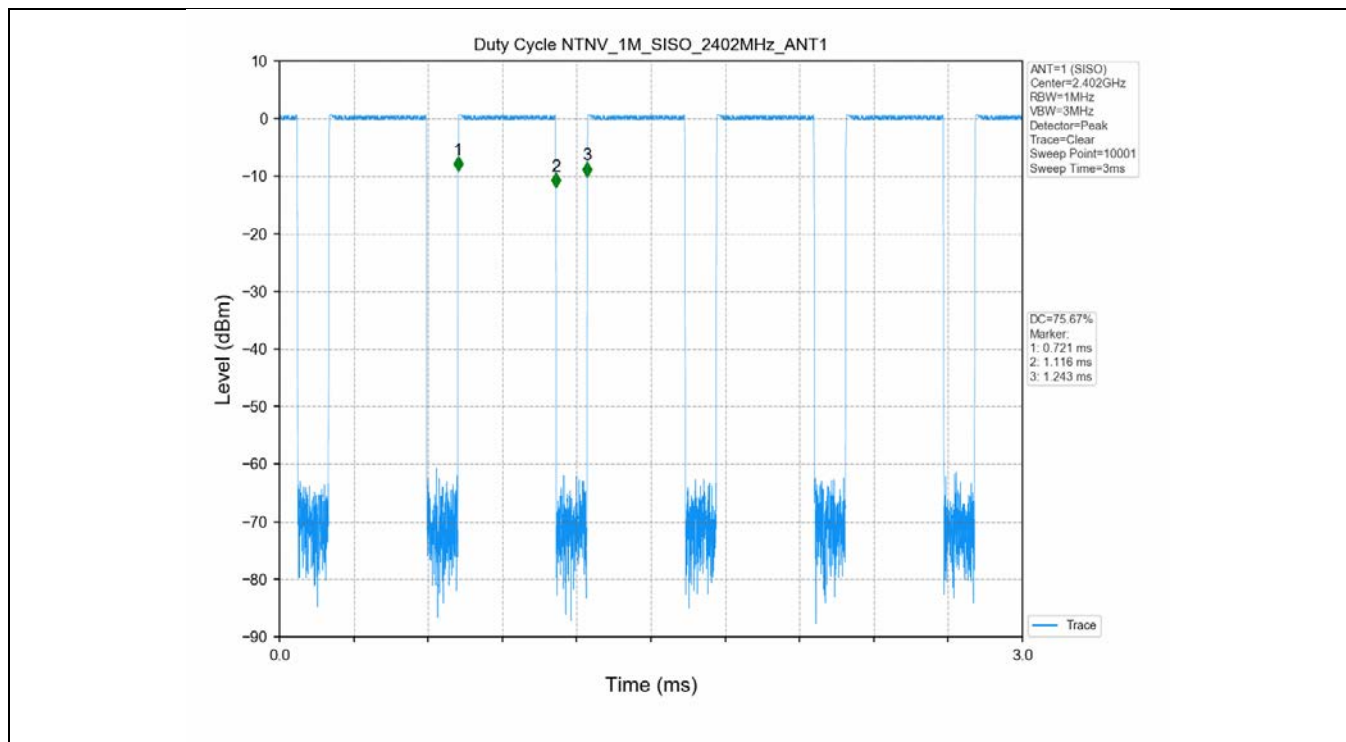
Channel	BLE
0	0
19	0
39	0

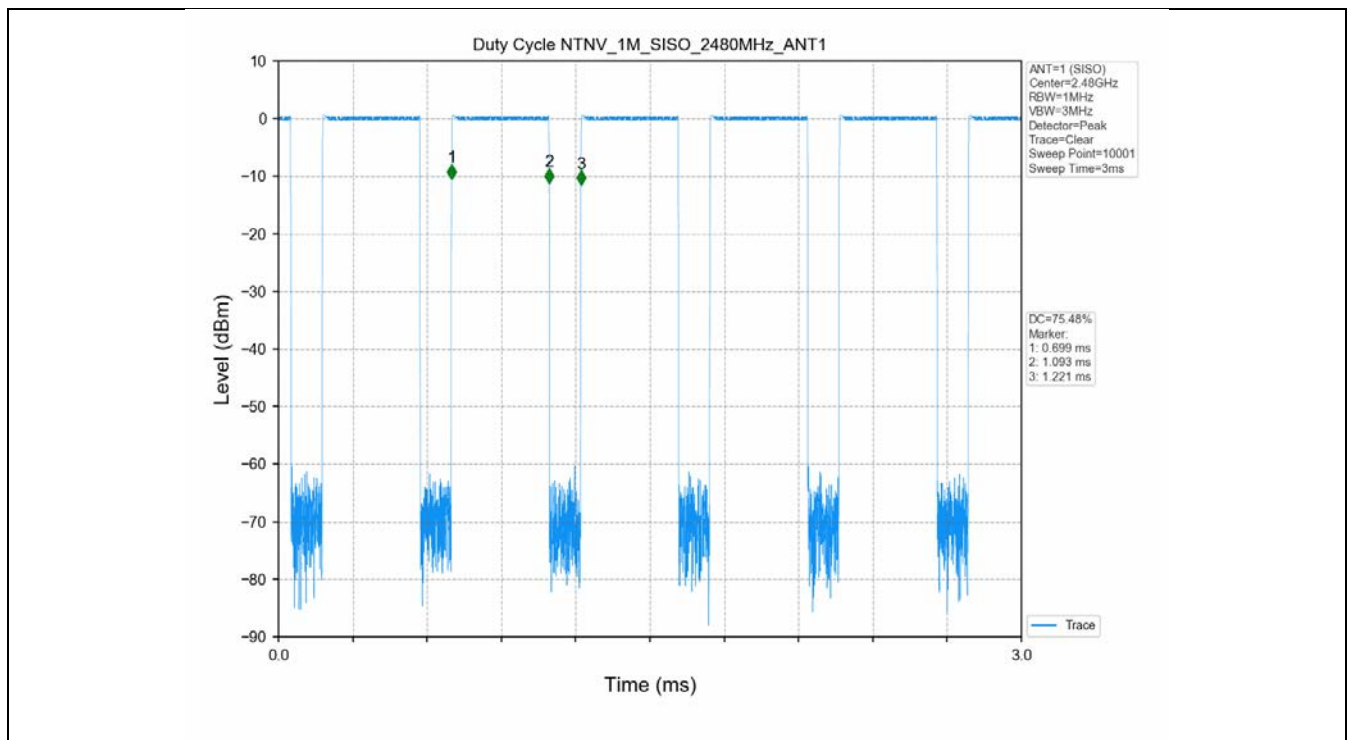
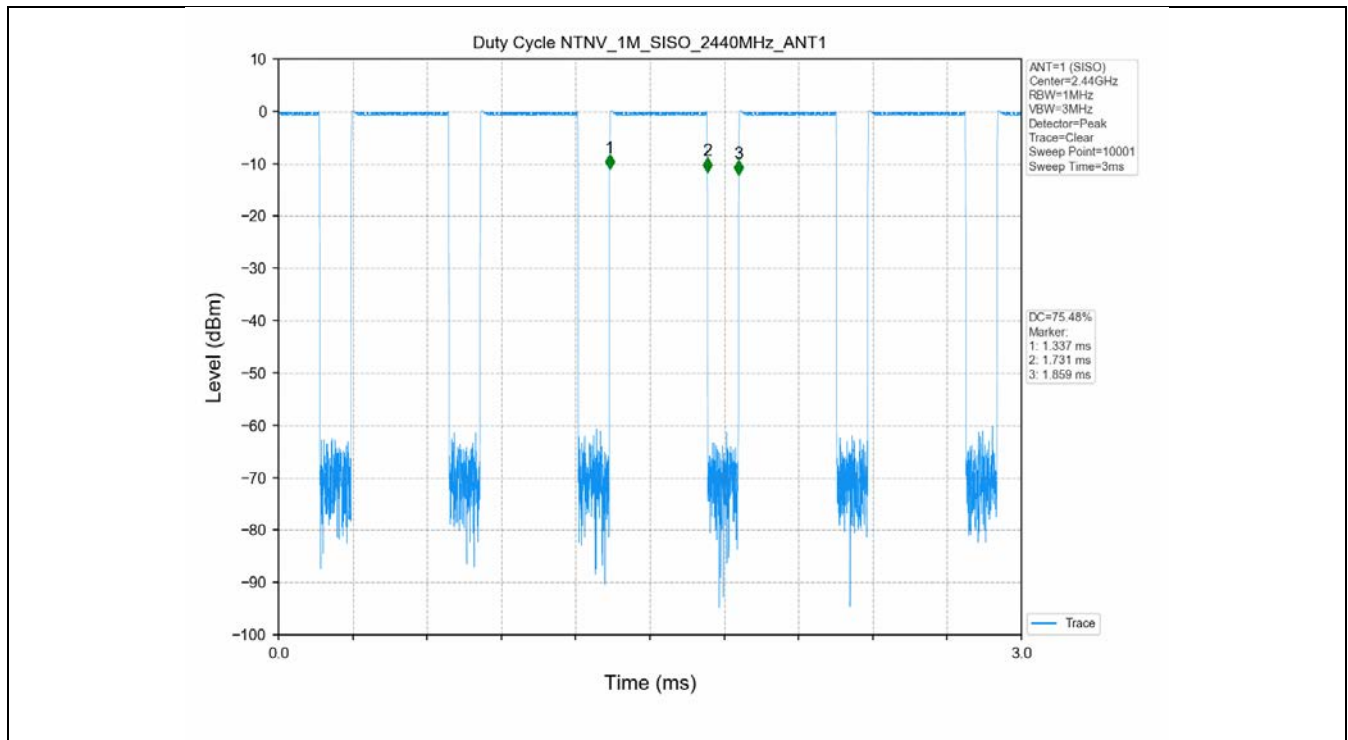
1. Duty Cycle

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)
1M	2402	SISO	1	0.395	0.522	75.67	1.21
	2440	SISO	1	0.394	0.522	75.48	1.22
	2480	SISO	1	0.394	0.522	75.48	1.22

1.2 Test Graph







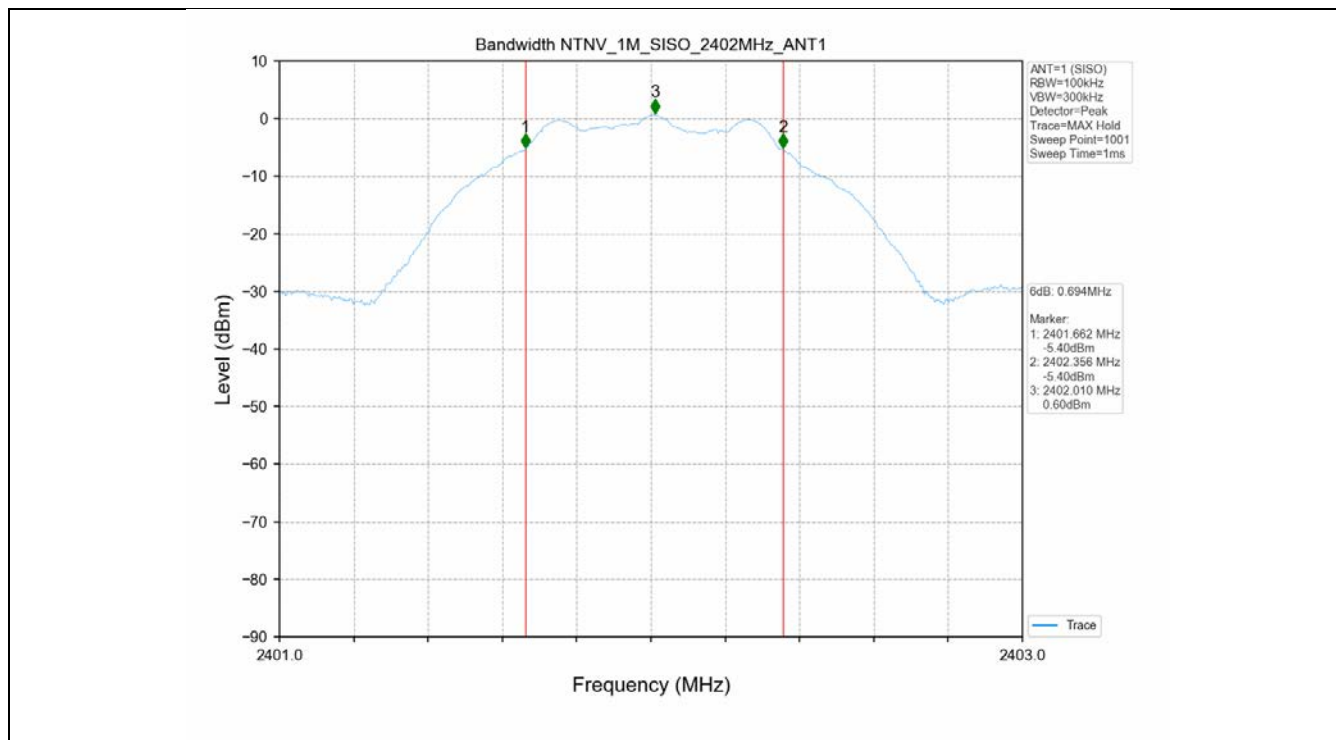
2. Bandwidth

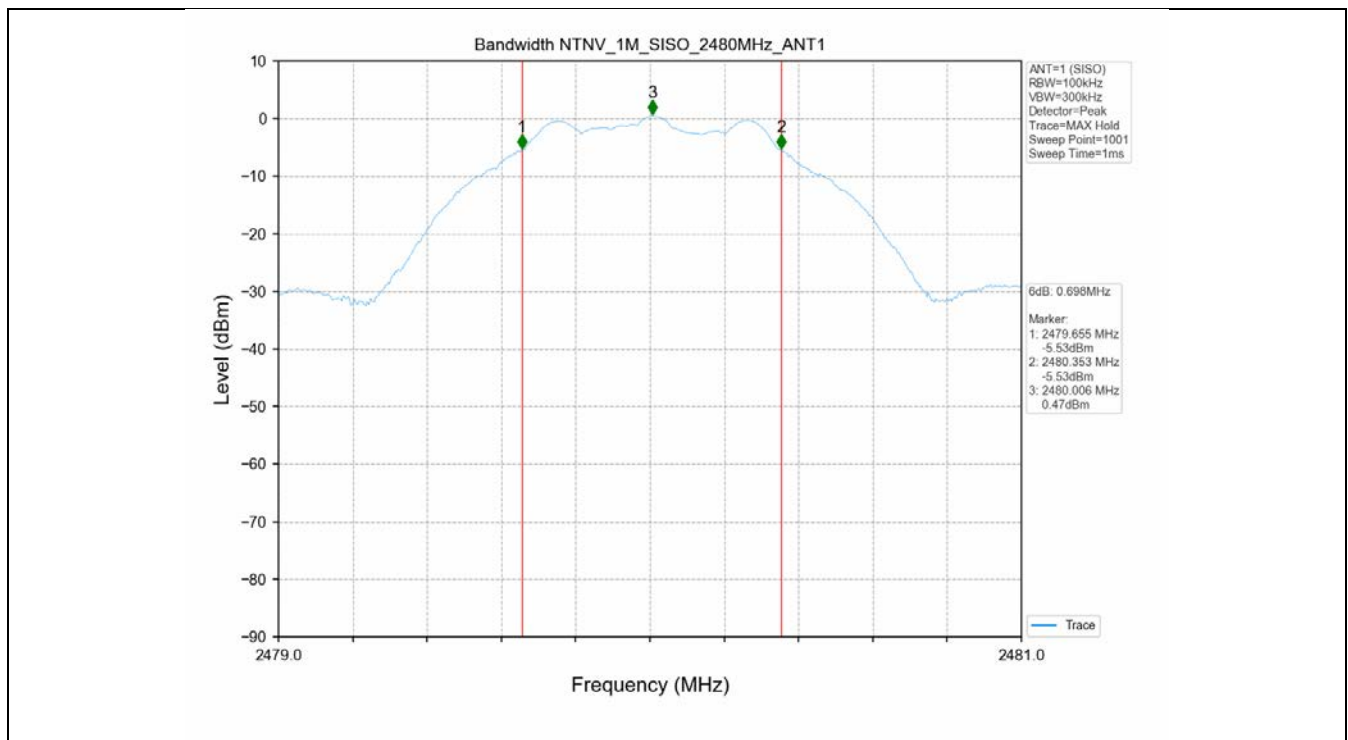
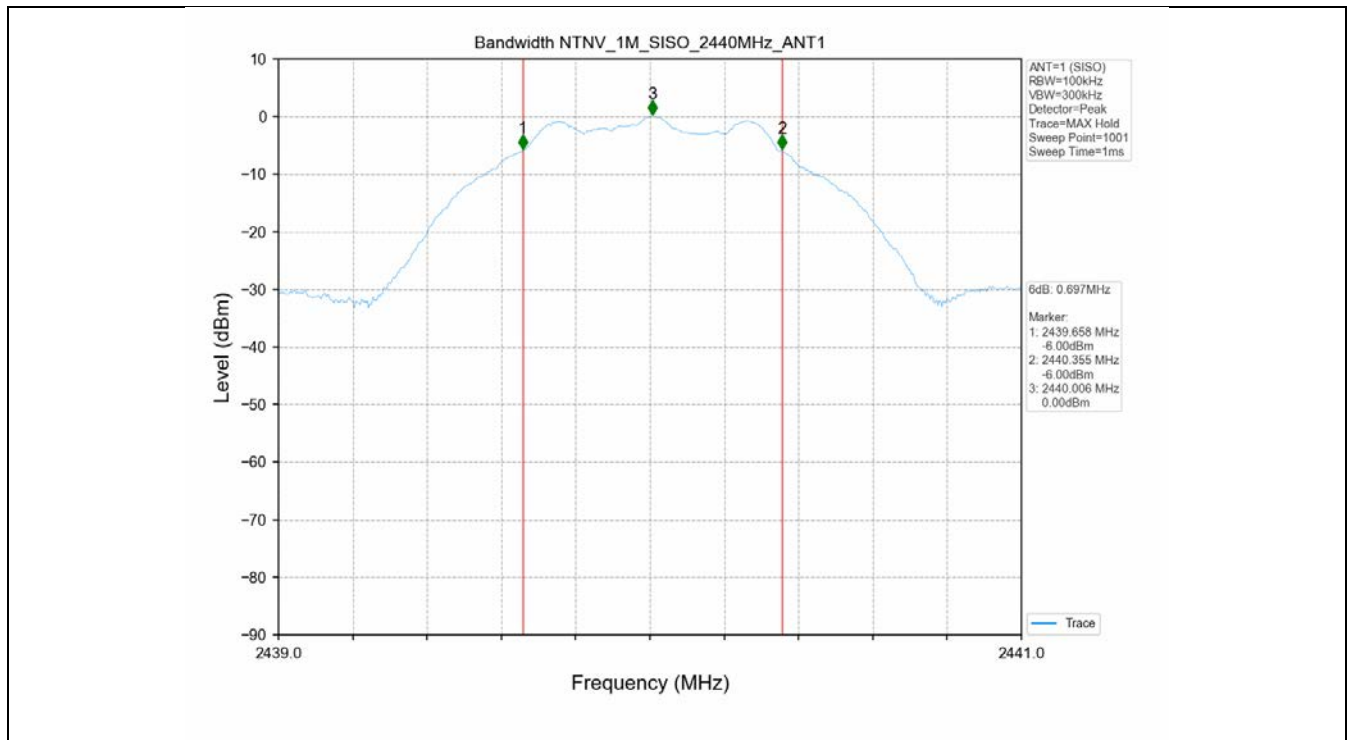
2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth					Verdict
				Test Result (MHz)	Limits (MHz)	1.5*BW (MHz)	Span using in the PSD (MHz)	Span using in the Power (MHz)	
1M	2402	SISO	1	0.694	≥ 0.5	1.041	1.040	3.000	PASS
	2440	SISO	1	0.697	≥ 0.5	1.046	1.044	3.000	PASS
	2480	SISO	1	0.698	≥ 0.5	1.047	1.048	3.000	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
1M	2402	SISO	1	1.047	Only for Report Use
	2440	SISO	1	1.048	Only for Report Use
	2480	SISO	1	1.051	Only for Report Use

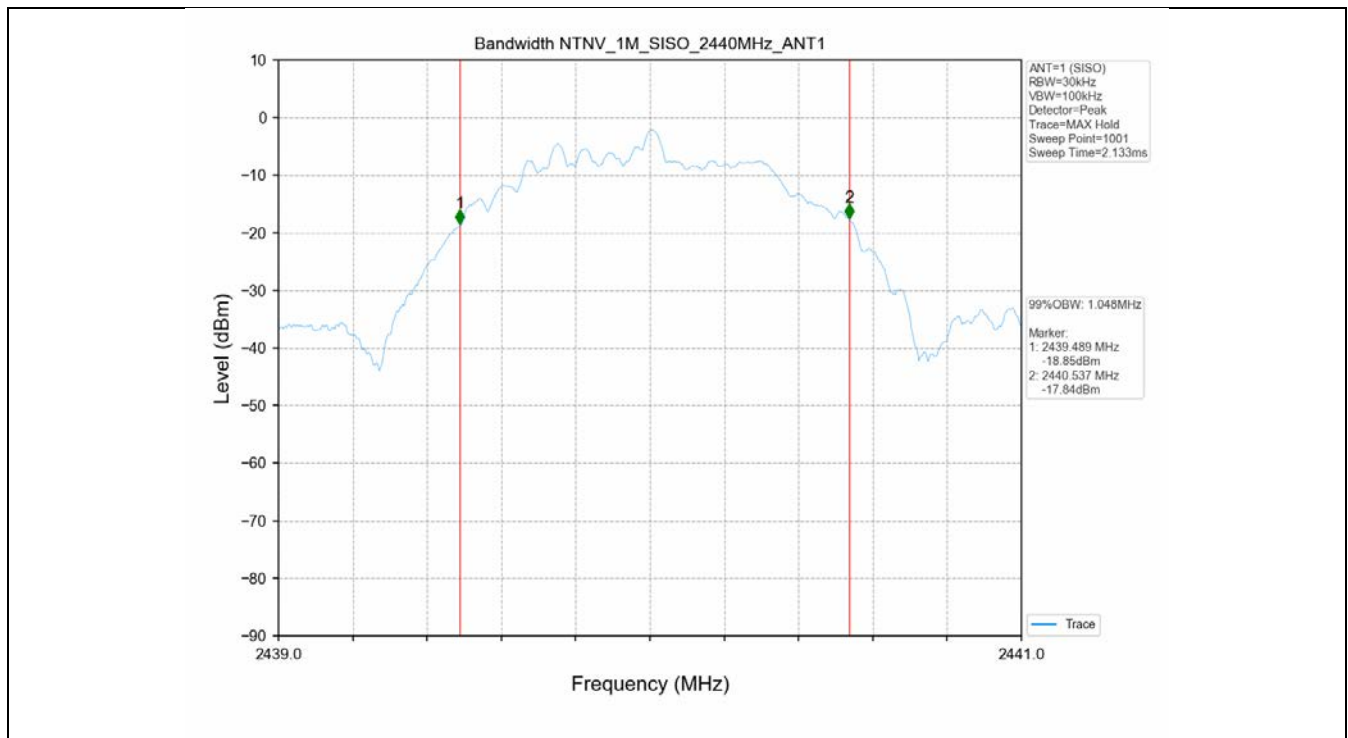
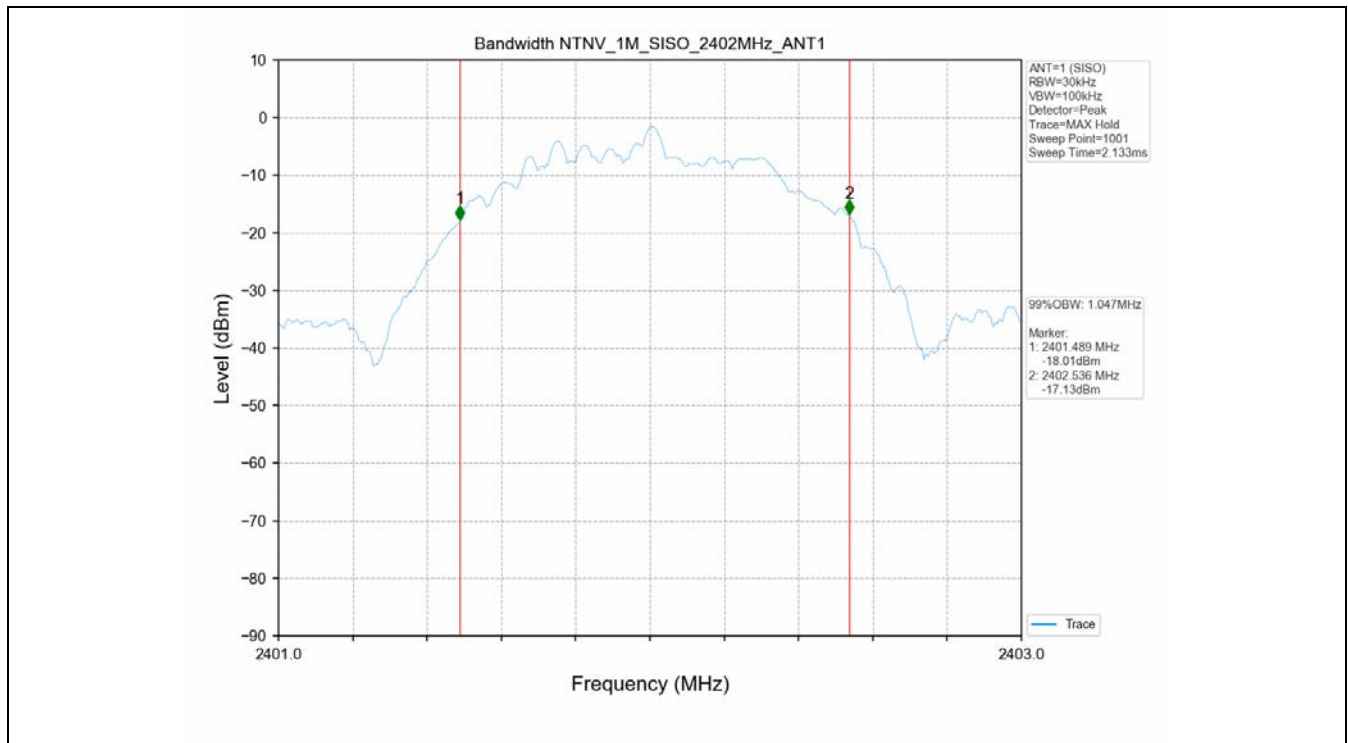
2.2 Test Graph - 6dB Bandwidth

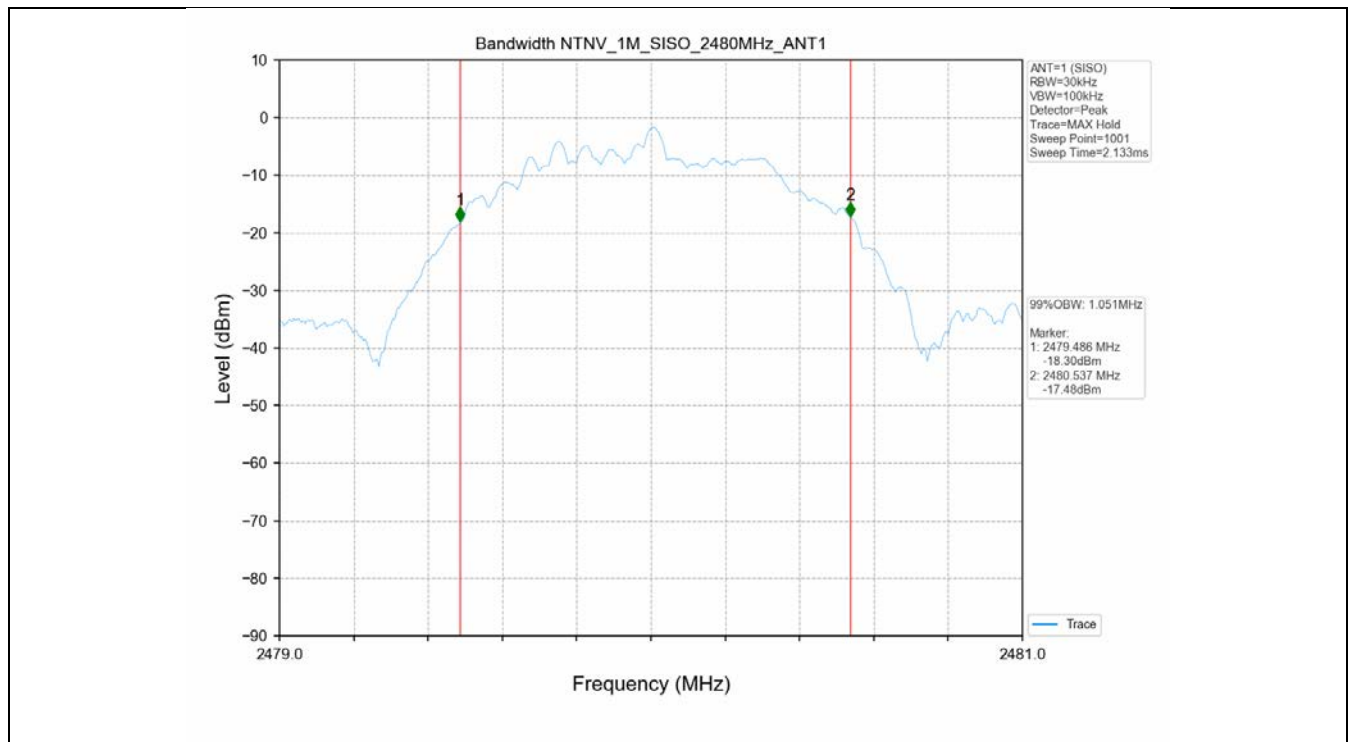






2.3 Test Graph - 99% Occupied Bandwidth



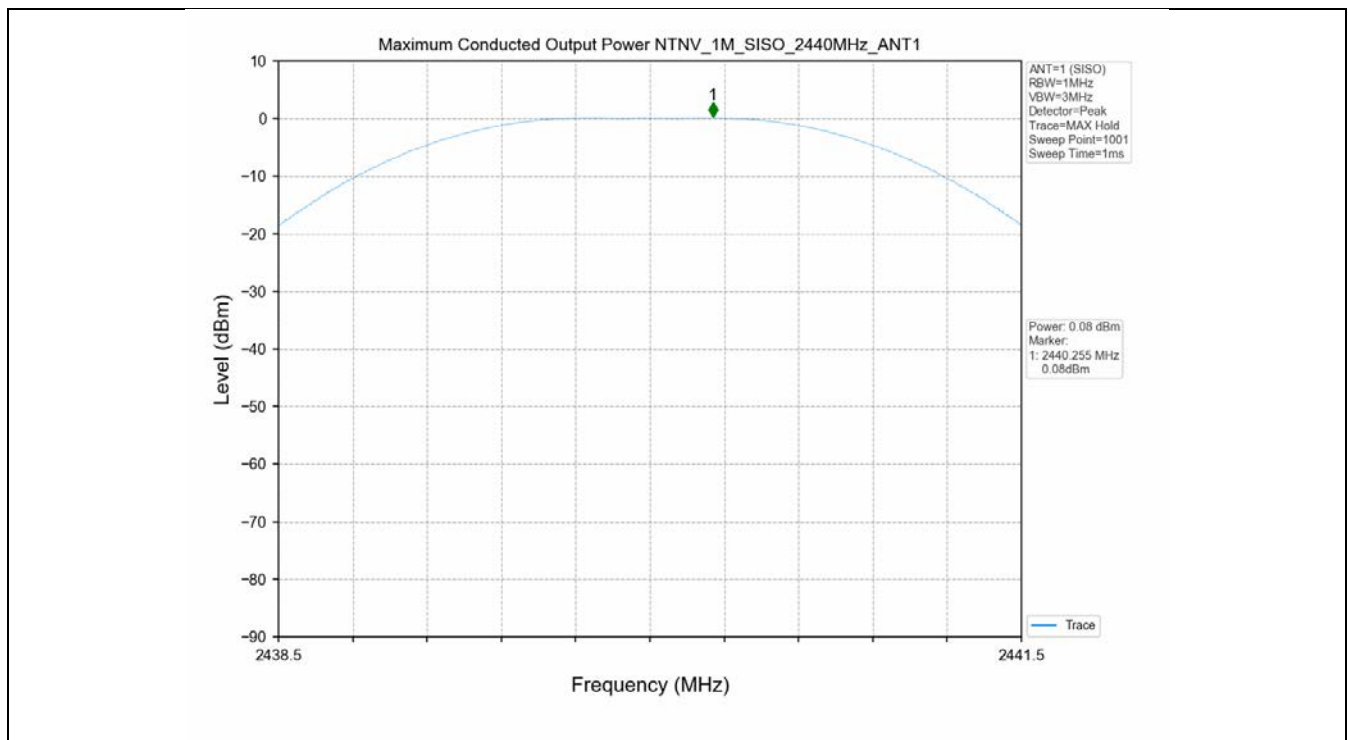
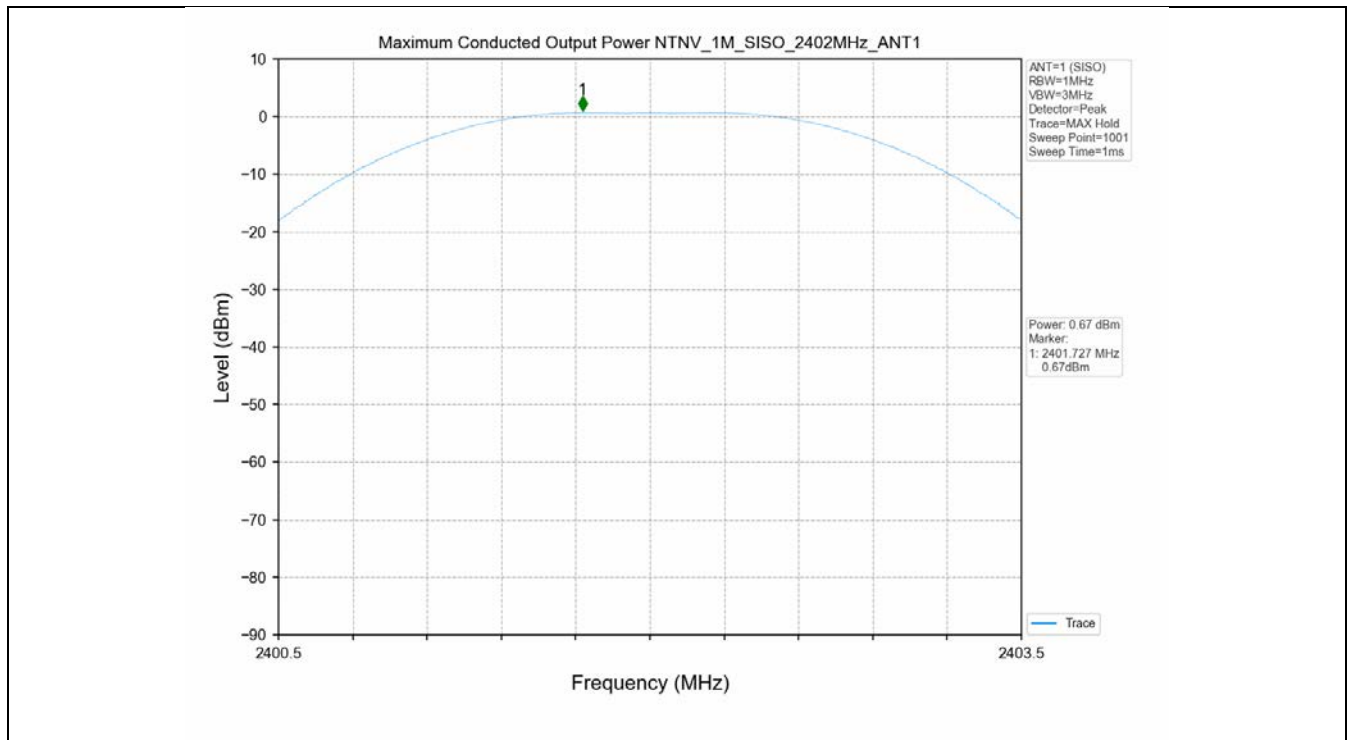


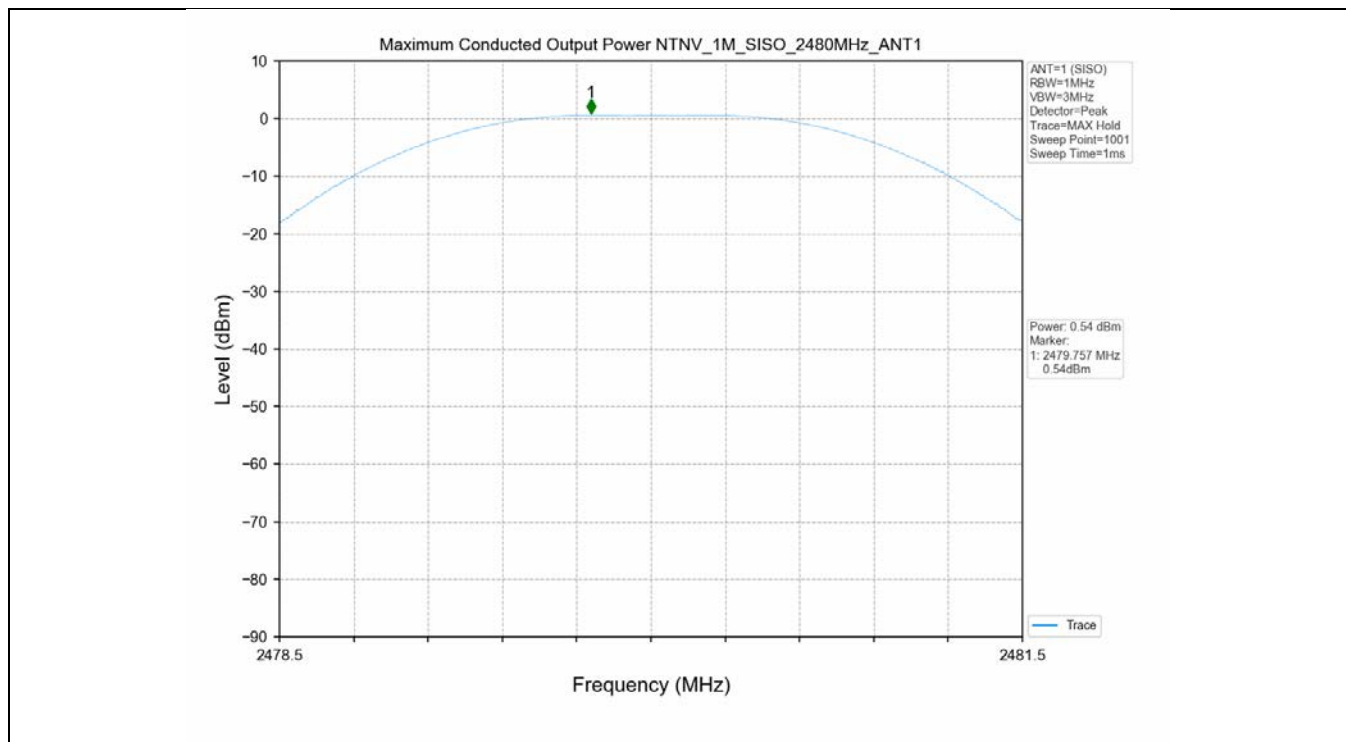
3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
1M	2402	SISO	0.67	30	PASS
	2440	SISO	0.08	30	PASS
	2480	SISO	0.54	30	PASS

3.2 Test Graph



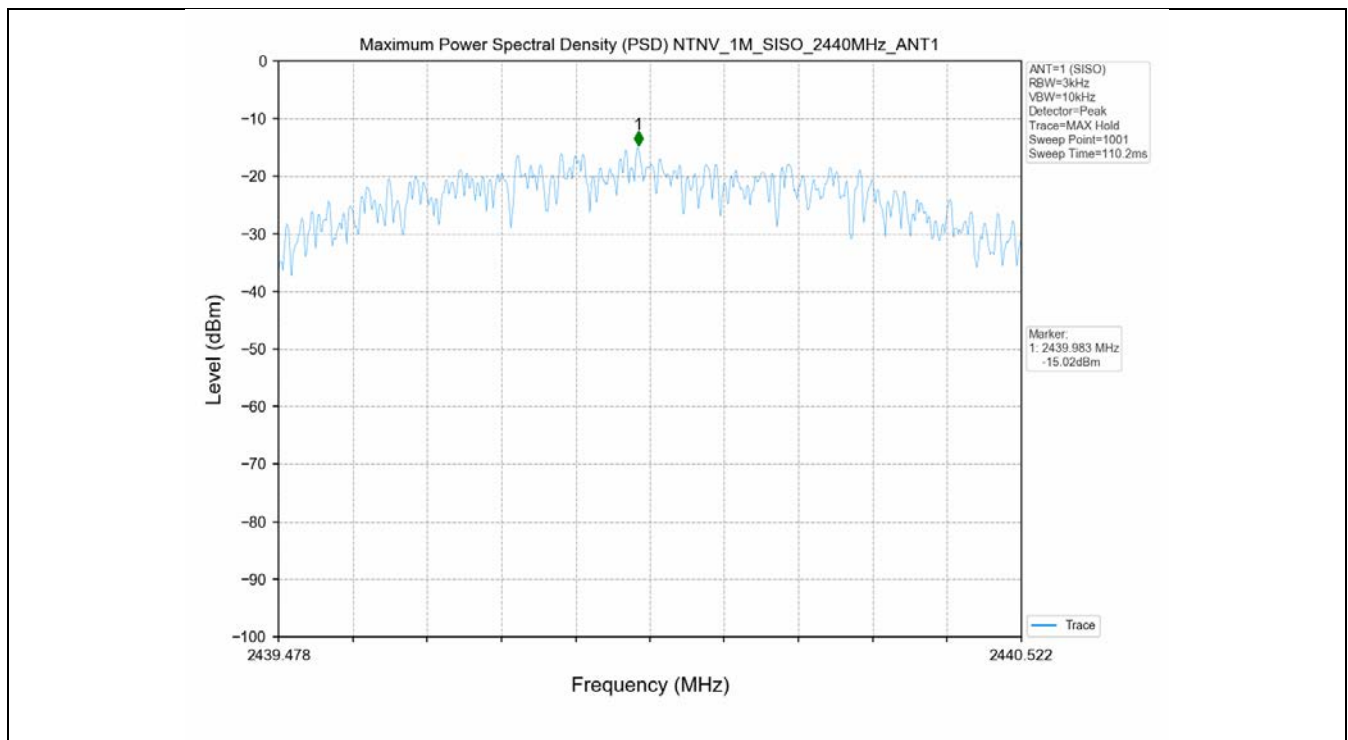
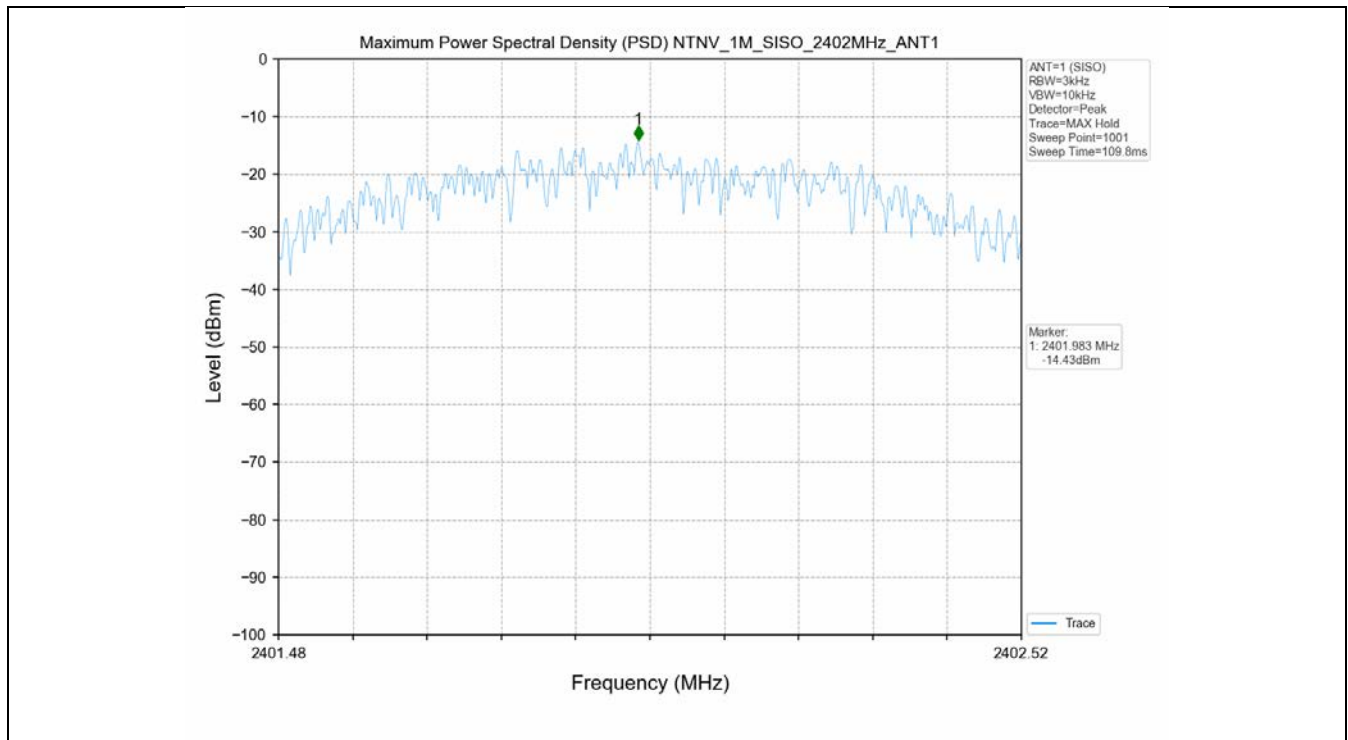


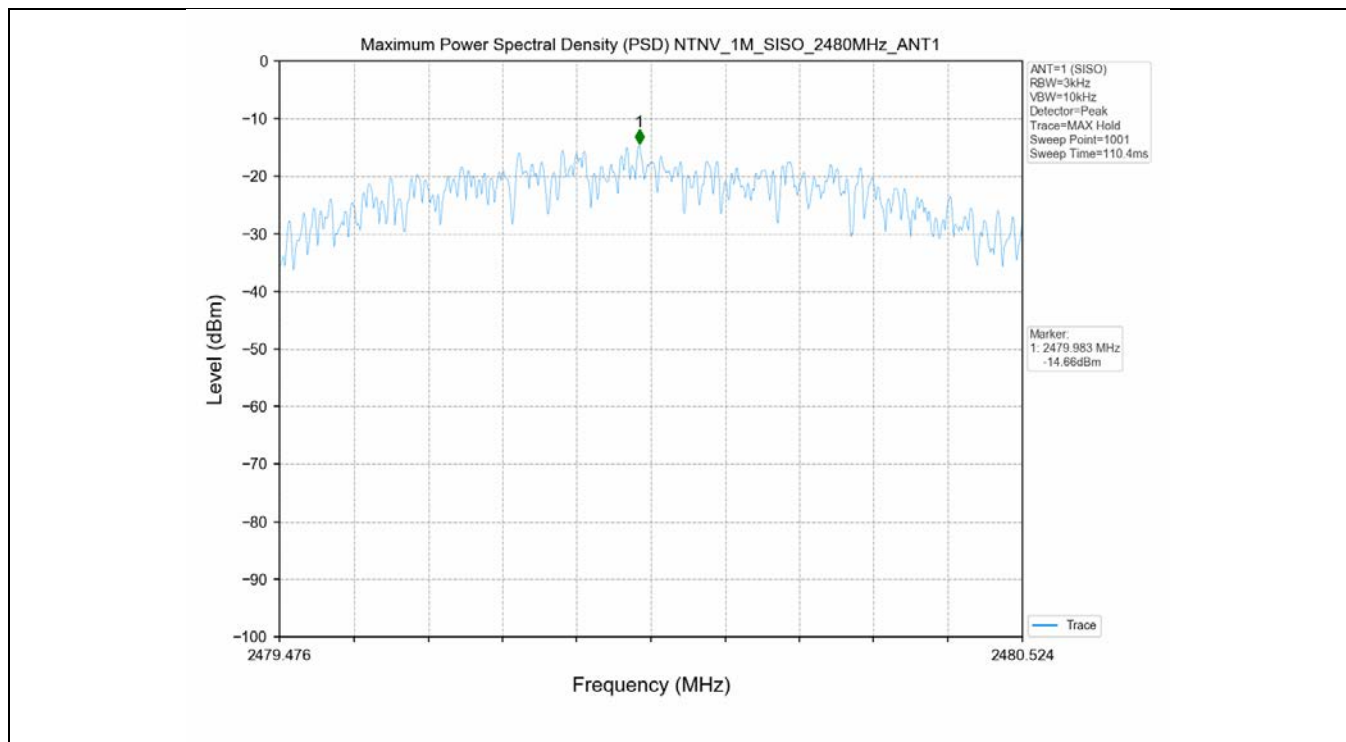
4. Maximum Power Spectral Density (PSD)

4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
1M	2402	SISO	-14.43	≤8	PASS
	2440	SISO	-15.02	≤8	PASS
	2480	SISO	-14.66	≤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
1M	2402	SISO	1	Refer to test graph	-19.41	PASS
	2440	SISO	1	Refer to test graph	-19.41	PASS
	2480	SISO	1	Refer to test graph	-19.41	PASS

5.2 Test Graph

