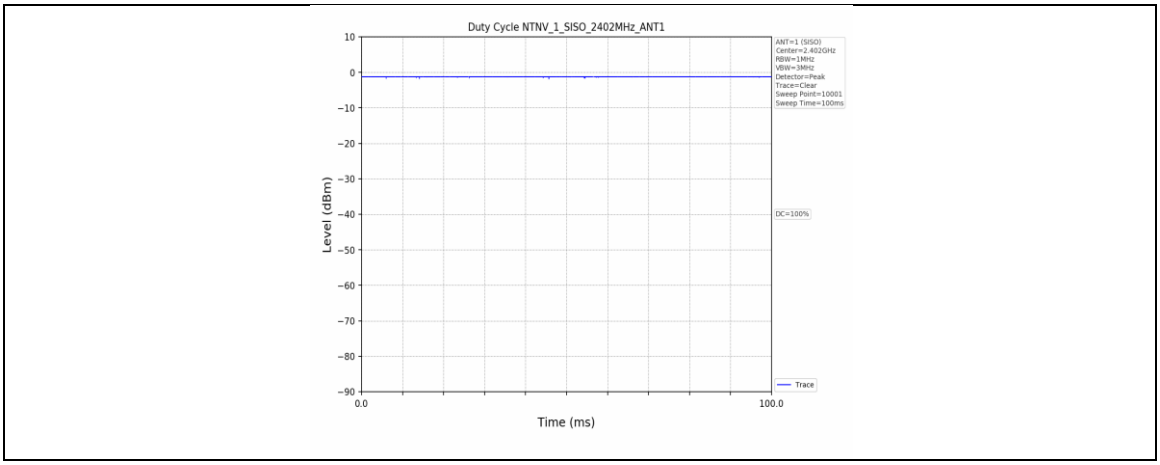
Appendix for 15.247

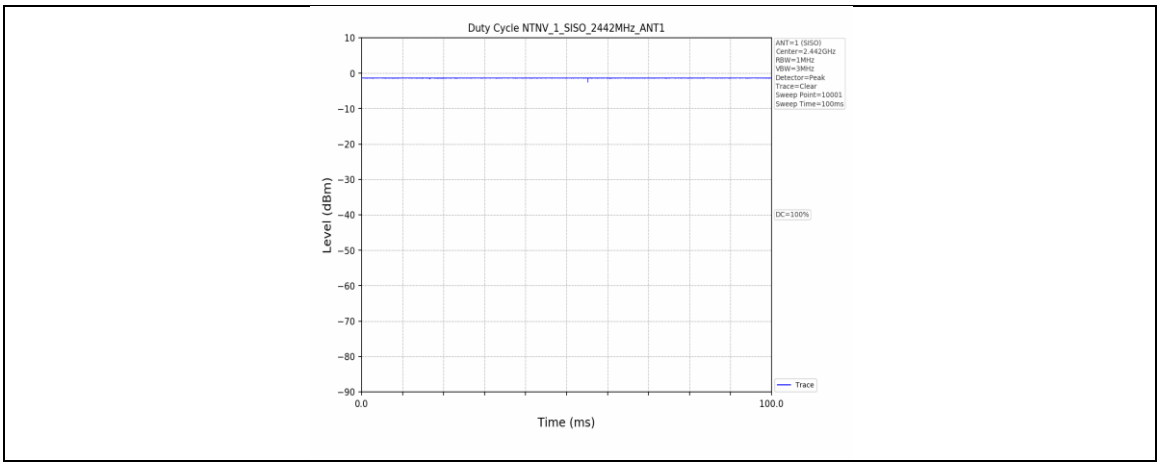
1. Duty Cycle

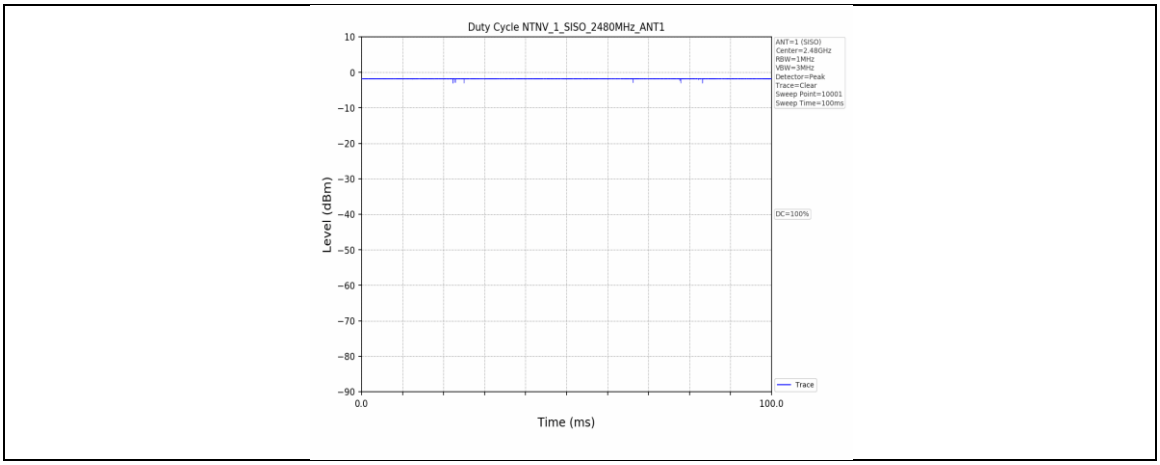
1.1 Test Result

Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
1	2402	SISO	1	100.000	100.000	100.00	0.00
	2442	SISO	1	100.000	100.000	100.00	0.00
	2480	SISO	1	100.000	100.000	100.00	0.00

1.2 Test Graph







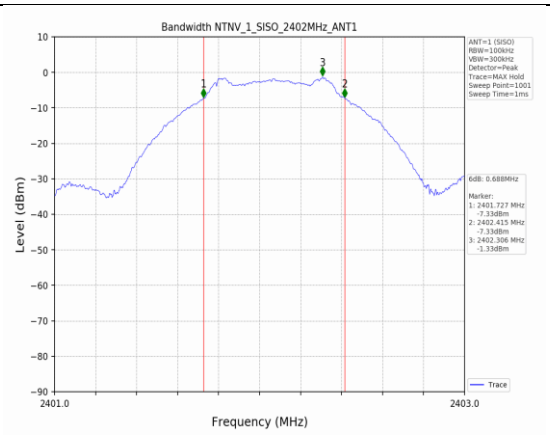
2. Bandwidth

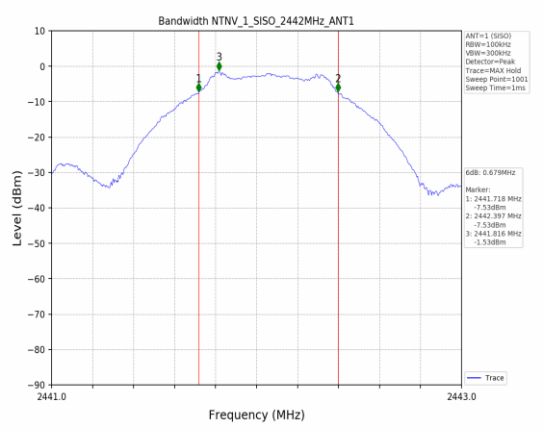
2.1 Test Result

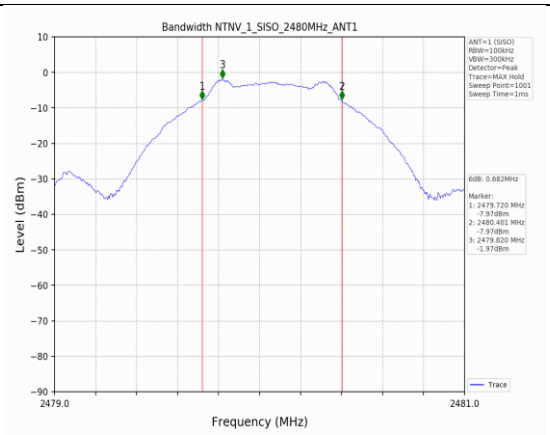
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
1	2402	SISO	1	0.688	≥0.5	PASS
	2442	SISO	1	0.679	≥0.5	PASS
	2480	SISO	1	0.682	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
1	2402	SISO	1	1.044	Only for Report Use
	2442	SISO	1	1.049	Only for Report Use
	2480	SISO	1	1.050	Only for Report Use

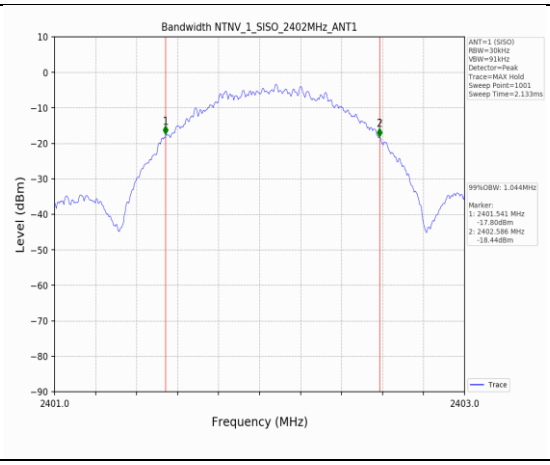
2.2 Test Graph - 6dB Bandwidth

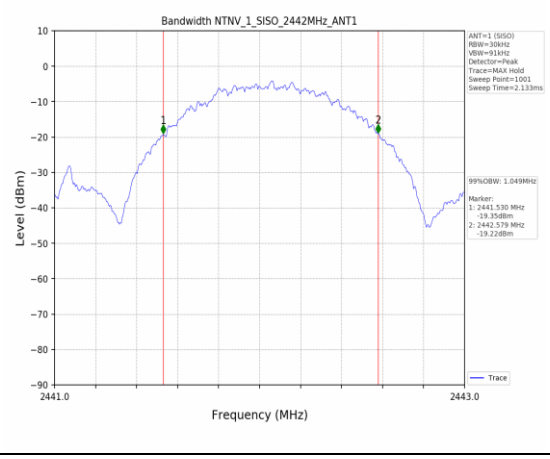


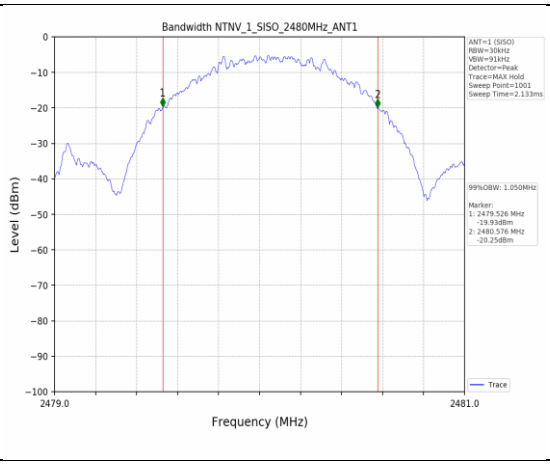




2.3 Test Graph - 99% Occupied Bandwidth





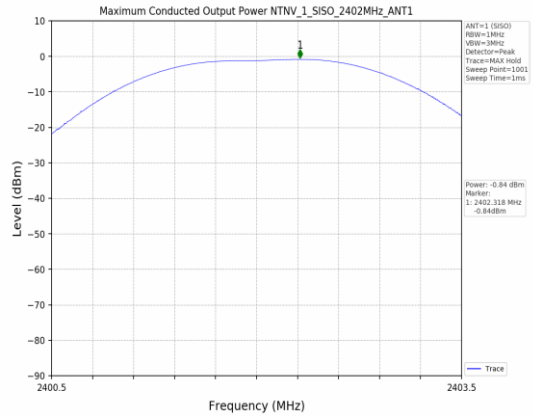


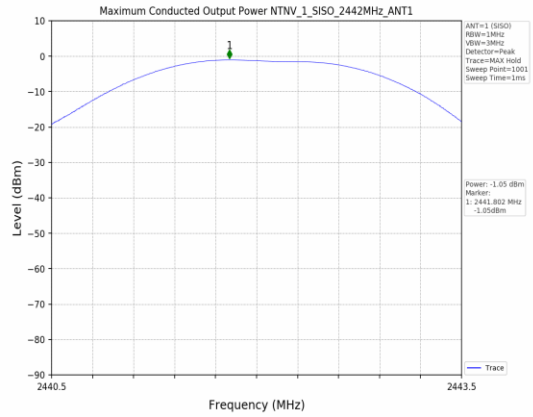
3. Maximum Conducted Output Power

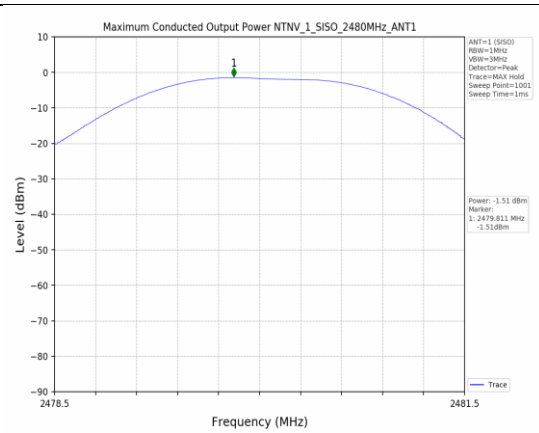
3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
1	2402	SISO	-0.84	30	PASS
	2442	SISO	-1.05	30	PASS
	2480	SISO	-1.51	30	PASS

3.2 Test Graph





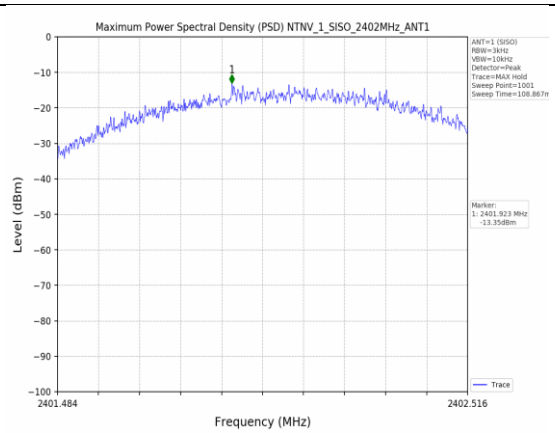


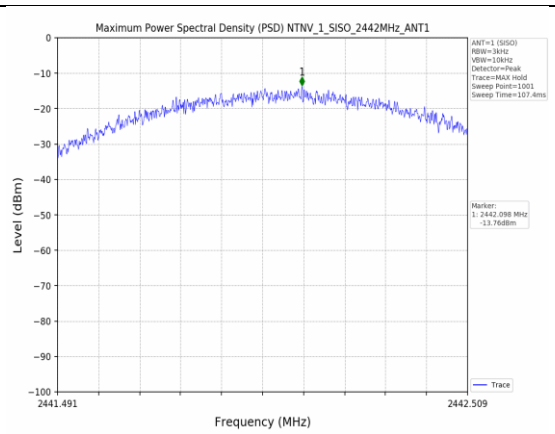
4. Maximum Power Spectral Density (PSD)

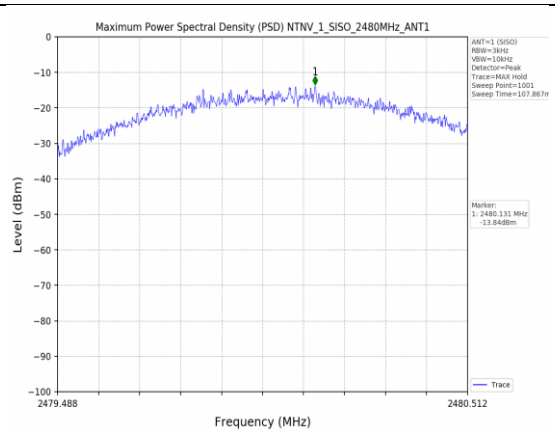
4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
1	2402	SISO	-13.35	≤8	PASS
	2442	SISO	-13.76	≤8	PASS
	2480	SISO	-13.84	≤8	PASS

4.2 Test Graph





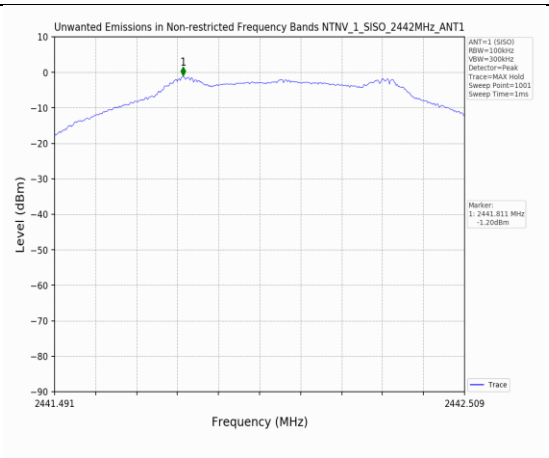


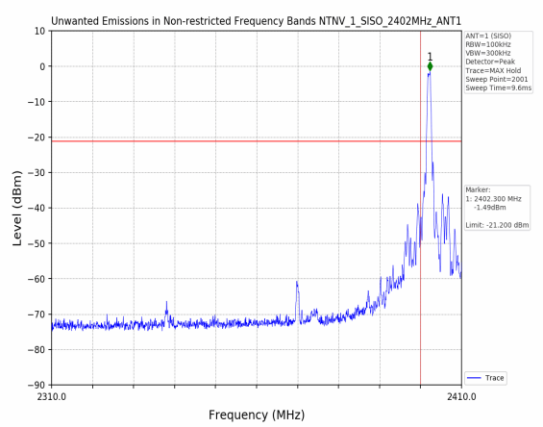
5. Unwanted Emissions in Non-restricted Frequency Bands

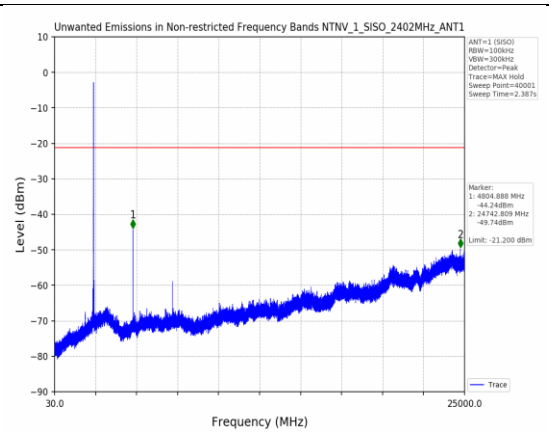
5.1 Test Result

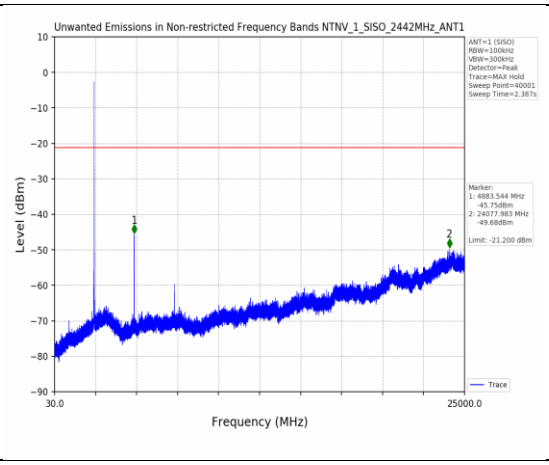
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
1	2402	SISO	1	Refer to test graph	-21.20	PASS
	2442	SISO	1	Refer to test graph	-21.20	PASS
	2480	SISO	1	Refer to test graph	-21.20	PASS

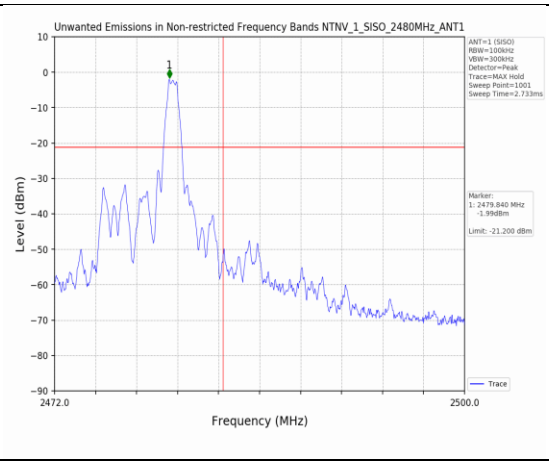
5.2 Test Graph

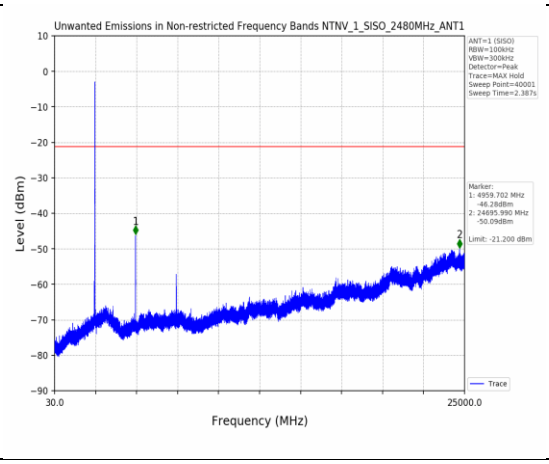







Unwanted Emissions in Non-restricted Frequency Bands NTNV_1_SISO_2442MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 4883.544 MHz
-45.75dBm
2: 24077.983 MHz
-49.68dBm
Limit: -21.200 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0


Unwanted Emissions in Non-restricted Frequency Bands NTNV_1_SISO_2480MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2479.840 MHz
-1.99dBm
Limit: -21.200 dBm
Trace
Level (dBm)
Frequency (MHz)
2472.0
2500.0


Unwanted Emissions in Non-restricted Frequency Bands NTNV_1_SISO_2480MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 4959.702 MHz
-46.28dBm
2: 24495.990 MHz
-50.09dBm
Limit: -21.200 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

------End------