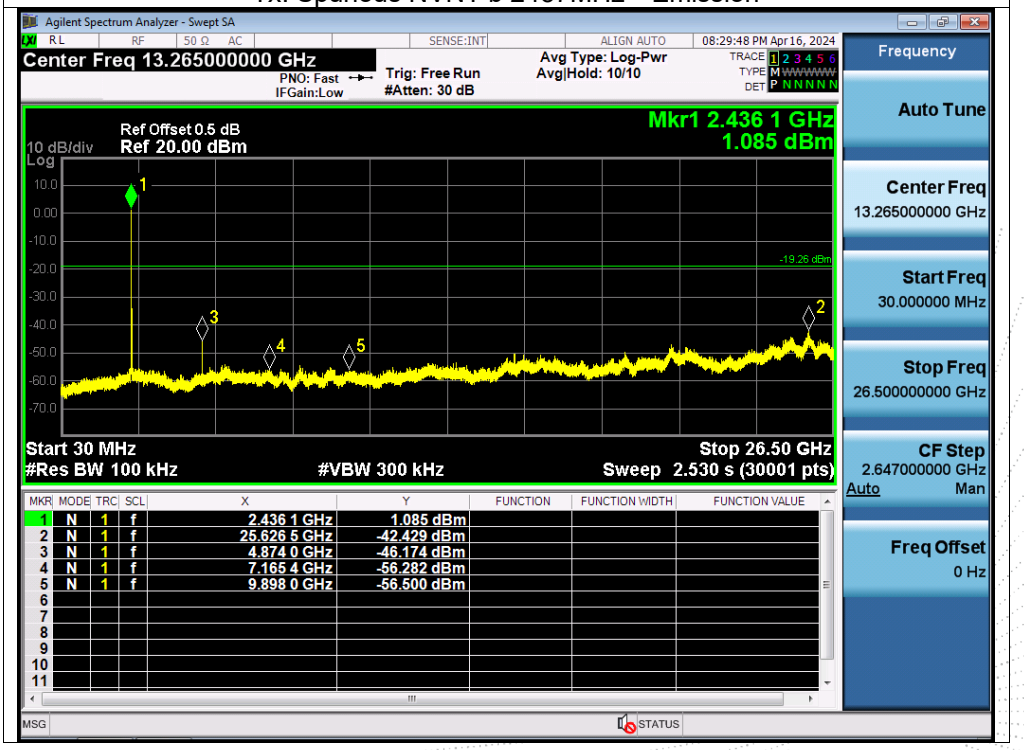
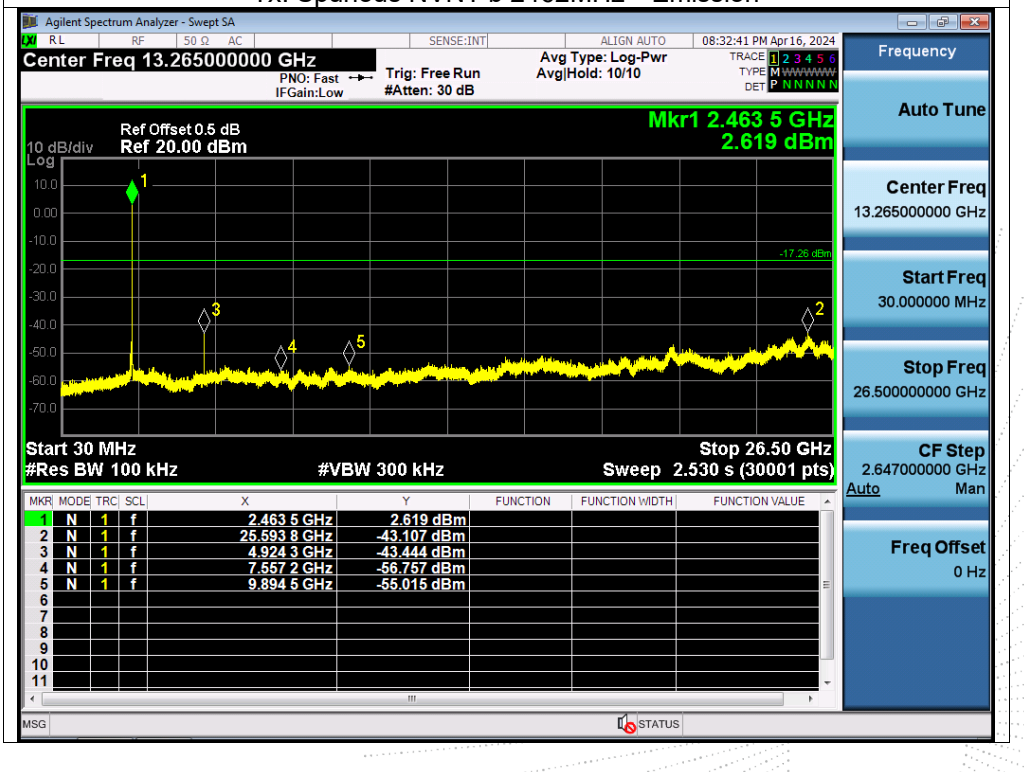
Tx. Spurious NVNT b 2437MHz Ref

Tx. Spurious NVNT b 2437MHz Emission

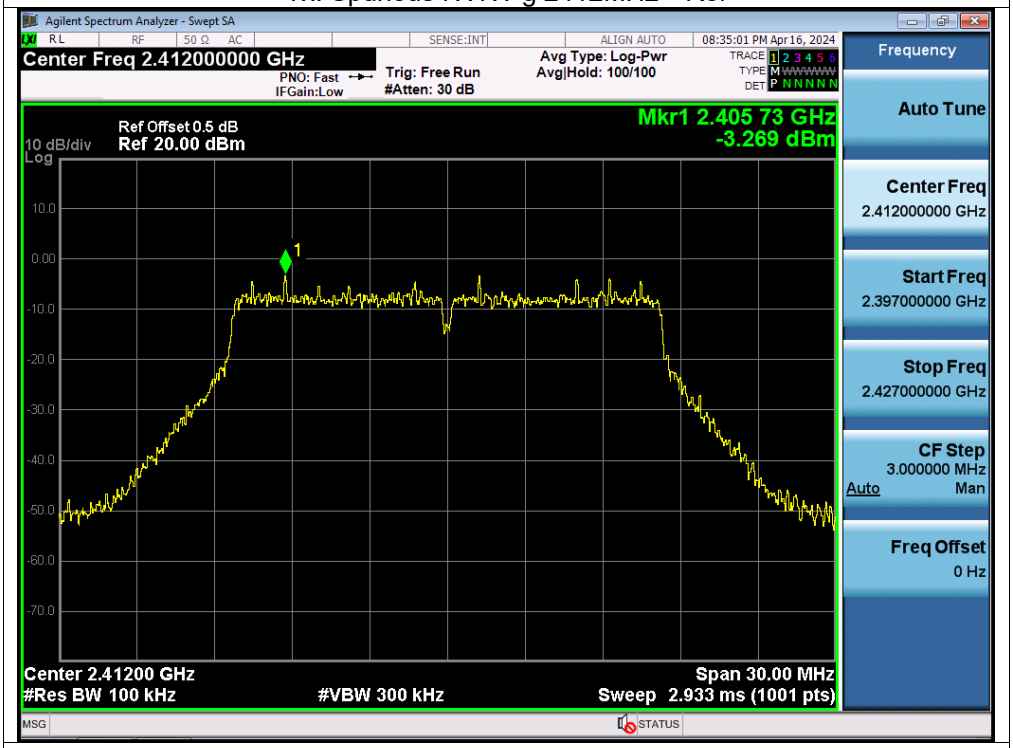


Tx. Spurious NVNT b 2462MHz Ref

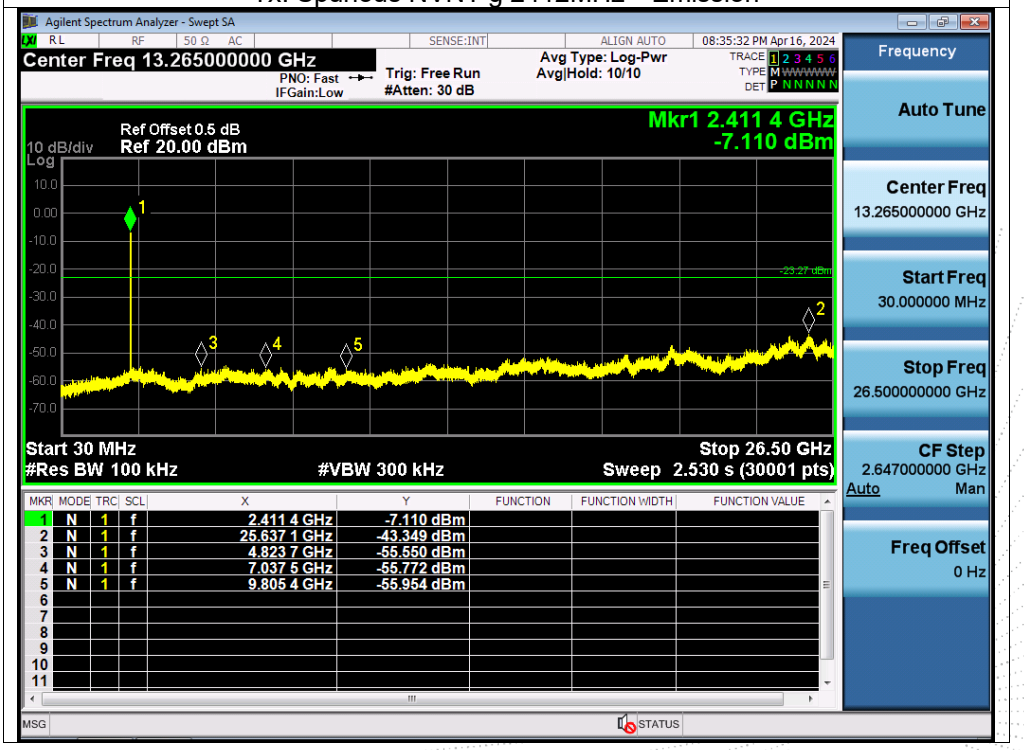
Tx. Spurious NVNT b 2462MHz Emission



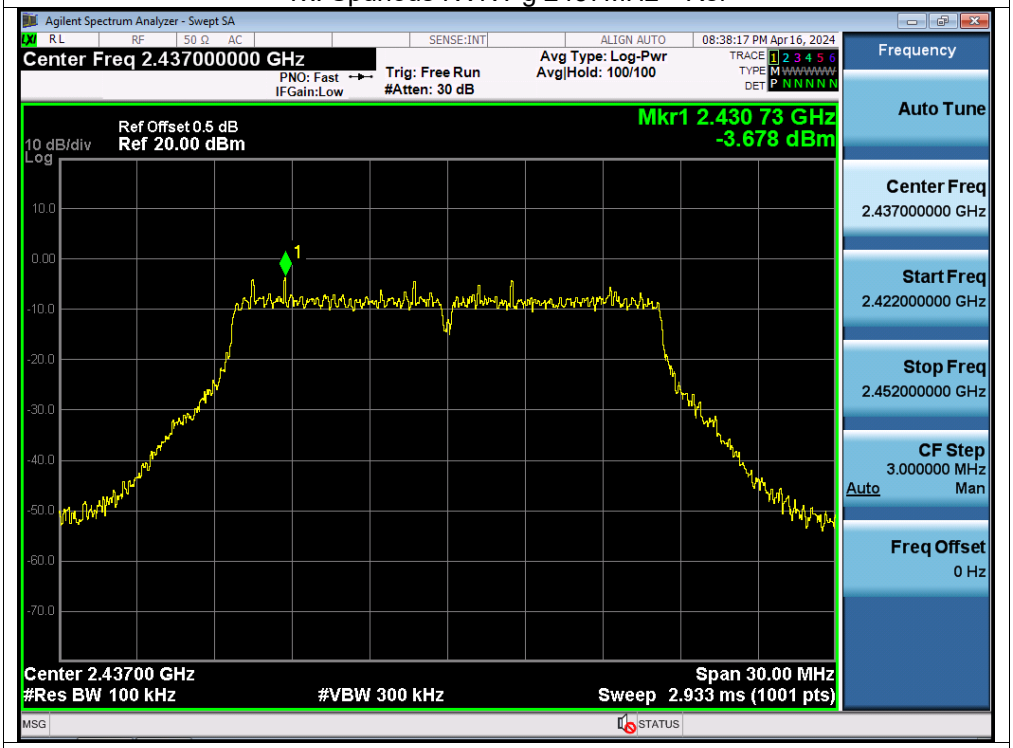
Tx. Spurious NVNT g 2412MHz Ref



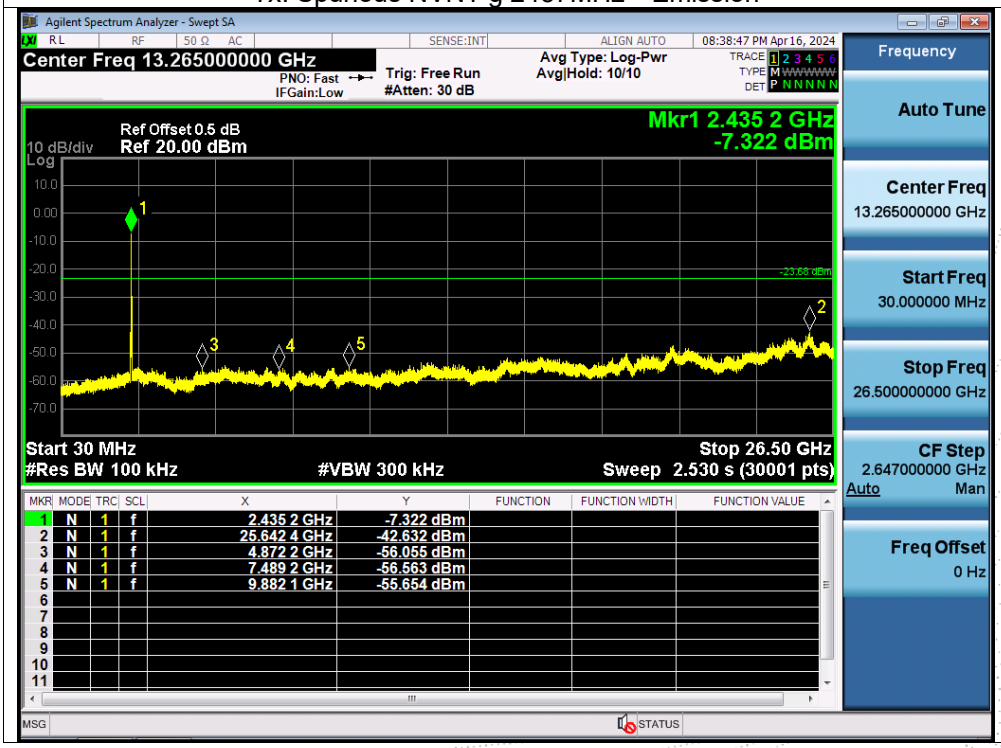

Tx. Spurious NVNT g 2412MHz Emission



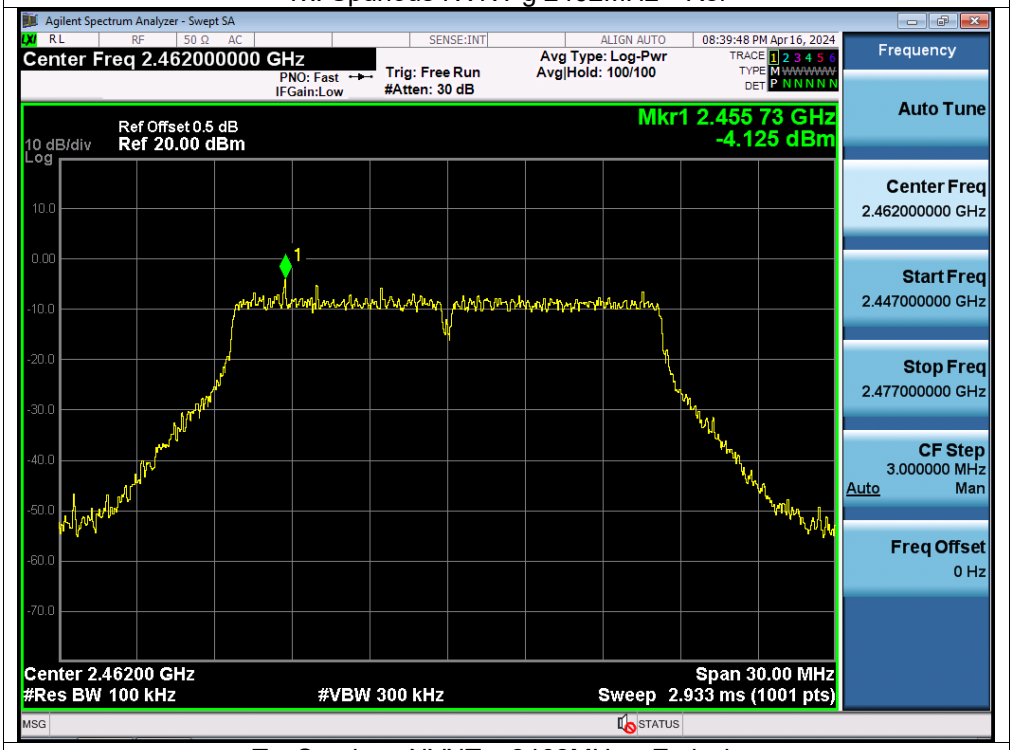
Tx. Spurious NVNT g 2437MHz Ref



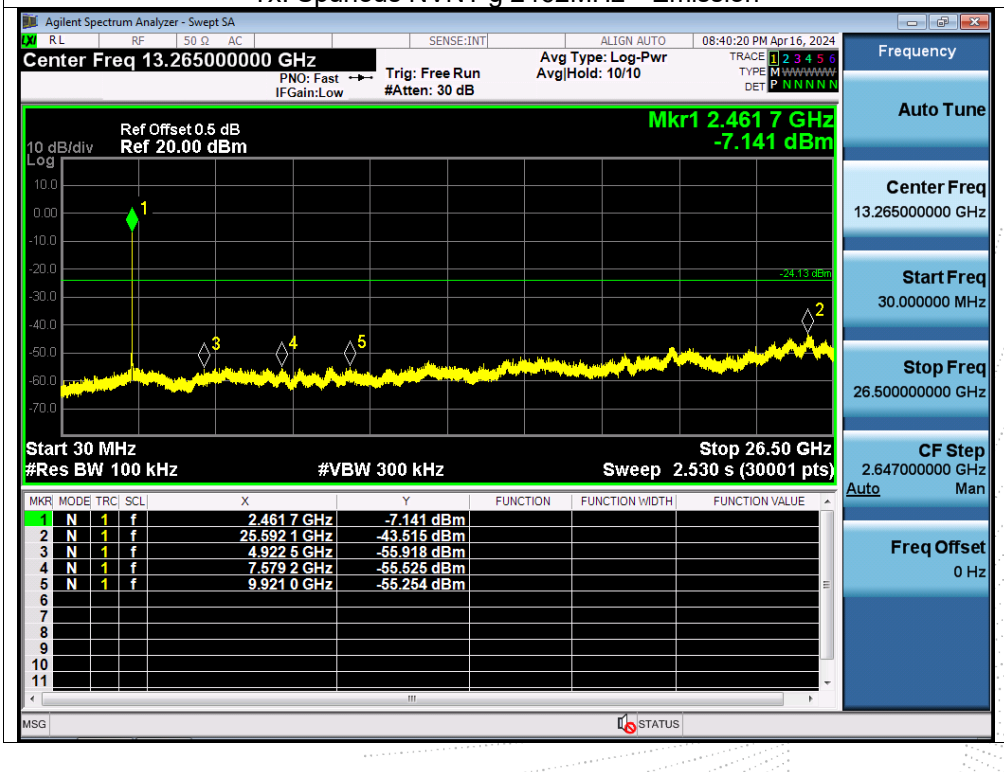

Tx. Spurious NVNT g 2437MHz Emission



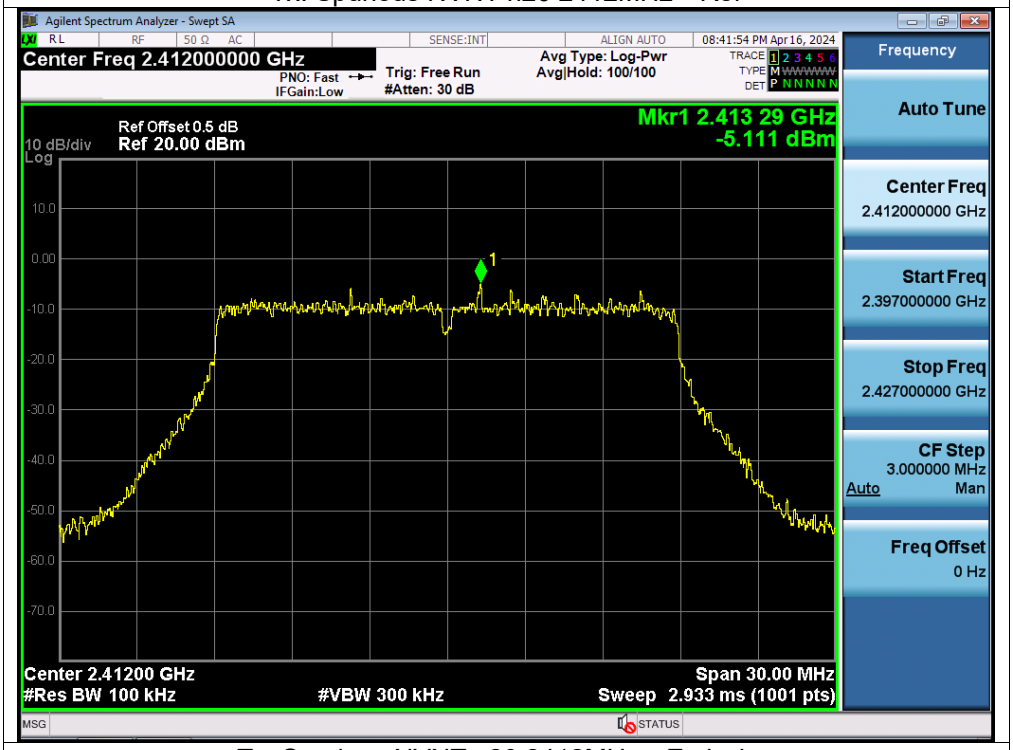
Tx. Spurious NVNT g 2462MHz Ref



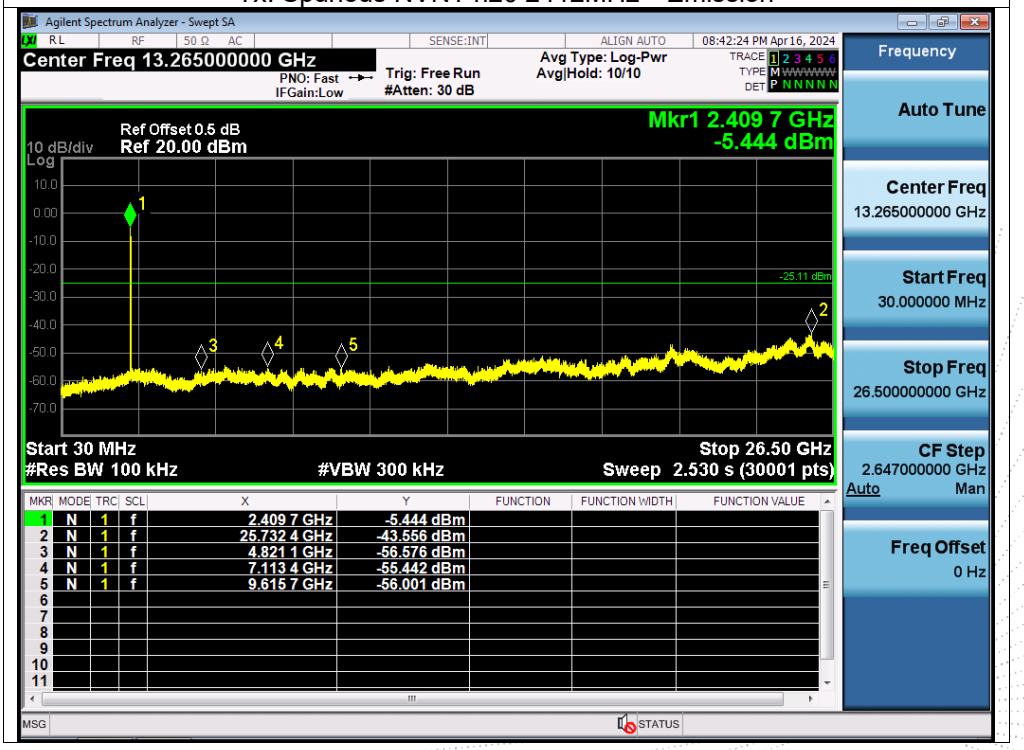

Tx. Spurious NVNT g 2462MHz Emission



Tx. Spurious NVNT n20 2412MHz Ref

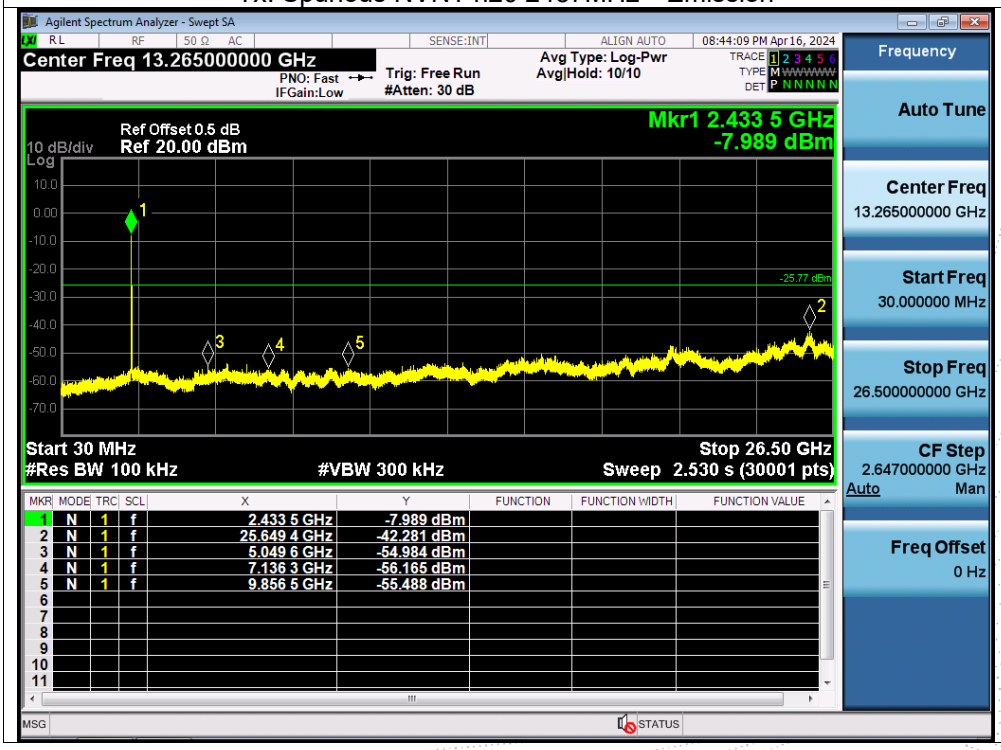



Tx. Spurious NVNT n20 2412MHz Emission



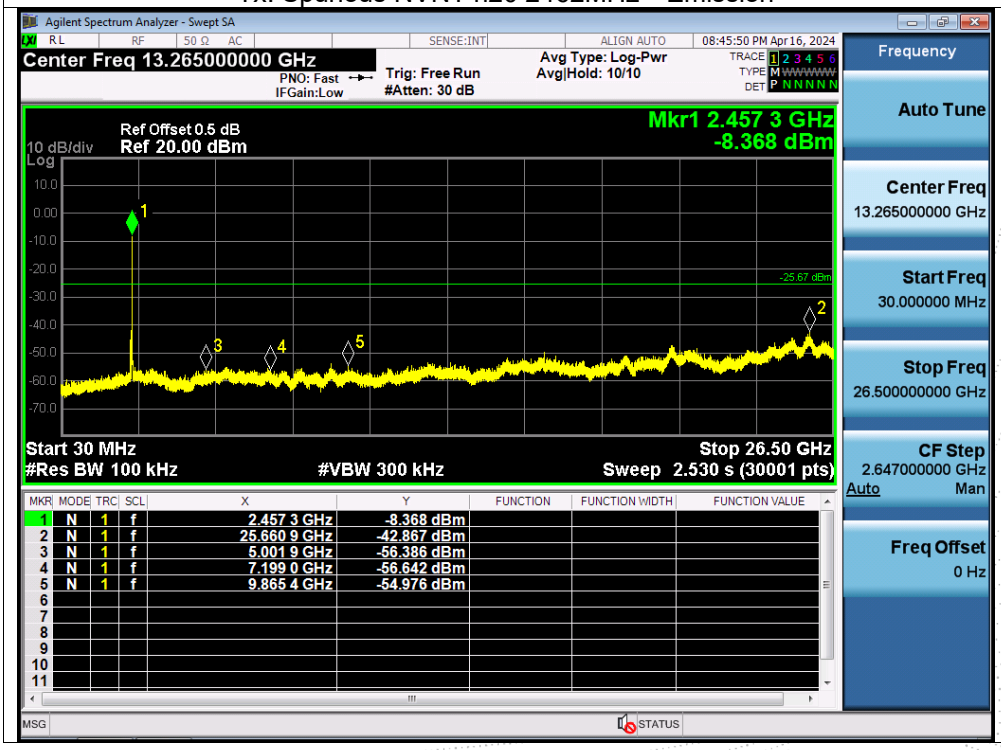
Tx. Spurious NVNT n20 2437MHz Ref

Tx. Spurious NVNT n20 2437MHz Emission



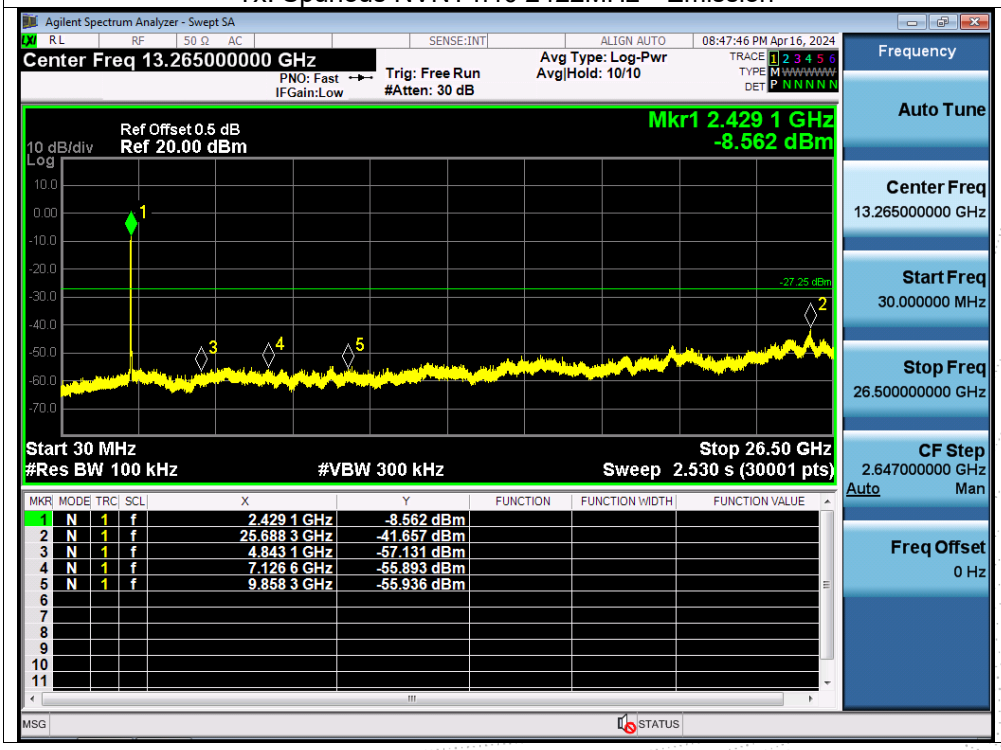
Tx. Spurious NVNT n20 2462MHz Ref

Tx. Spurious NVNT n20 2462MHz Emission



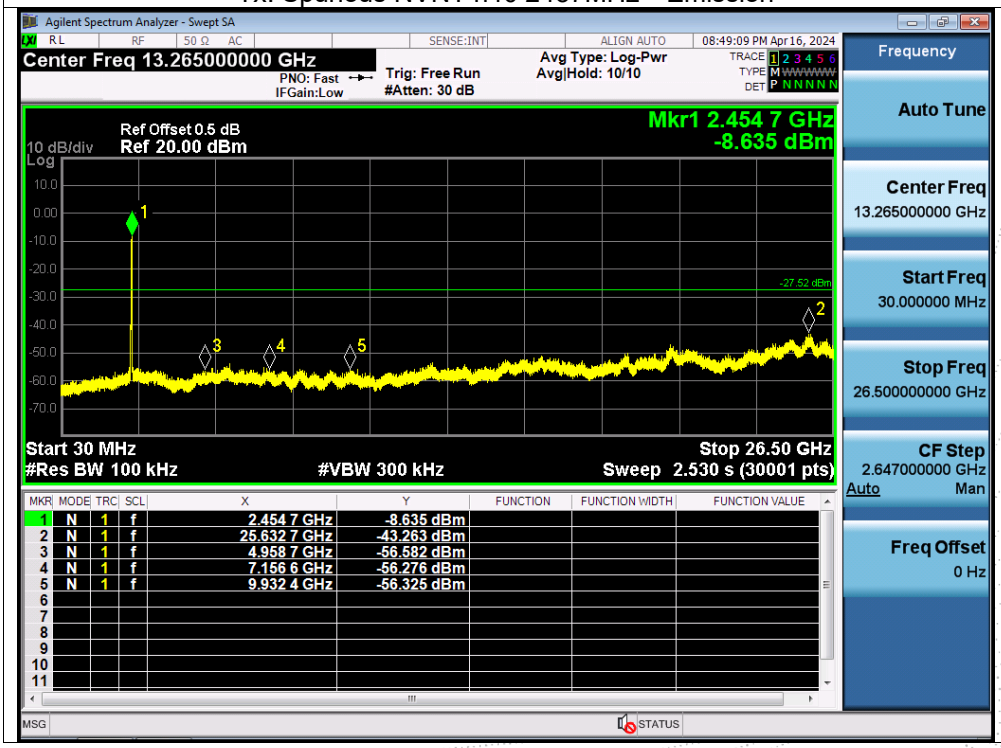
Tx. Spurious NVNT n40 2422MHz Ref

Tx. Spurious NVNT n40 2422MHz Emission



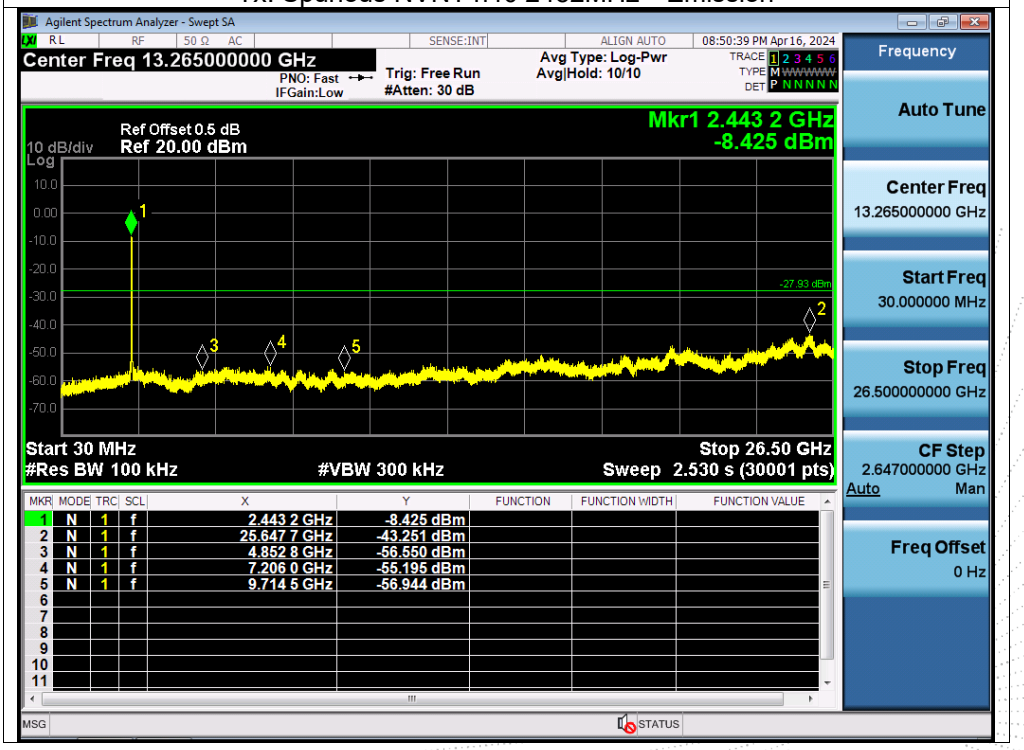
Tx. Spurious NVNT n40 2437MHz Ref

Tx. Spurious NVNT n40 2437MHz Emission



Tx. Spurious NVNT n40 2452MHz Ref

Tx. Spurious NVNT n40 2452MHz Emission



# 13. Duty Cycle Of Test Signal

## 13.1 Standard Requirement

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle. All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

## 13.2 Formula

Duty Cycle = Ton / (Ton+Toff)

## 13.3 Test Procedure

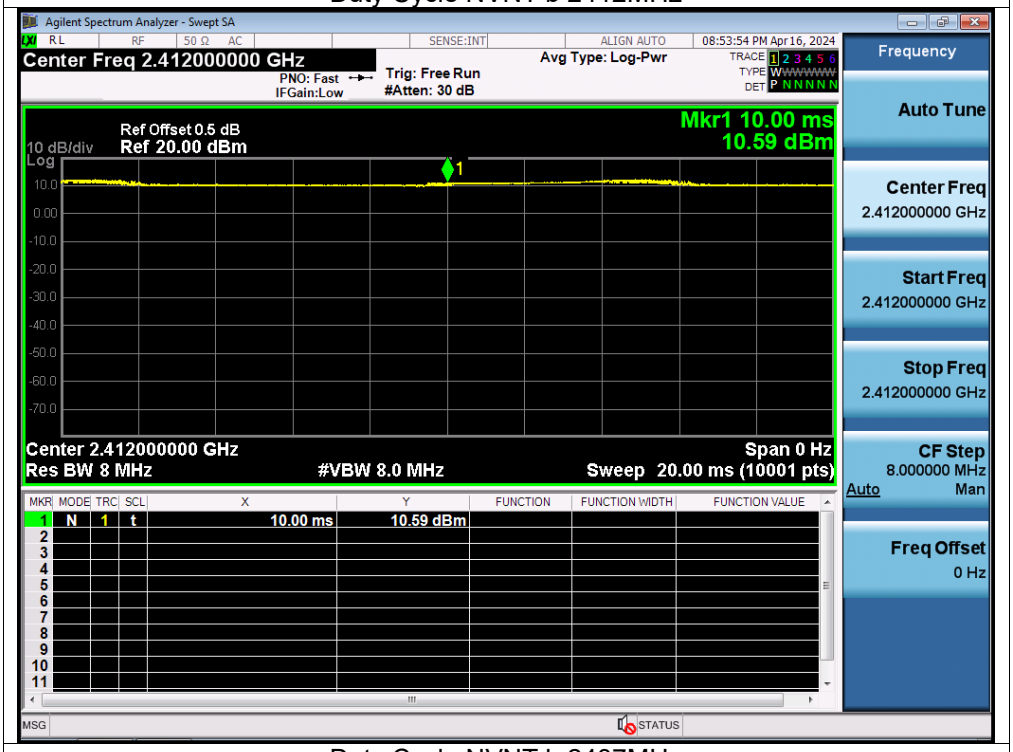
1.Set span = Zero
2. RBW = 10MHz
3. VBW = 10MHz,
4. Detector = Peak

## 13.4 Test Result

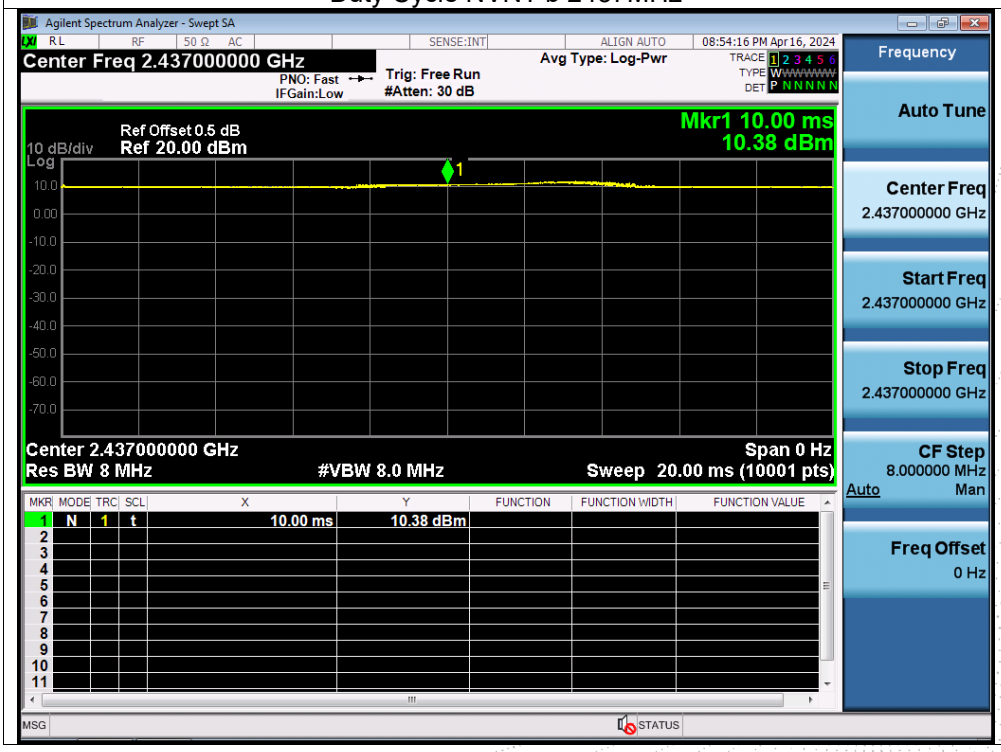
| Test mode | Frequency (MHz) | Duty Cycle(%) | Duty Fator(dB) |
|---|---|---|---|
| 802.11b | 2412 | 100 | 0 |
| | 2437 | 100 | 0 |
| | 2462 | 100 | 0 |
| 802.11g | 2412 | 100 | 0 |
| | 2437 | 100 | 0 |
| | 2462 | 100 | 0 |
| 802.11n(HT20) | 2412 | 100 | 0 |
| | 2437 | 100 | 0 |
| | 2462 | 100 | 0 |
| 802.11n(HT40) | 2422 | 100 | 0 |
| | 2437 | 100 | 0 |
| | 2452 | 100 | 0 |

Test Graphs

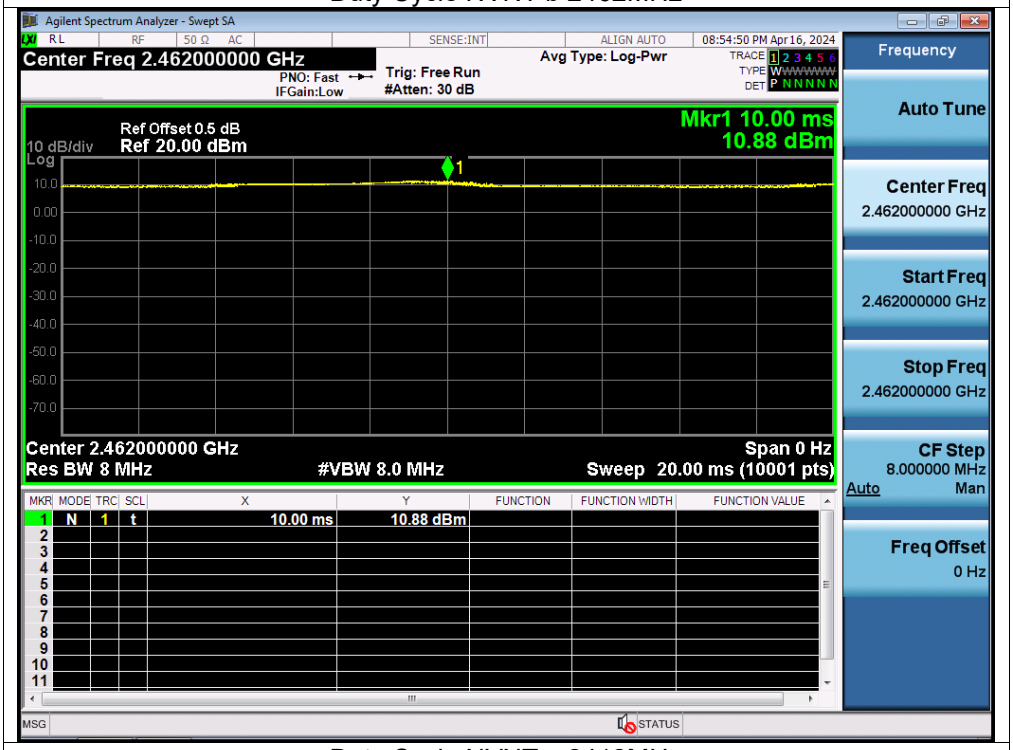
Duty Cycle NVNT b 2412MHz



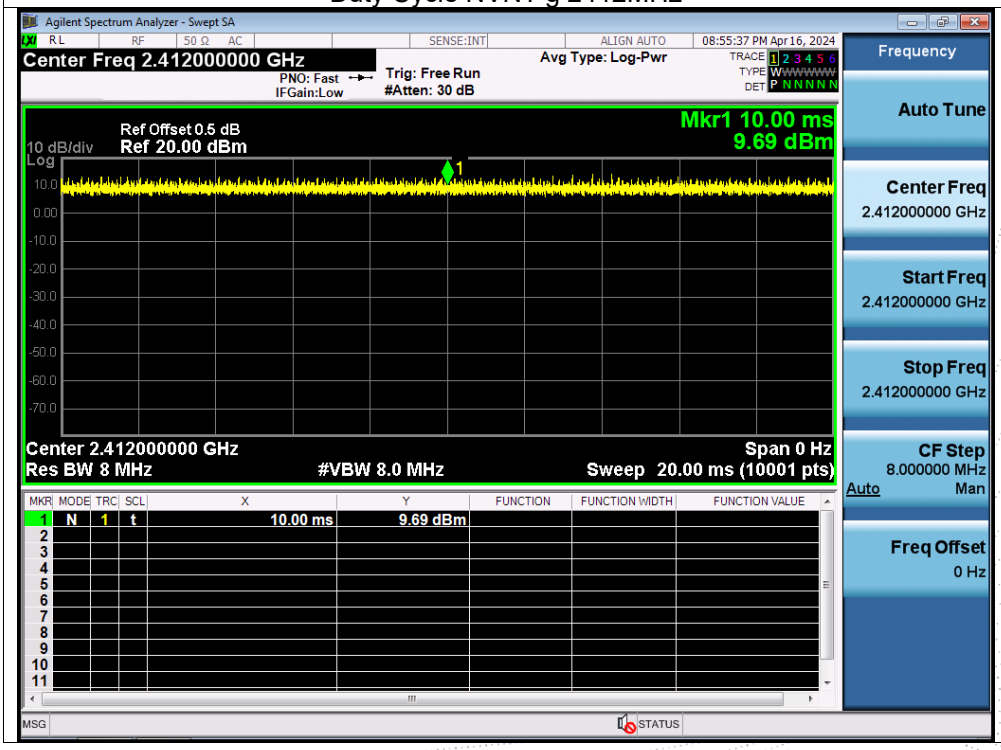

Duty Cycle NVNT b 2437MHz



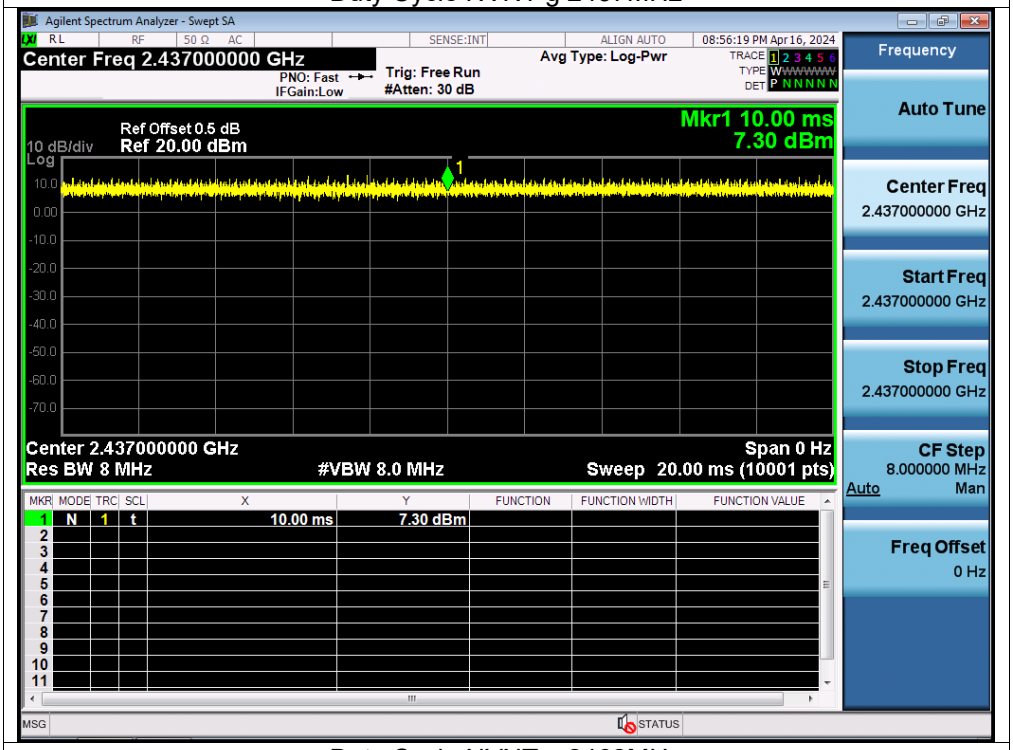
Duty Cycle NVNT b 2462MHz



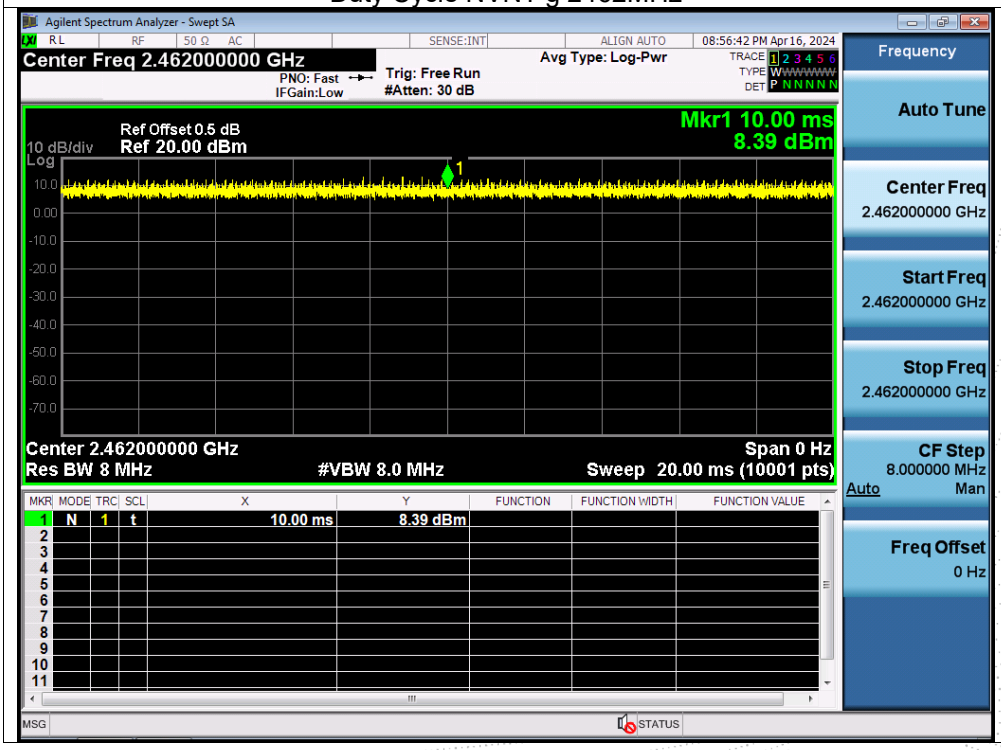

Duty Cycle NVNT g 2412MHz



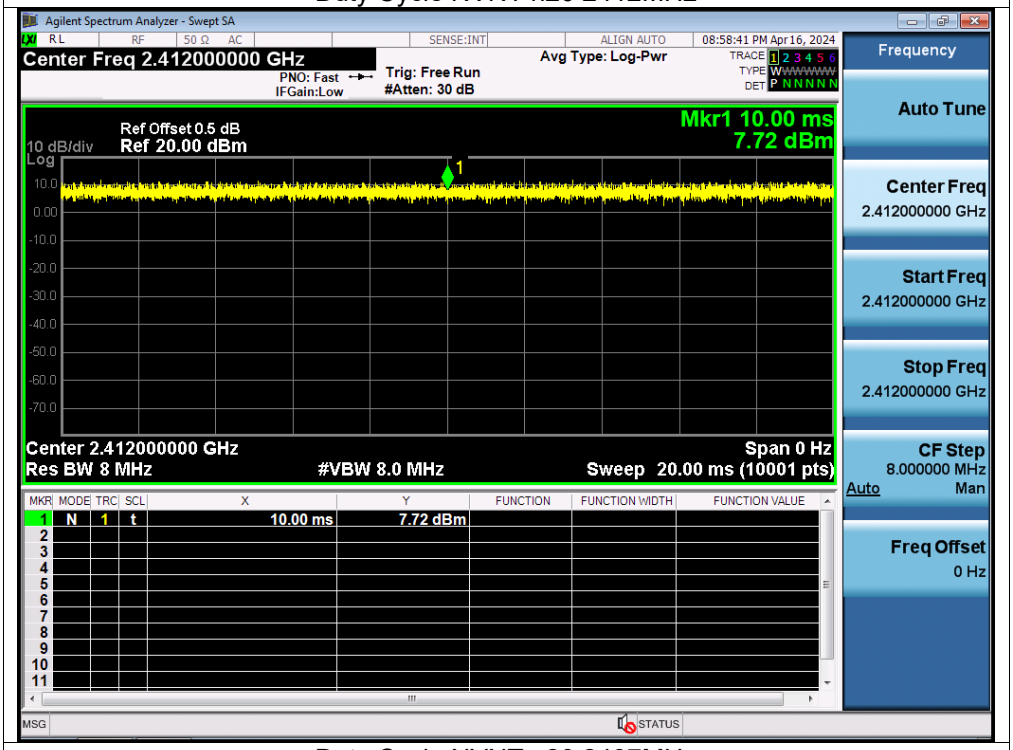
Duty Cycle NVNT g 2437MHz



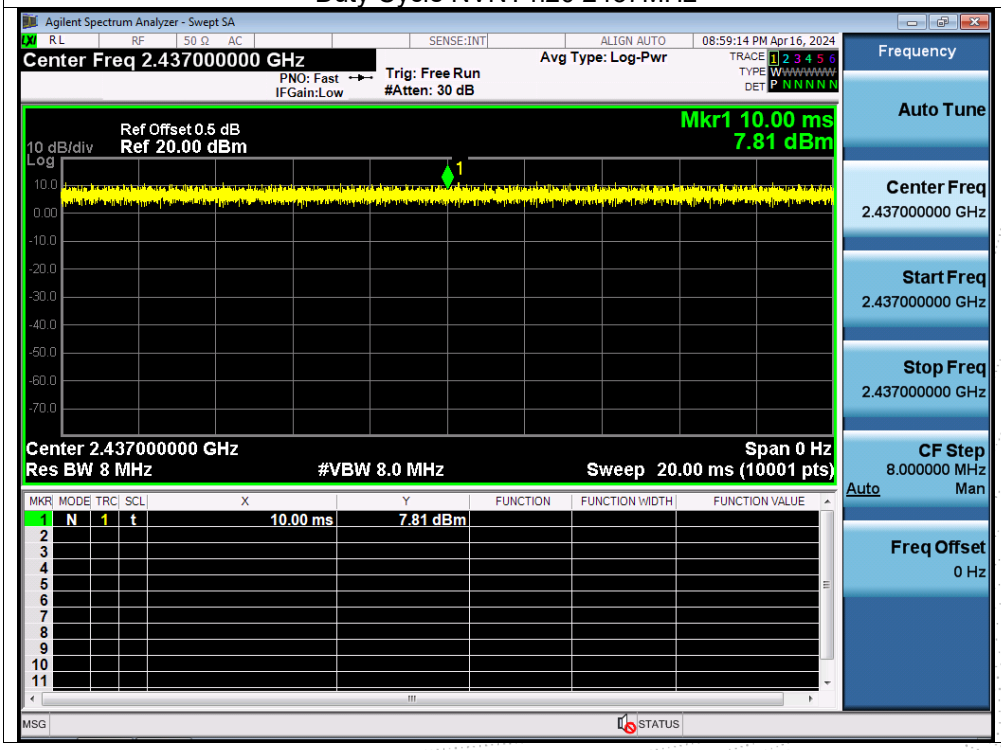

Duty Cycle NVNT g 2462MHz



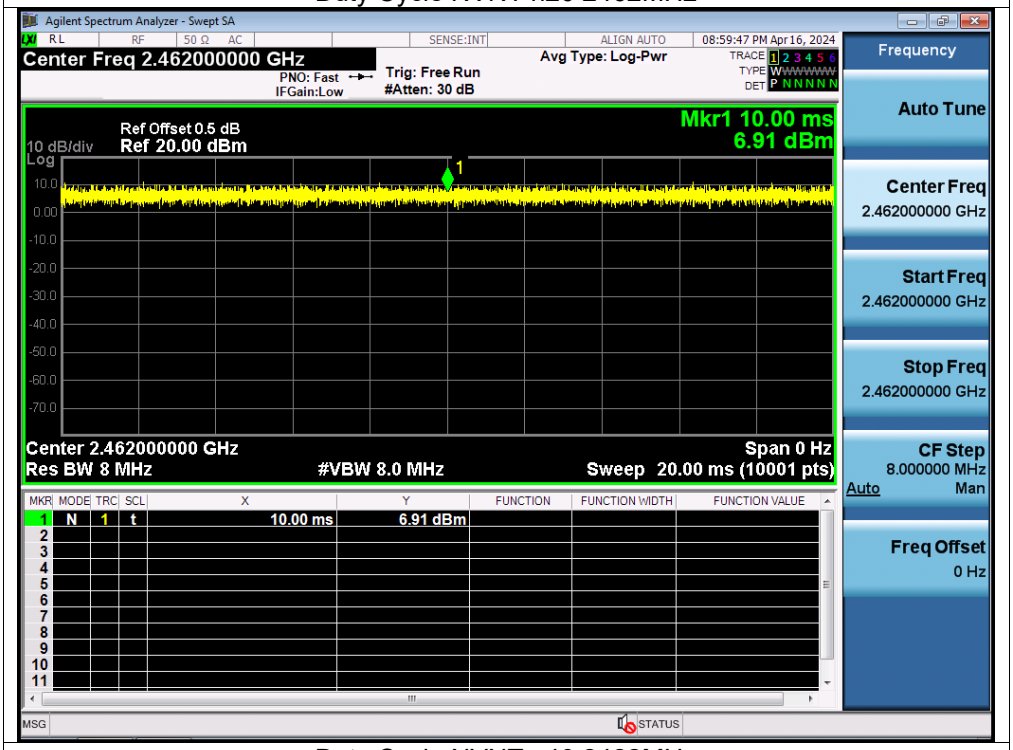
Duty Cycle NVNT n20 2412MHz



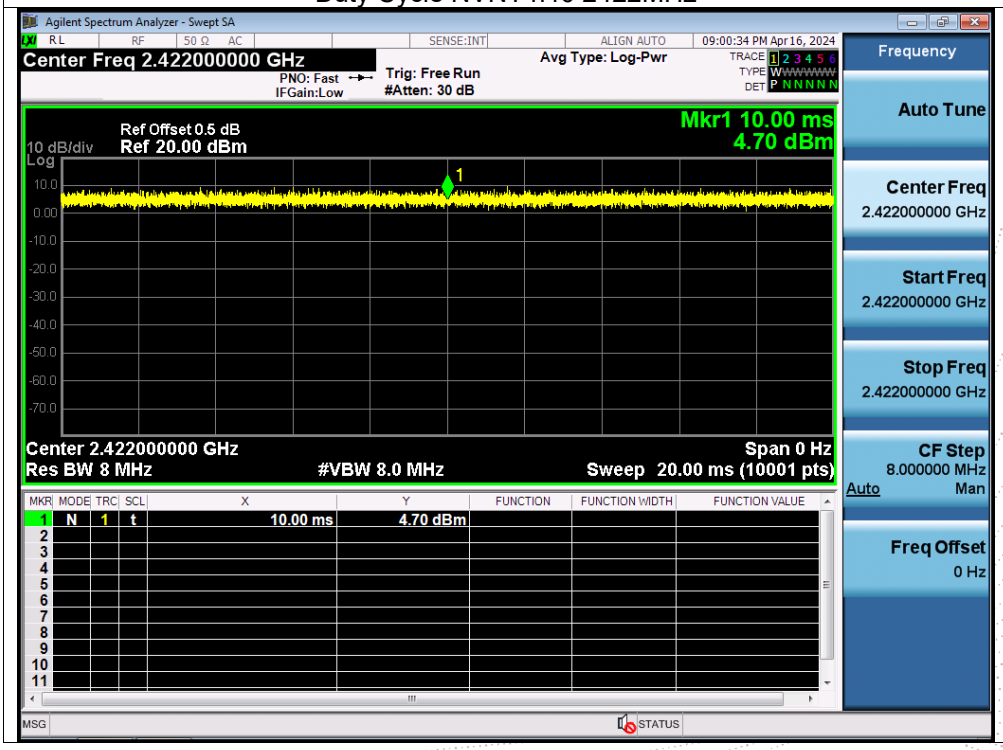

Duty Cycle NVNT n20 2437MHz



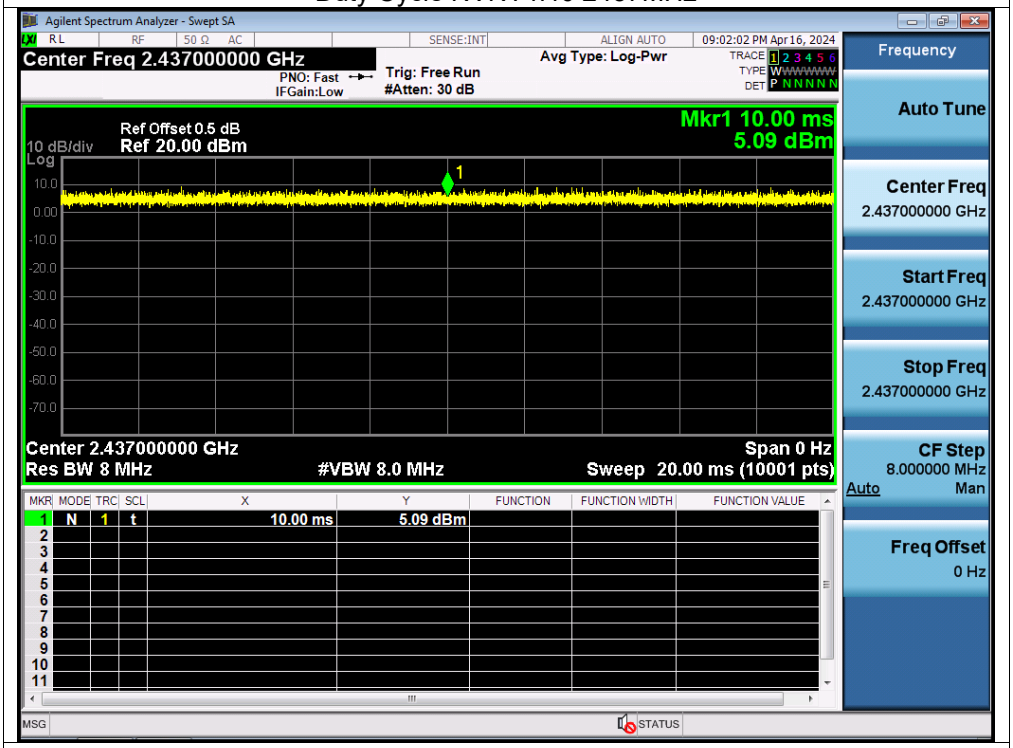
Duty Cycle NVNT n20 2462MHz



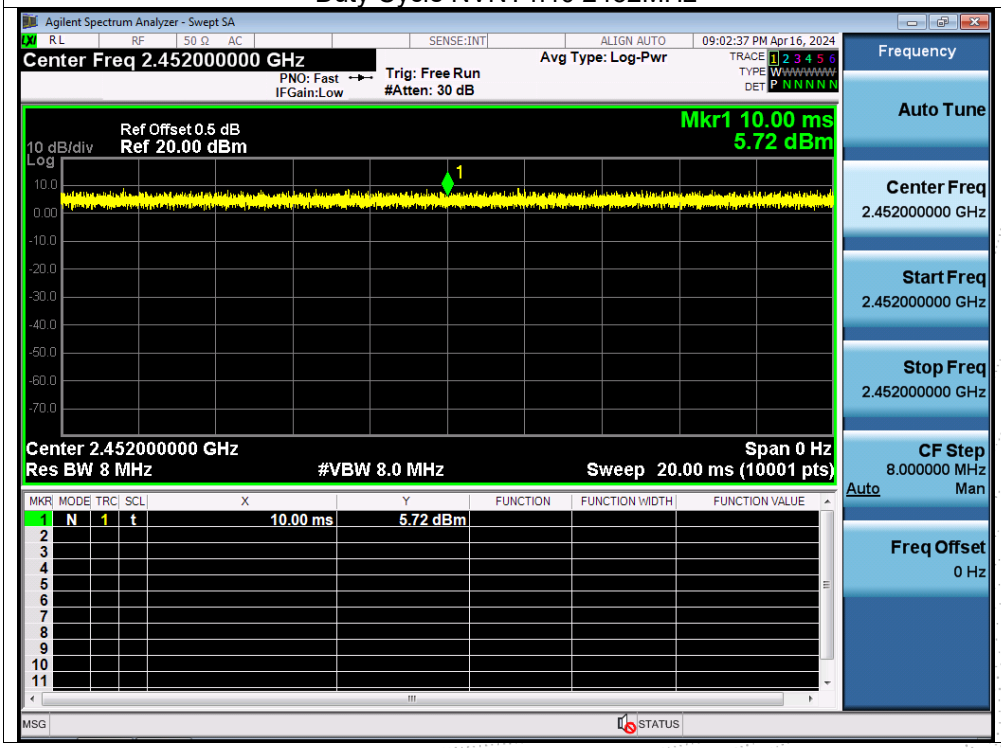

Duty Cycle NVNT n40 2422MHz



Duty Cycle NVNT n40 2437MHz




Duty Cycle NVNT n40 2452MHz



# 14. Antenna Requirement

## 14.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

## 14.1 Test Result

The EUT antenna is Internal antenna, fulfill the requirement of this section.

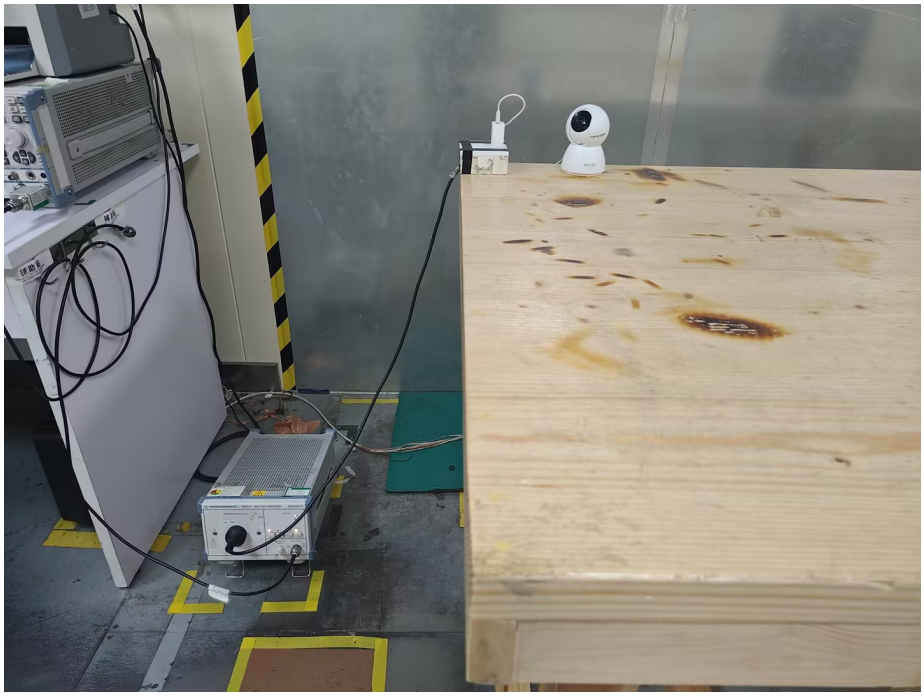
## 15. EUT Photographs

EUT Photo

NOTE: Appendix-Photographs Of EUT Constructional Details

## 16. EUT Test Setup Photographs

Conducted emissions



Radiated Measurement Photos

# STATEMENT

1. The equipment lists are traceable to the national reference standards.

2. The test report can not be partially copied unless prior written approval is issued from our lab.

3. The test report is invalid without the "special seal for inspection and testing".

4. The test report is invalid without the signature of the approver.

5. The test process and test result is only related to the Unit Under Test.

6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.

7. The quality system of our laboratory is in accordance with ISO/IEC17025.

8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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P.C.: 518103

FAX: 0755-33229357

Website: http://www.chnbctc.com

E-Mail: bctc@bctc-lab.com.cn

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