



# FCC Radio Test Report

## FCC ID: 2AUCY-V2543A

This report concerns: Original Grant

**Project No.** : 2602C252A  
**Equipment** : Mobile Phone  
**Brand Name** : vivo  
**Model Name** : V2543  
**Applicant** : vivo Mobile Communication Co., Ltd.  
**Address** : No.1, vivo Road, Chang'an, Dongguan, Guangdong, China  
**Manufacturer** : vivo Mobile Communication Co., Ltd.  
**Address** : No.1, vivo Road, Chang'an, Dongguan, Guangdong, China  
**Date of Receipt** : Jun. 15, 2026  
**Date of Test** : Jun. 16, 2026 ~ Jul. 23, 2026  
**Issued Date** : Jul. 28, 2026  
**Test Sample** : Engineering Sample No.: DG92026061552 for radiated,  
DG92026061553 for output power.  
**Standard(s)** : FCC CFR Title 47, Part 15, Subpart C  
FCC CFR Title 47, Part 15, Subpart E

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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### **Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacturer's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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**BTL's** laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

### **Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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### REVISION HISTORY

| Report No.            | Version | Description                                                                                                                                                                              | Issued Date   | Note    |
|-----------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|
| BTL-FCCP-12-2602C252A | R00     | Original Report.                                                                                                                                                                         | Jul. 24, 2026 | Invalid |
| BTL-FCCP-12-2602C252A | R01     | This report Only add descriptions on page 13. It is a revision of the report BTL-FCCP-12-2602C252A R00. This is a newly released report, replacing the BTL-FCCP-12-2602C252A R00 report. | Jul. 28, 2026 | Valid   |

## 1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standard:

ANSI C63.10-2020

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

KDB 558074 D01 15.247 Meas Guidance v05r02

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

### For BT

| FCC CFR Title 47, Part 15, Subpart C |                      |             |          |        |
|--------------------------------------|----------------------|-------------|----------|--------|
| Standard(s) Section                  | Test Item            | Test Result | Judgment | Remark |
| 15.247(d)<br>15.205(a)<br>15.209(a)  | Radiated Emission    | APPENDIX A  | PASS     | -----  |
| 15.247(a)(1)                         | Maximum Output Power | APPENDIX B  | PASS     | -----  |

### For LE & 2.4GHz WIFI

| FCC CFR Title 47, Part 15, Subpart C |                      |             |          |        |
|--------------------------------------|----------------------|-------------|----------|--------|
| Standard(s) Section                  | Test Item            | Test Result | Judgment | Remark |
| 15.247(d)<br>15.205(a)<br>15.209(a)  | Radiated Emissions   | APPENDIX A  | PASS     | -----  |
| 15.247(b)(3)                         | Maximum Output Power | APPENDIX B  | PASS     | -----  |

### For 5GHz WIFI

| FCC CFR Title 47, Part 15, Subpart E |                      |             |          |        |
|--------------------------------------|----------------------|-------------|----------|--------|
| Standard(s) Section                  | Test Item            | Test Result | Judgment | Remark |
| 15.407(b)<br>15.205(a)<br>15.209(a)  | Radiated Emissions   | APPENDIX A  | PASS     | -----  |
| 15.407(a)                            | Maximum Output Power | APPENDIX B  | PASS     | -----  |

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

## 2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

### A. Radiated emissions test:

| Test Site        | Method | Measurement Frequency Range | U,(dB) |
|------------------|--------|-----------------------------|--------|
| DGDLCB03<br>(3m) | CISPR  | 1GHz ~ 6GHz                 | 4.16   |
|                  |        | 6GHz ~ 18GHz                | 4.74   |

### B. Other Measurement test:

| Test Item            | Uncertainty |
|----------------------|-------------|
| Maximum Output Power | 1.3 dB      |
| Temperature          | 0.7 °C      |
| Humidity             | 1.7 %       |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

## 2.3 TEST ENVIRONMENT CONDITIONS

| Test Item                             | Temperature | Humidity | Test Voltage | Tested By  |
|---------------------------------------|-------------|----------|--------------|------------|
| Radiated Emissions<br>-Above 1000 MHz | 24°C        | 47%      | AC 120V/60Hz | Torin Long |
|                                       | 25°C        | 50%      | AC 120V/60Hz | Torin Long |
| Maximum Output Power                  | 24-26°C     | 54%      | AC 120V/60Hz | Alex Yin   |

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

|                                   |                                                                                                                                          |                                                                                                                                       |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Equipment                         | Mobile Phone                                                                                                                             |                                                                                                                                       |
| Brand Name                        | vivo                                                                                                                                     |                                                                                                                                       |
| Test Model                        | V2543                                                                                                                                    |                                                                                                                                       |
| Model Name                        | V2543                                                                                                                                    |                                                                                                                                       |
| Model Difference(s)               | N/A                                                                                                                                      |                                                                                                                                       |
| Hardware Version                  | MP_0.1                                                                                                                                   |                                                                                                                                       |
| Software Version                  | PD2533F_EX_A_w.x.y.z.W30                                                                                                                 |                                                                                                                                       |
| Power Source                      | 1# DC voltage supplied from AC adapter.<br>2# Supplied from battery.<br>3# Supplied from USB port.                                       |                                                                                                                                       |
| Power Rating                      | 1# I/P: 100-240V~ 50/60Hz, 1.1A<br>O/P: 5V $\equiv$ 3A OR 9V $\equiv$ 2A OR 11V $\equiv$ 4A<br>2# DC 3.92V, 7060mAh, 27.68Wh<br>3# DC 5V |                                                                                                                                       |
| Operation Frequency Band(s)       | BT                                                                                                                                       | 2402 MHz ~ 2480 MHz                                                                                                                   |
|                                   | LE                                                                                                                                       | 2402 MHz ~ 2480 MHz                                                                                                                   |
|                                   | 2.4GHz WIFI                                                                                                                              | 2412 MHz ~ 2462 MHz                                                                                                                   |
|                                   | 5GHz WIFI                                                                                                                                | UNII-1: 5150 MHz ~ 5250 MHz<br>UNII-2A: 5250 MHz ~ 5350 MHz<br>UNII-2C: 5470 MHz ~ 5725 MHz<br>UNII-3: 5725 MHz ~ 5850 MHz            |
| Modulation Type                   | BT                                                                                                                                       | GFSK, $\pi$ /4-DQPSK, 8-DPSK                                                                                                          |
|                                   | LE                                                                                                                                       | GFSK                                                                                                                                  |
|                                   | 2.4GHz WIFI                                                                                                                              | IEEE 802.11b: DSSS<br>IEEE 802.11g/n: OFDM<br>IEEE vht: 256QAM                                                                        |
|                                   | 5GHz WIFI                                                                                                                                | IEEE 802.11a/n/ac: OFDM                                                                                                               |
| Bit Rate of Transmitter           | BT                                                                                                                                       | 1Mbps, 2Mbps, 3Mbps                                                                                                                   |
|                                   | LE                                                                                                                                       | 1Mbps, 2Mbps                                                                                                                          |
|                                   | 2.4GHz WIFI                                                                                                                              | IEEE 802.11b: 11/5.5/2/1 Mbps<br>IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps<br>IEEE 802.11n: up to 150 Mbps<br>IEEE vht: up to 200 Mbps |
|                                   | 5GHz WIFI                                                                                                                                | IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps<br>IEEE 802.11n: up to 150 Mbps<br>IEEE 802.11ac: up to 433.3 Mbps                           |
| Maximum Output Power_ BT          | 1Mbps: 11.89 dBm (0.0155 W)                                                                                                              |                                                                                                                                       |
| Maximum Output Power_ LE          | 1Mbps: 8.02 dBm (0.0063 W)                                                                                                               |                                                                                                                                       |
| Maximum Output Power_ 2.4GHz WIFI | IEEE 802.11g: 18.23 dBm (0.0665 W)                                                                                                       |                                                                                                                                       |
| Maximum Output Power_ 5GHz WIFI   | IEEE 802.11a: 17.06 dBm (0.0508 W)                                                                                                       |                                                                                                                                       |

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

## 2. Channel List:

### For BT:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|---------|-----------------|
| 00      | 2402            | 27      | 2429            | 54      | 2456            |
| 01      | 2403            | 28      | 2430            | 55      | 2457            |
| 02      | 2404            | 29      | 2431            | 56      | 2458            |
| 03      | 2405            | 30      | 2432            | 57      | 2459            |
| 04      | 2406            | 31      | 2433            | 58      | 2460            |
| 05      | 2407            | 32      | 2434            | 59      | 2461            |
| 06      | 2408            | 33      | 2435            | 60      | 2462            |
| 07      | 2409            | 34      | 2436            | 61      | 2463            |
| 08      | 2410            | 35      | 2437            | 62      | 2464            |
| 09      | 2411            | 36      | 2438            | 63      | 2465            |
| 10      | 2412            | 37      | 2439            | 64      | 2466            |
| 11      | 2413            | 38      | 2440            | 65      | 2467            |
| 12      | 2414            | 39      | 2441            | 66      | 2468            |
| 13      | 2415            | 40      | 2442            | 67      | 2469            |
| 14      | 2416            | 41      | 2443            | 68      | 2470            |
| 15      | 2417            | 42      | 2444            | 69      | 2471            |
| 16      | 2418            | 43      | 2445            | 70      | 2472            |
| 17      | 2419            | 44      | 2446            | 71      | 2473            |
| 18      | 2420            | 45      | 2447            | 72      | 2474            |
| 19      | 2421            | 46      | 2448            | 73      | 2475            |
| 20      | 2422            | 47      | 2449            | 74      | 2476            |
| 21      | 2423            | 48      | 2450            | 75      | 2477            |
| 22      | 2424            | 49      | 2451            | 76      | 2478            |
| 23      | 2425            | 50      | 2452            | 77      | 2479            |
| 24      | 2426            | 51      | 2453            | 78      | 2480            |
| 25      | 2427            | 52      | 2454            |         |                 |
| 26      | 2428            | 53      | 2455            |         |                 |

### For LE:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 00      | 2402            | 20      | 2442            |
| 01      | 2404            | 21      | 2444            |
| 02      | 2406            | 22      | 2446            |
| 03      | 2408            | 23      | 2448            |
| 04      | 2410            | 24      | 2450            |
| 05      | 2412            | 25      | 2452            |
| 06      | 2414            | 26      | 2454            |
| 07      | 2416            | 27      | 2456            |
| 08      | 2418            | 28      | 2458            |
| 09      | 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 2.4GHz WIFI:**

| CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20), IEEE vht20 |                 |         |                 |         |                 |         |                 |
|----------------------------------------------------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| CH03 - CH09 for IEEE 802.11n(HT40), IEEE vht40                             |                 |         |                 |         |                 |         |                 |
| Channel                                                                    | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 01                                                                         | 2412            | 04      | 2427            | 07      | 2442            | 10      | 2457            |
| 02                                                                         | 2417            | 05      | 2432            | 08      | 2447            | 11      | 2462            |
| 03                                                                         | 2422            | 06      | 2437            | 09      | 2452            |         |                 |

**For 5GHz WIFI:**

| IEEE 802.11a<br>IEEE 802.11n(HT20)<br>IEEE 802.11ac(VHT20) |                 | IEEE 802.11n(HT40)<br>IEEE 802.11ac(VHT40) |                 | IEEE 802.11ac(VHT80) |                 |
|------------------------------------------------------------|-----------------|--------------------------------------------|-----------------|----------------------|-----------------|
| UNII-1                                                     |                 | UNII-1                                     |                 | UNII-1               |                 |
| Channel                                                    | Frequency (MHz) | Channel                                    | Frequency (MHz) | Channel              | Frequency (MHz) |
| 36                                                         | 5180            | 38                                         | 5190            | 42                   | 5210            |
| 40                                                         | 5200            | 46                                         | 5230            |                      |                 |
| 44                                                         | 5220            |                                            |                 |                      |                 |
| 48                                                         | 5240            |                                            |                 |                      |                 |

| IEEE 802.11a<br>IEEE 802.11n(HT20)<br>IEEE 802.11ac(VHT20) |                 | IEEE 802.11n(HT40)<br>IEEE 802.11ac(VHT40) |                 | IEEE 802.11ac(VHT80) |                 |
|------------------------------------------------------------|-----------------|--------------------------------------------|-----------------|----------------------|-----------------|
| UNII-2A                                                    |                 | UNII-2A                                    |                 | UNII-2A              |                 |
| Channel                                                    | Frequency (MHz) | Channel                                    | Frequency (MHz) | Channel              | Frequency (MHz) |
| 52                                                         | 5260            | 54                                         | 5270            | 58                   | 5290            |
| 56                                                         | 5280            | 62                                         | 5310            |                      |                 |
| 60                                                         | 5300            |                                            |                 |                      |                 |
| 64                                                         | 5320            |                                            |                 |                      |                 |

| IEEE 802.11a<br>IEEE 802.11n(HT20)<br>IEEE 802.11ac(VHT20) |                 | IEEE 802.11n(HT40)<br>IEEE 802.11ac(VHT40) |                 | IEEE 802.11ac(VHT80) |                 |
|------------------------------------------------------------|-----------------|--------------------------------------------|-----------------|----------------------|-----------------|
| UNII-2C                                                    |                 | UNII-2C                                    |                 | UNII-2C              |                 |
| Channel                                                    | Frequency (MHz) | Channel                                    | Frequency (MHz) | Channel              | Frequency (MHz) |
| 100                                                        | 5500            | 102                                        | 5510            | 106                  | 5530            |
| 104                                                        | 5520            | 110                                        | 5550            | 122                  | 5610            |
| 108                                                        | 5540            | 118                                        | 5590            |                      |                 |
| 112                                                        | 5560            | 126                                        | 5630            |                      |                 |
| 116                                                        | 5580            | 134                                        | 5670            |                      |                 |
| 120                                                        | 5600            |                                            |                 |                      |                 |
| 124                                                        | 5620            |                                            |                 |                      |                 |
| 128                                                        | 5640            |                                            |                 |                      |                 |
| 132                                                        | 5660            |                                            |                 |                      |                 |
| 136                                                        | 5680            |                                            |                 |                      |                 |
| 140                                                        | 5700            |                                            |                 |                      |                 |

| IEEE 802.11a<br>IEEE 802.11n(HT20)<br>IEEE 802.11ac(VHT20) |                 | IEEE 802.11n(HT40)<br>IEEE 802.11ac(VHT40) |                 | IEEE 802.11ac(VHT80) |                 |
|------------------------------------------------------------|-----------------|--------------------------------------------|-----------------|----------------------|-----------------|
| UNII-3                                                     |                 | UNII-3                                     |                 | UNII-3               |                 |
| Channel                                                    | Frequency (MHz) | Channel                                    | Frequency (MHz) | Channel              | Frequency (MHz) |
| 149                                                        | 5745            | 151                                        | 5755            | 155                  | 5775            |
| 153                                                        | 5765            | 159                                        | 5795            |                      |                 |
| 157                                                        | 5785            |                                            |                 |                      |                 |
| 161                                                        | 5805            |                                            |                 |                      |                 |
| 165                                                        | 5825            |                                            |                 |                      |                 |

### 3. Antenna Specification:

#### For BT&LE&2.4G WIFI:

| Ant. | Manufacturer                                       | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|----------------------------------------------------|------------|--------------|-----------|------------|
| 1    | Kunshan Innwave Communication Technology Co., Ltd. | Ant 22#    | PIFA         | N/A       | 0.2        |

#### For 5GHz WIFI:

| Ant. | Manufacturer                                       | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|----------------------------------------------------|------------|--------------|-----------|------------|
| 1    | Kunshan Innwave Communication Technology Co., Ltd. | Ant 22#    | PIFA         | N/A       | 1.6        |

### 4. The EUT contains following accessory devices:

| Items       | Trademark | Model Name   | Description                                                                                    |
|-------------|-----------|--------------|------------------------------------------------------------------------------------------------|
| Adapter     | vivo      | V4440L0A0-US | I/P: 100-240V~ 50/60Hz, 1.1A<br>O/P: 5V <u>===</u> 3A OR 9V <u>===</u> 2A OR 11V <u>===</u> 4A |
| Battery     | vivo      | BB45         | DC 3.92V, 7060mAh, 27.68Wh                                                                     |
| USB-C Cable | vivo      | BK-C-49-B    | -                                                                                              |

### 3.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode            | Description                            |
|-------------------------|----------------------------------------|
| <b>For BT:</b>          |                                        |
| Mode 1                  | TX Mode_1Mbps Channel 00               |
| Mode 2                  | TX Mode_1Mbps Channel 78               |
| <b>For LE:</b>          |                                        |
| Mode 3                  | TX Mode_1Mbps Channel 39               |
| Mode 4                  | TX Mode_2Mbps Channel 00               |
| <b>For 2.4GHz WIFI:</b> |                                        |
| Mode 5                  | TX B Mode Channel 01                   |
| Mode 6                  | TX G Mode Channel 06                   |
| <b>For 5GHz WIFI:</b>   |                                        |
| Mode 7                  | TX A Mode Channel 116 (UNII-2C)        |
| Mode 8                  | TX AC(VHT20) Mode Channel 157 (UNII-3) |

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

| Radiated Emissions Test – Above 1 GHz |                                        |
|---------------------------------------|----------------------------------------|
| Final Test Mode                       | Description                            |
| <b>For BT:</b>                        |                                        |
| Mode 1                                | TX Mode_1Mbps Channel 00               |
| <b>For LE:</b>                        |                                        |
| Mode 4                                | TX Mode_2Mbps Channel 00               |
| <b>For 2.4GHz WIFI:</b>               |                                        |
| Mode 5                                | TX B Mode Channel 01                   |
| <b>For 5GHz WIFI:</b>                 |                                        |
| Mode 8                                | TX AC(VHT20) Mode Channel 157 (UNII-3) |

| Maximum Output Power Test |                                 |
|---------------------------|---------------------------------|
| Final Test Mode           | Description                     |
| <b>For BT:</b>            |                                 |
| Mode 2                    | TX Mode_1Mbps Channel 78        |
| <b>For LE:</b>            |                                 |
| Mode 3                    | TX Mode_1Mbps Channel 39        |
| <b>For 2.4GHz WIFI:</b>   |                                 |
| Mode 6                    | TX G Mode Channel 06            |
| <b>For 5GHz WIFI:</b>     |                                 |
| Mode 7                    | TX A Mode Channel 116 (UNII-2C) |

#### Variant Summary

Parent device (Model:V2543): FCC ID:2AUCY-V2543

Variant Device (Model:V2543): FCC ID:2AUCY-V2543A

Key Differences:

The variant device added an NFC transmitter component based on the parent device, and the parent PCB layout reserves the design for NFC, while all other aspects remain unchanged.

#### Data Referencing(KDB Publication 484596)

The Data Referencing is applied for the following tests: Radiated Spurious Emissions and Maximum Output Power spot check of the worst case for variant FCC ID 2AUCY-V2543A.

Remark: The difference between the test results of the variant device and the parent device is within 3 dB, which meets the requirements for referencing test data of the parent device. The details as below:

| Test                                                     | Reference Worst-Case                                                                                                                                | Variant Test                                                                                                                                      | dB Difference                                                                                 | Spot-Check Parameters   | Pass Criterion                                      |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------|
| Radiated Emission<br>15.247(d)<br>15.205(a)<br>15.209(a) | <b>For BT:</b><br>2402 MHz ~ 2480 MHz<br>R <sub>dB</sub> =38.67dBuV/m<br><br><b>For BLE:</b><br>2402 MHz ~ 2480 MHz<br>R <sub>dB</sub> =40.78dBuV/m | <b>For BT:</b><br>2402 MHz ~ 2480MHz<br>V <sub>dB</sub> =36.05dBuV/m<br><br><b>For BLE:</b><br>2402 MHz ~ 2480MHz<br>R <sub>dB</sub> =38.41dBuV/m | <b>For BT:</b><br>d <sub>dB</sub> =2.62 dB<br><br><b>For BLE:</b><br>d <sub>dB</sub> =2.37 dB | d <sub>dBmax</sub> =3dB | d <sub>dB</sub> <<br>d <sub>dBmax</sub><br><br>Pass |
| Radiated Emission<br>15.247(d)<br>15.205(a)<br>15.209(a) | <b>For 2.4G WIFI:</b><br>2412 MHz ~ 2462 MHz<br>R <sub>dB</sub> =36.72dBuV/m                                                                        | <b>For 2.4G WIFI:</b><br>2412 MHz ~ 2462MHz<br>V <sub>dB</sub> =33.96dBuV/m                                                                       | d <sub>dB</sub> =2.76dB                                                                       | d <sub>dBmax</sub> =3dB | ddB<<br>d <sub>dBmax</sub><br><br>Pass              |
| Radiated Emission<br>15.407(b)                           | <b>For 5G WIFI:</b><br>5150 MHz ~ 5250 MHz<br>5250 MHz ~ 5350 MHz<br>5470 MHz ~ 5725 MHz<br>5725 MHz ~ 5850 MHz<br>R <sub>dB</sub> =38.46dBuV/m     | <b>For 5G WIFI:</b><br>5150 MHz ~ 5250 MHz<br>5250 MHz ~ 5350 MHz<br>5470 MHz ~ 5725 MHz<br>5725 MHz ~ 5850 MHz<br>V <sub>dB</sub> =36.49dBuV/m   | d <sub>dB</sub> =1.97dB                                                                       | d <sub>dBmax</sub> =3dB | ddB<<br>d <sub>dBmax</sub><br><br>Pass              |
| Maximum Output Power<br>15.247(a)(1)                     | <b>For BT:</b><br>2402 MHz ~ 2480 MHz<br>R <sub>dB</sub> =12.51dBm<br><br><b>For BLE:</b><br>2402 MHz ~ 2480 MHz<br>R <sub>dB</sub> =8.35 dBm       | <b>For BT:</b><br>2402 MHz ~ 2480MHz<br>V <sub>dB</sub> =11.89dBm<br><br><b>For BLE:</b><br>2402 MHz ~ 2480MHz<br>R <sub>dB</sub> =8.02dBm        | <b>For BT:</b><br>d <sub>dB</sub> =0.62 dB<br><br><b>For BLE:</b><br>d <sub>dB</sub> =0.33 dB | d <sub>dBmax</sub> =3dB | d <sub>dB</sub> <<br>d <sub>dBmax</sub><br><br>Pass |
| Maximum Output Power<br>15.247(a)(1)                     | <b>For 2.4G WIFI:</b><br>2412 MHz ~ 2462 MHz<br>R <sub>dB</sub> =18.92dBm                                                                           | <b>For 2.4G WIFI:</b><br>2412 MHz ~ 2462MHz<br>V <sub>dB</sub> =18.23 dBm                                                                         | d <sub>dB</sub> =0.69dB                                                                       | d <sub>dBmax</sub> =3dB | d <sub>dB</sub> <<br>d <sub>dBmax</sub><br><br>Pass |
| Radiated Emission<br>15.407(b)                           | <b>For 5G WIFI:</b><br>5150 MHz ~ 5250 MHz<br>5250 MHz ~ 5350 MHz<br>5470 MHz ~ 5725 MHz<br>5725 MHz ~ 5850 MHz<br>R <sub>dB</sub> =17.88dBm        | <b>For 5G WIFI:</b><br>5150 MHz ~ 5250 MHz<br>5250 MHz ~ 5350 MHz<br>5470 MHz ~ 5725 MHz<br>5725 MHz ~ 5850 MHz<br>V <sub>dB</sub> =17.06dBm      | d <sub>dB</sub> =0.82dB                                                                       | d <sub>dBmax</sub> =3dB | ddB<<br>d <sub>dBmax</sub><br><br>Pass              |

### 3.3 PARAMETERS OF TEST SOFTWARE

#### For BT & LE & 2.4GHz & 5GHz WIFI

|                       |      |
|-----------------------|------|
| Test Software Version | QRCT |
|-----------------------|------|

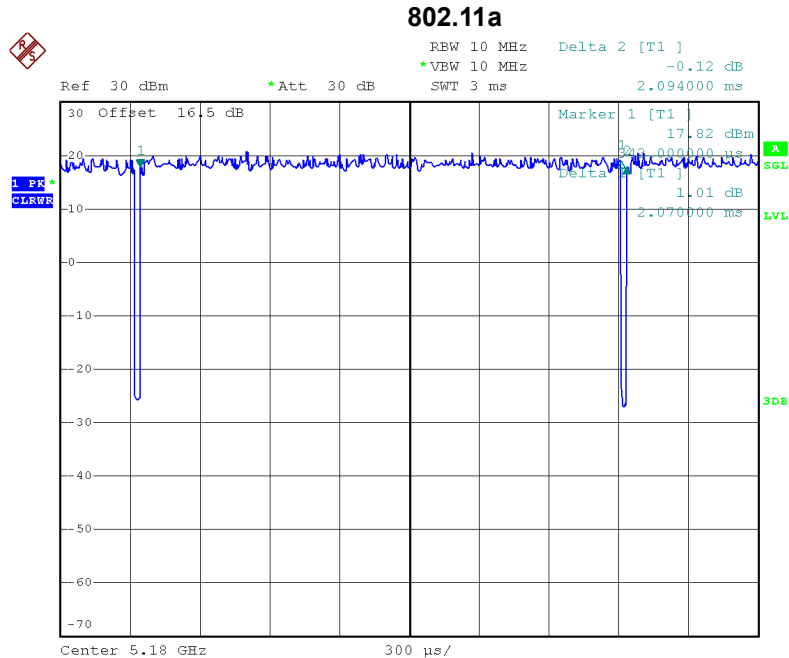
### 3.4 DUTY CYCLE

If duty cycle is  $\geq 98\%$ , duty factor is not required.

If duty cycle is  $< 98\%$ , duty factor shall be considered.

The output power = measured power + duty factor.

The power spectral density = measured power spectral density + duty factor.



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Duty cycle =  $2.070 \text{ ms} / 2.094 \text{ ms} = 98.85\%$

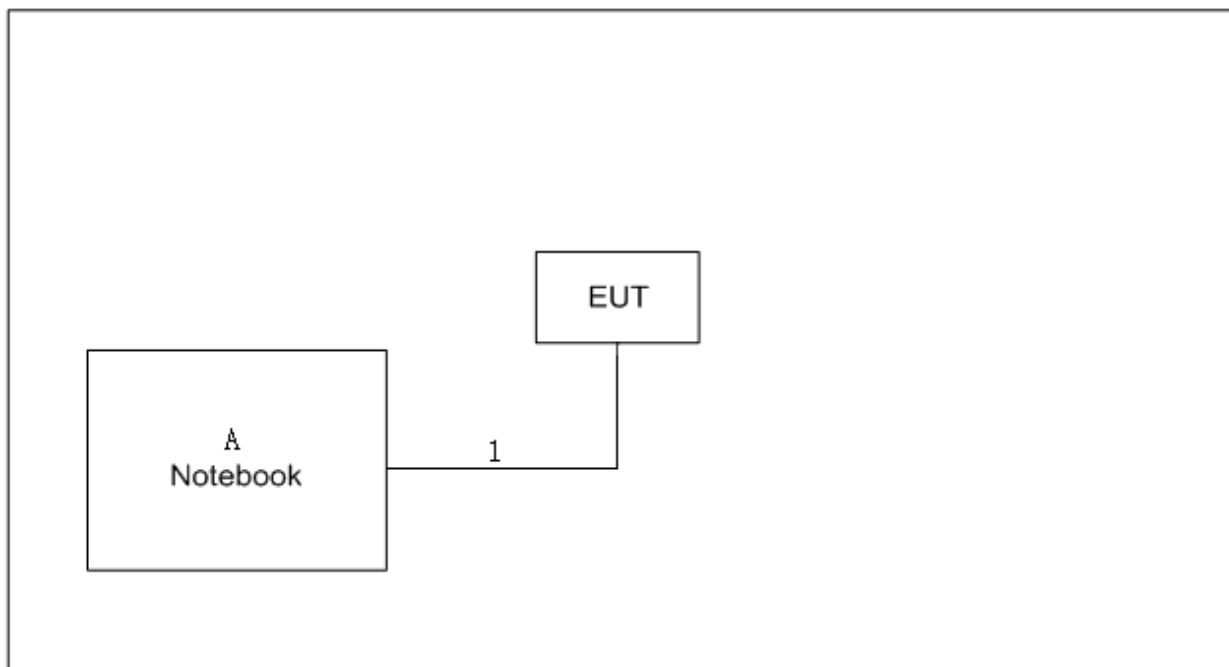
Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00 \text{ dB}$

#### NOTE:

For IEEE 802.11a:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle  $\geq 98\%$ ).

### 3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.6 SUPPORT UNITS

| Item | Equipment | Brand  | Model No. | Series No. |
|------|-----------|--------|-----------|------------|
| A    | Notebook  | HUAWEI | NbDE-WFH9 | N/A        |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| 1    | USB Cable  | NO            | NO           | 1.5m   |

### 3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain is provided by the manufacturer.
- 2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

## 4. RADIATED EMISSIONS

### 4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

#### LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

| Frequency (MHz) | (dBuV/m at 3 m) |         |
|-----------------|-----------------|---------|
|                 | Peak            | Average |
| Above 1000      | 74              | 54      |

| Frequency (MHz)       | EIRP Limit (dBm/MHz) | Band edge at 3m (dBuV/m) | Harmonic at 1m (dBuV/m) |
|-----------------------|----------------------|--------------------------|-------------------------|
| 5150-5250             | -27                  | 68.2                     | 77.7 (Note 3)           |
| 5250-5350             | -27                  | 68.2                     | 77.7 (Note 3)           |
| 5470-5725             | -27                  | 68.2                     | 77.7 (Note 3)           |
| 5725-5850<br>NOTE (2) | -27                  | 68.2                     | 77.7 (Note 3)           |
|                       | 10                   | 105.2                    | 114.7 (Note 3)          |
|                       | 15.6                 | 110.8                    | 120.3 (Note 3)          |
|                       | 27                   | 122.2                    | 131.7 (Note 3)          |

#### NOTE:

- (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

- (2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (3) The tighter limit applies at the band edges.
- (4) Emission level (dBuV/m)=20log Emission level (uV/m).
- (5) The test result calculated as following:  
Measurement Value = Reading Level + Correct Factor  
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)  
Margin Level = Measurement Value - Limit Value

### 4.2 TEST PROCEDURE

- The measuring distance 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

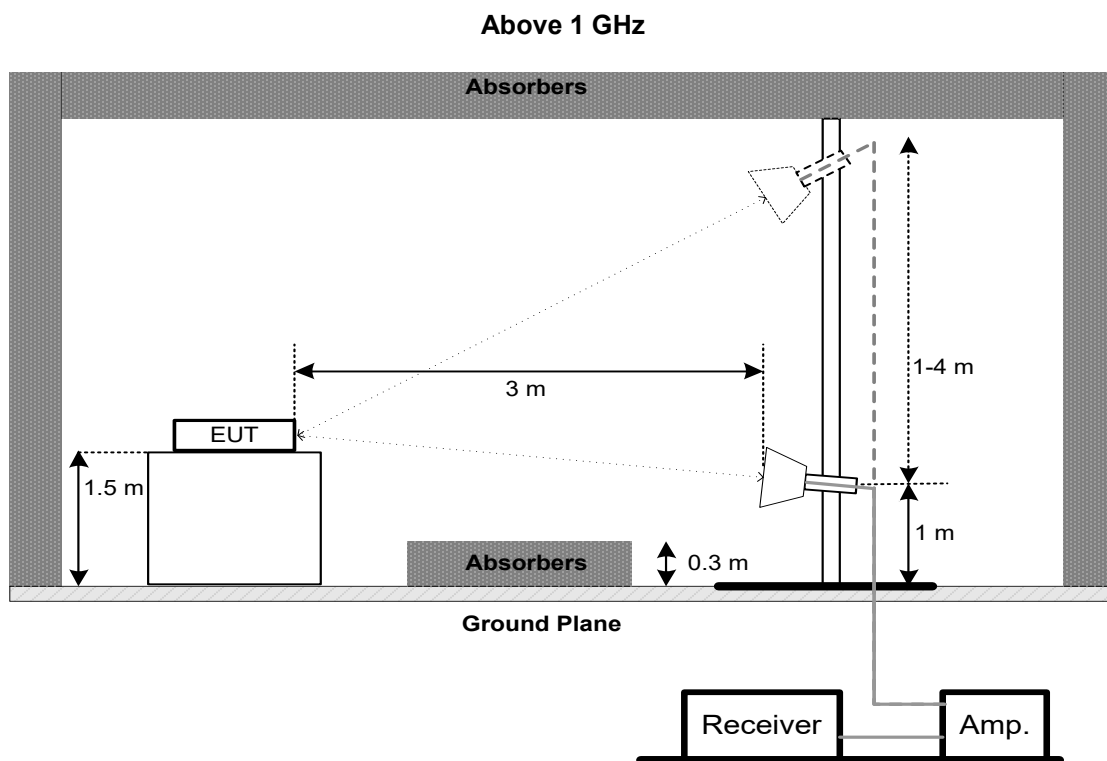
| Spectrum Parameters                        | Setting                                                    |
|--------------------------------------------|------------------------------------------------------------|
| Start Frequency                            | 1000 MHz                                                   |
| Stop Frequency                             | 10th carrier harmonic or 40 GHz, whichever is lower        |
| RBW / VBW<br>(Emission in restricted band) | 1 MHz / 3 MHz for PK value<br>1 MHz / 1/T Hz for AVG value |

| Receiver Parameters    | Setting                          |
|------------------------|----------------------------------|
| Start ~ Stop Frequency | 1 GHz~18 GHz for PK/AVG detector |

#### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.4 TEST SETUP



#### 4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

#### 4.6 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX A.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.  
For fundamental signal judgment was referred to Peak output test.

## 5. MAXIMUM OUTPUT POWER

### 5.1 LIMIT

For BT:

| Section          | Test Item            | Limit                    |
|------------------|----------------------|--------------------------|
| FCC 15.247(a)(1) | Maximum Output Power | 0.1250 Watt or 20.97 dBm |

Note: Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

For LE

| Section          | Test Item            | Limit                    |
|------------------|----------------------|--------------------------|
| FCC 15.247(b)(3) | Maximum Output Power | 1.0000 watt or 30.00 dBm |

For 2.4GHz WIFI:

| Section          | Test Item            | Limit                    |
|------------------|----------------------|--------------------------|
| FCC 15.247(b)(3) | Maximum Output Power | 1.0000 Watt or 30.00 dBm |

For 5GHz WIFI:

| Section       | Test Item            | Limit                                                           | Frequency Range (MHz) |
|---------------|----------------------|-----------------------------------------------------------------|-----------------------|
| FCC 15.407(a) | Maximum Output Power | AP device: 1 Watt (30 dBm)<br>Client device: 250 mW (23.98 dBm) | 5150-5250             |
|               |                      | 250 mW (23.98 dBm)                                              | 5250-5350             |
|               |                      | 250 mW (23.98 dBm)                                              | 5470-5725             |
|               |                      | 1 Watt (30dBm)                                                  | 5725-5850             |

Note:

- For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

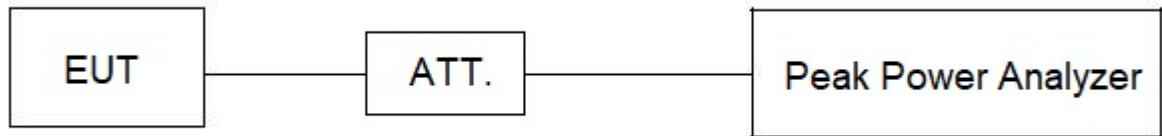
### 5.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- The test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.(For 5GHz WIFI)
- The maximum conducted output power was performed in accordance with method 11.9.2.3.1 of ANSI C63.10-2020.(For BT, LE, 2.4GHz WIFI)

### 5.3 DEVIATION FROM STANDARD

No deviation.

#### 5.4 TEST SETUP



#### 5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 5.6 TEST RESULTS

Please refer to the APPENDIX B.

## 6. MEASUREMENT INSTRUMENTS LIST

| Radiated Emissions – Above 1 GHz For BT & LE & 2.4GHz WIFI<br>(Test Date: Jun. 22, 2026 ~ Jun. 25, 2026) |                             |                  |                            |            |                  |
|----------------------------------------------------------------------------------------------------------|-----------------------------|------------------|----------------------------|------------|------------------|
| Item                                                                                                     | Kind of Equipment           | Manufacturer     | Type No.                   | Serial No. | Calibrated until |
| 1                                                                                                        | Receiver                    | Agilent          | N9038A                     | MY52130039 | Apr. 25, 2027    |
| 2                                                                                                        | Preamplifier                | EMC INSTRUMENT   | EMC118A45SE                | 980888     | Oct. 17, 2026    |
| 3                                                                                                        | Double Ridged Guide Antenna | ETS              | 3115                       | 75846      | Mar. 03, 2027    |
| 4                                                                                                        | Cable                       | RegalWay         | RWLP50-4.0A-SMS M-12.5M    | N/A        | Jun. 08, 2027    |
| 5                                                                                                        | Cable                       | RegalWay         | RWLP50-4.0A-NM RASM-2.5M   | N/A        | Jun. 08, 2027    |
| 6                                                                                                        | Cable                       | RegalWay         | RWLP50-4.0A-NM RASMRA-0.8M | N/A        | Jun. 08, 2027    |
| 7                                                                                                        | 966 Chamber room            | CM               | 9*6*6                      | N/A        | May 14, 2027     |
| 8                                                                                                        | Attenuator                  | Talent Microwave | TA10A2-S-18                | N/A        | N/A              |
| 9                                                                                                        | Positioning Controller      | MF               | MF-7802                    | N/A        | N/A              |
| 10                                                                                                       | Measurement Software        | Farad            | EZ-EMC Ver.NB-03A1-01      | N/A        | N/A              |
| 11                                                                                                       | Filter                      | STI              | STI15-9912                 | N/A        | May 16, 2027     |

| Radiated Emissions – Above 1 GHz For 5GHz WIFI<br>(Test Date: Jun. 22, 2026) |                             |                  |                            |            |                  |
|------------------------------------------------------------------------------|-----------------------------|------------------|----------------------------|------------|------------------|
| Item                                                                         | Kind of Equipment           | Manufacturer     | Type No.                   | Serial No. | Calibrated until |
| 1                                                                            | Receiver                    | Agilent          | N9038A                     | MY52130039 | Apr. 25, 2027    |
| 2                                                                            | Preamplifier                | EMC INSTRUMENT   | EMC118A45SE                | 980888     | Oct. 17, 2026    |
| 3                                                                            | Double Ridged Guide Antenna | ETS              | 3115                       | 75846      | Mar. 03, 2027    |
| 4                                                                            | Cable                       | RegalWay         | RWLP50-4.0A-SMS M-12.5M    | N/A        | Jun. 08, 2027    |
| 5                                                                            | Cable                       | RegalWay         | RWLP50-4.0A-NM RASM-2.5M   | N/A        | Jun. 08, 2027    |
| 6                                                                            | Cable                       | RegalWay         | RWLP50-4.0A-NM RASMRA-0.8M | N/A        | Jun. 08, 2027    |
| 7                                                                            | 966 Chamber room            | CM               | 9*6*6                      | N/A        | May 14, 2027     |
| 8                                                                            | Attenuator                  | Talent Microwave | TA10A2-S-18                | N/A        | N/A              |
| 9                                                                            | Positioning Controller      | MF               | MF-7802                    | N/A        | N/A              |
| 10                                                                           | Measurement Software        | Farad            | EZ-EMC Ver.NB-03A1-01      | N/A        | N/A              |
| 11                                                                           | Filter                      | STI              | STI15-9969                 | N/A        | May 16, 2027     |

| Maximum Output Power For BT & LE<br>(Test Date: (Test Date: Jun. 22, 2026) |                           |              |                   |                     |                  |
|----------------------------------------------------------------------------|---------------------------|--------------|-------------------|---------------------|------------------|
| Item                                                                       | Kind of Equipment         | Manufacturer | Type No.          | Serial No.          | Calibrated until |
| 1                                                                          | Cable                     | RegalWay     | RWP50-402-SMSM-1M | N/A                 | N/A              |
| 2                                                                          | Isolation attenuator      | Z-Link       | ASMA-10-18-2W     | N/A                 | N/A              |
| 3                                                                          | Power Measurement Unit    | Tonscend     | JS0806-2          | 806JS2X020704251007 | Apr. 25, 2027    |
| 4                                                                          | JS1120-3 RF Test Software | Tonscend     | JS0806-2          | V3.6.21             | N/A              |

| Maximum Output Power For 2.4GHz & 5GHz WIFI<br>(Test Date: (Test Date: Jun. 22, 2026) |                       |              |               |            |                  |
|---------------------------------------------------------------------------------------|-----------------------|--------------|---------------|------------|------------------|
| Item                                                                                  | Kind of Equipment     | Manufacturer | Type No.      | Serial No. | Calibrated until |
| 1                                                                                     | Peak Power Analyzer   | Keysight     | 8990B         | MY51000506 | Apr. 25, 2027    |
| 2                                                                                     | Wideband power sensor | Keysight     | N1923A        | MY58310004 | Apr. 25, 2027    |
| 3                                                                                     | Isolation attenuator  | Z-Link       | ASMA-10-18-2W | N/A        | N/A              |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

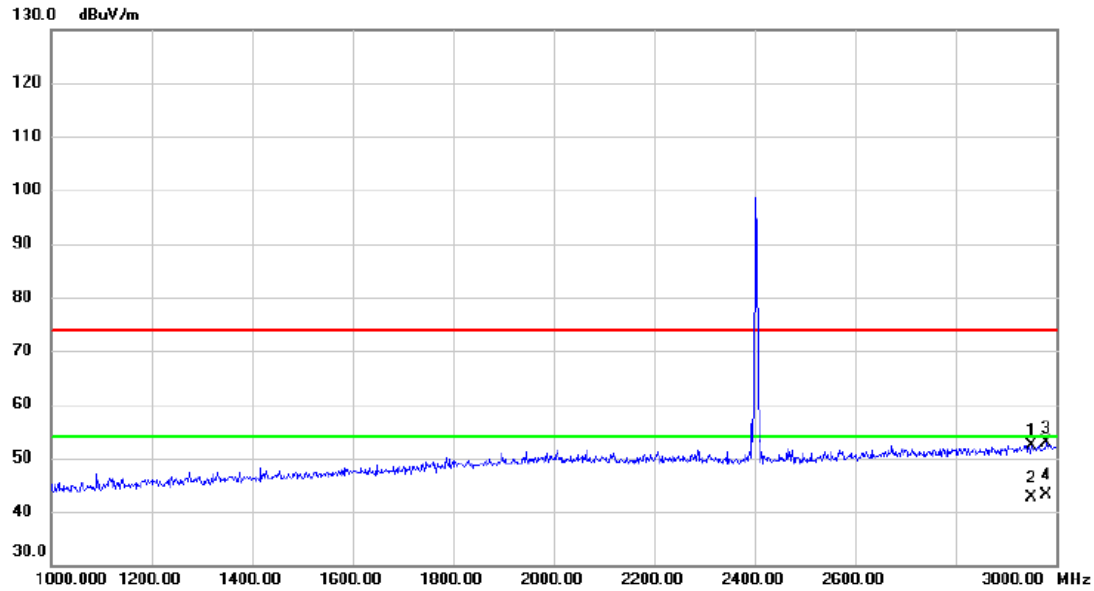
All calibration period of equipment list is one year.

## **APPENDIX A - RADIATED EMISSION - ABOVE 1000 MHZ**

**The worst case:**

**For BT**

|           |                        |              |            |
|-----------|------------------------|--------------|------------|
| Test Mode | TX 2402 MHz_CH00_1Mbps | Polarization | Horizontal |
|-----------|------------------------|--------------|------------|

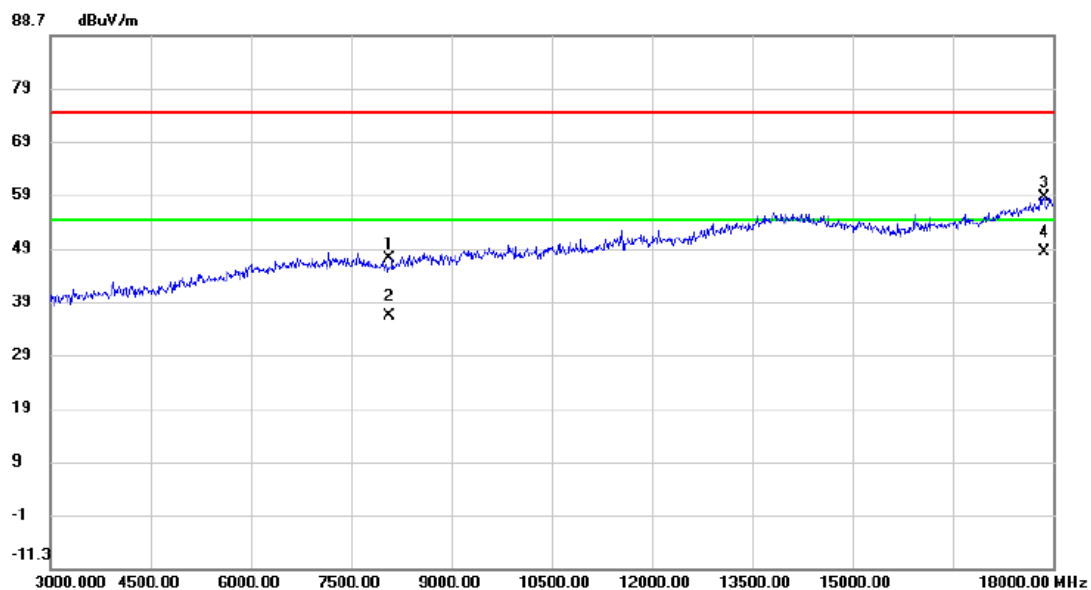


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 2950.000     | 43.05                    | 9.40                    | 52.45                      | 74.00           | -21.55       | peak     |         |
| 2   |     | 2950.000     | 33.23                    | 9.40                    | 42.63                      | 54.00           | -11.37       | AVG      |         |
| 3   |     | 2980.000     | 43.37                    | 9.56                    | 52.93                      | 74.00           | -21.07       | peak     |         |
| 4   | *   | 2980.000     | 33.57                    | 9.56                    | 43.13                      | 54.00           | -10.87       | AVG      |         |

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                        |              |            |
|-----------|------------------------|--------------|------------|
| Test Mode | TX 2402 MHz_CH00_1Mbps | Polarization | Horizontal |
|-----------|------------------------|--------------|------------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 8070.000     | 38.99                    | 7.96                    | 46.95                      | 74.00           | -27.05       | peak     |         |
| 2   |     | 8070.000     | 28.09                    | 7.96                    | 36.05                      | 54.00           | -17.95       | AVG      |         |
| 3   |     | 17865.000    | 43.21                    | 15.12                   | 58.33                      | 74.00           | -15.67       | peak     |         |
| 4 * |     | 17865.000    | 33.08                    | 15.12                   | 48.20                      | 54.00           | -5.80        | AVG      |         |

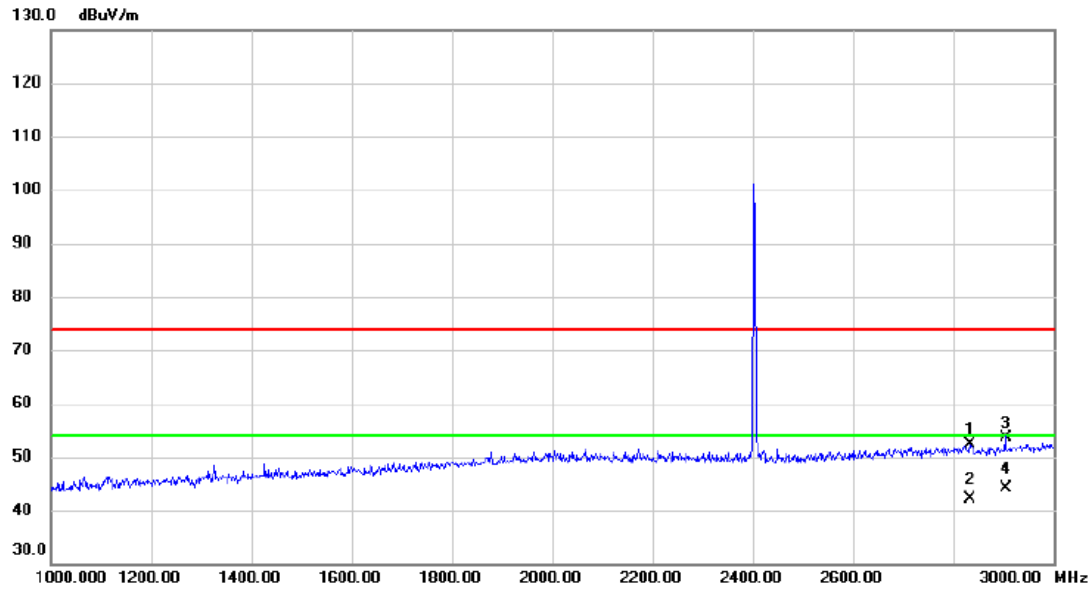
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

## For LE

|           |                        |              |            |
|-----------|------------------------|--------------|------------|
| Test Mode | TX 2402 MHz_CH00_2Mbps | Polarization | Horizontal |
|-----------|------------------------|--------------|------------|

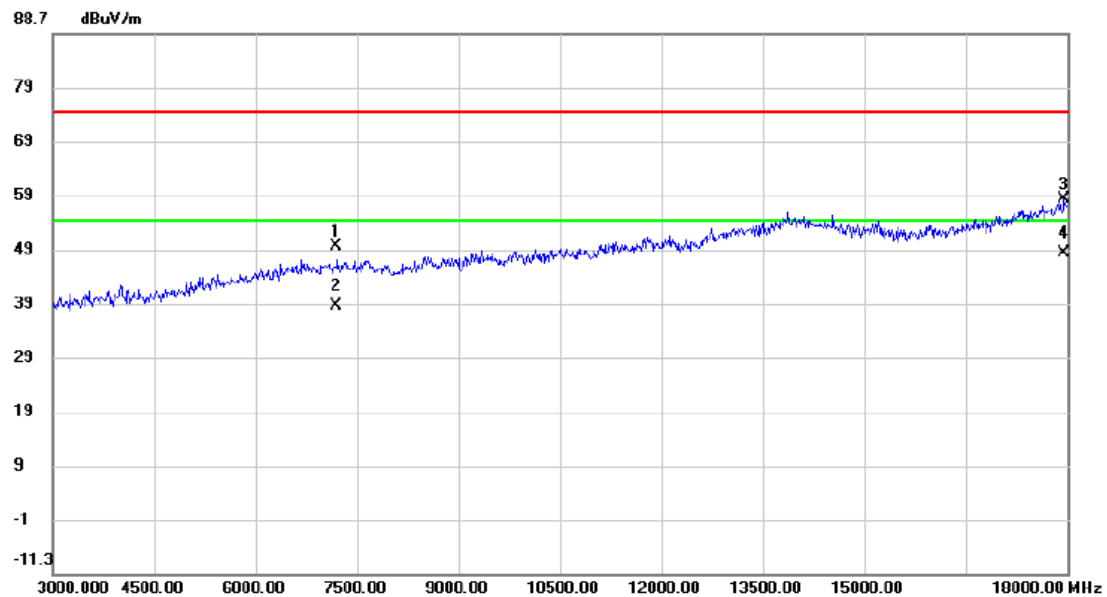


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 2832.000     | 43.56                    | 8.79                    | 52.35                      | 74.00           | -21.65       | peak     |         |
| 2   |     | 2832.000     | 33.23                    | 8.79                    | 42.02                      | 54.00           | -11.98       | AVG      |         |
| 3   |     | 2904.000     | 44.59                    | 9.16                    | 53.75                      | 74.00           | -20.25       | peak     |         |
| 4 * |     | 2904.000     | 34.85                    | 9.16                    | 44.01                      | 54.00           | -9.99        | AVG      |         |

### REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                        |              |            |
|-----------|------------------------|--------------|------------|
| Test Mode | TX 2402 MHz_CH00_2Mbps | Polarization | Horizontal |
|-----------|------------------------|--------------|------------|



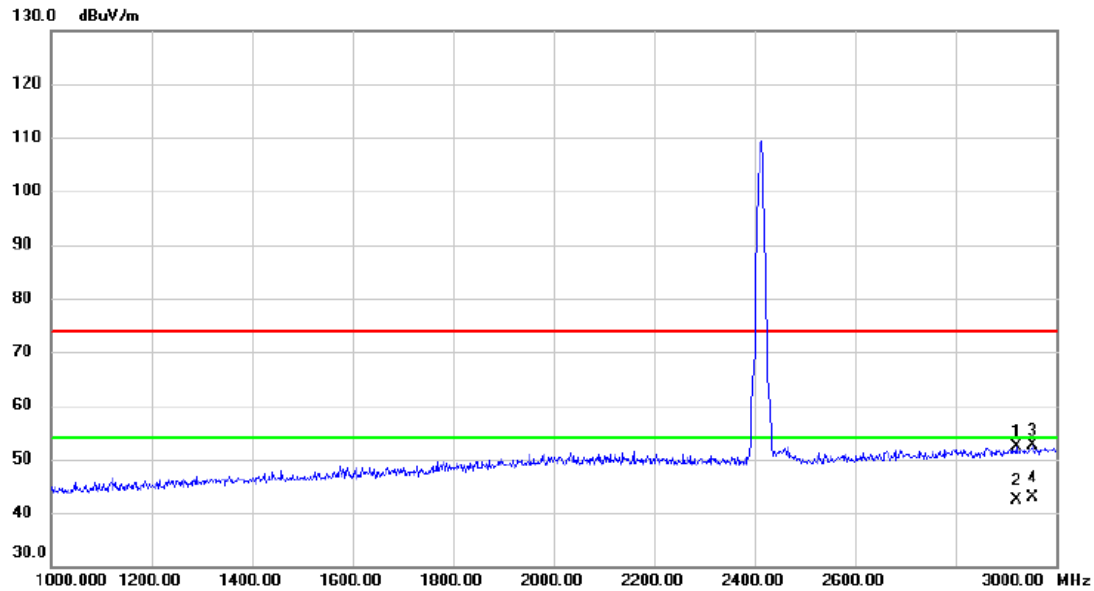
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 7197.940     | 40.63                    | 8.63                    | 49.26                      | 74.00           | -24.74       | peak     |         |
| 2   |     | 7198.990     | 29.78                    | 8.63                    | 38.41                      | 54.00           | -15.59       | AVG      |         |
| 3   |     | 17955.000    | 42.73                    | 15.30                   | 58.03                      | 74.00           | -15.97       | peak     |         |
| 4   | *   | 17955.000    | 32.77                    | 15.30                   | 48.07                      | 54.00           | -5.93        | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## For 2.4GHz WIFI

|           |                    |              |            |
|-----------|--------------------|--------------|------------|
| Test Mode | TX B Mode 2412 MHz | Polarization | Horizontal |
|-----------|--------------------|--------------|------------|

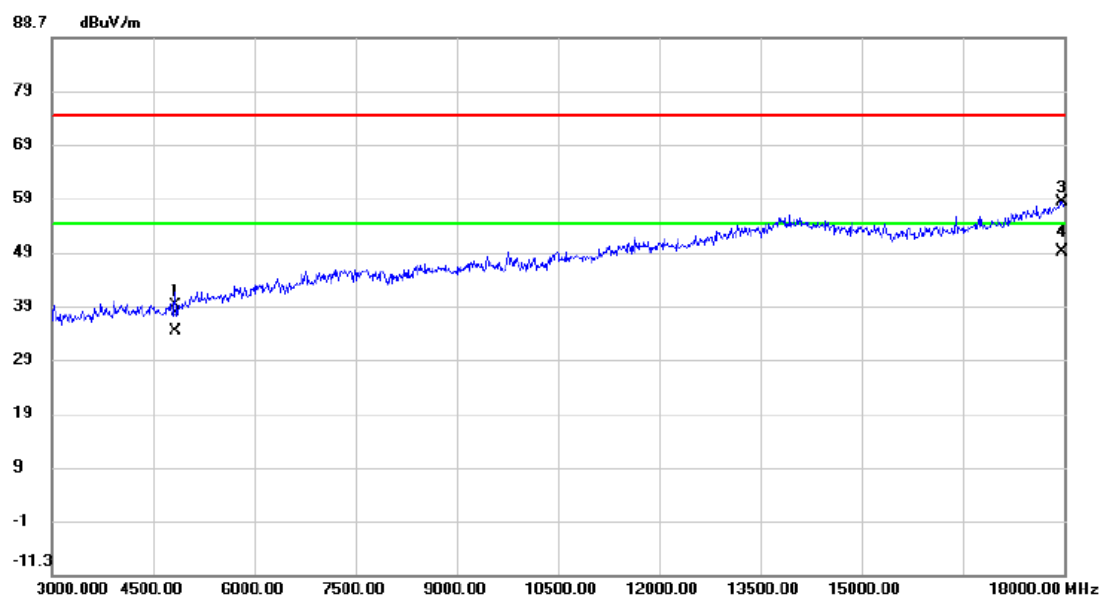


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 2920.000     | 43.25                    | 9.24                    | 52.49                      | 74.00           | -21.51       | peak     |         |
| 2   |     | 2920.000     | 33.21                    | 9.24                    | 42.45                      | 54.00           | -11.55       | AVG      |         |
| 3   |     | 2954.000     | 43.20                    | 9.41                    | 52.61                      | 74.00           | -21.39       | peak     |         |
| 4   | *   | 2954.000     | 33.59                    | 9.41                    | 43.00                      | 54.00           | -11.00       | AVG      |         |

### REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|



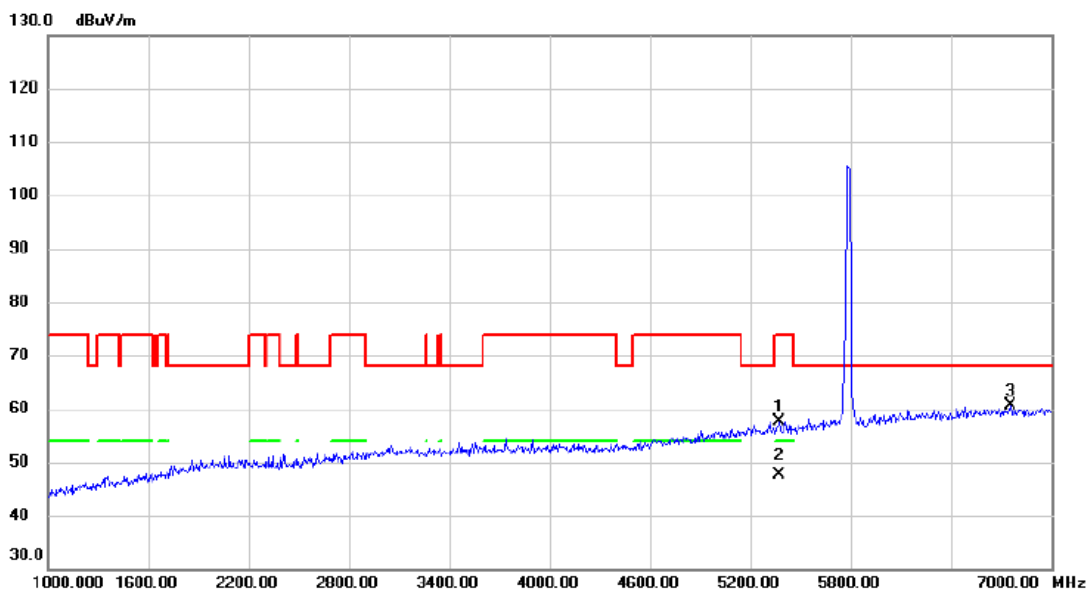
| No. Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1       | 4823.880     | 36.22                    | 2.70                    | 38.92                      | 74.00           | -35.08       | peak     |         |
| 2       | 4830.000     | 31.24                    | 2.72                    | 33.96                      | 54.00           | -20.04       | AVG      |         |
| 3       | 17970.000    | 42.73                    | 15.34                   | 58.07                      | 74.00           | -15.93       | peak     |         |
| 4 *     | 17970.000    | 33.48                    | 15.34                   | 48.82                      | 54.00           | -5.18        | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## For 5GHz WIFI

|           |                                   |              |            |
|-----------|-----------------------------------|--------------|------------|
| Test Mode | UNII-3_TX AC(VHT20) Mode 5785 MHz | Polarization | Horizontal |
|-----------|-----------------------------------|--------------|------------|

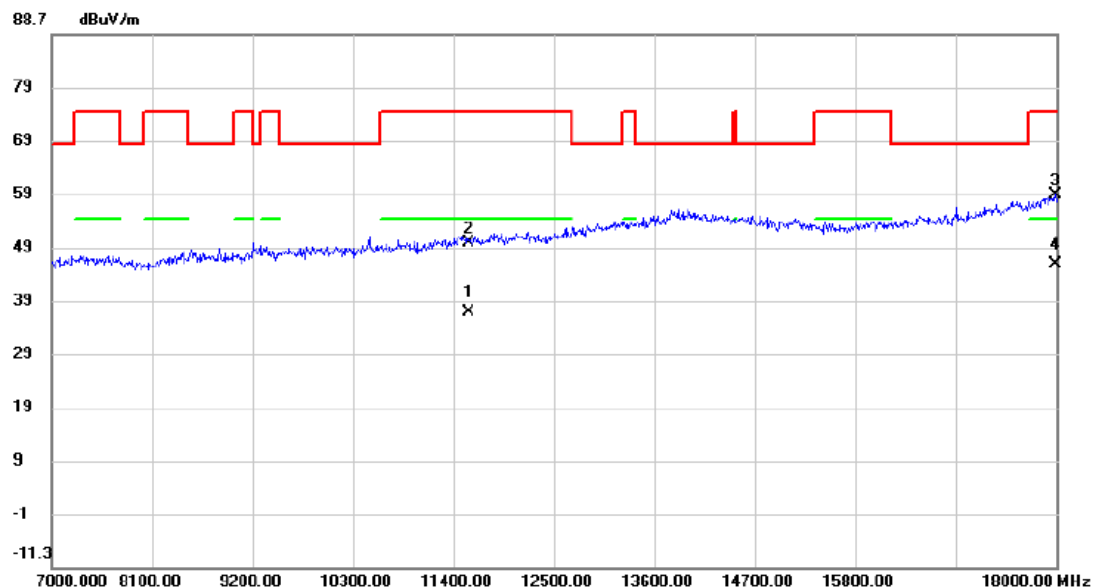


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5374.000     | 43.57                    | 14.15                   | 57.72                      | 74.00           | -16.28       | peak     |         |
| 2   | *   | 5374.000     | 33.59                    | 14.15                   | 47.74                      | 54.00           | -6.26        | AVG      |         |
| 3   |     | 6754.000     | 42.42                    | 18.09                   | 60.51                      | 68.20           | -7.69        | peak     |         |

### REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-3_TX AC(VHT20) Mode 5785 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 11564.200    | 25.22                    | 11.27                   | 36.49                      | 54.00           | -17.51       | AVG      |         |
| 2   |     | 11567.650    | 38.21                    | 11.26                   | 49.47                      | 74.00           | -24.53       | peak     |         |
| 3   |     | 17989.000    | 43.33                    | 15.37                   | 58.70                      | 74.00           | -15.30       | peak     |         |
| 4 * |     | 17989.000    | 30.15                    | 15.37                   | 45.52                      | 54.00           | -8.48        | AVG      |         |

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX B - MAXIMUM OUTPUT POWER**

### For BT

|           |               |
|-----------|---------------|
| Test Mode | TX Mode_1Mbps |
|-----------|---------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Test Result |
|---------|-----------------|--------------------|------------------|----------------|-------------|
| 78      | 2480            | 11.89              | 20.97            | 0.1250         | Pass        |

### For LE

|           |               |
|-----------|---------------|
| Test Mode | TX Mode_2Mbps |
|-----------|---------------|

| Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Test Result |
|-----------------|--------------------|------------------|------------------|----------------|-------------|
| 2480            | 8.02               | 0.0063           | 30.00            | 1.0000         | Pass        |

### For 2.4GHz WIFI

|           |           |
|-----------|-----------|
| Test Mode | TX G Mode |
|-----------|-----------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 06      | 2437            | 18.23              | 30.00            | 1.0000         | Pass   |

### For 5GHz WIFI

|           |                   |
|-----------|-------------------|
| Test Mode | UNII-2C_TX A Mode |
|-----------|-------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor (dB) | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------------------------|------------------|----------------|--------|
| 116     | 5580            | 17.06              | 0.00             | 17.06                            | 23.98            | 0.2500         | Pass   |

Note: Output power = Measure result + Cable loss

End of Test Report