Compliance Laboratory

# TEST REPORT

## ARIB STD T-66 Ver.3.7
## Item 19 of Article 2 Paragraph 1

| | |
|---|---|
| **Report Reference No.....** : | MTEB26070135-R1 |
| Compiled by<br>( position+printed name+signature).. : | Alisa(Engineer) |
| Supervised by<br>( position+printed name+signature).. : | Sunny Deng(Engineer) |
| Approved by<br>( position+printed name+signature).. : | Yvette Zhou (Manager) |
| Date of issue..... : | **Jul.15,2026** |
| **Testing Laboratory Name.....:** | **Shenzhen Most Technology Service Co., Ltd.** |
| Address..... : | No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen,China |
| **Applicant's name**..... : | **SnapSwing Limited** |
| Address..... : | Unit A James Carter Road, Mildenhall, Bury St. Edmunds, England, IP28 7DE |
| **Test specification**..... : | |
| Standard..... : | **ARIB STD T-66 Ver.3.7**<br>**Item 19 of Article 2 Paragraph 1** |

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| | |
|---|---|
| **Test item description.....:** | SnapSwing |
| Trade Mark..... : | 2026-080671 |
| Model/Type reference..... : | SS01 |
| Listed Models ..... : | N/A |
| Ratings..... : | DC 3.7V by Battery/DC 5V by USB Port |
| Modulation ..... : | GFSK |
| Frequency..... | 2402MHz -2480MHz |
| HW Ver..... | V1.1 |
| SW Ver..... | V1.0 |
| Result..... : | **PASS** |

# TEST REPORT

| | | |
|---|---|---|
| Equipment under Test | : | SnapSwing |
| Model /Type | : | SS01 |
| Listed Models | | N/A |
| Remark | | N/A |
| Applicant | : | **SnapSwing Limited** |
| Address | : | Unit A James Carter Road, Mildenhall, Bury St. Edmunds, England, IP28 7DE |
| Manufacturer | : | **SnapSwing Limited** |
| Address | : | Unit A James Carter Road, Mildenhall, Bury St. Edmunds, England, IP28 7DE |

| | |
|---|---|
| **Test Result**: | **PASS** |

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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# 1 SUMMAR

## 1.1 Test Standards

The tests were performed according to following standards:

ARIB STD-T66: Second-Generation Low-Power Data Communication System/Wireless LAN System
MIC Notice No.88 Appendix No. 43: 2.4 GHz band wide-band low-power data communication system

## 1.2 Test Description

| MIC Notice No.88 Appendix No.43 | |
|---|---|
| Test Item | Result |
| Antenna Power | PASS |
| Tolerances for Antenna Power | PASS |
| Frequency Tolerance | PASS |
| Transmission Rate | PASS |
| Occupied Frequency Bandwidth | PASS |
| Spurious Emissions | PASS |
| Transmission Antenna Gain (EIRP Antenna Power) | PASS |
| Transmission Radiated Angle Width (3dB Beam width) | N/A |
| Interference prevention function | PASS |
| Carrier Sensing function | N/A Note(2) |
| Receiver Parameters | |
| Secondary Radiated Emissions | PASS |

Note: (1) N/A is an abbreviation for Not Applicable.
(2)Not apply to this device, since EIRP does not require compensation through Antenna Power.

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## 1.3 TEST ENVIRONMENT

### 1.3.1 Address of the test laboratory

Shenzhen Most Technology Service Co., Ltd.
No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen,China

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.3.2 Test Facility
The test facility is recognized, certified, or accredited by the following organizations:

**CNAS-Lab Code: L3573**

## 1.4 Measurement Uncertainty

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR100028-1 [2] and shall correspond to an expansion factor (coverage factor) K=1.96 or K=2 (which provide confidence levels of respectively 95% and 95.5% in the case where the distributions characterizing the actual measurement uncertainties are normal.

| Parameter | Uncertainty |
|---|---|
| Frequency error / 99%&90% bandwidth | $\pm 1.62*10^{-6}$ |
| Total RF power, conducted | ±0.8dB |
| Spurious emissions, conducted | ±0.8dB |
| DC and low frequency voltages | ±0.05% |
| Humidity | ±5% |
| Temperature | ±1℃ |

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# 2 GENERAL INFORMATION

## 2.1 General Remarks

| | | |
|---|---|---|
| Date of receipt of test sample | : | 2026.07.10 |
| | | |
| Testing commenced on | : | 2026.07.13 |
| | | |
| Testing concluded on | : | 2026.07.15 |

## 2.2 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

| | | |
|---|---|---|
| Voltage | Normal Voltage | DC 3.7V |
| | High Voltage | DC 4.07V |
| | Low Voltage | DC 3.33V |
| Other | Normal Temperature | 25°C |
| | Relative Humidity | 55 % |
| | Air Pressure | 989 hPa |

Note: As the EUT was powered by DC 3.7V and with the voltage stabilizing circuit used, the chip voltage received floating not exceed ±1% of nominal condition when working on extreme voltage, so all test performed at nominal voltage only.

## 2.3 General Description of EUT

| | |
|---|---|
| Product Name: | SnapSwing |
| Model: | SS01 |
| Power supply: | DC 3.7V by Battery/DC 5V by USB Port |
| **BT** | |
| Modulation Type | GFSK |
| Operation frequency | 2402MHz -2480MHz |
| Channel number | 40 |
| Antenna Gain | PCB Antenna -0.47dBi |

Note: For more detailed features description, please refer to the manufacturer’s specifications or the User's Manual.

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## 2.4 Description of Test Modes

The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

**Operation Frequency List:**

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---|---|---|---|
| **0** | **2402** | 20 | 2442 |
| 1 | 2404 | 21 | 2444 |
| 2 | 2406 | 22 | 2446 |
| 3 | 2408 | 23 | 2448 |
| 4 | 2410 | 24 | 2450 |
| 5 | 2412 | 25 | 2452 |
| 6 | 2414 | 26 | 2454 |
| 7 | 2416 | 27 | 2456 |
| 8 | 2418 | 28 | 2458 |
| 9 | 2420 | 29 | 2460 |
| 10 | 2422 | 30 | 2462 |
| 11 | 2424 | 31 | 2464 |
| 12 | 2426 | 32 | 2466 |
| 13 | 2428 | 33 | 2468 |
| 14 | 2430 | 34 | 2470 |
| 15 | 2432 | 35 | 2472 |
| 16 | 2434 | 36 | 2474 |
| 17 | 2436 | 37 | 2476 |
| 18 | 2438 | 38 | 2478 |
| **19** | **2440** | **39** | **2480** |

| For Radiated Emission | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | GFSK Mode(CH00 CH19 CH39) |

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## 2.5 Measurement Instruments List

| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| 1 | Spectrum Analyzer | Agilent | 9020A | MY48010446 | 2026/02/28 | 2027/02/27 |
| 2 | Power Meter | R&S | NRVS | 100696 | 2026/02/28 | 2027/02/27 |
| 3 | Power Meter | R&S | NRVS | 100697 | 2026/02/28 | 2027/02/27 |
| 4 | Test Software | Censheng | WCS-WCN | 2024.7.25 | N/A | N/A |

Note：Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law".

| | |
|---|---|
| Calibration Information: | Article24-2,Paragraph 4 of the Radio Act |
| Calibration unit: | Ti Testing & Certification Group Co., Ltd. Shenzhen Branch |
| Address: | Room 103, Building B, Hongji High tech Intelligent Industrial Park, No. 1008 Songbai Road, Nanshan District, Shenzhen |
| CNAS: | L17117 |

## 2.6 Table for Parameters of Test Software Setting

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

| Test software Version | Test program: FCC Test tool | | |
|---|---|---|---|
| Frequency | 2402 MHz | 2440 MHz | 2480 MHz |
| Parameter | DEF | DEF | DEF |

## 2.7 Test Voltage

**POWER SUPPLY VOLTAGE FLUCTUATION TEST**

| Voltage Fluctuation Test | Normal Voltage | High Voltage +10% of Normal Voltage | Low Voltage -10% of Normal Voltage |
|---|---|---|---|
| Input To EUT | DC 3.7V | DC 4.07V | DC 3.33V |
| Output To RF Module | DC 3.30V | DC 3.30V | DC 3.30V |
| Voltage Variation (%) | -- | -- | -- |

Note:
Voltage Variation (%)
= (Output high or Low Voltage - Output Normal Voltage)/ Output Normal Voltage* 100
During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations.
The sample power supply was confirmed that input voltage variation at the radio unit in the radio equipment to be tested is less than +1% against a variation of +10% at the input voltage from the external power supply to the radio equipment, and the radio equipment was designed so as to be operated in a specified voltage variation limit within +10%, Radio can only tested at rated voltage.

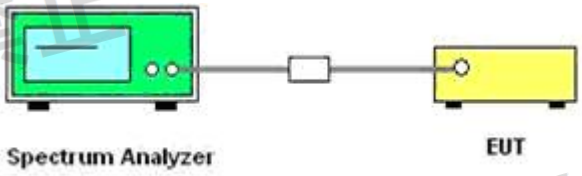
# 3 Test conditions and Results

## 3.1 Frequency Error

**LIMIT**

Tolerance of frequency shall be ±50x10-6.

**TEST CONFIGURATION**




**TEST PROCEDURE**

a. Set EUT work in test mode as described in clause 2.4.
b. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the channel under test.
Resolution BW: 10 KHz.
Video BW: 10 KHz.
Span: 1MHz.
Detector: Peak.
Trace Mode: Max Hold.
c. When the trace is complete, find the peak value of the power envelope and record.

**TEST RESULTS**

See Appendix II

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## 3.2 Antenna Power

**Standard Applicable**

| Type | Limit |
|---|---|
| DTS | 10mW |
| OFDM OBW<26MHz, DS | 10mW/MHz |
| OFDM OBW 26-40MHz | 5mW/MHz |
| Tolerance | +20% |

Upper Limit of EIRP for Modulation Systems

| Modulation System | Frequency Band used | Antenna power (Max.) | EIRP (max.) | |
|---|---|---|---|---|
| | | | Omnidirectional case | Directional case |
| DS, OFDM | 2400~2483.5MHz | 10mW/MHz | 12.14 dBm/MHz | 22.14 dBm/MHz |
| FH, DS-FH, FH-OFDM | 2400~2483.5MHz | 3mW/MHz | 6.91 dBm/MHz | 16.91 dBm/MHz |
| | Excluding 2427~2470.75MHz | 10mW/MHz | 12.14 dBm/MHz | 22.14 dBm/MHz |
| Other than the above | 2400~2483.5MHz | 10mW | 12.14 dBm | 22.14 dBm |

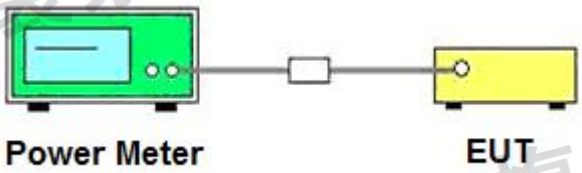
**Measuring Instruments**

Please refer to section 6 of equipments list in this report.

**Test Procedures**

a. EUT have transmitted continuous maximum power
b. Antenna Power Error is definition that actual measure antenna power tolerance +20% power range that base on manufacturer declare the conducted power density.
c. When the trace is complete, find the peak value of the power envelope and record.

**Test Setup**




**EUT Operation during Test**

The EUT was programmed to be in continuously transmitting mode.

**TEST RESULTS**

See Appendix III

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## 3.3 Occupied Frequency Bandwidth

**Standard Applicable**

Permissible value for occupied bandwidth using the FH system, a hybrid system combining DS and FH systems, or a hybrid system combining FH and OFDM systems shall be 83.5 MHz or less, while necessary bandwidth (minimum occupied bandwidth sufficient to ensure information transmission of required quality at a required transmission rate for the system used under specified conditions for a given emission type) using a system other than any of the above shall be 26 MHz or less.

**Measuring Instruments**

Please refer to section 6 of equipments list in this report.

**Test Procedures**

a. Set EUT work in test mode as described in clause 2.4.
b. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the channel under test.
RBW/VBW= 300 KHz/300KHz
Span: Wide enough to cover the complete power envelope of the signal of the EUT.
Sweep mode: Continuous sweeping.
Detector: Peak.
Trace Mode: Max Hold.
c. When the trace is complete, measure the occupied bandwidth (99% bandwidth) with spectrum analyzer's bandwidth measure function.

**Test Setup Layout**

**EUT Operation during Test**

The EUT was programmed to be in continuously transmitting mode.

**TEST RESULTS**

See Appendix IV

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## 3.4 Transmitter Spurious Emissions (conducted)

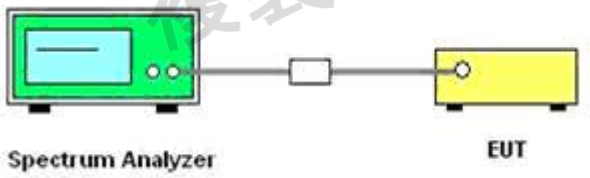
**Standard Applicable**

Permissible mean power of spurious emission of each frequency supplied to a feeder, that is, mean power of spurious emission in the 1 MHz bandwidth at frequency f other than frequency band used shall be as follows:
Item 19:
(1).30MHz-2387MHz;2.5 μ W/MHz or less
(2).2387MHz-2400MHz;25 μ W/MHz or less
(3).2483.5MHz-2496.5MHz;25 μ W/MHzor less
(4).2496.5MHz-12.5GHz;2.5 μ W/MHz or less

**Test Procedures**

a. Set EUT work in test mode as described in clause 2.4.
b. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Below 1GHz: RBW/VBW= 1MHz / 1MHz.
Above 1GHz: RBW/VBW= 1MHz / 1MHz.
Detector: Peak.
Trace Mode: Max Hold.
c. All the emissions from 30MHz to 13GHz were measured and record.

**Test Setup Layout**




**EUT Operation during Test**

The EUT was programmed to be in continuously transmitting mode.

**TEST RESULT**

See Appendix VI

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## 3.5 Secondary Radiated Emissions

**Standard Applicable**

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4nW(-54dBm) or less at a frequency below 1 GHz and 20 nW(-47dBm) or less at a frequency of 1 GHz or higher as measured using the circuit

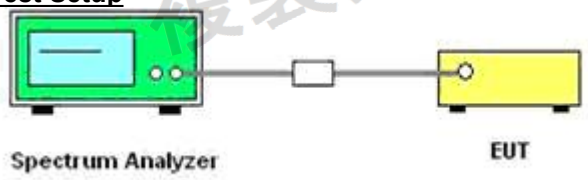
**Measuring Instruments**

Please refer to section 6 of equipments list in this report.

**Test Procedures**

a. Set EUT work in test mode as described in clause 2.4.
b. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Resolution BW: 1MHz for frequency below 1GHz and
1MHz for frequency above 1GHz
Video BW: 1MHz for frequency below 1GHz and
1MHz for frequency above 1GHz
Detector: Peak.
Trace Mode: Max Hold.
c. All the emissions from 30MHz to 13GHz were measured and record.

**Test Setup**




**EUT Operation during Test**

The EUT was programmed to be in continuously transmitting mode.

**TEST RESULT**

See Appendix VII

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## 3.6 Carrier sensing function

**Standard Applicable**

| Item | Limits |
|---|---|
| | |
| Carrier Sense | Good – EUT stop RF transmission signal after carrier inject to EUT. (On 22.79+Gr-20*log (f)[dBm] (Gr: dBi; f: MHz) or 100mV/m) |

**Measuring Instruments**

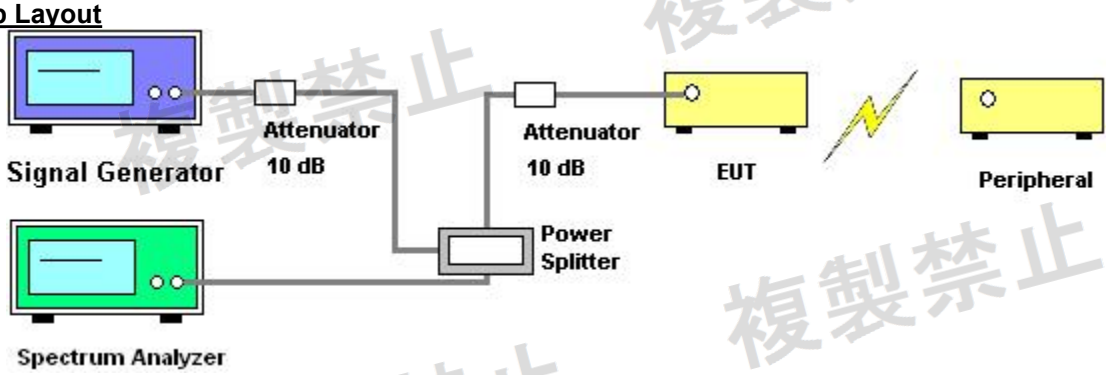
Please refer to section 6 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| RB / VB | 1 MHz |
| Span | 0 MHz |
| Sweep | Continuous |
| Detector | Peak |
| Trigger mode | Video |

**Test Procedures**

1. SSG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SSG and power level is (On 22.79+Gr-20*log(f)[dBm] (Gr: dBi; f: MHz). Then turn off the RF signal of SSG.
2. EUT have transmitted the maximum modulation signal and fixed channelize.
3. Setting of SA is following as: RB: 1MHz / VB: 1MHz / SPAN: 50MHz / AT: 10dB /Ref: 0dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak.
4. SSG RF Signal On.
5. EUT shall be stop the transmitted any signal and SSG RF Signal Off. Then EUT will be continuous transmitted signal.

**Test Setup Layout**




**EUT Operation during Test**

The EUT was programmed to be in normal transmitting mode.

**Test Result**

Not Applicable

## 3.7 Interference prevention function

**Standard Applicable**

| Item | Limits |
|---|---|
| Identification code | ≧ 48 bits |

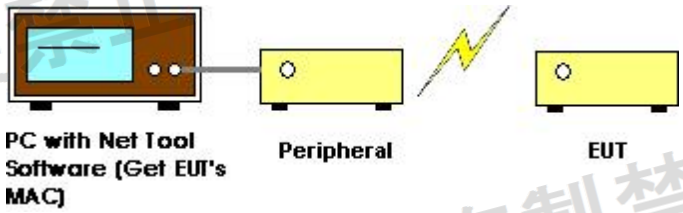
**Measuring ID Code Software**

| PC with NetTool | Setting |
|---|---|
| MAC IP List | MAC Scan |

**Test Procedures**

1. In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes from EUT. b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code: a. Transmit the predetermined identification codes from the counterpart. b. Check if communication is normal. c. Transmit the other signals than predetermined ID codes from the counterpart. d. check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

**Test Setup Layout**




**EUT Operation during Test**

The EUT was programmed to be in normal transmitting mode.

**Test Result**

MAC Address: E3:D4:A1:67:27:35
Complies.

# 4 Test Setup Photos of the EUT

RF TEST SETUP

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# 5 Photos of the EUT

See EUT Reports.

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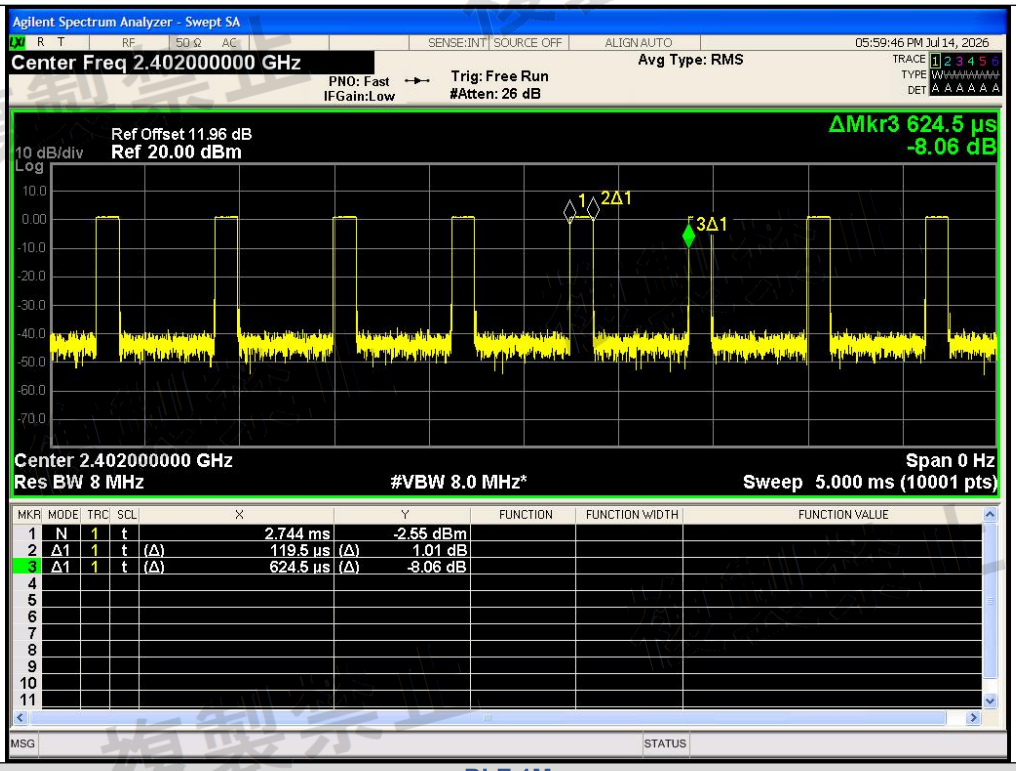
# APPENDIX I. Duty Cycle

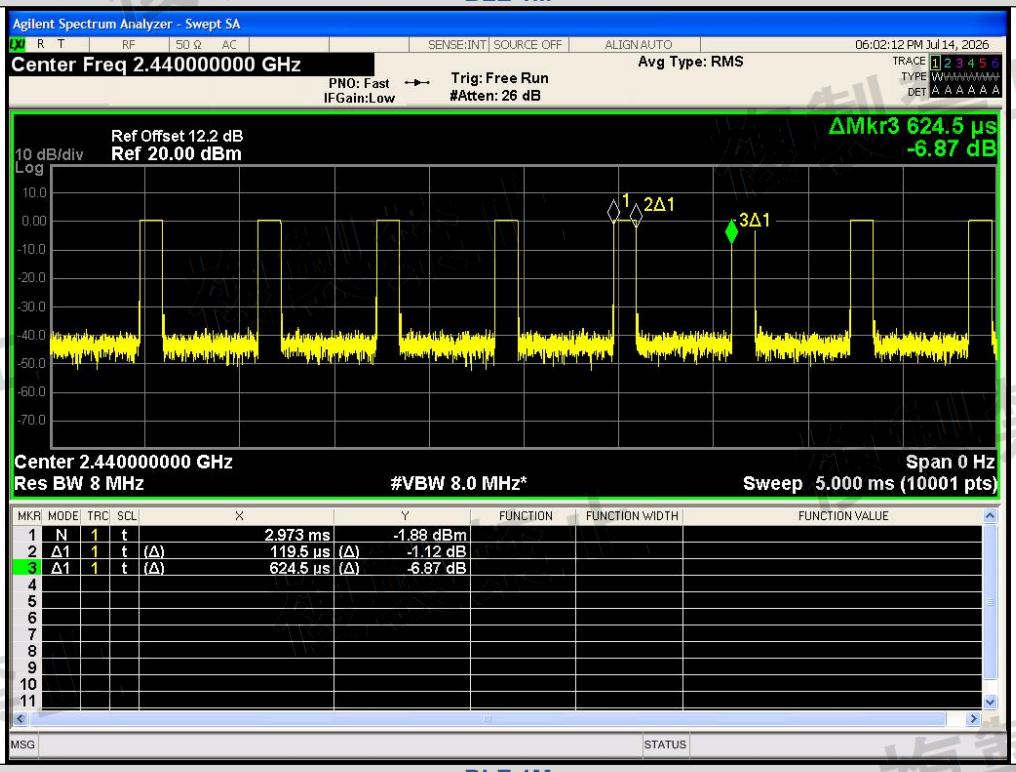
## Test Result

| Mode | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) |
|---|---|---|---|---|---|---|
| BLE 1M | 0 | 0.120 | 0.625 | 19.14 | 0.1914 | 7.1806 |
| | 19 | 0.120 | 0.625 | 19.14 | 0.1914 | 7.1806 |
| | 39 | 0.120 | 0.625 | 19.14 | 0.1914 | 7.1806 |

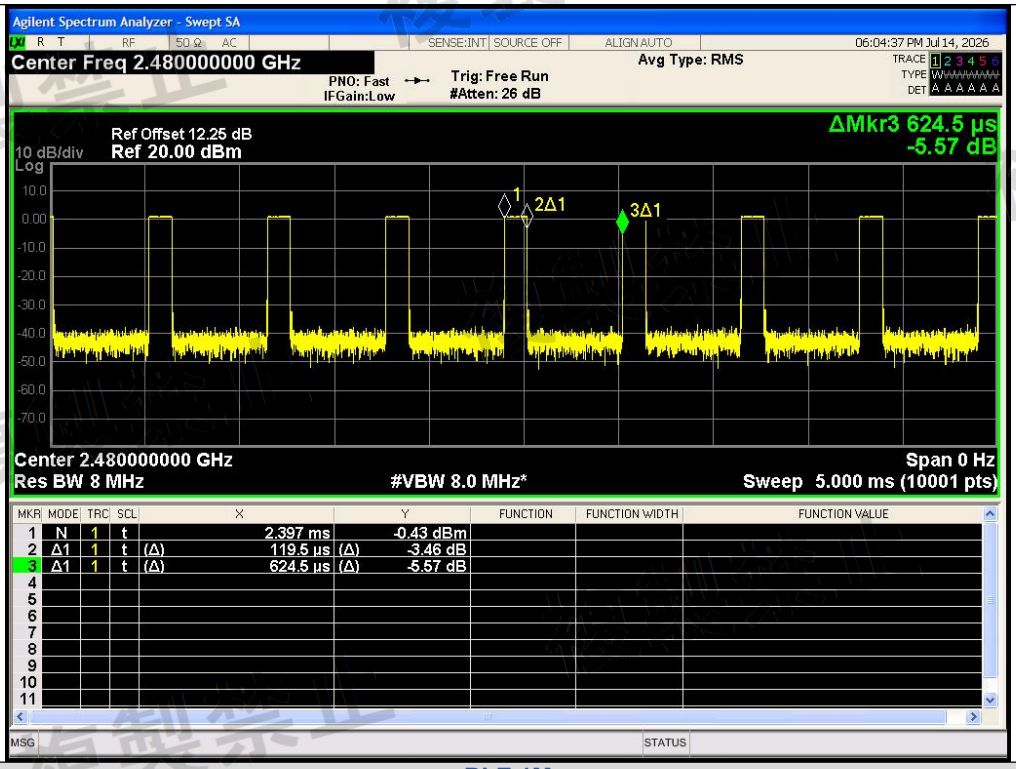
## Test Graphs




BLE 1M




BLE 1M


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.480000000 GHz
Avg Type: RMS
06:04:37 PM Jul 14, 2026
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Ref Offset 12.25 dB
10 dB/div
Ref 20.00 dBm
Log
ΔMkr3 624.5 µs
-5.57 dB
2Δ1
3Δ1
Center 2.480000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz*
Span 0 Hz
Sweep 5.000 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 t 2.397 ms -0.43 dBm
2 Δ1 1 t (Δ) 119.5 µs (Δ) -3.46 dB
3 Δ1 1 t (Δ) 624.5 µs (Δ) -5.57 dB
MSG
STATUS

BLE 1M

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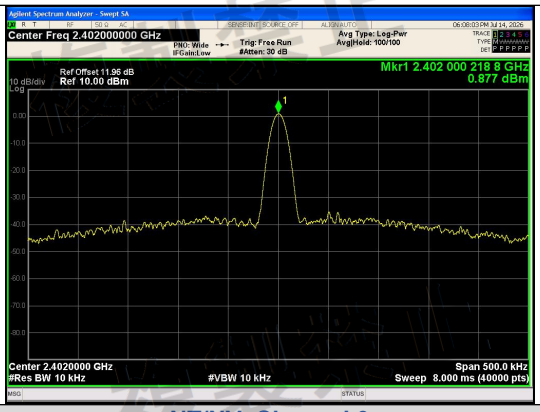
# APPENDIX II. Frequency Tolerance

## Test Result

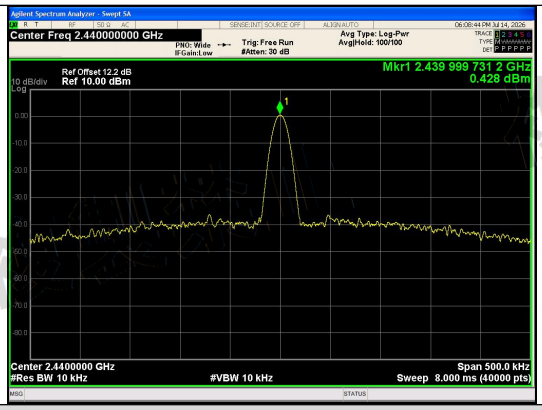
| Condition | Mode | Ch. | Center Frequency (MHz) | Measured Value (MHz) | Deviation (ppm) | Limit (ppm) | Result |
|---|---|---|---|---|---|---|---|
| NT/NV | BLE 1M(CW) | 0 | 2402 | 2402.0002188 | 0.09 | ± 50 | PASS |
| | | 19 | 2440 | 2439.9997312 | -0.11 | | PASS |
| | | 39 | 2480 | 2479.9995812 | -0.17 | | PASS |

## Test Graphs

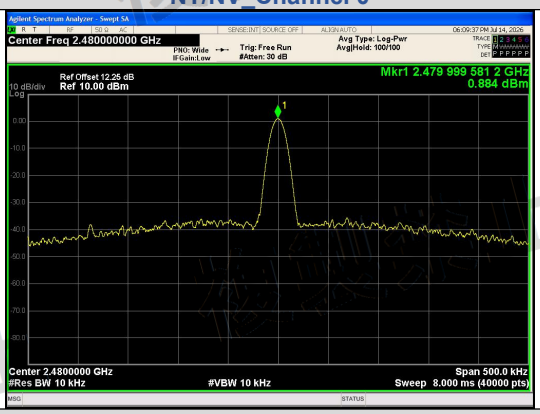
### NT/NV




NT/NV_Channel 0




NT/NV_Channel 19




NT/NV_Channel 39

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# APPENDIX III. Antenna Power

**Test Result**

| Condition | Modulation | Frequency (MHz) | Antenna power (dBm) | Antenna power density (mW) | Limit (mW) | Result |
|---|---|---|---|---|---|---|
| NT/NV | BLE 1M | 2402 | 1.039 | 1.27 | 10 | PASS |
| | | 2440 | 0.629 | 1.156 | 10 | PASS |
| | | 2480 | 1.117 | 1.293 | 10 | PASS |

| Condition | Modulation | Frequency (MHz) | Tolerance (%) | Tolerance Limit (%) | Rated power (mW) | Result |
|---|---|---|---|---|---|---|
| NT/NV | BLE 1M | 2402 | -15.3333 | +20 | 1.5 | PASS |
| | | 2440 | -22.9333 | +20 | | PASS |
| | | 2480 | -13.8 | +20 | | PASS |

EIRP

| Condition | Mode | Frequency (MHz) | EIRP(dBm) | Gain(dBi) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|
| NT/NV | BLE 1M | 2402 | 0.569 | -0.47 | 12.14 | PASS |
| | | 2440 | 0.159 | -0.47 | 12.14 | PASS |
| | | 2480 | 0.647 | -0.47 | 12.14 | PASS |

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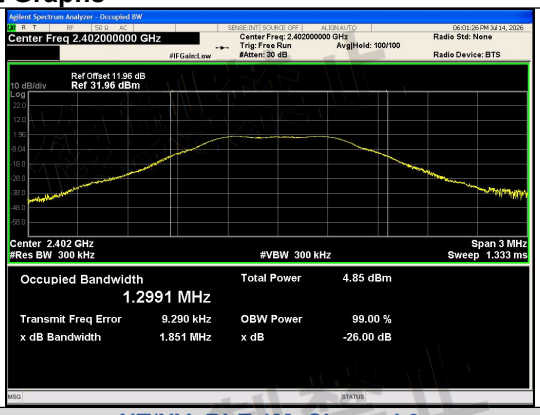
# APPENDIX IV. Occupied Bandwidth (99% BW)

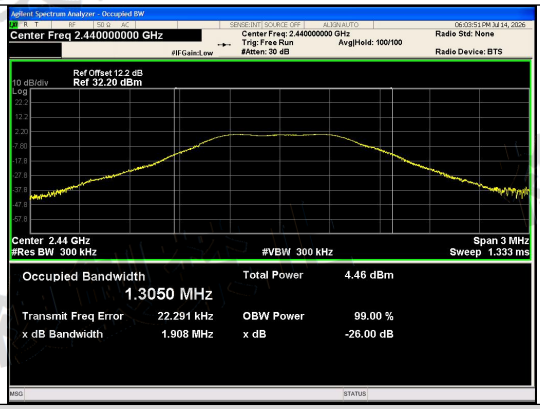
## Test Result

| Condition | Mode | Channel | Frequency (MHz) | 99% BW (MHz) | Limit (MHz) | Result |
|---|---|---|---|---|---|---|
| NT/NV | BLE 1M | 0 | 2402 | 1.2991 | 26 | PASS |
| | | 19 | 2440 | 1.3050 | | PASS |
| | | 39 | 2480 | 1.3409 | | PASS |

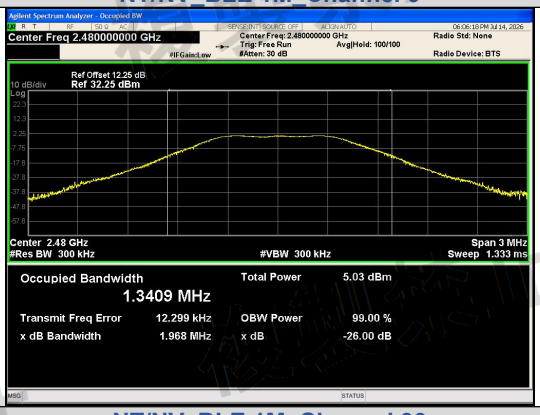
## Test Graphs




NT/NV_BLE 1M_Channel 0




NT/NV_BLE 1M_Channel 19




NT/NV_BLE 1M_Channel 39

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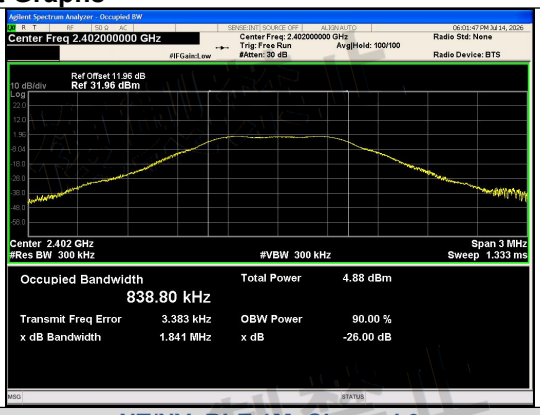
# APPENDIX V. Spreading Bandwidth (90% BW)

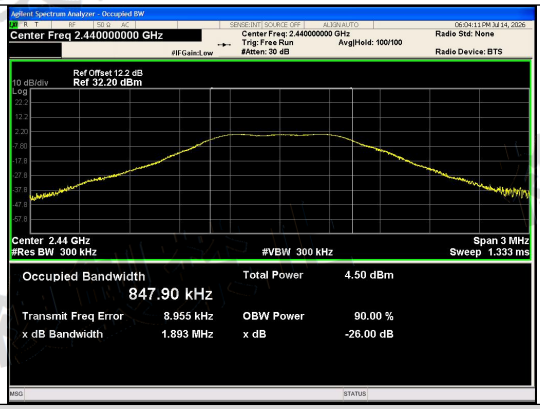
## Test Result

| Condition | Mode | Channel | Frequency (MHz) | 90% SBW (MHz) | Result |
|---|---|---|---|---|---|
| NT/NV | BLE 1M | 0 | 2402 | 0.83880 | PASS |
| | | 19 | 2440 | 0.84790 | PASS |
| | | 39 | 2480 | 0.86378 | PASS |

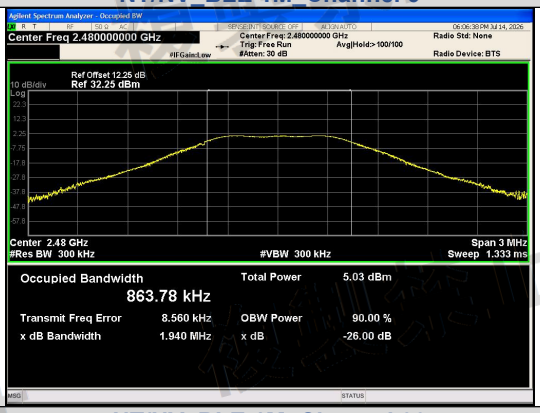
## Test Graphs




NT/NV_BLE 1M_Channel 0




NT/NV_BLE 1M_Channel 19




NT/NV_BLE 1M_Channel 39

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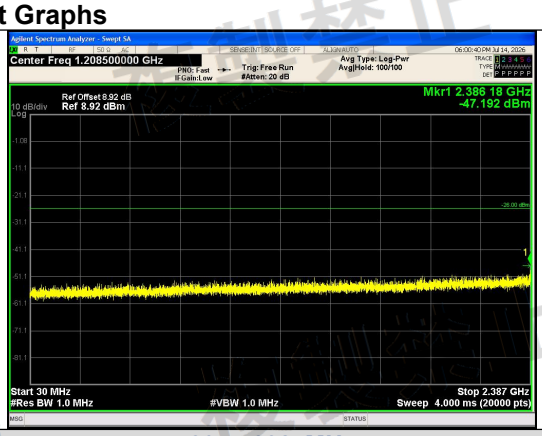
# APPENDIX VI. Spurious Emissions

**Test Result**

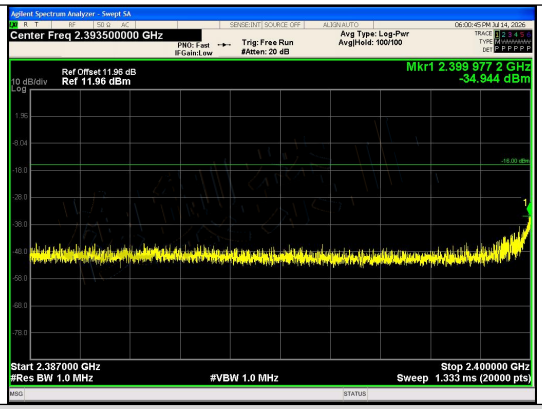
**BLE 1M**

| Condition | Frequency Range | Lowest Channel | | | Middle Channel | | | Highest Channel | | | Limit (μW/MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Peak (Mhz) | Measured Value (dbm) | Measured Value (μW/MHz) | Peak (Mhz) | Measured Value (dbm) | Measured Value (μW/MHz) | Peak (Mhz) | Measured Value (dbm) | Measured Value (μW/MHz) | |
| NT/NV | 30 to 2387 | 2386.175 | -47.192 | 0.019 | 2359.775 | -49.496 | 0.011 | 2384.171 | -49.802 | 0.01 | 2.5 |
| NT/NV | 2387 to 2400 | 2399.977 | -34.944 | 0.32 | 2391.451 | -46.641 | 0.022 | 2396.113 | -46.692 | 0.021 | 25 |
| NT/NV | 2483.5 to 2496.5 | 2487.793 | -47.030 | 0.02 | 2488.081 | -45.383 | 0.029 | 2483.624 | -44.082 | 0.039 | 25 |
| NT/NV | 2496.5 to 12500 | 9608.844 | -38.724 | 0.134 | 2559.525 | -29.414 | 1.144 | 9920.469 | -40.532 | 0.088 | 2.5 |
| NT/NV | | | | | | | | | | | None |
| Result:PASS | | | | | | | | | | | |

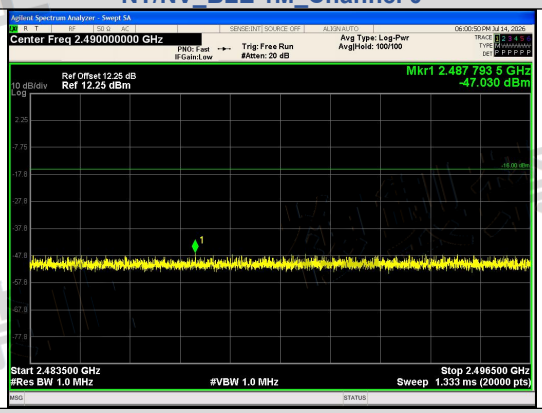
**Test Graphs**



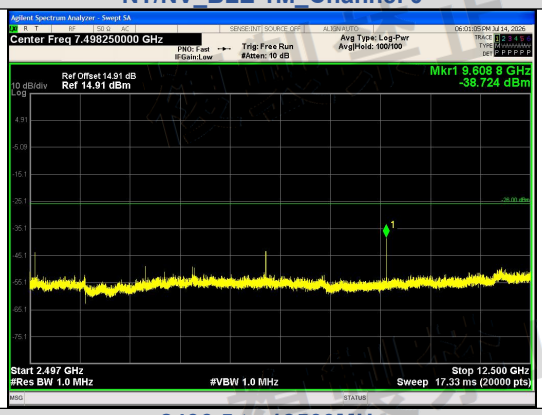

30 to 2387MHz
NT/NV_BLE 1M_Channel 0




2387 to 2400MHz
NT/NV_BLE 1M_Channel 0




2483.5 to 2496.5MHz
NT/NV_BLE 1M_Channel 0




2496.5 to 12500MHz
NT/NV_BLE 1M_Channel 0

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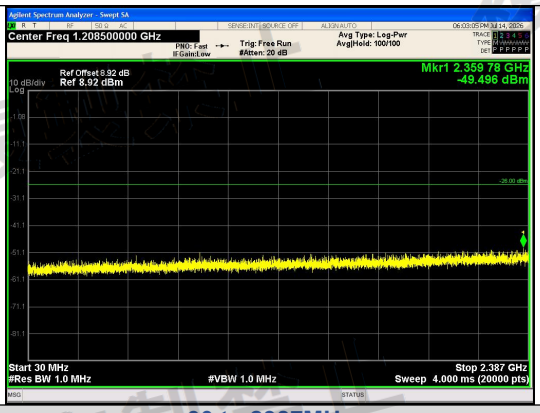
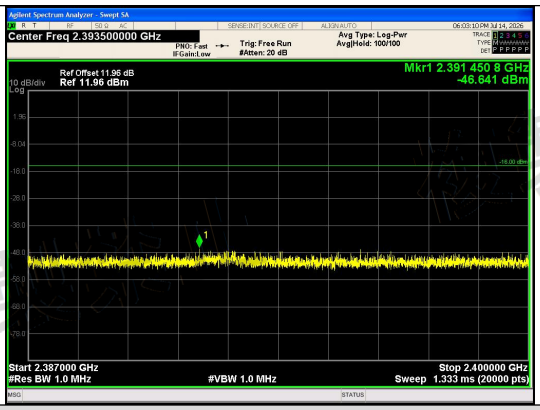
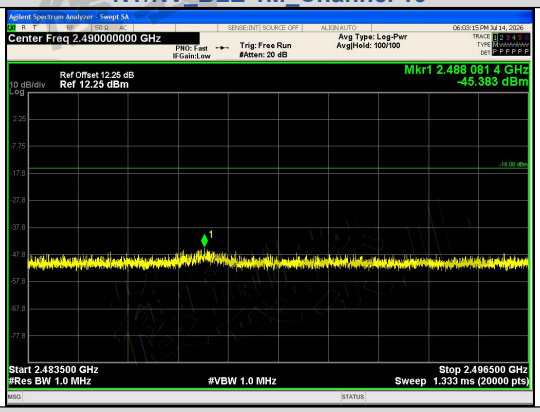


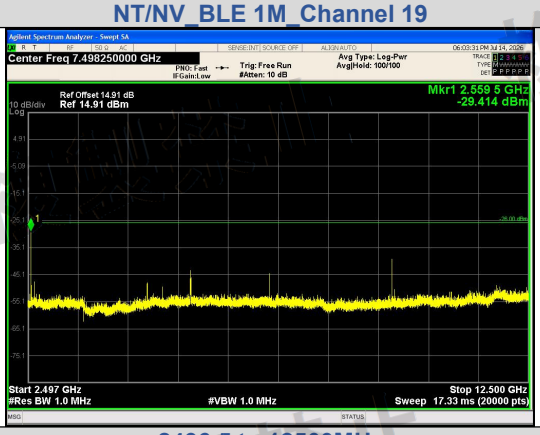

30 to 2387MHz
NT/NV_BLE 1M_Channel 19




2387 to 2400MHz
NT/NV_BLE 1M_Channel 19

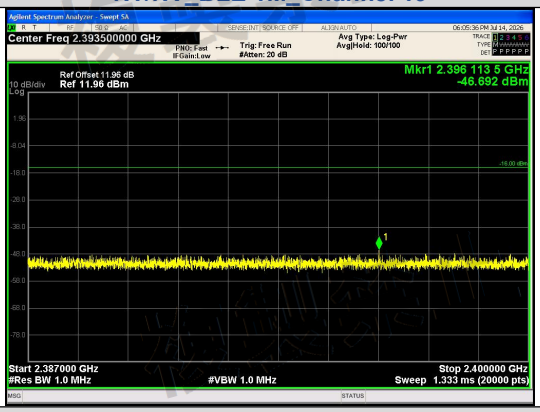



2483.5 to 2496.5MHz
NT/NV_BLE 1M_Channel 19

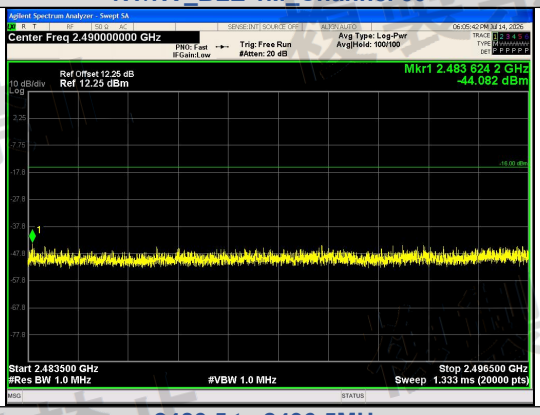



2496.5 to 12500MHz
NT/NV_BLE 1M_Channel 19

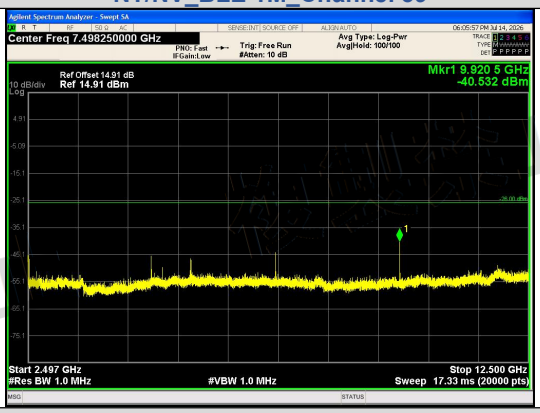
30 to 2387MHz
NT/NV_BLE 1M_Channel 39




2387 to 2400MHz
NT/NV_BLE 1M_Channel 39




2483.5 to 2496.5MHz
NT/NV_BLE 1M_Channel 39




2496.5 to 12500MHz
NT/NV_BLE 1M_Channel 39

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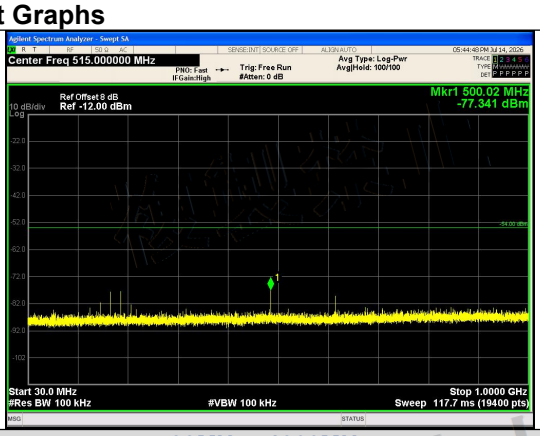
# APPENDIX VII. Spurious Emissions of Receiver

**Test Result**

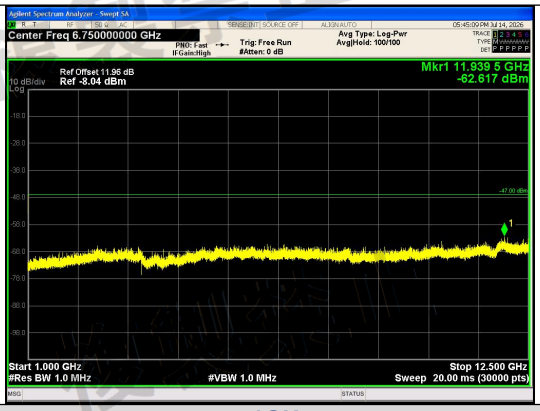
**BLE 1M**

| Condition | Channel | Frequency Range (MHz) | Peak (MHz) | Measured Value (dBm) | Limit | | Result |
|---|---|---|---|---|---|---|---|
| | | | | | dBm | nW | |
| NT/NV | 0 | 30 to 1000 | 500.024 | -77.341 | -54 | ≤4 | PASS |
| | | 1000 to 12500 | 11939.548 | -62.617 | -47 | ≤20 | PASS |
| | 19 | 30 to 1000 | 190.008 | -77.400 | -54 | ≤4 | PASS |
| | | 1000 to 12500 | 11886.263 | -62.217 | -47 | ≤20 | PASS |
| | 39 | 30 to 1000 | 210.059 | -77.351 | -54 | ≤4 | PASS |
| | | 1000 to 12500 | 11910.797 | -62.377 | -47 | ≤20 | PASS |

**Test Graphs**

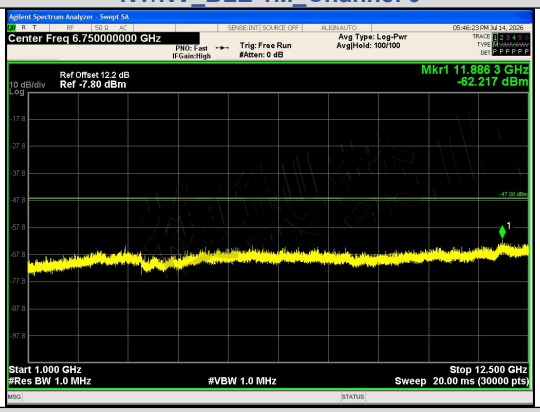



30MHz - 1000MHz
NT/NV_BLE 1M_Channel 0

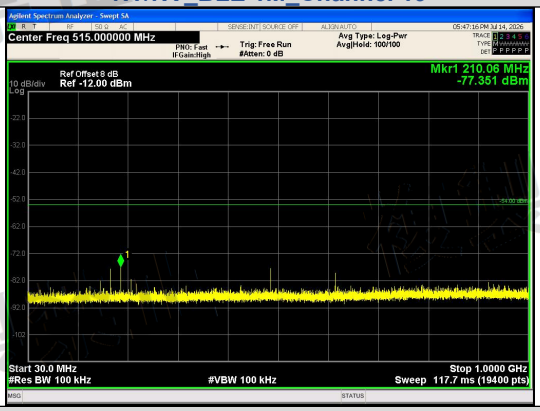



> 1GHz
NT/NV_BLE 1M_Channel 0

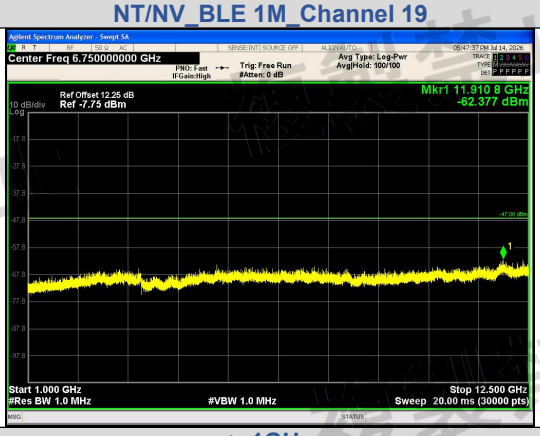
30MHz - 1000MHz
NT/NV_BLE 1M_Channel 19




> 1GHz
NT/NV_BLE 1M_Channel 19




30MHz - 1000MHz
NT/NV_BLE 1M_Channel 39




> 1GHz
NT/NV_BLE 1M_Channel 39

********** End of Report **********