

**47 CFR PART 15 SUBPART C TEST REPORT**

**for**

**UWB Tag - Asset Type**

**Model No.: GT-440**

**FCC ID: 2A6S5-GT440**

**of**

Applicant: GIPS Technology Co., Ltd (Su, Li-Tse)

Address: Rm. 2, 6 F., No. 395, Sec. 1, Linsen Rd., East Dist.,  
Tainan City 701024, Taiwan (R.O.C.)

Tested and Prepared

by

**Worldwide Testing Services (Taiwan) Co., Ltd.**

**FCC Registration No.: TW1072, TW1140, TW1146, TW1477, TW0037**

**Industry Canada filed test laboratory Reg. No.: 20037, 31634**



**Report No.: W6M22405-23454-C-1**



Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

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# **Worldwide Testing Services(Taiwan) Co., Ltd.**

Registration number: W6M22405-23454-C-1

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## **1 General Information**

### **1.1 Notes**

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

Laboratory disclaimer-

1. The test results of this test report relate exclusively to the item tested as specified in 1.5.
2. The test report may only be reproduced or published in full.
3. Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.
4. Antenna gain is provided by applicant and laboratory issue relevant data and results.

### **Tester:**

July 11, 2024

Sora Kuo

Date

WTS-Lab.

Name

Signature

### **Technical responsibility for area of testing:**

July 11, 2024

Kevin Wang

Date

WTS

Name

Signature



# **Worldwide Testing Services(Taiwan) Co., Ltd.**

Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

## **1.2 Testing laboratory**

### **1.2.1 Location**

10m OATS

No.5-1, Lishui, Shuang Sing Village, Wanli Dist.,  
New Taipei City 207, Taiwan (R.O.C.)

Xizhi Lab

No. 99, Sec. 1, Balian Rd., Xizhi Dist.,  
New Taipei City 221032, Taiwan (R.O.C.)

Worldwide Testing Services (Taiwan) Co., Ltd.  
6F., No. 58, Ln. 188, Ruiguang Rd., Neihu Dist.,  
Taipei City 114, Taiwan (R.O.C.)  
Tel: 886-2-6606-8877

### **1.2.2 Details of accreditation status**

Accredited testing laboratory

FCC filed test laboratory Reg. No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634

**Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd. :**

Name: ./.  
Accredited no.: ./.  
Street: ./.  
Town: ./.  
Country: ./.

## **1.3 Application details**

### **Approval holder**

Name: GIPS Technology Co., Ltd (Su, Li-Tse)  
Street: Rm. 2, 6 F., No. 395, Sec. 1, Linsen Rd., East Dist.,  
Town: Tainan City 701024,  
Country: Taiwan (R.O.C.)

### **Manufacturer: (if applicable)**

Name: ./.  
Street: ./.  
Town: ./.  
Country: ./.



Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

## **Application details**

Date of receipt of test item: May 21, 2024

Date of test: from May 22, 2024 to June 04, 2024

## **1.4 General information of Test item**

Type of test item: UWB Tag - Asset Type

Model no.: GT-440

Multi-listing model no.: ./.

Brand name: GIPS

Power supply: Battery 3Vd.c. (CR2)

### **Technical data**

| Mode | Channel          | Conducted Power (dBm) |
|------|------------------|-----------------------|
| BLE  | Ch 0 : 2402 MHz  | 2.03                  |
|      | Ch 19 : 2440 MHz | 1.52                  |
|      | Ch 39 : 2480 MHz | 1.44                  |

Type of antenna: Chip antenna

Antenna gain: 3.77 dBi

Operation modes: Duplex

Modulation type: GFSK

Sample no.: #01

## **1.5 Duty cycle and factor**

The duty factor is computed as  $[10 \log (1 / D)]$ , where D is the duty cycle.

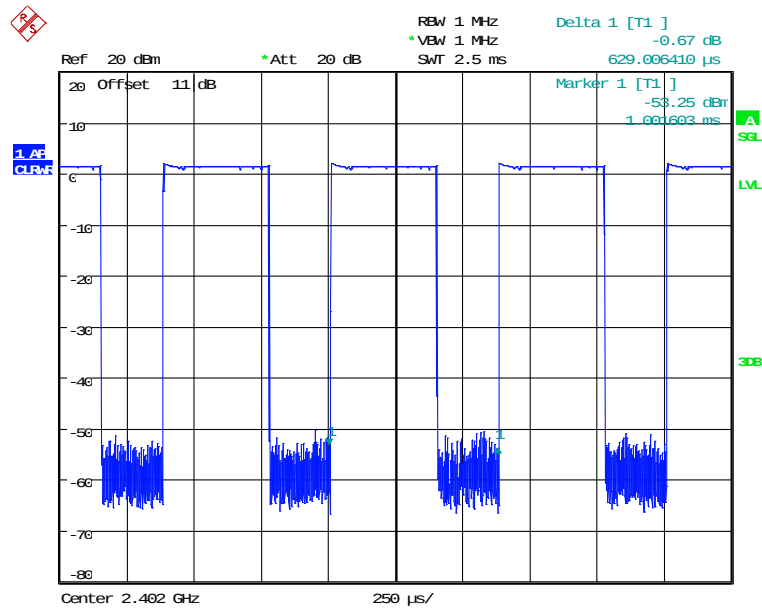
| Mode   | $T_{on}$ (ms) | $T_{on}+T_{off}$ (ms) | Duty cycle (%) | $1/T - VBW$ (kHz) |
|--------|---------------|-----------------------|----------------|-------------------|
| BLE 1M | 0.409         | 0.629                 | 65.02%         | 2.44              |



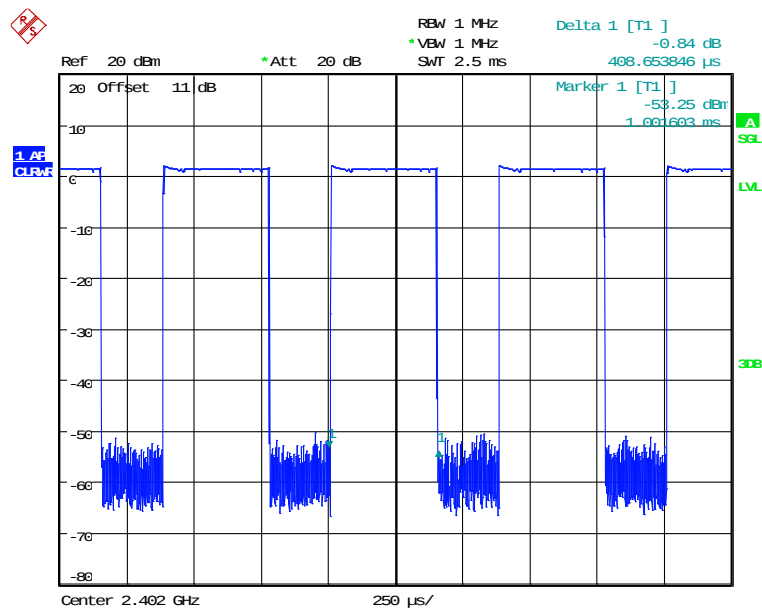
Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

Duty cycle plot



DUTY BLE 1M  
Date: 31.MAY.2024 16:19:55



DUTY BLE 1M  
Date: 31.MAY.2024 16:20:01

## 1.6 Test standards

47 CFR PART 15 SUBPART C § 15.247 (2023-10)



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## **2 Test configuration**

### **2.1 Test environment**

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Extreme conditions parameters: ./.

### **2.2 Measurement uncertainty**

| Test item Name                                                                                                                                                                       | Uncertainty                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Estimation Result of Uncertainty of Conducted Emission<br>(Power Line Conducted Emission)                                                                                            | Expanded Uncertainty :<br>AMN : 0.94 dB<br>Voltage probe : 0.96 dB<br>Include Pulse Limiter : 1.5 dB                   |
| Estimation Result of Uncertainty of Radiated Emission(3M-966A)<br>(Transmitter Radiated Emissions in Restricted Bands, Spurious Emissions (tx), Radiated Emission from Digital Part) | Expanded Uncertainty :<br>0.009-30 MHz : 1.88 dB<br>30-1000 MHz : 3.20 dB<br>1-18 GHz : 3.56 dB<br>18-40 GHz : 2.94 dB |
| Estimation Result of Uncertainty of Bandwidth Measurement<br>(Minimum 6 dB Bandwidth)                                                                                                | Expanded Uncertainty : 0.45 kHz                                                                                        |
| Estimation Result of Uncertainty of Conducted Output Power<br>Measurement (Peak Output Power (transmitter))                                                                          | Expanded Uncertainty : 1.64 dB                                                                                         |
| Estimation Result of Uncertainty of Power Density Measurement<br>(Peak Power Spectral Density)                                                                                       | Expanded Uncertainty : 1.64 dB                                                                                         |
| Estimation Result of Uncertainty of Band Edge Measurement<br>(Emissions in nonrestricted frequency bands)                                                                            | Expanded Uncertainty : 0.67 dBc                                                                                        |

The decision rule is: Measurement uncertainty is not included in the calculation of test results.



# **Worldwide Testing Services(Taiwan) Co., Ltd.**

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## **2.3 Test Equipment List**

Max Output Power, 6DB Bandwidth, Band edge, Power Spectral Density, Duty

| Code No.        | Test equipment    | Mode No.                    | Serial No. | Brand        | Cal. Date | Next Cal. Date |
|-----------------|-------------------|-----------------------------|------------|--------------|-----------|----------------|
| ETSTW-RE 050    | Attenuator 10dB   | 50HF-010-1                  | None       | JFW          | 2024/2/16 | 2025/2/15      |
| ETSTW-RE 055    | SPECTRUM ANALYZER | FSU 26                      | 200074     | R&S          | 2024/3/7  | 2025/3/6       |
| ETSTW-RE 099    | DC Block          | 50DB-007-1                  | None       | JFW          | 2024/2/16 | 2025/2/15      |
| ETSTW-Cable 030 | Microwave Cable   | SUCOFLEX 104<br>(S_Cable 9) | 279067     | HUBER+SUHNER | 2024/2/16 | 2025/2/15      |

Spurious Emission & Band edge (966A)

| Code No.        | Test equipment                      | Mode No.                  | Serial No.     | Brand               | Cal. Date                             | Next Cal. Date |
|-----------------|-------------------------------------|---------------------------|----------------|---------------------|---------------------------------------|----------------|
| ETSTW-RE 153    | Signal Analyzer                     | FSV40                     | 101929         | R&S                 | 2023/9/20                             | 2024/9/19      |
| ETSTW-RE 154    | EMI Test Receiver                   | ESR3                      | 102829         | R&S                 | 2024/2/16                             | 2025/4/9       |
| ETSTW-RE 160    | Amplifier Module                    | CHC 3                     | None           | WTS                 | 2023/7/14                             | 2024/7/13      |
| ETSTW-RE 177    | TRILOG<br>Broadband Antenna         | VULB 9168<br>&EMCI-N-6-06 | 01380&AT-06007 | SCHWARZBECK<br>&EMC | 2024/3/4                              | 2025/3/3       |
| ETSTW-RE 178    | Double Ridged<br>Guide Horn Antenna | DRH18-E                   | 210505A18ES    | RFSPIN              | 2024/2/29                             | 2025/2/28      |
| ETSTW-Cable 077 | SMA type cable (10m)                | EMC104-SM-SM-<br>10000    | 230511         | EMCI                | 2023/7/14                             | 2024/7/13      |
| ETSTW-Cable 084 | SMA type cable (1m)                 | SF104-11SMA-1000          | 816477/4       | HONOVA              | 2023/7/14                             | 2024/7/13      |
| ETSTW-Cable 089 | SMA type cable (2m)                 | SF104-11SMA-2000          | SN 811889/4    | HUBER+SUHNER        | 2023/7/14                             | 2024/7/13      |
| WTSTW-SW 002    | EMI TEST<br>SOFTWARE                | EZ_EMC                    | None           | Farad               | Version ETS-03A1<br>Version EMEC-3A1+ |                |



# **Worldwide Testing Services(Taiwan) Co., Ltd.**

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FCC ID: 2A6S5-GT440

## **3 Test results (enclosure)**

| TEST CASE                                              | Para. Number                 | Required                            | Test passed                         | Test failed              |
|--------------------------------------------------------|------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Peak Output Power                                      | 15.247(b)(3)                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spurious Emissions radiated –<br>Transmitter operating | 15.247(d),<br>15.205, 15.209 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Emissions in nonrestricted frequency bands             | 15.247(d)                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Minimum 6 dB Bandwidth                                 | 15.247(a)(2)                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Peak Power Spectral Density                            | 15.247(e)                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Power Line Conducted Emission                          | 15.207(a)                    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |

The following is intentionally left blank.



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## **3.1 Peak Output Power (transmitter)**

### **3.1.1 Applicable Standard**

FCC Rule: 15.247(b)(3)

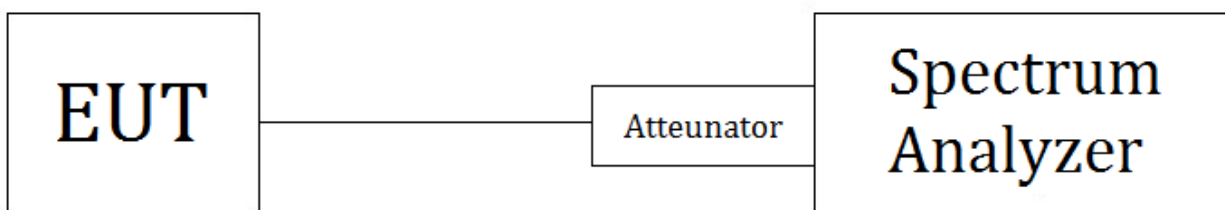
For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

### **3.1.2 Test procedure**

Following Subclause 11.9.1.1 of ANSI C63.10

1. Set the RBW  $\geq$  DTS bandwidth , VBW  $\geq$   $[3 \times \text{RBW}]$  , span  $\geq$   $[3 \times \text{RBW}]$ .
2. Sweep time = auto couple , Detector = peak , Trace mode = max hold.
3. Allow trace to fully stabilize and determine the peak amplitude level.

### **3.1.3 Test Setup**



### **3.1.4 Limits**

| Frequency<br>(MHz) | Power<br>(dBm) |
|--------------------|----------------|
| 902 - 928          | 30             |
| 2400 – 2483.5      | 30             |
| 5725 – 5850        | 30             |

In case of employing transmitter antennas having antenna gain  $> 6$  dBi and using fixed point-to point operation consider §15.247 (b)(4)



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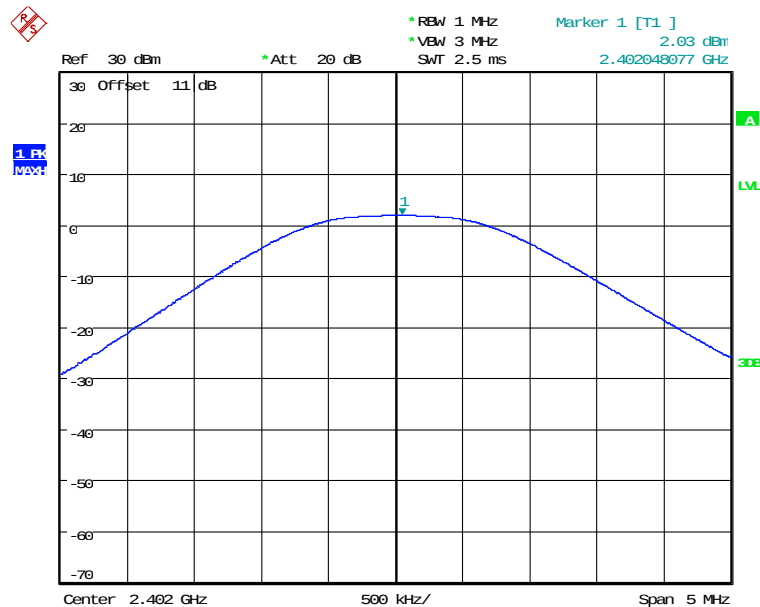
FCC ID: 2A6S5-GT440

## 3.1.5 Test Environmental Conditions

Test date: 2024-05-31 Temperature: 33.0°C Humidity: 57.1% Tester: Sora

## 3.1.6 Test results

| Band   | Mode   | Channel          | Power (dBm) | Limit (dBm) |
|--------|--------|------------------|-------------|-------------|
| 2.4GHz | BLE 1M | Ch 0 : 2402 MHz  | 2.03        | 30          |
|        |        | Ch 19 : 2440 MHz | 1.52        | 30          |
|        |        | Ch 39 : 2480 MHz | 1.44        | 30          |

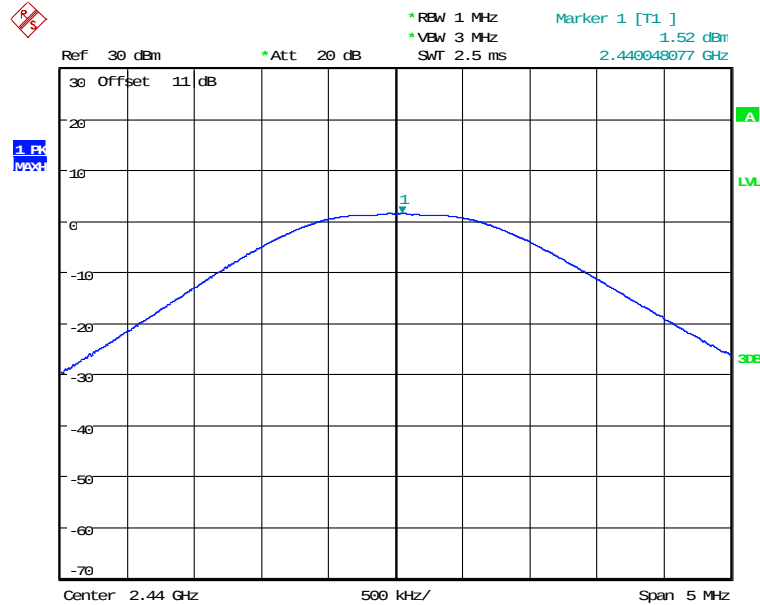


MAX OUTPUT POWER BLE 1M CH00

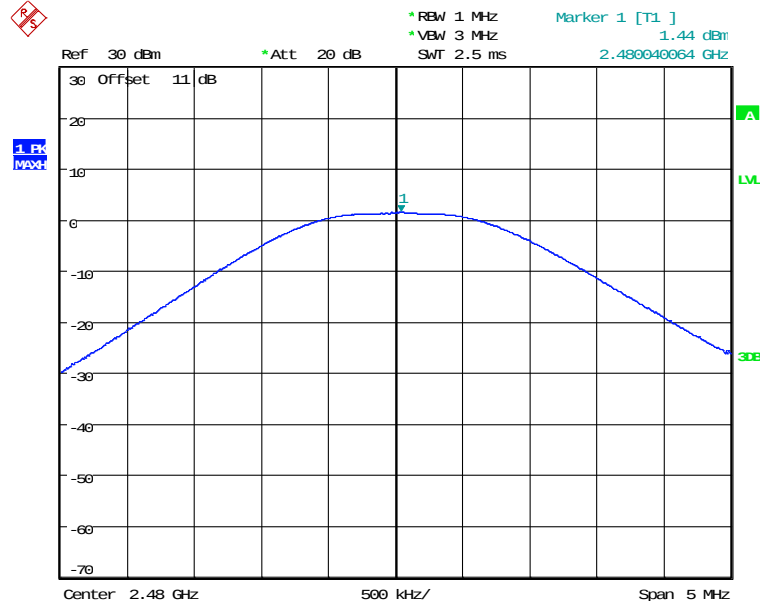
Date: 31.MAY.2024 16:18:21



Registration number: W6M22405-23454-C-1  
FCC ID: 2A6S5-GT440



MAX OUTPUT POWER BLE 1M CH19  
Date: 31.MAY.2024 16:20:21



MAX OUTPUT POWER BLE 1M CH39  
Date: 31.MAY.2024 16:21:01

Test equipment used: Please see test equipment utilized (RF Conducted).



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## **3.2 Spurious Emissions radiated – Transmitter operating**

### **3.2.1 Applicable Standard**

FCC Rules: 15.247 (d), 15.205, 15.209

Radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a).

### **3.2.2 Test procedure**

1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. Below 1GHz measurement the EUT is placed on turntable which is 0.8m above ground plane. And above 1GHz measurement EUT was placed on low permittivity and low tangent turn table which is 1.5m above ground plane.
2. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m height to find out the highest emissions.
3. Receiver or Spectrum analyzer configuration
  - (a)120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
  - (b)RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
  - (c)RBW=1MHz, VBW=10Hz(1/T) and Peak detector is for average measured value of radiated emission above 1GHz.

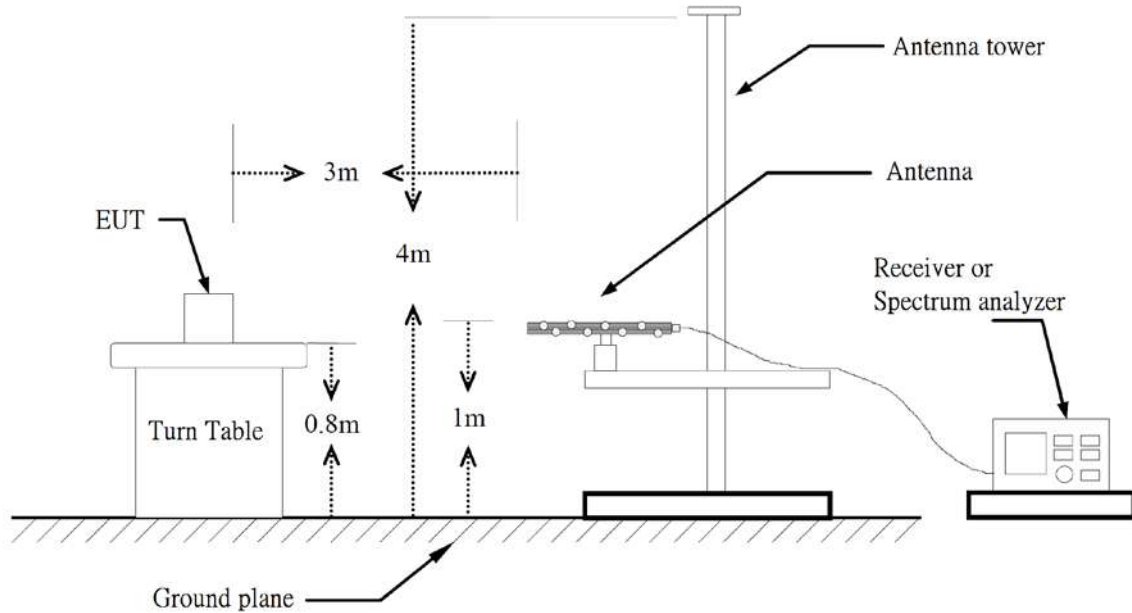
### **3.2.3 Limits**

| Frequency<br>(MHz) | Field strength<br>(uV/m) | Measurement distance<br>(meters) |
|--------------------|--------------------------|----------------------------------|
| 0.009-0.490        | 2400/F(kHz)              | 300                              |
| 0.490-1.705        | 24000/F(kHz)             | 30                               |
| 1.705-30.0         | 30                       | 30                               |
| 30-88              | 100                      | 3                                |
| 88-216             | 150                      | 3                                |
| 216-960            | 200                      | 3                                |
| Above 960          | 500                      | 3                                |

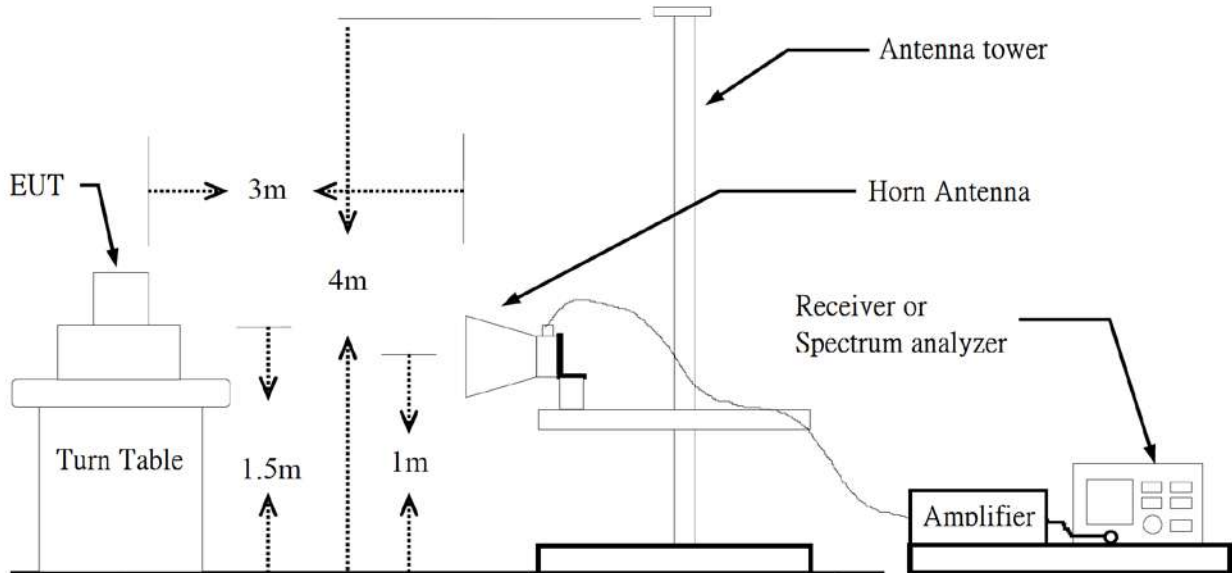
Registration number: W6M22405-23454-C-1

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## 3.2.4 Test Setup



**Below 1 GHz**



**Above 1 GHz**

## 3.2.5 Test results (With Environmental Conditions)

Explanation: See attached diagrams in Appendix.



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## **3.3 Emissions in nonrestricted frequency bands**

### **3.3.1 Applicable Standard**

FCC Rules: 15.247(d)

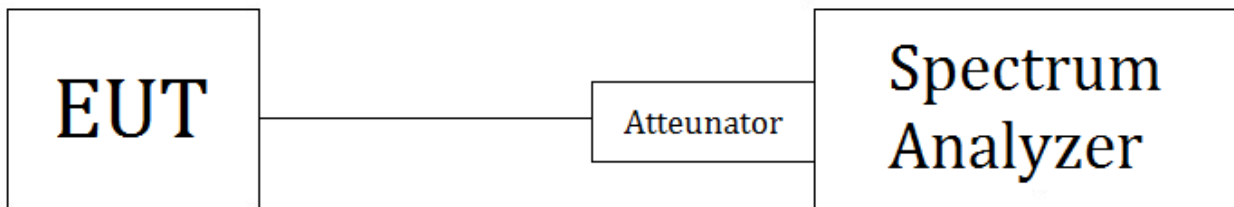
In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required.

In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

### **3.3.2 Test procedure**

1. Set RBW = 100 kHz , VBW  $\geq [3 \times \text{RBW}]$
2. Set Detector = peak , Sweep time = auto , Trace mode = max hold, and allow sweep to continue until the trace stabilizes
3. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

### **3.3.3 Test setup**



### **3.3.4 Limits**

See 3.3.1

### **3.3.5 Test Environmental Conditions**

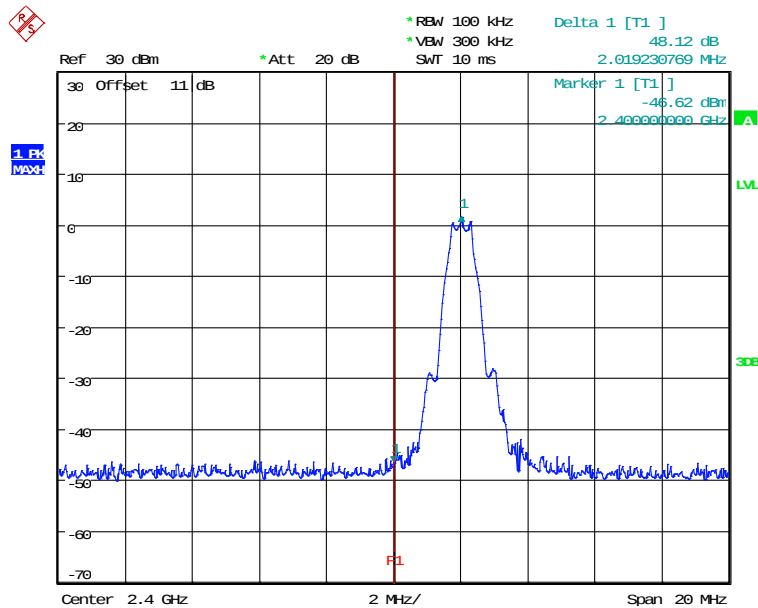
Test date: 2024-05-31 Temperature: 33.0°C Humidity: 57.1% Tester: Sora



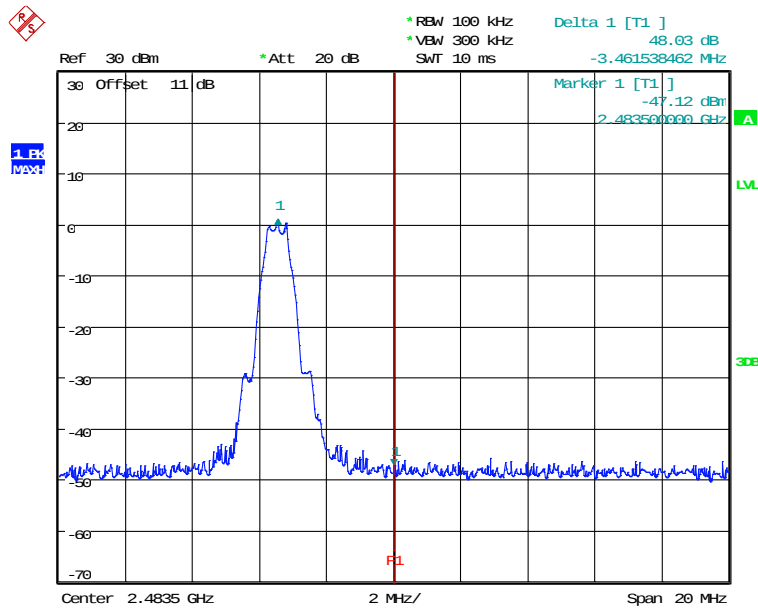
Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

## 3.3.6 Test results



BANDEGE BLE 1M CH00  
Date: 31.MAY.2024 16:18:51



BANDEGE BLE 1M CH39  
Date: 31.MAY.2024 16:21:29

Test equipment used: Please see test equipment utilized (RF Conducted).



Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

## **3.4 Minimum 6 dB Bandwidth**

### **3.4.1 Applicable Standard**

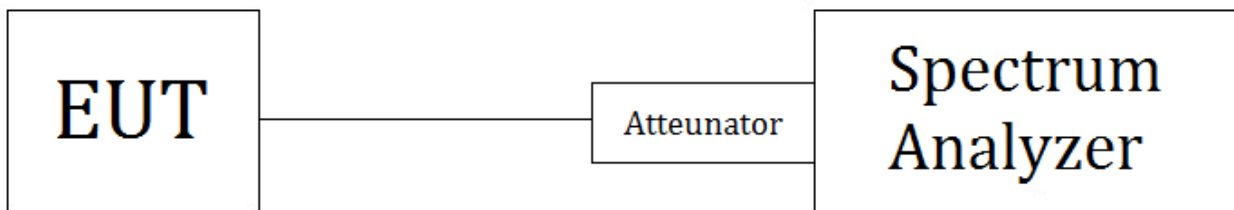
FCC Rules: 15.247(a)(2)

Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

### **3.4.2 Test procedure**

1. Set RBW = 100 kHz , Set the VBW  $\geq [3 \times \text{RBW}]$ .
2. Set Detector = peak , Trace mode = max hold , Sweep = auto couple and allow the trace to stabilize.
3. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### **3.4.3 Test setup**



### **3.4.4 Limits**

| Frequency Range (MHz) | Limits (kHz) |
|-----------------------|--------------|
| 902-928               | $\geq 500$   |
| 2400-2483.5           |              |
| 5725-5850             |              |

### **3.4.5 Test Environmental Conditions**

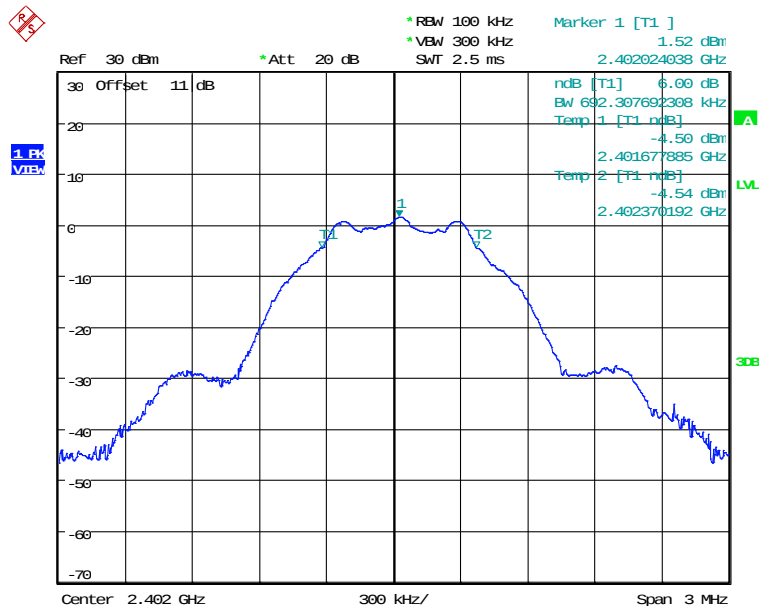
Test date: 2024-05-31 Temperature: 33.0°C Humidity: 57.1% Tester: Sora



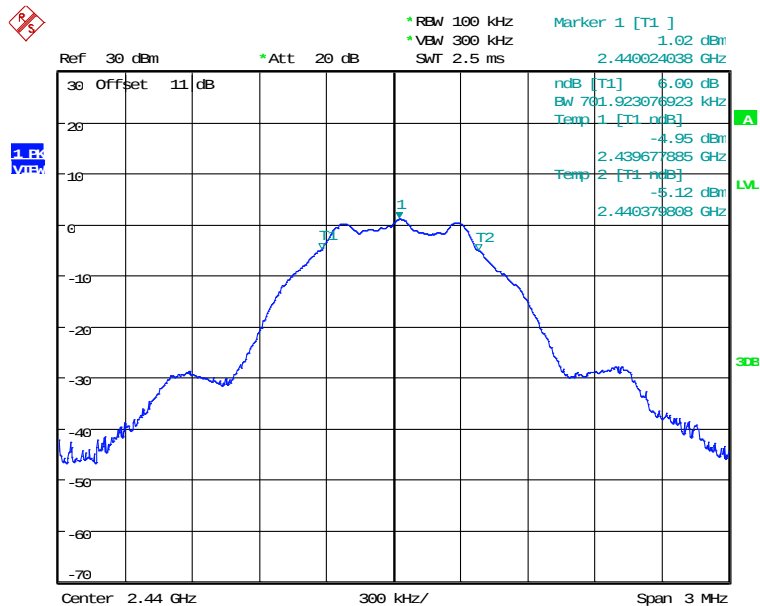
Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

## 3.4.6 Test results



6DB BANDWIDTH BLE 1M CH00  
Date: 31.MAY.2024 16:18:31

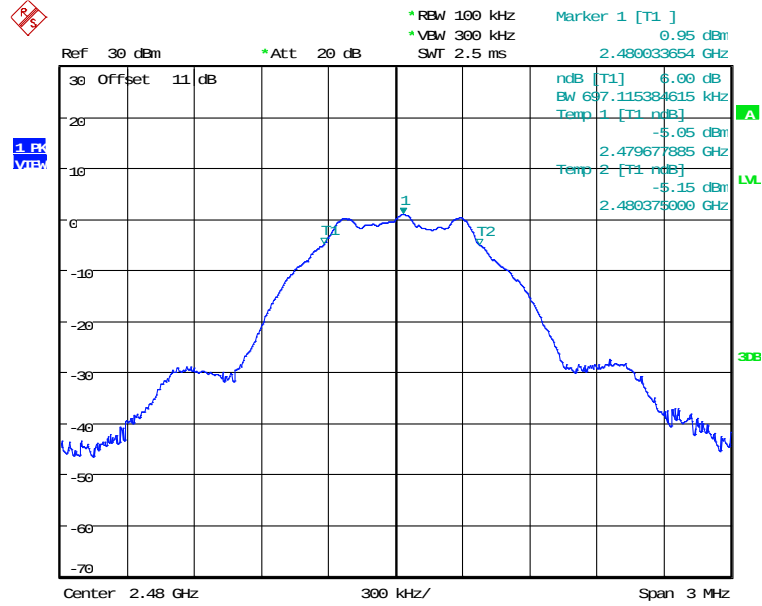


6DB BANDWIDTH BLE 1M CH19  
Date: 31.MAY.2024 16:20:31



Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440



6DB BANDWIDTH BLE 1M CH39  
Date: 31.MAY.2024 16:21:11

Test equipment used: Please see test equipment utilized (RF Conducted).



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## **3.5 Peak Power Spectral Density**

### **3.5.1 Applicable Standard**

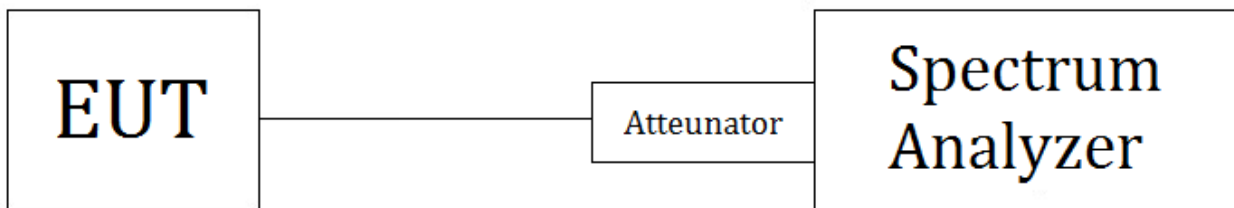
FCC Rules: 15.247(e)

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

### **3.5.2 Test procedure**

1. Set the RBW to  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ , the VBW  $\geq [3 \times \text{RBW}]$ .
2. Set Detector = peak, Sweep time = auto couple, Trace mode = max hold and allow trace to fully stabilize
3. Use the peak marker function to determine the maximum amplitude level within the RBW.

### **3.5.3 Test setup**



### **3.5.4 Limits**

| Frequency Range (MHz) | Limits (dBm/3KHz) |
|-----------------------|-------------------|
| 902-928               | 8                 |
| 2400-2483.5           |                   |
| 5725-5850             |                   |

### **3.5.5 Test Environmental Conditions**

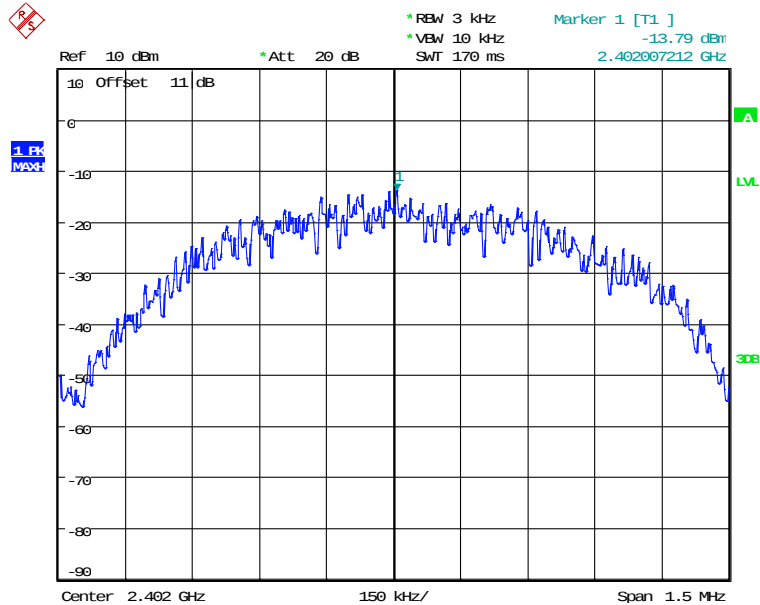
Test date: 2024-05-31 Temperature: 33.0°C Humidity: 57.1% Tester: Sora



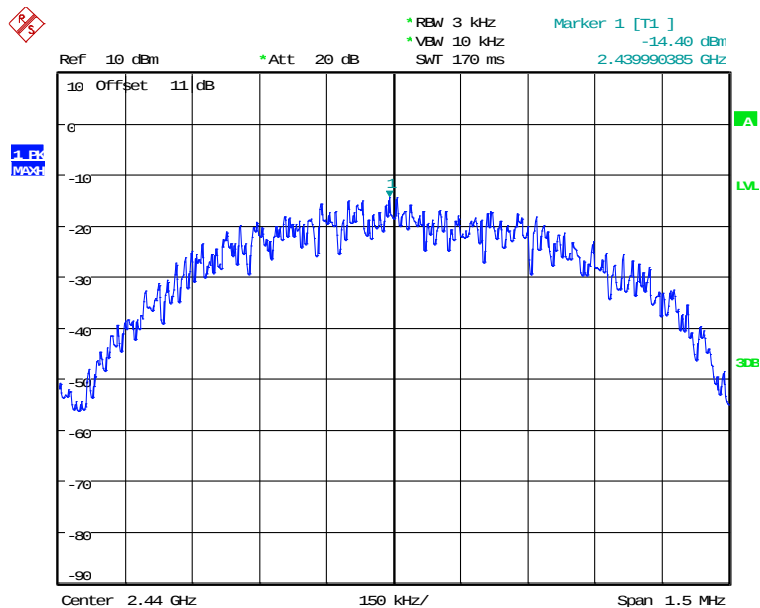
Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

## 3.5.6 Test results



POWER DENSITY BLE 1M CH00  
Date: 31.MAY.2024 16:18:43

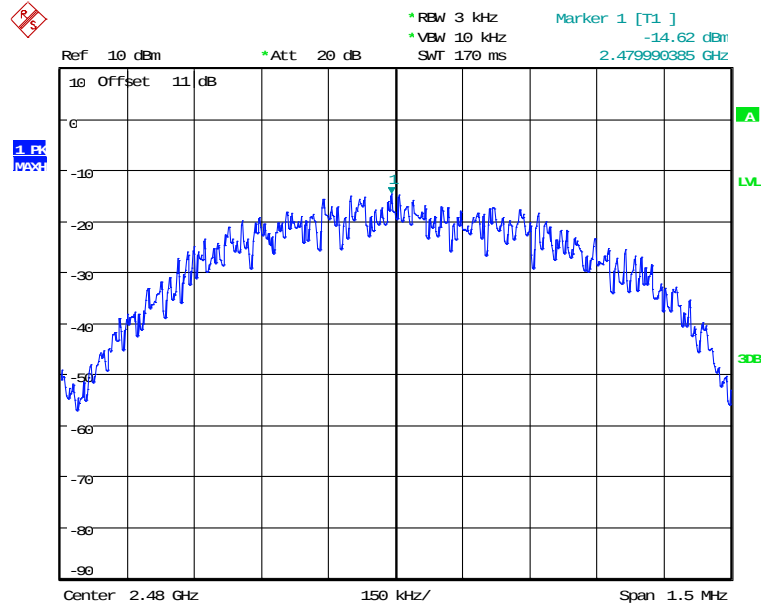


POWER DENSITY BLE 1M CH19  
Date: 31.MAY.2024 16:20:43



Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440



POWER DENSITY BLE 1M CH39  
Date: 31.MAY.2024 16:21:21

Test equipment used: Please see test equipment utilized (RF Conducted).

Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

## 3.6 Power Line Conducted Emission

### 3.6.1 Applicable Standard

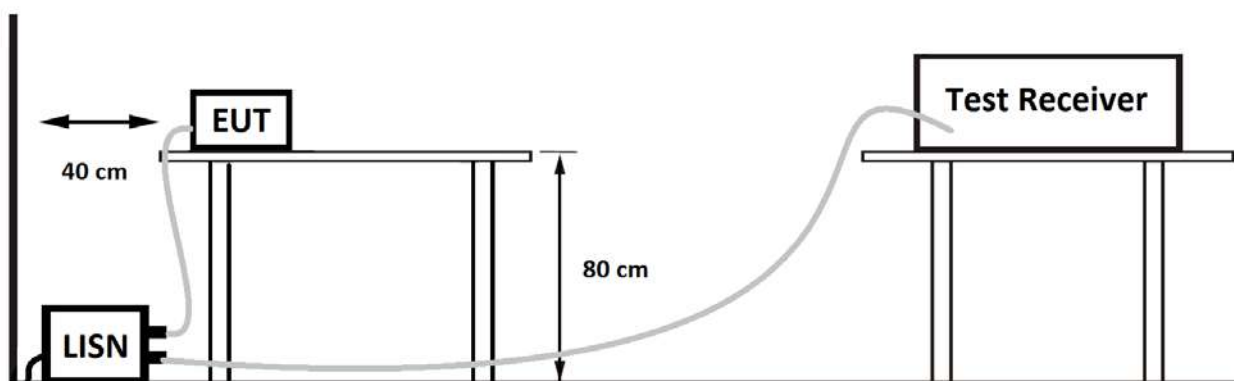
FCC Rules:15.207(a)

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

### 3.6.2 Test procedure

1. EUT is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. Connect EUT to a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). AC input is 120V/60Hz
3. This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

### 3.6.3 Test setup



### 3.6.4 Limits

| Frequency of emission (MHz) | Conducted limit (dB $\mu$ V) |          |
|-----------------------------|------------------------------|----------|
|                             | Quasi-peak                   | Average  |
| 0.15-0.5                    | 66 to 56                     | 56 to 46 |
| 0.5-5                       | 56                           | 46       |
| 5-30                        | 60                           | 50       |



Registration number: W6M22405-23454-C-1

FCC ID: 2A6S5-GT440

**3.6.5 Test results (With Environmental Conditions)**

Explanation: The EUT is battery-used, so this test item is not required.

Test equipment used: Please see test equipment utilized (AC Conducted).



Registration number: W6M22405-23454-C-1  
FCC ID: 2A6S5-GT440

## **Appendix**

### **Measurement diagrams**

Radiated Emission



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

# Radiated Emission Measurement

Operator: Jeff

File: 1\_BLE(1M)\_TX 2402MHz Data: #1

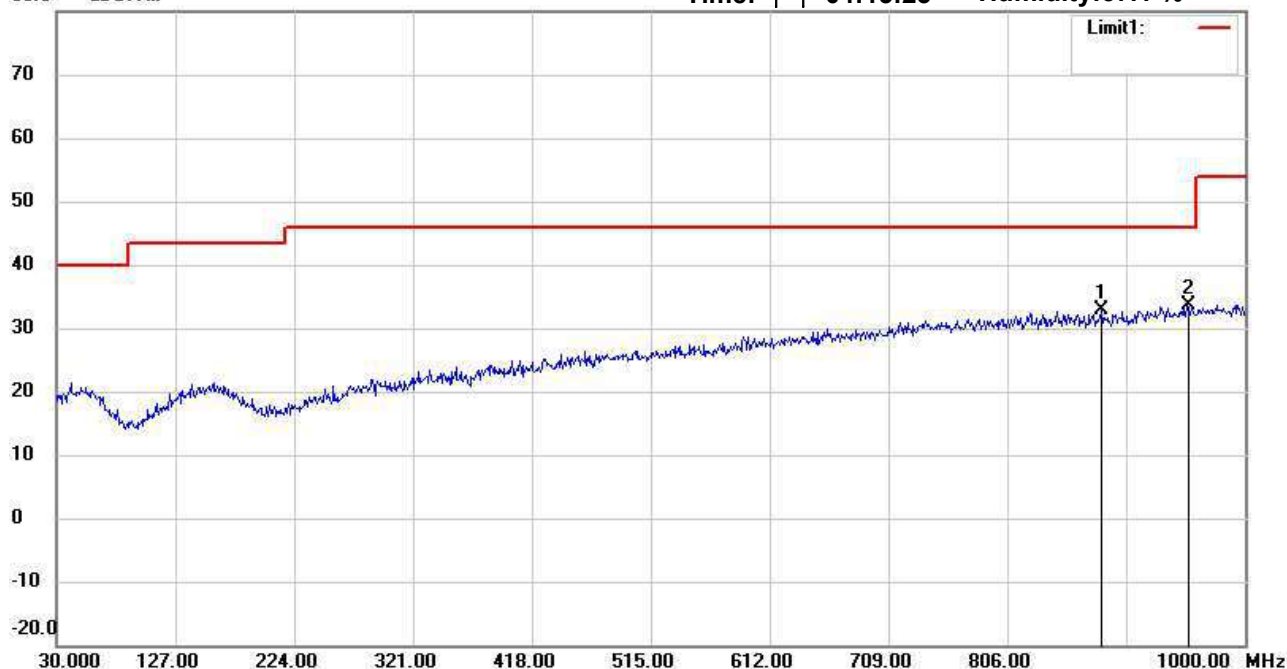
Date: 2024/5/29

Temperature: 26.2 °C

80.0 dBuV/m

Time: 下午 04:15:23

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_30-1000MHz

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 882.6300        | 34.19          | peak     | -1.38               | 32.81           | 46.00          | 100          | 0              | -13.19      |         |
| *   | 952.9550        | 34.19          | peak     | -0.59               | 33.60           | 46.00          | 100          | 2              | -12.40      |         |

\*:Maximum data x:Over limit !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File: 1\_BLE(1M)\_TX 2402MHz Data: #2

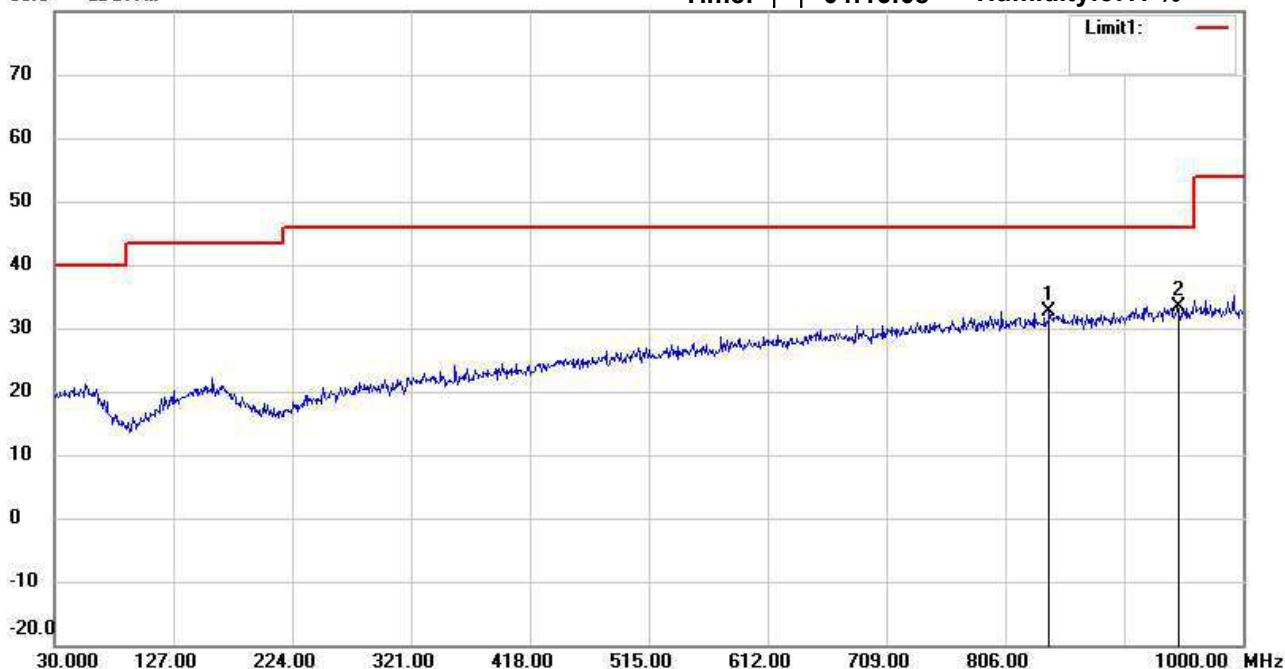
Date: 2024/5/29

Temperature: 26.2 °C

80.0 dBuV/m

Time: 下午 04:16:08

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_30-1000MHz

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 841.8900        | 34.23          | peak     | -1.70               | 32.53           | 46.00          | 100          | 126            | -13.47      |         |
| *   | 947.1350        | 34.00          | peak     | -0.64               | 33.36           | 46.00          | 100          | 161            | -12.64      |         |

\*:Maximum data x:Over limit !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #1

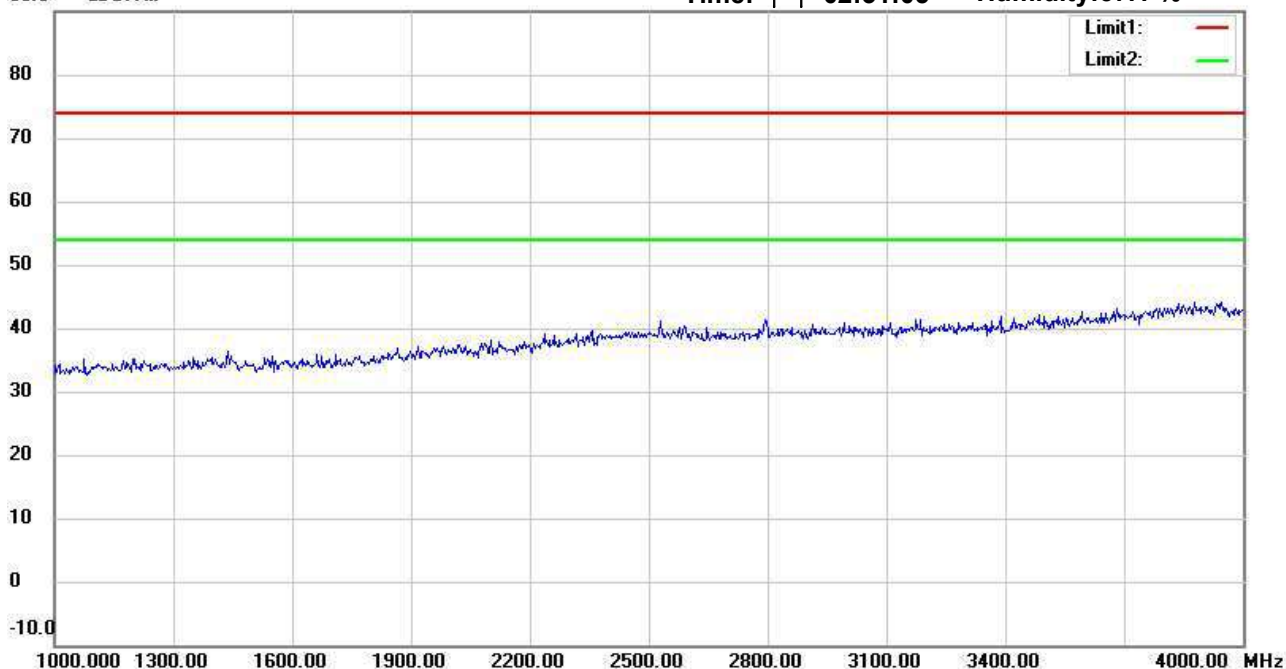
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 02:31:05

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#6

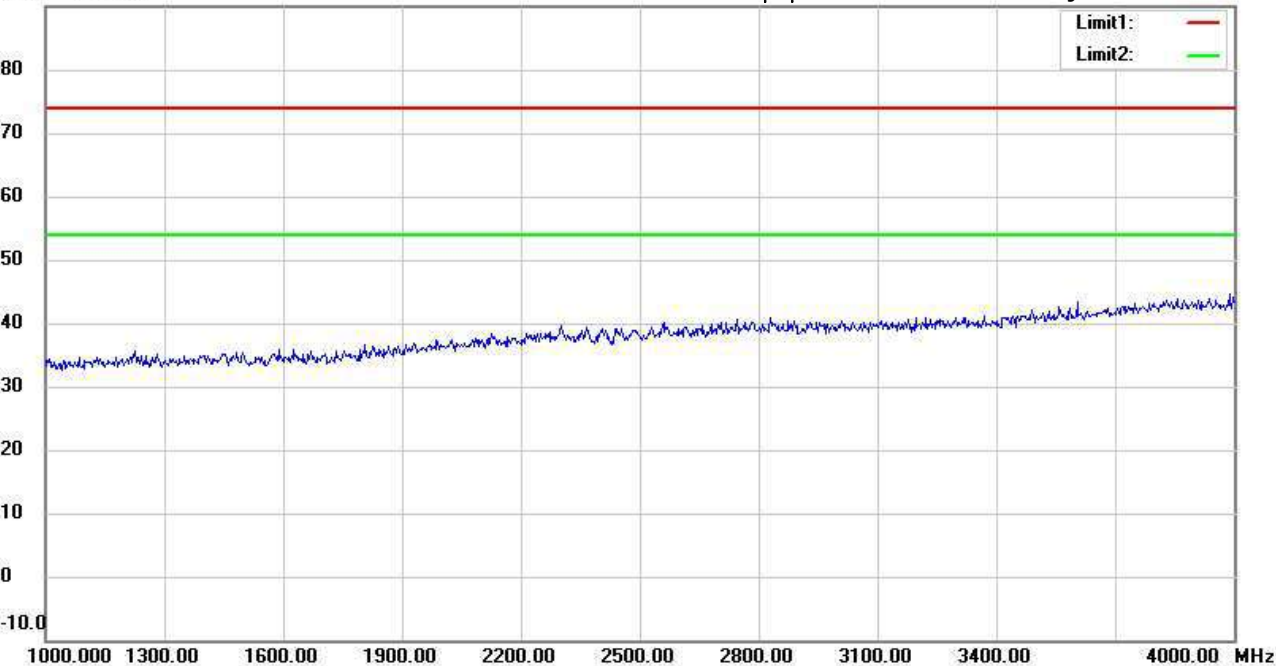
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 02:33:49

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#2

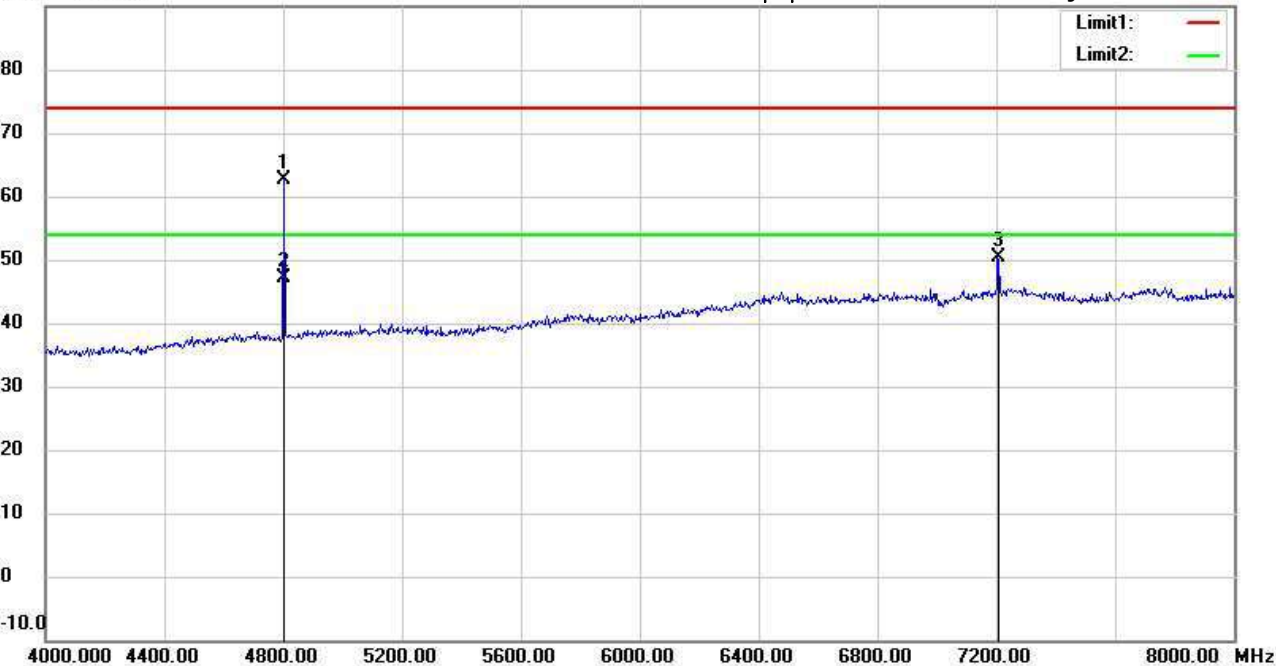
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 02:31:48

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 4804.000        | 58.26          | peak     | 4.34                | 62.60           | 74.00          | 150          | 201            | -11.40      |         |
| *   | 4804.000        | 42.71          | AVG      | 4.34                | 47.05           | 54.00          | 150          | 201            | -6.95       |         |
|     | 7206.000        | 39.41          | peak     | 10.98               | 50.39           | 74.00          | 150          | 146            | -23.61      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#7

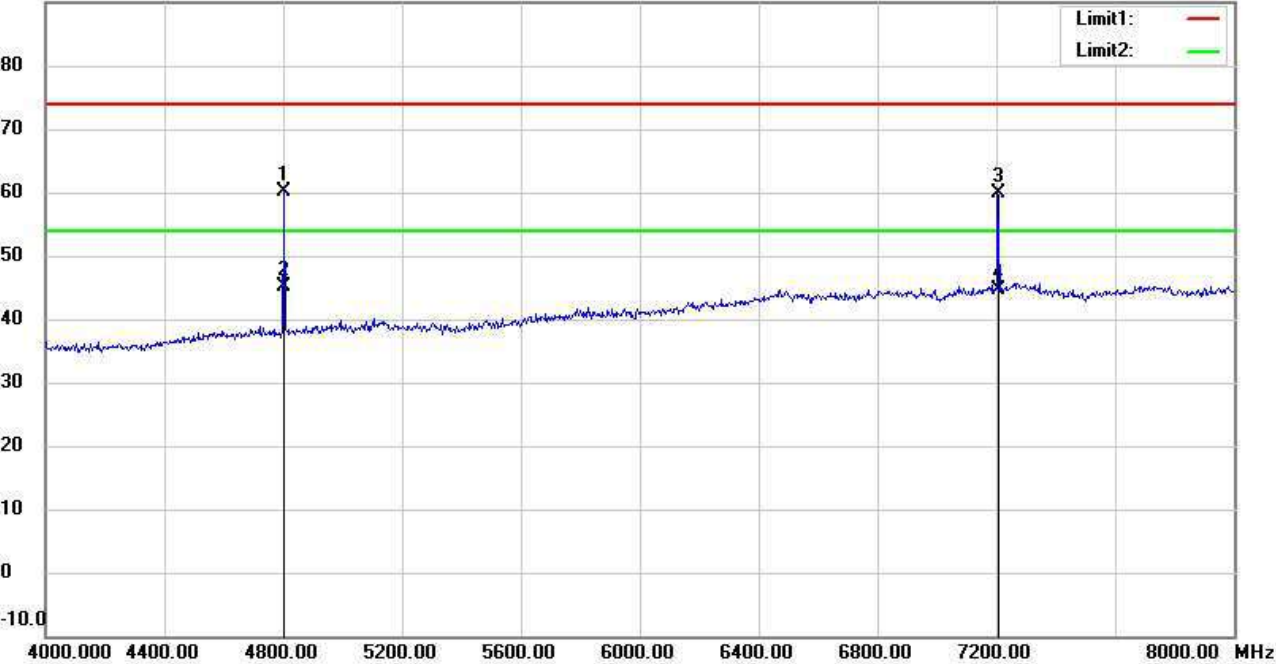
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 02:34:33

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 4804.000        | 55.78          | peak     | 4.34                | 60.12           | 74.00          | 150          | 207            | -13.88      |         |
| *   | 4804.000        | 40.83          | AVG      | 4.34                | 45.17           | 54.00          | 150          | 207            | -8.83       |         |
|     | 7206.000        | 48.83          | peak     | 10.98               | 59.81           | 74.00          | 150          | 193            | -14.19      |         |
|     | 7206.000        | 33.60          | AVG      | 10.98               | 44.58           | 54.00          | 150          | 193            | -9.42       |         |

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #3

Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 02:32:37

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 9608.000        | 34.11          | peak     | 12.79               | 46.90           | 74.00          | 150          | 0              | -27.10      |         |
| *   | 12010.000       | 33.98          | peak     | 16.78               | 50.76           | 74.00          | 150          | 37             | -23.24      |         |

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #8

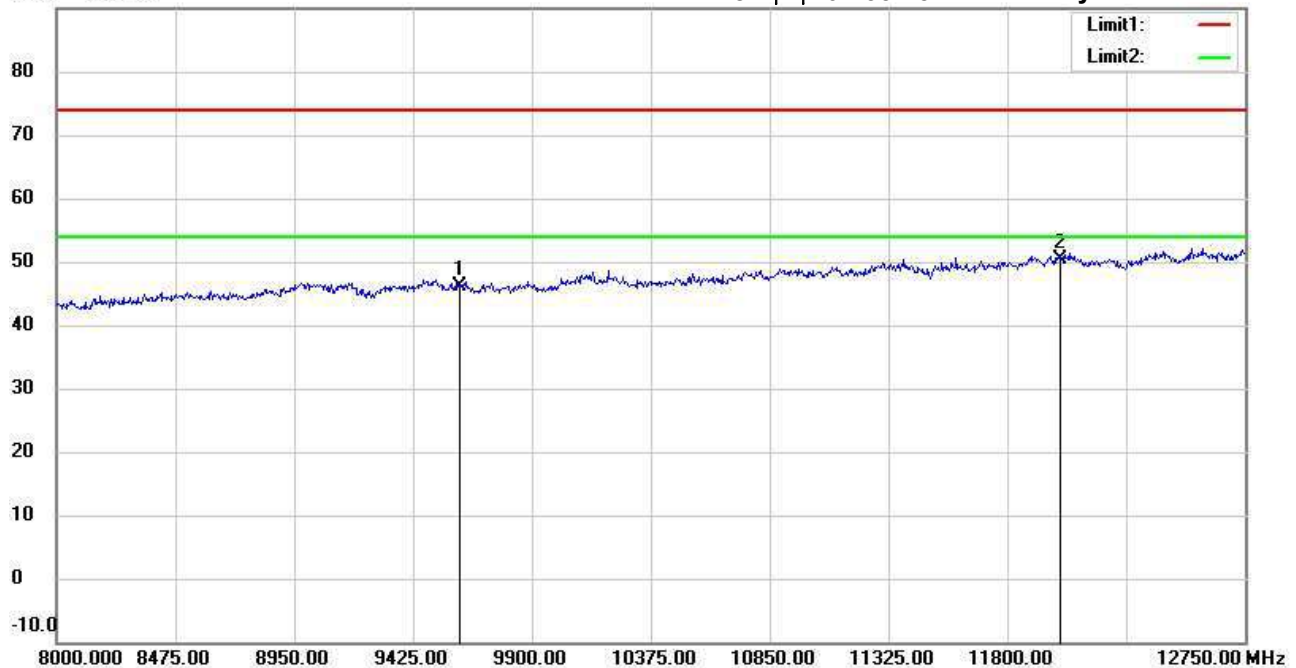
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 02:35:15

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 9608.000        | 33.39          | peak     | 12.79               | 46.18           | 74.00          | 150          | 187            | -27.82      |         |
| *   | 12010.000       | 33.72          | peak     | 16.78               | 50.50           | 74.00          | 150          | 40             | -23.50      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#4

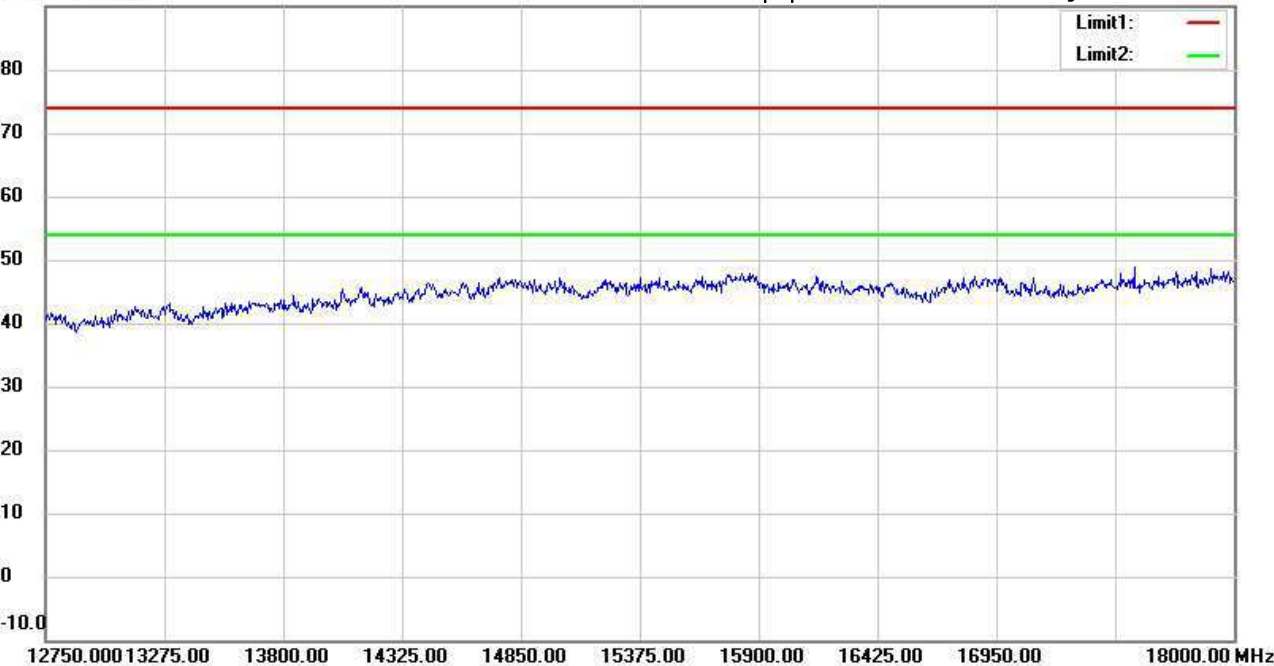
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 02:32:54

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#9

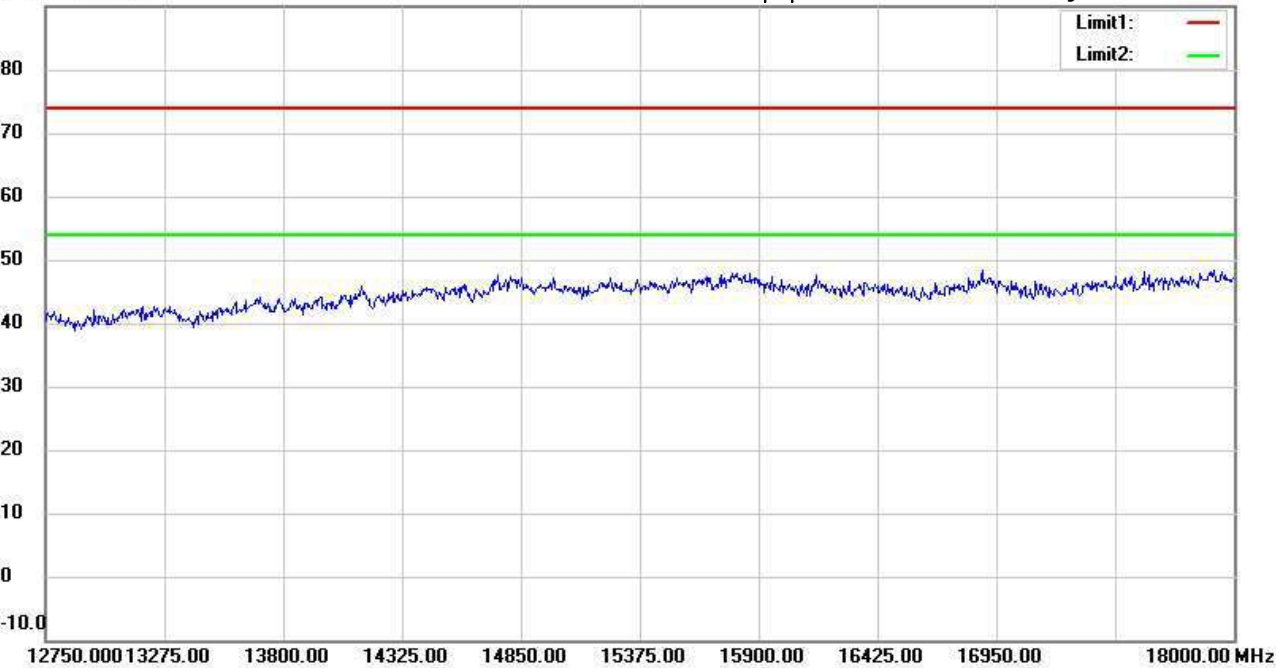
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 02:35:31

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #5

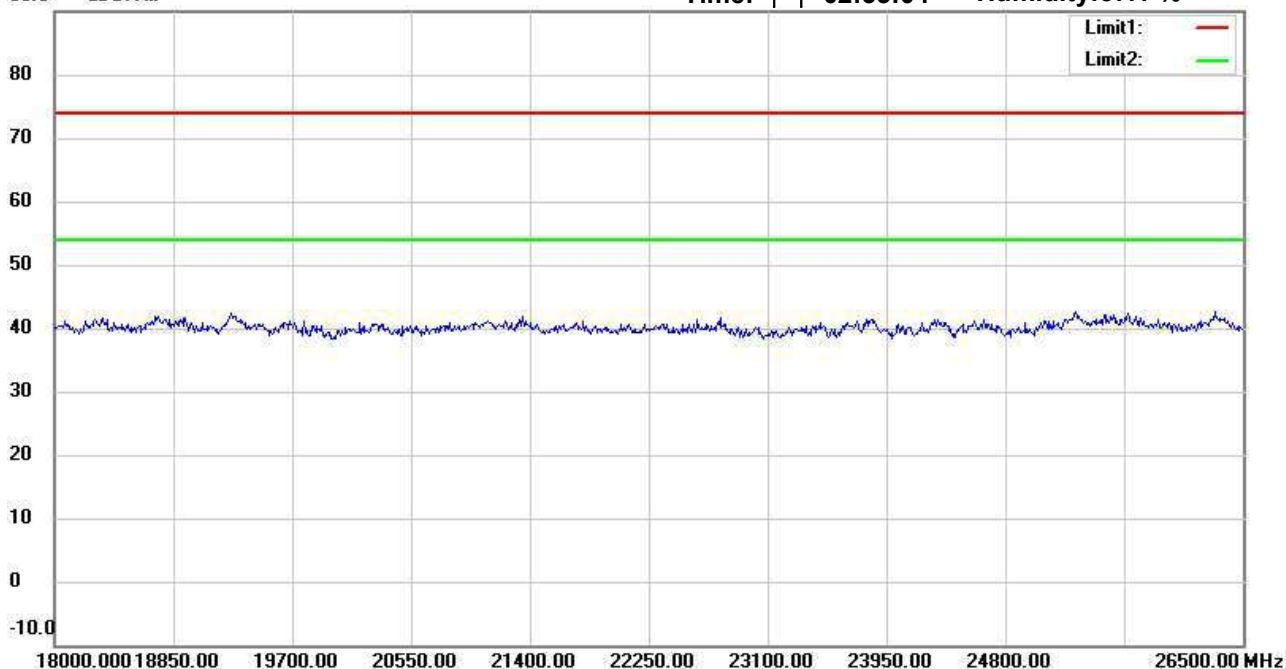
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 02:33:04

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#10

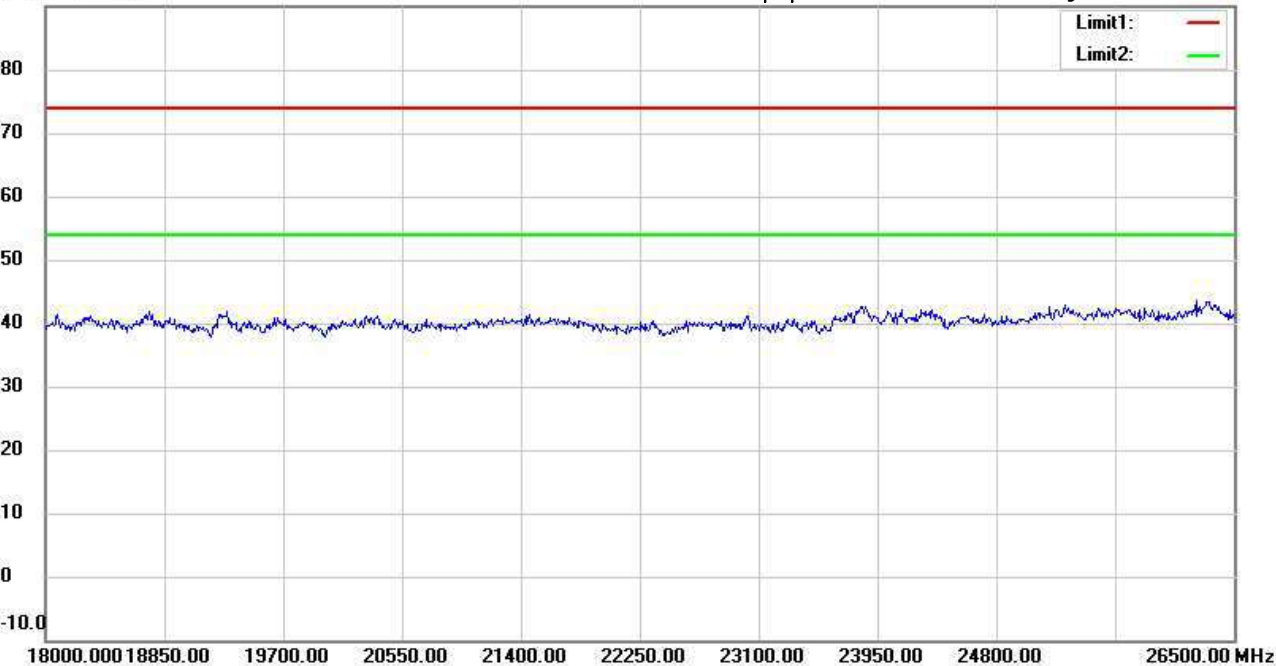
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 02:35:42

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#1

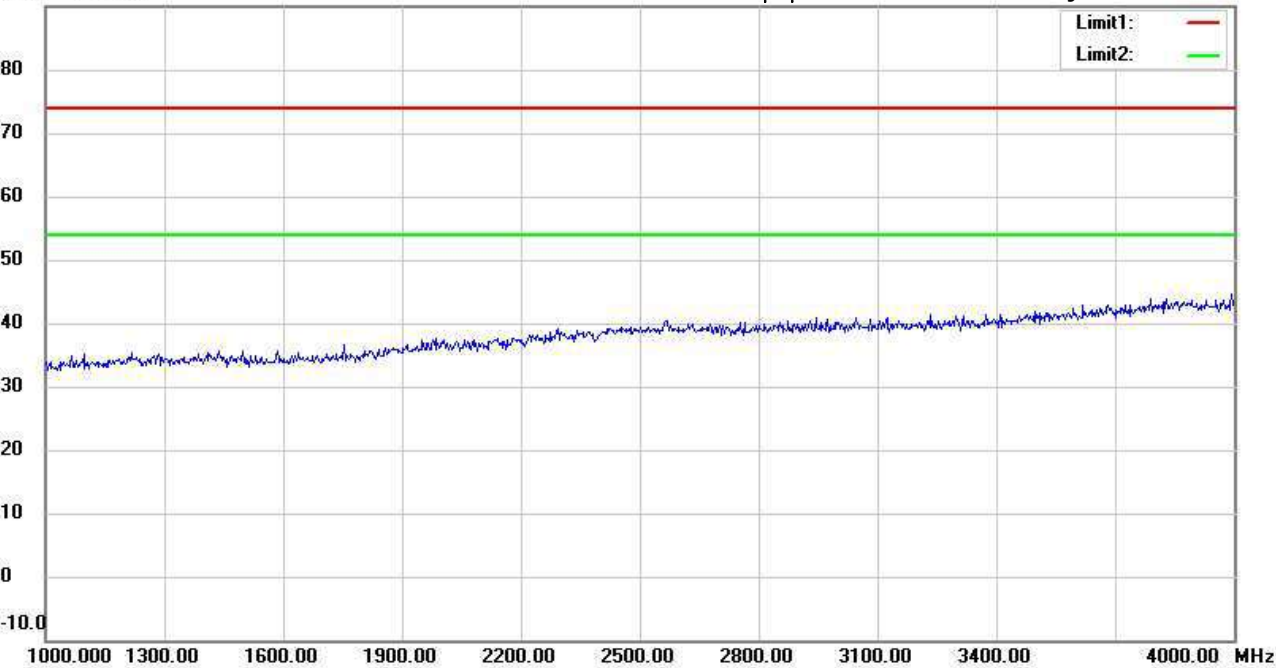
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:01:40

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #6

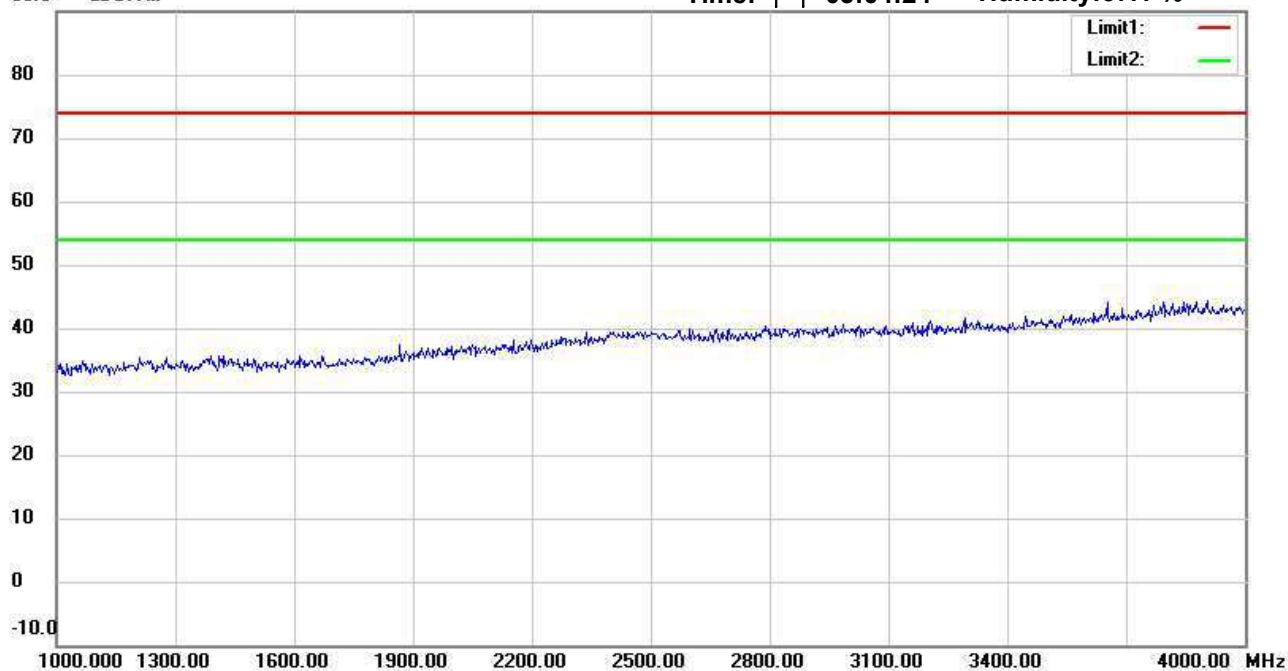
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 03:04:24

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

# Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #2

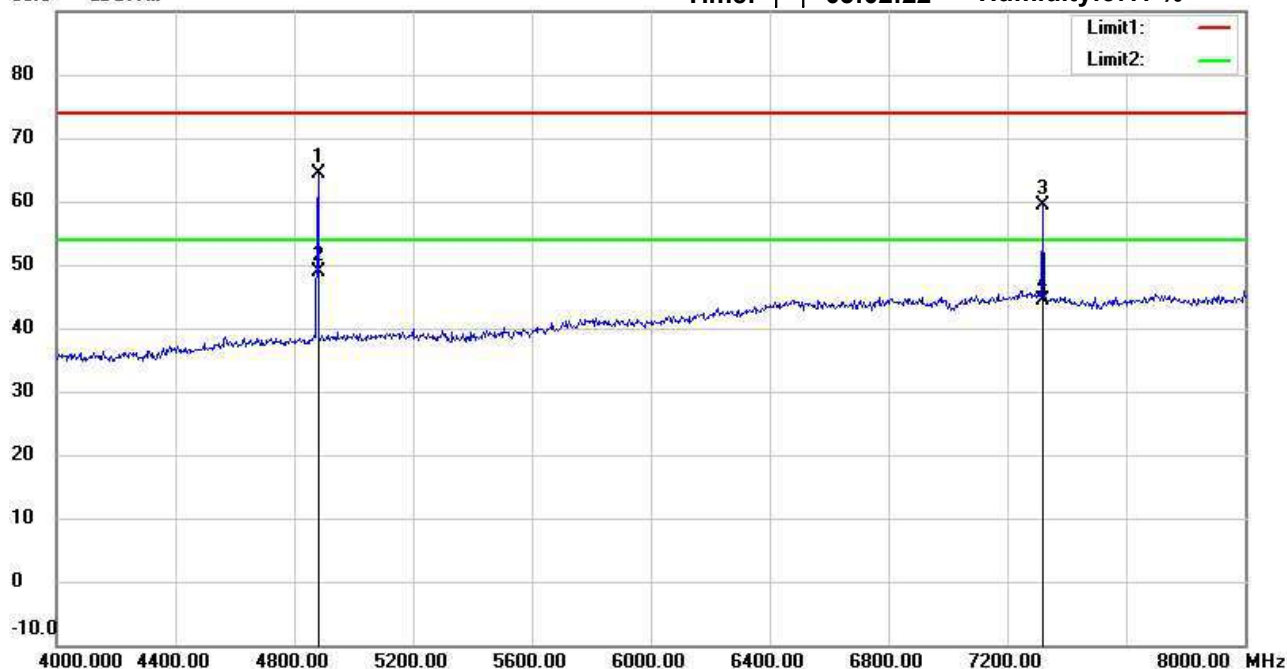
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 03:02:22

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 4880.000        | 59.62          | peak     | 4.69                | 64.31           | 74.00          | 150          | 172            | -9.69       |         |
| *   | 4880.000        | 44.16          | AVG      | 4.69                | 48.85           | 54.00          | 150          | 172            | -5.15       |         |
|     | 7320.000        | 48.07          | peak     | 11.27               | 59.34           | 74.00          | 150          | 199            | -14.66      |         |
|     | 7320.000        | 33.16          | AVG      | 11.27               | 44.43           | 54.00          | 150          | 199            | -9.57       |         |

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

# Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #7

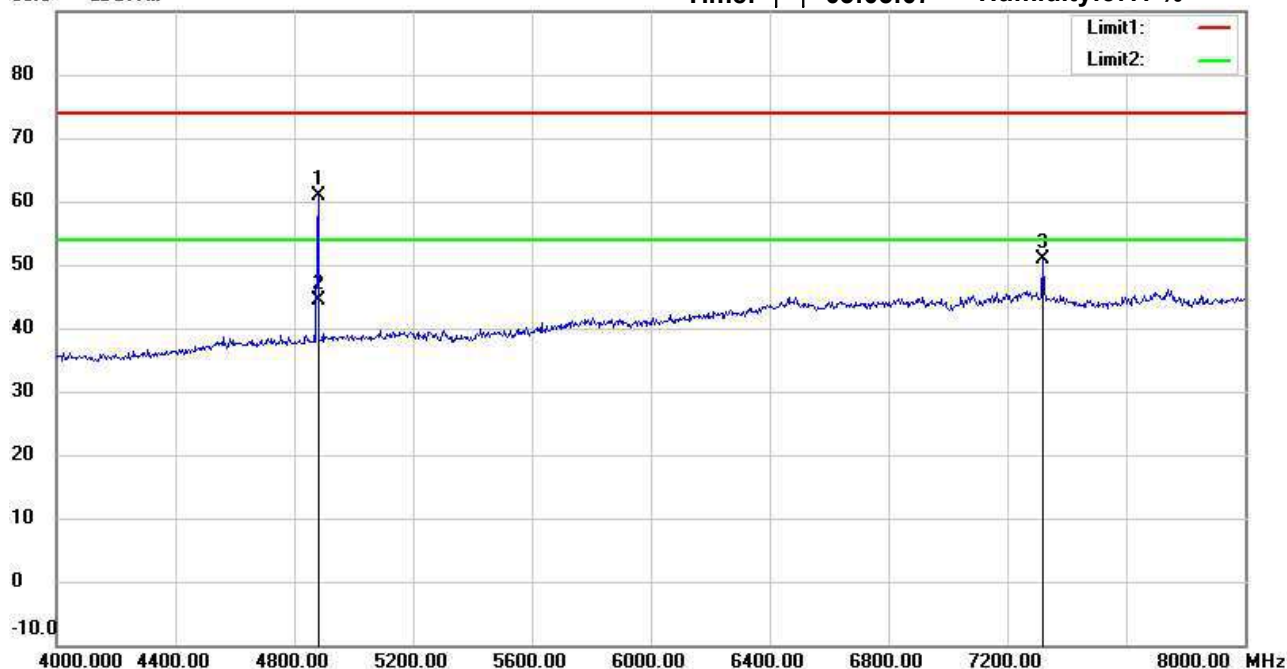
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 03:05:07

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 4880.000        | 56.20          | peak     | 4.69                | 60.89           | 74.00          | 150          | 206            | -13.11      |         |
| *   | 4880.000        | 39.63          | AVG      | 4.69                | 44.32           | 54.00          | 150          | 206            | -9.68       |         |
|     | 7320.000        | 39.51          | peak     | 11.27               | 50.78           | 74.00          | 150          | 172            | -23.22      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#3

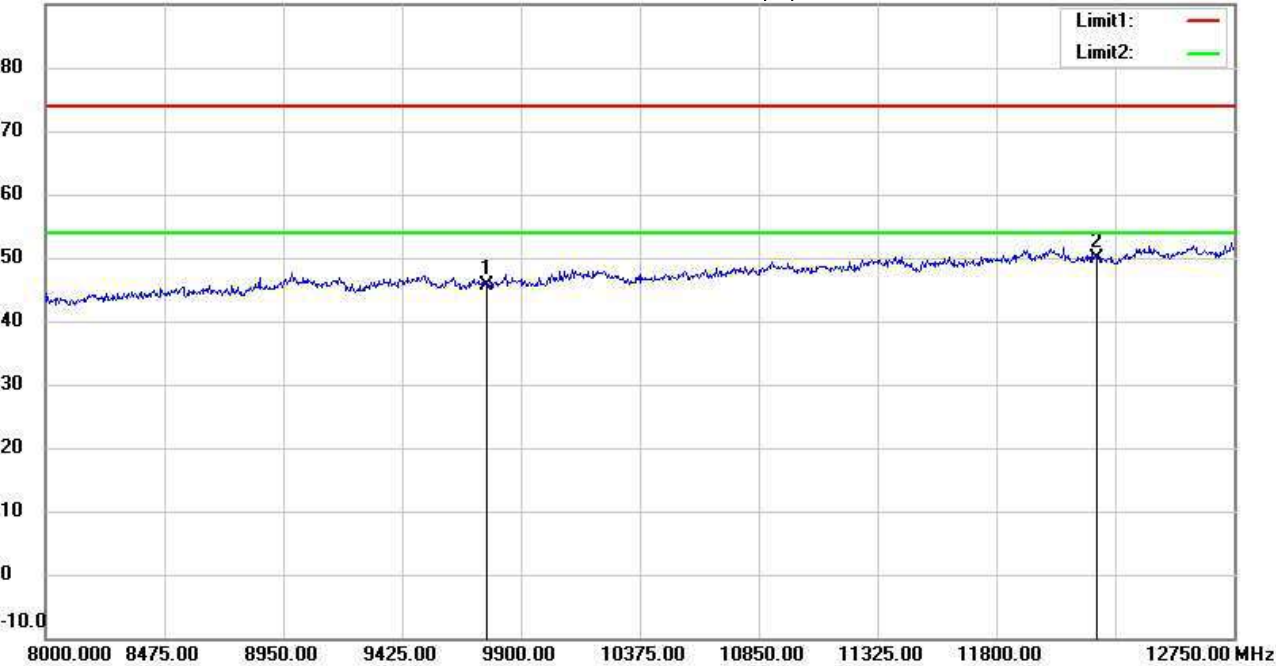
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:03:12

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 9760.000        | 32.56          | peak     | 13.15               | 45.71           | 74.00          | 150          | 201            | -28.29      |         |
| *   | 12200.000       | 33.23          | peak     | 16.63               | 49.86           | 74.00          | 150          | 317            | -24.14      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#8

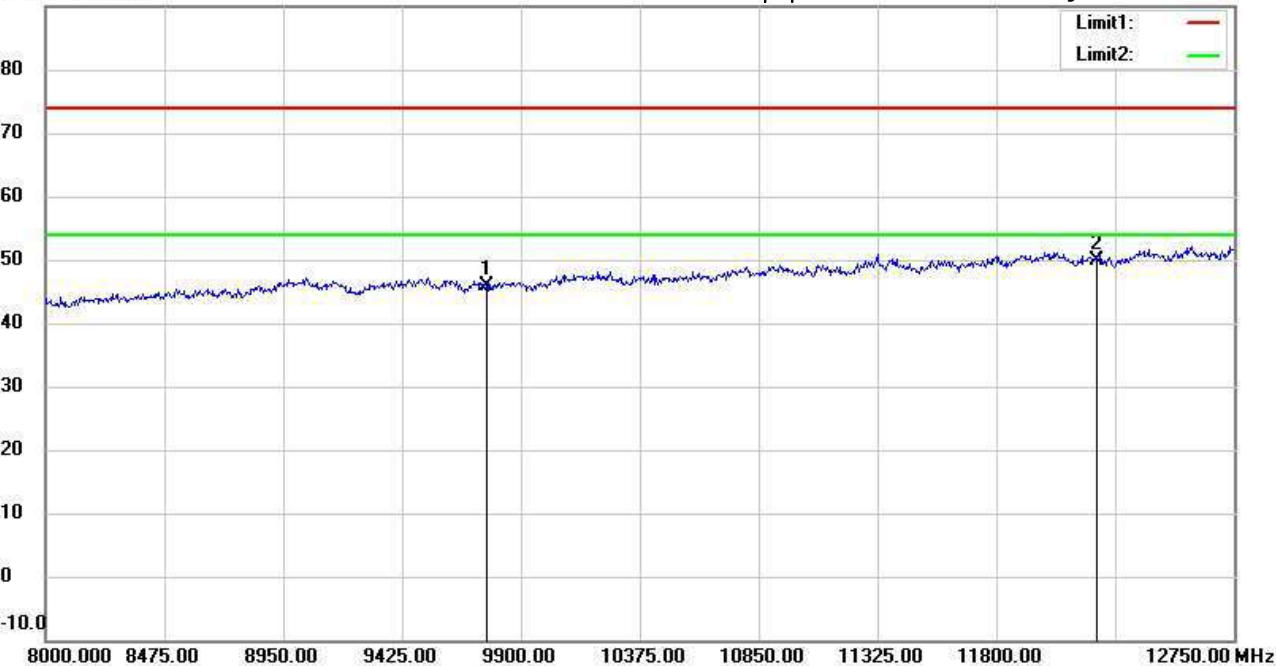
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:05:49

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 9760.000        | 32.69          | peak     | 13.15               | 45.84           | 74.00          | 150          | 215            | -28.16      |         |
| *   | 12200.000       | 33.20          | peak     | 16.63               | 49.83           | 74.00          | 150          | 86             | -24.17      |         |

\*:Maximum data x:Over limit !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #4

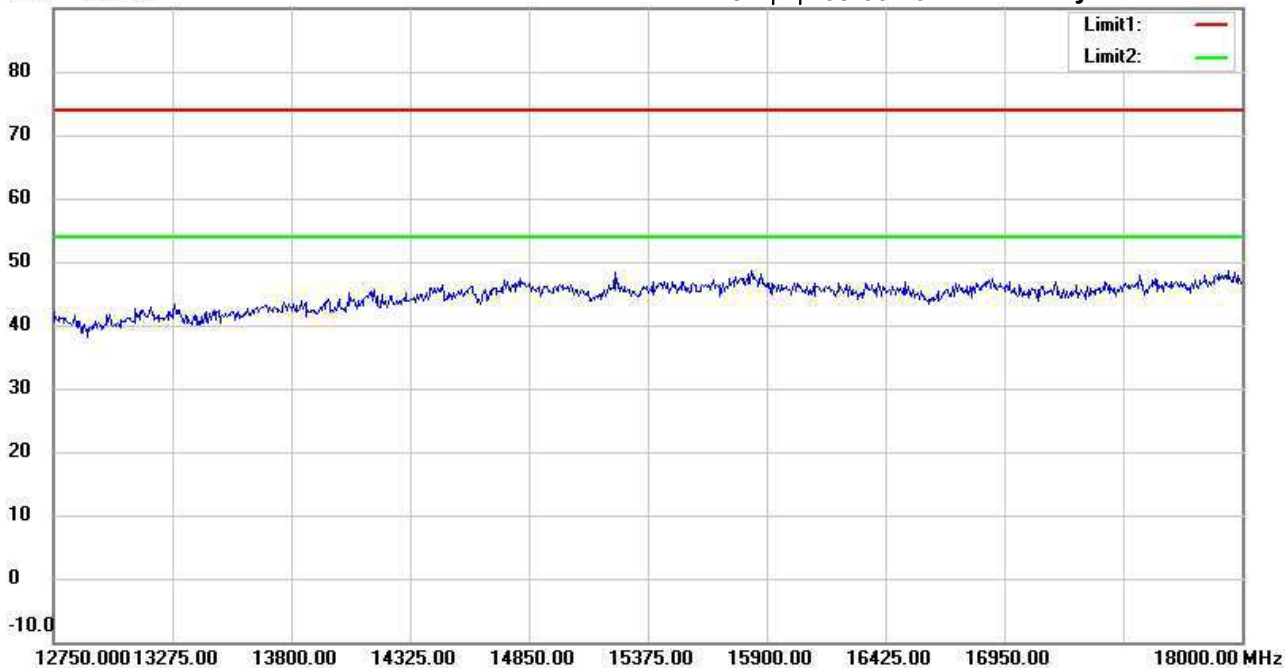
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 03:03:29

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#9

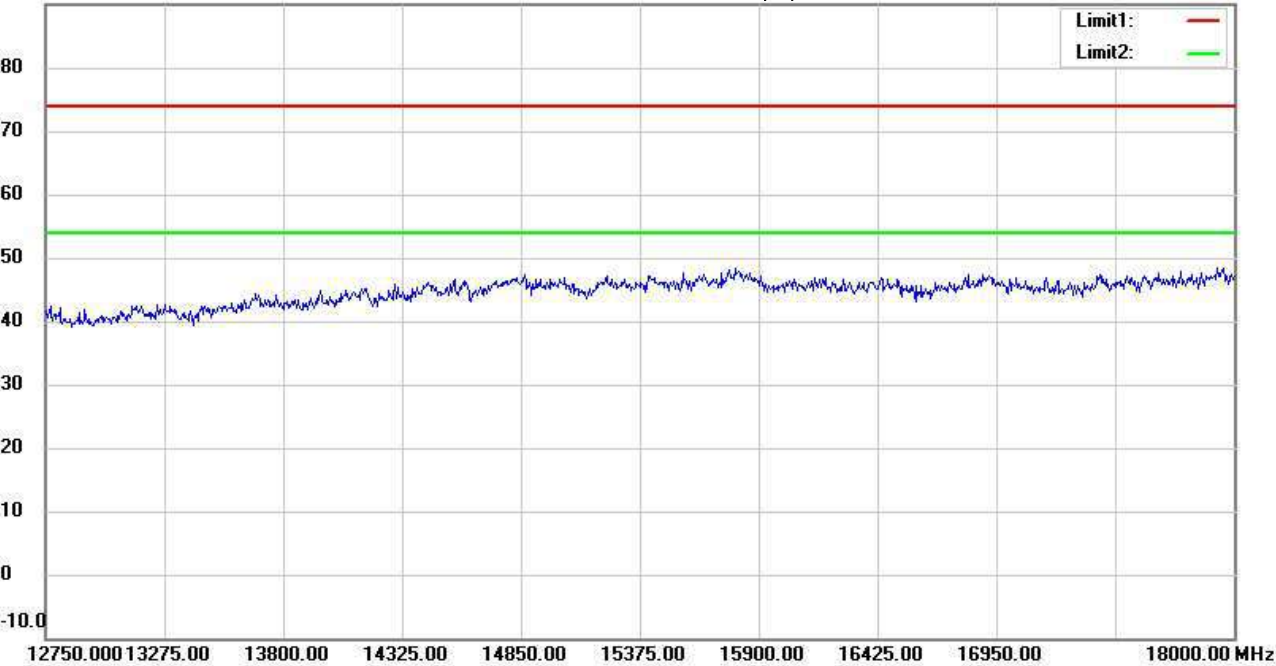
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:06:05

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#5

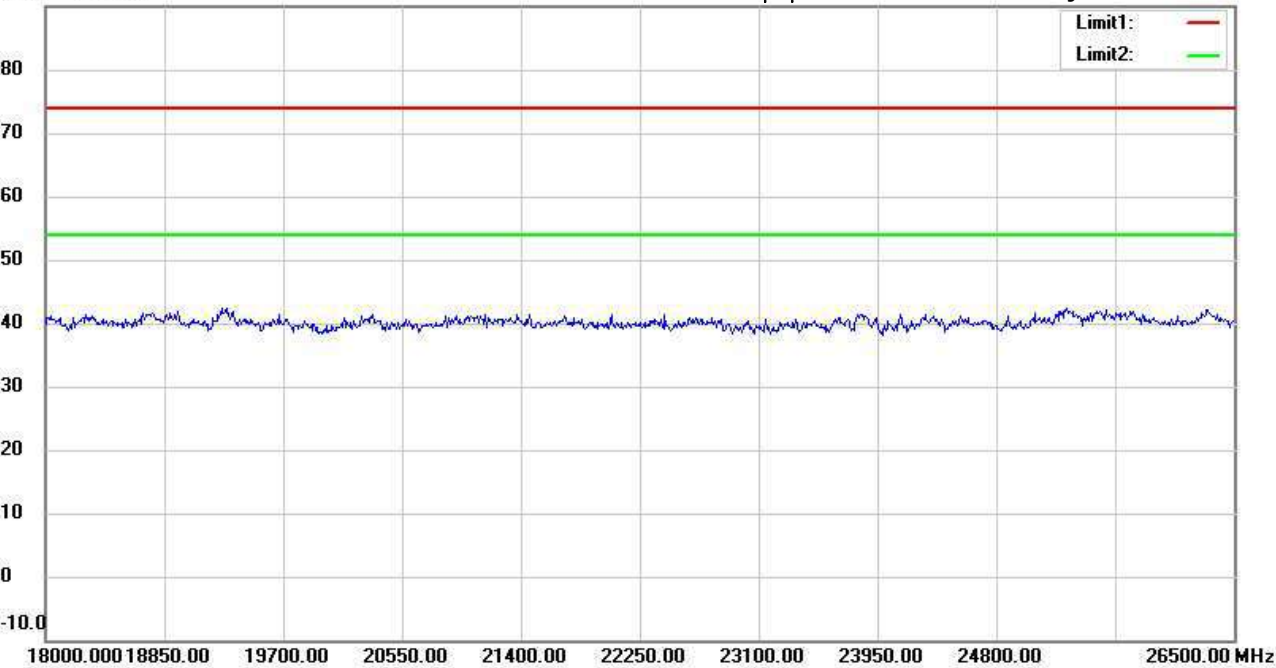
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:03:39

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #10

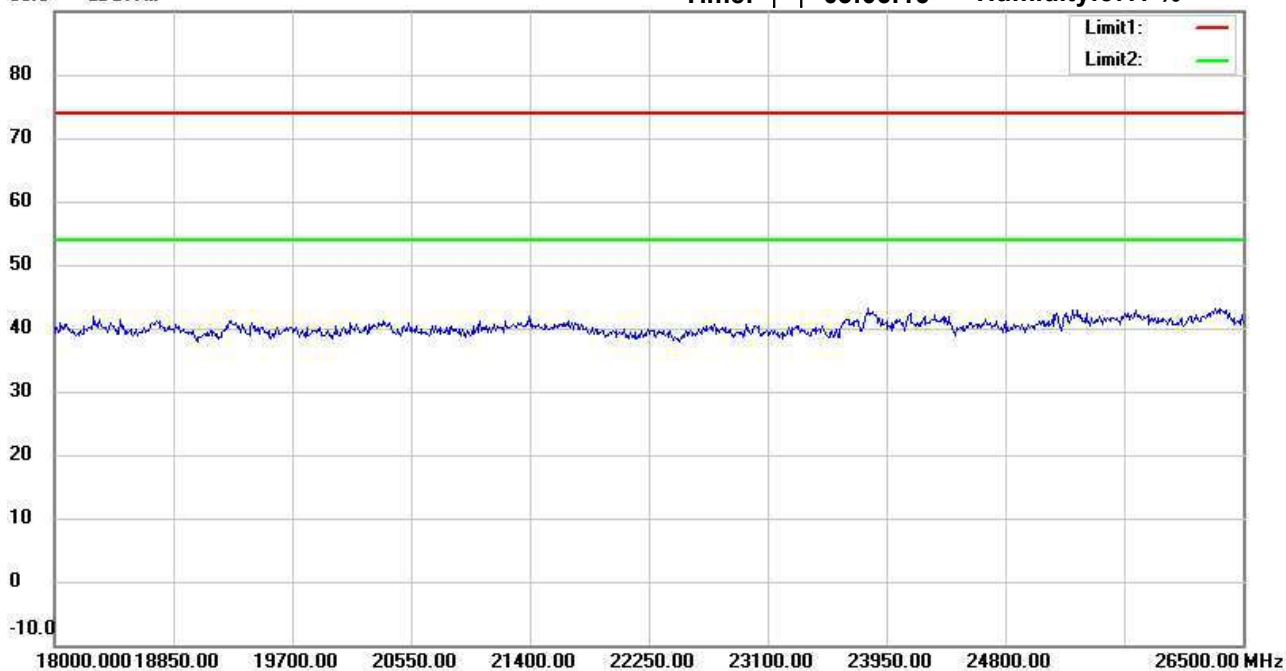
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 03:06:16

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #1

Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 03:15:06

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#6

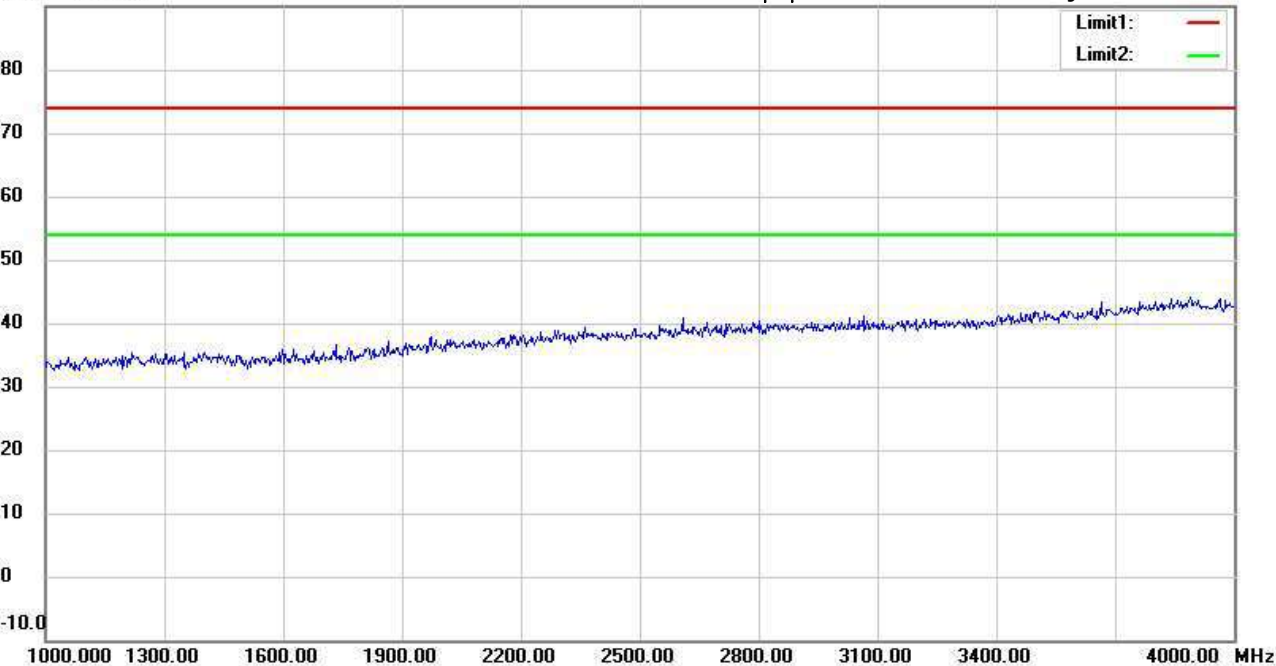
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:17:50

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#2

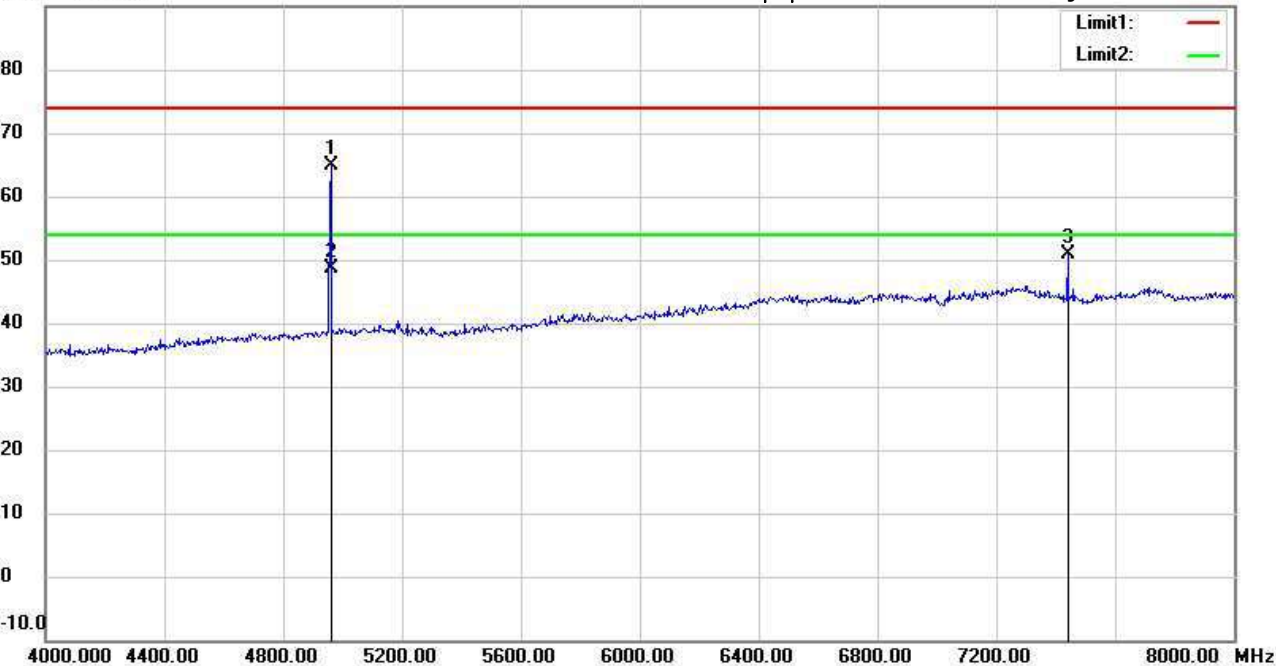
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:15:49

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 4960.000        | 59.78          | peak     | 5.03                | 64.81           | 74.00          | 150          | 173            | -9.19       |         |
| *   | 4960.000        | 43.55          | AVG      | 5.03                | 48.58           | 54.00          | 150          | 173            | -5.42       |         |
|     | 7440.000        | 39.96          | peak     | 10.97               | 50.93           | 74.00          | 150          | 138            | -23.07      |         |

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #7

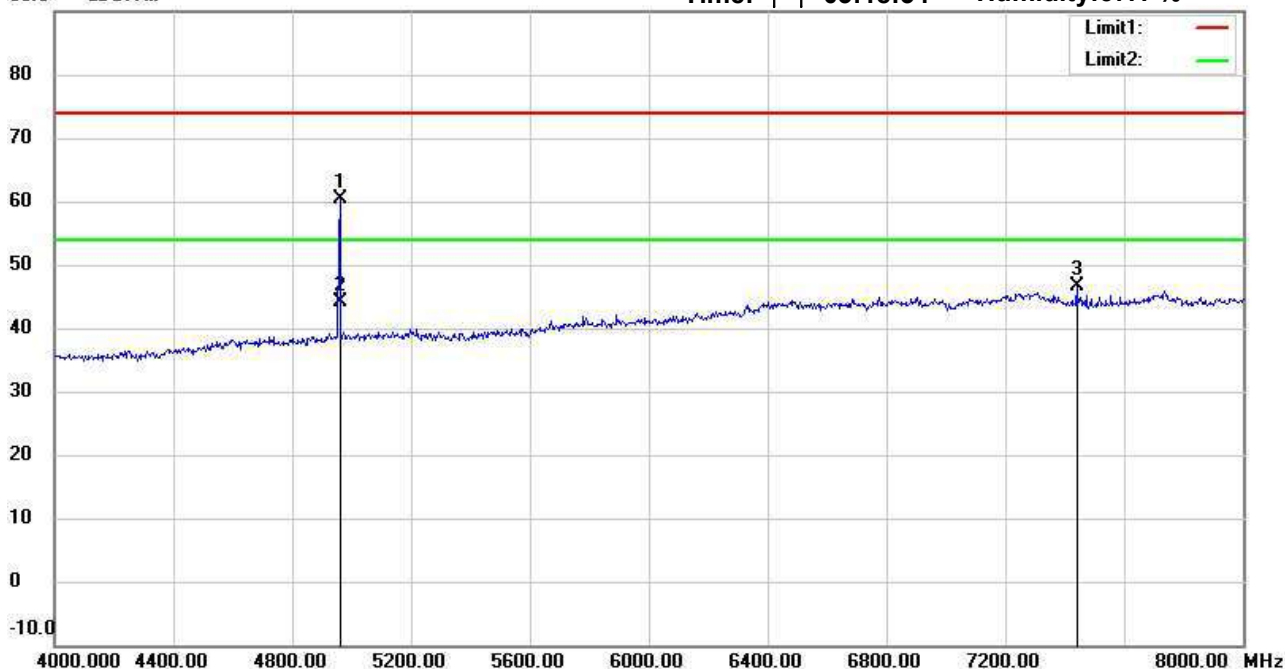
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 03:18:34

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 4960.000        | 55.30          | peak     | 5.03                | 60.33           | 74.00          | 150          | 208            | -13.67      |         |
| *   | 4960.000        | 39.02          | AVG      | 5.03                | 44.05           | 54.00          | 150          | 208            | -9.95       |         |
|     | 7440.000        | 35.55          | peak     | 10.97               | 46.52           | 74.00          | 150          | 247            | -27.48      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#3

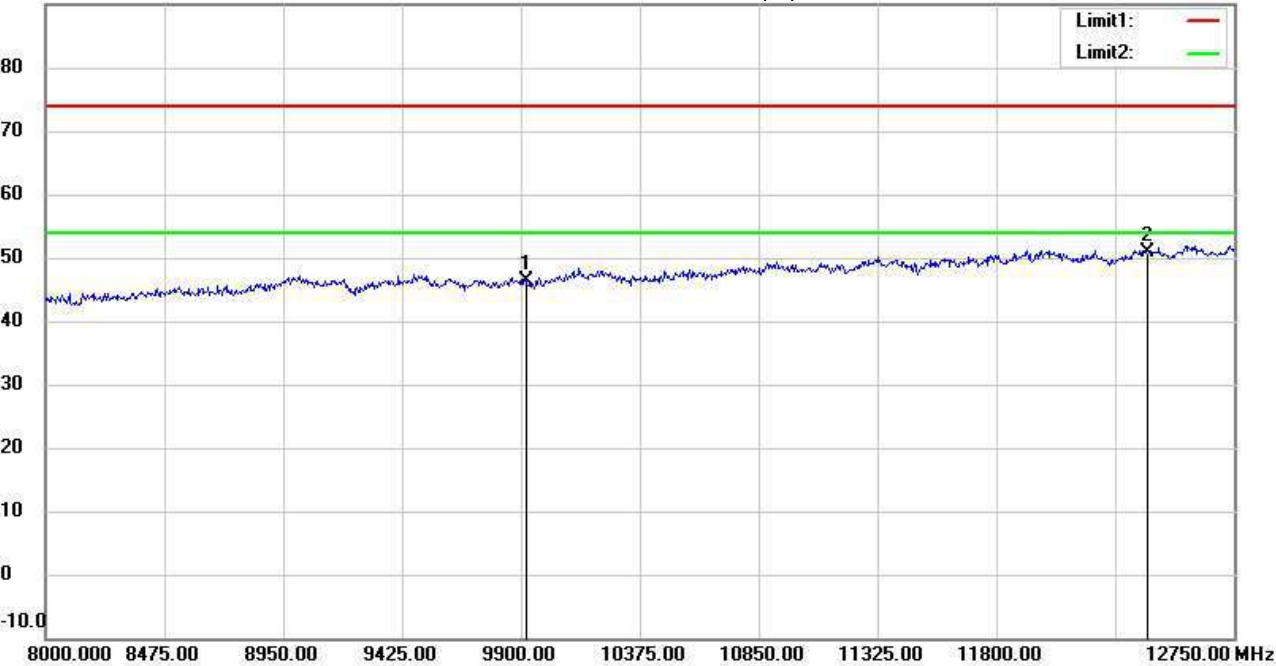
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:16:38

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 9920.000        | 32.98          | peak     | 13.40               | 46.38           | 74.00          | 150          | 37             | -27.62      |         |
| *   | 12400.000       | 33.85          | peak     | 17.05               | 50.90           | 74.00          | 150          | 172            | -23.10      |         |

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
Tel: +886-2-2646-1508  
Fax: +886-2-2646-1533

# Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #8

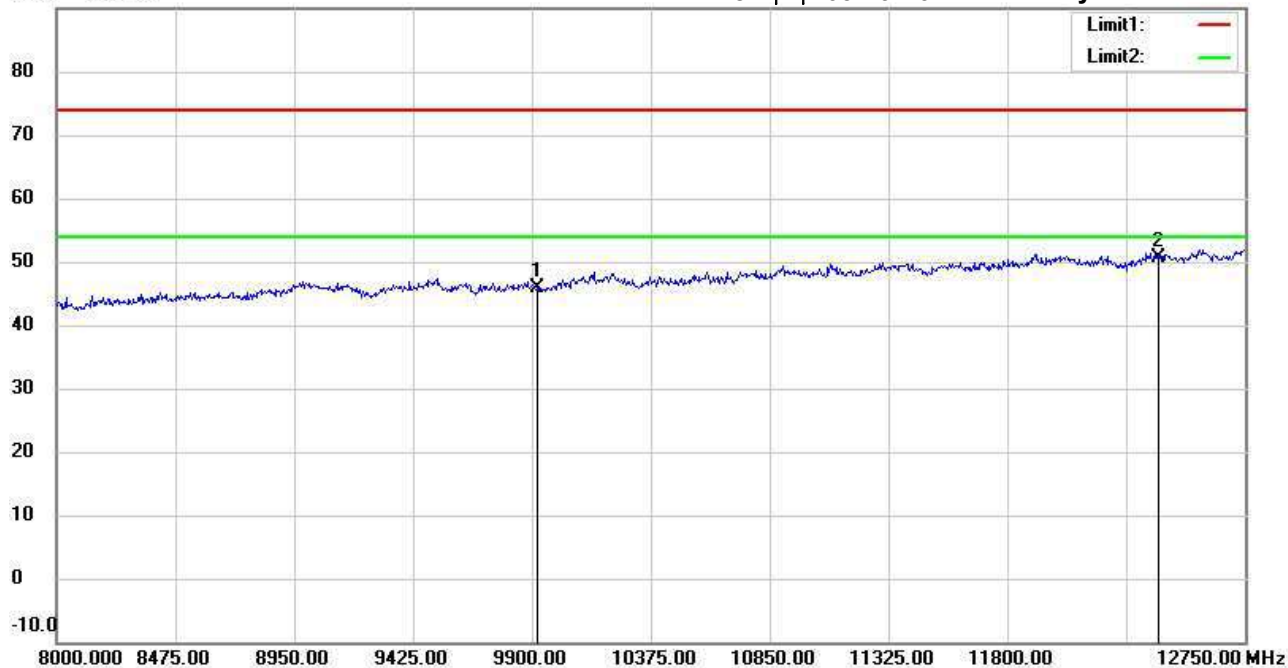
Date: 2024/5/29

Temperature: 26.2 °C

90.0 dBuV/m

Time: 下午 03:19:16

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 9920.000        | 32.50          | peak     | 13.40               | 45.90           | 74.00          | 150          | 23             | -28.10      |         |
| *   | 12400.000       | 33.46          | peak     | 17.05               | 50.51           | 74.00          | 150          | 359            | -23.49      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#4

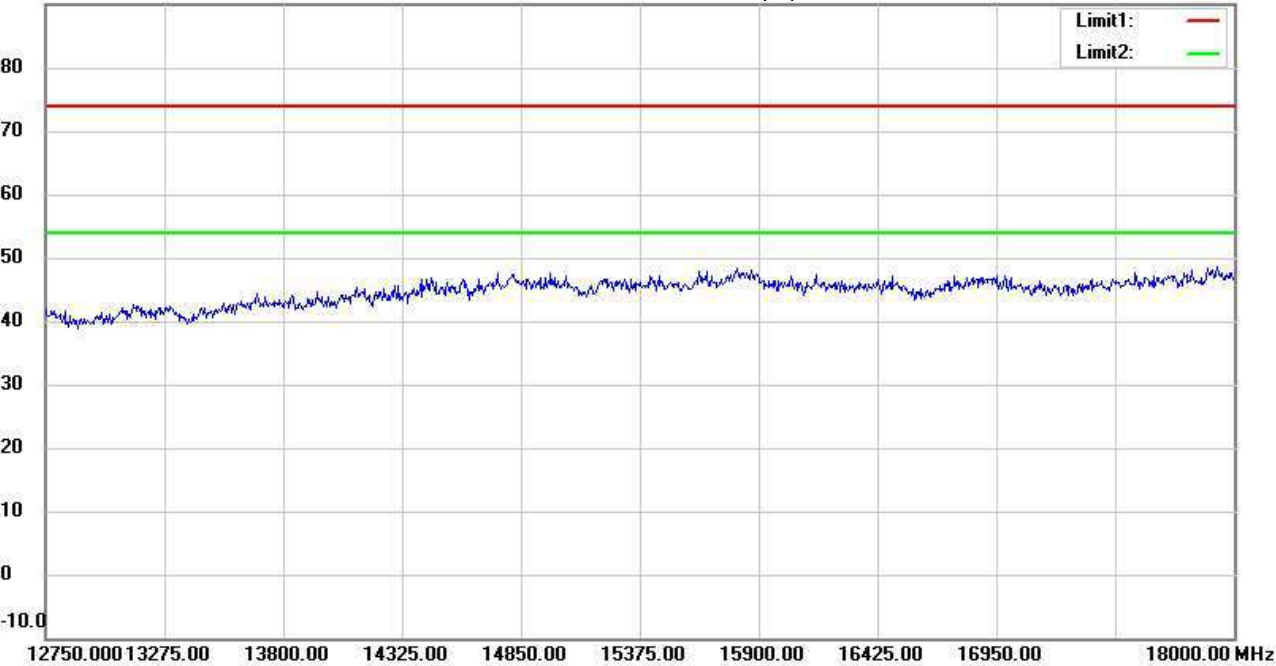
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:16:55

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#9

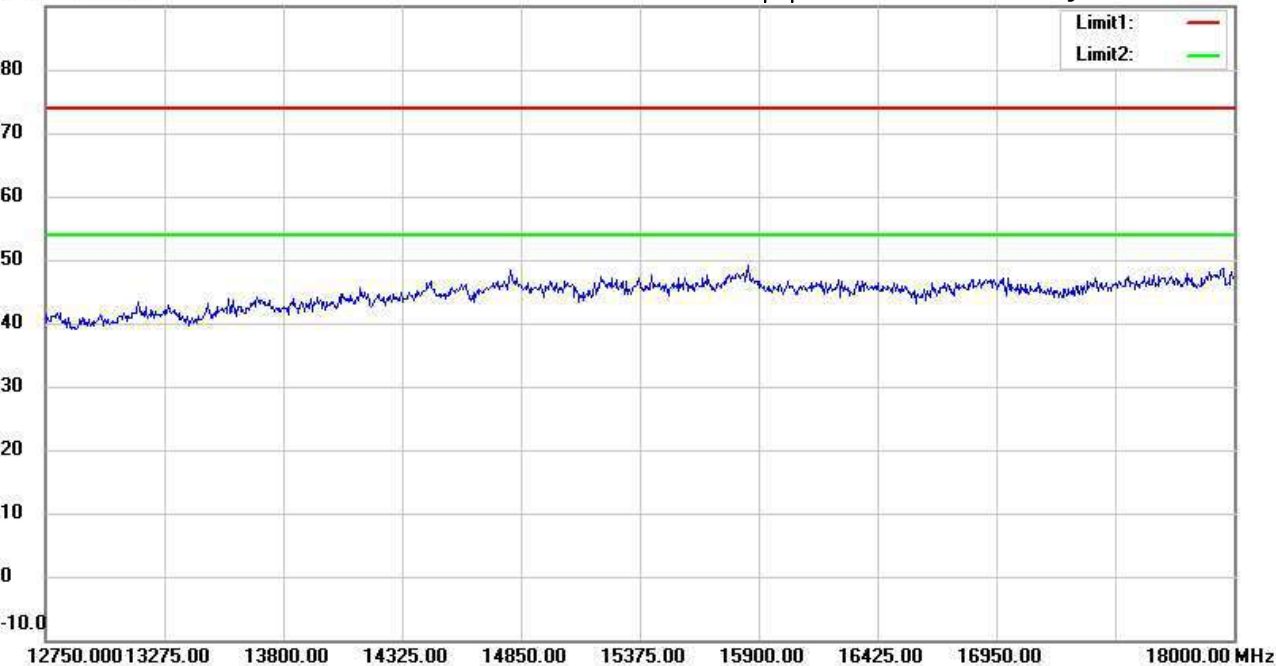
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:19:32

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data    x:Over limit    !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
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Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#5

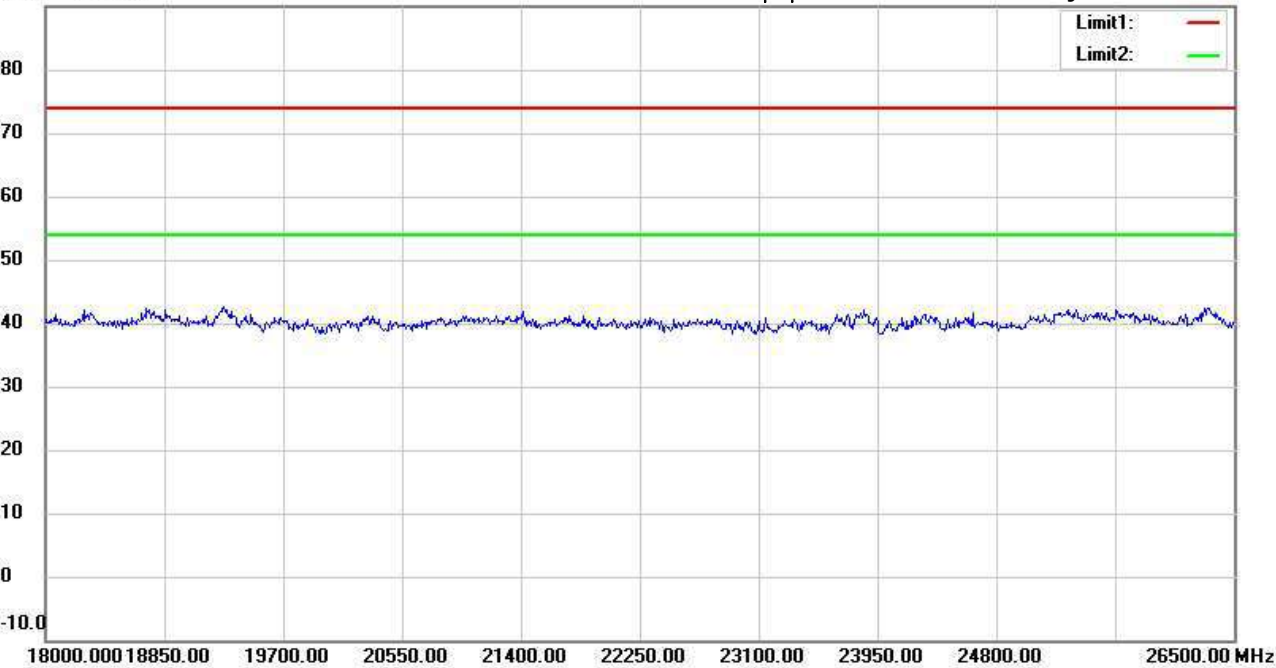
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:17:05

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data x:Over limit !:over margin



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :3

Data :#10

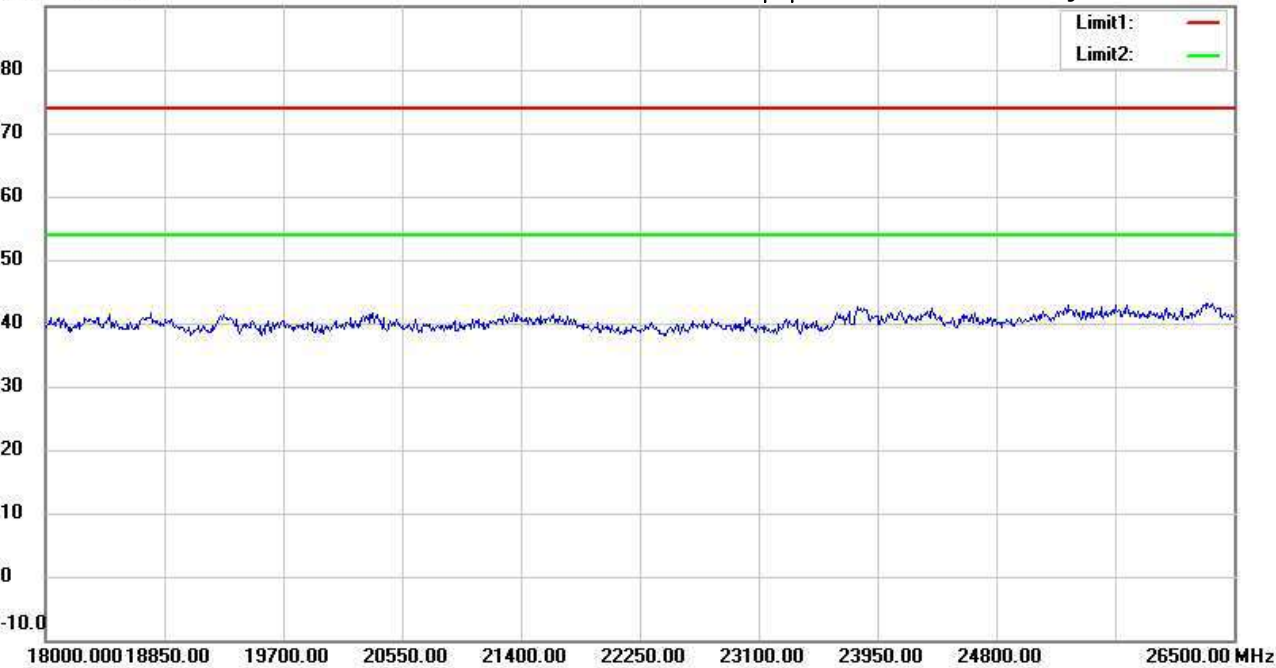
Date: 2024/5/29

Temperature:26.2 °C

90.0 dBuV/m

Time: 下午 03:19:42

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC\_part 15 RE-Class C\_Above 1GHz\_PK

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|

\*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Jeff

File :BandEdge

Data :#1

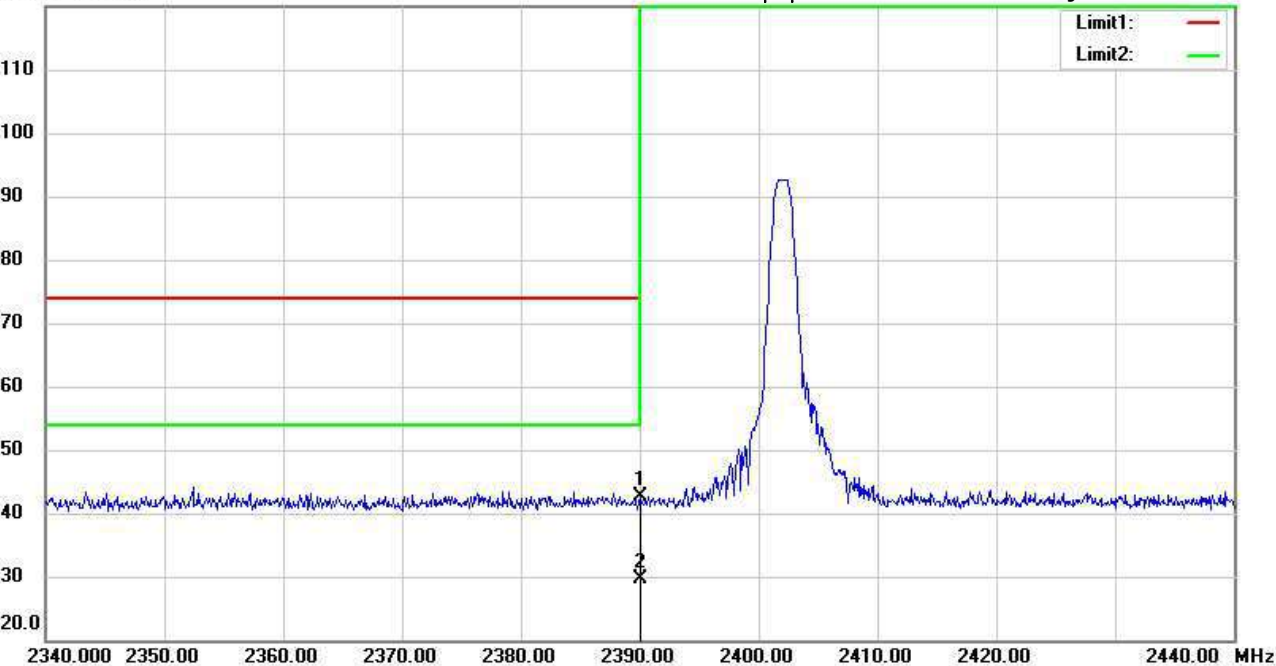
Date: 2024/5/29

Temperature:26.2 °C

120.0 dBuV/m

Time: 下午 02:57:51

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 2390.000        | 47.55          | peak     | -4.97               | 42.58           | 74.00          | 150          | 86             | -31.42      |         |
| *   | 2390.000        | 34.56          | AVG      | -4.97               | 29.59           | 54.00          | 150          | 86             | -24.41      |         |



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City  
Tel:+886-2-2646-1508  
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :BandEdge

Data :#2

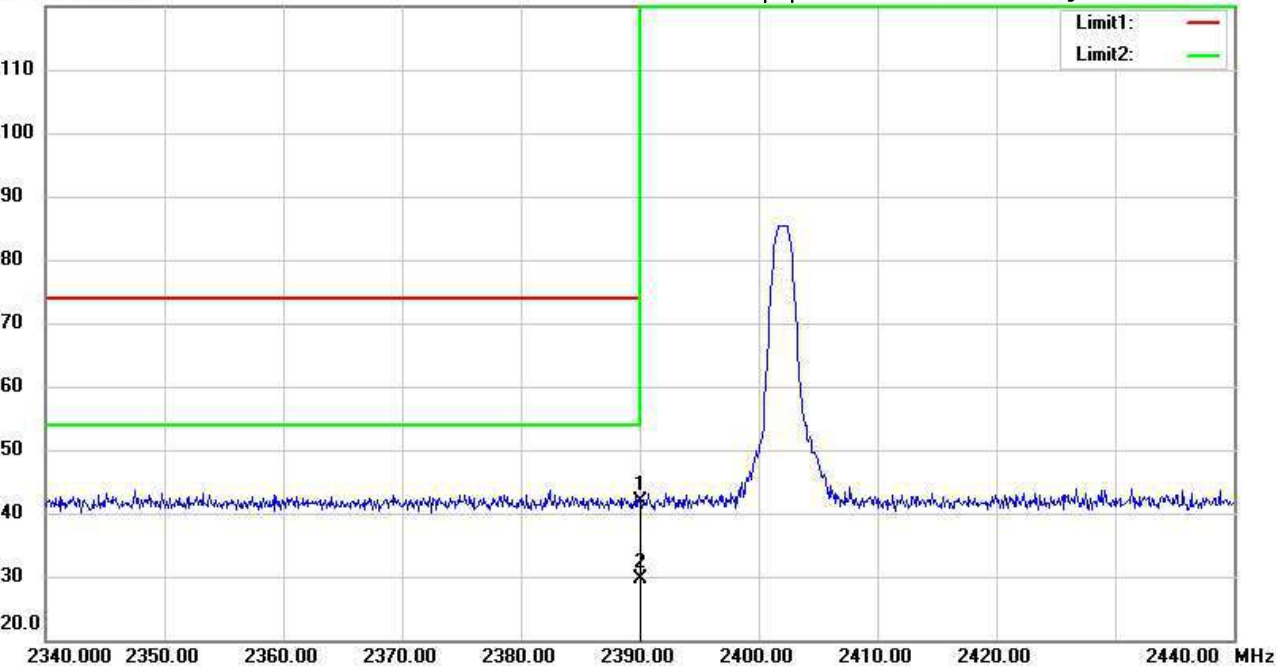
Date: 2024/5/29

Temperature:26.2 °C

120.0 dBuV/m

Time: 下午 02:54:10

Humidity:57.1 %



Site : 966A Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22405-23454

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 2390.000        | 46.77          | peak     | -4.97               | 41.80           | 74.00          | 150          | 189            | -32.20      |         |
| *   | 2390.000        | 34.48          | AVG      | -4.97               | 29.51           | 54.00          | 150          | 189            | -24.49      |         |

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
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Fax: +886-2-2646-1533

# Radiated Emission Measurement

Operator: Jeff

File: BandEdge

Data: #1

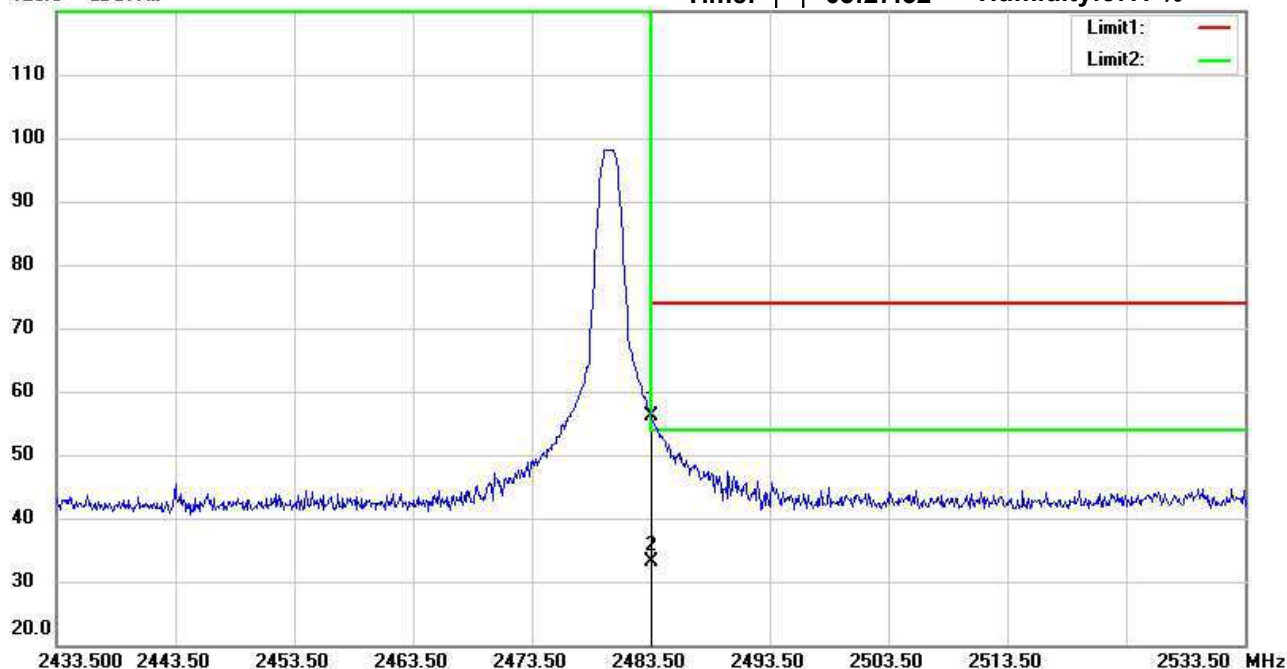
Date: 2024/5/29

Temperature: 26.2 °C

120.0 dBuV/m

Time: 下午 03:27:32

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
| *   | 2483.500        | 61.17          | peak     | -4.92               | 56.25           | 74.00          | 150          | 140            | -17.75      |         |
|     | 2483.500        | 38.05          | AVG      | -4.92               | 33.13           | 54.00          | 150          | 140            | -20.87      |         |

\*:Maximum data    x:Over limit    !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City  
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# Radiated Emission Measurement

Operator: Jeff

File : BandEdge

Data : #2

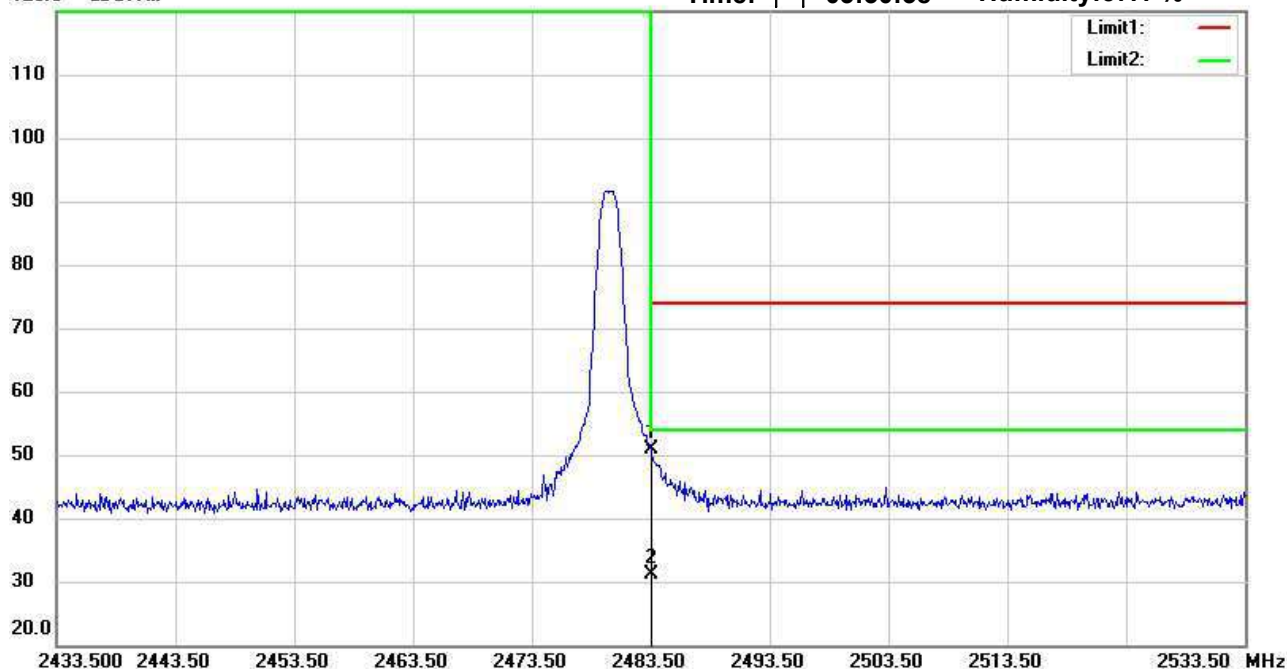
Date: 2024/5/29

Temperature: 26.2 °C

120.0 dBuV/m

Time: 下午 03:30:38

Humidity: 57.1 %



Site : 966A Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22405-23454

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|----------------|----------|---------------------|-----------------|----------------|--------------|----------------|-------------|---------|
|     | 2483.500        | 55.82          | peak     | -4.92               | 50.90           | 74.00          | 150          | 200            | -23.10      |         |
| *   | 2483.500        | 35.98          | AVG      | -4.92               | 31.06           | 54.00          | 150          | 200            | -22.94      |         |

\*:Maximum data    x:Over limit    !:over margin