

### Appendix for SHEM2012010711CR -BLE-L

#### Power level setting using in test:

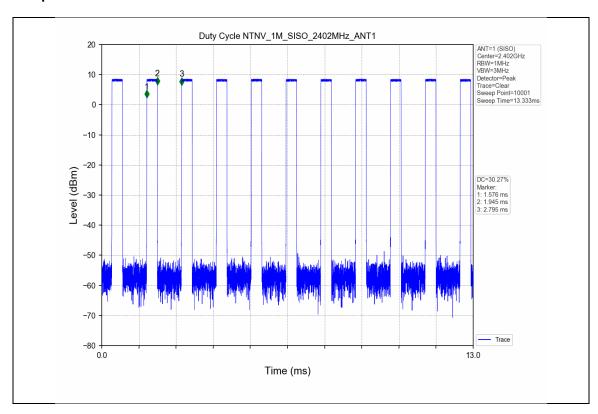
Channel	BLE
0	46
19	46
39	46

#### 1. Duty Cycle

#### 1.1 Test Result

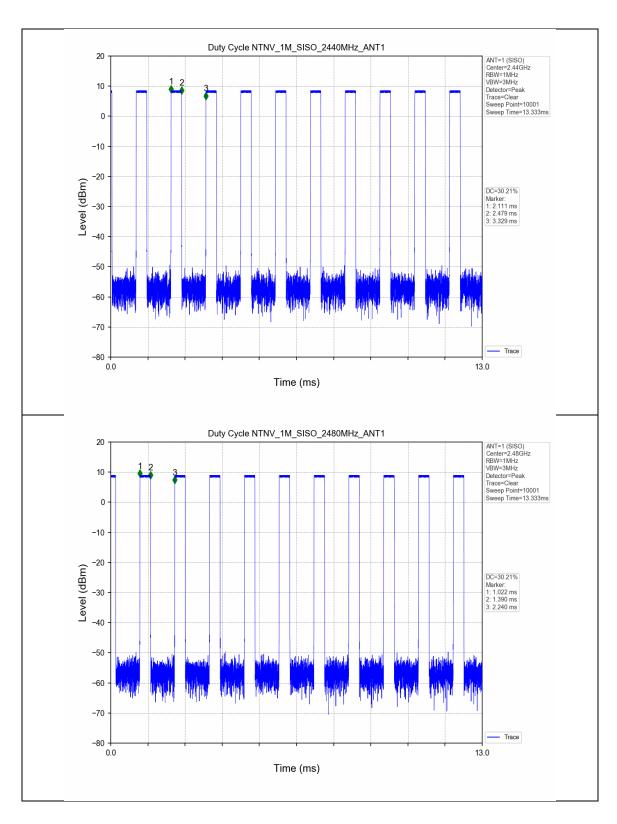
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
	2402	SISO	1	0.369	1.219	30.27	5.19
1M	2440	SISO	1	0.368	1.218	30.21	5.20
	2480	SISO	1	0.368	1.218	30.21	5.20
	2402	SISO	1	0.189	1.220	15.49	8.10
2M	2440	SISO	1	0.188	1.218	15.44	8.11
	2480	SISO	1	0.190	1.220	15.57	8.08

#### 1.2 Test Graph

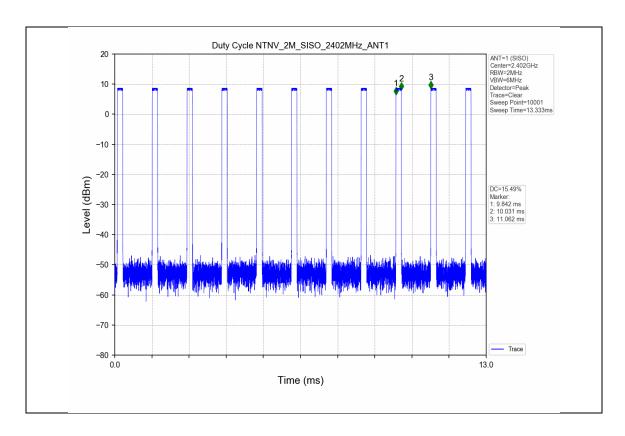


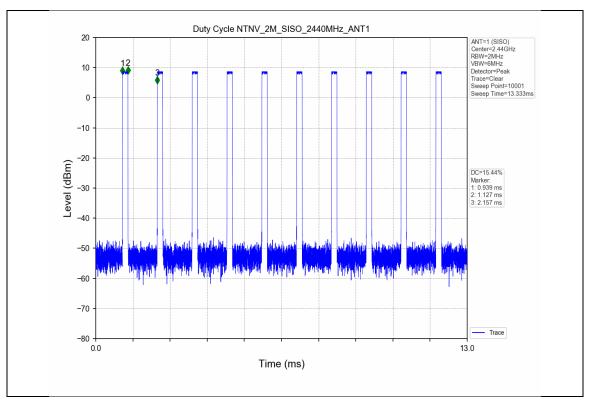
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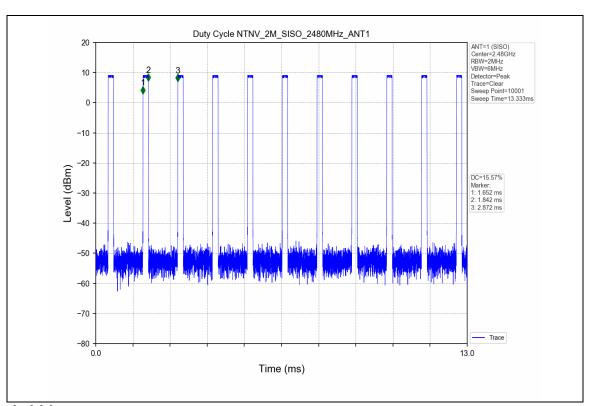






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#### 2. Bandwidth

#### 2.1 Test Result

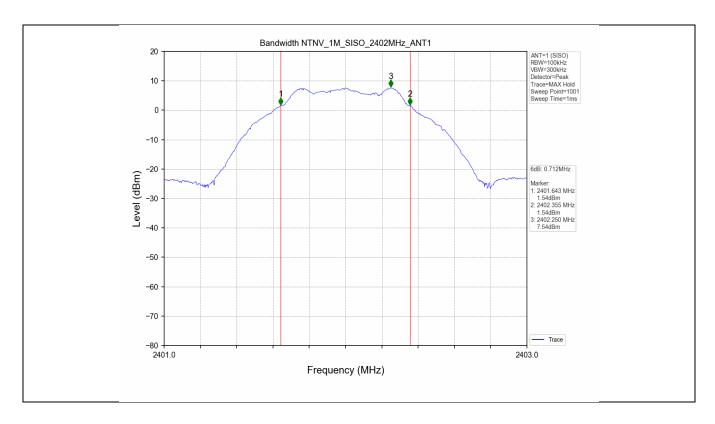
Test Mode	Frequency TV Type	TX Type	ANT No.	6dB Bandwidth	Verdict
i est ivioue	(MHz)	1 × 1 ype		Test Result (MHz)	Verdict
	2402	SISO	1	0.712	PASS
1M	2440	SISO	1	0.714	PASS
	2480	SISO	1	0.709	PASS
	2402	SISO	1	1.231	PASS
2M	2440	SISO	1	1.246	PASS
	2480	SISO	1	1.256	PASS

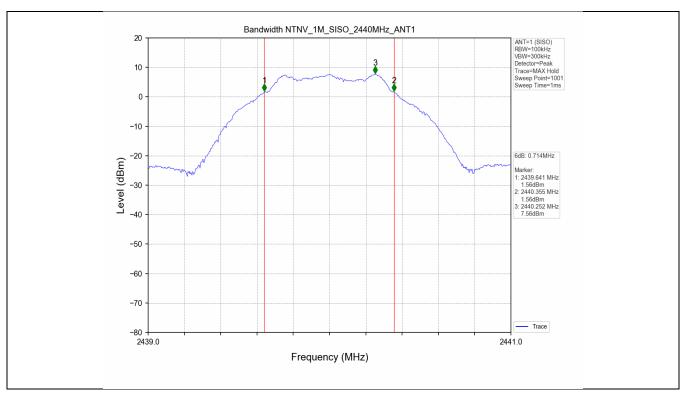
Test Mode	Frequency TV Type	ANT No.	99% Occupied Bandwidth		
rest wode	(MHz)	TX Type	AINT INO.	ult (MHz)	
	2402	SISO	1	1.042	Only for Report Use
1M	2440	SISO	1	1.041	Only for Report Use
	2480	SISO	1	1.040	Only for Report Use
	2402	SISO	1	2.064	Only for Report Use
2M	2440	SISO	1	2.063	Only for Report Use
	2480	SISO	1	2.059	Only for Report Use

#### 2.2 Test Graph - 6dB Bandwidth

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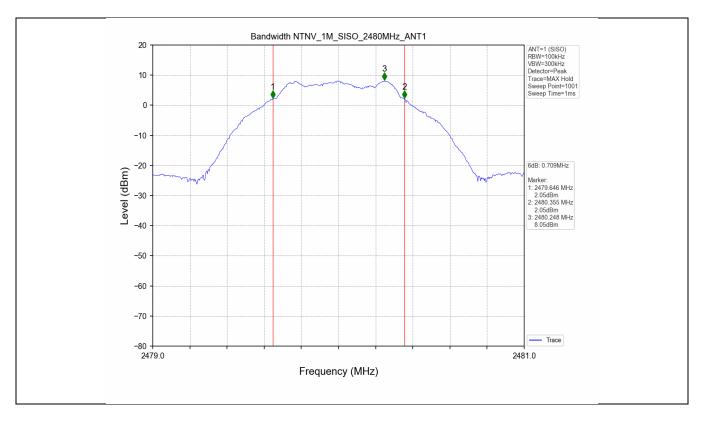


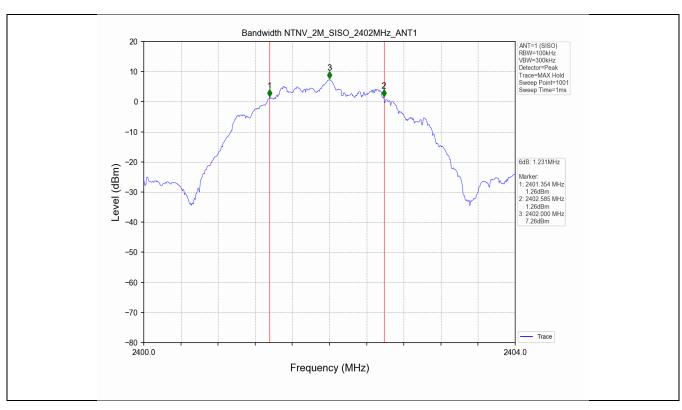




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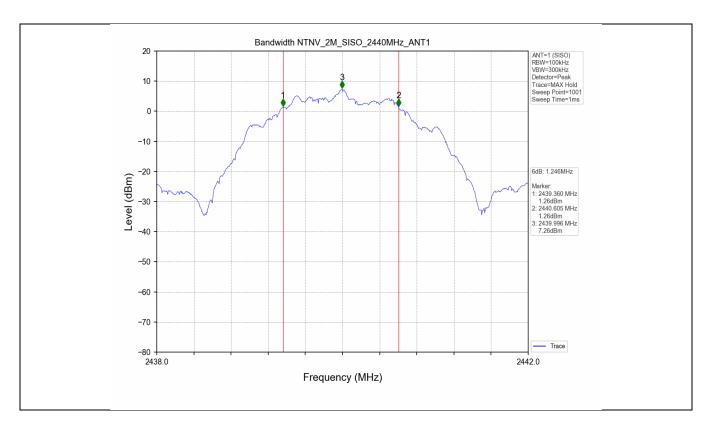


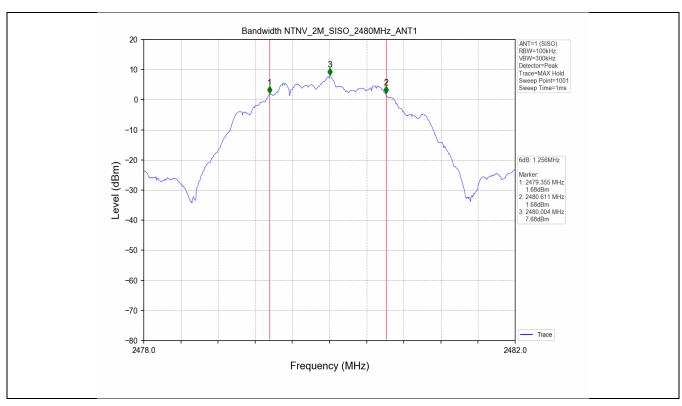




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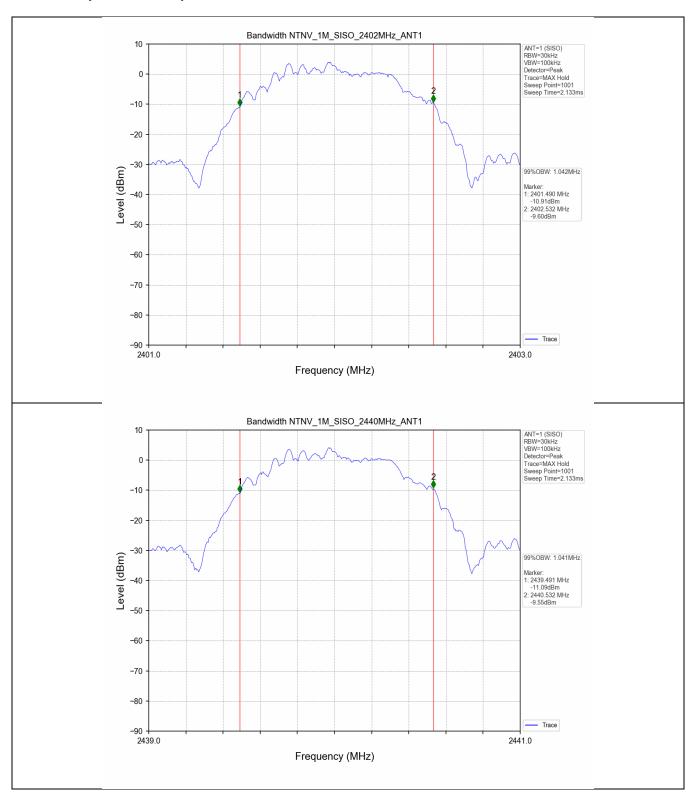






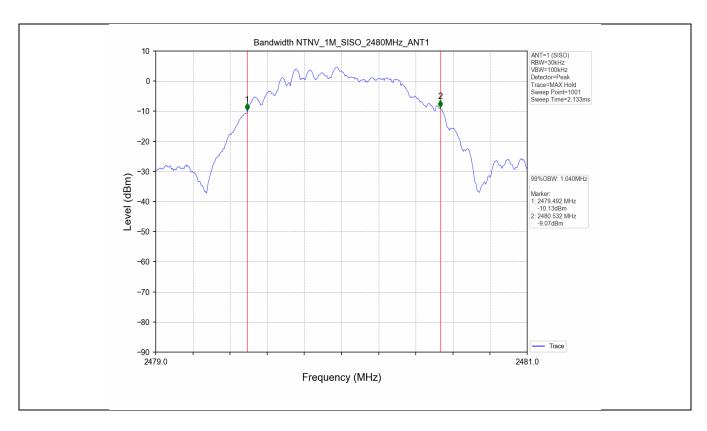


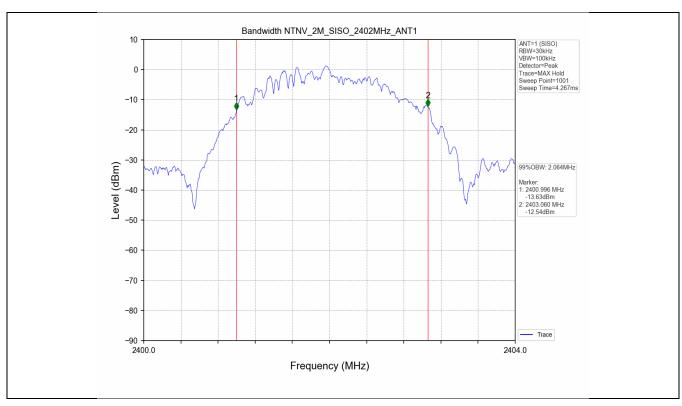
#### 2.3 Test Graph - 99% Occupied Bandwidth



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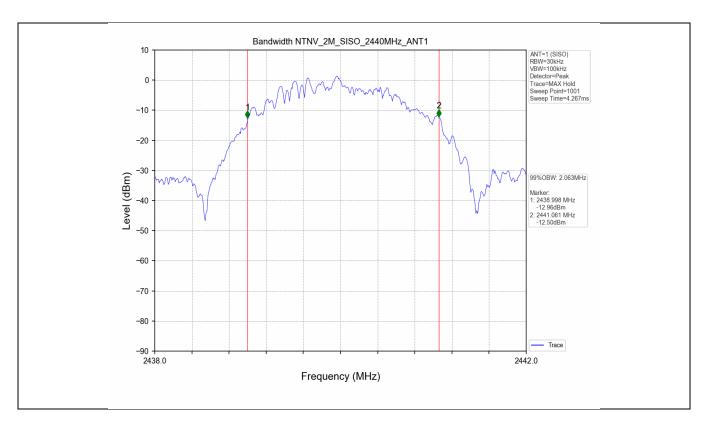


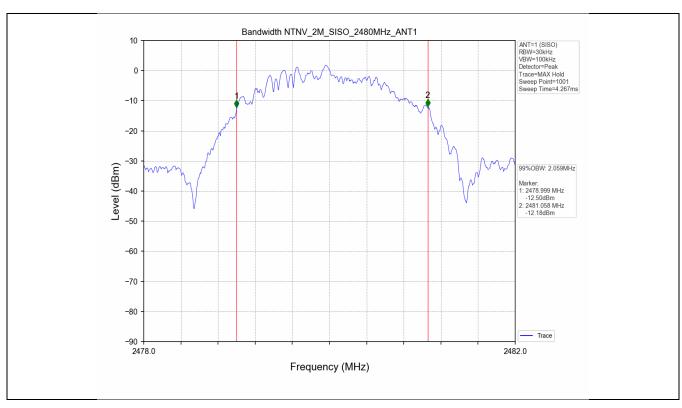




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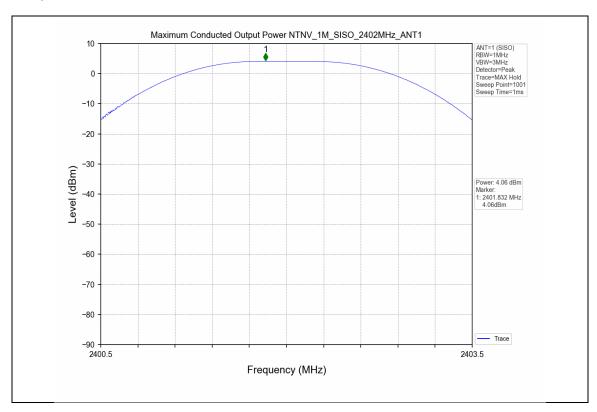


### 3. Maximum Conducted Output Power

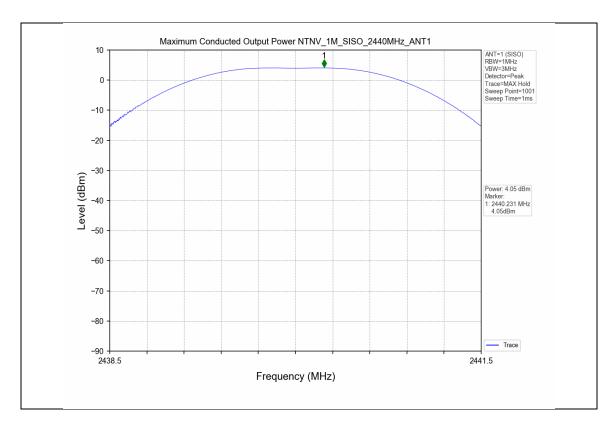
#### 3.1 Test Result

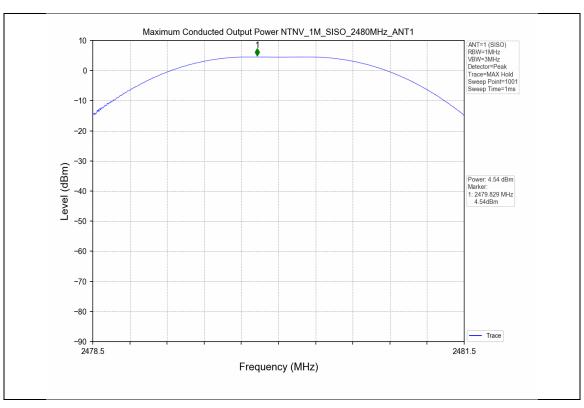
Test Mode	Frequency (MHz)	Тх Туре	Measured Peak Output Power (dBm) Ant 1	Limits (dBm)	Verdict
	2402	SISO	4.06	30	PASS
1M	2440	SISO	4.05	30	PASS
2480	SISO	4.54	30	PASS	
	2402	SISO	4.09	30	PASS
2M	2440	SISO	4.07	30	PASS
	2480	SISO	4.59	30	PASS

#### 3.2 Test Graph



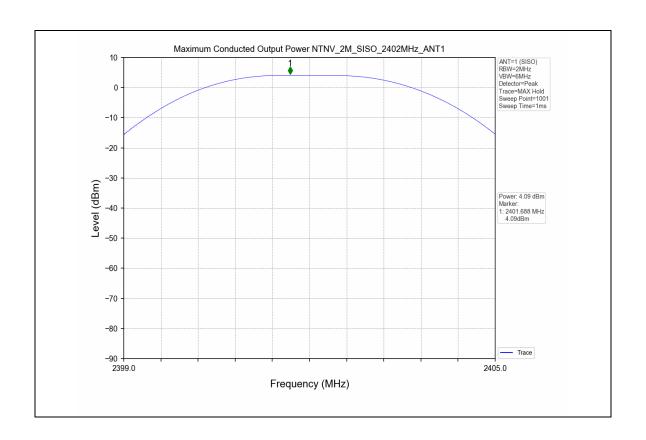




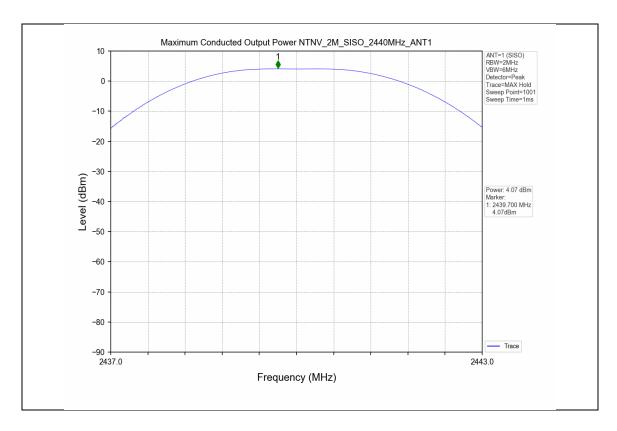


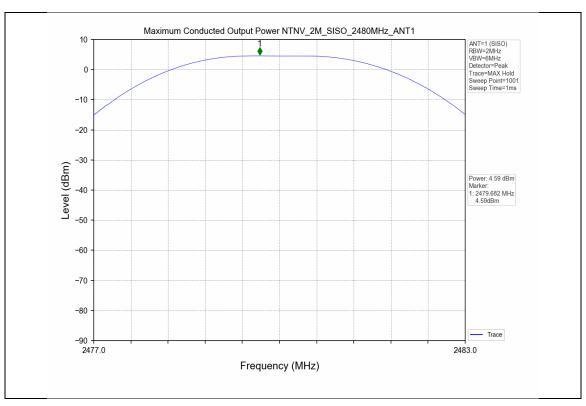
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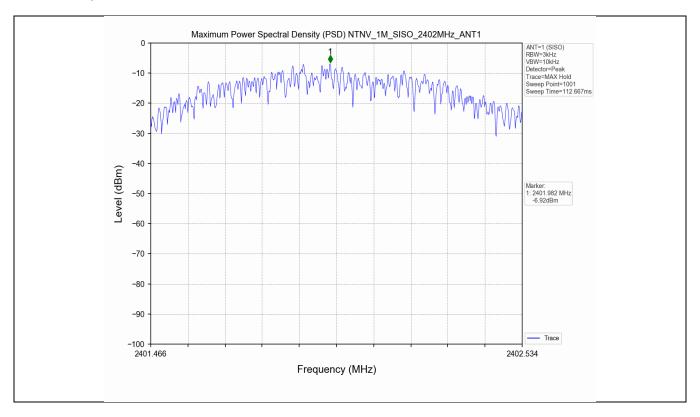


### 4. Maximum Power Spectral Density (PSD)

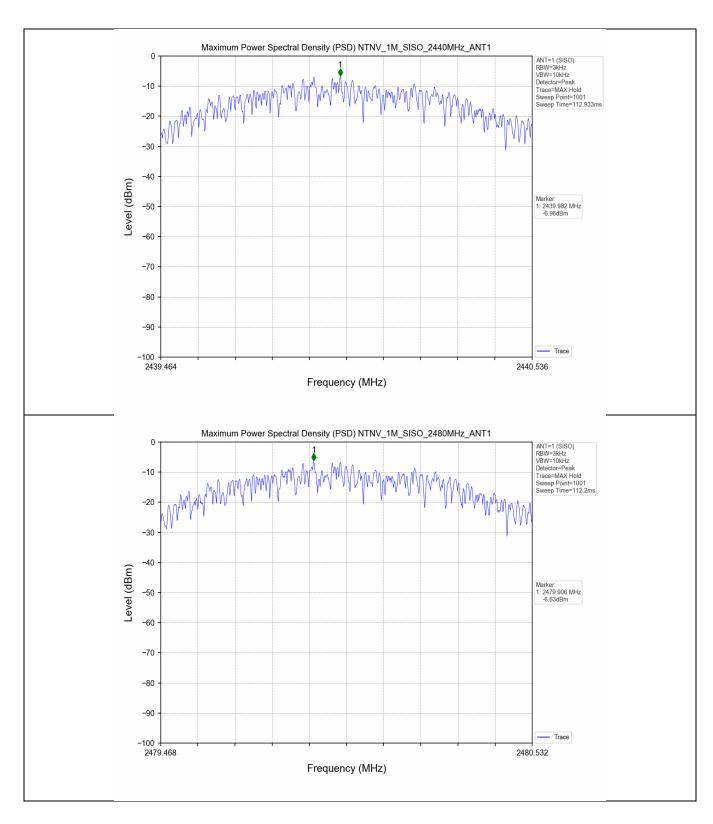
#### 4.1 Test Result

Test Mode	Frequency (MHz)	Тх Туре	Maximum Power Spectral Density (dBm/3KHz) Ant 1	Limits (dBm/3kHz)	Verdict
	2402	SISO	-6.92	≤8	PASS
1M	2440	SISO	-6.96	≤8	PASS
	2480	SISO	-6.63	≤8	PASS
	2402	SISO	-9.05	≤8	PASS
2M	2440	SISO	-9.33	≤8	PASS
	2480	SISO	-8.61	≤8	PASS

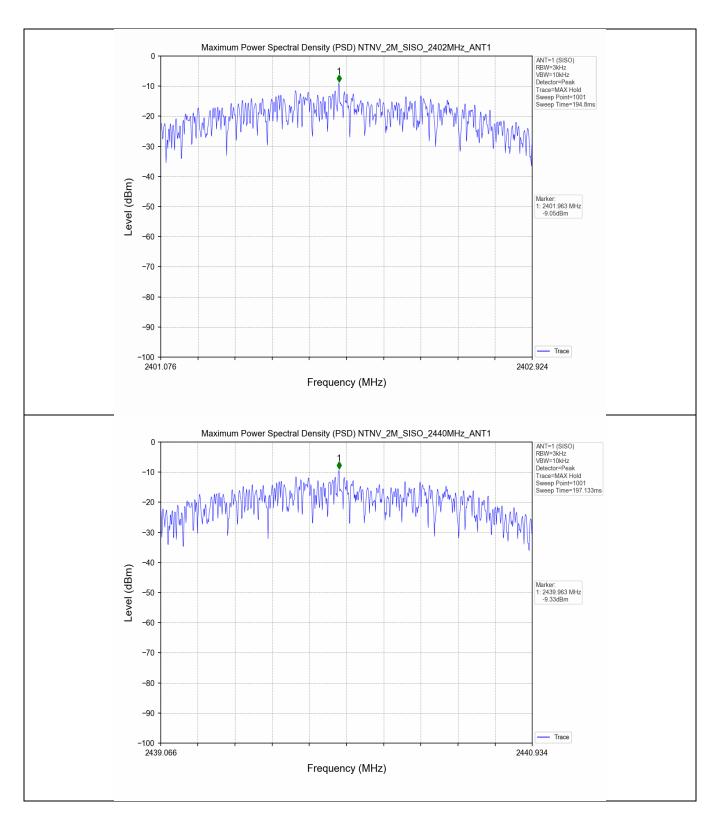
#### 4.2 Test Graph



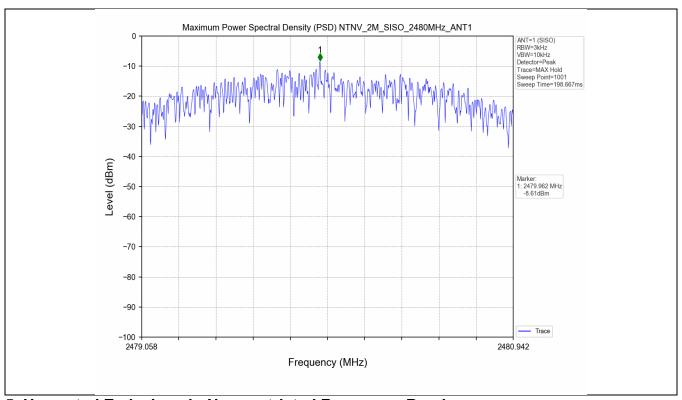












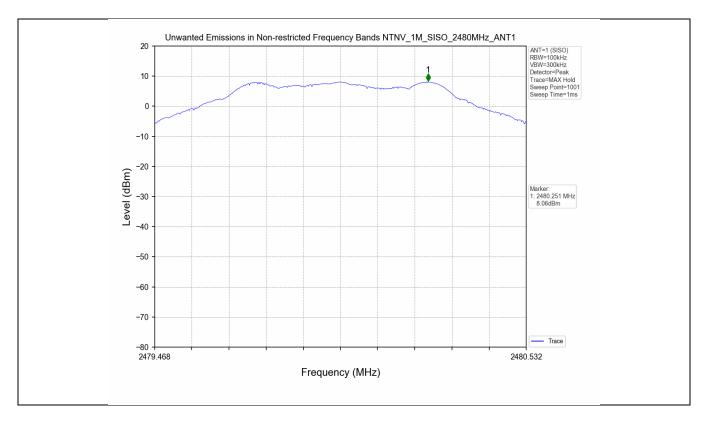
#### 5. Unwanted Emissions in Non-restricted Frequency Bands

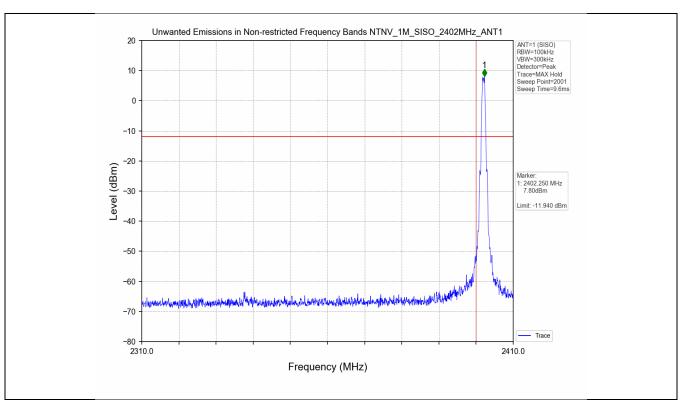
#### 5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
	2402	SISO	1	Refer to test graph	-11.94	PASS
1M	2440	SISO	1	Refer to test graph	-11.94	PASS
	2480	SISO	1	Refer to test graph	-11.94	PASS
	2402	SISO	1	Refer to test graph	-12.26	PASS
2M	2440	SISO	1	Refer to test graph	-12.26	PASS
	2480	SISO	1	Refer to test graph	-12.26	PASS

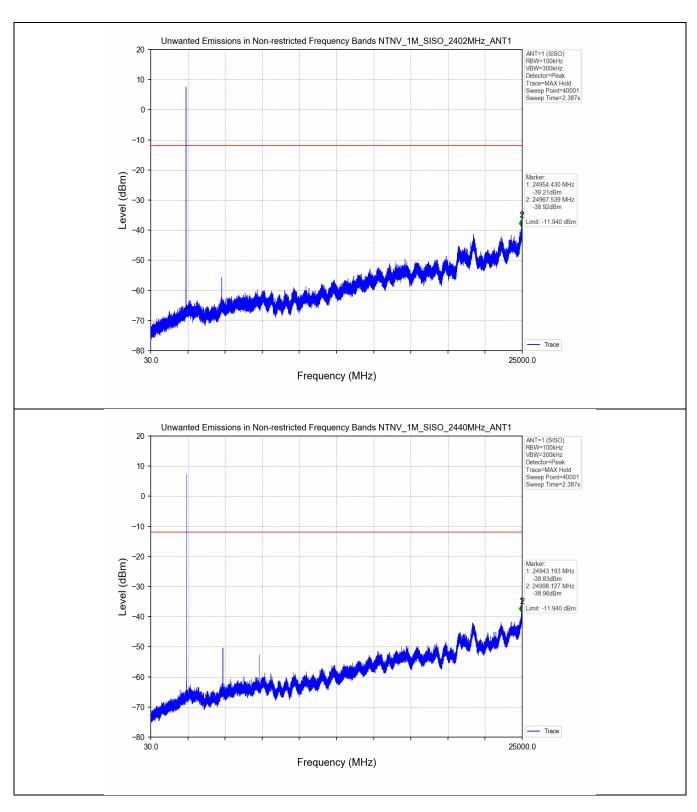
#### 5.2 Test Graph



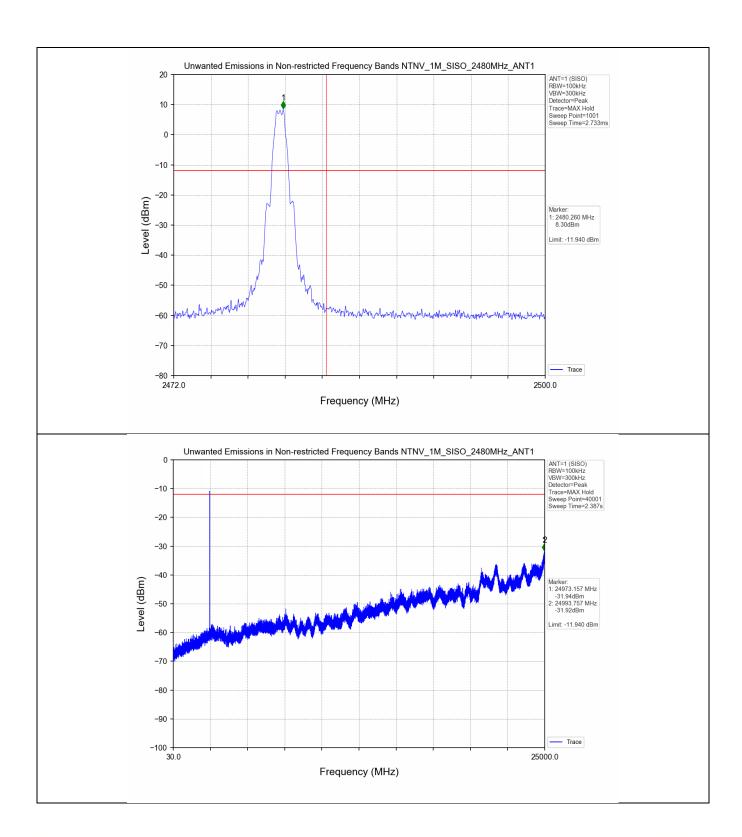




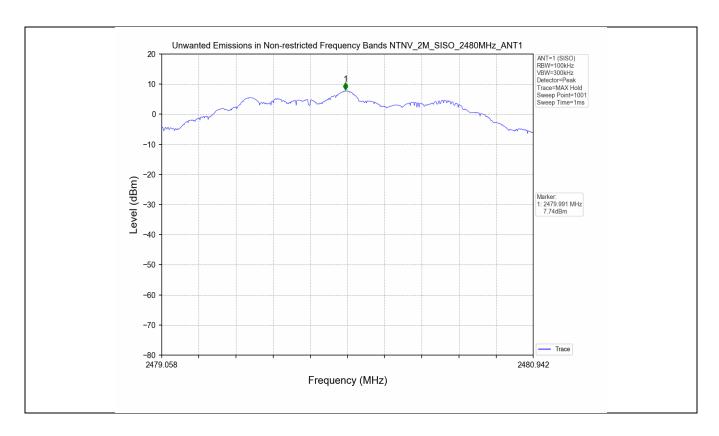


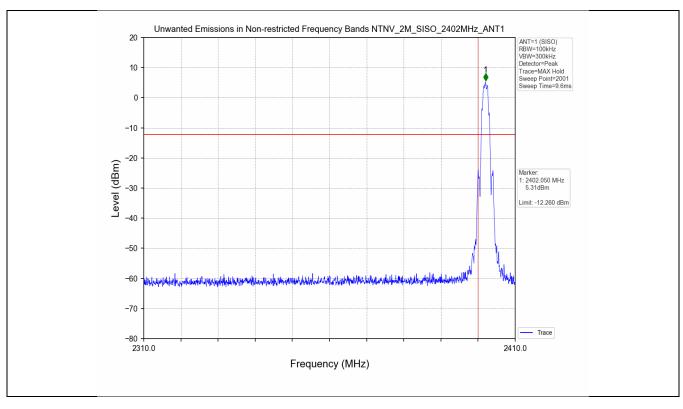












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