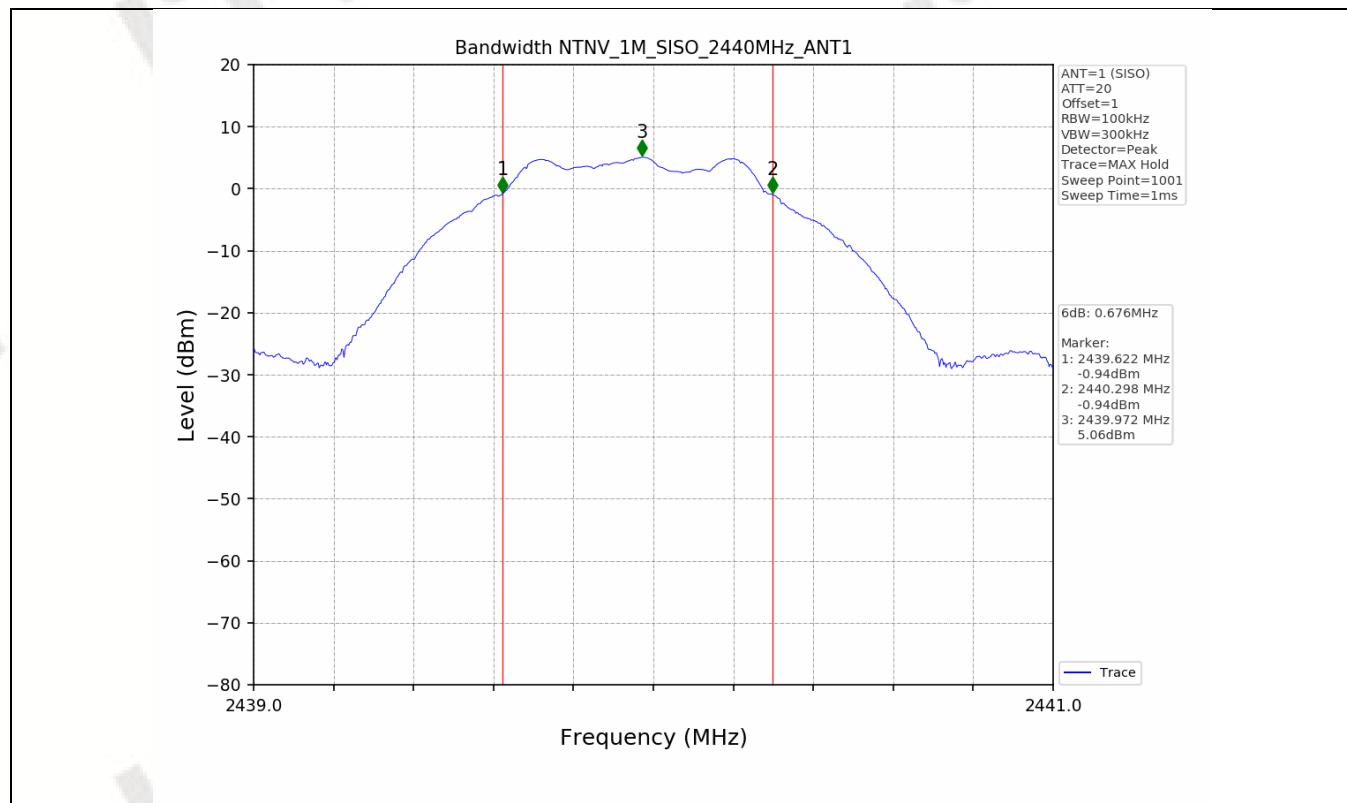
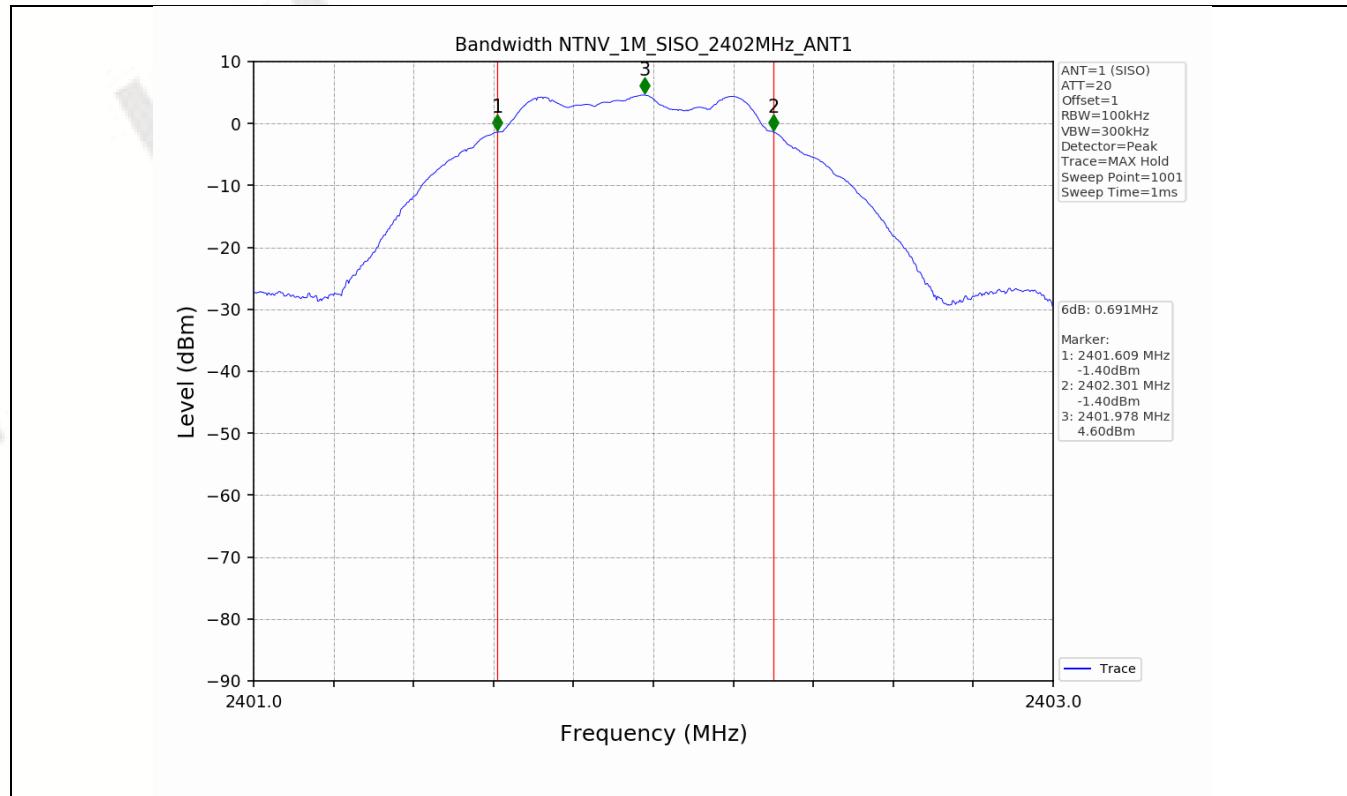


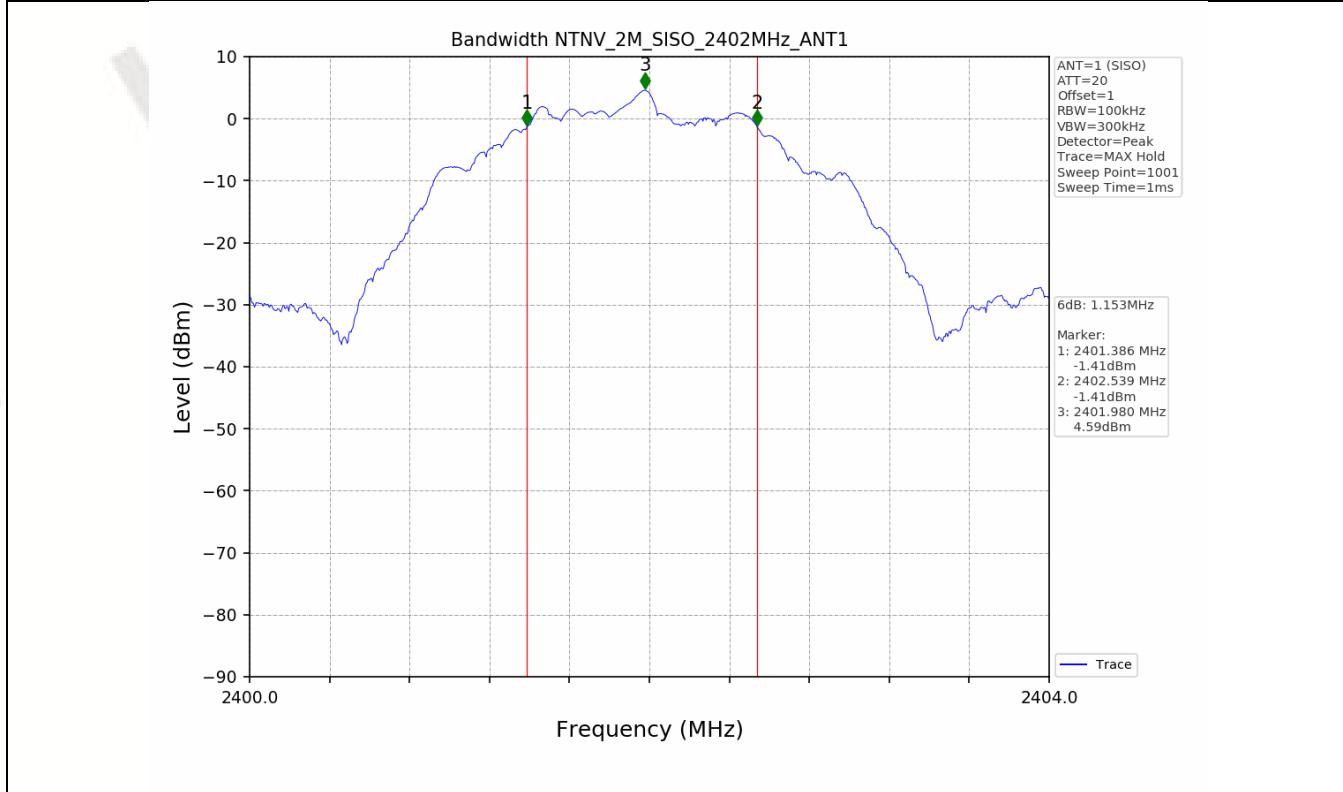
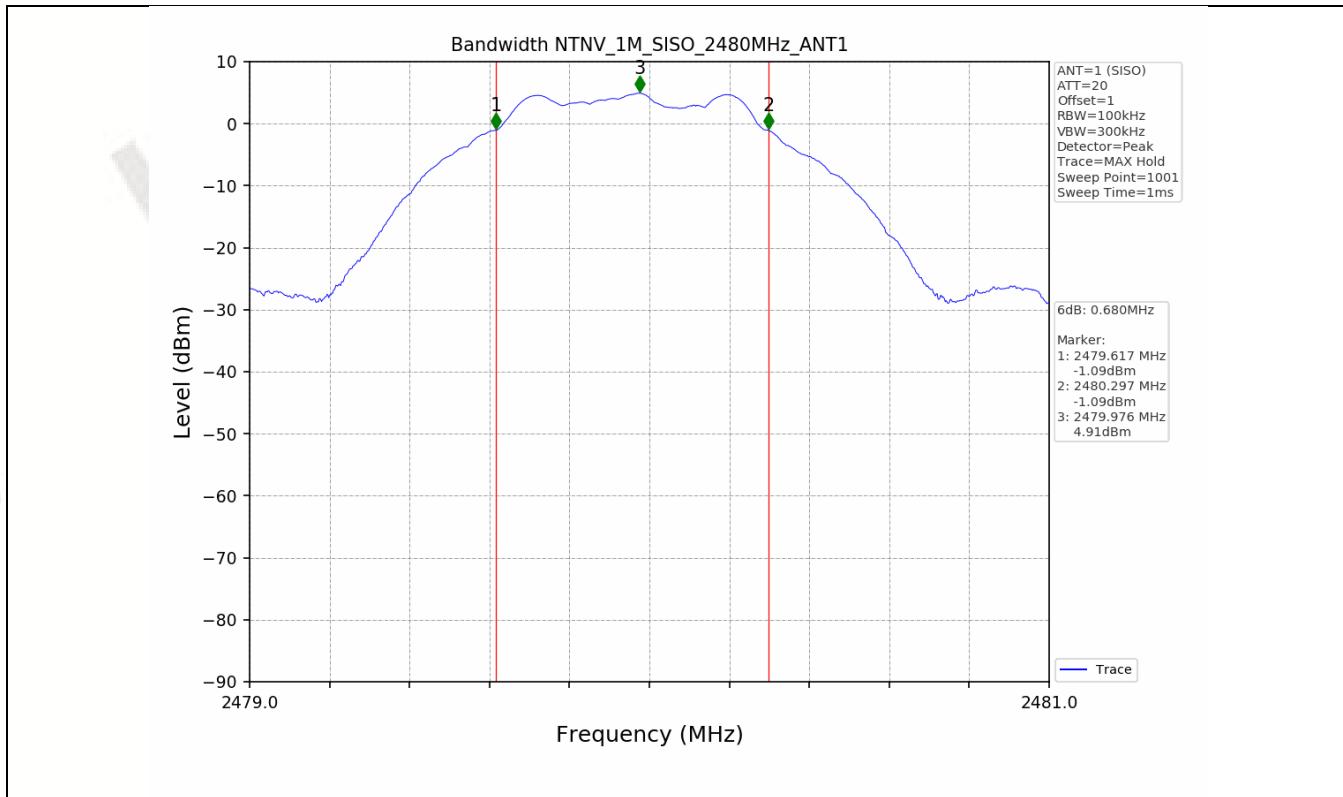
Appendix for 15.247**Product Name: Smart Hydrant Solutions****Test Model: Gateway Generation 4****1. Bandwidth****1.1 Test Result**

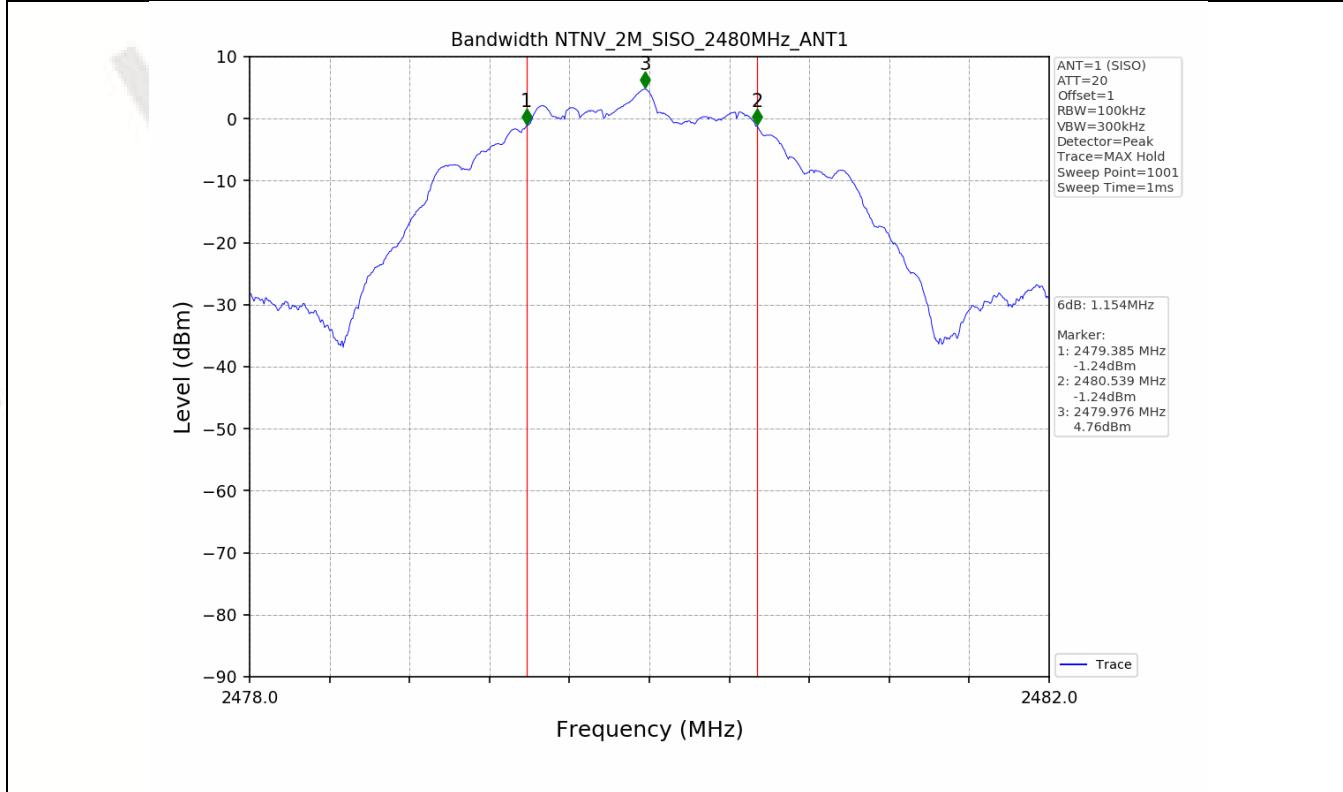
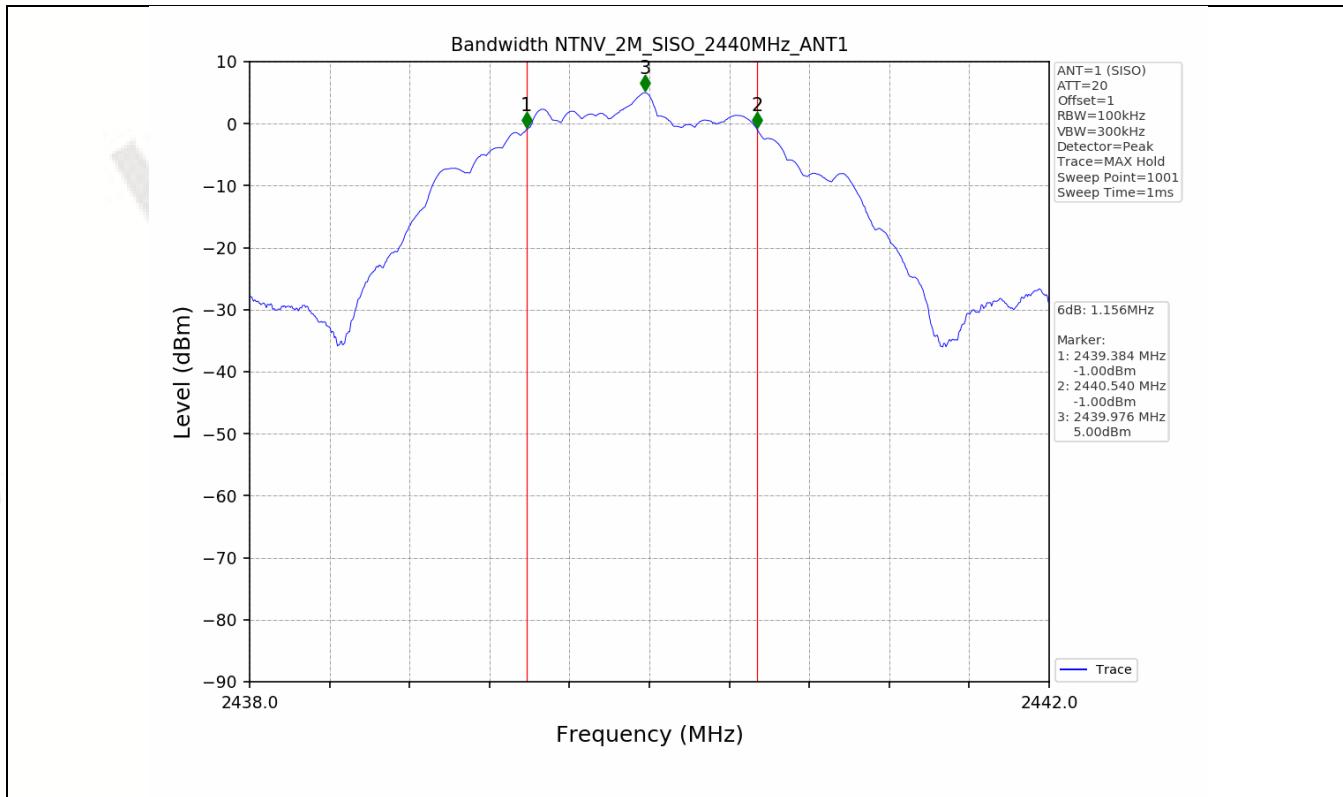
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
1M	2402	SISO	1	0.691	≥0.5	PASS
	2440	SISO	1	0.676	≥0.5	PASS
	2480	SISO	1	0.680	≥0.5	PASS
2M	2402	SISO	1	1.153	≥0.5	PASS
	2440	SISO	1	1.156	≥0.5	PASS
	2480	SISO	1	1.154	≥0.5	PASS

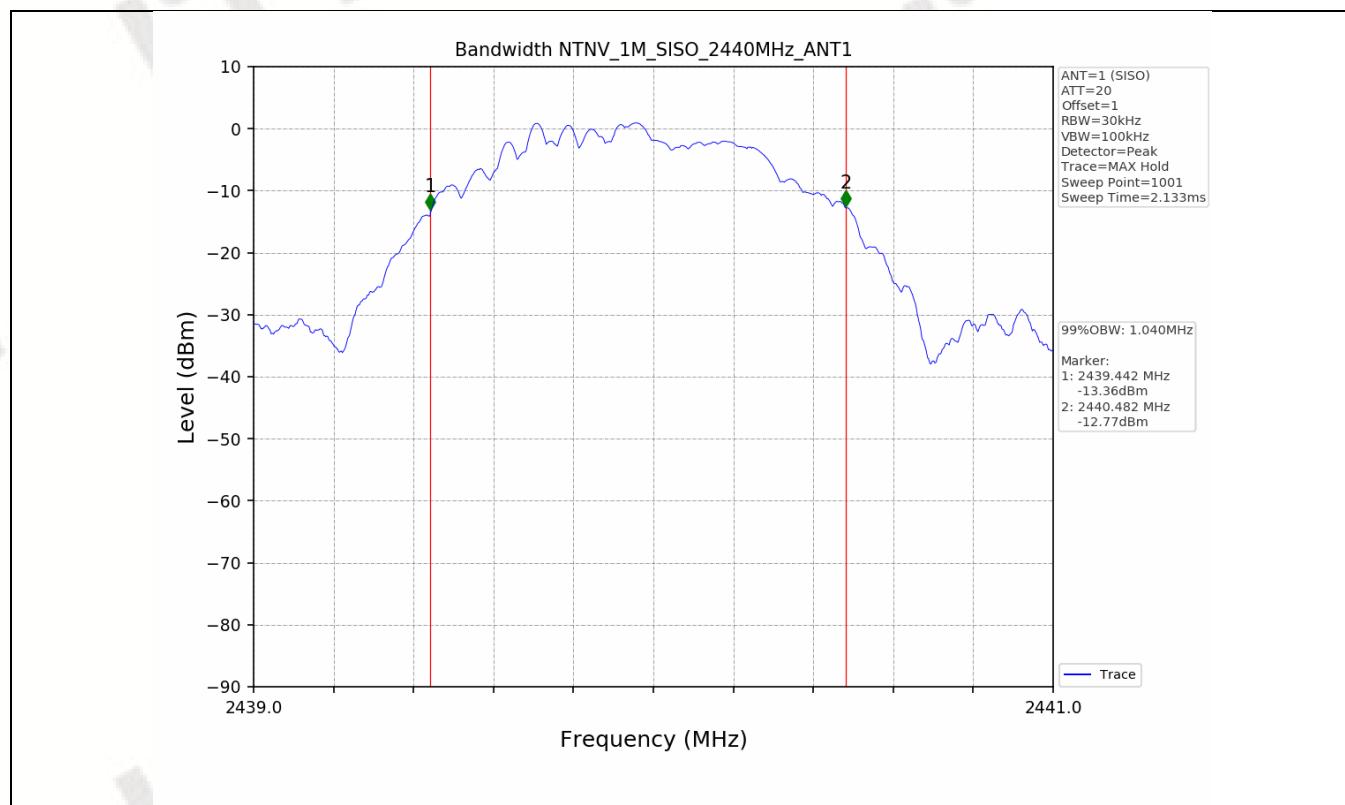
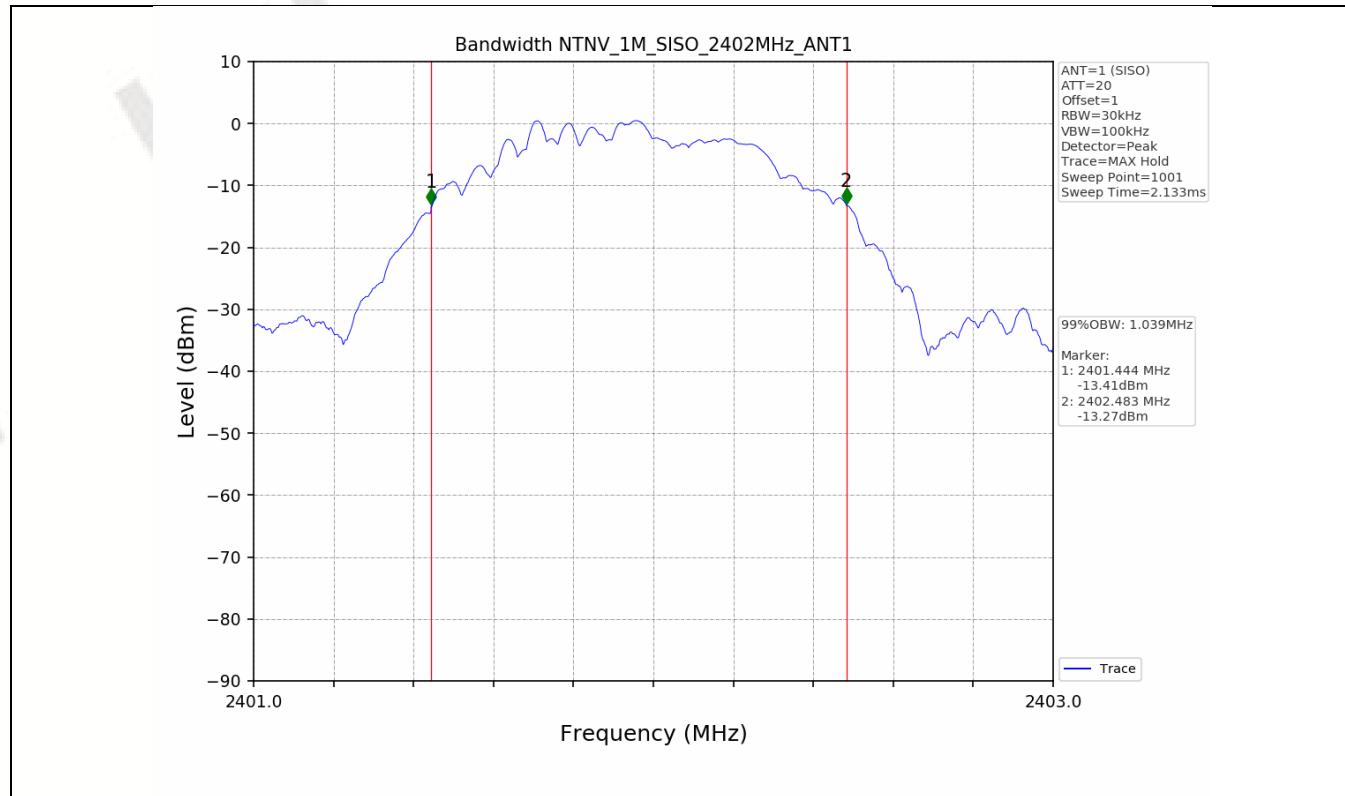
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
1M	2402	SISO	1	1.039	Only for Report Use
	2440	SISO	1	1.040	Only for Report Use
	2480	SISO	1	1.039	Only for Report Use
2M	2402	SISO	1	2.058	Only for Report Use
	2440	SISO	1	2.063	Only for Report Use
	2480	SISO	1	2.063	Only for Report Use

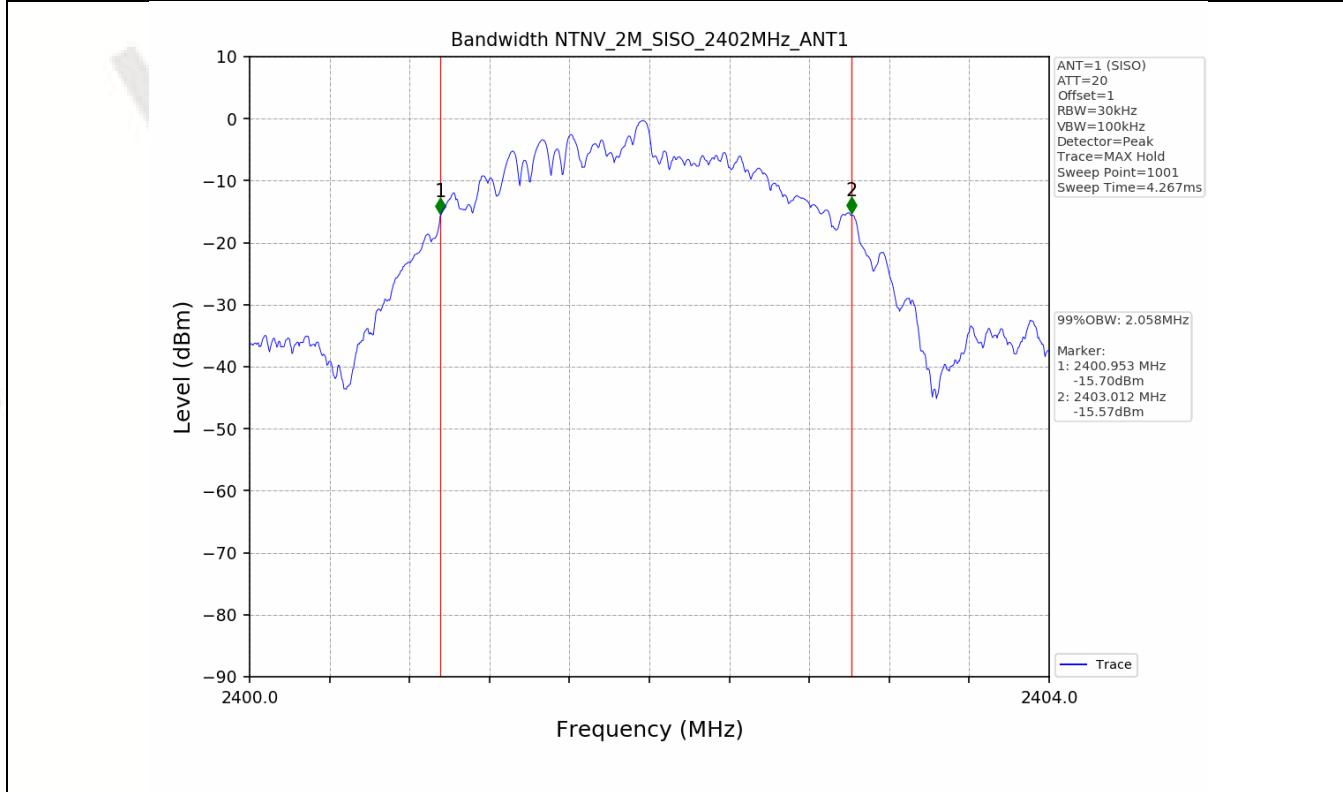
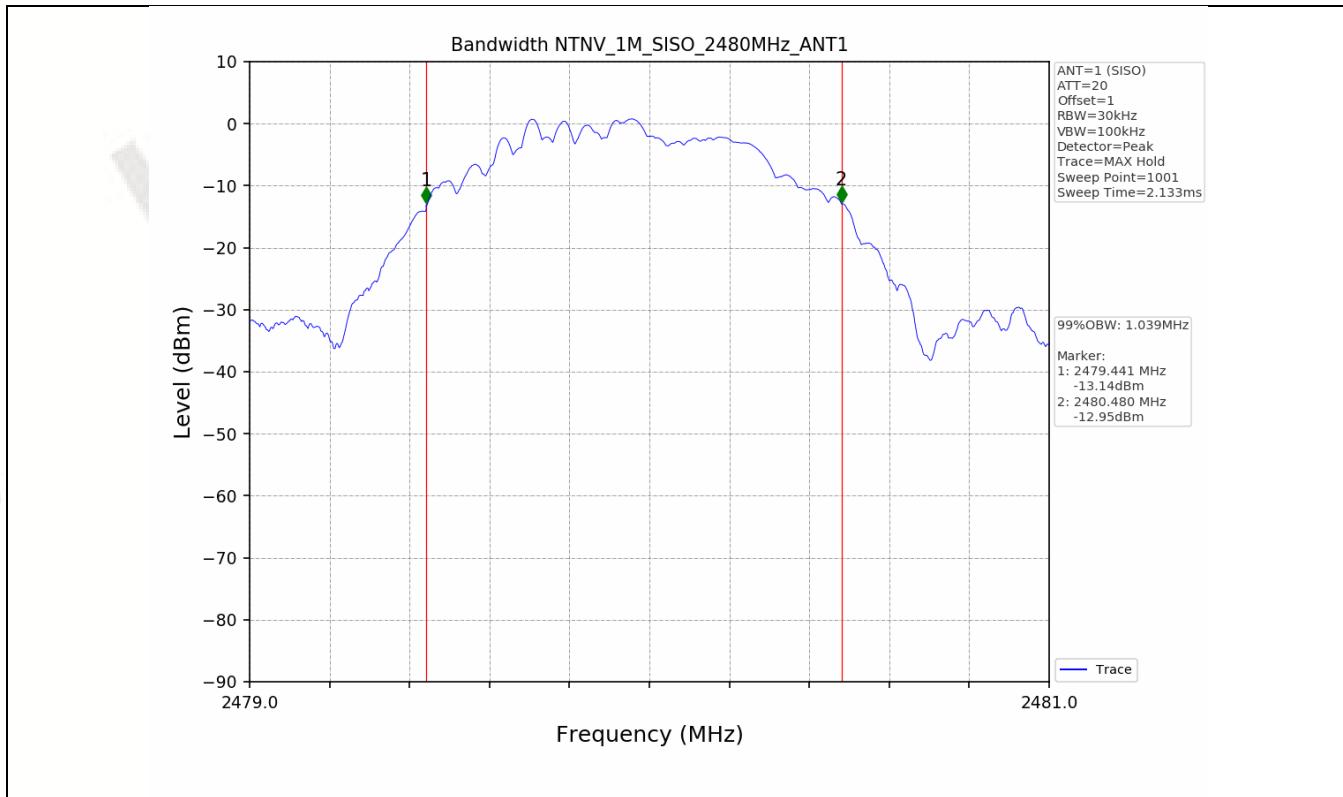
1.2 Test Graph - 6dB Bandwidth

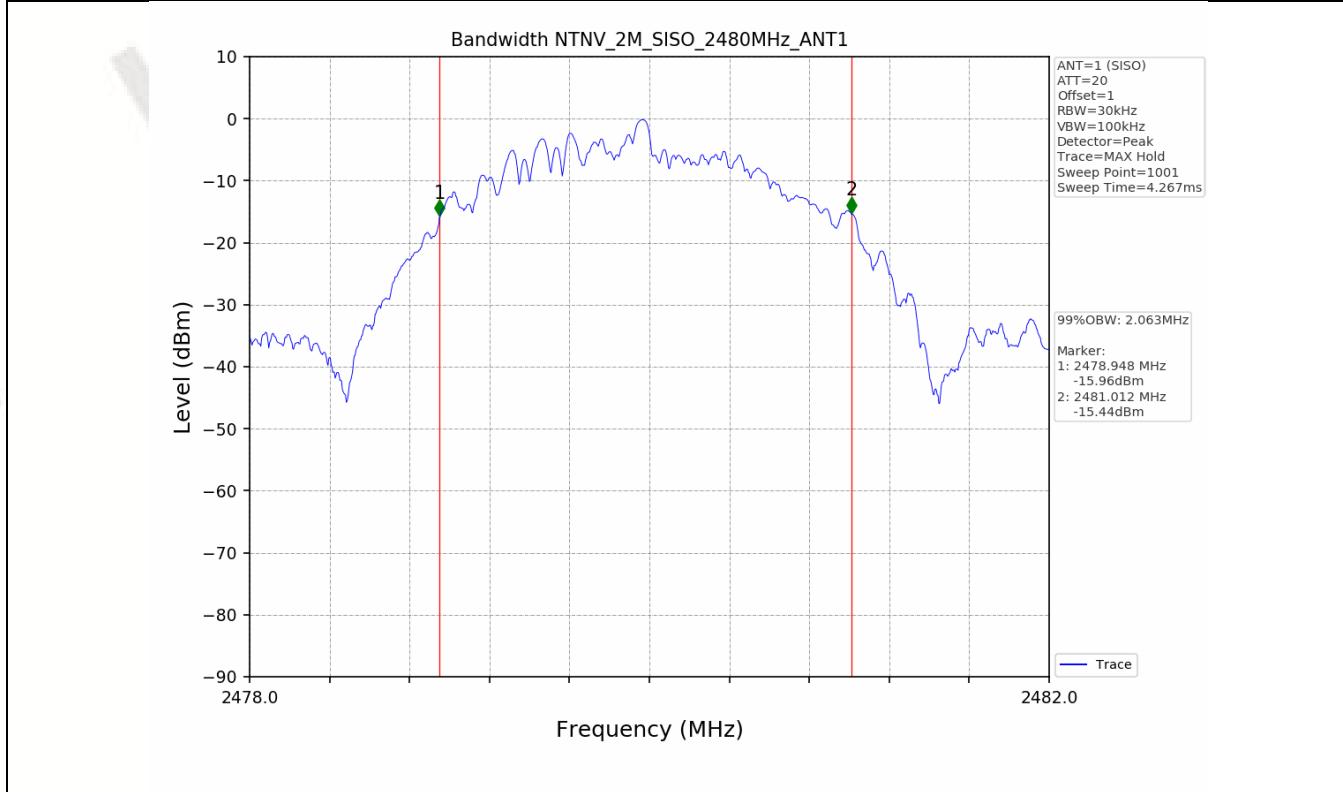
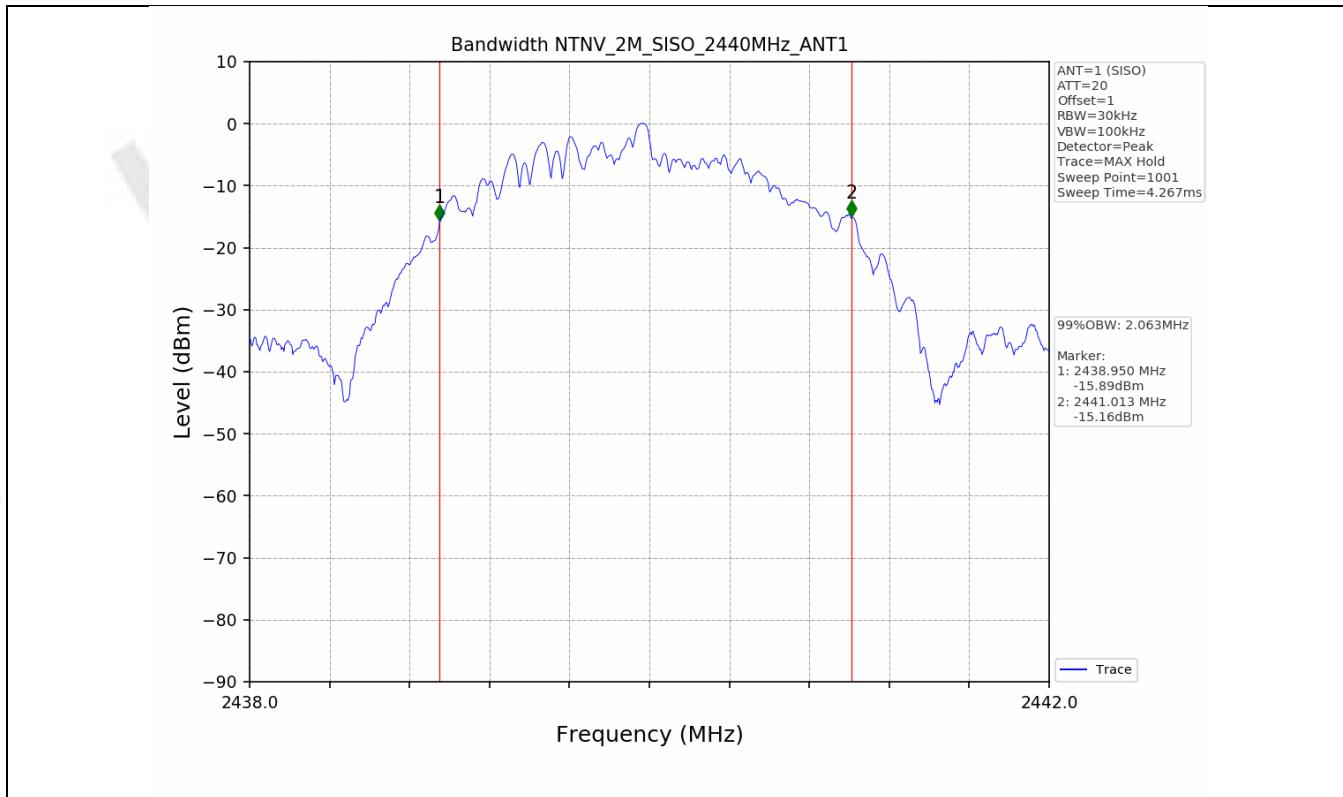






1.3 Test Graph - 99% Occupied Bandwidth



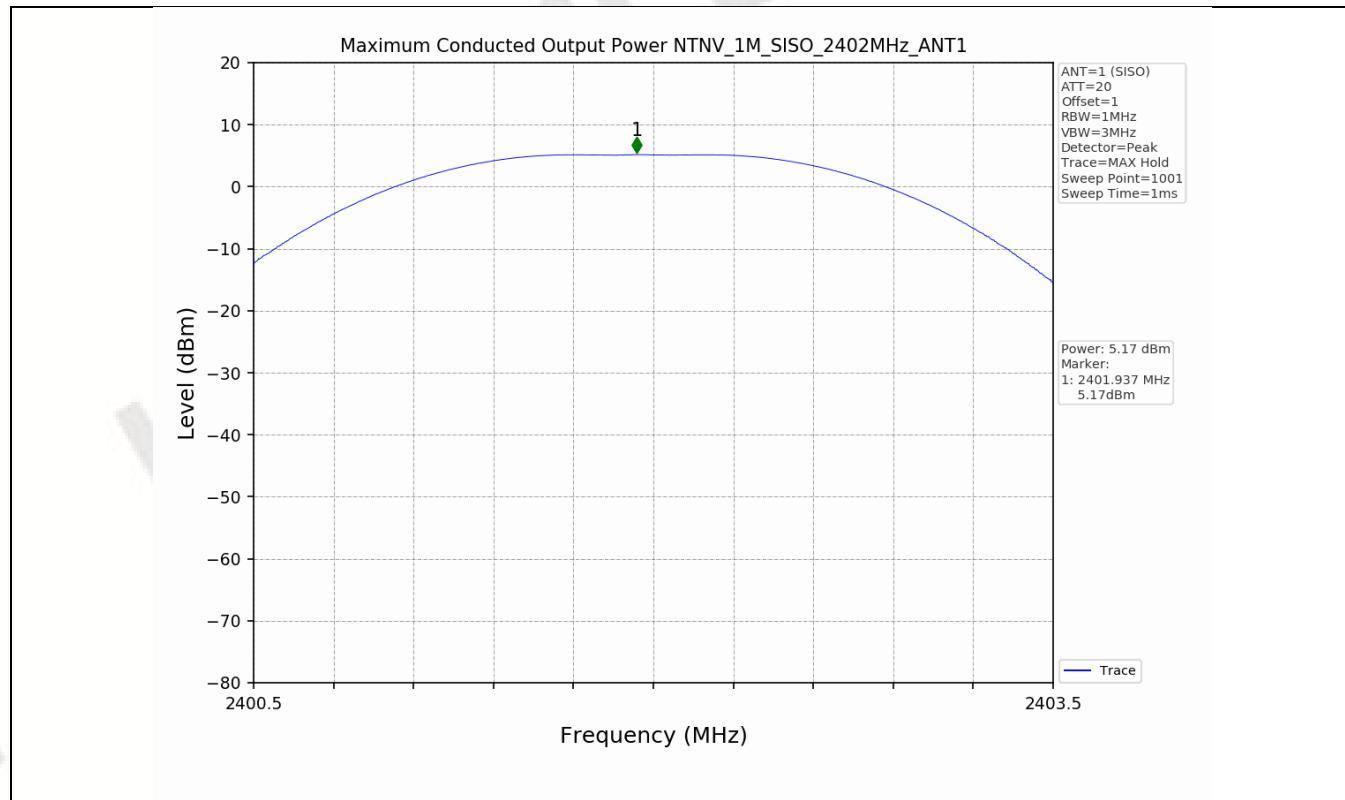


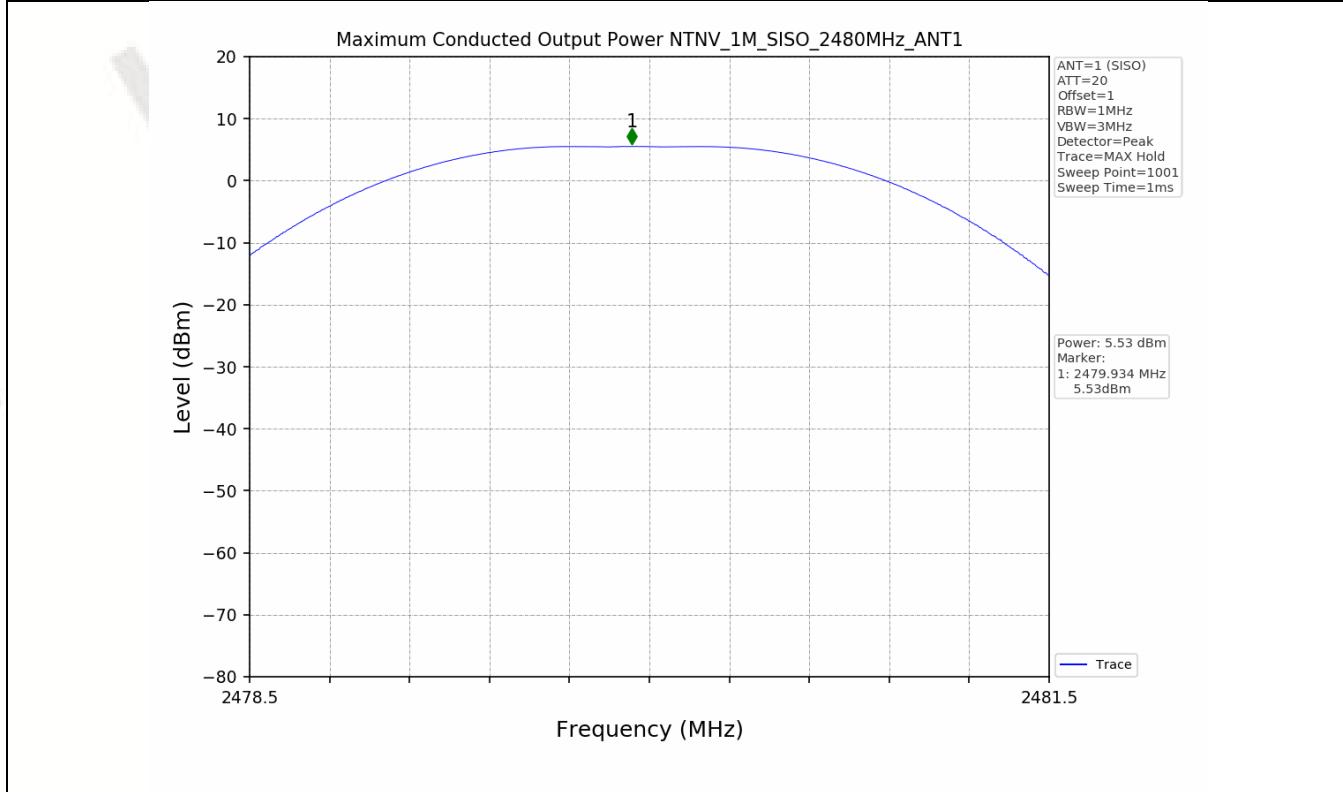
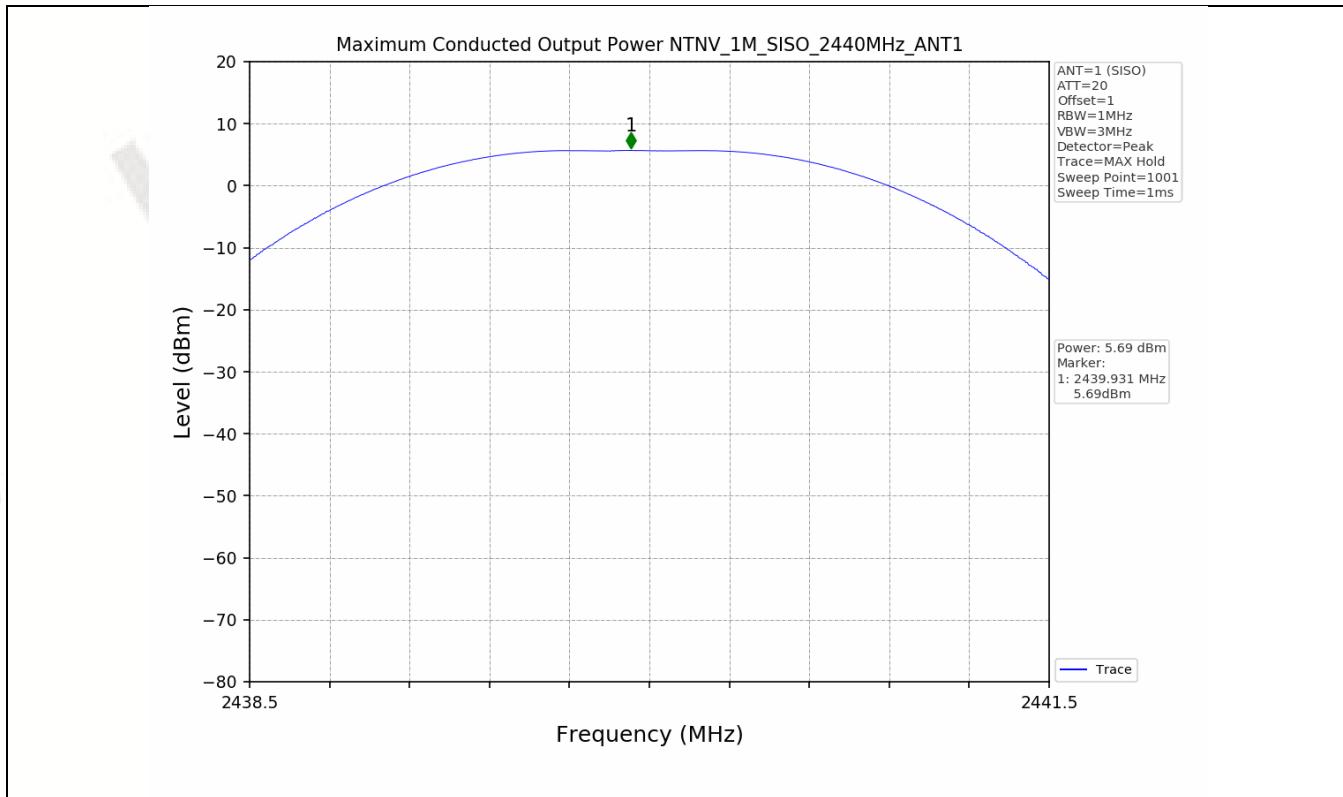
2. Maximum Conducted Output Power

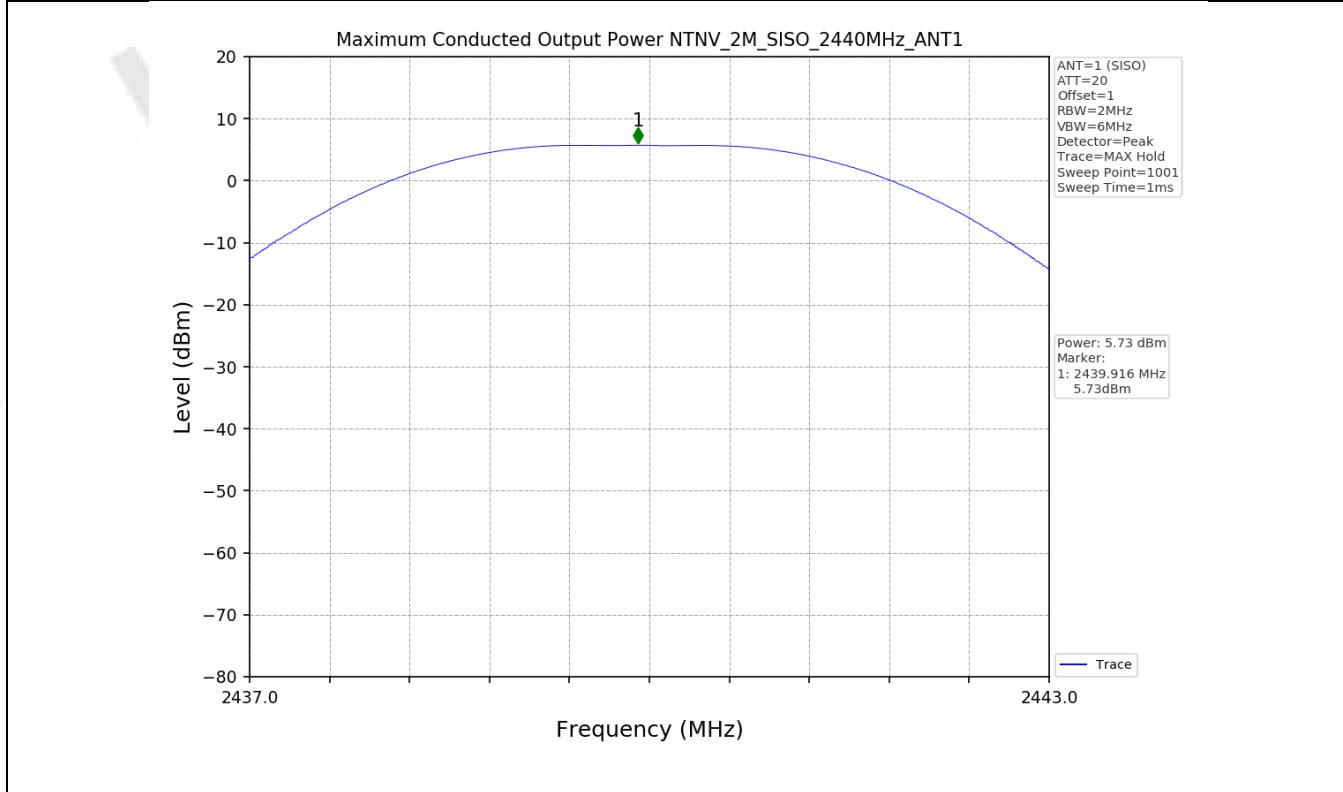
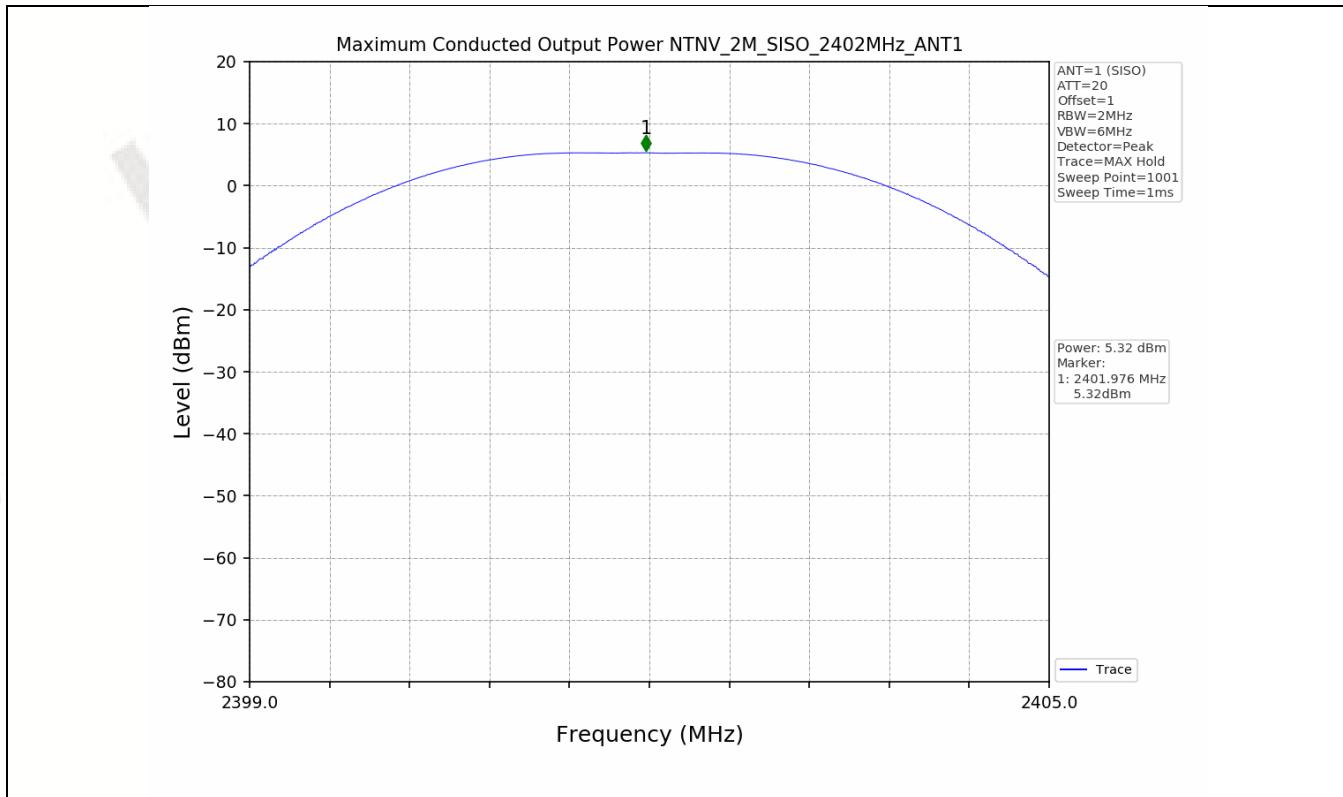
2.1 Test Result

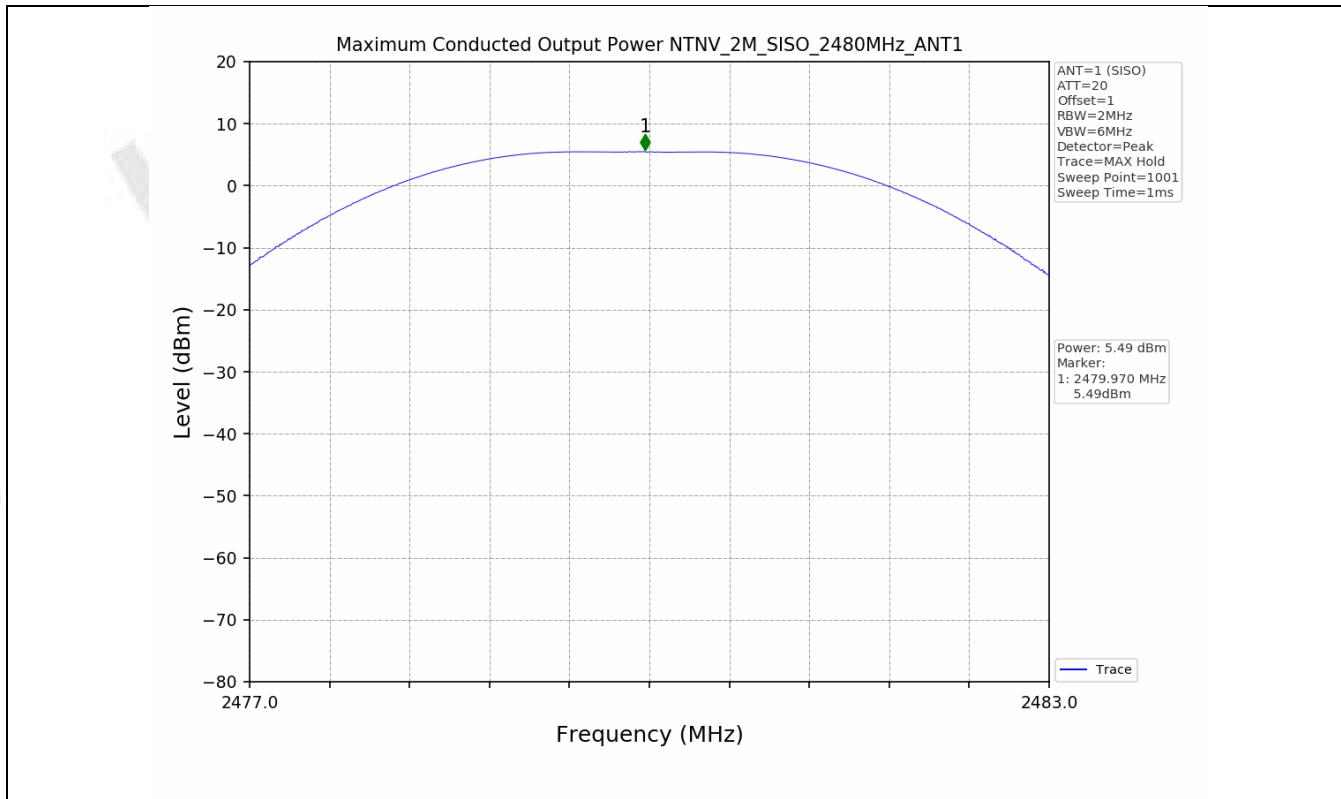
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
1M	2402	SISO	5.17	30	PASS
	2440	SISO	5.69	30	PASS
	2480	SISO	5.53	30	PASS
2M	2402	SISO	5.32	30	PASS
	2440	SISO	5.73	30	PASS
	2480	SISO	5.49	30	PASS

2.2 Test Graph







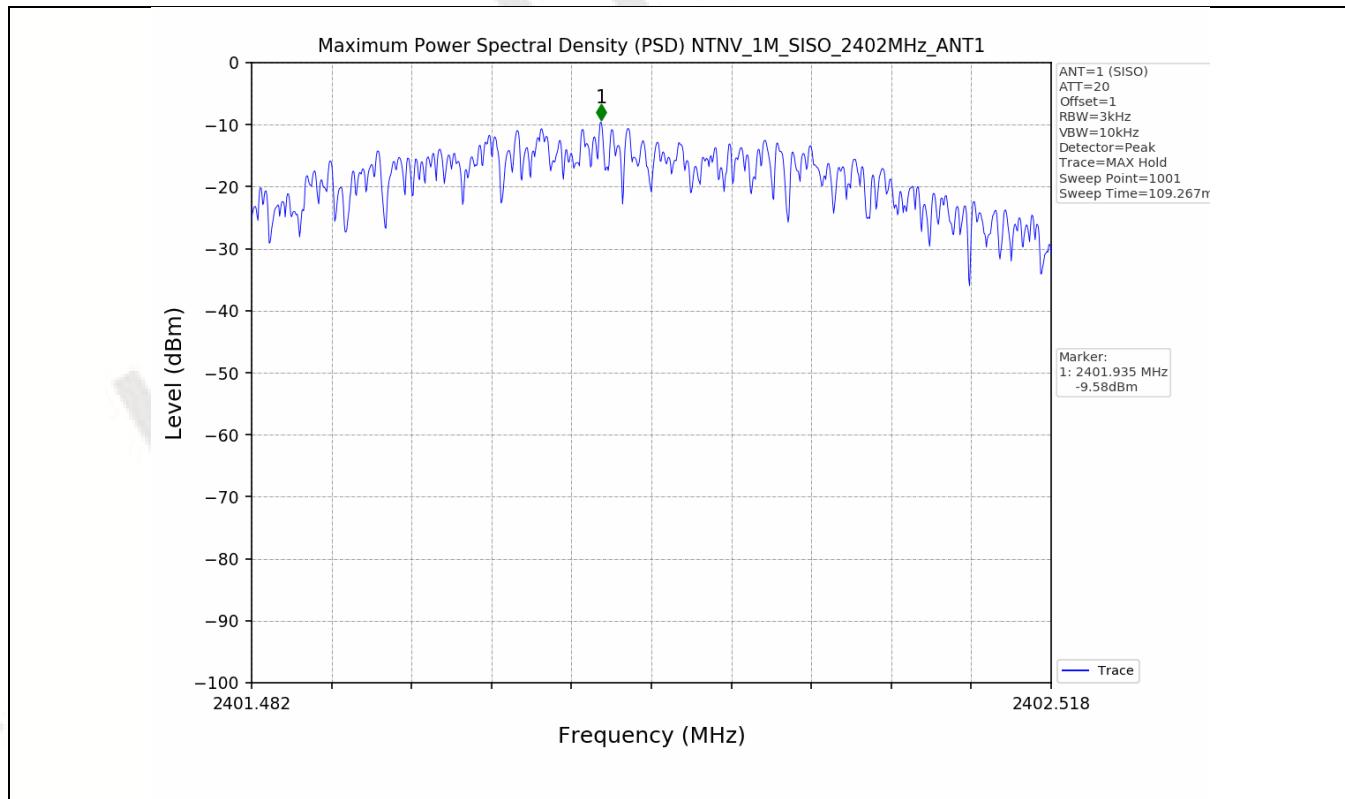


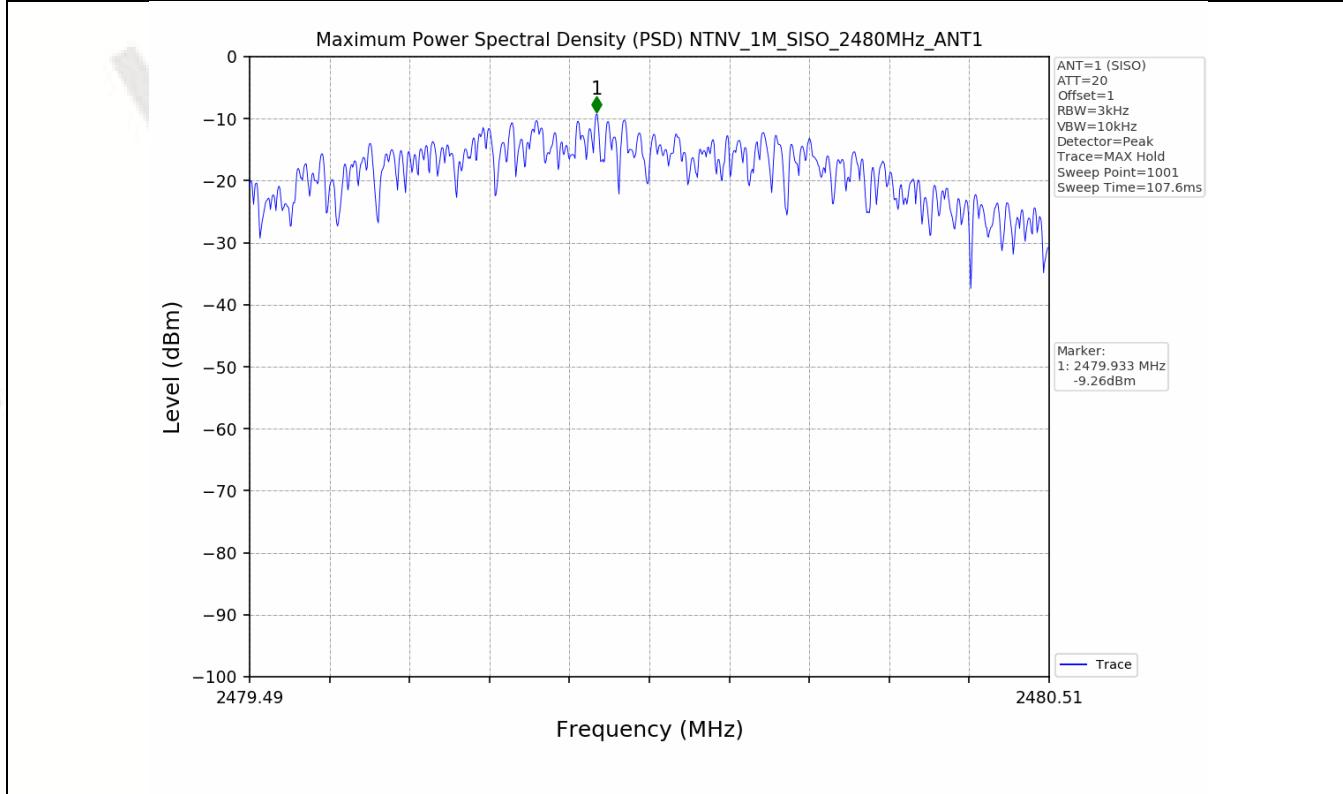
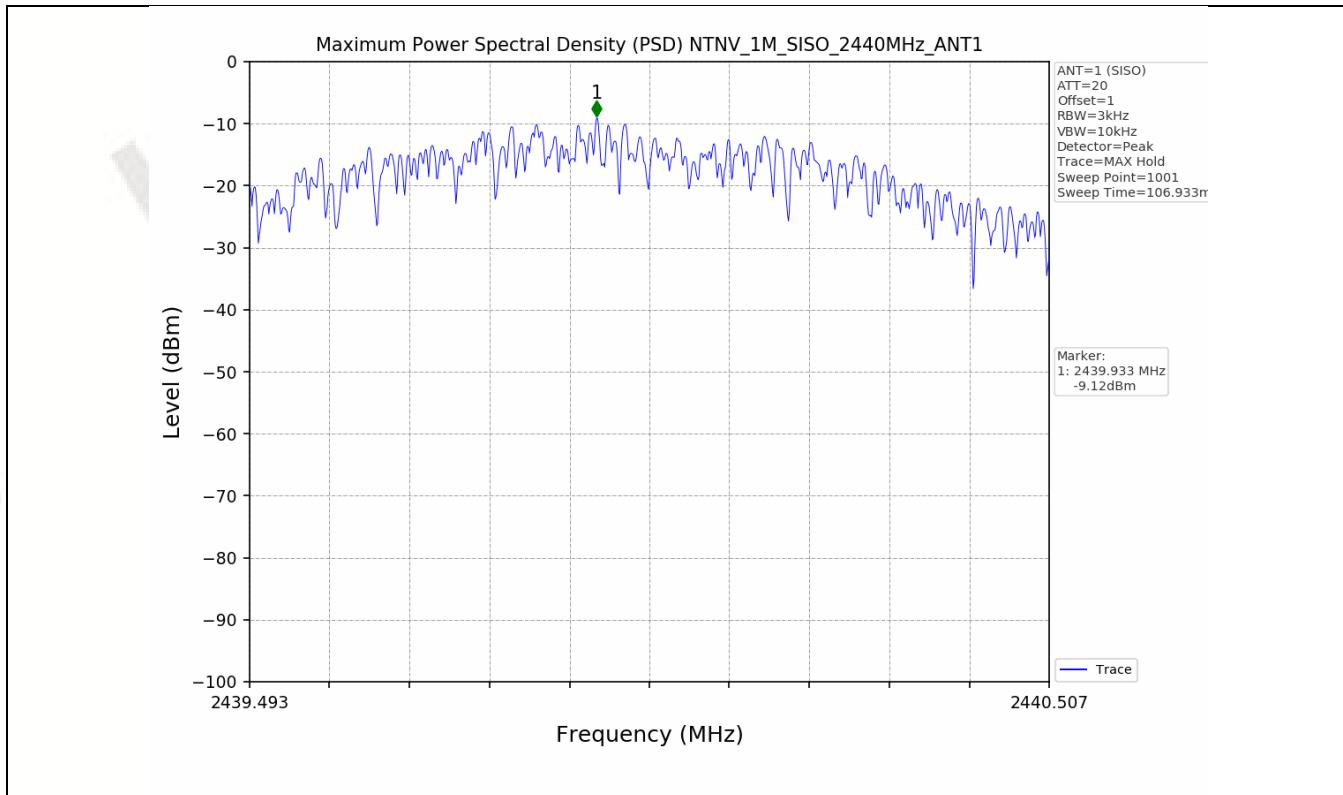
3. Maximum Power Spectral Density (PSD)

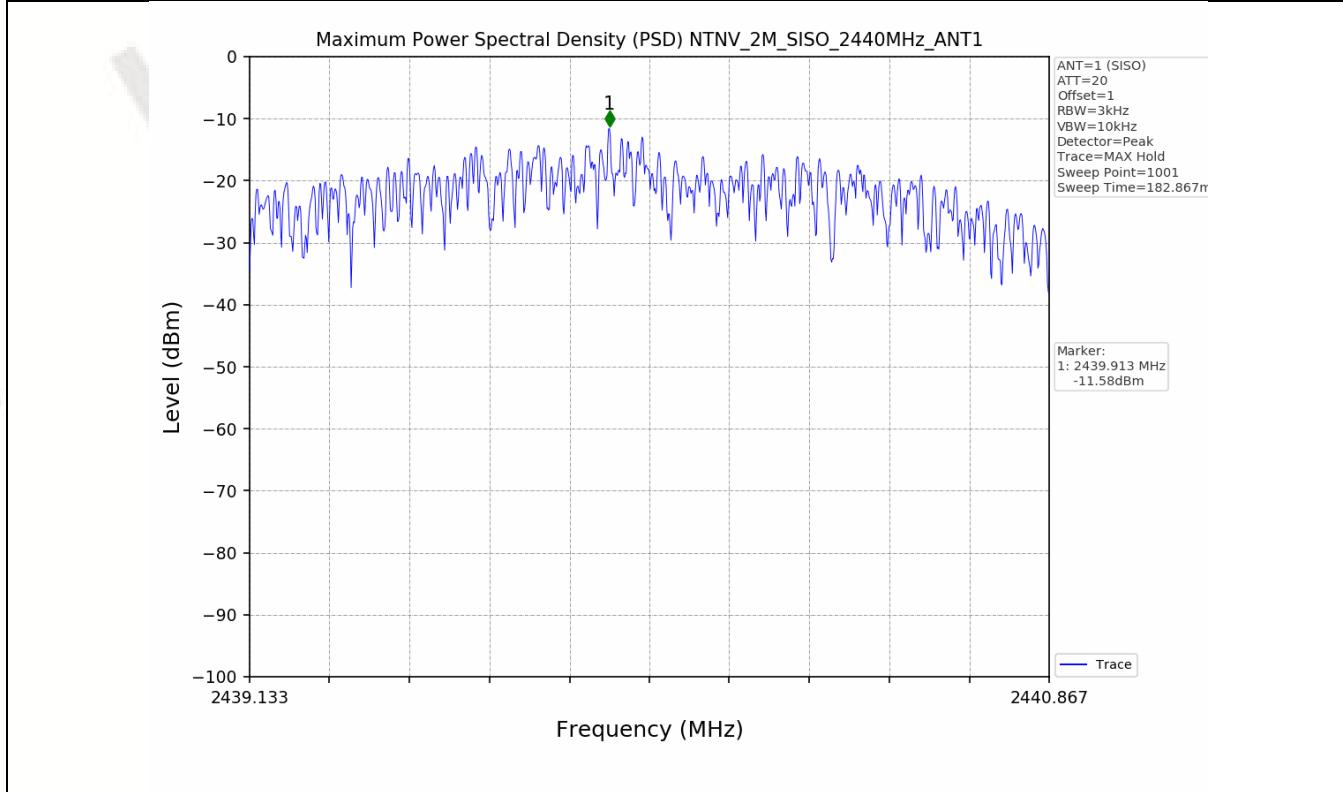
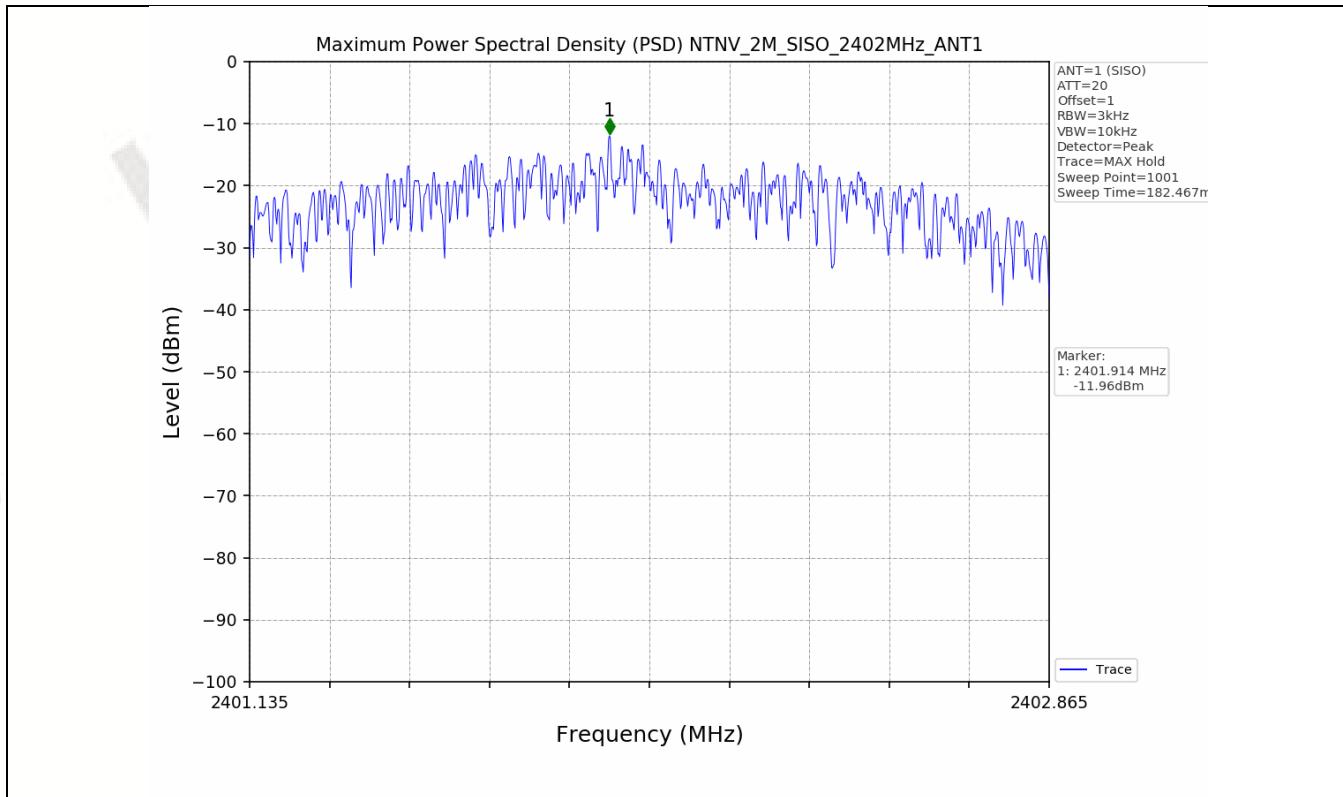
3.1 Test Result

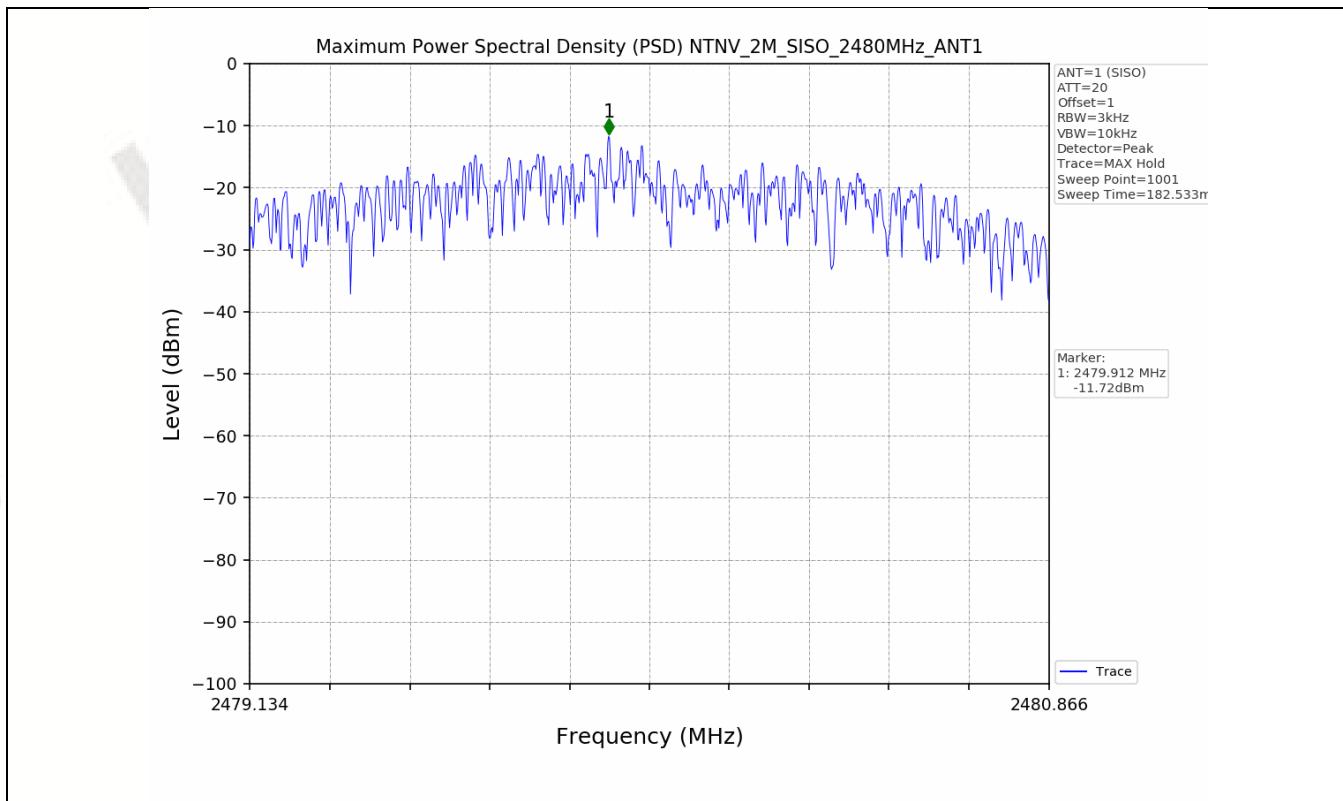
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3kHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
1M	2402	SISO	-9.58	≤8	PASS
	2440	SISO	-9.12	≤8	PASS
	2480	SISO	-9.26	≤8	PASS
2M	2402	SISO	-11.96	≤8	PASS
	2440	SISO	-11.58	≤8	PASS
	2480	SISO	-11.72	≤8	PASS

3.2 Test Graph









4. Unwanted Emissions in Non-restricted Frequency Bands

4.1 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	-14.94	PASS
	2440	SISO	1	Refer to test graph	-14.94	PASS
	2480	SISO	1	Refer to test graph	-14.94	PASS
2M	2402	SISO	1	Refer to test graph	-15.00	PASS
	2440	SISO	1	Refer to test graph	-15.00	PASS
	2480	SISO	1	Refer to test graph	-15.00	PASS

4.2 Test Graph

