



**Spectrum Research & Testing Lab., Inc.**

No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

FCC ID : QCI-SKIWB800D3

Page: 1 of 131

Date: Aug. 02, 2023

Product Name: BT/BLE/WiFi 6 radio module  
Brand Name: SMART  
Model No.: SKI.WB800D.3  
Series Model: ---  
Applicant: SMART TECHNOLOGIES ULC  
3636 RESEARCH ROAD NW CALGARY, AB T2L 1Y1  
CANADA  
Date of Receipt: Jul. 03, 2023  
Finished date of Test: Jul. 27, 2023  
Applicable Standards: 47 CFR Part 15, Subpart C, 15.247  
ANSI C63.10: 2013

We, **Spectrum Research & Testing Laboratory Inc.**, hereby certify that one sample of the above was tested in our laboratory with positive results according to the above-mentioned standards. The records in the report are an accurate account of the results. Details of the results are given in the subsequent pages of this report.

Tested By : Jimmy Tseng , Date: Aug. 02, 2023  
(Jimmy Tseng)

Approved By : Johnson Ho , Date: 8/2/2023  
( Johnson Ho, Director )



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|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303<br>Report No.: FCCA23070303-W0<br>FCC ID : QCI-SKIWB800D3<br>Page: 2 of 131<br>Date: Aug. 02, 2023 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

## Revisions History

| Report No.      | Issue Date    | Revisions     |
|-----------------|---------------|---------------|
| FCCA23070303-W0 | Aug. 02, 2023 | Initial issue |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

## Table of Contents

|                                              |    |
|----------------------------------------------|----|
| 1. DOCUMENT POLICY AND TEST STATEMENT .....  | 5  |
| 1.1 DOCUMENT POLICY .....                    | 5  |
| 1.2 TEST STATEMENT .....                     | 5  |
| 1.3 EUT MODIFICATION .....                   | 5  |
| 1.4 DECISION RULE .....                      | 5  |
| 1.5 REPORTING STATEMENTS OF CONFORMITY ..... | 5  |
| 2. DESCRIPTION OF EUT AND TEST MODE .....    | 6  |
| 2.1 GENERAL DESCRIPTION OF EUT.....          | 6  |
| 2.2 DESCRIPTION OF EUT INTERNAL DEVICE ..... | 7  |
| 2.3 DESCRIPTION OF TEST MODE .....           | 8  |
| 2.4 EUT OPERATING CONDITION .....            | 8  |
| 2.5 DESCRIPTION OF SUPPORT UNIT .....        | 9  |
| 2.6 CHANNEL AND FREQUENCY TABLE .....        | 9  |
| 3. DESCRIPTION OF APPLIED STANDARDS .....    | 10 |
| 3.1 DESCRIPTION OF APPLIED KDB .....         | 10 |
| 3.2 SUMMARY OF TEST RESULTS .....            | 10 |
| 4. TECHNICAL CHARACTERISTICS TEST .....      | 11 |
| 4.1 CONDUCTED EMISSION TEST .....            | 11 |
| 4.1.1 LIMIT .....                            | 11 |
| 4.1.2 TEST EQUIPMENT .....                   | 11 |
| 4.1.3 TEST SETUP .....                       | 12 |
| 4.1.4 TEST PROCEDURE .....                   | 12 |
| 4.1.5 TEST RESULT .....                      | 13 |
| 4.2 RADIATED EMISSION TEST .....             | 15 |
| 4.2.1 LIMIT .....                            | 15 |
| 4.2.2 TEST EQUIPMENT .....                   | 16 |
| 4.2.3 TEST SET-UP .....                      | 18 |
| 4.2.4 TEST PROCEDURE .....                   | 19 |
| 4.2.5 TEST RESULT .....                      | 20 |
| 4.3 BANDWIDTH TEST .....                     | 62 |
| 4.3.1 LIMIT .....                            | 62 |
| 4.3.2 TEST EQUIPMENT .....                   | 62 |
| 4.3.3 TEST SET-UP .....                      | 62 |
| 4.3.4 TEST PROCEDURE .....                   | 62 |
| 4.3.5 EUT OPERATING CONDITION .....          | 62 |

|                                                                                                                                                                                                                                              |                      |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303<br>Report No.: FCCA23070303-W0<br>FCC ID : QCI-SKIWB800D3<br>Page: 4 of 131<br>Date: Aug. 02, 2023 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

|       |                                        |     |
|-------|----------------------------------------|-----|
| 4.3.6 | TEST RESULT .....                      | 63  |
| 4.4   | PEAK CONDUCTED OUTPUT POWER TEST ..... | 75  |
| 4.4.1 | LIMIT .....                            | 75  |
| 4.4.2 | TEST EQUIPMENT .....                   | 75  |
| 4.4.3 | TEST SET-UP .....                      | 75  |
| 4.4.4 | TEST PROCEDURE .....                   | 75  |
| 4.4.5 | EUT OPERATING CONDITION .....          | 75  |
| 4.4.6 | TEST RESULT .....                      | 76  |
| 4.5   | BAND EDGE TEST .....                   | 77  |
| 4.5.1 | LIMIT .....                            | 77  |
| 4.5.2 | TEST EQUIPMENT .....                   | 78  |
| 4.5.3 | TEST SETUP .....                       | 79  |
| 4.5.4 | TEST PROCEDURE .....                   | 79  |
| 4.5.5 | EUT OPERATING CONDITION .....          | 79  |
| 4.5.6 | TEST RESULT .....                      | 80  |
| 4.6   | POWER SPECTRAL DENSITY TEST .....      | 116 |
| 4.6.1 | LIMIT .....                            | 116 |
| 4.6.2 | TEST EQUIPMENT .....                   | 116 |
| 4.6.3 | TEST SET-UP .....                      | 116 |
| 4.6.4 | TEST PROCEDURE .....                   | 116 |
| 4.6.5 | EUT OPERATING CONDITION .....          | 116 |
| 4.6.6 | TEST RESULT .....                      | 118 |
| 5.    | ANTENNA APPLICATION .....              | 130 |
| 5.1   | ANTENNA REQUIREMENT .....              | 130 |
| 5.2   | RESULT .....                           | 130 |
| 6.    | TERMS OF ABBREVIATION .....            | 131 |

|                                                                                                                                                                                                                                                |                      |                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303<br>Report No.: FCCA23070303-W0<br>FCC ID : QCI-SKIWB800D3<br>Page: 5 of 131<br>Date: Aug. 02, 2023 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

## 1. DOCUMENT POLICY AND TEST STATEMENT

### 1.1 DOCUMENT POLICY

- The report shall not be reproduced except in full, without the written approval of SRT Lab, Inc.
- FCC Registered Test Site Number : TW1016

### 1.2 TEST STATEMENT

- The test results in the report apply only to the unit tested by SRT Lab.
- There was no deviation from the requirements of test standards during the test.
- DC power source from DC 5V.

### 1.3 EUT MODIFICATION

- No modification in SRT Lab.

### 1.4 DECISION RULE

- To make sure the testing report(s) meet the requirement of ISO/IEC 17025:2017 standard and meet chapter 7.1 (Review of Requests, Tenders and Contracts), chapter 7.4 (Handling of Test or Calibration Items), chapter 7.8.2 (Reporting of Results – Common Requirement for Reports (Test, Calibration or Sampling)), This decision rule will be the base of adjustment (include the disclaimer scope) from SRT LAB.
- After communicate between SRT LAB. and clients /applicants and get the agreement, SRT LAB. will do the adjustment. According to this decision rule, SRT LAB. Manager(s) will do the Pass or Fail adjustment. (But one thing need to be concerned is, not every assessing rule suits all declaration of conformity assessing actions, it should be ruled depends on product's feature, test standard, technical regulation, test results, and also acceptance of risk of both sides.)
- This report according to the “description of applied standards and statements of conformity” on the report, as the decision rule.

### 1.5 REPORTING STATEMENTS OF CONFORMITY

Base on ISO/IEC 17025, the statements of conformity requirement of testing results.

- ☐ It does not need to provide the statements of conformity.
- ☒ It need to provide the statements of conformity and
  - ☒ Use CISPR 16-4, ISO/IEC Guide 98-3, IEC Guide 115, ETSI ETR 028 speciation and it does not need to provide additional uncertainty of the testing results or data on the report(s).
  - ☐ It need to provide additional uncertainty of the testing results or data on the report(s).

|                                                                                                                                                                                                                                              |                      |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

## 2. DESCRIPTION OF EUT AND TEST MODE

### 2.1 GENERAL DESCRIPTION OF EUT

|                              |                                                                                                                                                                                                    |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT</b>               | BT/BLE/WiFi 6 radio module                                                                                                                                                                         |
| <b>MODEL NO.</b>             | SKI.WB800D.3                                                                                                                                                                                       |
| <b>BRAND NAME</b>            | SMART                                                                                                                                                                                              |
| <b>POWER SUPPLY</b>          | 5Vdc 1A                                                                                                                                                                                            |
| <b>CABLE</b>                 | N/A                                                                                                                                                                                                |
| <b>FREQUENCY BAND</b>        | 2400 ~ 2483.5 MHz                                                                                                                                                                                  |
| <b>CARRIER FREQUENCY</b>     | 2412 ~ 2462 MHz                                                                                                                                                                                    |
| <b>NUMBER OF CHANNEL</b>     | 11                                                                                                                                                                                                 |
| <b>RATED RF OUTPUT POWER</b> | IEEE 802.11b : 21.25 dBm<br>IEEE 802.11g : 20.51 dBm<br>IEEE 802.11n - HT20 : 20.52 dBm<br>IEEE 802.11n - HT40 : 20.27 dBm<br>IEEE 802.11ax - HE20 : 20.46 dBm<br>IEEE 802.11ax - HE40 : 20.26 dBm |
| <b>MODULATION TYPE</b>       | IEEE 802.11b : DSSS (BPSK / QPSK / CCK)<br>IEEE 802.11g : OFDM (16-QAM / 64-QAM)<br>IEEE 802.11n : OFDM (QPSK / 16-QAM / 64-QAM)<br>IEEE 802.11ax : OFDMA(QPSK / 16QAM / 64QAM / 256QAM / 1024QAM) |
| <b>ANTENNA TYPE</b>          | Dipole Antenna                                                                                                                                                                                     |
| <b>ANTENNA GAIN</b>          | 3.19 dBi                                                                                                                                                                                           |

**NOTE:**

For more detailed information, please refer to the EUT's specification or user's manual provided by manufacturer.

|                                                                                                                                                                                                                                              |                      |                                                                                                                             |
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

## 2.2 DESCRIPTION OF EUT INTERNAL DEVICE

| DEVICE       | BRAND / MAKER | MODEL #  | FCC ID / DOC | REMARK                                         |
|--------------|---------------|----------|--------------|------------------------------------------------|
| RF IC        | AICSEMI       | AIC8800D | N/A          | WIFI 6 BT5.0 Moudle                            |
| XTLA         | N/A           | M26.00   | N/A          | 26MHz XTAL                                     |
| Front end IC | CHIPBETTER    | CB5717   | N/A          | WIFI 6 5G Front-end Module                     |
| Antenna      | HONGFUTAI     | Dipole   | N/A          | 2.4G paek Gain 3.19dbi<br>602-0015-065-A       |
| Antenna      | Megahertz     | Dipole   | N/A          | 2.4G paek Gain 2.06dbi<br>6150-000000-36000001 |
| Antenna      | Megahertz     | Dipole   | N/A          | 2.4G paek Gain 3.17dbi<br>6150-015600-36000001 |

|                                                                                                                                                                                                                                              |                      |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

## 2.3 DESCRIPTION OF TEST MODE

The EUT in Wi-Fi 2.4G mode has 11 channels and the modulations are below:

IEEE 802.11b : DSSS

IEEE 802.11g : OFDM

IEEE 802.11n - HT20/HT40 : OFDM

IEEE 802.11ax - HE20/HE40 : OFDMA

Use the software in TX test mode is “SecureCRTPortable”.

After pre-test in chamber and evaluate:

1. GFSK was the worst modulation, so use of GFSK for the final test mode.
2. Choose lowest, middle and highest channels for final test.
3. Three axis (X, Y and Z axis) are evaluated in chamber, the X axis is the worst in test.

| Test Mode |                 | Channel | Frequency (MHz) |
|-----------|-----------------|---------|-----------------|
| 1         | 802.11b         | CH01    | 2412            |
| 2         |                 | CH06    | 2437            |
| 3         |                 | CH11    | 2462            |
| 4         | 802.11g         | CH01    | 2412            |
| 5         |                 | CH06    | 2437            |
| 6         |                 | CH11    | 2462            |
| 7         | 802.11n - HT20  | CH01    | 2412            |
| 8         |                 | CH06    | 2437            |
| 9         |                 | CH11    | 2462            |
| 10        | 802.11n – HT40  | CH03    | 2422            |
| 11        |                 | CH06    | 2437            |
| 12        |                 | CH09    | 2452            |
| 13        | 802.11ax - HE20 | CH01    | 2412            |
| 14        |                 | CH06    | 2437            |
| 15        |                 | CH11    | 2462            |
| 16        | 802.11ax – HE40 | CH03    | 2422            |
| 17        |                 | CH06    | 2437            |
| 18        |                 | CH09    | 2452            |
| 19        | Standby         | ---     | ---             |
| 20        | Link            | ---     | ---             |

### NOTE:

1. Below 1 GHz were pre-tested in chamber and chosen the worst case for conducted and radiated emission test.
2. Above 1 GHz were tested individually.

## 2.4 EUT OPERATING CONDITION

1. Setup the EUT and all peripheral devices .
2. Turn on the power of all equipment and EUT.
3. Transfer board between PC and EUT. Into engineering & Standby mode.

|                                                                                                                                                                                                                                              |                      |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

## 2.5 DESCRIPTION OF SUPPORT UNIT

The EUT was configured by the requirement of ANSI C63.10:2013. All interface ports were connected to the appropriate support units via specific cables. The support units and cables are listed below.

| NO | DEVICE             | BRAND   | MODEL #        | FCC ID/DOC | CABLE                                                     |
|----|--------------------|---------|----------------|------------|-----------------------------------------------------------|
| 1  | PC                 | ASUS    | M32AA1         | DoC        | 1.8m unshielded power cable.                              |
| 2  | LCD Monitor        | DELL    | U2311Hb        | DoC        | 1.8m unshielded power cable.<br>1.5m shielded data cable. |
| 3  | Mouse              | ASUS    | MOBTUO         | DoC        | 1.5m unshielded data cable.                               |
| 4  | Keyboard           | ASUS    | AW211          | DoC        | 1.5m unshielded data cable                                |
| 5  | Printer            | HP      | C8995A         | DoC        | 1.5m unshielded power cable.<br>1.5m shielded data cable. |
| 6  | USB 2.0 HDD        | Terasys | F-12U          | DoC        | 1.5m shielded data cable.                                 |
| 7  | USB Transfer board | SMART   | USB TO TTL     | NA         | NA                                                        |
| 10 | Bandpass Filter    | EMCI    | NF2400-2500MHz | NA         | NA                                                        |

**NOTE:** For the actual test configuration, please refer to the photos of testing.

## 2.6 CHANNEL AND FREQUENCY TABLE

| Channel (CH) | Frequency (MHz) | Channel (CH) | Frequency (MHz) | Channel (CH) | Frequency (MHz) | Channel (CH) | Frequency (MHz) |
|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| 01           | 2412            | 04           | 2427            | 07           | 2442            | 10           | 2457            |
| 02           | 2417            | 05           | 2432            | 08           | 2447            | 11           | 2462            |
| 03           | 2422            | 06           | 2437            | 09           | 2452            | ---          | ---             |

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

### 3. DESCRIPTION OF APPLIED STANDARDS

The EUT is a wireless product. According to the specifications provided by the applicant, it must comply with the requirements of the following standards:

47 CFR Part 15, Subpart C, 15.247

ANSI C63.10: 2013

All tests have been performed and recorded as the above standards.

#### 3.1 DESCRIPTION OF APPLIED KDB

Related KDB used in the test:

FCC publication KDB 558074 D01 15.247 Meas Guidance v05r02 Measurement on Digital Transmission Systems (DTS) Operating under Section 15.247 Apr. 02, 2019

#### 3.2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| STANDARD SECTION          | TEST TYPE AND LIMIT RESULTS                           | RESULTS |
|---------------------------|-------------------------------------------------------|---------|
| 15.203<br>15.247(c)(1)(i) | Antenna requirement                                   | PASS    |
| 15.207                    | AC Power Line Conducted Emission                      | PASS    |
| 15.247(a)(2)              | 6 dB Bandwidth                                        | PASS    |
| 15.247(b)                 | Maximum Peak Conducted Output Power                   | PASS    |
| 15.247(d)                 | Band Edge Measurement:                                | PASS    |
| 15.247(d)                 | Transmitter Radiated Emissions<br>Limit: Table 15.209 | PASS    |
| 15.247(e)                 | Power Density:<br>Limit: 8dBm/3kHz                    | PASS    |

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## 4. TECHNICAL CHARACTERISTICS TEST

### 4.1 CONDUCTED EMISSION TEST

#### 4.1.1 LIMIT

| Frequency (MHz) | Class A (dB $\mu$ V) |         | Class B (dB $\mu$ V) |         |
|-----------------|----------------------|---------|----------------------|---------|
|                 | Quasi-peak           | Average | Quasi-peak           | Average |
| 0.15 - 0.5      | 79                   | 66      | 66 - 56              | 56 - 46 |
| 0.50 - 5.0      | 73                   | 60      | 56                   | 46      |
| 5.0 - 30.0      | 73                   | 60      | 60                   | 50      |

#### NOTE:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

#### 4.1.2 TEST EQUIPMENT

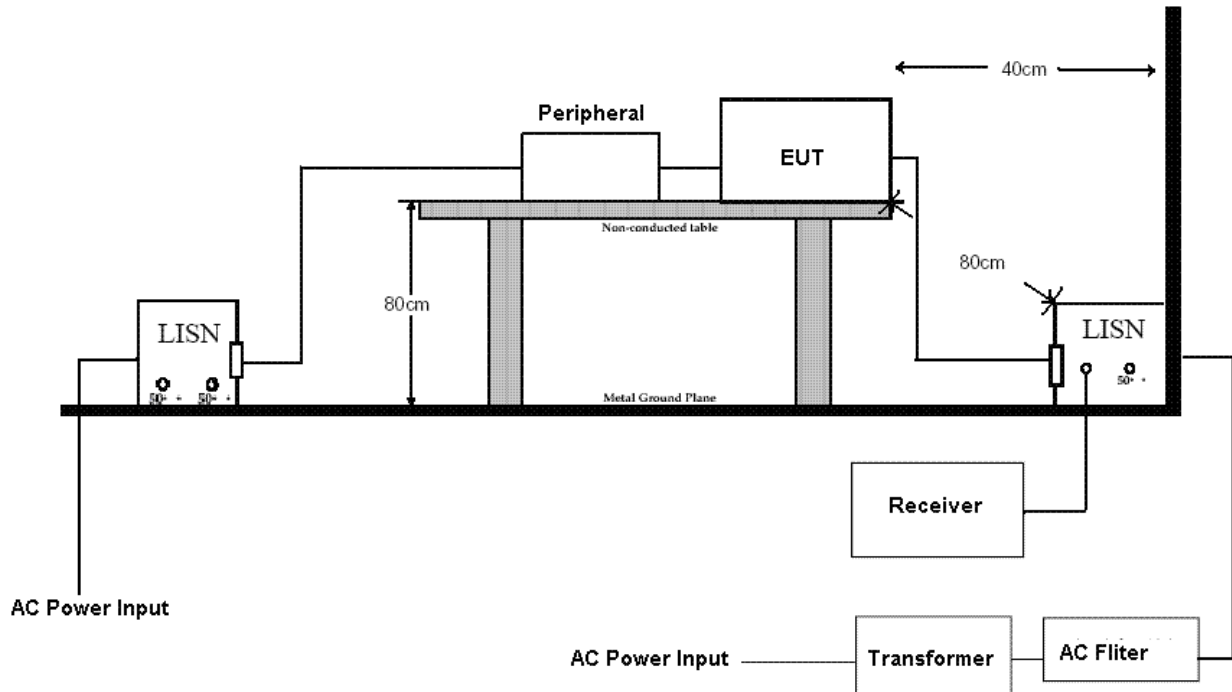
The following test equipment was used for the test:

| Equipment/<br>Facilities           | Specifications                                        | Manufacturer       | Model #/<br>Serial #         | Due Date<br>of Cal.<br>& Cal. Center | Final<br>Test be<br>Used |
|------------------------------------|-------------------------------------------------------|--------------------|------------------------------|--------------------------------------|--------------------------|
| EMI TEST<br>RECEIVER               | 9 kHz ~<br>2.75 GHz                                   | ROHDE &<br>SCHWARZ | ESCS30 /<br>100376           | APR. 26, 2024<br>ETC                 | ■                        |
| LISN                               | 50 $\mu$ H, 50 ohm                                    | SOLAR              | 9252-50-R-24-BNC /<br>951315 | FEB. 22, 2024<br>ETC                 | ■                        |
| LISN                               | 50 $\mu$ H, 50 ohm                                    | SCHWARZBECK        | NSLK 8127/<br>8127-808       | MAR. 08, 2024<br>ETC                 | ■                        |
| 50 $\Omega$ BNC TYPE<br>TERMINATOR | 50 ohm                                                | N/A                | 11593A/<br>L1TEQU005         | FEB. 14, 2024<br>ETC                 | ■                        |
| 50 $\Omega$ BNC TYPE<br>TERMINATOR | 50 ohm                                                | N/A                | B00-CD-357 /<br>L1TEQU009    | JUL. 14, 2024<br>ETC                 | ■                        |
| COAXIAL CABLE                      | 5 m                                                   | HUBER+<br>SUHNER   | RG214/U(5m) /<br>L1TCAB013   | JUN. 23, 2024<br>ETC                 | ■                        |
| FILTER                             | 2 LINE, 30 A                                          | FIL.COIL           | FC-943 /<br>771              | NCR                                  | ■                        |
| GROUND PLANE                       | 2 m (H) x<br>3 m (W)                                  | SRT                | N/A                          | NCR                                  | ■                        |
| GROUND PLANE                       | 2.5 m (H) x<br>3 m (W)                                | SRT                | N/A                          | NCR                                  | ■                        |
| PULSE LIMITER                      | 9 kHz ~ 30 MHz<br>Insertion Loss=<br>10dB $\pm$ 0.3dB | ROHDE &<br>SCHWARZ | ESH3-Z2 /<br>L1TTES010       | FEB. 16, 2024<br>ETC                 | ■                        |
| THERMO-HYGRO                       | 15 – 40 °C,                                           | TOP                | 20-A /<br>6644               | MAR. 01, 2024<br>ETC                 | ■                        |
| MEASUREMENT<br>SOFTWARE            | N/A                                                   | EZ-EMC             | SRT-03A1                     | NCR                                  | ■                        |

#### NOTE:

The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

### 4.1.3 TEST SETUP



#### NOTE :

1. The EUT was put on a wooden table with 0.8m heights above ground plane, and 0.4m away from reference ground plane (> 2mx2m).
2. For the actual test configuration, please refer to the photos of testing.

### 4.1.4 TEST PROCEDURE

The EUT was tested according to the requirement of ANSI C63.10:2013 and CISPR22:2003. The frequency spectrum from 0.15 MHz to 30 MHz was investigated. The LISN used was 50 ohm/50μH as specified. All readings were quasi-peak and average values with 10 kHz resolution bandwidth of the test receiver. The EUT system was operated in all typical methods by users. Both lines of the power mains of EUT were measured and the cables connected to EUT and support units were moved to find the maximum emission levels for each frequency. First, find the margin or higher points at least 6 points by software, then use manual to find the maximum data. The procedure is referred on the test procedure of SRT LAB.



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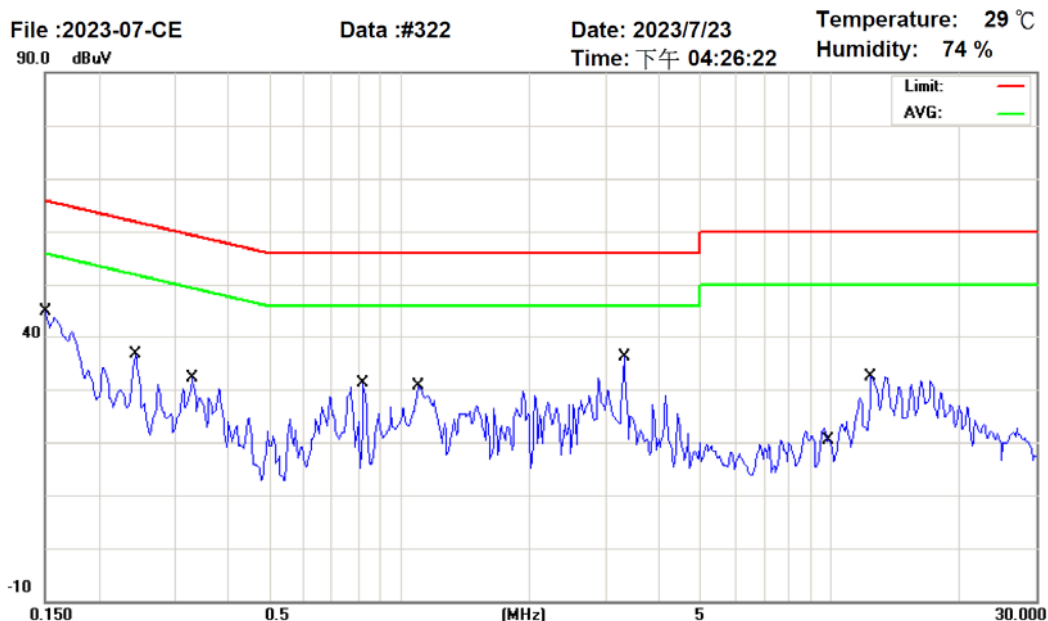
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 13 of 131  
Date: Aug. 02, 2023

## 4.1.5 TEST RESULT

Temperature: 29 °C Humidity: 74 %RH  
Frequency Range: 0.15 – 30 MHz Tested Mode: Standby  
Receiver Detector: Q.P. and AV. Tested Date: Jul. 23, 2023

Power Line Measured : Line



| Mk. | No. | Frequency (MHz) | Reading (dBuV) | Corrected factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Detector | Comment |
|-----|-----|-----------------|----------------|----------------------|---------------|--------------|-------------|----------|---------|
|     | 1   | 0.1500          | 37.41          | -0.05                | 37.36         | 66.00        | -28.64      | QP       |         |
|     | 2   | 0.1500          | 22.52          | -0.05                | 22.47         | 56.00        | -33.53      | AVG      |         |
|     | 3   | 0.2437          | 35.07          | -0.04                | 35.03         | 61.97        | -26.94      | QP       |         |
|     | 4   | 0.2437          | 34.86          | -0.04                | 34.82         | 51.97        | -17.15      | AVG      |         |
|     | 5   | 0.3297          | 27.99          | -0.05                | 27.94         | 59.46        | -31.52      | QP       |         |
|     | 6   | 0.3297          | 24.22          | -0.05                | 24.17         | 49.46        | -25.29      | AVG      |         |
|     | 7   | 0.8258          | 29.10          | -0.03                | 29.07         | 56.00        | -26.93      | QP       |         |
|     | 8   | 0.8258          | 25.86          | -0.03                | 25.83         | 46.00        | -20.17      | AVG      |         |
|     | 9   | 1.1031          | 25.72          | -0.02                | 25.70         | 56.00        | -30.30      | QP       |         |
|     | 10  | 1.1031          | 22.77          | -0.02                | 22.75         | 46.00        | -23.25      | AVG      |         |
|     | 11  | 3.3125          | 35.61          | 0.06                 | 35.67         | 56.00        | -20.33      | QP       |         |
| *   | 12  | 3.3125          | 35.07          | 0.06                 | 35.13         | 46.00        | -10.87      | AVG      |         |
|     | 13  | 10.0000         | 12.23          | 0.28                 | 12.51         | 60.00        | -47.49      | QP       |         |
|     | 14  | 10.0000         | 7.49           | 0.28                 | 7.77          | 50.00        | -42.23      | AVG      |         |
|     | 15  | 12.4414         | 26.67          | 0.32                 | 26.99         | 60.00        | -33.01      | QP       |         |
|     | 16  | 12.4414         | 19.06          | 0.32                 | 19.38         | 50.00        | -30.62      | AVG      |         |

### NOTE:

- Measurement uncertainty is 1.61 dB.
- Result = Reading + Correction factor.
- Corrected Factor = Cable loss + Insertion loss of LISN  
Difference of Pulse Limiter Factor between EMI Test Receiver corrected 10dB insertion loss.
- Margin = Result – Limit.



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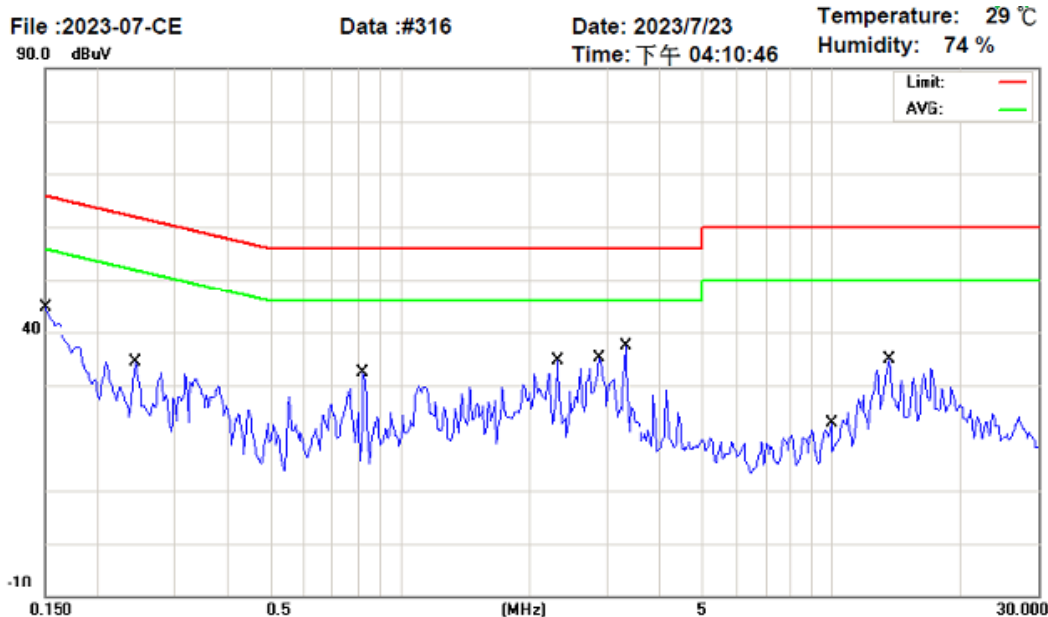
No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 14 of 131  
Date: Aug. 02, 2023

Temperature: 29 °C Humidity: 74 %RH  
Frequency Range: 0.15 – 30 MHz Tested Mode: Standby  
Receiver Detector: Q.P. and AV. Tested Date: Jul. 23, 2023

Power Line Measured : Neutral



| Mk. | No. | Frequency (MHz) | Reading (dBuV) | Corrected factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Detector | Comment |
|-----|-----|-----------------|----------------|----------------------|---------------|--------------|-------------|----------|---------|
|     | 1   | 0.1500          | 37.37          | -0.09                | 37.28         | 66.00        | -28.72      | QP       |         |
|     | 2   | 0.1500          | 20.75          | -0.09                | 20.66         | 56.00        | -35.34      | AVG      |         |
|     | 3   | 0.2437          | 32.35          | -0.08                | 32.27         | 61.97        | -29.70      | QP       |         |
|     | 4   | 0.2437          | 31.82          | -0.08                | 31.74         | 51.97        | -20.23      | AVG      |         |
|     | 5   | 0.8258          | 30.63          | -0.06                | 30.57         | 56.00        | -25.43      | QP       |         |
|     | 6   | 0.8258          | 28.67          | -0.06                | 28.61         | 46.00        | -17.39      | AVG      |         |
|     | 7   | 2.3141          | 24.30          | -0.01                | 24.29         | 56.00        | -31.71      | QP       |         |
|     | 8   | 2.3141          | 8.38           | -0.01                | 8.37          | 46.00        | -37.63      | AVG      |         |
|     | 9   | 2.8883          | 21.59          | 0.02                 | 21.61         | 56.00        | -34.39      | QP       |         |
|     | 10  | 2.8883          | 9.28           | 0.02                 | 9.30          | 46.00        | -36.70      | AVG      |         |
|     | 11  | 3.3125          | 35.83          | 0.03                 | 35.86         | 56.00        | -20.14      | QP       |         |
| *   | 12  | 3.3125          | 35.38          | 0.03                 | 35.41         | 46.00        | -10.59      | AVG      |         |
|     | 13  | 10.0000         | 12.67          | 0.25                 | 12.92         | 60.00        | -47.08      | QP       |         |
|     | 14  | 10.0000         | 7.54           | 0.25                 | 7.79          | 50.00        | -42.21      | AVG      |         |
|     | 15  | 13.5742         | 30.97          | 0.30                 | 31.27         | 60.00        | -28.73      | QP       |         |
|     | 16  | 13.5742         | 23.09          | 0.30                 | 23.39         | 50.00        | -26.61      | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 1.61 dB.
2. Result = Reading + Correction factor.
3. Corrected Factor = Cable loss + Insertion loss of LISN  
Difference of Pulse Limiter Factor between EMI Test Receiver corrected 10dB insertion loss.
4. Margin = Result – Limit.

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## 4.2 RADIATED EMISSION TEST

### 4.2.1 LIMIT

FCC Part15, Subpart C Section 15.209 limit of radiated emission for frequency below1000MHz. The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| FREQUENCY (MHz) | FIELD STRENGTH (microvolts/meter) | DISTANCE (m) | FIELD STRENGTH (dBμV/m) |
|-----------------|-----------------------------------|--------------|-------------------------|
| 0.009 - 0.490   | 2400/F(kHz)                       | 300          | 67.6-20log(kHz)         |
| 0.490 - 1.705   | 24000/F(kHz)                      | 30           | 87.6-20log(kHz)         |
| 1.705 - 30      | 30                                | 30           | 30                      |
| 30 - 88         | 100                               | 3            | 40.0                    |
| 88 - 216        | 150                               | 3            | 43.5                    |
| 216 - 960       | 200                               | 3            | 46.0                    |
| Above 960       | 500                               | 3            | 54.0                    |

#### NOTE:

1. 30 dBuV (in 30m) = 70 dBuV (in 3m).
2. In the emission tables above , the tighter limit applies at the band edges.
3. Distance refers to the distance between measuring instrument, antenna, and the closest point of any part of the device or system.

FCC Part 15, Section 15.35(b) limit of radiated emission for frequency above 1000 MHz

| FREQUENCY (MHz) | Class A (dBuV/m) (at 3m) |         | Class B (dBuV/m) (at 3m) |         |
|-----------------|--------------------------|---------|--------------------------|---------|
|                 | PEAK                     | AVERAGE | PEAK                     | AVERAGE |
| Above 1000      | 80.0                     | 60.0    | 74.0                     | 54.0    |

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## 4.2.2 TEST EQUIPMENT

Below 1 GHz The following test equipment was used during the radiated emission test:

| Equipment/<br>Facilities | Specifications         | Manufacturer    | Model #/<br>Serial #      | Due Date<br>of Cal.<br>& Cal. Center | Final<br>Test be<br>Used |
|--------------------------|------------------------|-----------------|---------------------------|--------------------------------------|--------------------------|
| EMI Test Receiver        | 9 kHz ~ 2.75 GHz       | ROHDE & SCHWARZ | ESCS30 / 100376           | APR. 26, 2024<br>ETC                 | ■                        |
| Biconical Antenna        | 30 MHz ~ 200 MHz       | EMCO            | 3108 / 2380               | MAY. 01, 2024<br>ETC                 | ■                        |
| LOOP ANTENNA             | 9 kHz ~ 30 MHz         | ROHDE & SCHWARZ | HFH2-Z2 / 860605/002      | JUL. 19, 2024<br>ETC                 | ■                        |
| Log Periodic Antenna     | 200 MHz ~ 1 GHz        | EMCO            | 3146 / 9002-2686          | MAY. 01, 2024<br>ETC                 | ■                        |
| Open Area Test Site      | 3 ~ 10 M Measurement   | SRT             | A02 / SRT002              | MAR. 07, 2024<br>SRT                 | ■                        |
| Coaxial Cable            | 9 kHz ~ 1 GHz          | TIMES           | LMR-400(30m) / L1TCAB014  | Jul. 06, 2024<br>ETC                 | ■                        |
| Coaxial Cable            | 9 kHz ~ 1 GHz          | Time            | LMR-400 (#2m) / L1TCAB012 | MAR. 20, 2024<br>ETC                 | ■                        |
| Filter                   | 2 LINE, 30 A           | FIL.COIL        | FC-943 / 869              | NCR                                  | ■                        |
| CDN                      | 0.15 MHz ~ 300 MHz     | LUTHI           | CDN L-801 M2/M3 / 2790    | JUN. 10, 2024<br>ETC                 | □                        |
| Pre-Amplifier            | 0.1 MHz ~ 1.3 GHz      | HP              | 8447D / 2944A06746        | APR. 19, 2024<br>ETC                 | ■                        |
| Thermo-Hygro             | 15 ~ 40°C, 0 ~ 100% RH | TOP             | 20-A / 9326               | MAR. 26, 2024<br>ETC                 | ■                        |

Above 1 GHz The following test equipment was used during the radiated emission test:

| Equipment/<br>Facilities | Specifications          | Manufacturer | Model #/<br>Serial #          | Due Date<br>of Cal.<br>& Cal. Center | Final<br>Test be<br>Used |
|--------------------------|-------------------------|--------------|-------------------------------|--------------------------------------|--------------------------|
| EXA Signal Analyzer      | 10Hz ~ 44 GHz           | KEYSIGHT     | N9010A / MY56480554           | Jul. 10, 2024<br>ETC                 | ■                        |
| Pre-Amplifier            | 1 GHz ~ 26.5 GHz        | AGILENT      | 8449B / 3008A01995            | MAR. 06, 2024<br>ETC                 | ■                        |
| Horn Antenna             | 1 GHz ~ 18 GHz          | EMCO         | 3115 / 9602-4681              | FEB. 23, 2024<br>ETC                 | ■                        |
| Horn Antenna             | 18 ~ 40 GHz             | ETS-LINDGREN | 3116 / 2567                   | MAY.13, 2024<br>ETC                  | ■                        |
| Anechoic Chamber         | 3 M Measurement         | SRT          | A01 / SRT001                  | JUN. 22, 2024<br>SRT                 | ■                        |
| RF Cable                 | Up to 18 GHz<br>6 m*2   | EMCI         | EMC107-SM-6000 / 230726       | JUN. 14, 2024<br>ETC                 | ■                        |
| RF Cable                 | Up to 18 GHz<br>1.5 m   | JYEBAO       | A30A30-L 142 / EQF-0035(001)  | FEB. 16, 2024<br>ETC                 | ■                        |
| K-Type Cable             | Up tp 40 GHz<br>3 m     | HUBER+SUHNER | SF102-46/2*11SK252 / MY2611/2 | APR. 24, 2024<br>ETC                 | ■                        |
| K-Type Cable             | Up to 40 GHz,<br>1 m    | HUBER+SUHNER | SF102/2*11SK252 / MY3331/2    | FEB. 13, 2024<br>ETC                 | ■                        |
| Filter                   | 2 Line, 30 A            | FIL.COIL     | FC-943 / 869                  | NCR                                  | ■                        |
| Thermo-Hygro             | 15 ~ 40 °C, 0 ~ 100% RH | TOP          | 20-A / 6644                   | MAR. 01,2024<br>ETC                  | ■                        |

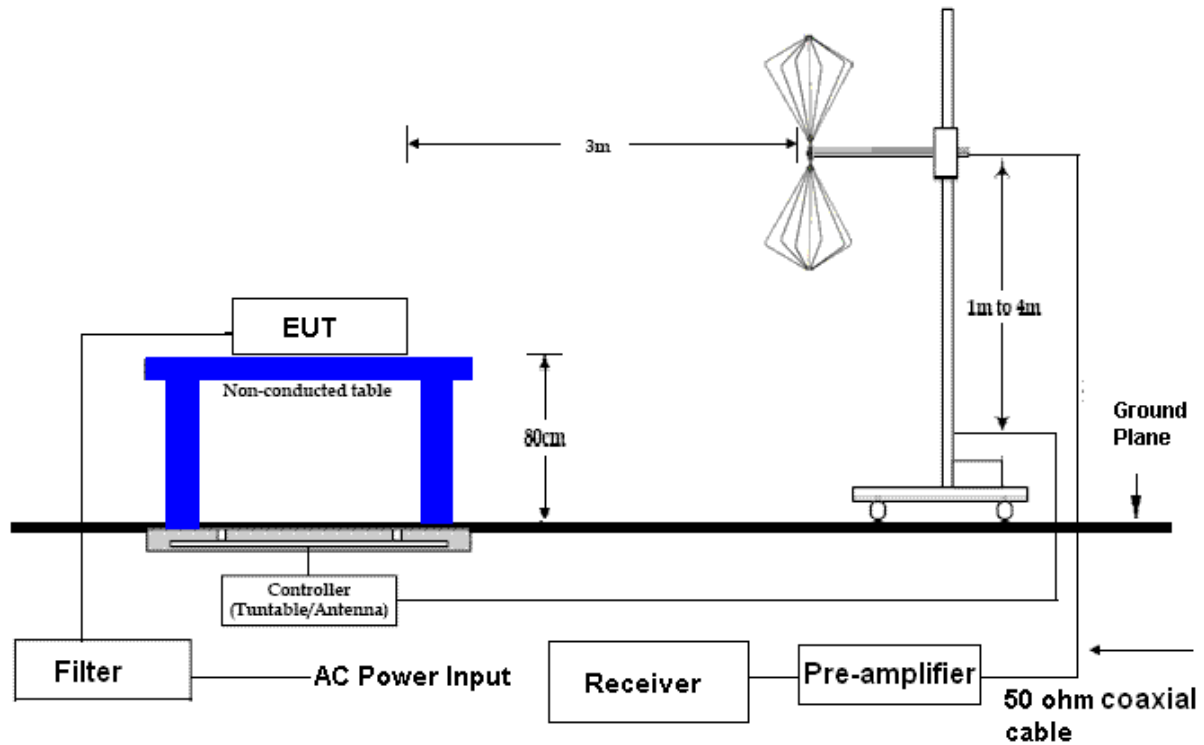
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|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303<br>Report No.: FCCA23070303-W0<br>FCC ID : QCI-SKIWB800D3<br>Page: 17 of 131<br>Date: Aug. 02, 2023 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

|                      |     |        |          |     |   |
|----------------------|-----|--------|----------|-----|---|
| Measurement Software | N/A | EZ-EMC | SRT-03A1 | NCR | ■ |
|----------------------|-----|--------|----------|-----|---|

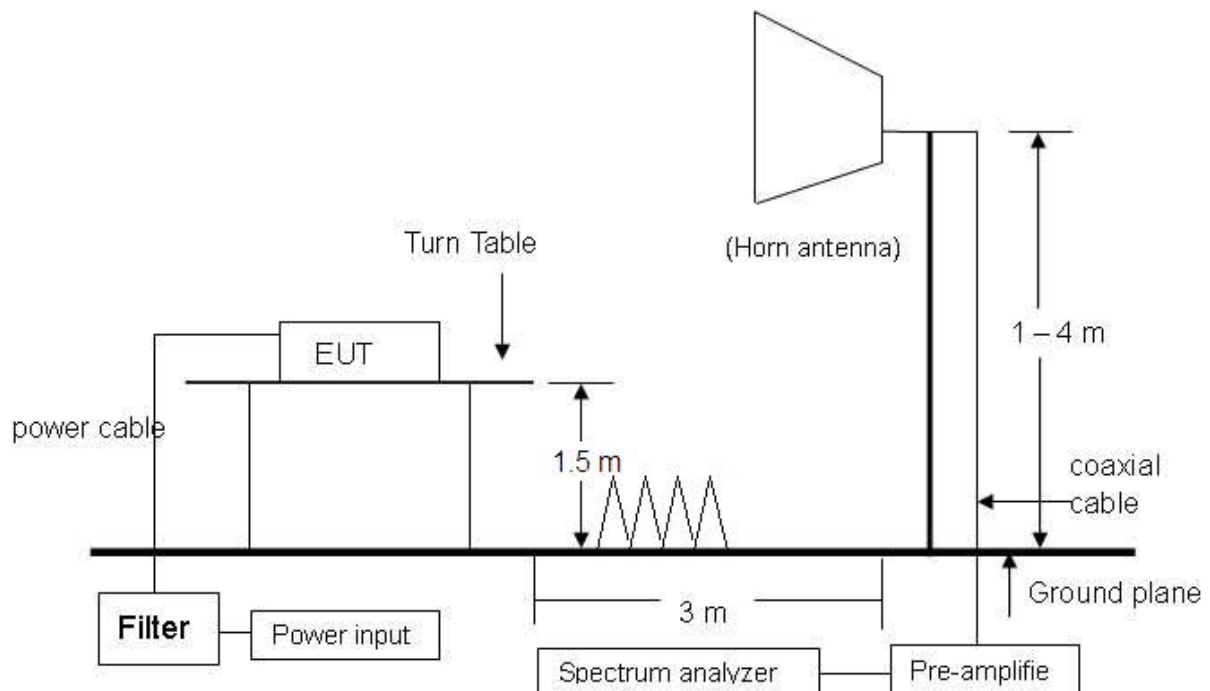


## 4.2.3 TEST SET-UP

30 MHz ~ 1 GHz



Above 1 GHz



**NOTE:** The EUT system was put on a Styrofoam table with 1.5m heights above a ground plane. For the actual test configuration, please refer to the photos of testing.

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

#### 4.2.4 TEST PROCEDURE

The EUT was tested according to the requirement of ANSI C63.10:2013 and CISPR 22:2003. When the frequency spectrum measured started from 30 MHz to 1 GHz, then use antenna is a BICONICAL ANTENNA & LOG PERIODIC ANTENNA. The measurements were made at an open area test site with 3 meter measurement distance under 1 GHz and with 3m distance above 1GHz. The frequency spectrum measured started from 30 MHz to 1 GHz, all readings were quasi-peak values with 120 kHz resolution bandwidth of the test receiver. Above 1 GHz, the measurements were made at an open area test site with 3 meter measurement distance and all readings were peak or average values with 1 MHz resolution bandwidth of the test receiver. The EUT system was operated in all typical methods by users. The cables connected to EUT and support units were moved to find the maximum emission levels for each frequency. First, find the margin or higher points at least 6 points by software, then use manual to find the maximum data. The procedure is referred on the test procedure of SRT LAB.

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## 4.2.5 TEST RESULT

|                  |                |               |               |
|------------------|----------------|---------------|---------------|
| Temperature:     | 29 °C          | Humidity:     | 76 %RH        |
| Frequency Range: | 30 MHz ~ 1 GHz | Tested Mode:  | Standby       |
| Detector Type:   | Quasi-peak     | IF Bandwidth: | 120 kHz       |
| Tested By:       | Jimmy Tseng    | Tested Date:  | Jul. 24, 2023 |

Antenna Polarization : Horizontal

| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Pre-Amp (dB) | Reading Data (dBμV) | Emission Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | AZ (°) | EL (m) |
|-----------------|-----------------|-----------------------|--------------|---------------------|-------------------------|----------------|-------------|--------|--------|
| 123.12          | 2.88            | 11.70                 | 27.96        | 51.59               | 38.21                   | 43.5           | -5.29       | 186    | 3.71   |
| 154.16          | 3.05            | 12.50                 | 27.81        | 48.40               | 36.15                   | 43.5           | -7.35       | 242    | 3.62   |
| 191.02          | 3.45            | 13.80                 | 27.62        | 47.25               | 36.88                   | 43.5           | -6.62       | 93     | 3.50   |
| 231.76          | 3.87            | 12.62                 | 27.49        | 48.26               | 37.26                   | 46.0           | -8.74       | 104    | 3.38   |
| 365.62          | 5.20            | 16.00                 | 27.73        | 42.50               | 35.98                   | 46.0           | -10.02      | 87     | 2.96   |
| 718.71          | 8.27            | 21.50                 | 28.36        | 38.51               | 39.92                   | 46.0           | -6.09       | 358    | 1.87   |

Antenna Polarization : Vertical

| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Pre-Amp (dB) | Reading Data (dBμV) | Emission Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | AZ (°) | EL (m) |
|-----------------|-----------------|-----------------------|--------------|---------------------|-------------------------|----------------|-------------|--------|--------|
| 41.64           | 1.99            | 12.80                 | 28.28        | 44.26               | 30.78                   | 40.0           | -9.22       | 100    | 1.04   |
| 78.50           | 2.33            | 8.30                  | 28.14        | 43.25               | 25.74                   | 40.0           | -14.26      | 138    | 1.15   |
| 235.64          | 3.93            | 12.70                 | 27.48        | 48.17               | 37.32                   | 46.0           | -8.68       | 232    | 1.64   |
| 286.08          | 4.57            | 14.24                 | 27.33        | 41.24               | 32.72                   | 46.0           | -13.28      | 152    | 1.79   |
| 361.74          | 5.17            | 16.08                 | 27.70        | 36.50               | 30.05                   | 46.0           | -15.95      | 97     | 2.03   |
| 720.64          | 8.29            | 21.50                 | 28.36        | 38.56               | 39.99                   | 46.0           | -6.01       | 346    | 3.14   |

### NOTE:

1. Measurement uncertainty is 4.20 dB.
2. "": Measurement does not apply for this frequency.
3. Emission Level = Reading Value + Ant. Factor + Cable Loss – Pre-Amplifier.
4. The field strength of other emission frequencies were very low against the limit.

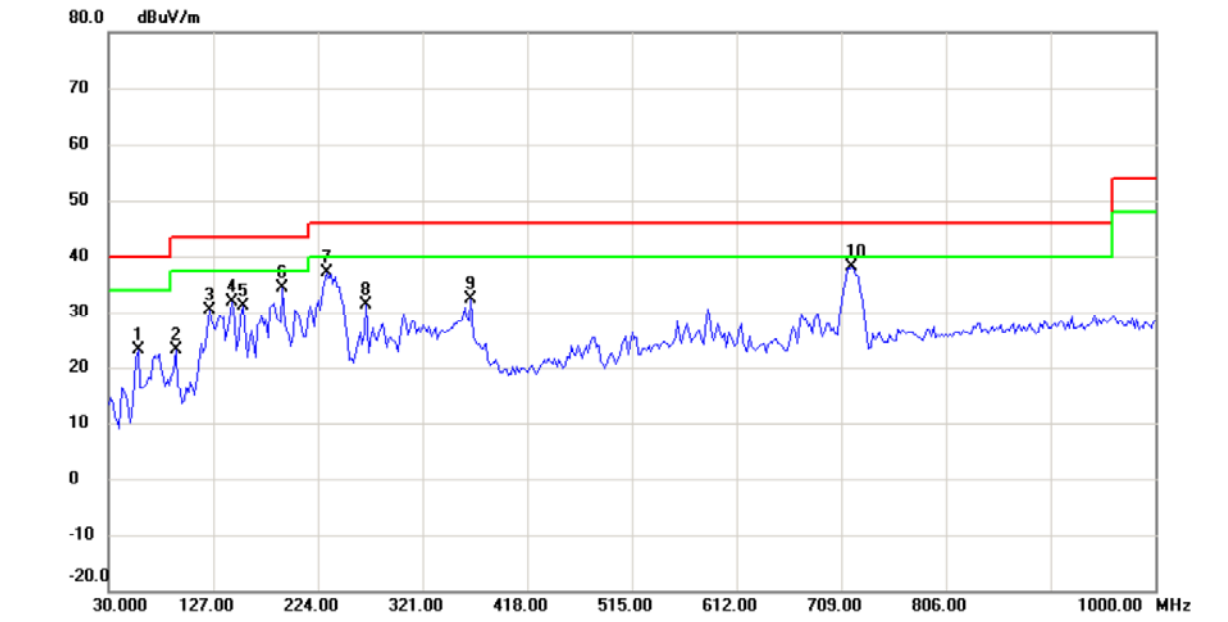


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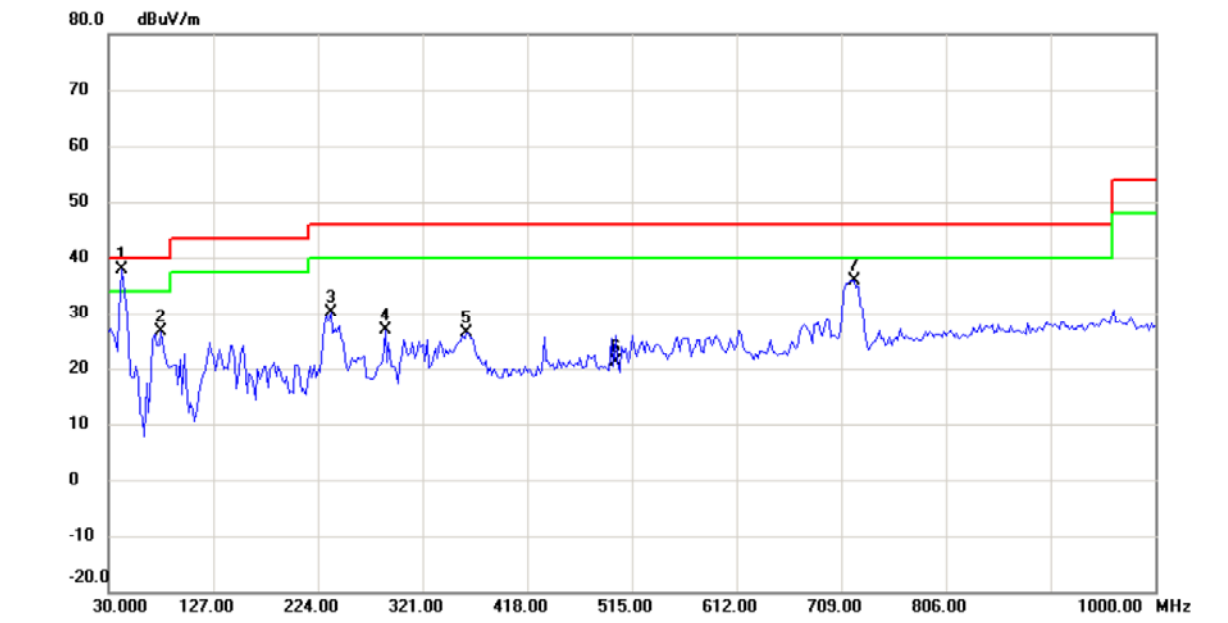
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 21 of 131  
Date: Aug. 02, 2023

Antenna Polarization : Horizontal



Antenna Polarization : Vertical



|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

|                  |                |               |               |
|------------------|----------------|---------------|---------------|
| Temperature:     | 29 °C          | Humidity:     | 76 %RH        |
| Frequency Range: | 30 MHz ~ 1 GHz | Tested Mode:  | Link          |
| Detector Type:   | Quasi-peak     | IF Bandwidth: | 120 kHz       |
| Tested By:       | Jimmy Tseng    | Tested Date:  | Jul. 24, 2023 |

Antenna Polarization : Horizontal

| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Pre-Amp (dB) | Reading Data (dBμV) | Emission Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | AZ (°) | EL (m) |
|-----------------|-----------------|-----------------------|--------------|---------------------|-------------------------|----------------|-------------|--------|--------|
| 50.78           | 2.06            | 11.50                 | 28.23        | 44.25               | 29.58                   | 40.0           | -10.42      | 192    | 3.94   |
| 43.56           | 2.01            | 12.60                 | 28.27        | 42.51               | 28.85                   | 40.0           | -11.15      | 210    | 3.96   |
| 48.44           | 2.04            | 11.90                 | 28.24        | 39.68               | 25.38                   | 40.0           | -14.62      | 198    | 3.94   |
| 40.27           | 1.98            | 12.90                 | 28.28        | 42.15               | 28.75                   | 40.0           | -11.25      | 356    | 3.97   |
| 35.06           | 1.83            | 13.50                 | 28.29        | 30.28               | 17.32                   | 40.0           | -22.68      | 70     | 3.98   |
| 720.64          | 8.29            | 21.50                 | 28.36        | 35.26               | 36.69                   | 46.0           | -9.31       | 230    | 1.86   |

Antenna Polarization : Vertical

| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Pre-Amp (dB) | Reading Data (dBμV) | Emission Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | AZ (°) | EL (m) |
|-----------------|-----------------|-----------------------|--------------|---------------------|-------------------------|----------------|-------------|--------|--------|
| 55.48           | 2.09            | 10.80                 | 28.21        | 50.16               | 34.83                   | 40.0           | -5.17       | 52     | 1.04   |
| 49.75           | 2.05            | 11.70                 | 28.24        | 42.62               | 28.14                   | 40.0           | -11.86      | 204    | 1.20   |
| 47.11           | 2.04            | 11.80                 | 28.25        | 40.58               | 26.17                   | 40.0           | -13.83      | 50     | 1.64   |
| 39.12           | 1.95            | 13.00                 | 28.28        | 41.32               | 27.99                   | 40.0           | -12.01      | 328    | 2.45   |
| 37.50           | 1.89            | 13.20                 | 28.29        | 39.68               | 26.49                   | 40.0           | -13.51      | 328    | 2.50   |
| 39.23           | 1.95            | 13.00                 | 28.28        | 35.24               | 21.91                   | 40.0           | -18.09      | 183    | 3.13   |

**NOTE:**

1. Measurement uncertainty is 4.20 dB.
2. "": Measurement does not apply for this frequency.
3. Emission Level = Reading Value + Ant. Factor + Cable Loss – Pre-Amplifier.
4. The field strength of other emission frequencies were very low against the limit.

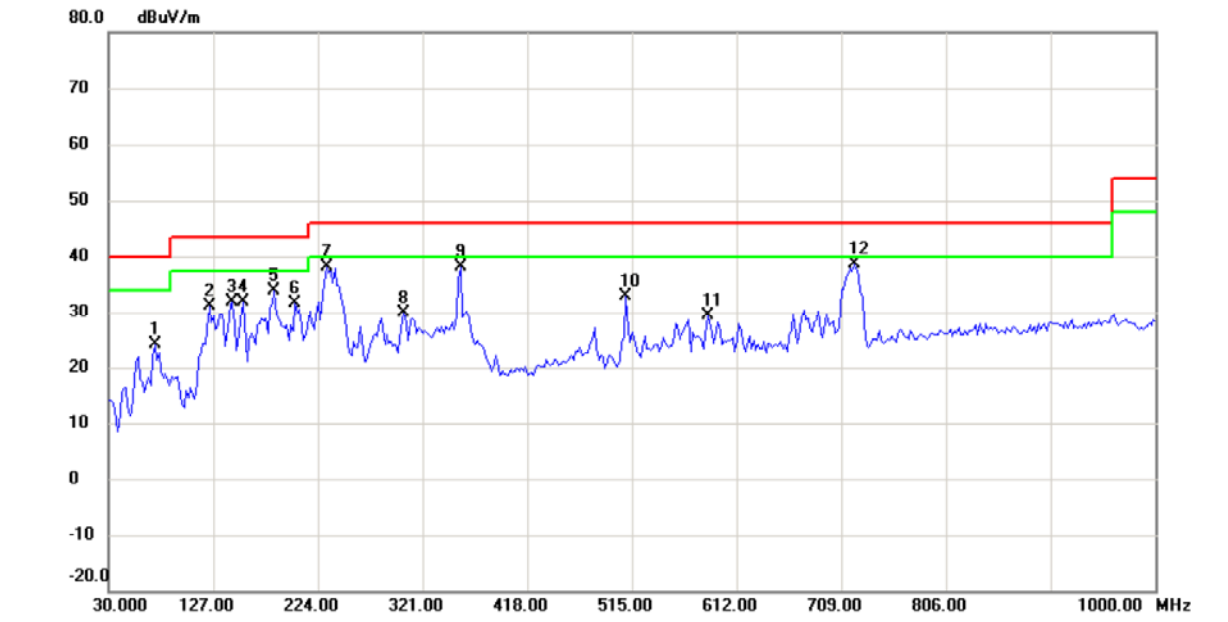


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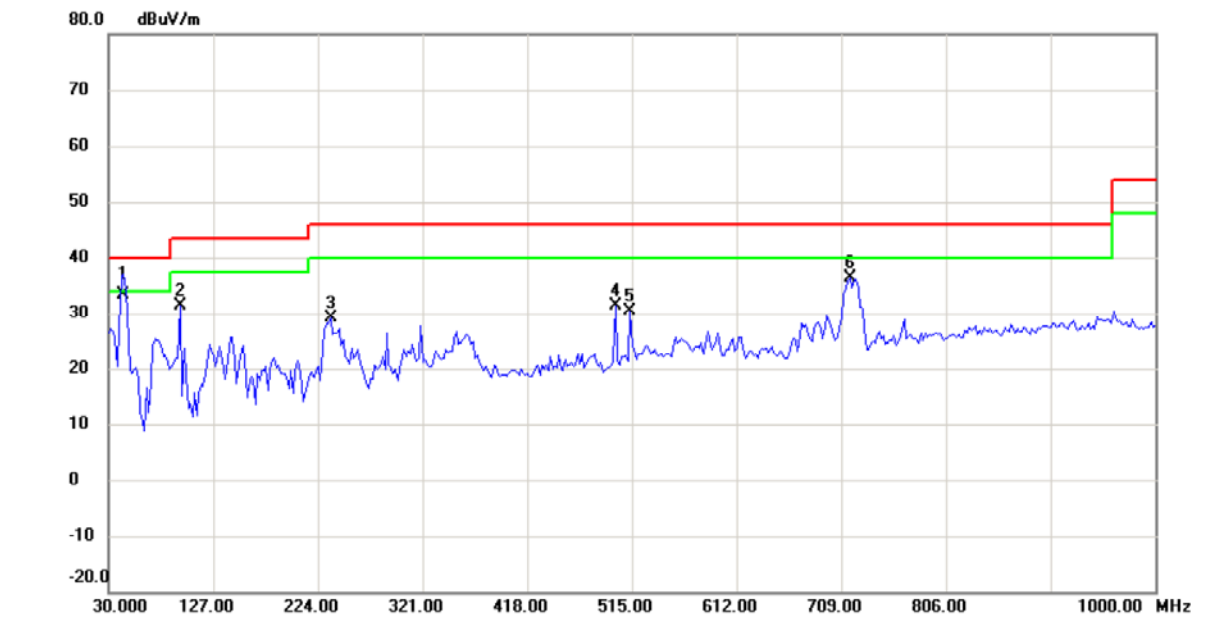
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 23 of 131  
Date: Aug. 02, 2023

Antenna Polarization : Horizontal



Antenna Polarization : Vertical





**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

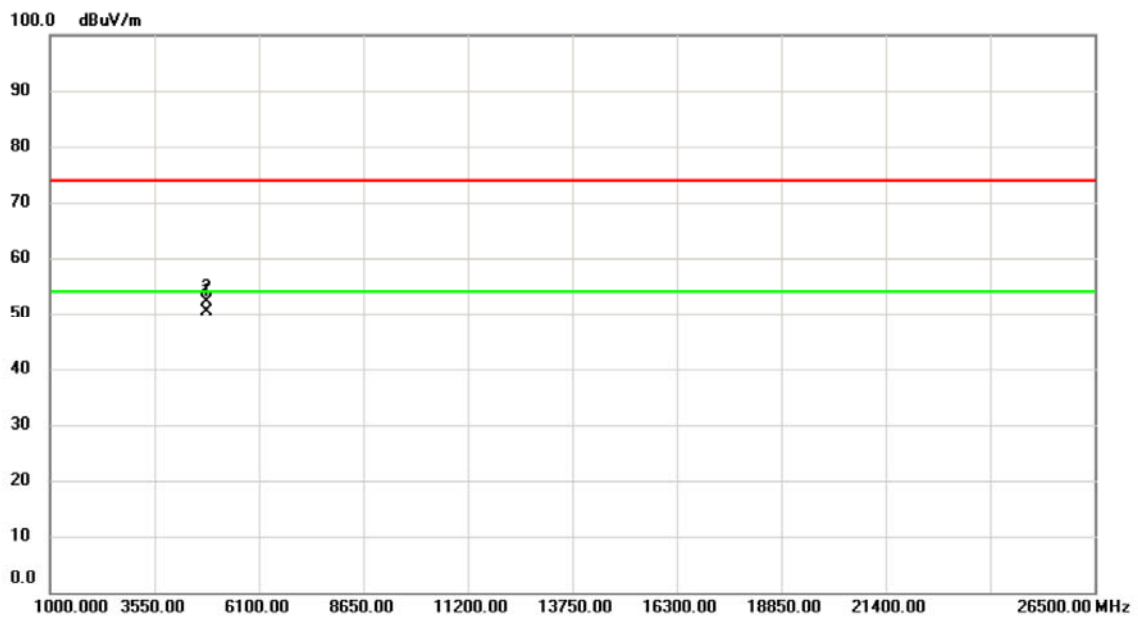
FCC ID : QCI-SKIWB800D3

Page: 24 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11b CH01  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4823.880 | 44.18         | 6.22           | 50.40       | 54.00  | -3.60  | AVG      |         |
| 2   |     | 4823.985 | 46.03         | 6.22           | 52.25       | 74.00  | -21.75 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



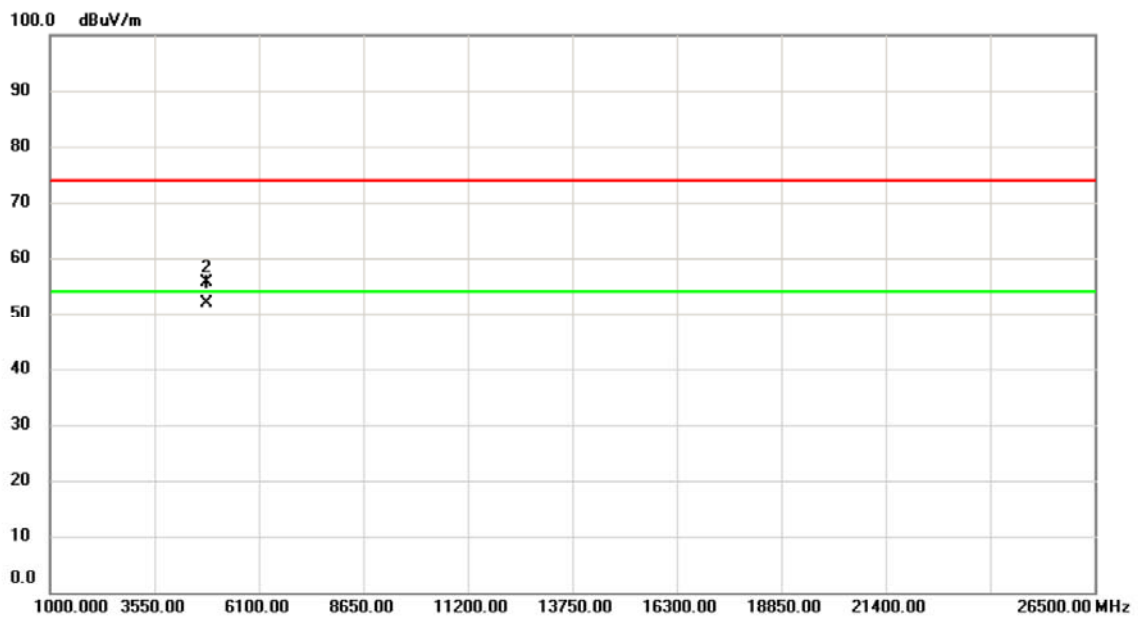
**Spectrum Research & Testing Lab., Inc.**  
No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

## TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 25 of 131  
Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11b CH01  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4823.970 | 45.59         | 6.22           | 51.81       | 54.00  | -2.19  | AVG      |         |
| 2   |     | 4824.110 | 49.42         | 6.22           | 55.64       | 74.00  | -18.36 | peak     |         |

### NOTE:

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

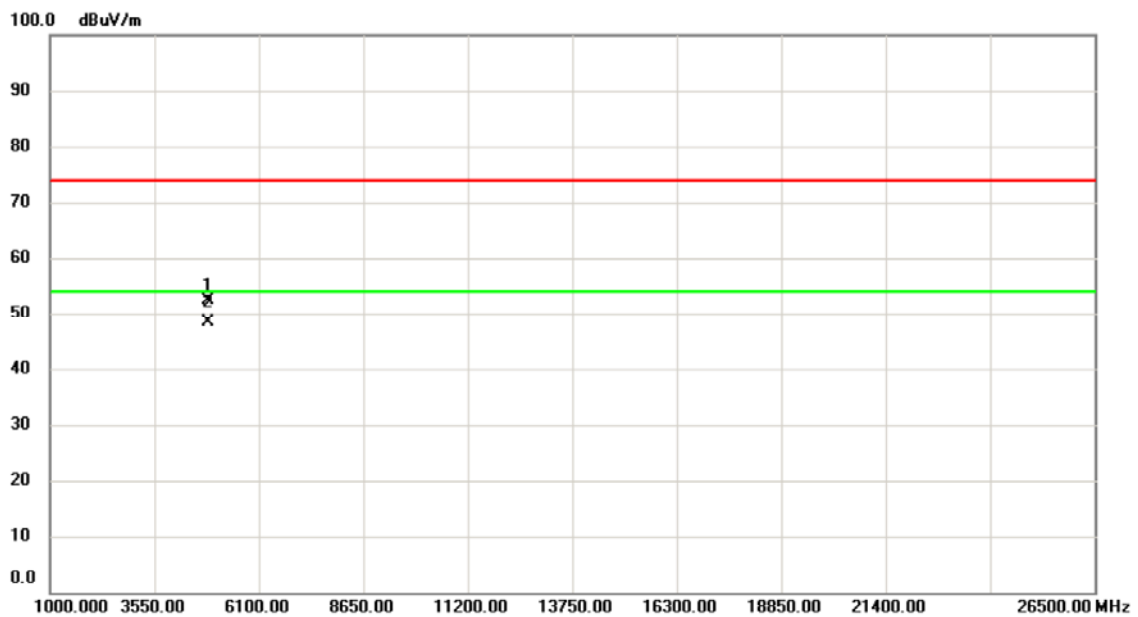
FCC ID : QCI-SKIWB800D3

Page: 26 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11b CH06  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4873.925 | 45.88         | 6.51           | 52.39       | 74.00  | -21.61 | peak     |         |
| 2   | *   | 4873.935 | 41.83         | 6.51           | 48.34       | 54.00  | -5.66  | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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Report No.: FCCA23070303-W0

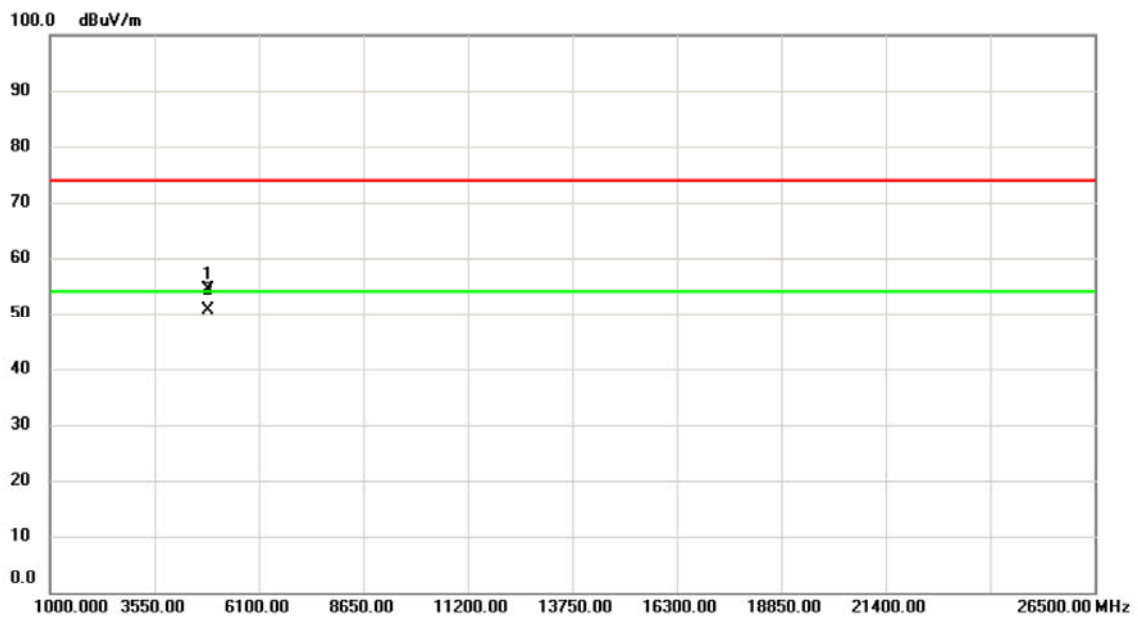
FCC ID : QCI-SKIWB800D3

Page: 27 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11b CH06  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     |          |         |
| 1   |     | 4873.955 | 47.97         | 6.51           | 54.48       | 74.00  | -19.52 | peak     |         |
| 2   | *   | 4873.955 | 44.24         | 6.51           | 50.75       | 54.00  | -3.25  | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

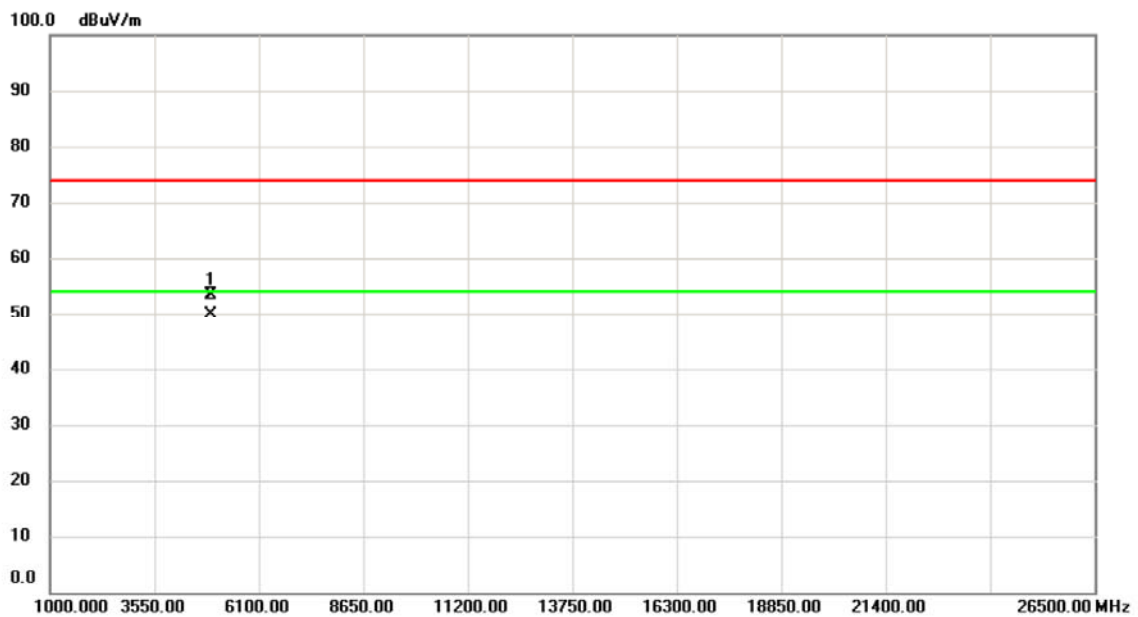
FCC ID : QCI-SKIWB800D3

Page: 28 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11b CH11  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     |          |         |
| 1   |     | 4923.900 | 46.58         | 6.69           | 53.27       | 74.00  | -20.73 | peak     |         |
| 2   | *   | 4923.905 | 43.22         | 6.69           | 49.91       | 54.00  | -4.09  | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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Reference No.: A23070303

Report No.: FCCA23070303-W0

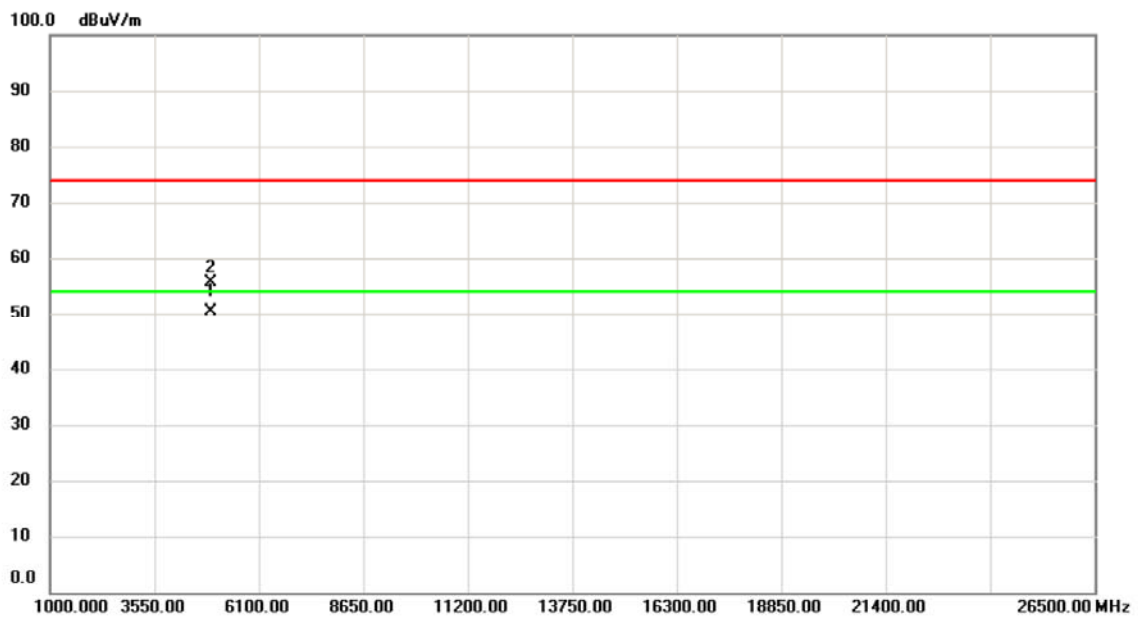
FCC ID : QCI-SKIWB800D3

Page: 29 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11b CH11  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4923.995 | 43.65         | 6.69           | 50.34       | 54.00  | -3.66  | AVG      |         |
| 2   |     | 4924.050 | 48.88         | 6.69           | 55.57       | 74.00  | -18.43 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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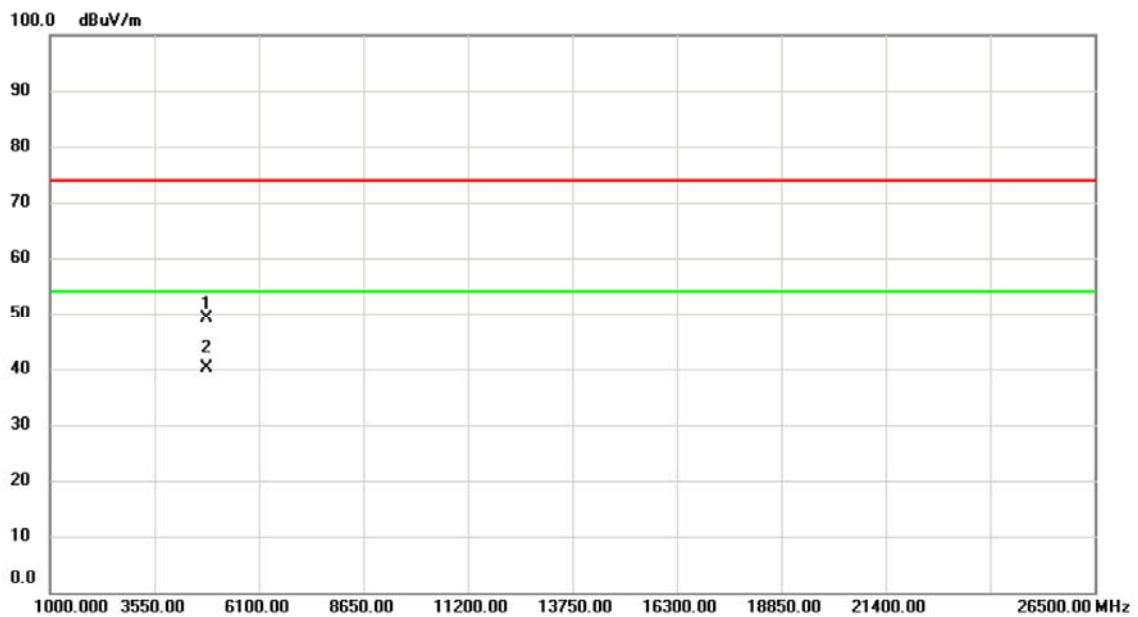
FCC ID : QCI-SKIWB800D3

Page: 30 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11g CH01  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4823.170 | 42.80         | 6.22           | 49.02       | 74.00  | -24.98 | peak     |         |
| 2   | *   | 4823.735 | 33.85         | 6.22           | 40.07       | 54.00  | -13.93 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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Report No.: FCCA23070303-W0

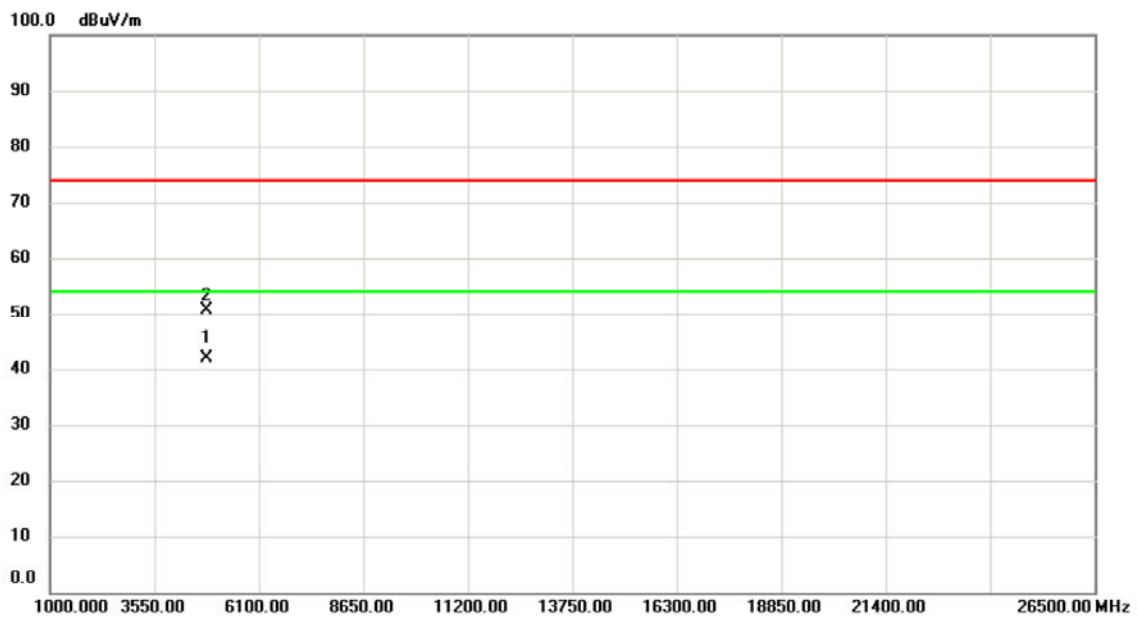
FCC ID : QCI-SKIWB800D3

Page: 31 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11g CH01  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4823.830 | 35.75         | 6.22           | 41.97       | 54.00  | -12.03 | AVG      |         |
| 2   |     | 4825.705 | 44.35         | 6.23           | 50.58       | 74.00  | -23.42 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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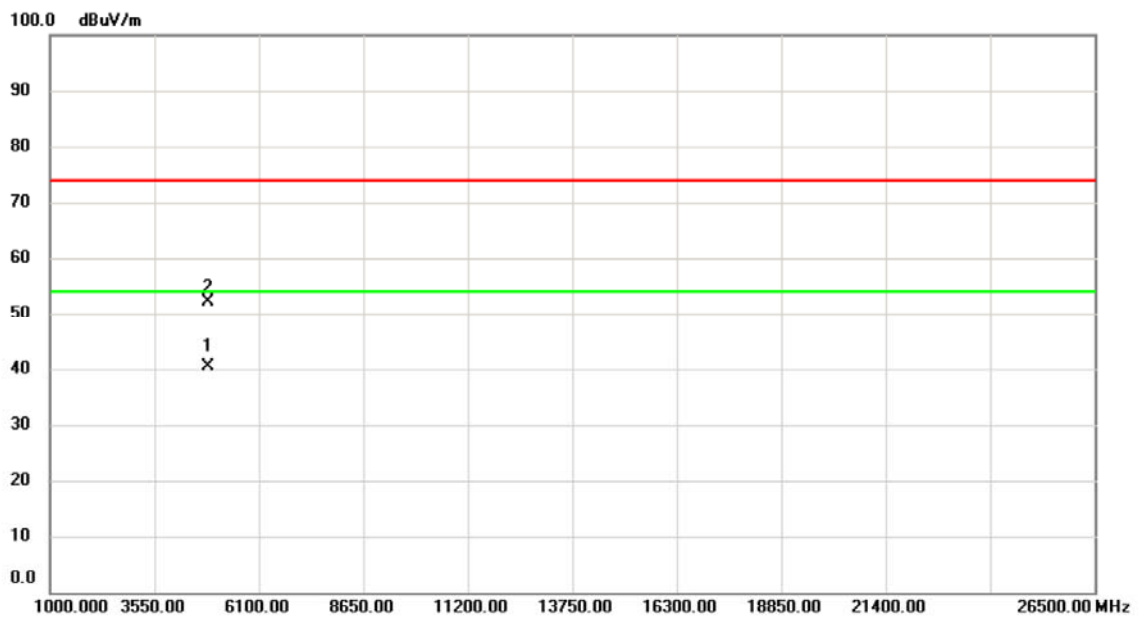
FCC ID : QCI-SKIWB800D3

Page: 32 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11g CH06  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4872.935 | 33.79         | 6.50           | 40.29       | 54.00  | -13.71 | AVG      |         |
| 2   |     | 4875.420 | 45.50         | 6.52           | 52.02       | 74.00  | -21.98 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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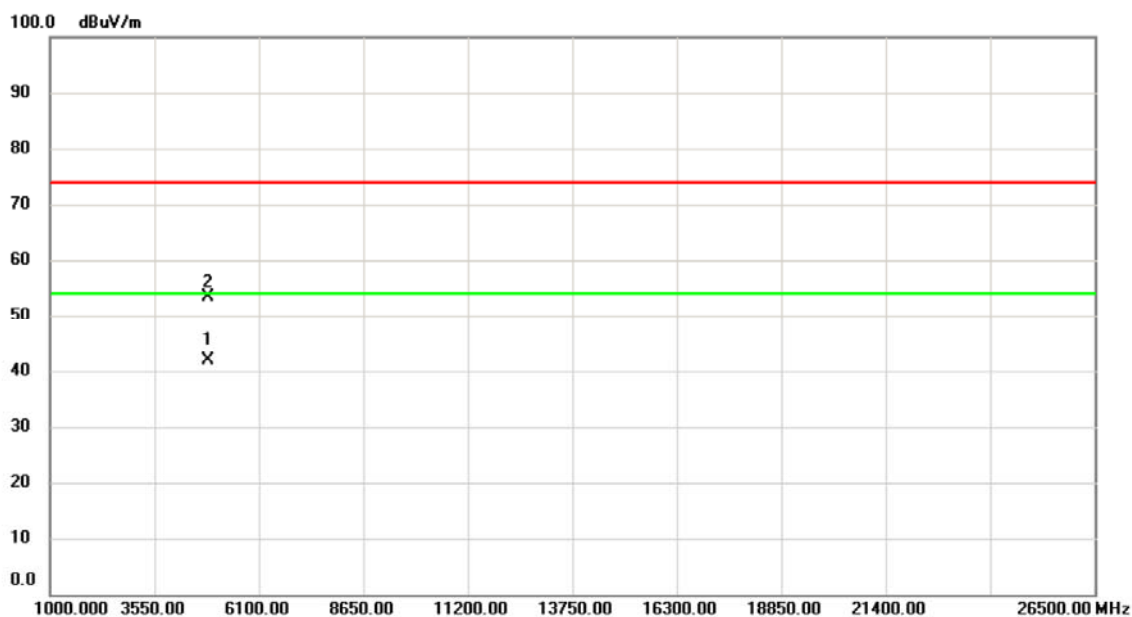
No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

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Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 33 of 131  
Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11g CH06  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4873.905 | 35.25         | 6.51           | 41.76       | 54.00  | -12.24 | AVG      |         |
| 2   |     | 4875.375 | 46.86         | 6.52           | 53.38       | 74.00  | -20.62 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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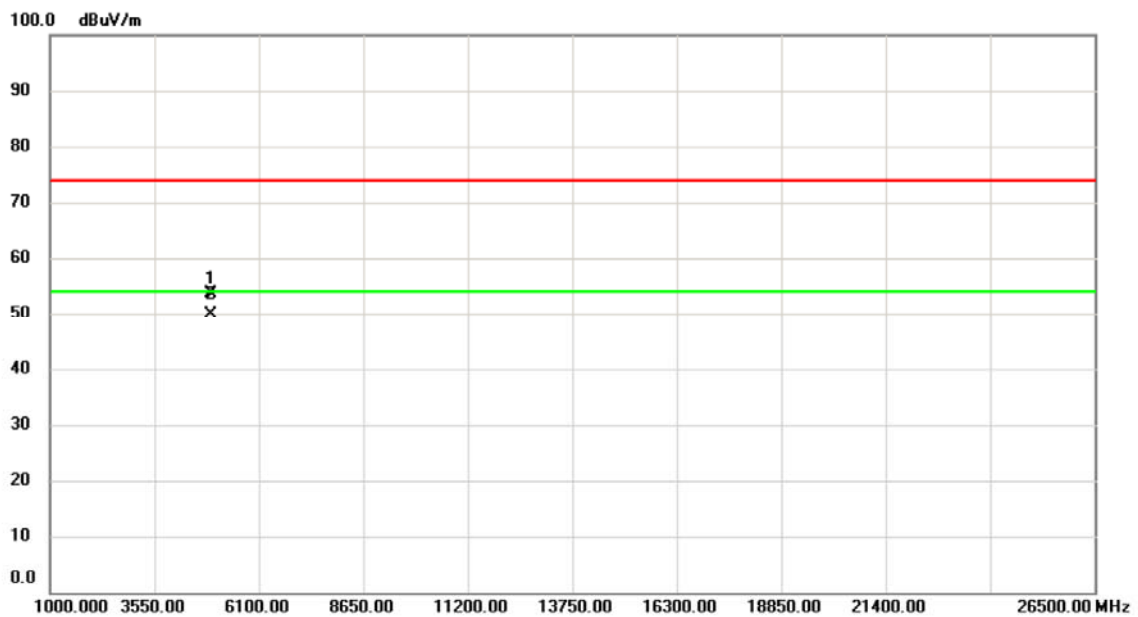
FCC ID : QCI-SKIWB800D3

Page: 34 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11g CH11  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4923.765 | 47.05         | 6.69           | 53.74       | 74.00  | -20.26 | peak     |         |
| 2   | *   | 4923.900 | 43.16         | 6.69           | 49.85       | 54.00  | -4.15  | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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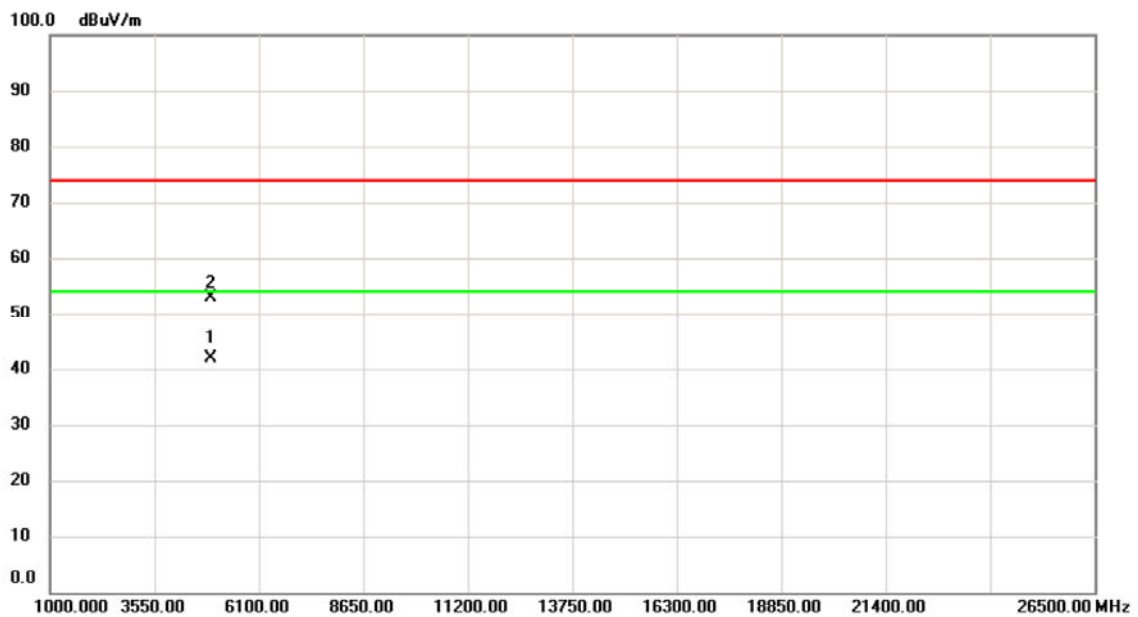
FCC ID : QCI-SKIWB800D3

Page: 35 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11g CH11  |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4924.050 | 35.31         | 6.69           | 42.00       | 54.00  | -12.00 | AVG      |         |
| 2   |     | 4925.165 | 46.17         | 6.69           | 52.86       | 74.00  | -21.14 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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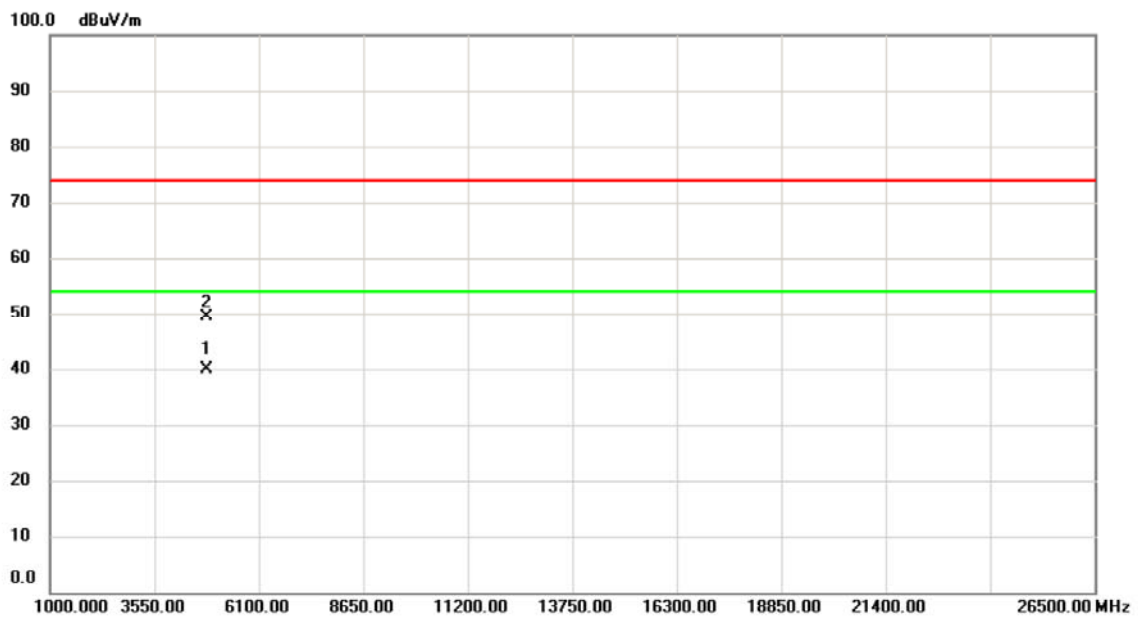
FCC ID : QCI-SKIWB800D3

Page: 36 of 131

Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT20 CH01 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4822.590 | 33.73         | 6.22           | 39.95       | 54.00  | -14.05 | AVG      |         |
| 2   |     | 4822.810 | 43.12         | 6.22           | 49.34       | 74.00  | -24.66 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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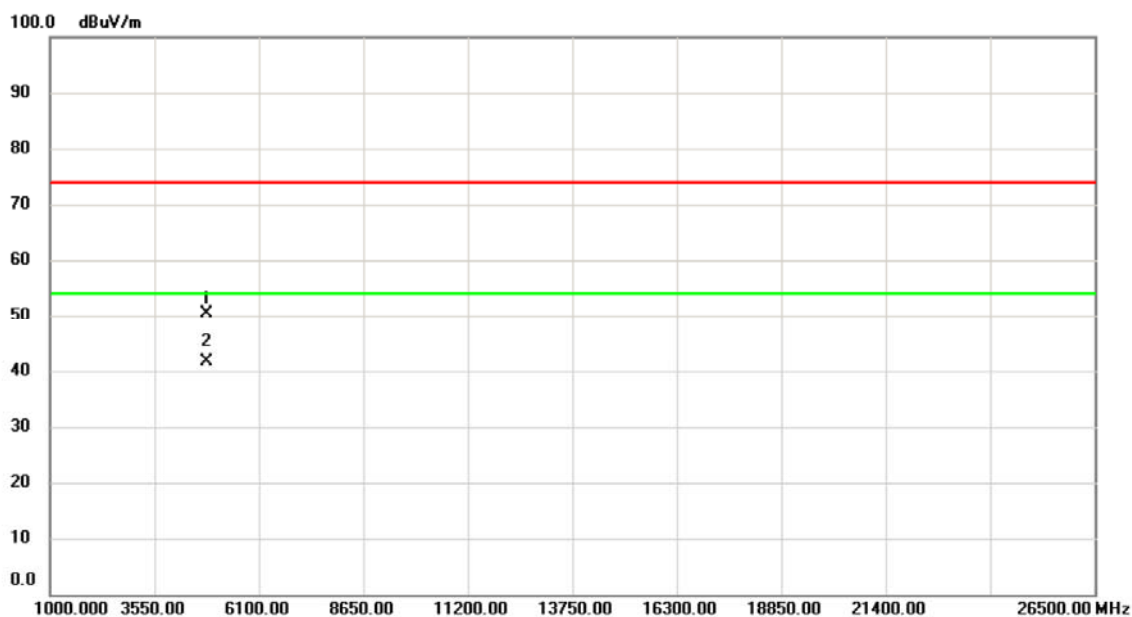
No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

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Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 37 of 131  
Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT20 CH01 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4822.655 | 44.26         | 6.22           | 50.48        | 74.00  | -23.52 | peak     |         |
| 2   | *   | 4823.065 | 35.35         | 6.22           | 41.57        | 54.00  | -12.43 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

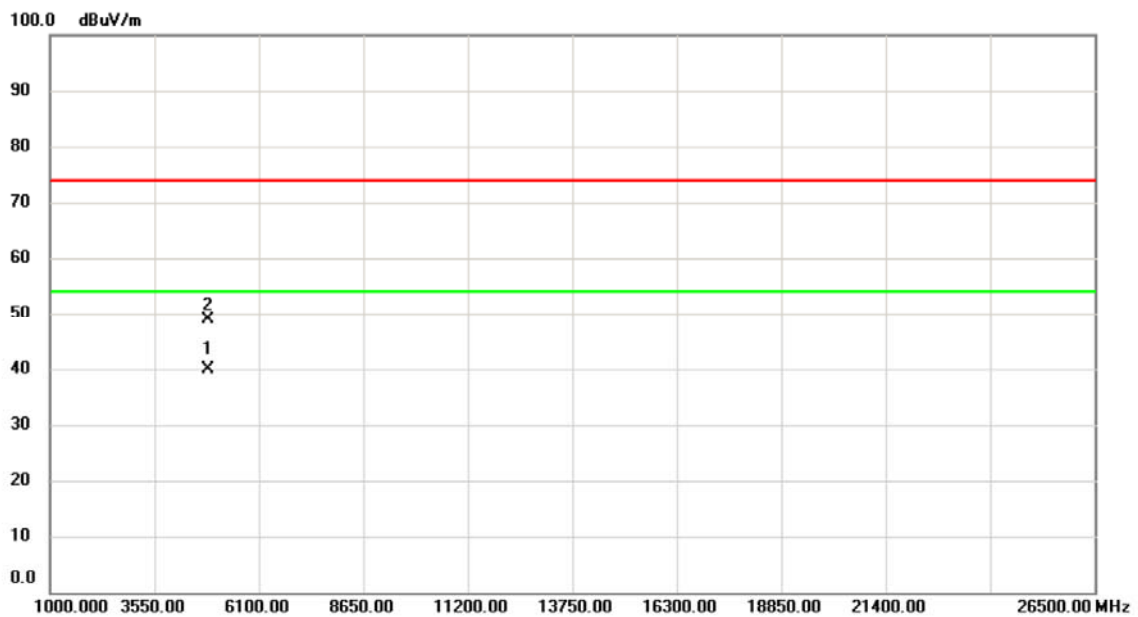
FCC ID : QCI-SKIWB800D3

Page: 38 of 131

Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT20 CH06 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4872.385 | 33.35         | 6.49           | 39.84       | 54.00  | -14.16 | AVG      |         |
| 2   |     | 4875.535 | 42.28         | 6.52           | 48.80       | 74.00  | -25.20 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

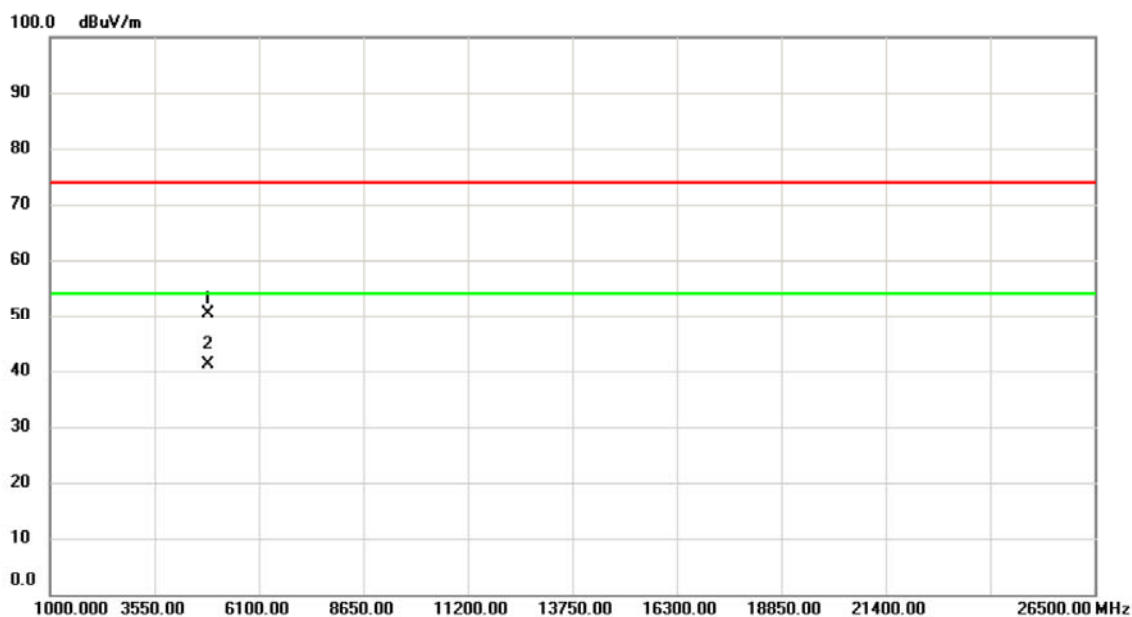
No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 39 of 131  
Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT20 CH06 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4872.575 | 43.76         | 6.50           | 50.26       | 74.00  | -23.74 | peak     |         |
| 2   | *   | 4875.350 | 34.60         | 6.52           | 41.12       | 54.00  | -12.88 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

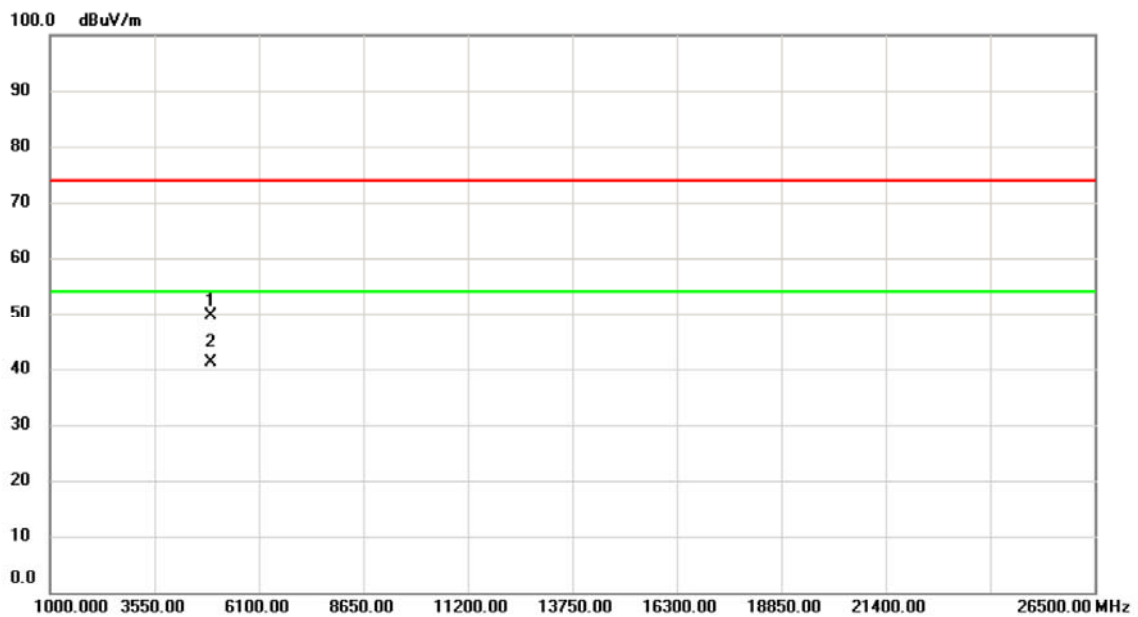
FCC ID : QCI-SKIWB800D3

Page: 40 of 131

Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT20 CH11 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4922.805 | 43.00         | 6.69           | 49.69       | 74.00  | -24.31 | peak     |         |
| 2   | *   | 4925.540 | 34.43         | 6.69           | 41.12       | 54.00  | -12.88 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



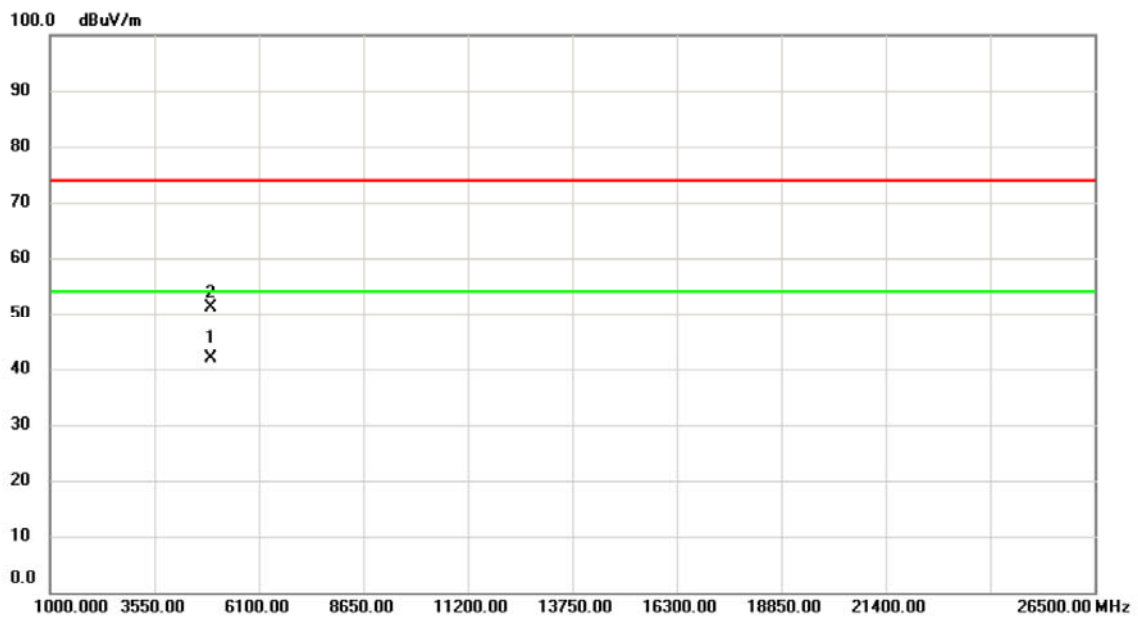
**Spectrum Research & Testing Lab., Inc.**  
No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

## TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 41 of 131  
Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT20 CH11 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4924.855 | 35.17         | 6.69           | 41.86       | 54.00  | -12.14 | AVG      |         |
| 2   |     | 4925.565 | 44.56         | 6.69           | 51.25       | 74.00  | -22.75 | peak     |         |

### NOTE:

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



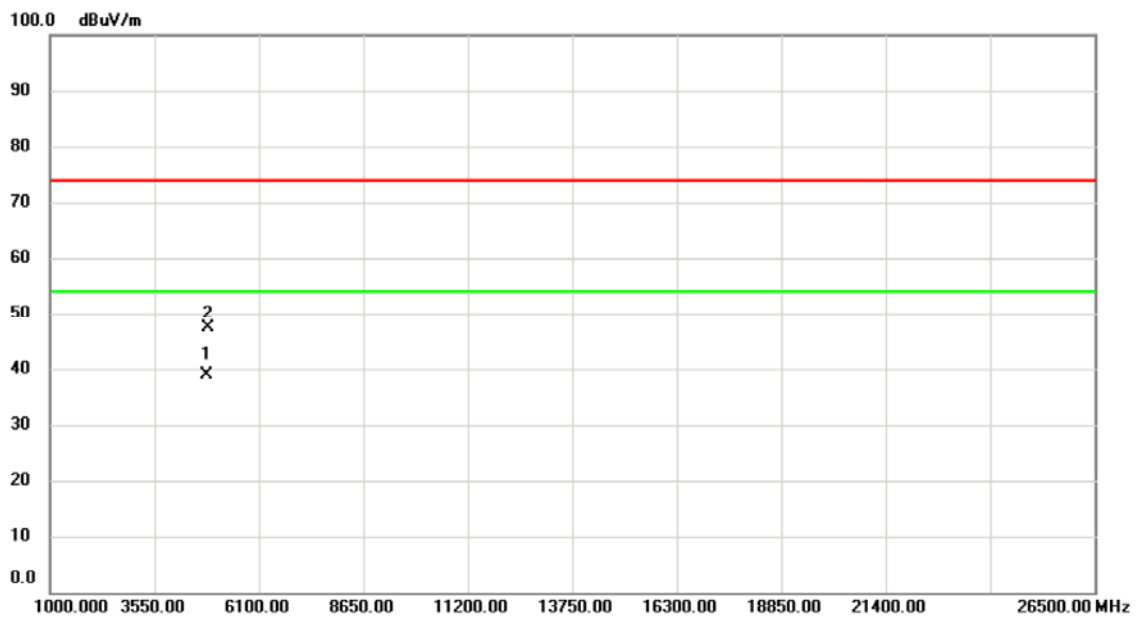
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No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

## TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 42 of 131  
Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT40 CH03 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4841.595 | 32.60         | 6.35           | 38.95       | 54.00  | -15.05 | AVG      |         |
| 2   |     | 4843.020 | 41.02         | 6.37           | 47.39       | 74.00  | -26.61 | peak     |         |

### NOTE:

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



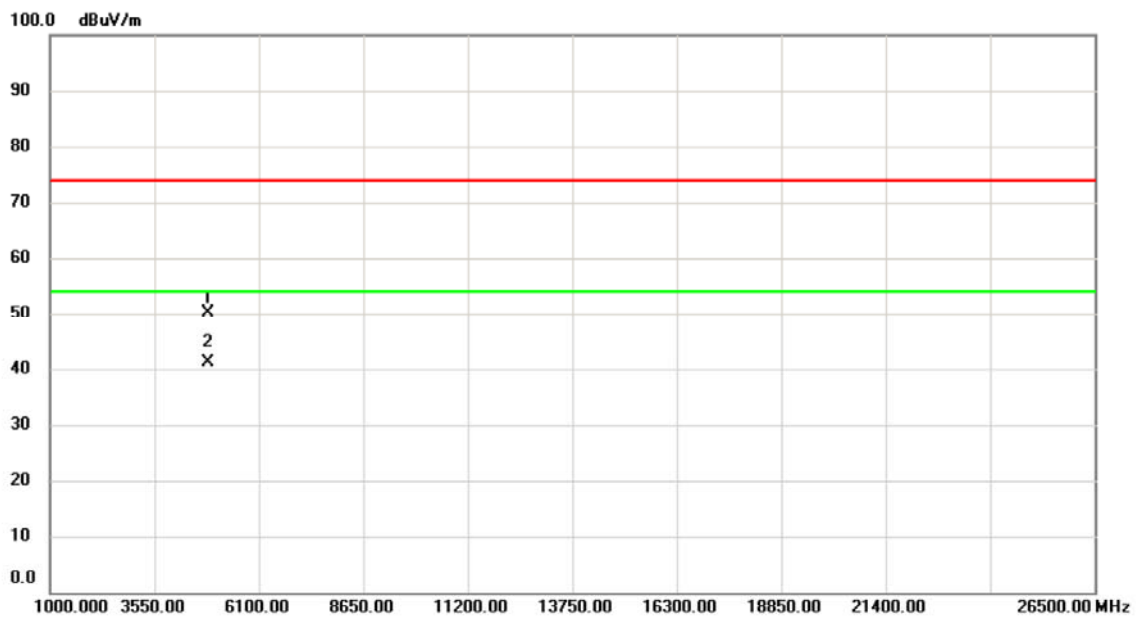
**Spectrum Research & Testing Lab., Inc.**  
No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

## TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 43 of 131  
Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT40 CH03 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4842.565 | 43.64         | 6.37           | 50.01        | 74.00  | -23.99 | peak     |         |
| 2   | *   | 4844.535 | 34.74         | 6.38           | 41.12        | 54.00  | -12.88 | AVG      |         |

### NOTE:

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

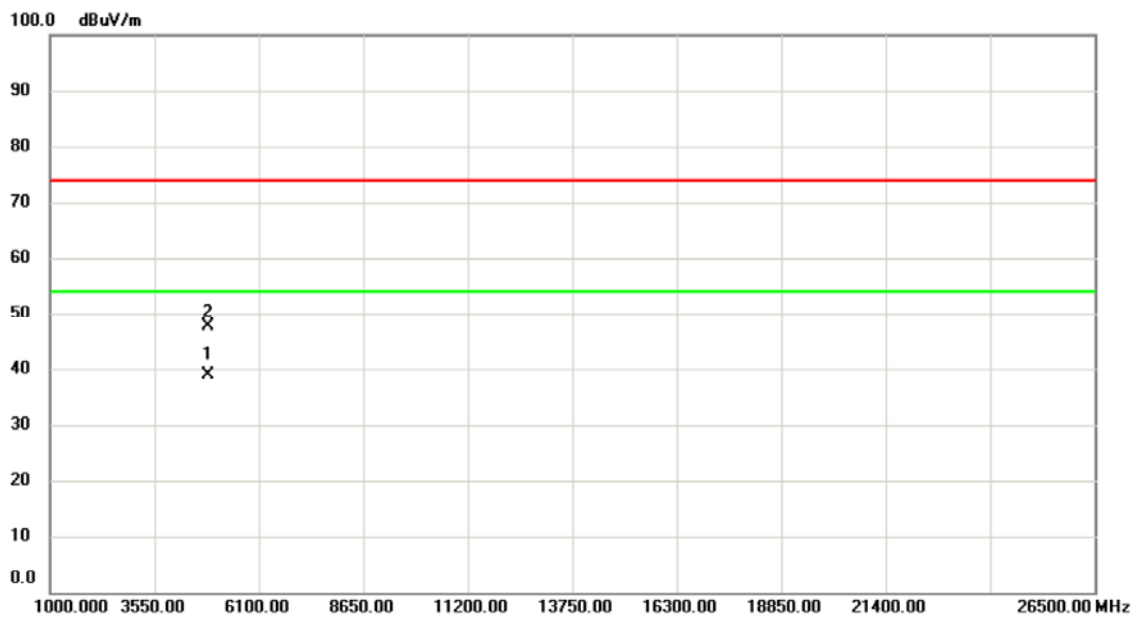
FCC ID : QCI-SKIWB800D3

Page: 44 of 131

Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT40 CH06 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4871.810 | 32.49         | 6.49           | 38.98       | 54.00  | -15.02 | AVG      |         |
| 2   |     | 4874.730 | 41.19         | 6.51           | 47.70       | 74.00  | -26.30 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

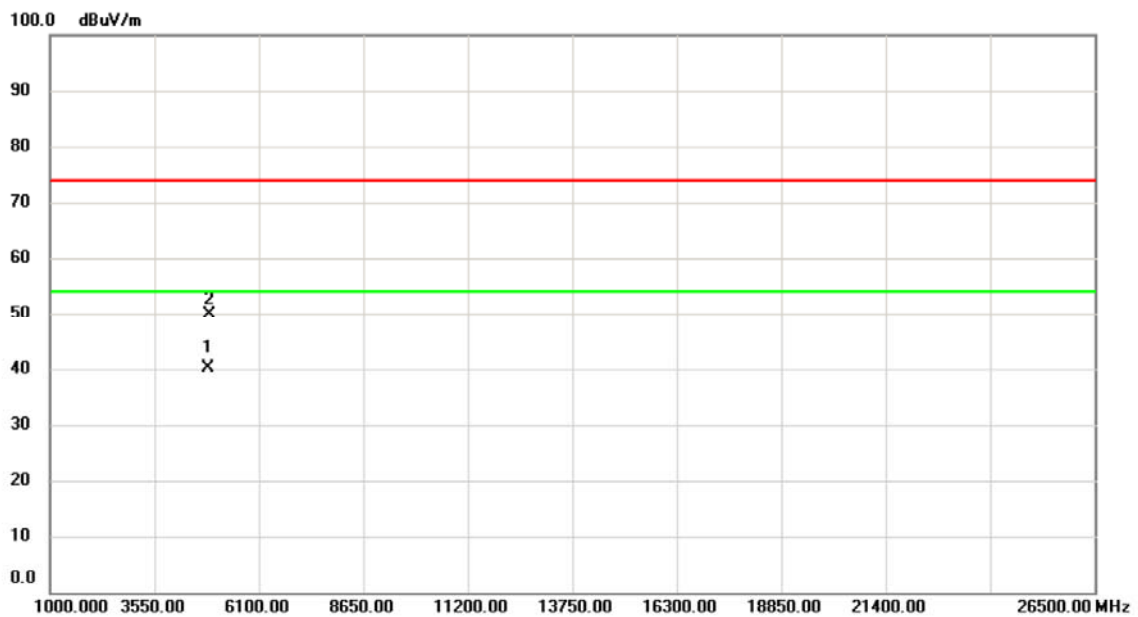
FCC ID : QCI-SKIWB800D3

Page: 45 of 131

Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT40 CH06 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4873.960 | 33.64         | 6.51           | 40.15       | 54.00  | -13.85 | AVG      |         |
| 2   |     | 4876.370 | 43.37         | 6.52           | 49.89       | 74.00  | -24.11 | peak     |         |

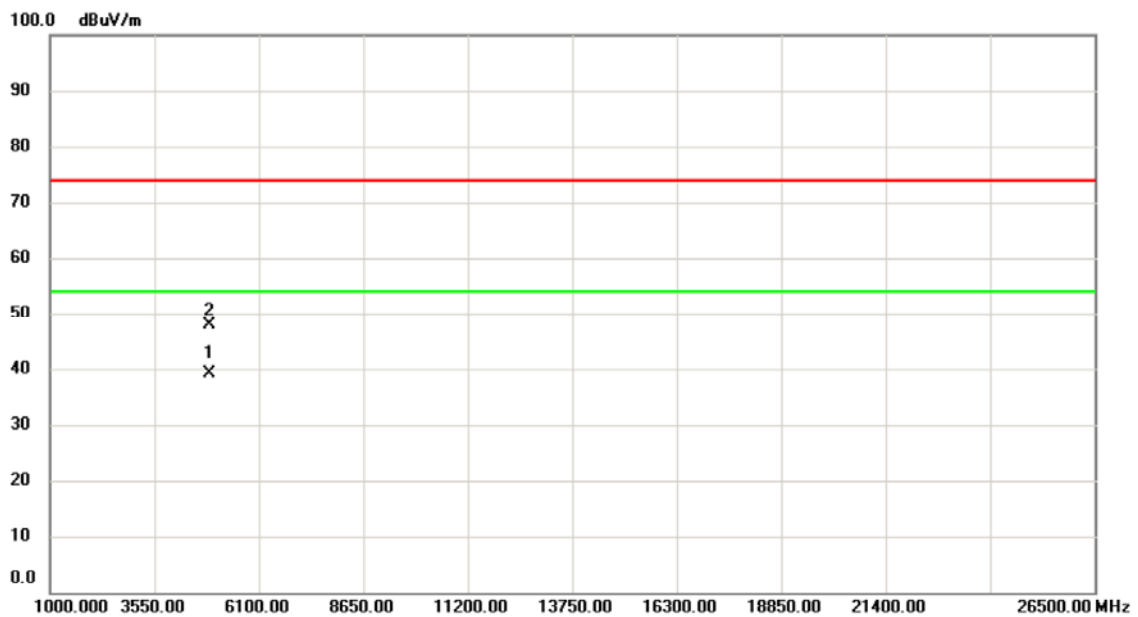
**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT40 CH09 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4902.685 | 32.42         | 6.61           | 39.03       | 54.00  | -14.97 | AVG      |         |
| 2   |     | 4905.110 | 41.13         | 6.63           | 47.76       | 74.00  | -26.24 | peak     |         |

#### NOTE:

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

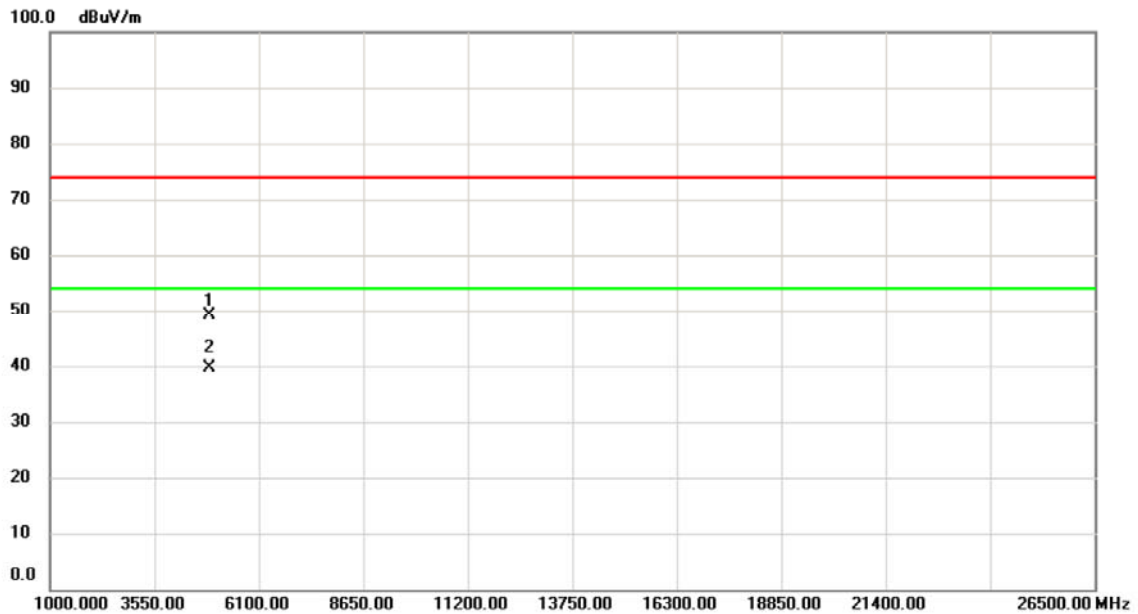
FCC ID : QCI-SKIWB800D3

Page: 47 of 131

Date: Aug. 02, 2023

|                  |             |               |                     |
|------------------|-------------|---------------|---------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH              |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11n – HT40 CH09 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz               |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023       |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4902.695 | 42.59         | 6.61           | 49.20       | 74.00  | -24.80 | peak     |         |
| 2   | *   | 4906.275 | 33.10         | 6.63           | 39.73       | 54.00  | -14.27 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

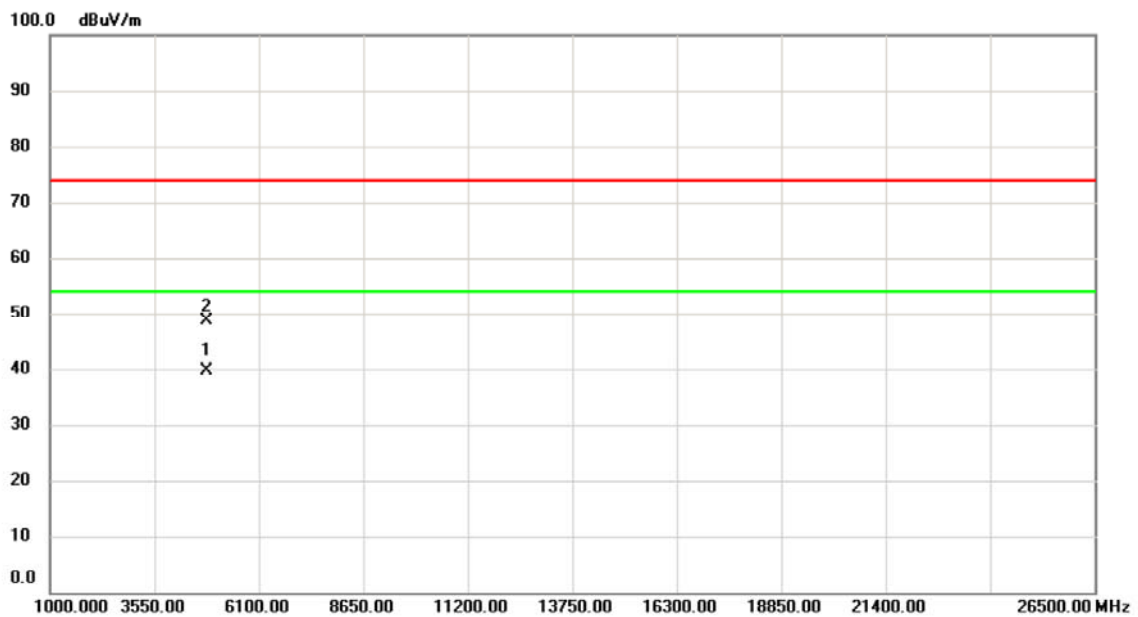
FCC ID : QCI-SKIWB800D3

Page: 48 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE20 CH01 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4823.945 | 33.49         | 6.22           | 39.71       | 54.00  | -14.29 | AVG      |         |
| 2   |     | 4825.170 | 42.32         | 6.23           | 48.55       | 74.00  | -25.45 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

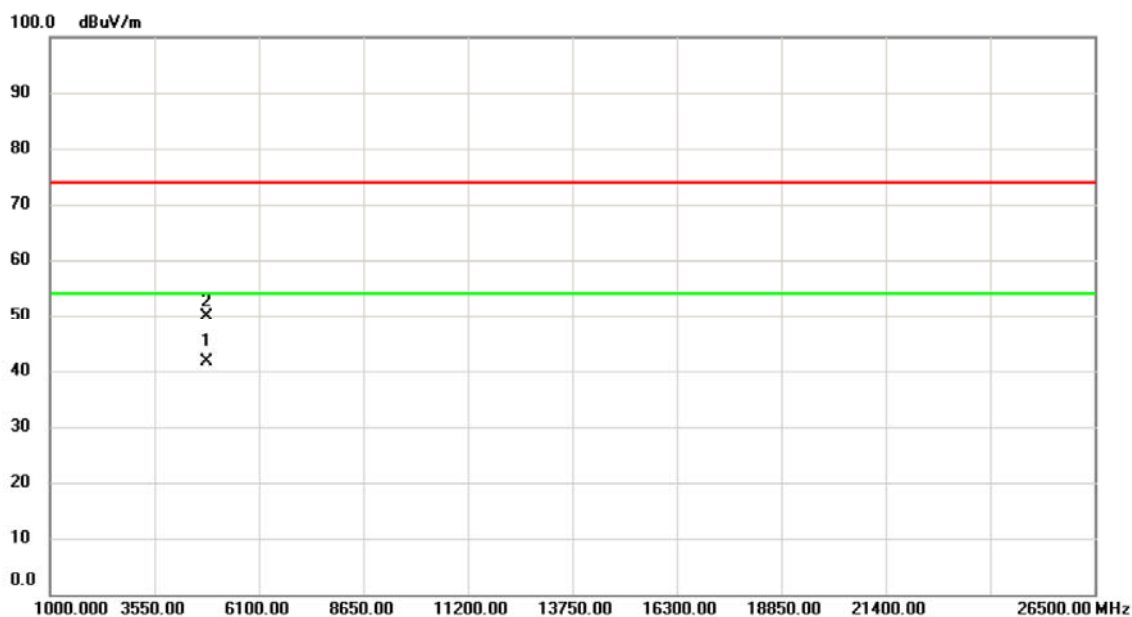
No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 49 of 131  
Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE20 CH01 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4822.435 | 35.43         | 6.21           | 41.64       | 54.00  | -12.36 | AVG      |         |
| 2   |     | 4822.810 | 43.62         | 6.22           | 49.84       | 74.00  | -24.16 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

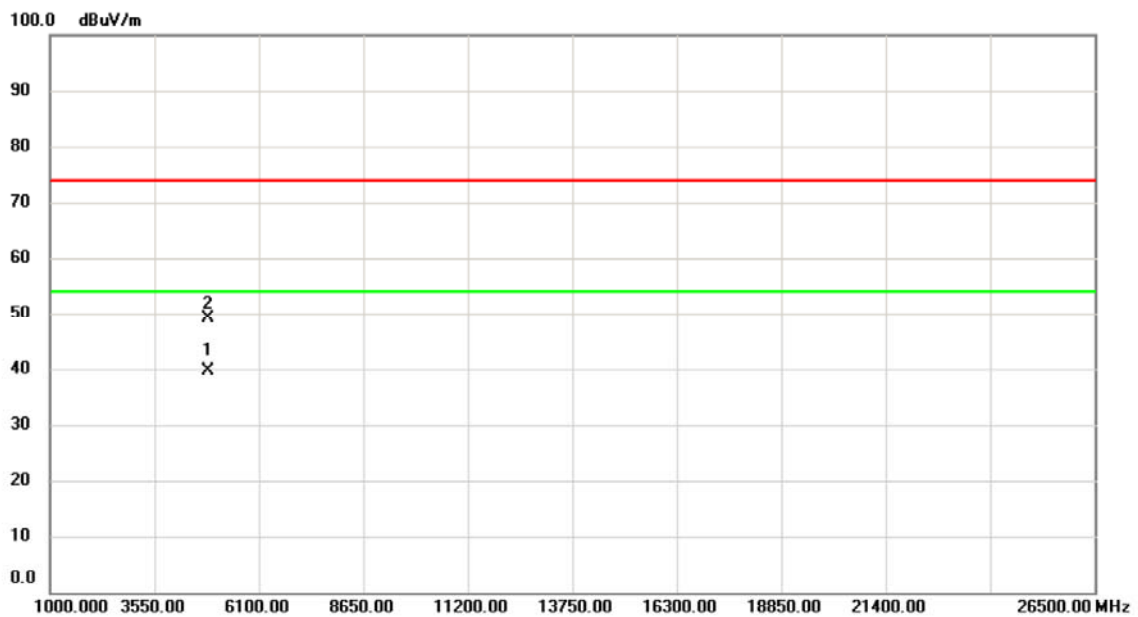
FCC ID : QCI-SKIWB800D3

Page: 50 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE20 CH06 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4822.435 | 35.43         | 6.21           | 41.64       | 54.00  | -12.36 | AVG      |         |
| 2   |     | 4822.810 | 43.62         | 6.22           | 49.84       | 74.00  | -24.16 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

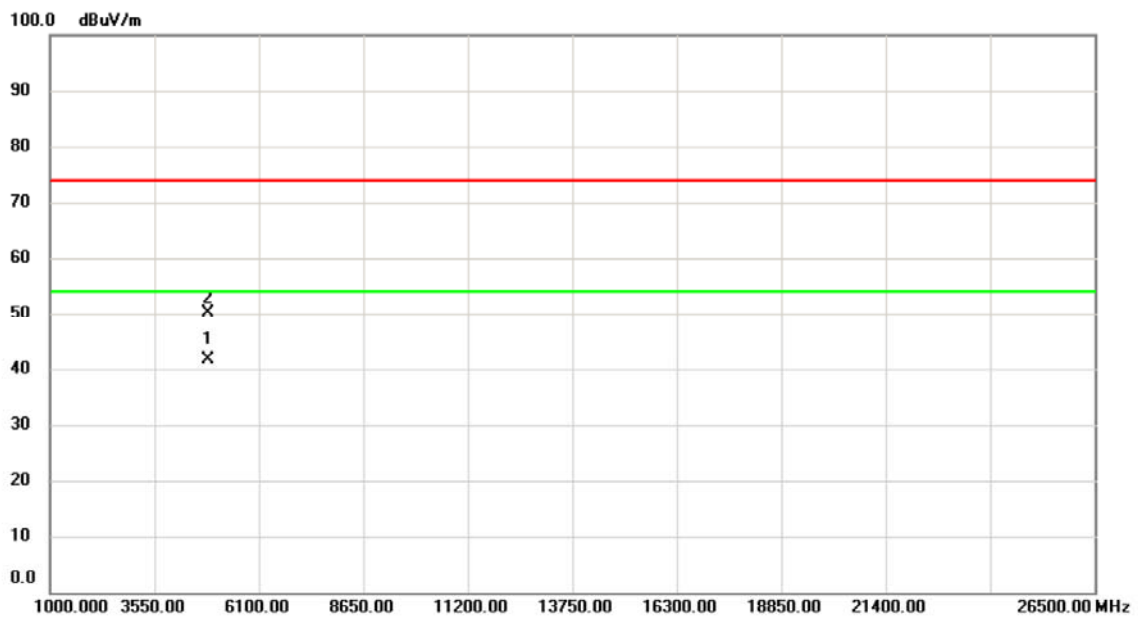
FCC ID : QCI-SKIWB800D3

Page: 51 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE20 CH06 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4872.435 | 33.19         | 6.49           | 39.68       | 54.00  | -14.32 | AVG      |         |
| 2   |     | 4872.935 | 42.68         | 6.50           | 49.18       | 74.00  | -24.82 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



**Spectrum Research & Testing Lab., Inc.**

No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

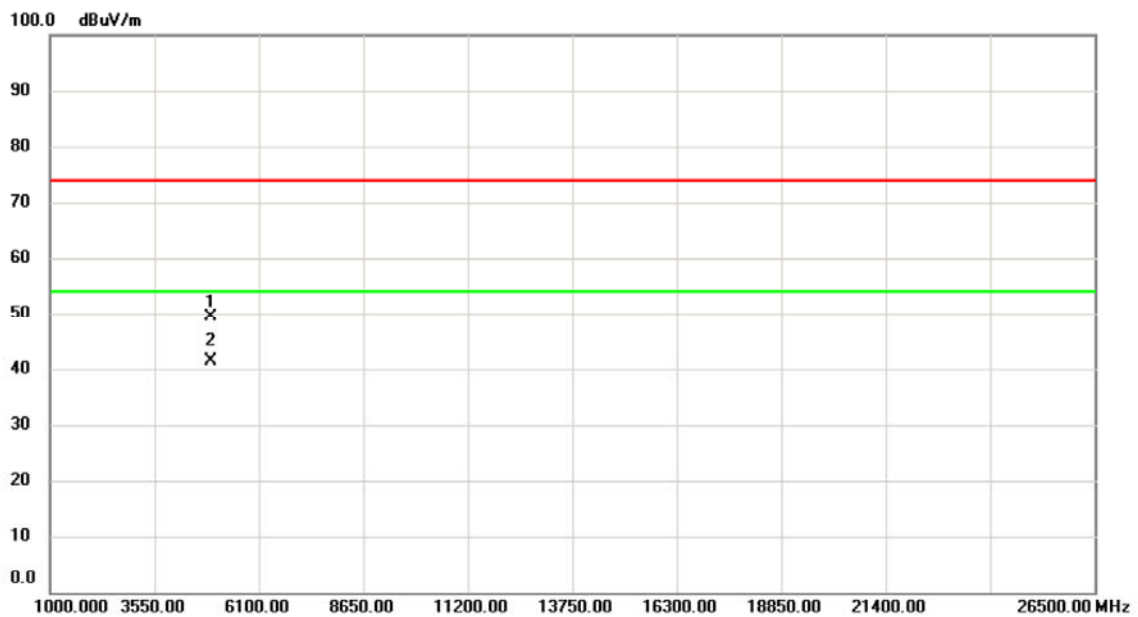
FCC ID : QCI-SKIWB800D3

Page: 52 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE20 CH11 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4873.145 | 35.08         | 6.51           | 41.59       | 54.00  | -12.41 | AVG      |         |
| 2   |     | 4873.405 | 43.57         | 6.51           | 50.08       | 74.00  | -23.92 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



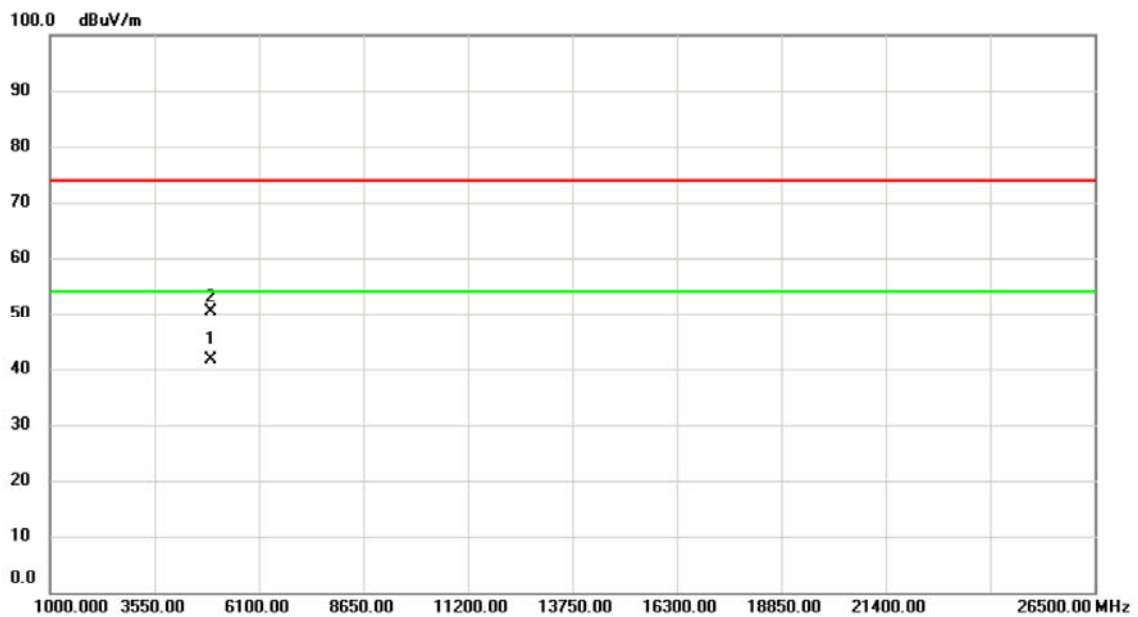
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## TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 53 of 131  
Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE20 CH11 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4924.370 | 42.67         | 6.69           | 49.36       | 74.00  | -24.64 | peak     |         |
| 2   | *   | 4926.290 | 34.57         | 6.69           | 41.26       | 54.00  | -12.74 | AVG      |         |

### NOTE:

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

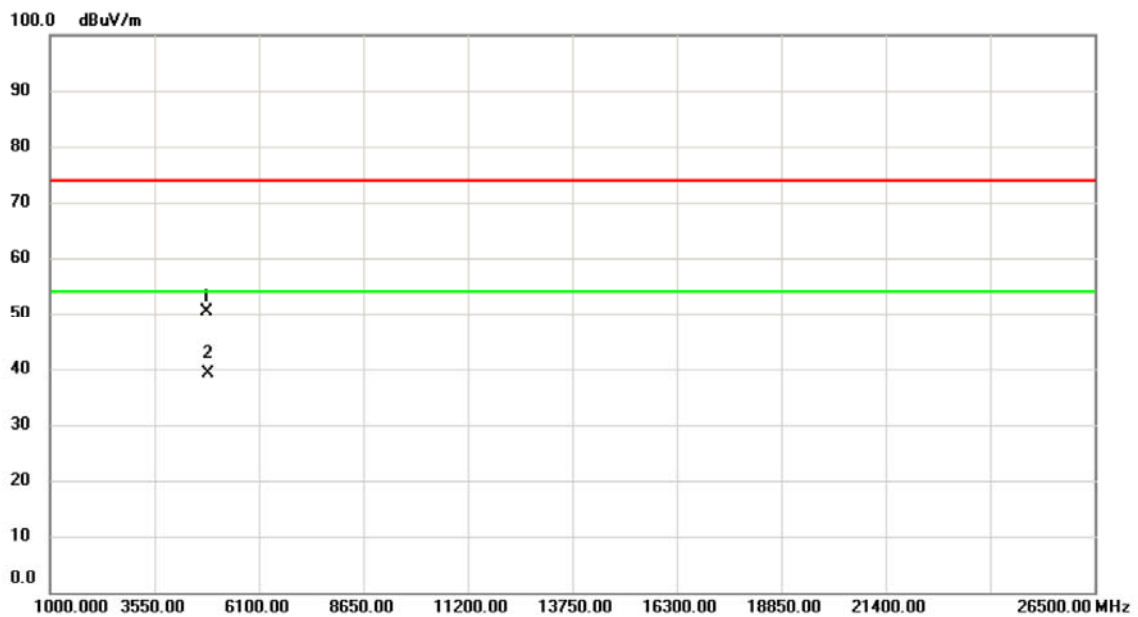
FCC ID : QCI-SKIWB800D3

Page: 54 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE40 CH03 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     |          |         |
| 1   | *   | 4924.155 | 34.97         | 6.69           | 41.66       | 54.00  | -12.34 | AVG      |         |
| 2   |     | 4924.445 | 43.61         | 6.69           | 50.30       | 74.00  | -23.70 | peak     |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

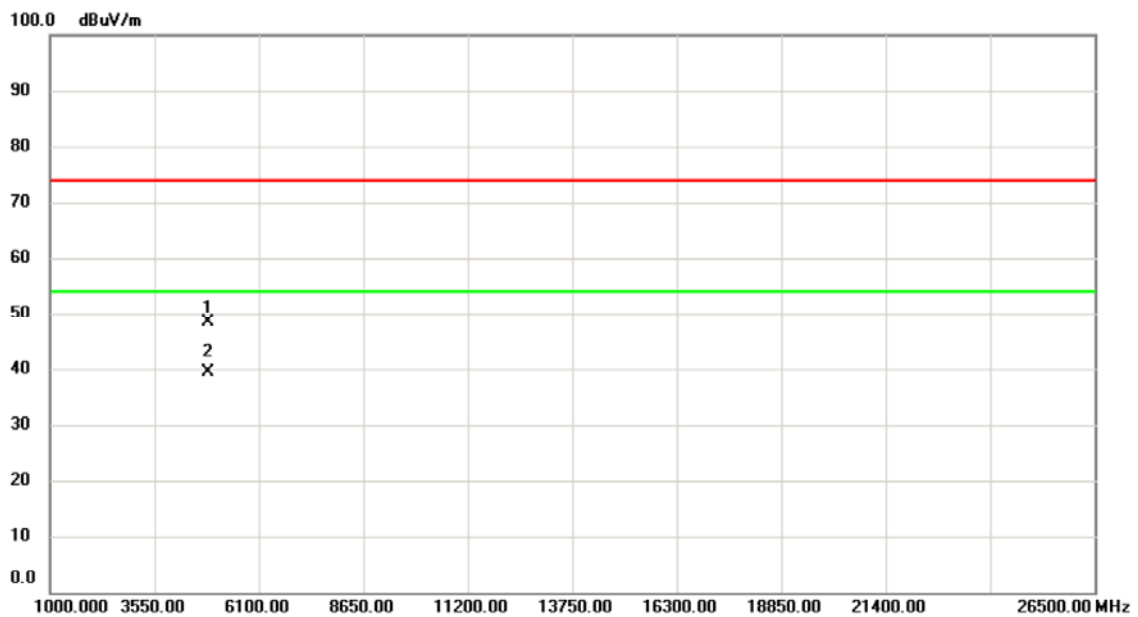
FCC ID : QCI-SKIWB800D3

Page: 55 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE40 CH03 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4841.665 | 44.07         | 6.35           | 50.42       | 74.00  | -23.58 | peak     |         |
| 2   | *   | 4842.865 | 32.83         | 6.37           | 39.20       | 54.00  | -14.80 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

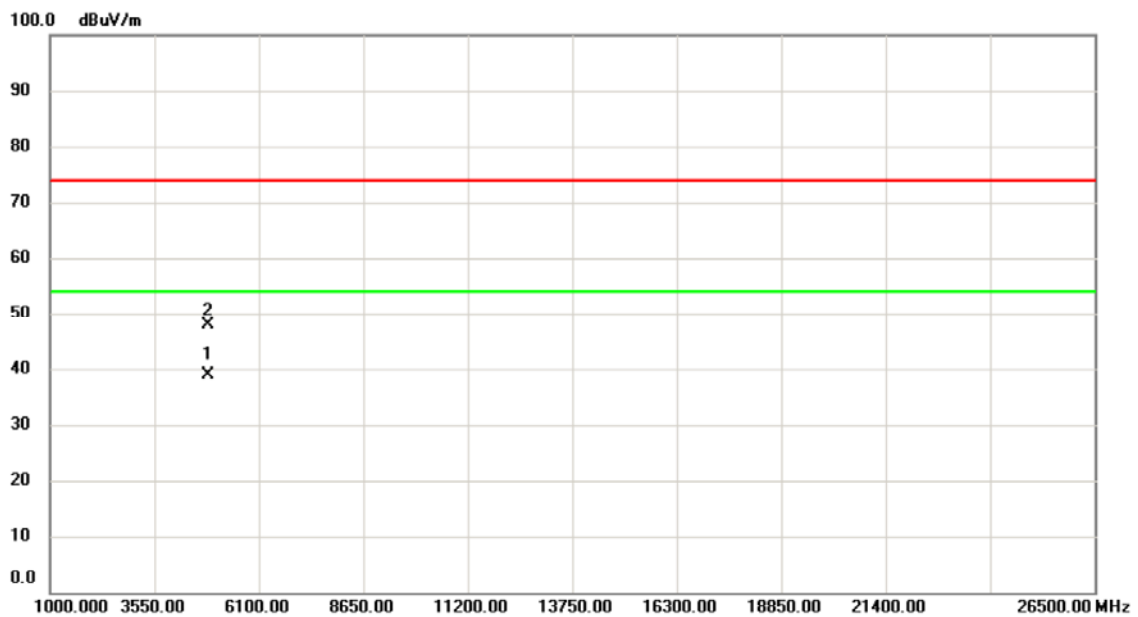
FCC ID : QCI-SKIWB800D3

Page: 56 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE40 CH06 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4846.065 | 42.07         | 6.39           | 48.46       | 74.00  | -25.54 | peak     |         |
| 2   | *   | 4846.265 | 32.91         | 6.39           | 39.30       | 54.00  | -14.70 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.: Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F): The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

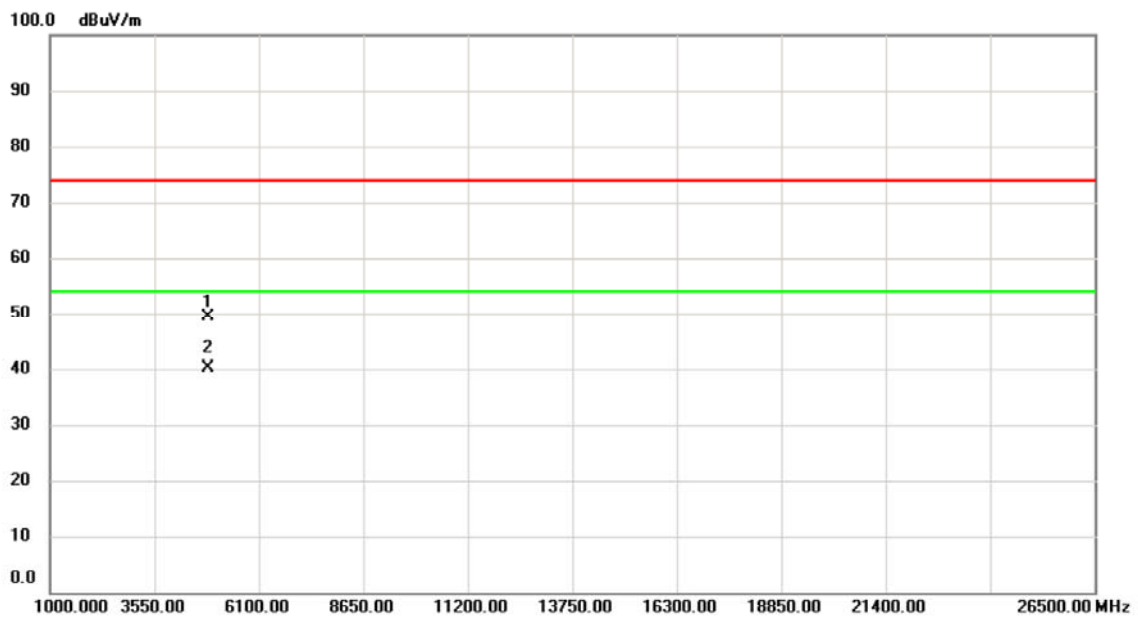
FCC ID : QCI-SKIWB800D3

Page: 57 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE40 CH06 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 4871.765 | 32.30         | 6.49           | 38.79       | 54.00  | -15.21 | AVG      |         |
| 2   |     | 4874.470 | 41.34         | 6.51           | 47.85       | 74.00  | -26.15 | peak     |         |

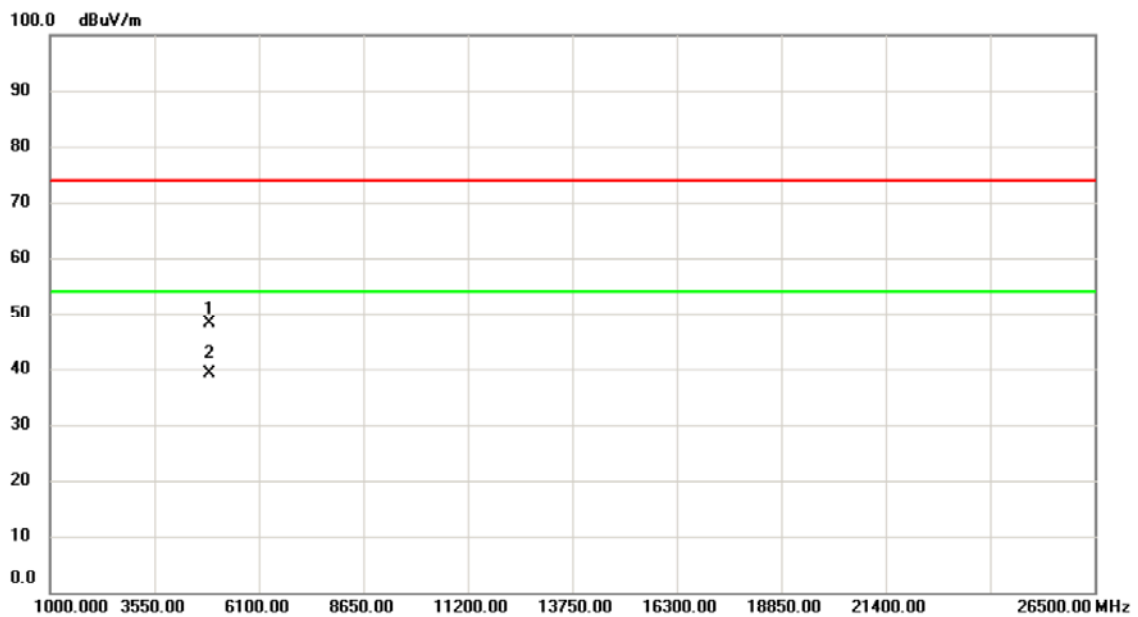
**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE40 CH09 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 4871.975 | 43.01         | 6.49           | 49.50       | 74.00  | -24.50 | peak     |         |
| 2   | *   | 4873.655 | 33.58         | 6.51           | 40.09       | 54.00  | -13.91 | AVG      |         |

#### NOTE:

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

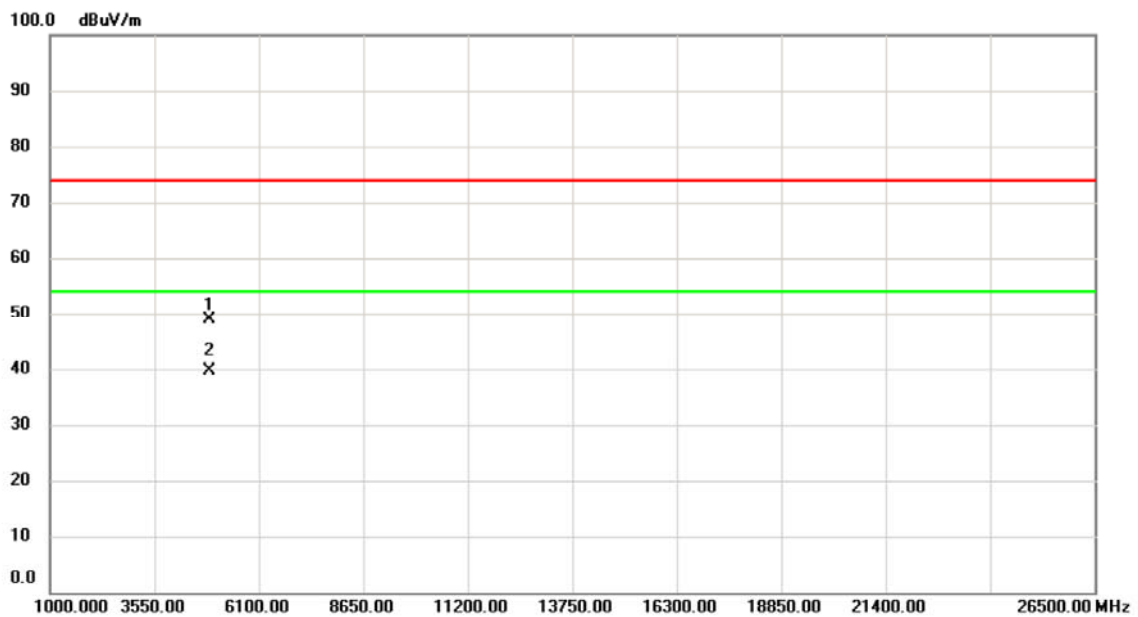
FCC ID : QCI-SKIWB800D3

Page: 59 of 131

Date: Aug. 02, 2023

|                  |             |               |                      |
|------------------|-------------|---------------|----------------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH               |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | 802.11ax – HE40 CH09 |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz                |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023        |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     |          |         |
| 1   |     | 4905.175 | 42.33         | 6.63           | 48.96       | 74.00  | -25.04 | peak     |         |
| 2   | *   | 4905.250 | 33.01         | 6.63           | 39.64       | 54.00  | -14.36 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

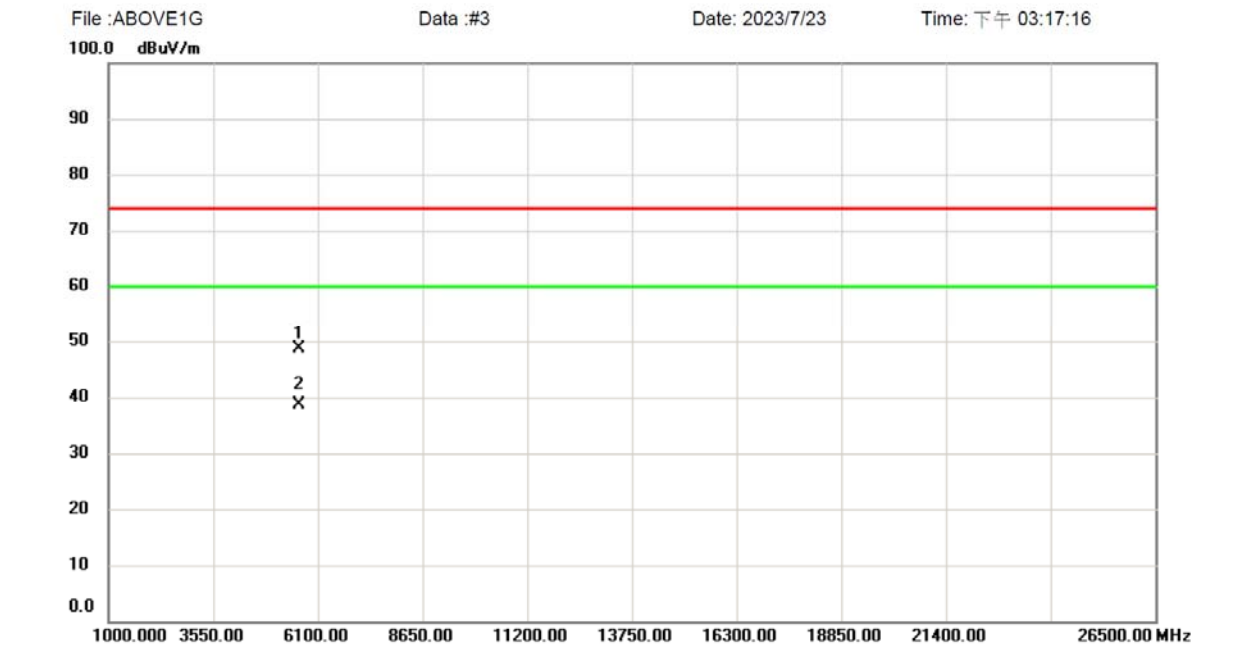
FCC ID : QCI-SKIWB800D3

Page: 60 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | Standby       |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   |     | 5641.000 | 41.11         | 7.58           | 48.69        | 74.00  | -25.31 | peak     |         |
| 2   | *   | 5641.000 | 31.09         | 7.58           | 38.67        | 60.00  | -21.33 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.



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# TEST REPORT

Reference No.: A23070303

Report No.: FCCA23070303-W0

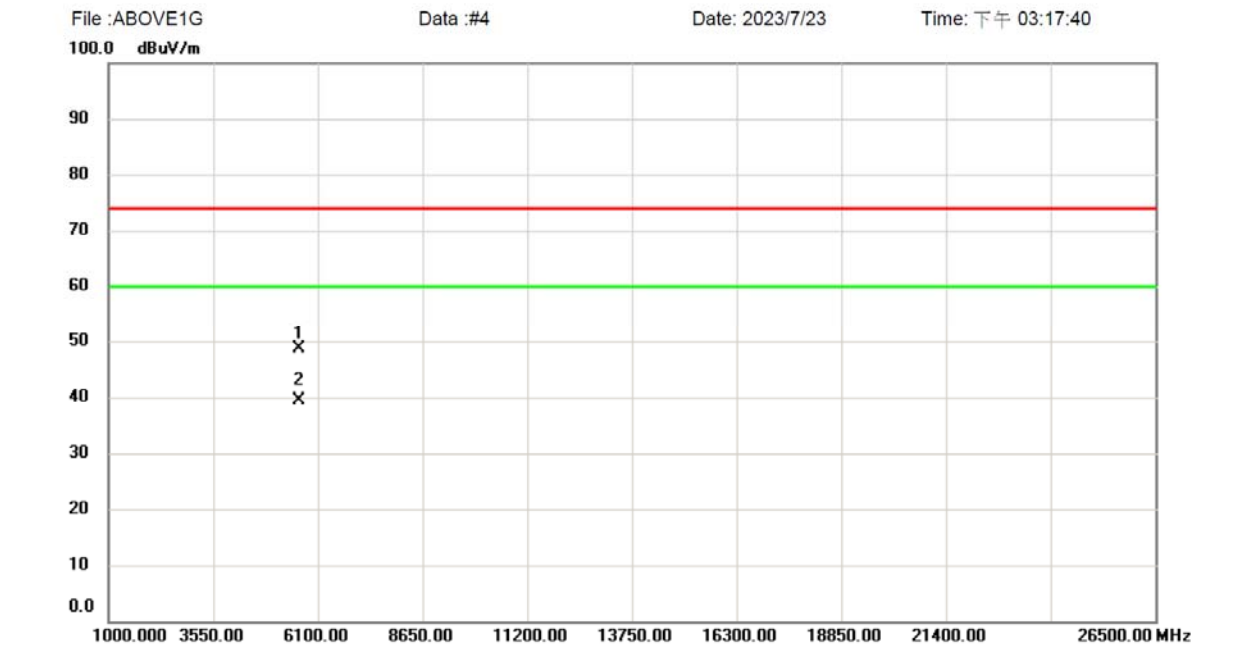
FCC ID : QCI-SKIWB800D3

Page: 61 of 131

Date: Aug. 02, 2023

|                  |             |               |               |
|------------------|-------------|---------------|---------------|
| Temperature:     | 27 °C       | Humidity:     | 76 %RH        |
| Frequency Range: | 1 ~ 25 GHz  | Tested Mode:  | Standby       |
| Detector Type:   | PK. and AV. | IF Bandwidth: | 1 MHz         |
| Tested By:       | Jimmy Tseng | Tested Date:  | Jul. 22, 2023 |

Antenna Polarization : Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   |     | 5641.000 | 40.95         | 7.58           | 48.53        | 74.00  | -25.47 | peak     |         |
| 2   | *   | 5641.000 | 31.68         | 7.58           | 39.26        | 60.00  | -20.74 | AVG      |         |

**NOTE:**

1. Measurement uncertainty is 4.04 dB.
2. Emission Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field strength of fundamental frequency.

|                                                                                                                                                                                                                                                |                      |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## 4.3 BANDWIDTH TEST

### 4.3.1 LIMIT

FCC Part15, Subpart C Section 15.247 (a)(2). The minimum 6dB bandwidth shall be at least 500 kHz.

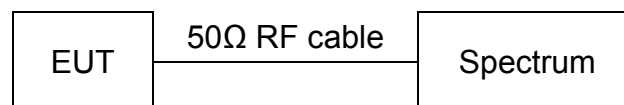
### 4.3.2 TEST EQUIPMENT

The following test equipment was used during the test :

| Equipment/<br>Facilities | Specifications | Manufacturer | Model #/<br>Serial # | Due Date of Cal.<br>& Cal. Center |
|--------------------------|----------------|--------------|----------------------|-----------------------------------|
| R&S spectrum Analyzer    | 9KHz ~ 30GHz   | R & S        | 100854 /<br>E007     | May 19, 2023<br>ETC               |
| RF CABLE                 | 1GHz~ 30GHz    | HUBER SUHNER | SF102 /<br>2         | Feb. 20, 2023<br>ETC              |

**NOTE:** The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

### 4.3.3 TEST SET-UP



### 4.3.4 TEST PROCEDURE

The EUT was operated in continuous transmission mode or any specific channel.  
 Printed out the test result from the spectrum by hard copy function.

### 4.3.5 EUT OPERATING CONDITION

1. Set the EUT under continuous transmission condition.
2. The EUT was set to the highest available power level.

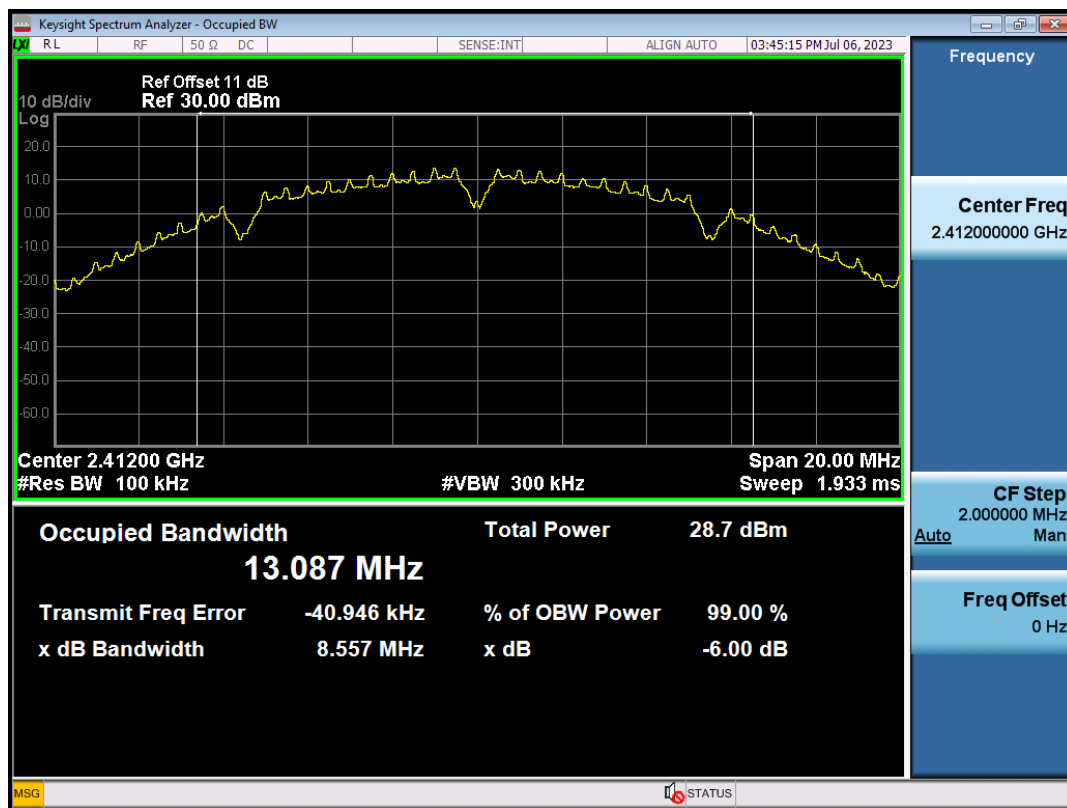
|                                                                                                                                                                                                                                                |                      |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303<br>Report No.: FCCA23070303-W0<br>FCC ID : QCI-SKIWB800D3<br>Page: 63 of 131<br>Date: Aug. 02, 2023 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

#### 4.3.6 TEST RESULT

|              |              |              |               |
|--------------|--------------|--------------|---------------|
| Temperature: | 28 °C        | Humidity:    | 70 %RH        |
| RBW:         | 100 kHz      | Modulation:  | 802.11b       |
| Detector:    | Peak         | VBW:         | 300 kHz       |
| Tested By:   | Jlmmmy Tseng | Tested Date: | Jul. 06, 2023 |

| Channel Number | Channel Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) |
|----------------|-------------------------|---------------------|---------------------|
| CH01           | 2412                    | 8.557               | 0.5                 |
| CH06           | 2437                    | 8.089               | 0.5                 |
| CH11           | 2462                    | 8.080               | 0.5                 |

CH01



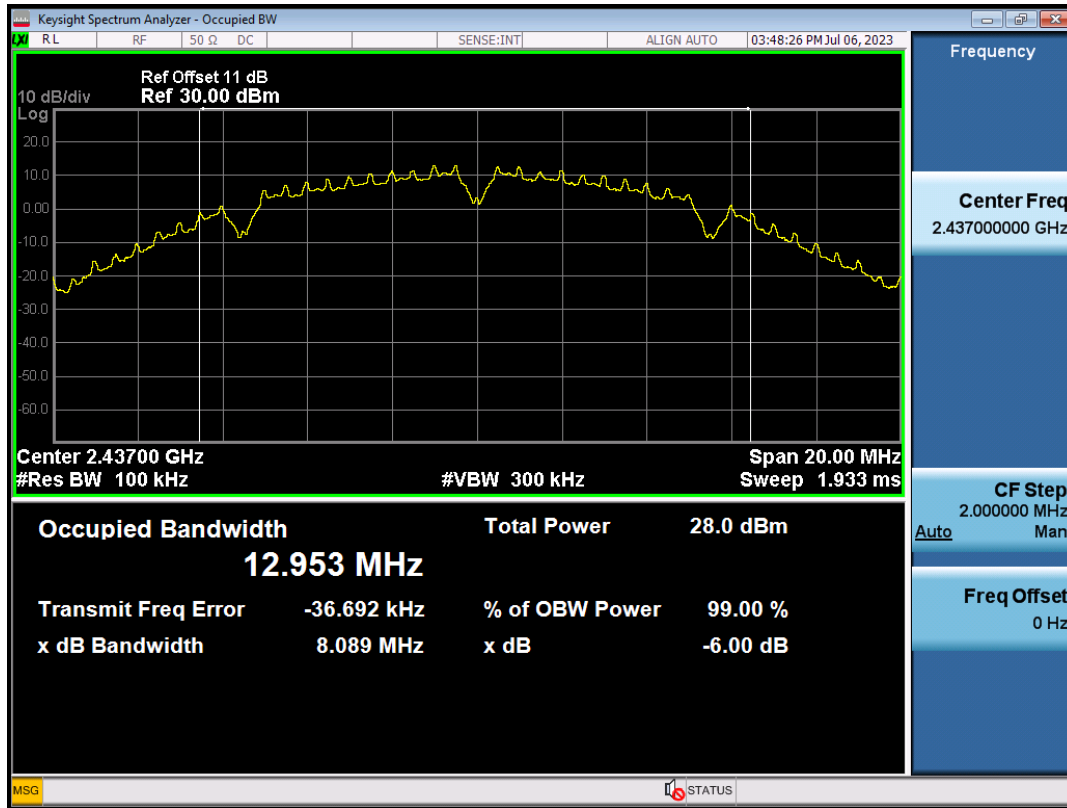


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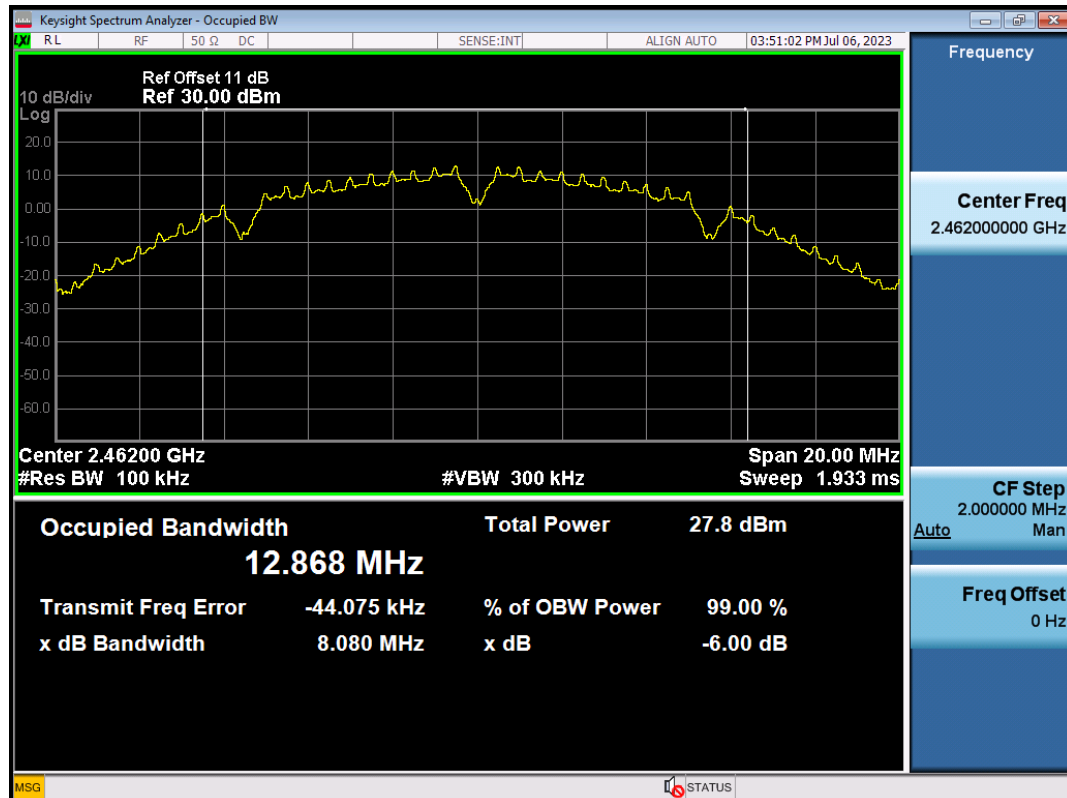
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 64 of 131  
Date: Aug. 02, 2023

CH06



CH11

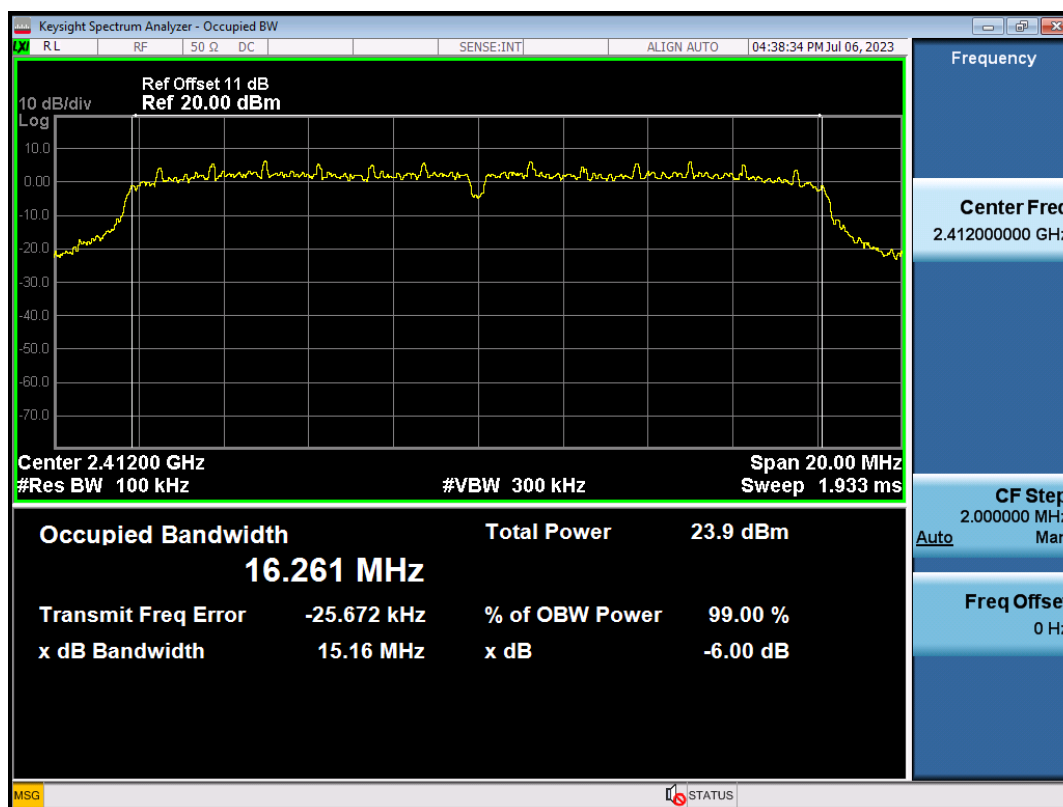


|                                                                                                                                                                                                                                              |                      |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------|
|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303    |
|                                                                                                                                                                                                                                              |                      | Report No.: FCCA23070303-W0 |
|                                                                                                                                                                                                                                              |                      | FCC ID : QCI-SKIWB800D3     |
|                                                                                                                                                                                                                                              |                      | Page: 65 of 131             |
|                                                                                                                                                                                                                                              |                      | Date: Aug. 02, 2023         |

|              |              |              |               |
|--------------|--------------|--------------|---------------|
| Temperature: | 28 °C        | Humidity:    | 70 %RH        |
| RBW:         | 100 kHz      | Modulation:  | 802.11g       |
| Detector:    | Peak         | VBW:         | 300 kHz       |
| Tested By:   | Jlmmxy Tseng | Tested Date: | Jul. 06, 2023 |

| Channel Number | Channel Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) |
|----------------|-------------------------|---------------------|---------------------|
| CH01           | 2412                    | 15.16               | 0.5                 |
| CH06           | 2437                    | 15.49               | 0.5                 |
| CH11           | 2462                    | 15.16               | 0.5                 |

CH01



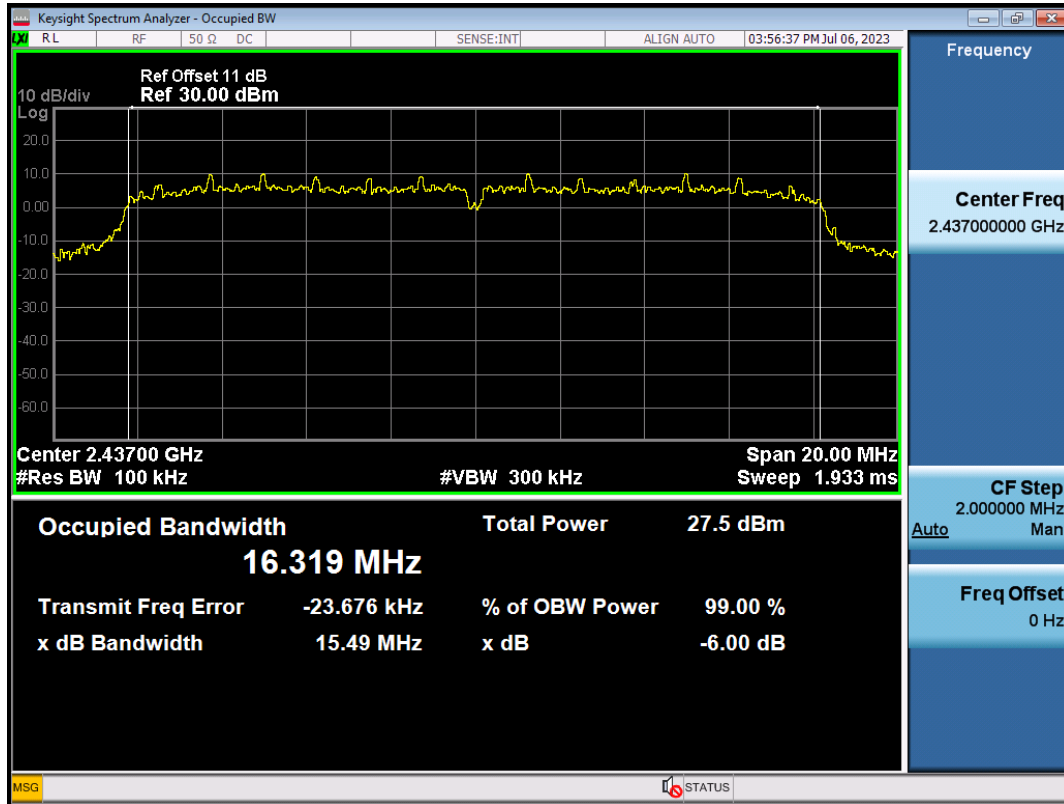


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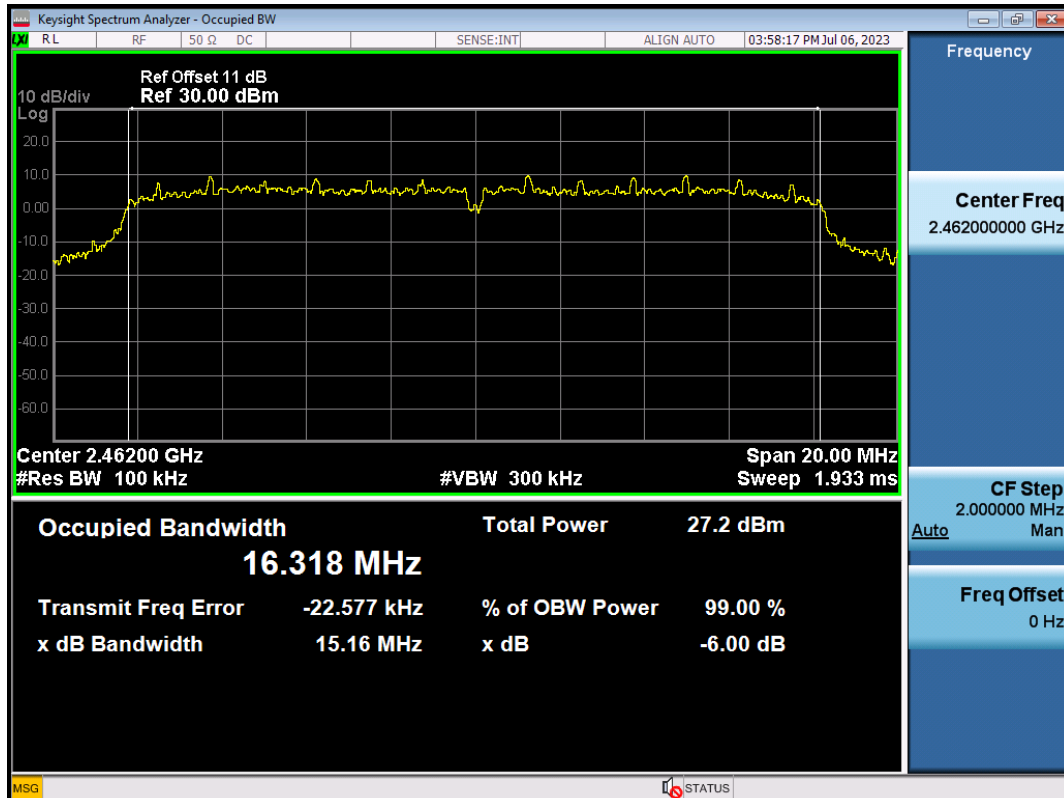
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 66 of 131  
Date: Aug. 02, 2023

CH06



CH11

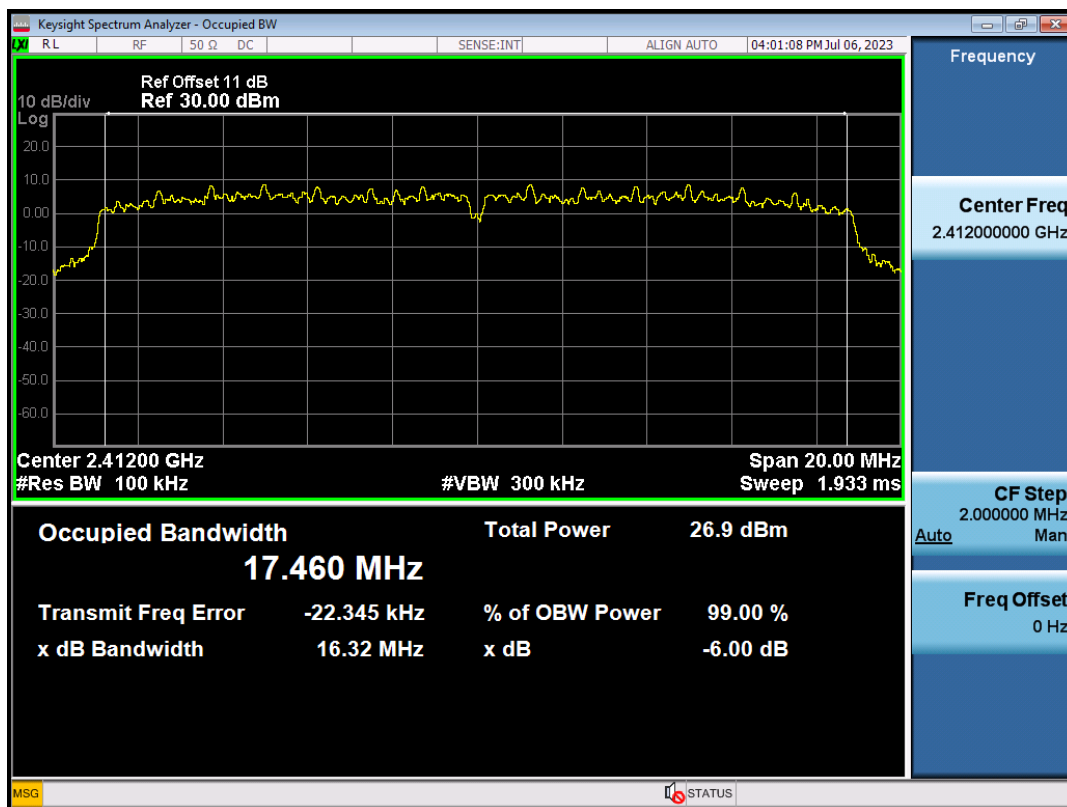


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|                                                                                                                                                                                                                                              |                      | Report No.: FCCA23070303-W0 |
|                                                                                                                                                                                                                                              |                      | FCC ID : QCI-SKIWB800D3     |
|                                                                                                                                                                                                                                              |                      | Page: 67 of 131             |
|                                                                                                                                                                                                                                              |                      | Date: Aug. 02, 2023         |

|              |             |              |                |
|--------------|-------------|--------------|----------------|
| Temperature: | 28 °C       | Humidity:    | 70 %RH         |
| RBW:         | 100 kHz     | Modulation:  | 802.11n – HT20 |
| Detector:    | Peak        | VBW:         | 300 kHz        |
| Tested By:   | Jimmy Tseng | Tested Date: | Jul. 06, 2023  |

| Channel Number | Channel Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) |
|----------------|-------------------------|---------------------|---------------------|
| CH01           | 2412                    | 16.32               | 0.5                 |
| CH06           | 2437                    | 16.02               | 0.5                 |
| CH11           | 2462                    | 16.60               | 0.5                 |

CH01



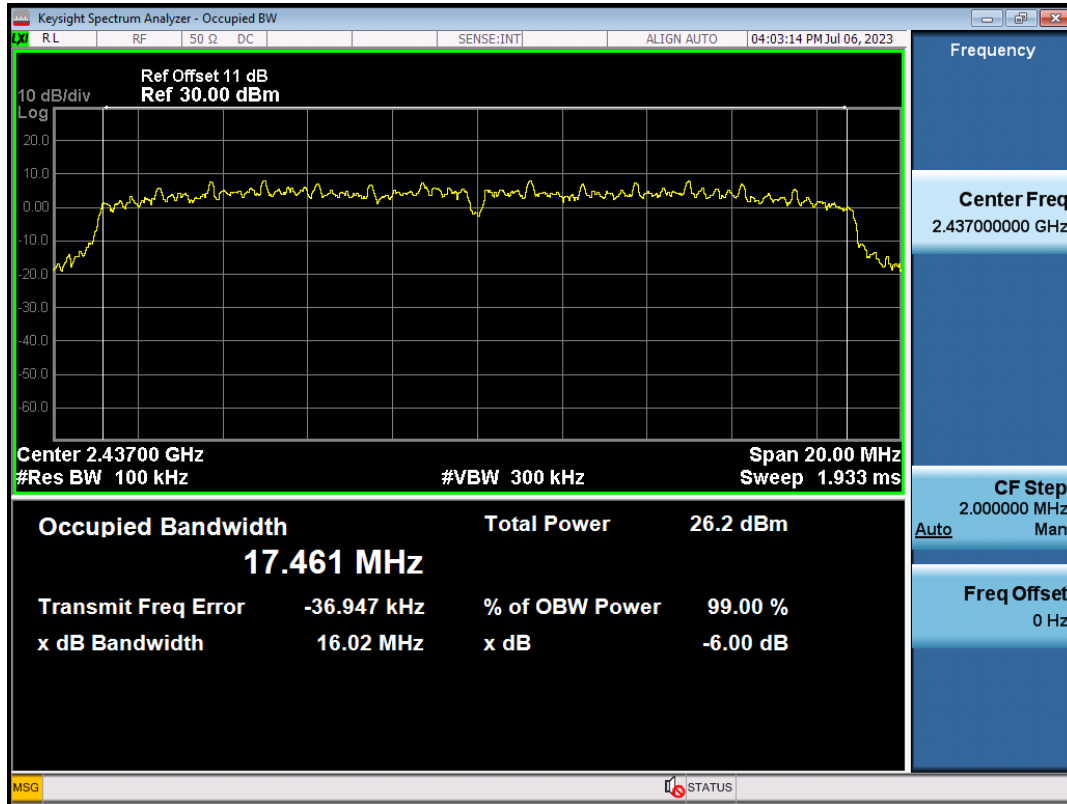


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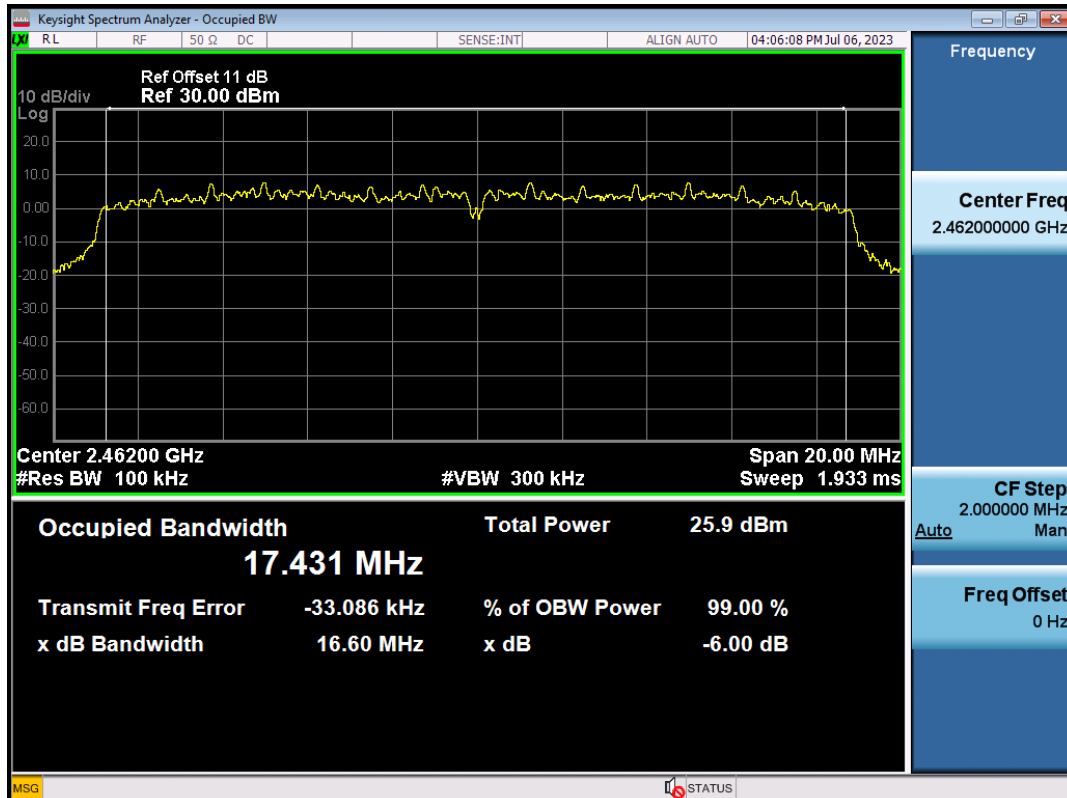
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 68 of 131  
Date: Aug. 02, 2023

CH06



CH11

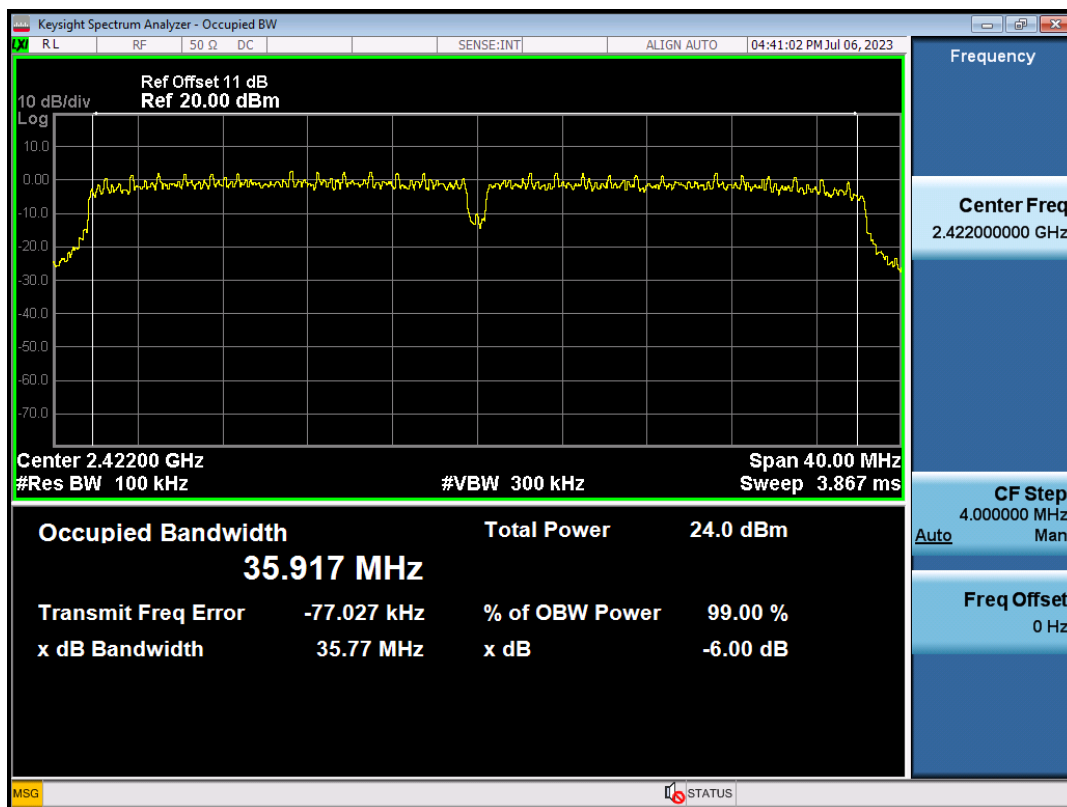


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|                                                                                                                                                                                                                                                |                      | Report No.: FCCA23070303-W0 |
|                                                                                                                                                                                                                                                |                      | FCC ID : QCI-SKIWB800D3     |
|                                                                                                                                                                                                                                                |                      | Page: 69 of 131             |
|                                                                                                                                                                                                                                                |                      | Date: Aug. 02, 2023         |

|              |             |              |                |
|--------------|-------------|--------------|----------------|
| Temperature: | 28 °C       | Humidity:    | 70 %RH         |
| RBW:         | 100 kHz     | Modulation:  | 802.11n – HT40 |
| Detector:    | Peak        | VBW:         | 300 kHz        |
| Tested By:   | Jimmy Tseng | Tested Date: | Jul. 06, 2023  |

| Channel Number | Channel Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) |
|----------------|-------------------------|---------------------|---------------------|
| CH03           | 2422                    | 35.77               | 0.5                 |
| CH06           | 2437                    | 35.72               | 0.5                 |
| CH09           | 2452                    | 35.44               | 0.5                 |

CH01



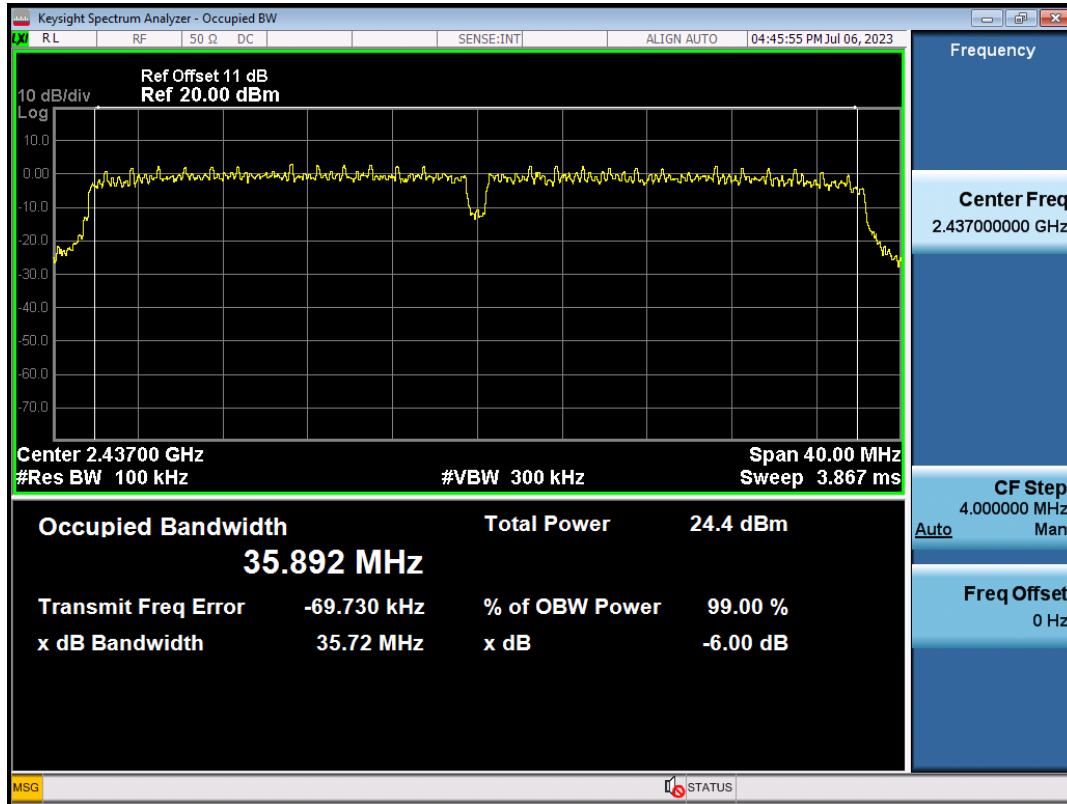


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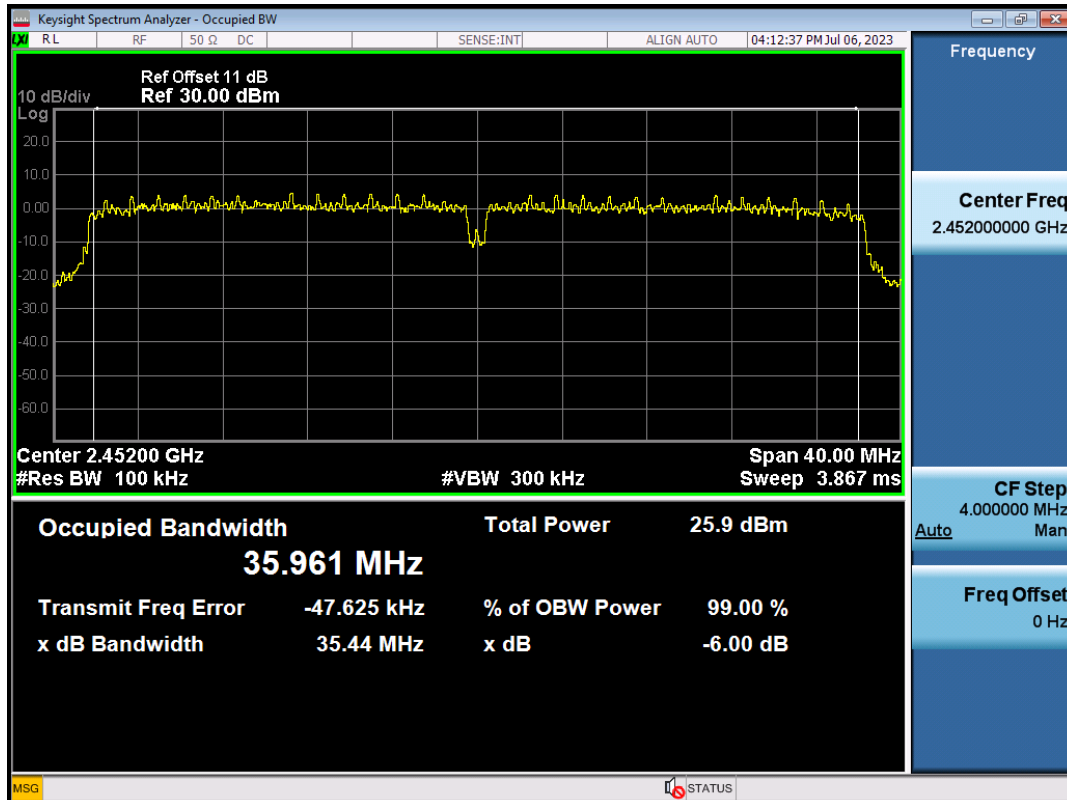
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 70 of 131  
Date: Aug. 02, 2023

CH06



CH11

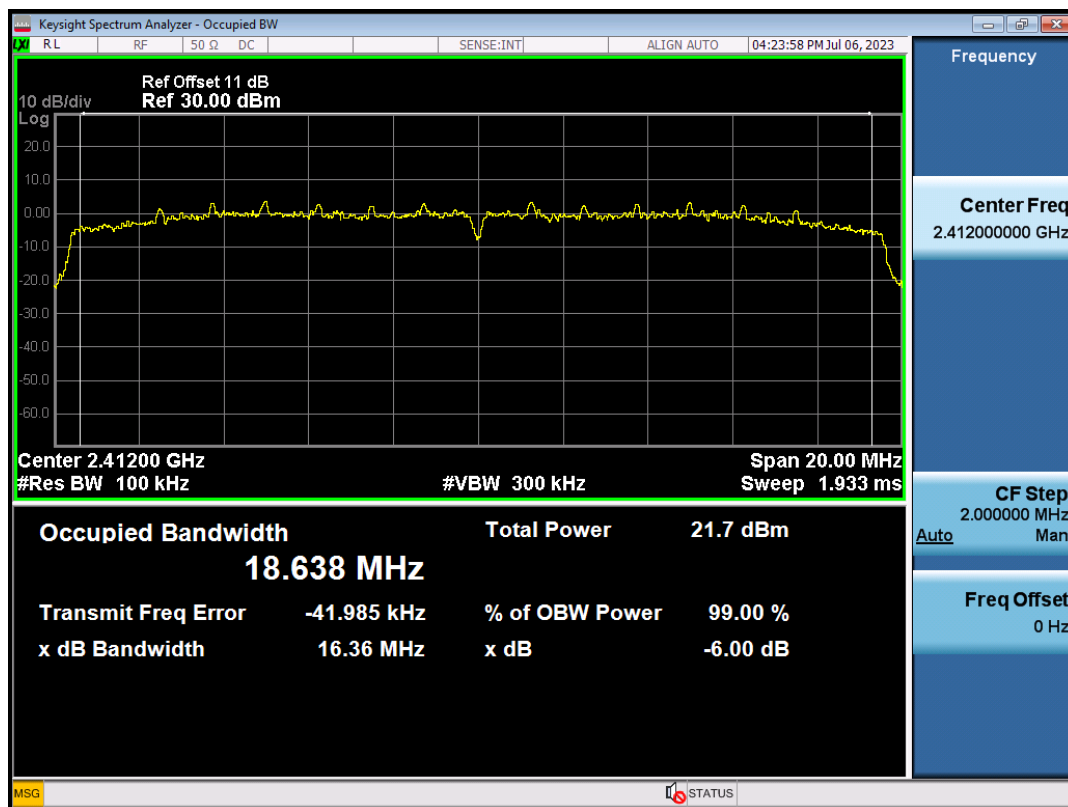


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|                                                                                                                                                                                                                                              |                      | Report No.: FCCA23070303-W0 |
|                                                                                                                                                                                                                                              |                      | FCC ID : QCI-SKIWB800D3     |
|                                                                                                                                                                                                                                              |                      | Page: 71 of 131             |
|                                                                                                                                                                                                                                              |                      | Date: Aug. 02, 2023         |

|              |              |              |                 |
|--------------|--------------|--------------|-----------------|
| Temperature: | 28 °C        | Humidity:    | 70 %RH          |
| RBW:         | 100 kHz      | Modulation:  | 802.11ax – HE20 |
| Detector:    | Peak         | VBW:         | 300 kHz         |
| Tested By:   | Jlmmxy Tseng | Tested Date: | Jul. 06, 2023   |

| Channel Number | Channel Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) |
|----------------|-------------------------|---------------------|---------------------|
| CH01           | 2412                    | 16.36               | 0.5                 |
| CH06           | 2437                    | 16.20               | 0.5                 |
| CH11           | 2462                    | 16.53               | 0.5                 |

CH01



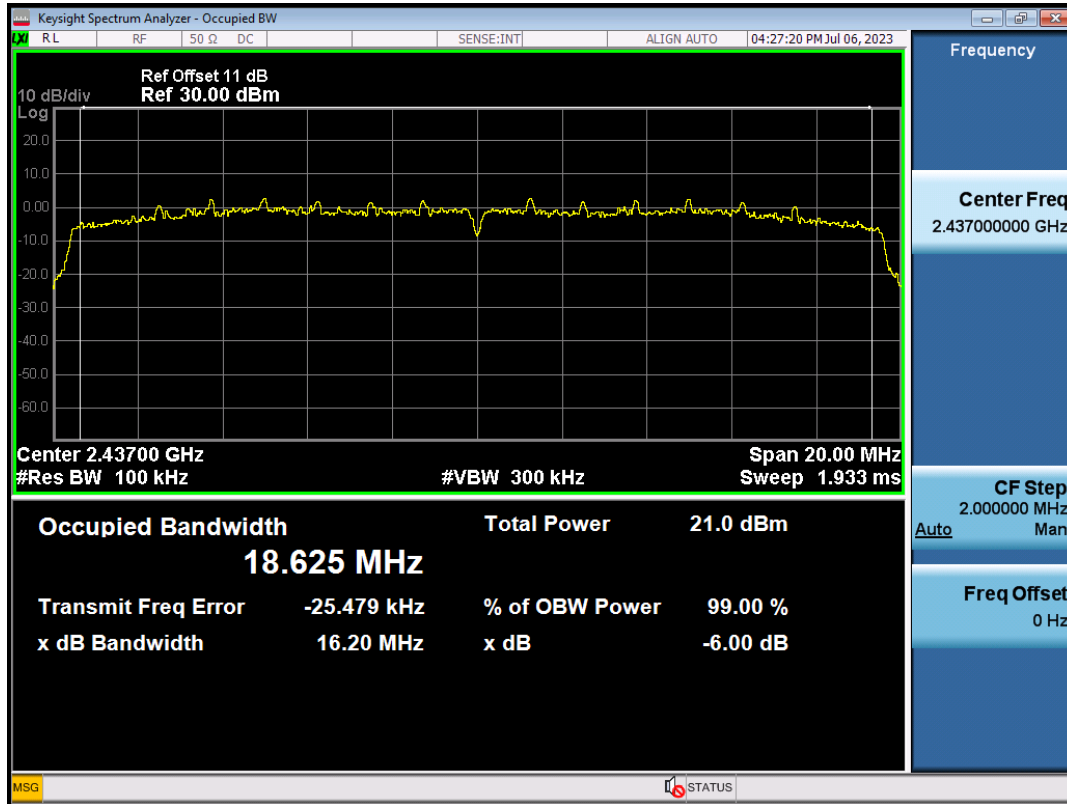


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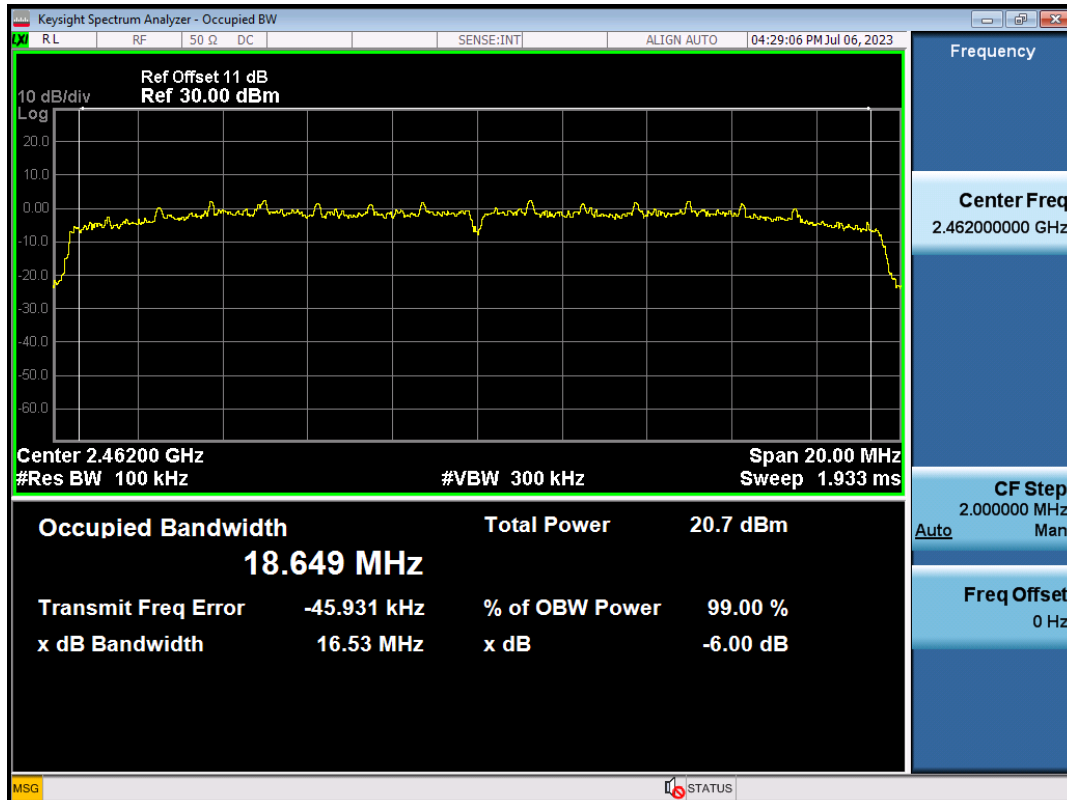
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 72 of 131  
Date: Aug. 02, 2023

CH06



CH11

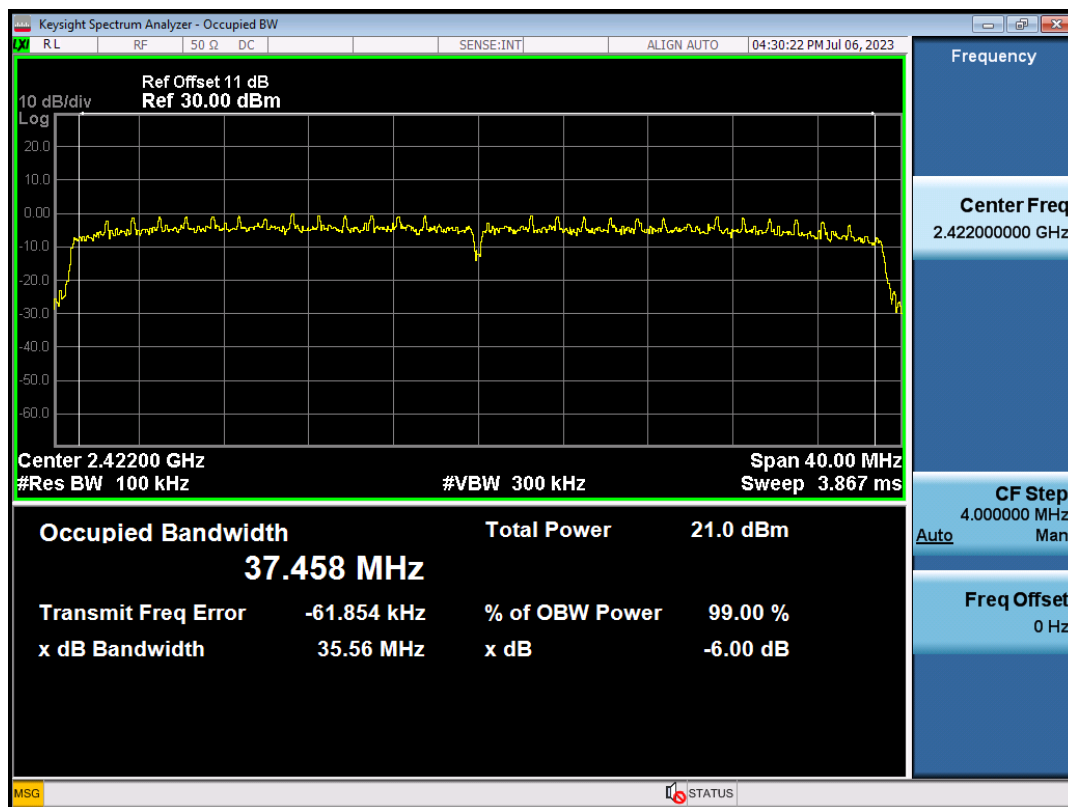


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|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303    |
|                                                                                                                                                                                                                                              |                      | Report No.: FCCA23070303-W0 |
|                                                                                                                                                                                                                                              |                      | FCC ID : QCI-SKIWB800D3     |
|                                                                                                                                                                                                                                              |                      | Page: 73 of 131             |
|                                                                                                                                                                                                                                              |                      | Date: Aug. 02, 2023         |

|              |              |              |                 |
|--------------|--------------|--------------|-----------------|
| Temperature: | 28 °C        | Humidity:    | 70 %RH          |
| RBW:         | 100 kHz      | Modulation:  | 802.11ax – HE40 |
| Detector:    | Peak         | VBW:         | 300 kHz         |
| Tested By:   | Jlmmxy Tseng | Tested Date: | Jul. 06, 2023   |

| Channel Number | Channel Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) |
|----------------|-------------------------|---------------------|---------------------|
| CH03           | 2422                    | 35.56               | 0.5                 |
| CH06           | 2437                    | 35.89               | 0.5                 |
| CH09           | 2452                    | 35.96               | 0.5                 |

CH01



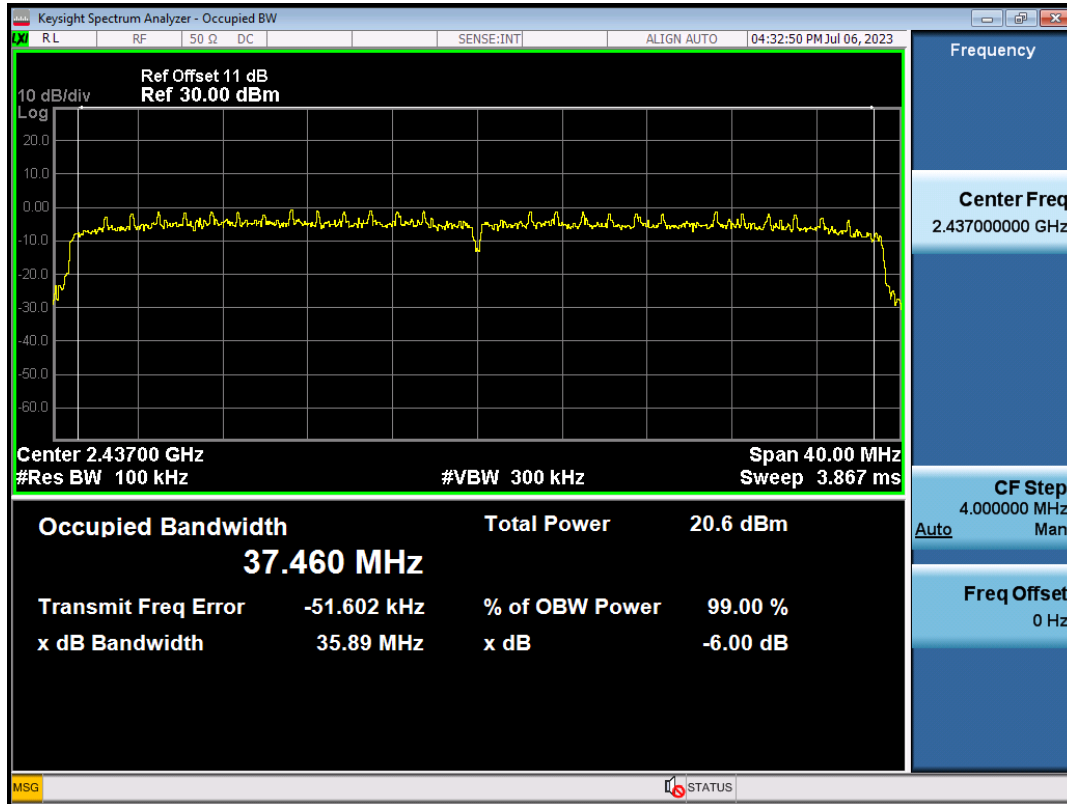


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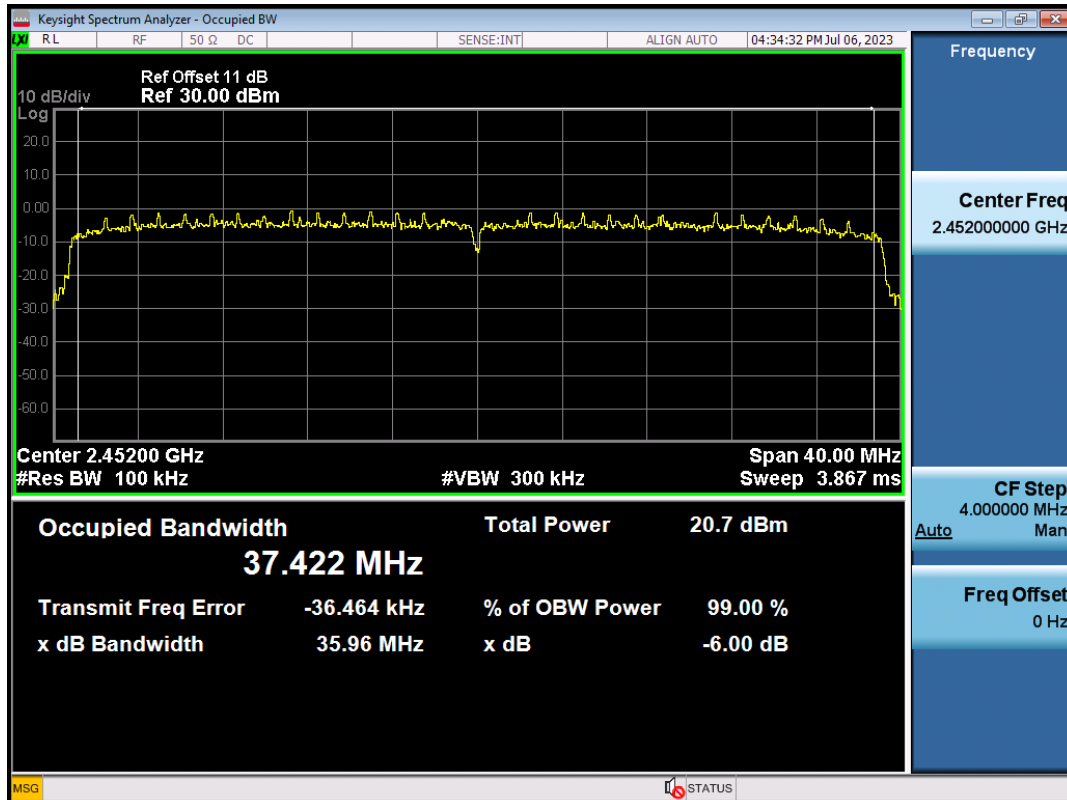
# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 74 of 131  
Date: Aug. 02, 2023

CH06



CH11



|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

#### 4.4 PEAK CONDUCTED OUTPUT POWER TEST

##### 4.4.1 LIMIT

FCC Part15, Subpart C Section 15.247(b).

The maximum peak conducted output power of the intentional radiator shall not exceed the following:

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.

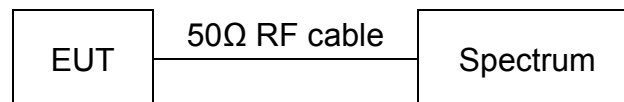
##### 4.4.2 TEST EQUIPMENT

The following test equipment was used during the test :

| Equipment/<br>Facilities | Specifications | Manufacturer | Model #/<br>Serial # | Due Date of Cal.<br>& Cal. Center |
|--------------------------|----------------|--------------|----------------------|-----------------------------------|
| R&S spectrum Analyzer    | 9KHz ~ 30GHz   | R & S        | 100854 /<br>E007     | May 19, 2023<br>ETC               |
| RF CABLE                 | 1GHz~ 30GHz    | HUBER SUHNER | SF102 /<br>2         | Feb. 20, 2023<br>ETC              |

**NOTE:** The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

##### 4.4.3 TEST SET-UP



##### 4.4.4 TEST PROCEDURE

The EUT was operating in continuous transmission mode or could control its channel.

Printed out the test result from the spectrum by hard copy function.

##### 4.4.5 EUT OPERATING CONDITION

1. Set the EUT under continuous transmission condition.
2. The EUT was set to the highest available power level.

|                                                                                                                                                                                                                                                |                      |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303<br>Report No.: FCCA23070303-W0<br>FCC ID : QCI-SKIWB800D3<br>Page: 76 of 131<br>Date: Aug. 02, 2023 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

#### 4.4.6 TEST RESULT

|              |             |              |               |
|--------------|-------------|--------------|---------------|
| Temperature: | 25 °C       | Humidity:    | 67 %RH        |
| Detector:    | RMS         | Test Mode:   | All           |
| RBW:         | 300 kHz     | VBW:         | 1 MHz         |
| Tested By:   | Jimmy tseng | Tested Date: | Oct. 20, 2020 |

| Mode       | Frequency<br>(MHz) | Total Power | Limit   |        | Power<br>setting |
|------------|--------------------|-------------|---------|--------|------------------|
|            |                    | Average     | Average | Result |                  |
|            |                    | dBm         | dBm     |        |                  |
| 802.11b    | 2412               | 21.25       | 30.00   | PASS   | 11               |
|            | 2437               | 20.53       | 30.00   | PASS   | 11               |
|            | 2462               | 20.57       | 30.00   | PASS   | 11               |
| 802.11g    | 2412               | 16.83       | 30.00   | PASS   | 10               |
|            | 2437               | 20.41       | 30.00   | PASS   | 11               |
|            | 2462               | 20.51       | 30.00   | PASS   | 11               |
| 802.11n20  | 2412               | 20.28       | 30.00   | PASS   | 11               |
|            | 2437               | 20.50       | 30.00   | PASS   | 11               |
|            | 2462               | 20.52       | 30.00   | PASS   | 11               |
| 802.11n40  | 2422               | 16.47       | 30.00   | PASS   | 10               |
|            | 2437               | 16.45       | 30.00   | PASS   | 10               |
|            | 2452               | 20.27       | 30.00   | PASS   | 11               |
| 802.11ax20 | 2412               | 20.46       | 30.00   | PASS   | 11               |
|            | 2437               | 20.06       | 30.00   | PASS   | 11               |
|            | 2462               | 20.41       | 30.00   | PASS   | 11               |
| 802.11ax40 | 2422               | 20.03       | 30.00   | PASS   | 11               |
|            | 2437               | 20.18       | 30.00   | PASS   | 11               |
|            | 2452               | 20.26       | 30.00   | PASS   | 11               |

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## 4.5 BAND EDGE TEST

### 4.5.1 LIMIT

FCC Part15, Subpart C Section 15.247(d).

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB 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 Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

| Operating Frequency Range (MHz) | Spurious Emission Frequency (MHz) | LIMIT                               |                         |
|---------------------------------|-----------------------------------|-------------------------------------|-------------------------|
|                                 |                                   | Peak power ration to emission (dBc) | Emission level (dBuV/m) |
| 2400 - 2483.5                   | < 2400                            | > 20                                | N/A                     |
|                                 | > 2483.5-2500                     | N/A                                 | 54                      |

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

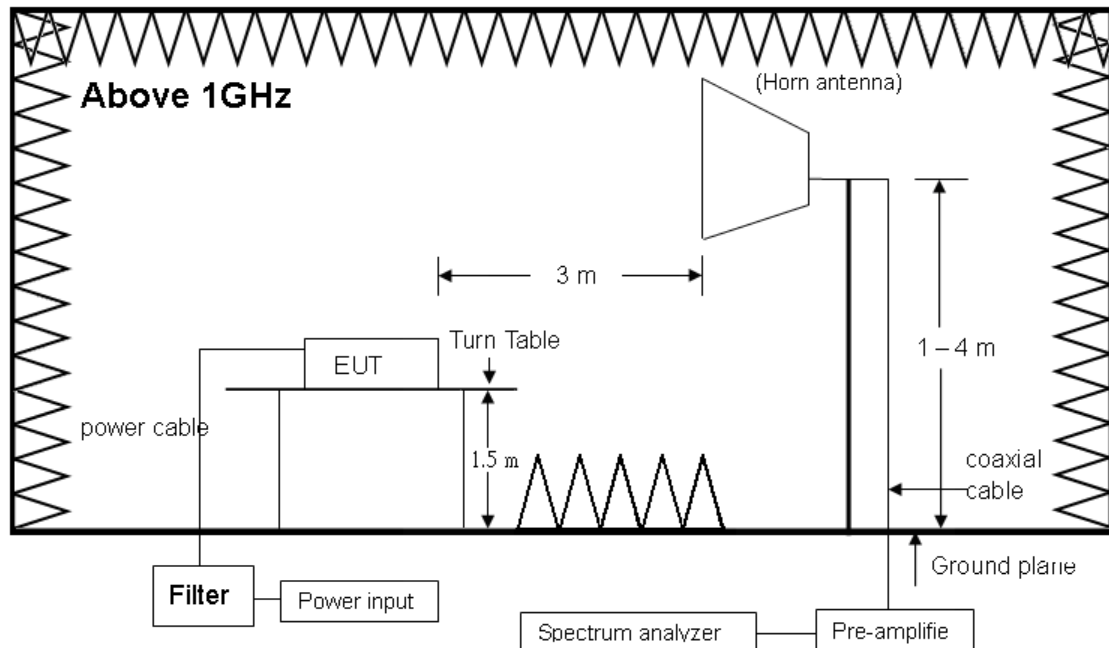
## 4.5.2 TEST EQUIPMENT

The following test equipment was used during the test:

| Equipment/<br>Facilities                      | Specifications          | Manufacturer    | Model #/<br>Serial #           | Due Date<br>of Cal.<br>& Cal. Center | Final<br>Test be<br>Used |
|-----------------------------------------------|-------------------------|-----------------|--------------------------------|--------------------------------------|--------------------------|
| EXA Signal Analyzer                           | 10 Hz ~ 44 GHz          | KEYSIGHT        | N9010A / MY56480554            | AUG. 24, 2023<br>ETC                 | ■                        |
| EMI Test Receiver (Include Spectrum Analyzer) | 9 KHz ~ 6 GHz           | ROHDE & SCHWARZ | ESL 6 / 100176                 | SEP. 06, 2023<br>ETC                 | ■                        |
| Spectrum Analyzer                             | 9 kHz ~ 40GHz           | ROHDE & SCHWARZ | FSP40 / 100093                 | FEB. 16, 2024<br>ETC                 | ■                        |
| Pre-Amplifier                                 | 1 ~ 26.5 GHz            | AGILENT         | 8449B / 3008A01995             | FEB. 16, 2024<br>ETC                 | ■                        |
| Horn Antenna                                  | 1 ~ 18 GHz              | EMCO            | 3115 / 9602-4681               | MAR. 09, 2024<br>ETC                 | ■                        |
| Horn Antenna                                  | 18 ~ 40 GHz             | ETS-LINDGREN    | 3116 / 00032255                | MAY 13, 2024<br>ETC                  | ■                        |
| Anechoic Chamber                              | 3 M Measurement         | SRT             | A01 / SRT001                   | MAR. 24, 2024<br>SRT                 | ■                        |
| RF Cable                                      | Up to 18 GHz<br>1.5 m   | JYEBAO          | A30A30-L 142 / EQF-0035(001)   | JAN. 24, 2024<br>ETC                 | ■                        |
| RF Cable                                      | Up to 26.5 GHz<br>3.5 m | EMCI            | EMC104-SM-SM-3500 / 150601     | SEP. 19, 2023<br>ETC                 | ■                        |
| K-Type Cable                                  | Up to 40 GHz<br>3 m     | HUBER+SUHNER    | SF102-46/2* 11SK252 / MY2611/2 | APR. 06, 2024<br>ETC                 | ■                        |
| K-Type Cable                                  | Up to 40 GHz,<br>1 m    | HUBER+SUHNER    | SF102/2*11SK252 / MY3331/2     | FEB. 15, 2024<br>ETC                 | ■                        |
| Filter                                        | 2 Line, 30 A            | FIL.COIL        | FC-943 / 869                   | NCR                                  | ■                        |

**NOTE:** The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

#### 4.5.3 TEST SETUP



**NOTE:** The EUT system was put on a wooden table with 1.5m heights above a ground plane. For the actual test configuration, please refer to the photos of testing.

#### 4.5.4 TEST PROCEDURE

The EUT was tested according to the requirement of ANSI C63.10:2013 and CISPR 22:2003. When the frequency spectrum measured started from 30 MHz to 1 GHz, then use antenna is a BICONICAL ANTENNA & LOG PERIODIC ANTENNA. The measurements were made at an open area test site with 3 meter measurement distance under 1 GHz and with 3m distance above 1GHz. The frequency spectrum measured started from 30 MHz to 1 GHz, all readings were quasi-peak values with 120 kHz resolution bandwidth of the test receiver. Above 1 GHz, the measurements were made at an open area test site with 3 meter measurement distance and all readings were peak or average values with 1 MHz resolution bandwidth of the test receiver. The EUT system was operated in all typical methods by users. The cables connected to EUT and support units were moved to find the maximum emission levels for each frequency. First, find the margin or higher points at least 6 points by software, then use manual to find the maximum data. The procedure is referred on the test procedure of SRT LAB.

#### 4.5.5 EUT OPERATING CONDITION

1. Set the EUT under continuous transmission condition.
2. The EUT was set to the highest available power level.

|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## 4.5.6 TEST RESULT

### Conducted Test

|                  |               |               |               |
|------------------|---------------|---------------|---------------|
| Temperature:     | 28 °C         | Humidity:     | 70 %RH        |
| Frequency Range: | 2.3 ~ 2.6 GHz | Tested Mode:  | 802.11b       |
| Detector Type:   | PK. and AV.   | IF Bandwidth: | 100 kHz       |
| Tested By:       | Jimmy tseng   | Tested Date:  | Jul. 07, 2023 |

| The maximum radio frequency power within the bandwidth range. |             |                    |             |
|---------------------------------------------------------------|-------------|--------------------|-------------|
| Upper edge strip                                              |             | lower margin strip |             |
| Frequency (MHz)                                               | Power (dBm) | Frequency (MHz)    | Power (dBm) |
| 2412                                                          | 16.61       | 2462               | 15.85       |

| Frequency    | Bandedge | amplitude difference (dBc) | Limit in 4.10.1.5 | Result |
|--------------|----------|----------------------------|-------------------|--------|
| < 2.4 GHz    | -35.91   | 52.52                      | 20 dB             | Pass   |
| > 2.4835 GHz | -37.32   | 53.17                      | 20 dB             | Pass   |



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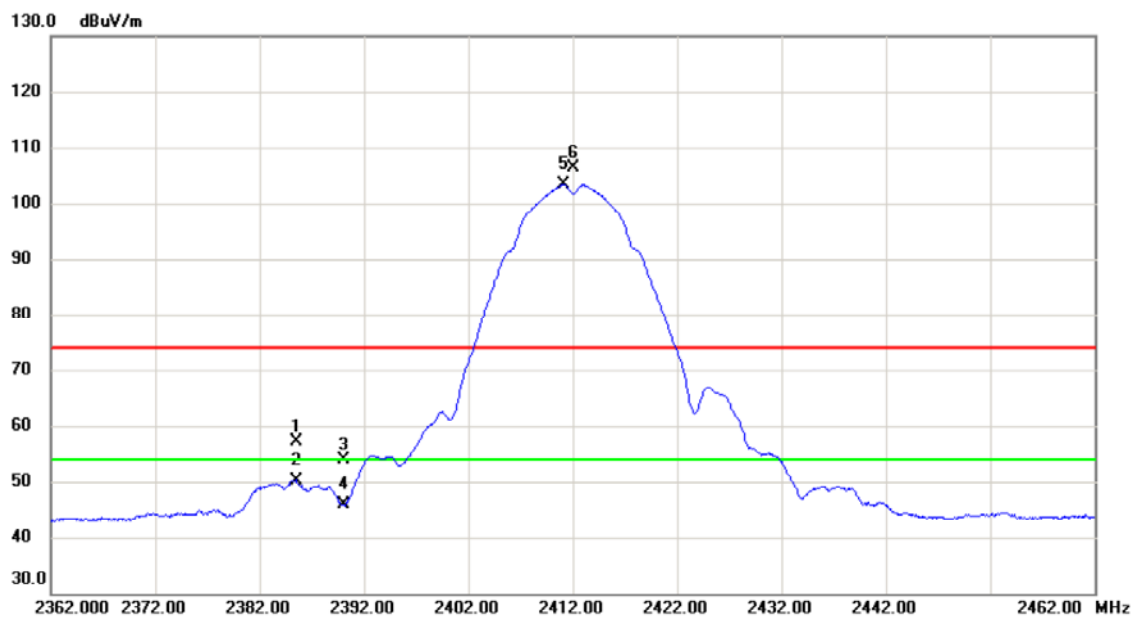
## TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 81 of 131  
Date: Aug. 02, 2023

### Radiated Test

|                  |               |               |               |
|------------------|---------------|---------------|---------------|
| Temperature:     | 28 °C         | Humidity:     | 70 %RH        |
| Frequency Range: | 2.3 ~ 2.6 GHz | Tested Mode:  | 802.11b       |
| Detector Type:   | PK. and AV.   | IF Bandwidth: | 100 kHz       |
| Tested By:       | Jimmy tseng   | Tested Date:  | Jul. 07, 2023 |

### CH01\_Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   |     | 2385.500 | 48.89         | 8.27           | 57.16        | 74.00  | -16.84 | peak     |         |
| 2   |     | 2385.500 | 41.98         | 8.27           | 50.25        | 54.00  | -3.75  | AVG      |         |
| 3   |     | 2390.000 | 45.71         | 8.28           | 53.99        | 74.00  | -20.01 | peak     |         |
| 4   |     | 2390.000 | 37.52         | 8.28           | 45.80        | 54.00  | -8.20  | AVG      |         |
| 5   | *   | 2411.100 | 95.01         | 8.35           | 103.36       | 54.00  | 49.36  | AVG      |         |
| 6   | X   | 2412.000 | 97.91         | 8.36           | 106.27       | 74.00  | 32.27  | peak     |         |



**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303

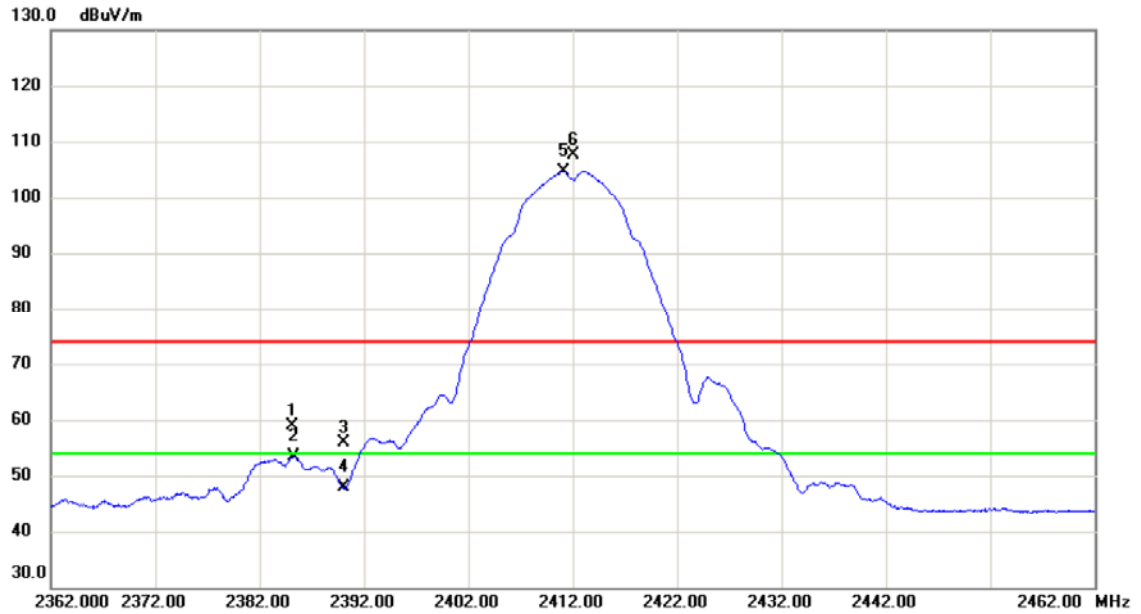
Report No.: FCCA23070303-W0

FCC ID : QCI-SKIWB800D3

Page: 82 of 131

Date: Aug. 02, 2023

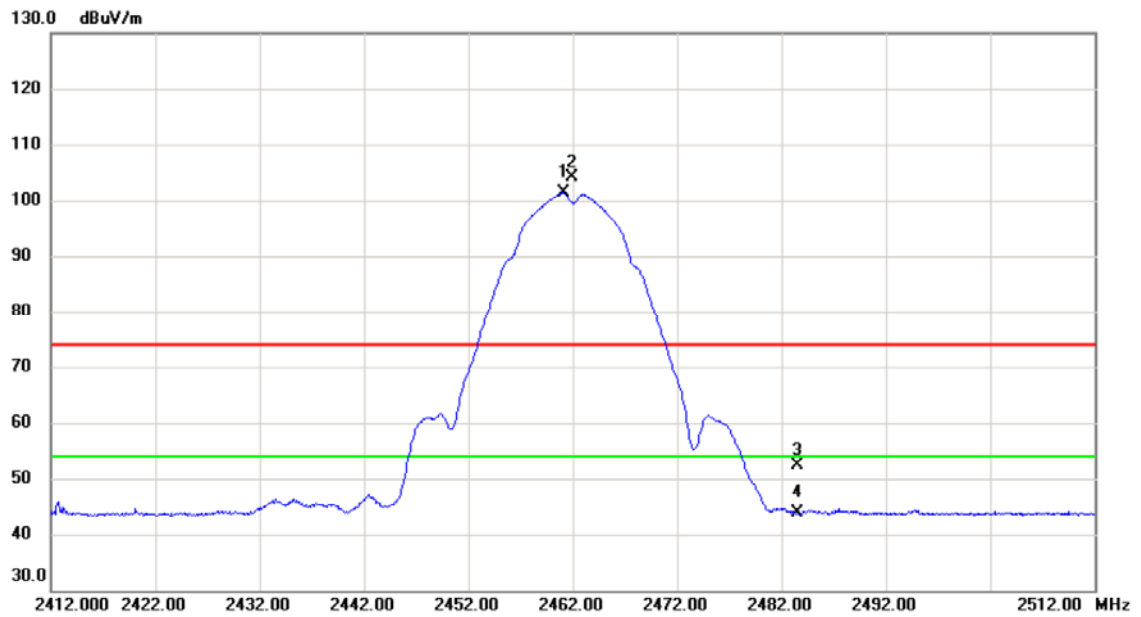
## CH01\_Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 2385.200 | 50.55         | 8.27           | 58.82       | 74.00  | -15.18 | peak     |         |
| 2   |     | 2385.300 | 45.13         | 8.27           | 53.40       | 54.00  | -0.60  | AVG      |         |
| 3   |     | 2390.000 | 47.60         | 8.28           | 55.88       | 74.00  | -18.12 | peak     |         |
| 4   |     | 2390.000 | 39.64         | 8.28           | 47.92       | 54.00  | -6.08  | AVG      |         |
| 5   | *   | 2411.100 | 96.38         | 8.35           | 104.73      | 54.00  | 50.73  | AVG      |         |
| 6   | X   | 2412.000 | 99.28         | 8.36           | 107.64      | 74.00  | 33.64  | peak     |         |



## CH11\_Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 2461.100 | 92.72         | 8.61           | 101.33      | 54.00  | 47.33  | AVG      |         |
| 2   | X   | 2461.900 | 95.57         | 8.62           | 104.19      | 74.00  | 30.19  | peak     |         |
| 3   |     | 2483.500 | 43.72         | 8.72           | 52.44       | 74.00  | -21.56 | peak     |         |
| 4   |     | 2483.500 | 35.19         | 8.72           | 43.91       | 54.00  | -10.09 | AVG      |         |



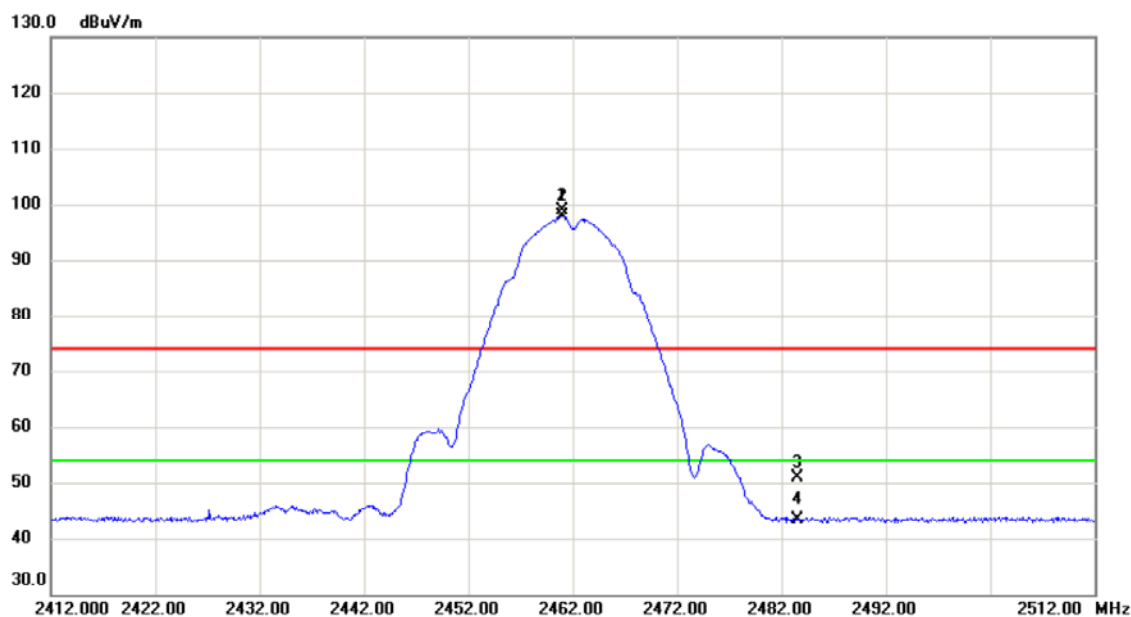
**Spectrum Research & Testing Lab., Inc.**

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# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 84 of 131  
Date: Aug. 02, 2023

## CH11\_Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   | X   | 2461.000 | 90.36         | 8.61           | 98.97        | 74.00  | 24.97  | peak     |         |
| 2   | *   | 2461.000 | 89.27         | 8.61           | 97.88        | 54.00  | 43.88  | AVG      |         |
| 3   |     | 2483.500 | 42.27         | 8.72           | 50.99        | 74.00  | -23.01 | peak     |         |
| 4   |     | 2483.500 | 34.56         | 8.72           | 43.28        | 54.00  | -10.72 | AVG      |         |

**Note:** Measurement uncertainty is 3.85 dB.

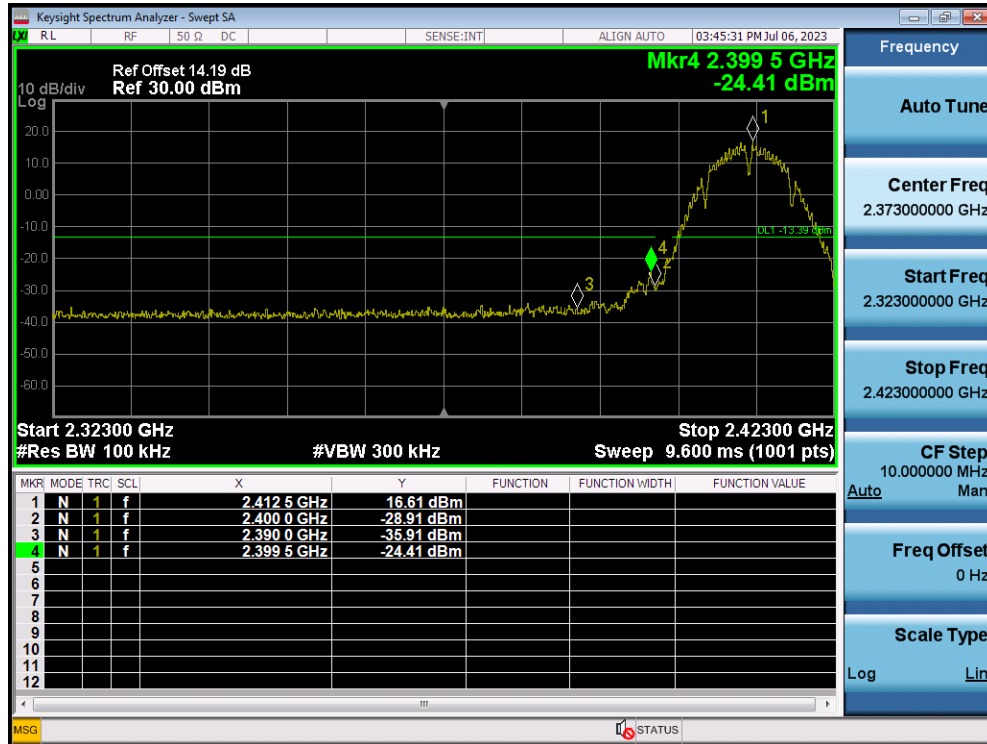


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# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 85 of 131  
Date: Aug. 02, 2023

CH01 :



CH11 :



|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303<br>Report No.: FCCA23070303-W0<br>FCC ID : QCI-SKIWB800D3<br>Page: 86 of 131<br>Date: Aug. 02, 2023 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## Conducted Test

|                  |               |               |               |
|------------------|---------------|---------------|---------------|
| Temperature:     | 28 °C         | Humidity:     | 70 %RH        |
| Frequency Range: | 2.3 ~ 2.6 GHz | Tested Mode:  | 802.11g       |
| Detector Type:   | PK. and AV.   | IF Bandwidth: | 100 kHz       |
| Tested By:       | Jimmy tseng   | Tested Date:  | Jul. 07, 2023 |

| The maximum radio frequency power within the bandwidth range. |             |                    |             |
|---------------------------------------------------------------|-------------|--------------------|-------------|
| Upper edge strip                                              |             | lower margin strip |             |
| Frequency (MHz)                                               | Power (dBm) | Frequency (MHz)    | Power (dBm) |
| 2412                                                          | 9.45        | 2462               | 12.9        |

| Frequency    | Bandedge | amplitude difference | Frequency | Bandedge |
|--------------|----------|----------------------|-----------|----------|
| < 2.4 GHz    | -40.41   | 49.86                | 20 dB     | Pass     |
| > 2.4835 GHz | -37.95   | 50.85                | 20 dB     | Pass     |

**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

**TEST REPORT**

Reference No.: A23070303

Report No.: FCCA23070303-W0

FCC ID : QCI-SKIWB800D3

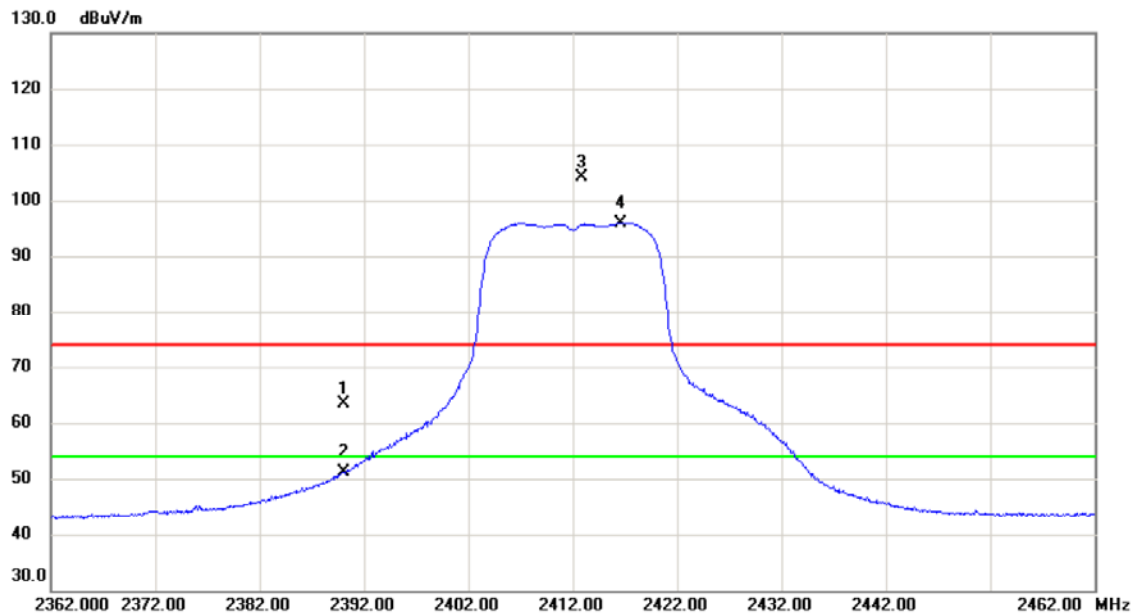
Page: 87 of 131

Date: Aug. 02, 2023

**Radiated Test**

|                  |               |               |               |
|------------------|---------------|---------------|---------------|
| Temperature:     | 28 °C         | Humidity:     | 70 %RH        |
| Frequency Range: | 2.3 ~ 2.6 GHz | Tested Mode:  | 802.11g       |
| Detector Type:   | PK. and AV.   | IF Bandwidth: | 100 kHz       |
| Tested By:       | Jimmy tseng   | Tested Date:  | Jul. 06, 2023 |

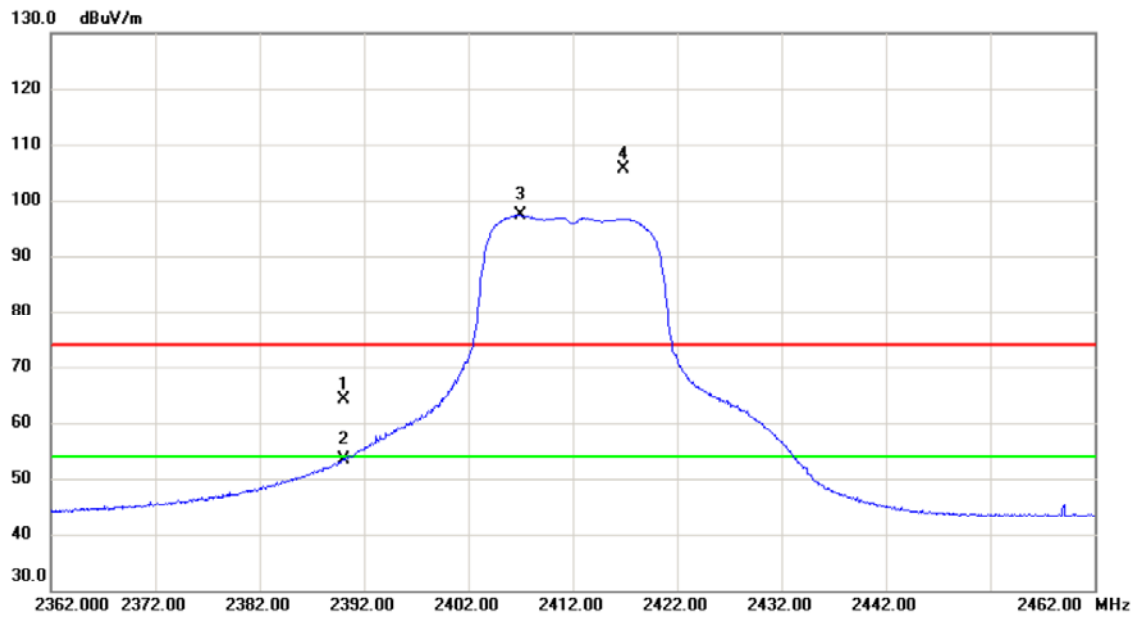
## CH01\_Horizontal



| 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 | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 2390.000     | 55.17                    | 8.28                    | 63.45                      | 74.00           | -10.55     | peak     |         |
| 2   |     | 2390.000     | 42.79                    | 8.28                    | 51.07                      | 54.00           | -2.93      | AVG      |         |
| 3   | X   | 2412.900     | 95.81                    | 8.36                    | 104.17                     | 74.00           | 30.17      | peak     |         |
| 4   | *   | 2416.600     | 87.61                    | 8.38                    | 95.99                      | 54.00           | 41.99      | AVG      |         |



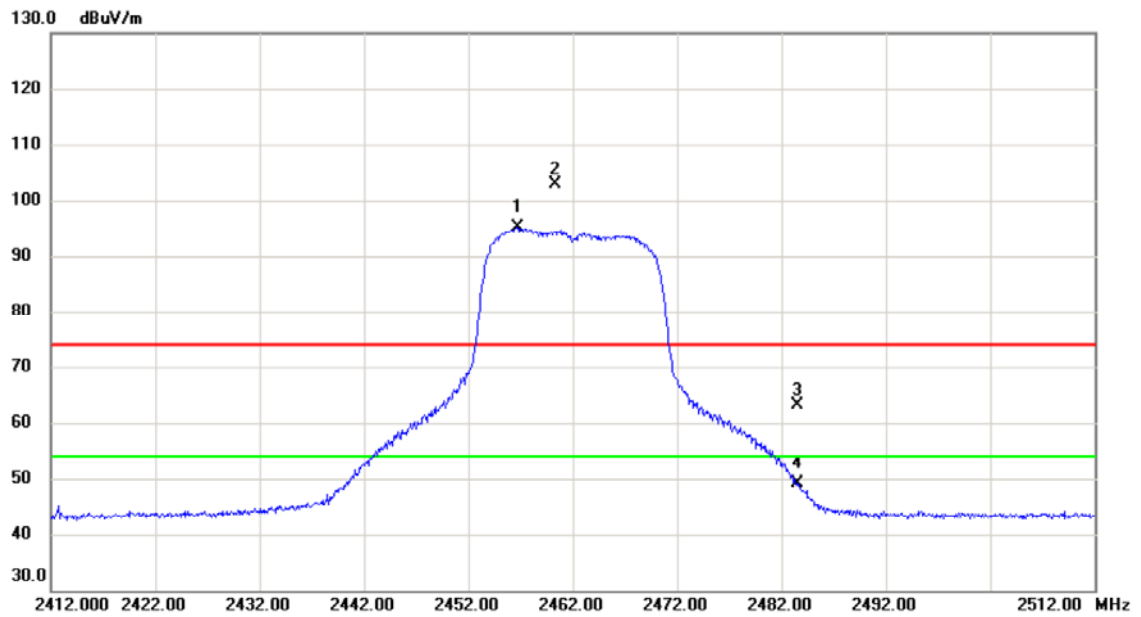
## CH01\_Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over  |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|-------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB    | Detector | Comment |
| 1   |     | 2390.000 | 55.87         | 8.28           | 64.15        | 74.00  | -9.85 | peak     |         |
| 2   |     | 2390.000 | 45.17         | 8.28           | 53.45        | 54.00  | -0.55 | AVG      |         |
| 3   | *   | 2407.000 | 88.99         | 8.32           | 97.31        | 54.00  | 43.31 | AVG      |         |
| 4   | X   | 2416.800 | 97.36         | 8.38           | 105.74       | 74.00  | 31.74 | peak     |         |



## CH11\_Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 2456.700 | 86.52         | 8.58           | 95.10        | 54.00  | 41.10  | AVG      |         |
| 2   | X   | 2460.300 | 94.31         | 8.60           | 102.91       | 74.00  | 28.91  | peak     |         |
| 3   |     | 2483.500 | 54.41         | 8.72           | 63.13        | 74.00  | -10.87 | peak     |         |
| 4   |     | 2483.500 | 40.44         | 8.72           | 49.16        | 54.00  | -4.84  | AVG      |         |



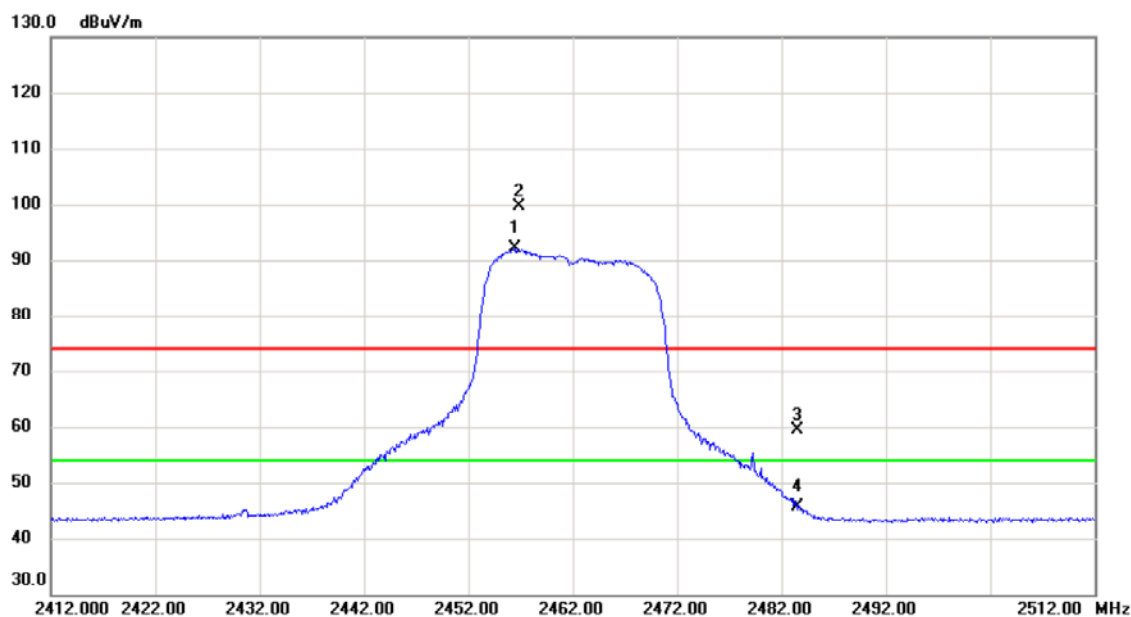
**Spectrum Research & Testing Lab., Inc.**

No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 90 of 131  
Date: Aug. 02, 2023

## CH11\_Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 2456.400 | 83.47         | 8.58           | 92.05        | 54.00  | 38.05  | AVG      |         |
| 2   | X   | 2456.900 | 91.13         | 8.58           | 99.71        | 74.00  | 25.71  | peak     |         |
| 3   |     | 2483.500 | 50.60         | 8.72           | 59.32        | 74.00  | -14.68 | peak     |         |
| 4   |     | 2483.500 | 36.95         | 8.72           | 45.67        | 54.00  | -8.33  | AVG      |         |

**Note:** Measurement uncertainty is 3.85 dB.



**Spectrum Research & Testing Lab., Inc.**  
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# TEST REPORT

Reference No.: A23070303  
Report No.: FCCA23070303-W0  
FCC ID : QCI-SKIWB800D3  
Page: 91 of 131  
Date: Aug. 02, 2023

CH01 :



CH11 :



|                                                                                                                                                                                                                                              |                      |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
|  <b>Spectrum Research &amp; Testing Lab., Inc.</b><br>No.167,Ln. 780, Shan-Tong Rd.,Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.) | <h1>TEST REPORT</h1> | Reference No.: A23070303<br>Report No.: FCCA23070303-W0<br>FCC ID : QCI-SKIWB800D3<br>Page: 92 of 131<br>Date: Aug. 02, 2023 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|

## Conducted Test

|                  |               |               |                |
|------------------|---------------|---------------|----------------|
| Temperature:     | 28 °C         | Humidity:     | 70 %RH         |
| Frequency Range: | 2.3 ~ 2.6 GHz | Tested Mode:  | 802.11n - HT20 |
| Detector Type:   | PK. and AV.   | IF Bandwidth: | 100 kHz        |
| Tested By:       | Jimmy tseng   | Tested Date:  | Jul. 07, 2023  |

| The maximum radio frequency power within the bandwidth range. |             |                    |             |
|---------------------------------------------------------------|-------------|--------------------|-------------|
| Upper edge strip                                              |             | lower margin strip |             |
| Frequency                                                     | Power (dBm) | Frequency (MHz)    | Power (dBm) |
| 2412                                                          | 11.83       | 2462               | 10.85       |

| Frequency    | Bandedge | amplitude difference | Frequency | Bandedge |
|--------------|----------|----------------------|-----------|----------|
| < 2.4 GHz    | -30.84   | 42.67                | 20 dB     | Pass     |
| > 2.4835 GHz | -37.78   | 48.63                | 20 dB     | Pass     |

**Spectrum Research & Testing Lab., Inc.**

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**TEST REPORT**

Reference No.: A23070303

Report No.: FCCA23070303-W0

FCC ID : QCI-SKIWB800D3

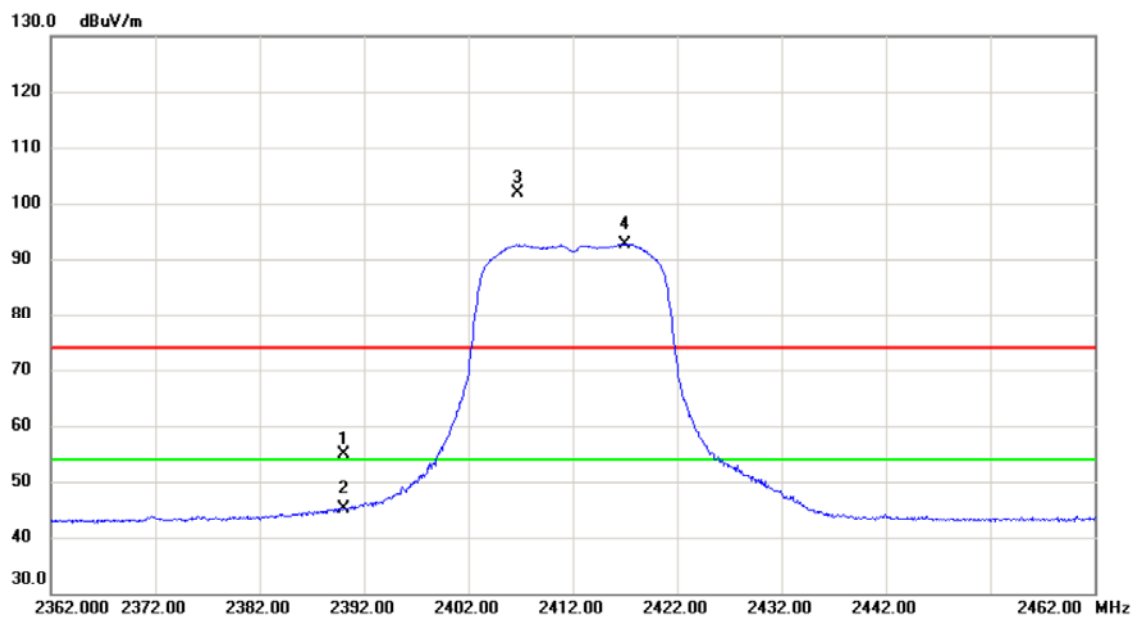
Page: 93 of 131

Date: Aug. 02, 2023

**Radiated Test**

|                  |               |               |                |
|------------------|---------------|---------------|----------------|
| Temperature:     | 28 °C         | Humidity:     | 70 %RH         |
| Frequency Range: | 2.3 ~ 2.6 GHz | Tested Mode:  | 802.11n - HT20 |
| Detector Type:   | PK. and AV.   | IF Bandwidth: | 100 kHz        |
| Tested By:       | Jimmy tseng   | Tested Date:  | Jul. 07, 2023  |

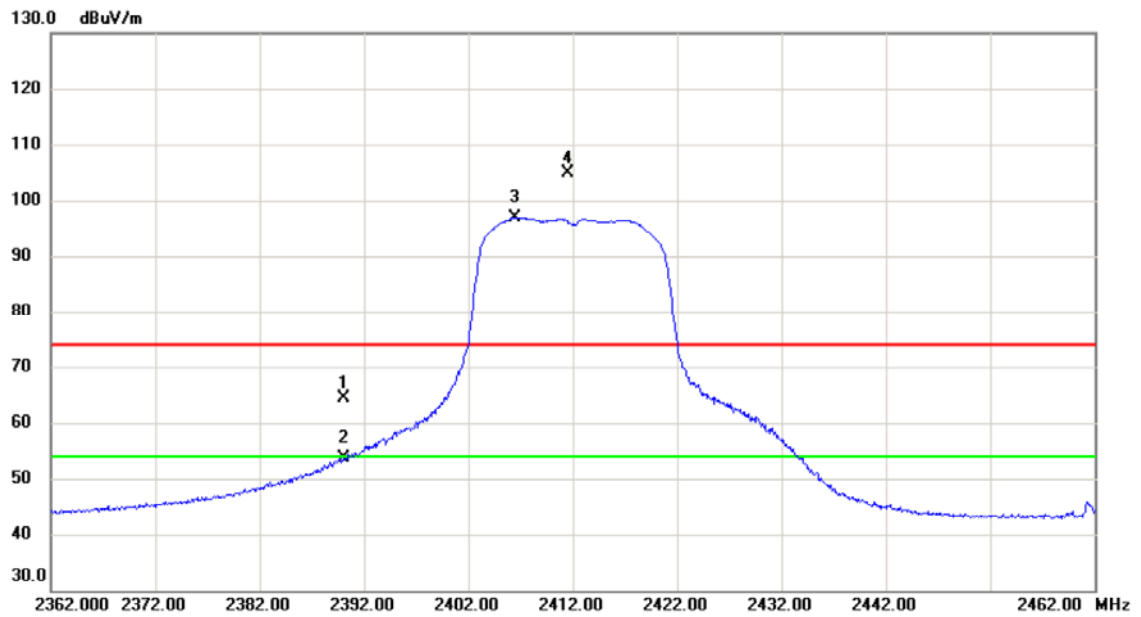
## CH01\_Horizontal



| 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 | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 2390.000     | 46.55                    | 8.28                    | 54.83                      | 74.00           | -19.17     | peak     |         |
| 2   |     | 2390.000     | 36.83                    | 8.28                    | 45.11                      | 54.00           | -8.89      | AVG      |         |
| 3   | X   | 2406.700     | 93.45                    | 8.32                    | 101.77                     | 74.00           | 27.77      | peak     |         |
| 4   | *   | 2417.000     | 84.34                    | 8.38                    | 92.72                      | 54.00           | 38.72      | AVG      |         |



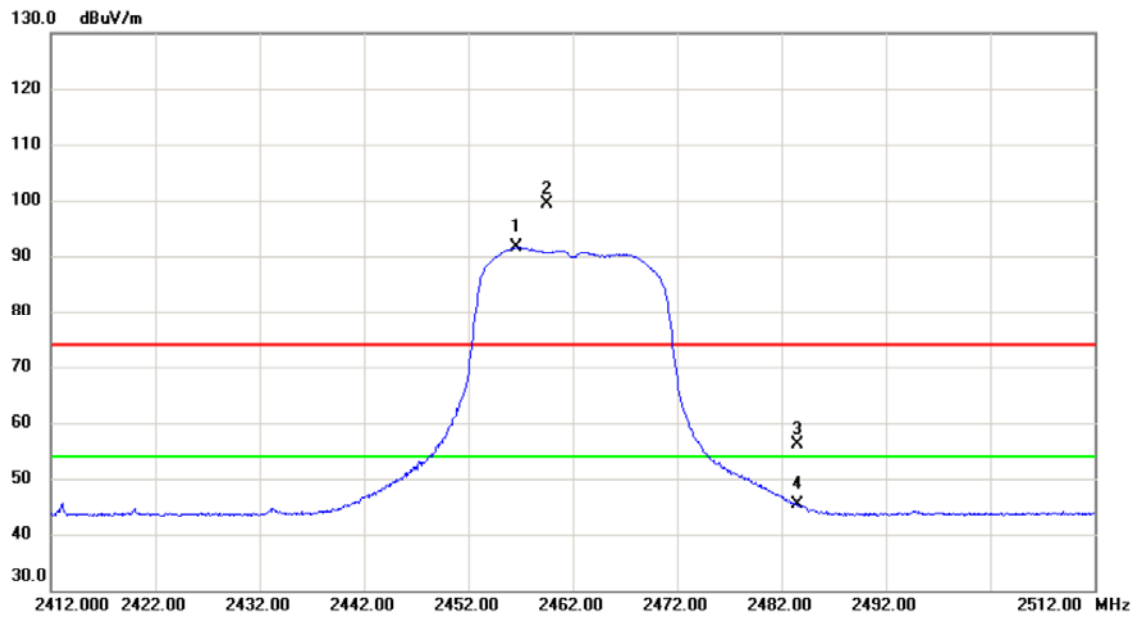
## CH01\_Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over  |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB    | Detector | Comment |
| 1   |     | 2390.000 | 56.18         | 8.28           | 64.46       | 74.00  | -9.54 | peak     |         |
| 2   |     | 2390.000 | 45.30         | 8.28           | 53.58       | 54.00  | -0.42 | AVG      |         |
| 3   | *   | 2406.500 | 88.67         | 8.32           | 96.99       | 54.00  | 42.99 | AVG      |         |
| 4   | X   | 2411.500 | 96.61         | 8.36           | 104.97      | 74.00  | 30.97 | peak     |         |



## CH11\_Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 2456.600 | 82.94         | 8.58           | 91.52        | 54.00  | 37.52  | AVG      |         |
| 2   | X   | 2459.500 | 90.77         | 8.60           | 99.37        | 74.00  | 25.37  | peak     |         |
| 3   |     | 2483.500 | 47.32         | 8.72           | 56.04        | 74.00  | -17.96 | peak     |         |
| 4   |     | 2483.500 | 36.67         | 8.72           | 45.39        | 54.00  | -8.61  | AVG      |         |