

Annex for BLE FCC Part 15.247

TABLE OF CONTENTS

Annex for BLE FCC Part 15.247	1
TABLE OF CONTENTS.....	1
1. Bandwidth.....	2
1.1 Test Result	2
1.2 Test Graph - 6dB Bandwidth.....	2
1.3 Test Graph - 99% Occupied Bandwidth	3
2. Maximum Conducted Output Power	5
2.1 Test Result	5
2.2 Test Graph.....	5
3. Maximum Power Spectral Density (PSD).....	6
3.1 Test Result	6
3.2 Test Graph.....	6
4. Unwanted Emissions in Non-restricted Frequency Bands.....	8
4.1 Test Result	8
4.2 Test Graph.....	8

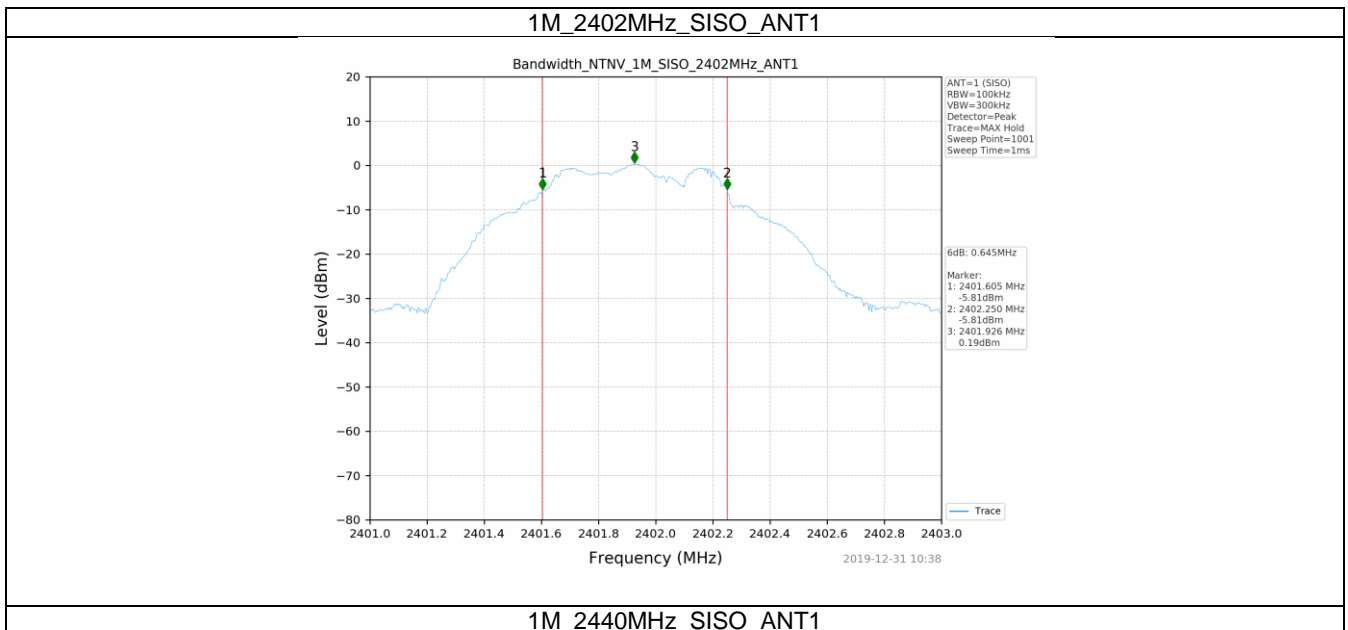
1. Bandwidth

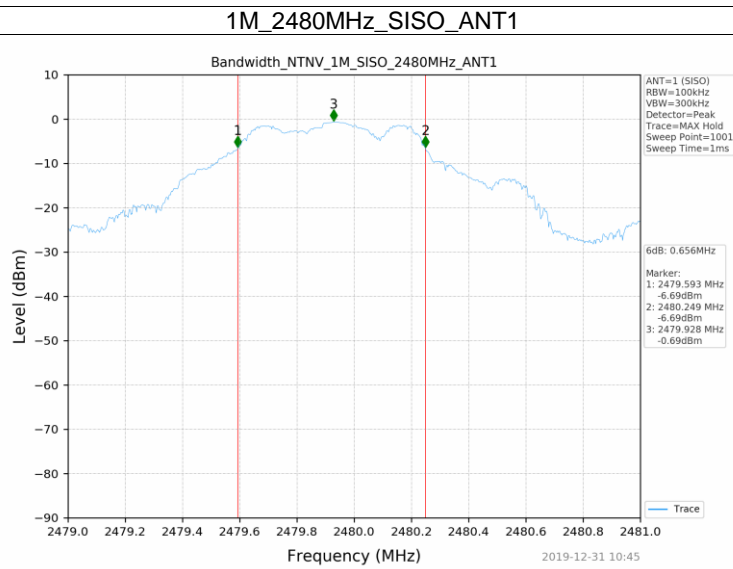
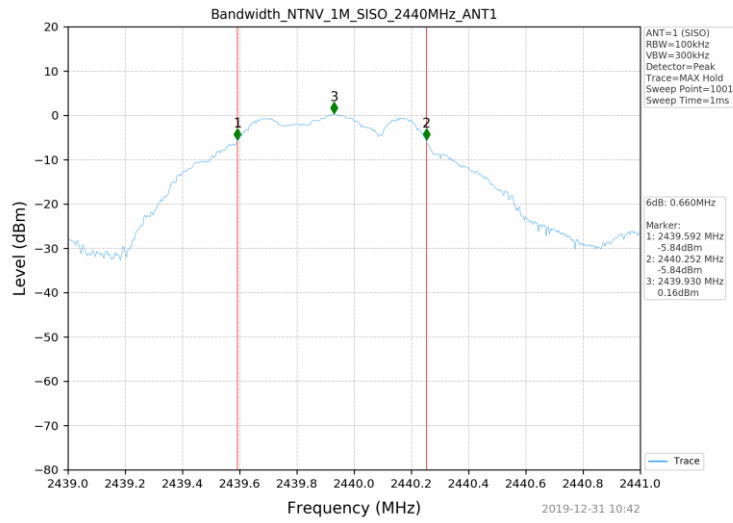
1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
1M	2402	SISO	1	0.645	≥0.5	PASS
	2440	SISO	1	0.660	≥0.5	PASS
	2480	SISO	1	0.656	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	Only for Report Use
1M	2402	SISO	1	1.006	Only for Report Use
	2440	SISO	1	1.020	Only for Report Use
	2480	SISO	1	1.124	Only for Report Use

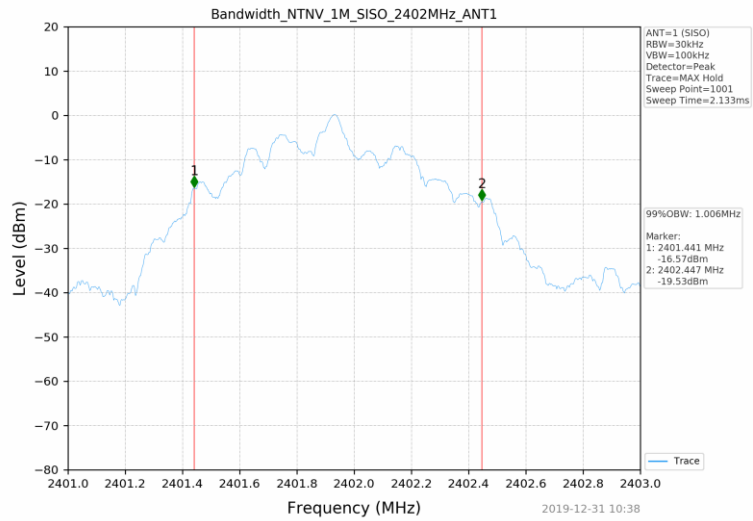
1.2 Test Graph - 6dB Bandwidth



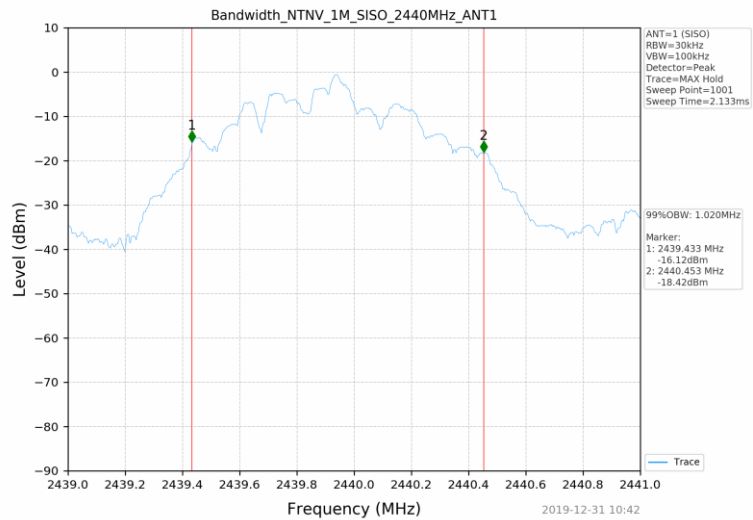


1.3 Test Graph - 99% Occupied Bandwidth

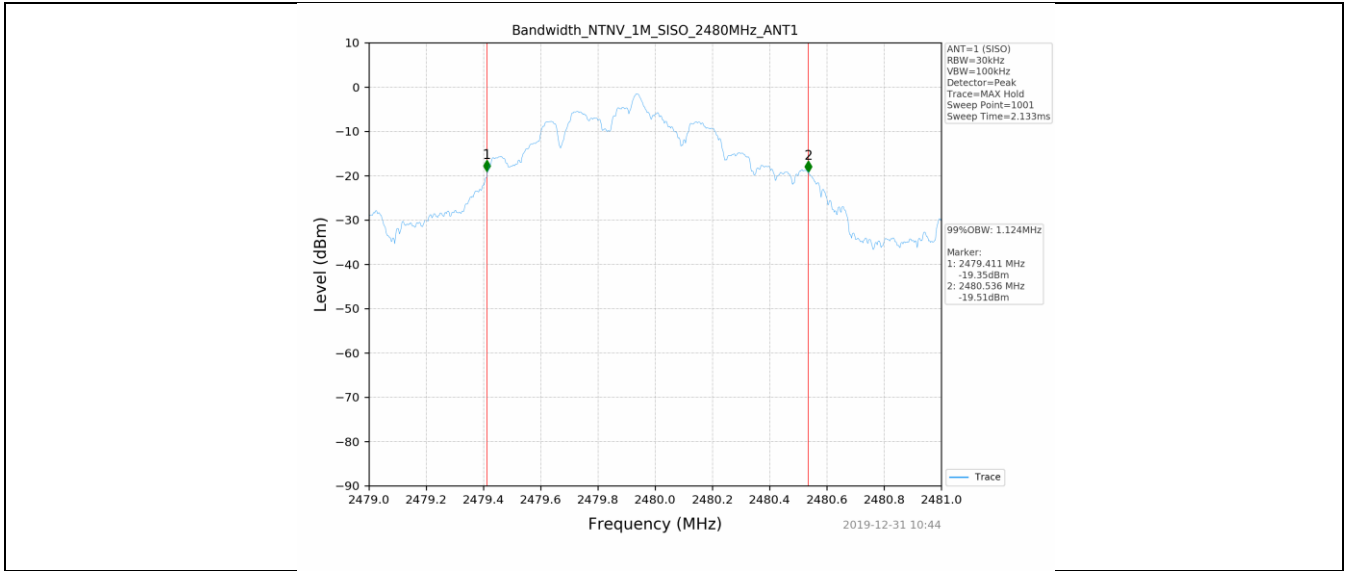
1M_2402MHz_SISO_ANT1



1M_2440MHz_SISO_ANT1



1M_2480MHz_SISO_ANT1

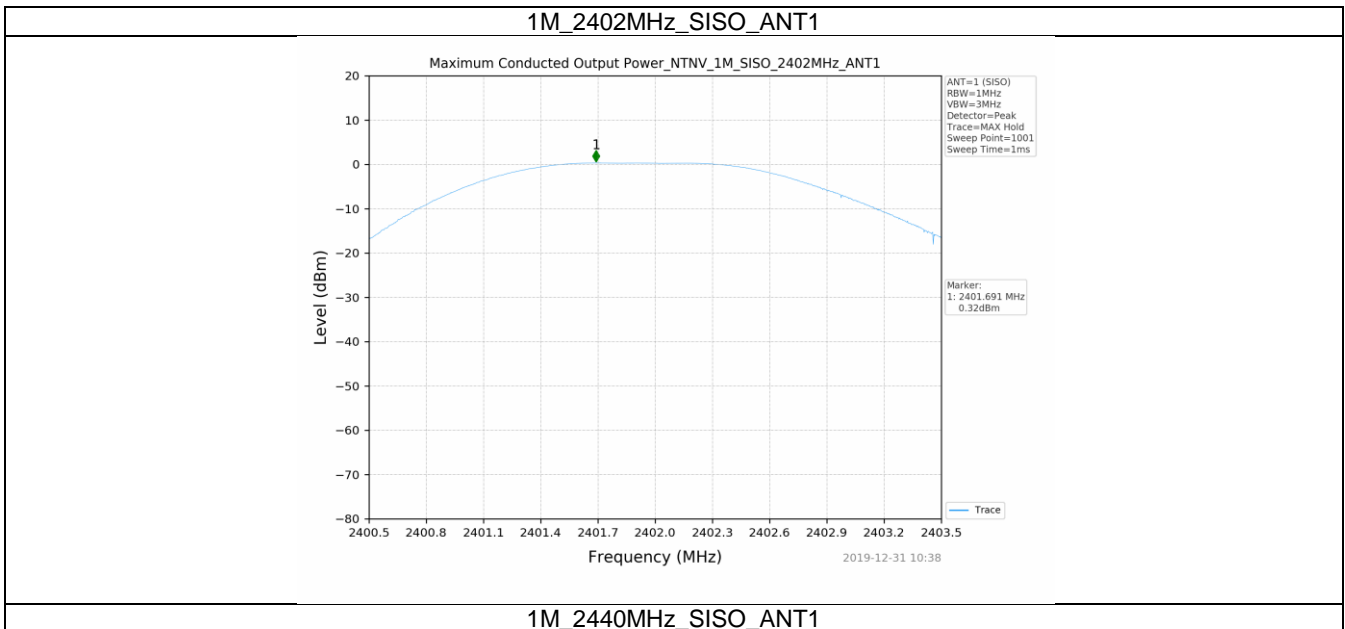


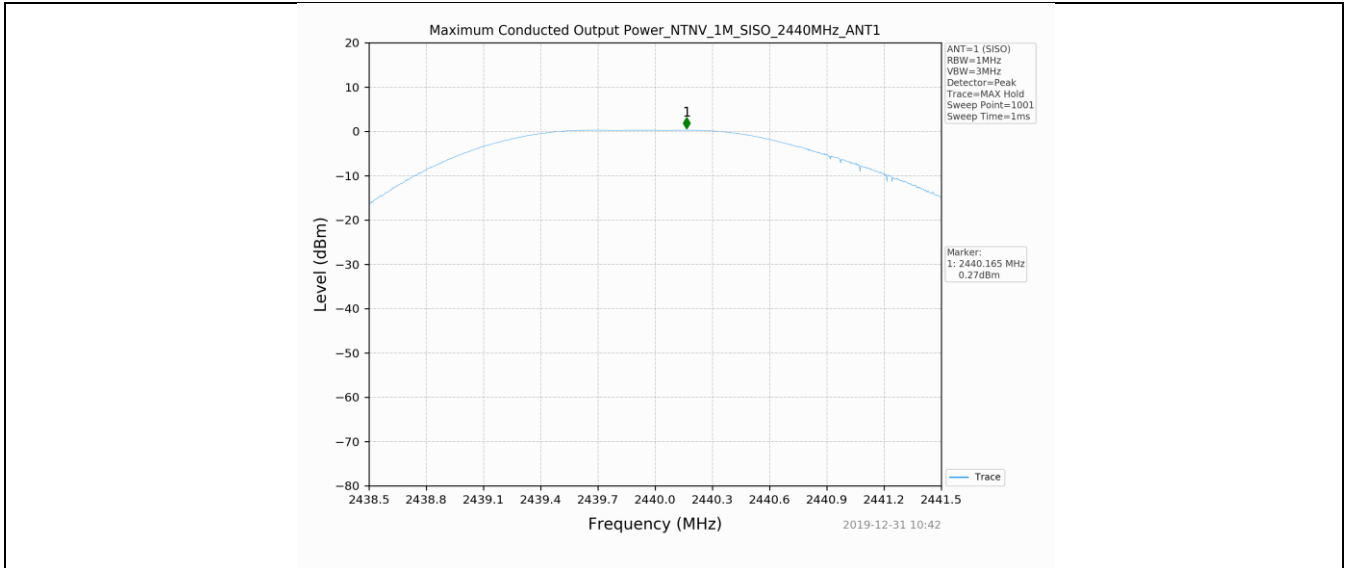
2. Maximum Conducted Output Power

2.1 Test Result

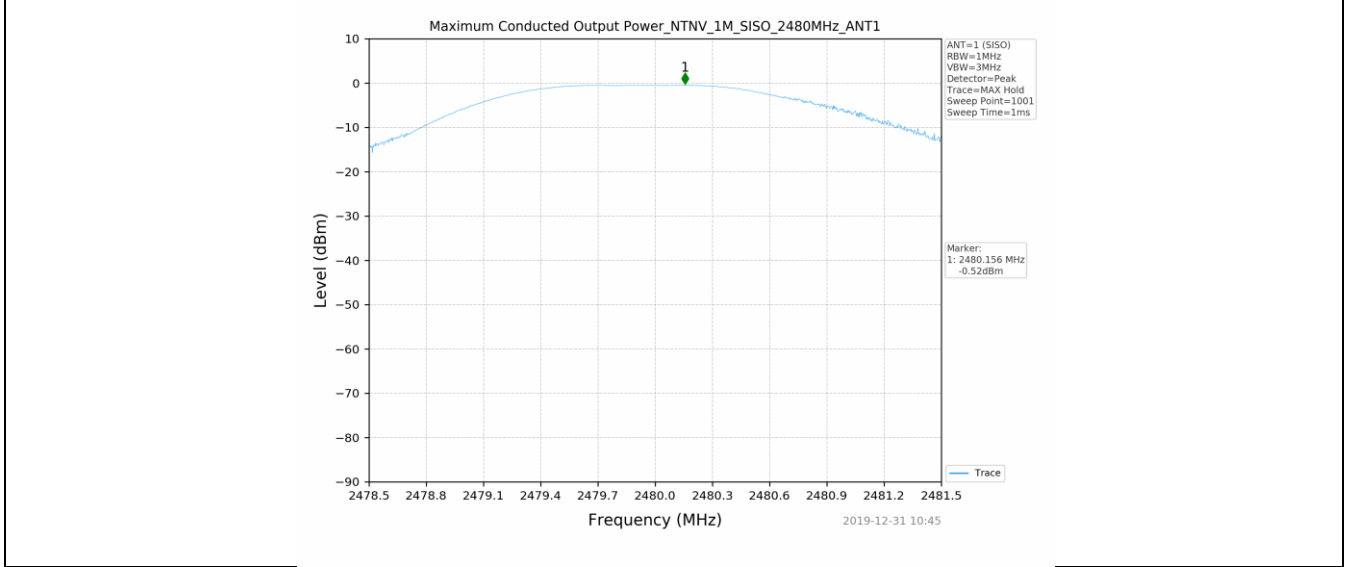
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
1M	2402	SISO	0.32	30	PASS
	2440	SISO	0.27	30	PASS
	2480	SISO	-0.52	30	PASS

2.2 Test Graph





1M_2480MHz_SISO_ANT1



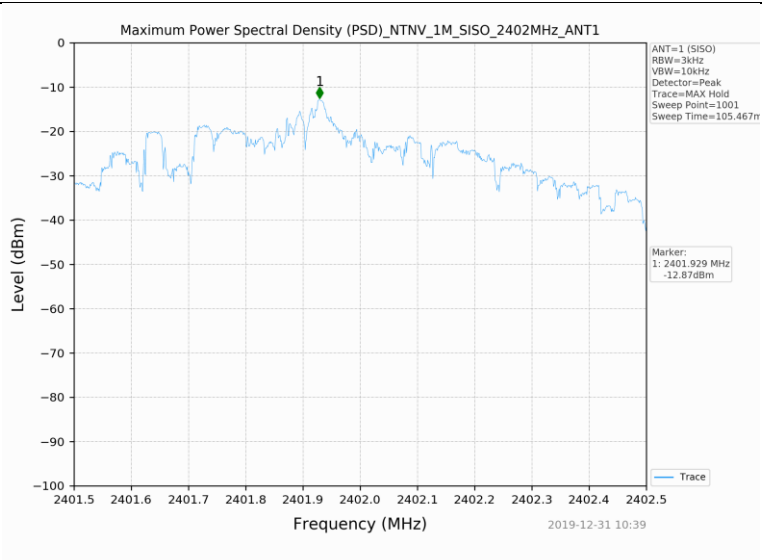
3. Maximum Power Spectral Density (PSD)

3.1 Test Result

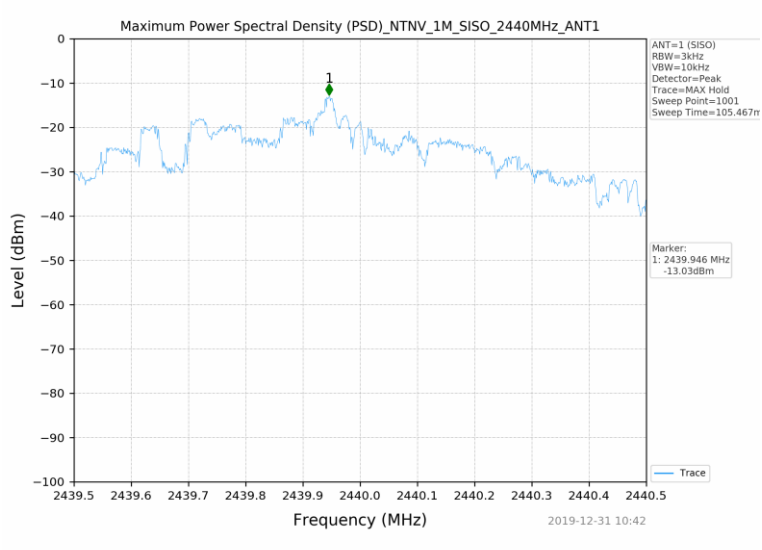
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
1M	2402	SISO	-12.87	≤8	PASS
	2440	SISO	-13.03	≤8	PASS
	2480	SISO	-13.83	≤8	PASS

3.2 Test Graph

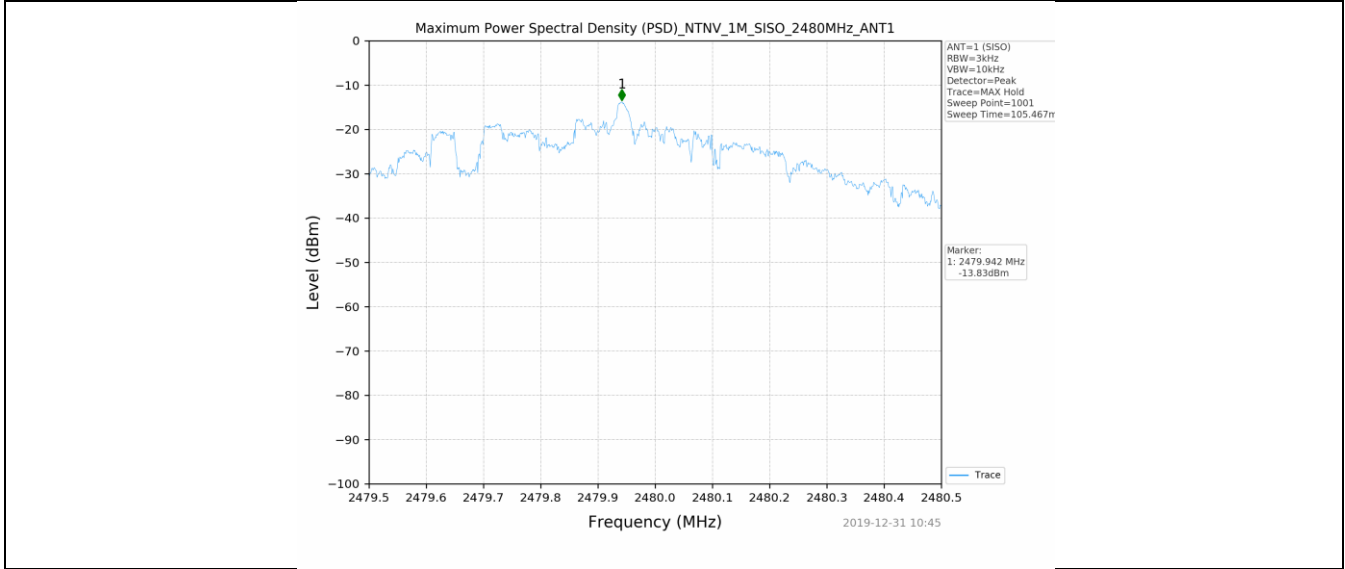
1M_2402MHz_SISO_ANT1



1M_2440MHz_SISO_ANT1



1M_2480MHz_SISO_ANT1

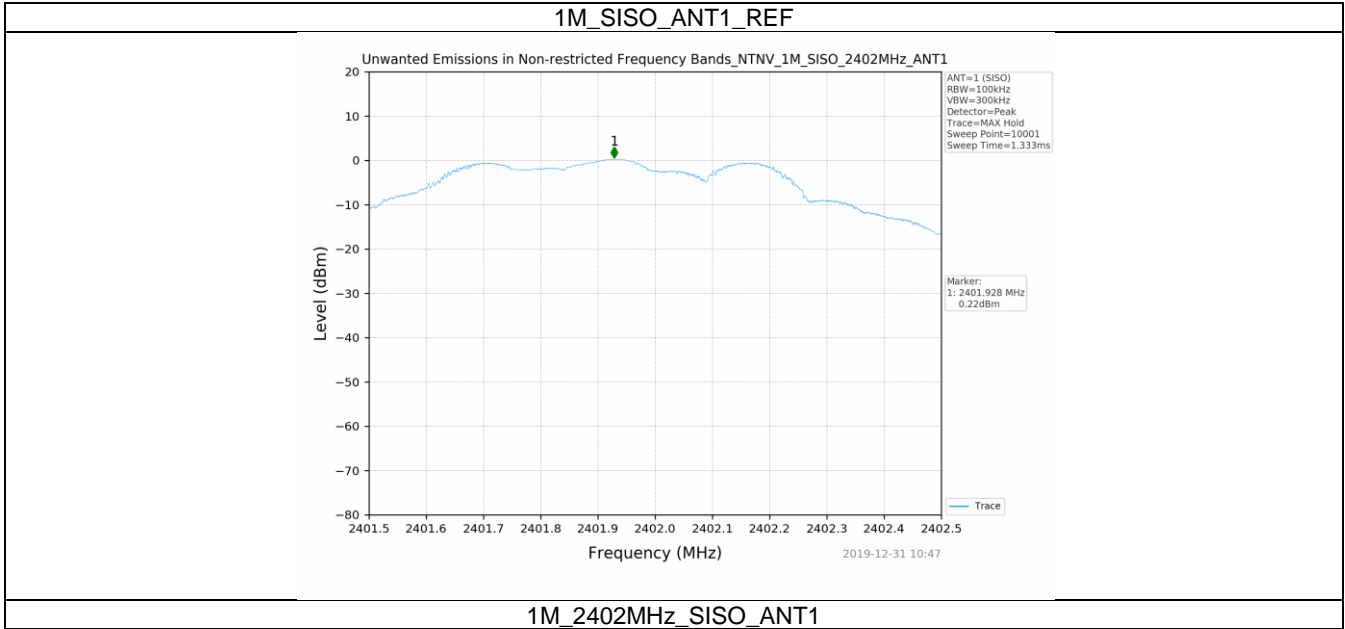


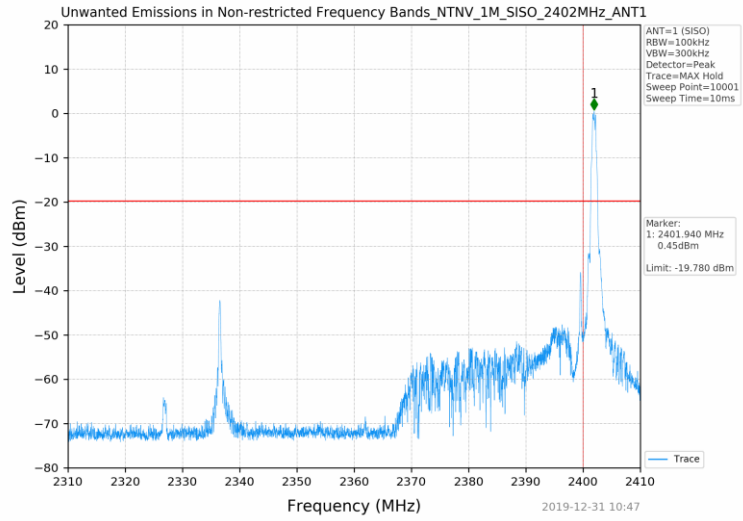
4. Unwanted Emissions in Non-restricted Frequency Bands

4.1 Test Result

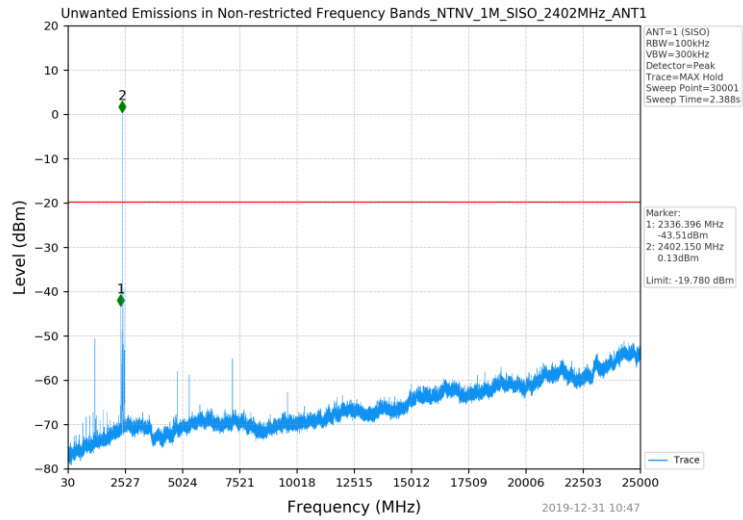
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
1M	2402	SISO	1	Refer to test graph	-19.78	PASS
	2440	SISO	1	Refer to test graph	-19.78	PASS
	2480	SISO	1	Refer to test graph	-19.78	PASS

4.2 Test Graph

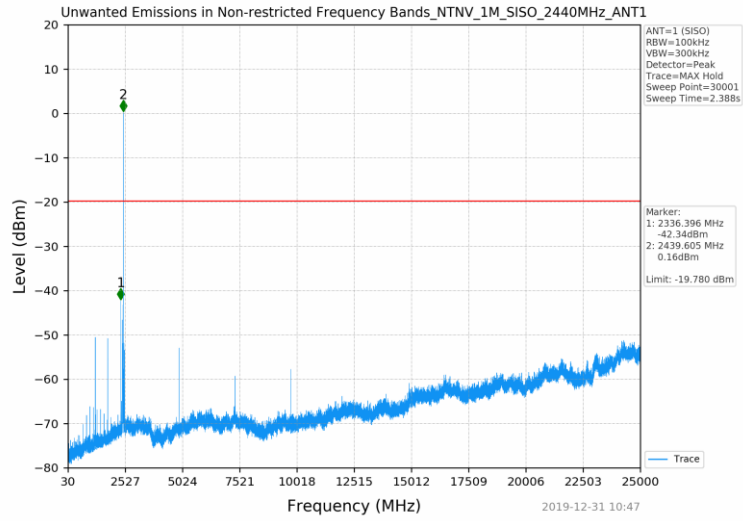




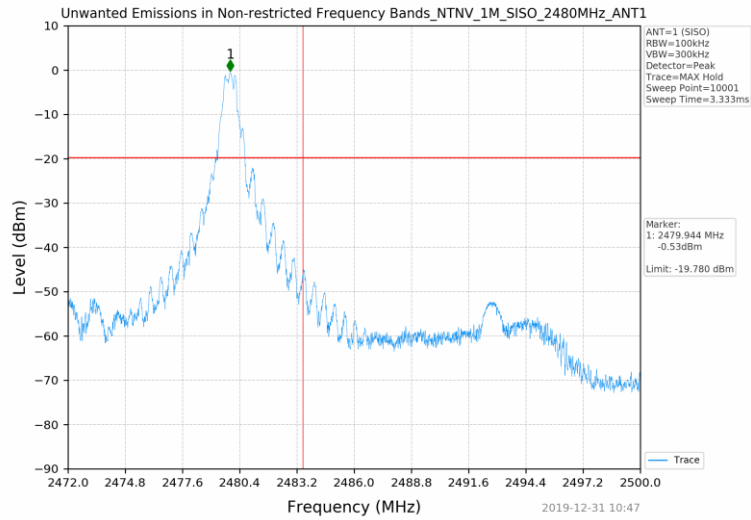
1M_2402MHz_SISO_ANT1



1M_2440MHz_SISO_ANT1



1M_2480MHz_SISO_ANT1



1M_2480MHz_SISO_ANT1

