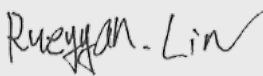


Test Report No:  
2630106R-RFUSV01S-A1

## TEST REPORT

### FCC Rules&Regulations

|                                 |                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Product Name                    | Bluetooth headset                                                                                                             |
| Brand Name                      | BIKECOMM                                                                                                                      |
| Model No.                       | BK-N1                                                                                                                         |
| FCC ID                          | WTU-28658913-N                                                                                                                |
| Applicant's Name / Address      | Open Road Solutions, Inc.<br>No.88-13 Shuili Road, Hsinchu City 300 Taiwan                                                    |
| Manufacturer's Name / Address   | Open Road Solutions, Inc.<br>No.88-13 Shuili Road, Hsinchu City 300 Taiwan                                                    |
| Test Method Requested, Standard | FCC CFR Title 47 Part 15 Subpart C Section 15.247<br>ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to<br>C63.10a-2024 |
| Verdict Summary                 | IN COMPLIANCE                                                                                                                 |
| Documented By                   | <br>Hailey Peng                            |
| Approved By                     | <br>Rueyyan Lin                            |
| Date of Receipt                 | Mar. 04, 2026                                                                                                                 |
| Date of Issue                   | May 14, 2026                                                                                                                  |
| Report Version                  | V1.0                                                                                                                          |

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## Competences and Guarantees

---

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

**IMPORTANT:** No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

## General Conditions

---

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

## Revision History

---

| Version | Description             | Issued Date  |
|---------|-------------------------|--------------|
| V1.0    | Initial issue of report | May 14, 2026 |
|         |                         |              |
|         |                         |              |
|         |                         |              |
|         |                         |              |
|         |                         |              |
|         |                         |              |
|         |                         |              |
|         |                         |              |

## Summary of Test Result

| Report Clause | Test Items                             | Result (PASS/FAIL) | Remark |
|---------------|----------------------------------------|--------------------|--------|
| 3             | AC Power Line Conducted Emission       | PASS               | -      |
| 4             | 20dB Bandwidth                         | PASS               | -      |
| 5             | Carrier Frequency Separation           | PASS               | -      |
| 6             | Maximum Conducted Output Power         | PASS               | -      |
| 7             | Number of Hopping Frequency            | PASS               | -      |
| 8             | Dwell Time                             | PASS               | -      |
| 9             | Antenna Port Conducted Emission        | PASS               | -      |
| 10            | Transmitter Radiated Spurious Emission | PASS               | -      |

### Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

## Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

## 1. General Information

### 1.1. EUT Description

|                     |                                                                                |
|---------------------|--------------------------------------------------------------------------------|
| Frequency Range     | 2400 ~ 2483.5 MHz                                                              |
| Operating Frequency | 2402 ~ 2480 MHz                                                                |
| Channel Number      | 79 Channels                                                                    |
| Mode                | Bluetooth BR / EDR                                                             |
| Type of Modulation  | Frequency Hopping Spread Spectrum                                              |
| Data Rate           | Bluetooth BR uses a GFSK (1 Mbps)                                              |
|                     | Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2 Mbps) and 8DPSK (3 Mbps) |

| Accessories Information |                  |                                              |
|-------------------------|------------------|----------------------------------------------|
| No.                     | Equipment Name   | Description                                  |
| 1                       | USB Type-C cable | Shielded, 2m                                 |
| 2                       | Headset kit      | With USB-C speaker cable: Non-Shielded, 0.6m |

| Antenna Information |            |           |      |            |
|---------------------|------------|-----------|------|------------|
| Ant.                | Brand Name | Model No. | Type | Gain (dBi) |
| 1                   | BIKECOMM   | BK-N1     | PCB  | 2.7        |

### 1.2. EUT Information

|                |                            |
|----------------|----------------------------|
| EUT Power Type | From Host system / Battery |
|----------------|----------------------------|

### 1.3. Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

#### 1.4. Testing Location Information

| Testing Location Information                                                                                                                |                                                                                                                                                                                                                                                                                              |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Test Laboratory : DEKRA Testing and Certification Co., Ltd.                                                                                 |                                                                                                                                                                                                                                                                                              |  |
| 1<br><br>(TAF: 3024)                                                                                                                        | ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.<br><br>TEL: +886-3-582-8001                      FAX: +886-3-582-8958<br><br>Test site Designation No. TW3024 with FCC.<br><br>Conformity Assessment Body Identifier (CABID) TW3024 with ISCED. |  |
| 2<br><br>(TAF: 3024)                                                                                                                        | ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.<br><br>TEL: +886-3-582-8001                      FAX: +886-3-582-8958<br><br>Test site Designation No. TW3024 with FCC.<br><br>Conformity Assessment Body Identifier (CABID) TW3024 with ISCED.   |  |
| Test site number for address 1 includes HC-SR02 and HC-CB10. Test site number for address 2 includes HC-CB02, HC-CB04, HC-SR10 and HC-SR12. |                                                                                                                                                                                                                                                                                              |  |

| Test Condition         | Test Site No. | Test Engineer | Test Environment<br>(°C / %) | Test Date             |
|------------------------|---------------|---------------|------------------------------|-----------------------|
| AC Conduction Emission | HC-SR02       | Cyril Chen    | 20~25 / 55~65                | 2026/04/09            |
| RF Conducted Emission  | HC-SR12       | Clemens Fang  | 22.4~24.2 / 52.4~54.2        | 2026/04/02~2026/04/07 |
| Radiated Emission      | HC-CB02       | Brook Cheng   | 24.5~25 / 52~55              | 2026/04/02~2026/04/07 |

#### 1.5. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

| Test item                              | Uncertainty                                    |
|----------------------------------------|------------------------------------------------|
| AC Power Line Conducted Emission       | ± 2.39 dB                                      |
| 20dB Bandwidth                         | ± 282.55 Hz                                    |
| Carrier Frequency Separation           | ± 282.55 Hz                                    |
| Maximum Conducted Output Power         | ± 1.10 dB                                      |
| Number of Hopping Frequency            | N/A                                            |
| Dwell Time                             | ± 19.555 msec                                  |
| Antenna Port Conducted Emission        | ± 1.74 dB                                      |
| Transmitter Radiated Spurious Emission | ± 3.72 dB below 1 GHz<br>± 3.18 dB above 1 GHz |

## 1.6. List of Test Equipment

### HC-SR02

| Instrument         | Manufacturer | Model No. | Serial No. | Characteristics | Cal. Date  | Next Cal. Date |
|--------------------|--------------|-----------|------------|-----------------|------------|----------------|
| EMI Test Receiver  | R&S          | ESR3      | 102608     | 9 kHz - 3.6 GHz | 2025/06/30 | 2026/06/29     |
| Two-Line V-Network | R&S          | ENV216    | 100096     | 9kHz-30MHz      | 2025/06/26 | 2026/06/25     |
| Two-Line V-Network | R&S          | ENV216    | 100092     | 9kHz-30MHz      | 2025/05/08 | 2026/05/07     |
| Coaxial Cable(9 m) | Harbour      | RG-400    | HC-SR02    | 9 kHz–2500 MHz  | 2025/08/15 | 2026/08/15     |

### HC-SR12

| Instrument                 | Manufacturer | Model No. | Serial No. | Characteristics                                 | Cal. Date  | Next Cal. Date |
|----------------------------|--------------|-----------|------------|-------------------------------------------------|------------|----------------|
| Signal & Spectrum Analyzer | R&S          | FSV40     | 101869     | 10Hz-40GHz                                      | 2025/06/17 | 2026/06/16     |
| USB Peak Power Sensor      | Anritsu      | MA24408A  | 11840      | 50 MHz to 8 GHz,<br>High VBW(165 MHz / 350 kHz) | 2025/07/18 | 2026/07/17     |

### HC-CB02

| Instrument                   | Manufacturer          | Model No.    | Serial No.   | Characteristics                                           | Cal. Date  | Next Cal. Date |
|------------------------------|-----------------------|--------------|--------------|-----------------------------------------------------------|------------|----------------|
| Signal and Spectrum Analyzer | R&S                   | FSVA40       | 101435       | 10 Hz-40 GHz                                              | 2025/05/20 | 2026/05/19     |
| Trilog Broadband Antenna     | Schwarzbeck           | VULB 9168    | 1272         | 30 MHz-2 GHz                                              | 2025/05/13 | 2026/05/12     |
| Double Ridged Horn Antenna   | RF SPIN               | DRH18-E      | 211211A18 EN | 1G-18GHz                                                  | 2025/11/03 | 2026/11/02     |
| Horn Antenna                 | Schwarzbeck           | BBHA 9170    | 203          | 18G-40GHz                                                 | 2025/12/04 | 2026/12/03     |
| Pre-Amplifier                | EMEC                  | EM01G18GA    | 060741       | 1G-18 GHz, 50 dB                                          | 2026/03/30 | 2027/03/29     |
| Pre-Amplifier                | DEKRA                 | AP-400C      | 201801231    | 18G-40 GHz, 48 dB                                         | 2025/10/16 | 2026/10/15     |
| Coaxial Cable                | Huber+Suhner          | SF104        | HC-CB02      | 30 MHz-18 GHz, 13m                                        | 2025/08/11 | 2026/08/10     |
| Coaxial Cable                | Huber+Suhner, Rosinol | SF102_UP0264 | HC-CB02-1    | 18-40 GHz, 3 m                                            | 2025/08/13 | 2026/08/12     |
| Preamplifier                 | EMCI                  | EMC118A45SEE | 980978       | 1GHz-18GHz, Gain : 33 dB min @1 GHz and 45 dB min @18 GHz | 2025/05/23 | 2026/05/22     |
| Pre-Amplifier                | EMCI                  | EMC003240    | 980324       | 0.3-2500 MHz, 40 dB                                       | 2024/10/28 | 2026/10/27     |
| Magnetic Loop Antenna        | Teseq                 | HLA 6121     | 44287        | 9kHz-30 MHz                                               | 2025/10/20 | 2026/10/19     |
| Radiated Software            | Audix                 | e3 V9        | HC-CB02_1    | N/A                                                       | N/A        | N/A            |

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

## 2. Test Configuration of EUT

### 2.1. Test Condition

| EUT Operational Condition |              |
|---------------------------|--------------|
| Testing Voltage           | AC 120V/60Hz |

### 2.2. Test Frequency Mode

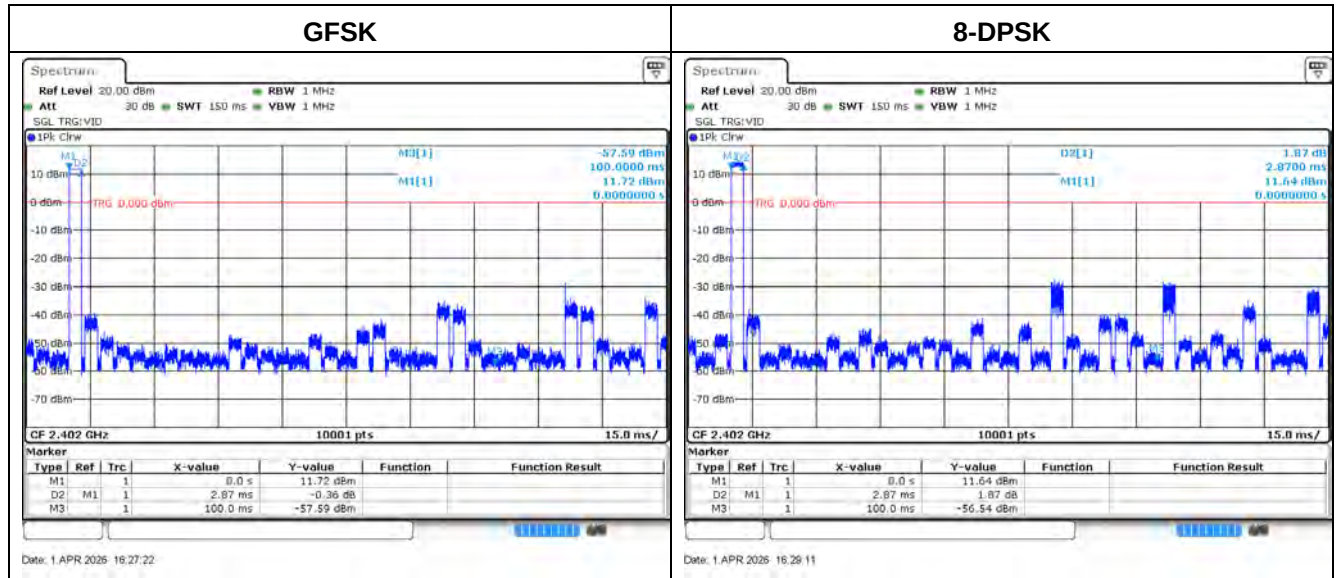
|               |           |
|---------------|-----------|
| Test Software | BlueTest3 |
|---------------|-----------|

| Modulation | Frequency (MHz) | Power Setting |
|------------|-----------------|---------------|
| GFSK       | 2402            | 5             |
|            | 2441            | 5             |
|            | 2480            | 5             |
| 8-DPSK     | 2402            | 5             |
|            | 2441            | 5             |
|            | 2480            | 5             |

### 2.3. Duty Cycle

| Modulation | On Times (ms) | On+Off Times (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) |
|------------|---------------|-------------------|----------------|-----------------------------------|
| GFSK       | 2.870         | 100.000           | 2.87           | -30.84                            |
| 8-DPSK     | 2.870         | 100.000           | 2.87           | -30.84                            |

Note: If the duty cycle correction factor lower than -20dB, the Max. duty cycle correction factor is -20dB.



## 2.4. The Worst Case Measurement Configuration

|                |                                                          |
|----------------|----------------------------------------------------------|
| Tests Item     | AC Power Line Conducted Emission                         |
| Test Condition | AC power line conducted measurement for line and neutral |
| Operating Mode | Transmit                                                 |
| 1              | Powered by notebook                                      |
| 2              | Powered by adapter                                       |

|                |                                                                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tests Item     | 20dB Bandwidth<br>Carrier Frequency Separation<br>Maximum Conducted Output Power<br>Number of Hopping Frequency<br>Dwell Time<br>Antenna Port Conducted Emission |
| Test Condition | Conducted measurement at transmit chains                                                                                                                         |
| Operating Mode | Transmit                                                                                                                                                         |
| 1              | Powered by notebook                                                                                                                                              |

|                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tests Item                                                                                                                                                                                          | Transmitter Radiated Spurious Emission                                                                                                                                                                                                              |
| Test Condition                                                                                                                                                                                      | Radiated measurement<br>If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |
| Operating Mode < 1GHz                                                                                                                                                                               | Transmit                                                                                                                                                                                                                                            |
| 1                                                                                                                                                                                                   | Powered by notebook                                                                                                                                                                                                                                 |
| 2                                                                                                                                                                                                   | Powered by adapter                                                                                                                                                                                                                                  |
| Operating Mode > 1GHz                                                                                                                                                                               | Transmit                                                                                                                                                                                                                                            |
| 1                                                                                                                                                                                                   | Powered by notebook                                                                                                                                                                                                                                 |
| The EUT was performed at X axis, Y axis and Z axis position for adiated spurious emission test.<br>The worst case was found at X axis, so the measurement will follow this same test configuration. |                                                                                                                                                                                                                                                     |

### Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

## 2.5. Tested System Details

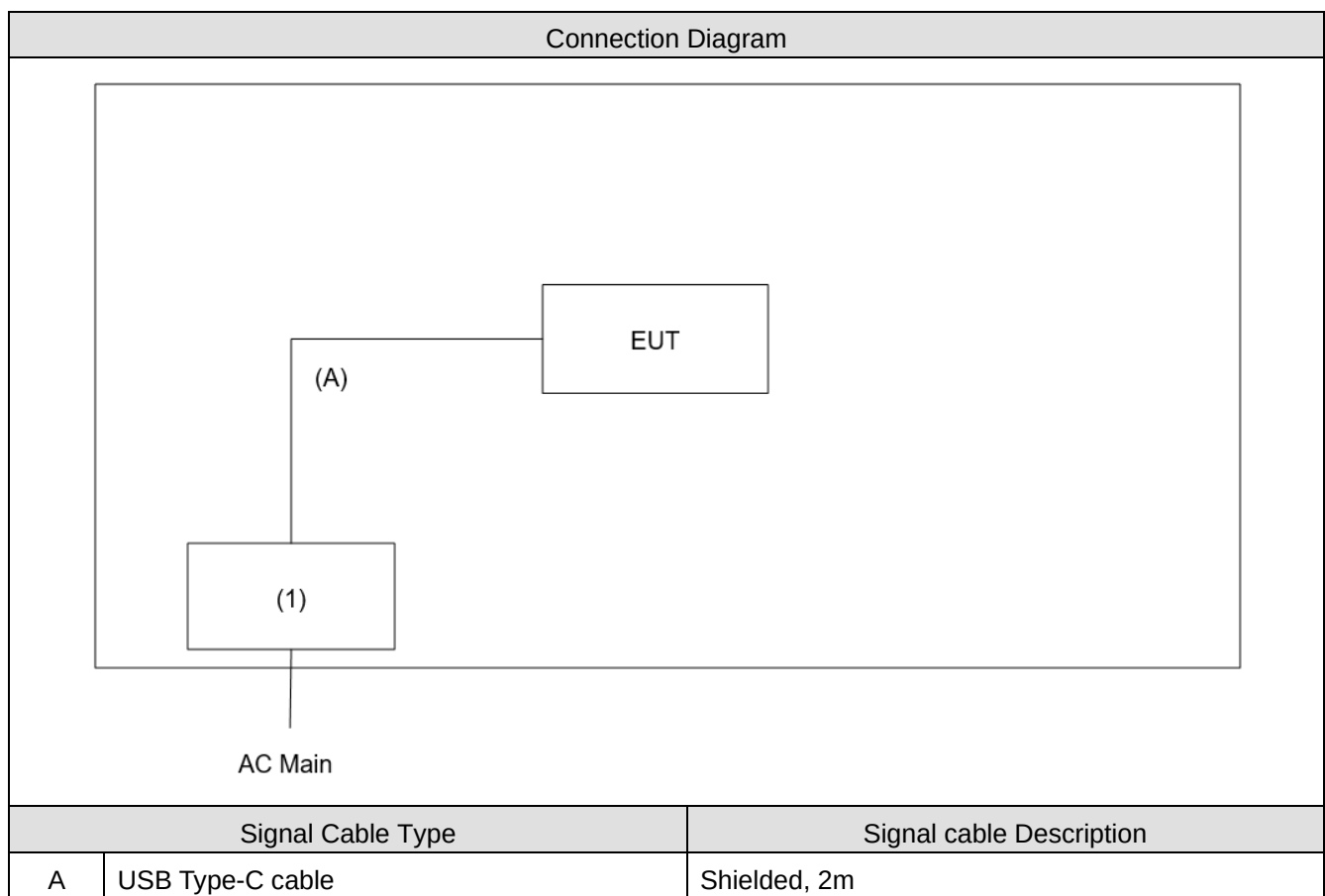
### Powered by notebook mode

| No. | Equipment | Brand Name | Model No.      | Serial No. |
|-----|-----------|------------|----------------|------------|
| 1   | Notebook  | DELL       | Latitude E7440 | 9TN6YY1    |

### Powered by adapter mode

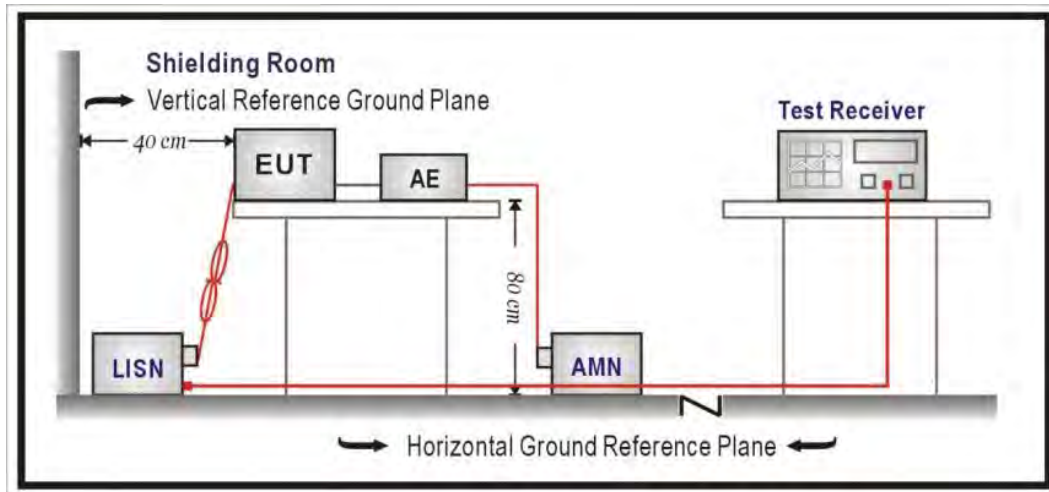
| No. | Equipment | Brand Name | Model No. | Serial No. |
|-----|-----------|------------|-----------|------------|
| 1   | Adapter   | STAR       | TC-20W    | N/A        |

## 2.6. Configuration of Tested System



### 3. AC Power Line Conducted Emission

#### 3.1. Test Setup



#### 3.2. Test Limit

| Frequency (MHz) | QP (dBuV) | AV (dBuV) |
|-----------------|-----------|-----------|
| 0.15 - 0.50     | 66 - 56   | 56 - 46   |
| 0.50 - 5.0      | 56        | 46        |
| 5.0 - 30        | 60        | 50        |

Remarks: In the above table, the tighter limit applies at the band edges.

#### 3.3. Test Procedure

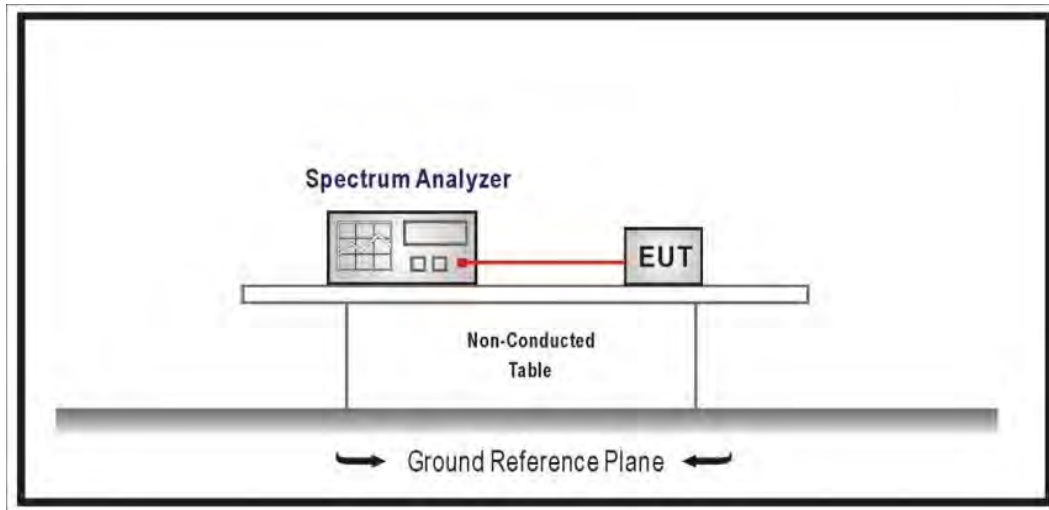
The EUT was setup according to ANSI C63.10 for AC Power Line Conducted Emissions.

#### 3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

#### 4. 20dB Bandwidth

##### 4.1. Test Setup



##### 4.2. Test Limit

N/A

##### 4.3. Test Procedures

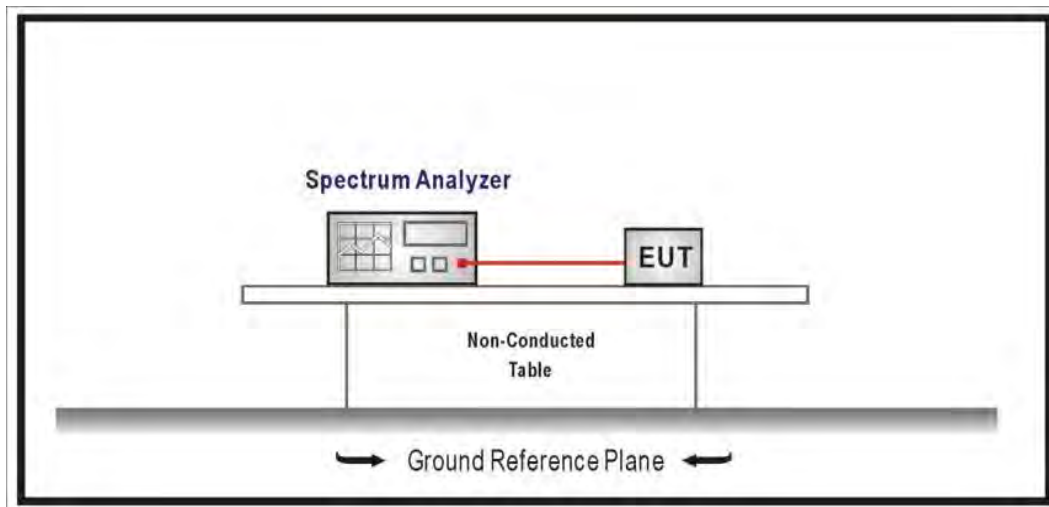
The EUT was setup according to ANSI C63.10 and tested according to FHSS test procedure of KDB 558074.

##### 4.4. Test Result of 20dB Bandwidth

Refer as Appendix B

## 5. Carrier Frequency Separation

### 5.1. Test Setup



### 5.2. Test Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400 ~ 2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an Maximum Conducted Output Power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

### 5.3. Test Procedures

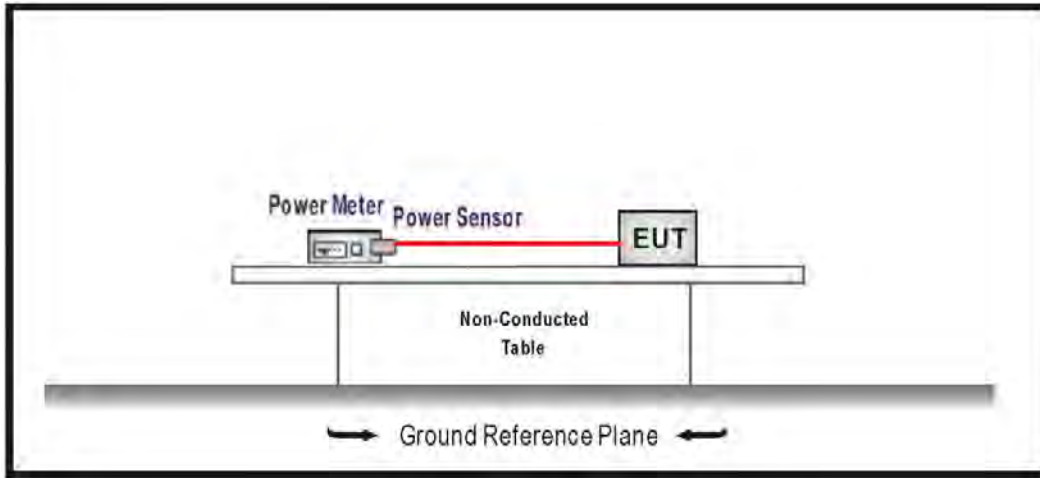
The EUT was setup according to ANSI C63.10 and tested according to FHSS test procedure of KDB 558074.

### 5.4. Test Result of Carrier Frequency Separation

Refer as Appendix C

## 6. Maximum Conducted Output Power

### 6.1. Test Setup



### 6.2. Test Limit

For frequency hopping systems operating in the 902 ~ 928 MHz band:

1. Number of Hopping Frequencies  $\geq 50$ : 1 watt (30dBm)
2.  $50 >$  Number of Hopping Frequencies  $\geq 25$ : 0.25 watt (23.98dBm)

For frequency hopping systems operating in the 2400 ~ 2483.5 MHz band:

1. Number of Hopping Frequencies  $\geq 75$ : 1 watt (30dBm)
2.  $75 >$  Number of Hopping Frequencies  $\geq 15$ : 0.125 watts (20.97dBm)

For frequency hopping systems operating in the 5725 ~ 5850 MHz band:

Number of Hopping Frequencies  $\geq 75$ : 1 watt (30dBm)

### 6.3. Test Procedures

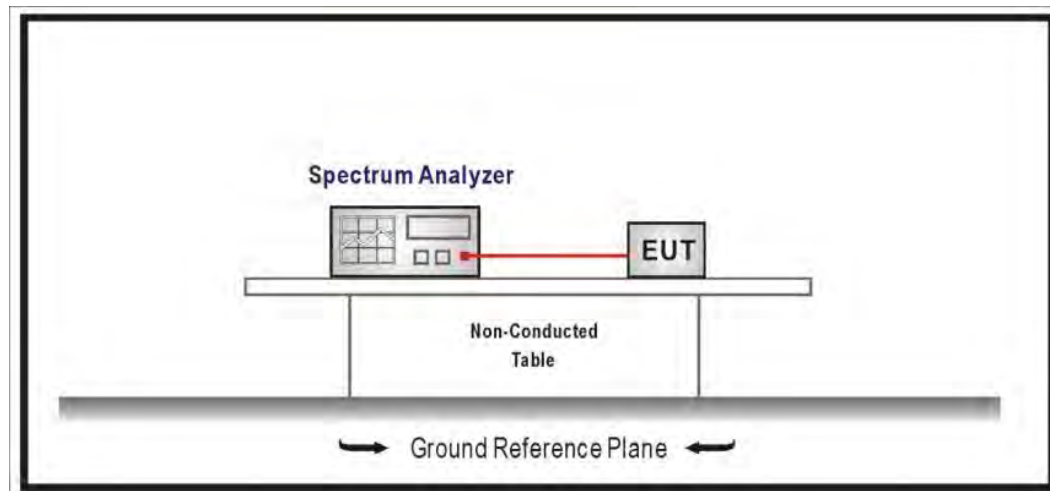
The EUT was setup according to ANSI C63.10 and tested according to FHSS test procedure of KDB 558074.

### 6.4. Test Result of Maximum Conducted Output Power

Refer as Appendix D

## 7. Number of Hopping Frequency

### 7.1. Test Setup



### 7.2. Test Limit

For frequency hopping systems operating in the 902 ~ 928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

Frequency hopping systems in the 2400 ~ 2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Frequency hopping systems operating in the 5725 ~ 5850 MHz band shall use at least 75 hopping frequencies. The maximum 20 dB bandwidth of the hopping channel is 1 MHz. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

### 7.3. Test Procedure

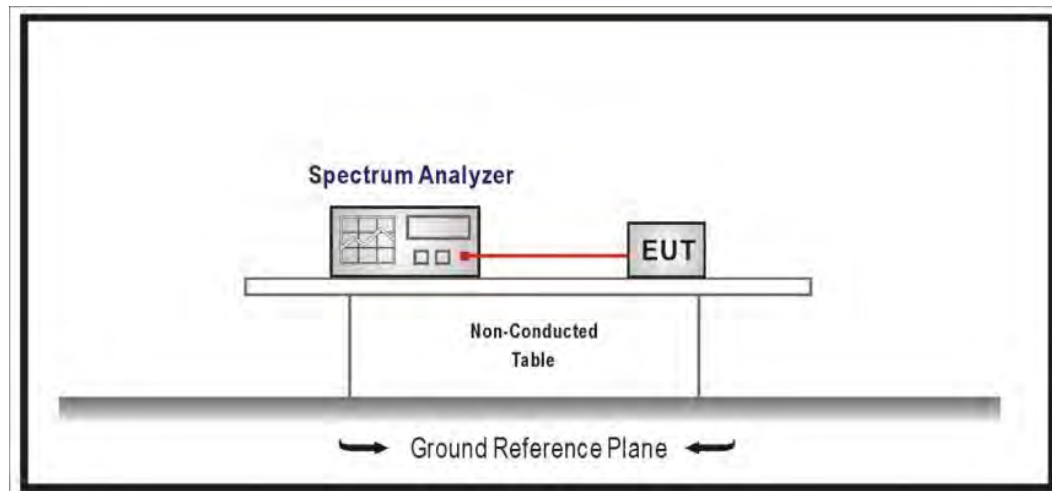
The EUT was setup according to ANSI C63.10 and tested according to FHSS test procedure of KDB 558074.

### 7.4. Test Result of Number of Hopping Frequency

Refer as Appendix E

## 8. Dwell Time

### 8.1. Test Setup



### 8.2. Test Limit

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

For frequency hopping systems operating in the 2400-2483.5 MHz bands. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

For frequency hopping systems operating in the 5725-5850 MHz bands. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

### 8.3. Test Procedure

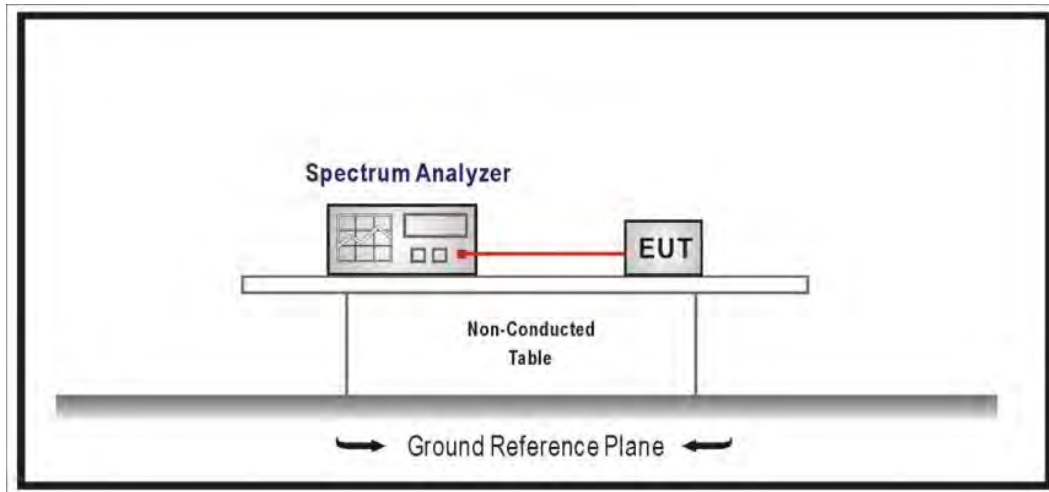
The EUT was setup according to ANSI C63.10 and tested according to FHSS test procedure of KDB 558074.

### 8.4. Test Result of Dwell Time

Refer as Appendix F

## 9. Antenna Port Conducted Emission

### 9.1. Test Setup



### 9.2. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the radio frequency power that is produced 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 measurement, provided the transmitter demonstrates compliance with the peak conducted power limit.

### 9.3. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to FHSS test procedure of KDB 558074.

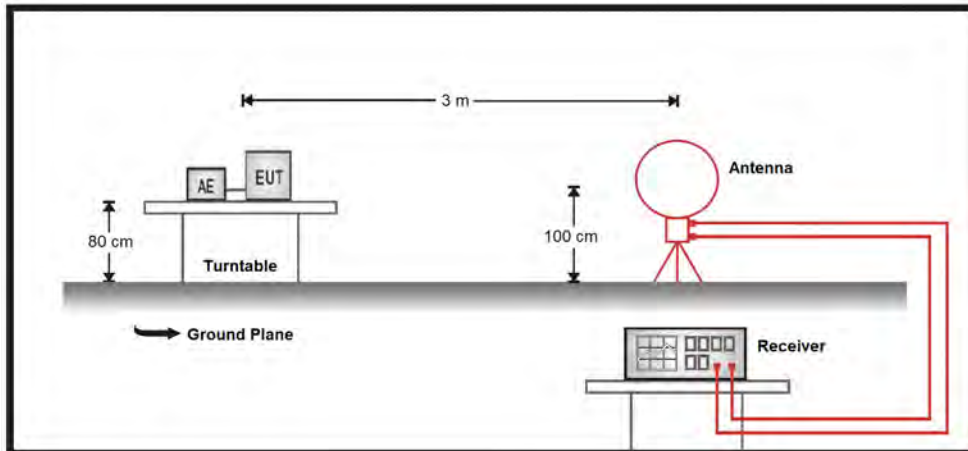
### 9.4. Test Result of Antenna Port Conducted Emission

Refer as Appendix G

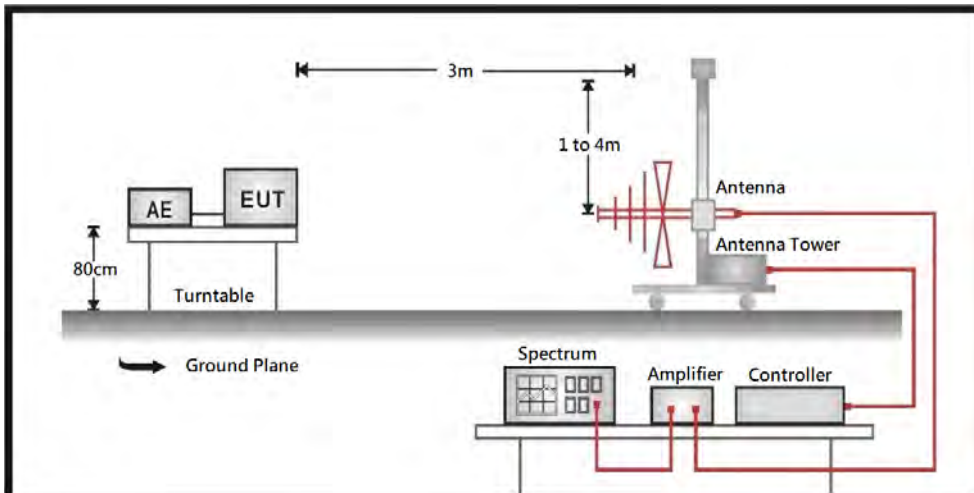
## 10. Transmitter Radiated Spurious Emission

### 10.1. Test Setup

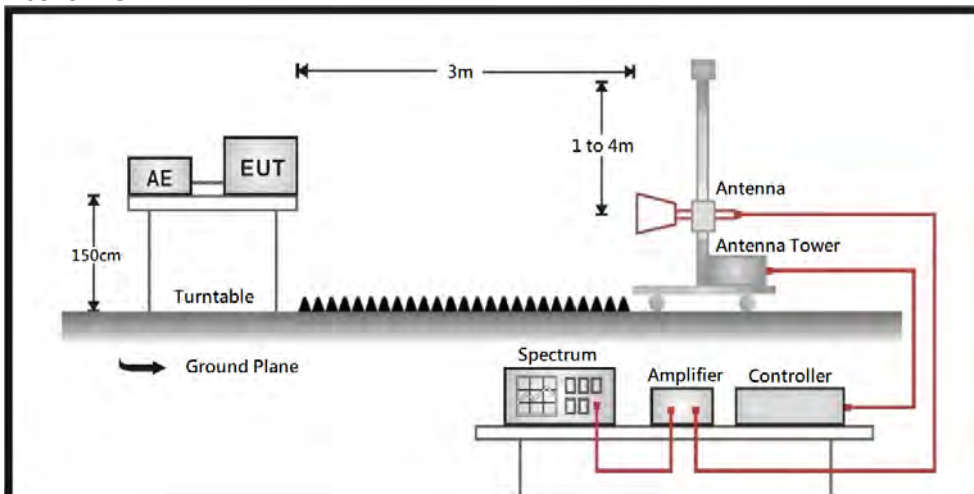
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



## 10.2. Test Limit

| Frequency (MHz) | Field strength (uV/m) | Field strength (dBuV/m) | Measurement distance (m) |
|-----------------|-----------------------|-------------------------|--------------------------|
| 0.009 – 0.490   | 2400/F(kHz)           | 20 log (2400/F(kHz))    | 300                      |
| 0.490 – 1.705   | 24000/F(kHz)          | 20 log (24000/F(kHz))   | 30                       |
| 1.705 - 30      | 30                    | 29.5                    | 30                       |
| 30 - 88         | 100                   | 40                      | 3                        |
| 88 - 216        | 150                   | 43.5                    | 3                        |
| 216 - 960       | 200                   | 46                      | 3                        |
| Above 960       | 500                   | 54                      | 3                        |

Remarks:

1. Field strength (dBuV/m) = 20 log Field strength (uV/m)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

## 10.3. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to FHSS test procedure of KDB 558074.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10 on radiated measurement.

On any frequency or frequencies from 9 kHz (include the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limit shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limit shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1 MHz.

#### **10.4. Test Result of Transmitter Radiated Spurious Emission (Below 30 MHz)**

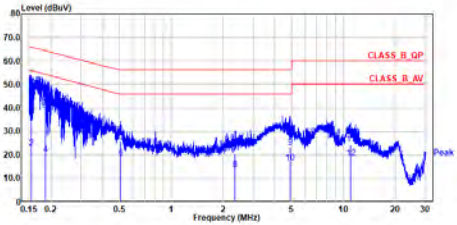
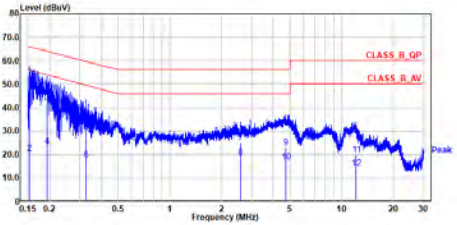
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

#### **10.5. Test Result of Transmitter Radiated Spurious Emission**

Refer as Appendix H

## Appendix A. Test Result of AC Power Line Conducted Emission

Test Mode: Mode 1

| TX_BT3M_2480MHz_Line                                                                       |           |        |        |        |       |        |         | TX_BT3M_2480MHz_Neutral                                                                       |           |        |        |        |       |        |         |
|--------------------------------------------------------------------------------------------|-----------|--------|--------|--------|-------|--------|---------|-----------------------------------------------------------------------------------------------|-----------|--------|--------|--------|-------|--------|---------|
| Site :HC-SR02<br>Condition :-----,Line<br>Model No :TX_BT3M_2480MHz<br>Test By :Cyril Chen |           |        |        |        |       |        |         | Site :HC-SR02<br>Condition :-----,Neutral<br>Model No :TX_BT3M_2480MHz<br>Test By :Cyril Chen |           |        |        |        |       |        |         |
|           |           |        |        |        |       |        |         |             |           |        |        |        |       |        |         |
| No.                                                                                        | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  | No.                                                                                           | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|                                                                                            | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |                                                                                               | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1                                                                                          | 0.154     | 46.11  | 65.76  | -19.65 | 36.49 | 9.62   | QP      | 1                                                                                             | 0.153     | 44.18  | 65.89  | -21.67 | 34.56 | 9.62   | QP      |
| 2                                                                                          | 0.154     | 22.82  | 55.76  | -32.94 | 13.20 | 9.62   | Average | 2                                                                                             | 0.153     | 20.58  | 55.85  | -35.27 | 10.96 | 9.62   | Average |
| 3                                                                                          | 0.187     | 48.27  | 64.19  | -23.92 | 30.65 | 9.62   | QP      | 3                                                                                             | 0.194     | 42.11  | 63.86  | -21.75 | 32.49 | 9.62   | QP      |
| 4                                                                                          | 0.187     | 28.27  | 54.19  | -33.92 | 10.65 | 9.62   | Average | 4                                                                                             | 0.194     | 23.65  | 53.86  | -30.21 | 14.03 | 9.62   | Average |
| 5                                                                                          | 0.511     | 25.64  | 56.00  | -30.36 | 15.99 | 9.65   | QP      | 5                                                                                             | 0.326     | 29.63  | 59.55  | -29.92 | 19.99 | 9.64   | QP      |
| 6                                                                                          | 0.511     | 18.07  | 46.00  | -27.13 | 9.23  | 9.65   | Average | 6                                                                                             | 0.326     | 17.90  | 49.55  | -31.65 | 8.26  | 9.64   | Average |
| 7                                                                                          | 2.354     | 20.67  | 56.00  | -35.33 | 10.90 | 9.77   | QP      | 7                                                                                             | 2.570     | 25.10  | 56.00  | -30.90 | 15.11 | 9.79   | QP      |
| 8                                                                                          | 2.354     | 13.54  | 46.00  | -32.46 | 3.77  | 9.77   | Average | 8                                                                                             | 2.570     | 18.84  | 46.00  | -27.16 | 9.85  | 9.79   | Average |
| 9                                                                                          | 4.890     | 23.26  | 56.00  | -32.74 | 13.36 | 9.90   | QP      | 9                                                                                             | 4.727     | 22.90  | 56.00  | -33.10 | 13.01 | 9.89   | QP      |
| 10                                                                                         | 4.890     | 16.69  | 46.00  | -29.31 | 6.79  | 9.90   | Average | 10                                                                                            | 4.727     | 17.01  | 46.00  | -28.99 | 7.12  | 9.89   | Average |
| 11                                                                                         | 10.977    | 24.55  | 60.00  | -35.45 | 10.10 | 10.10  | QP      | 11                                                                                            | 12.131    | 19.90  | 60.00  | -40.10 | 9.71  | 10.19  | QP      |
| 12                                                                                         | 10.977    | 18.70  | 50.00  | -31.30 | 8.60  | 10.10  | Average | 12                                                                                            | 12.131    | 14.34  | 50.00  | -35.66 | 4.15  | 10.19  | Average |

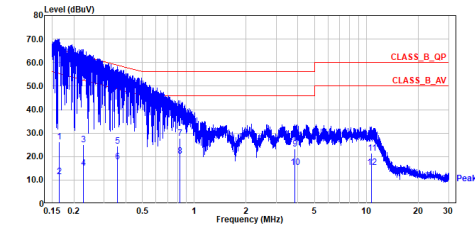
Note:  
1. "\*" means this data is the worst emission level.  
2. Emission Level = Reading Level + Correct Factor  
(Correct Factor = LISN Insertion Loss + Cable Loss).  
3. Margin = Emission Level - Limit.

Note:  
1. "\*" means this data is the worst emission level.  
2. Emission Level = Reading Level + Correct Factor  
(Correct Factor = LISN Insertion Loss + Cable Loss).  
3. Margin = Emission Level - Limit.

## Test Mode: Mode 2

## TX\_BT3M\_2480MHz\_Line

Site :HC-SR02  
Condition :---,Line  
Model No :TX\_BT3M\_2480MHz  
Test By :Cyril Chen



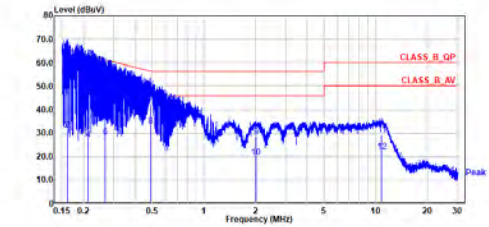
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |         |
| 1   | 0.164     | 26.21  | 65.23  | -39.02 | 16.59 | 9.62   | QP      |
| 2   | 0.164     | 11.46  | 55.23  | -43.77 | 1.84  | 9.62   | Average |
| 3   | 0.227     | 25.02  | 62.57  | -37.55 | 15.39 | 9.63   | QP      |
| 4   | 0.227     | 15.02  | 52.57  | -37.55 | 5.39  | 9.63   | Average |
| 5   | 0.359     | 24.34  | 58.76  | -34.42 | 14.70 | 9.64   | QP      |
| 6   | 0.359     | 17.74  | 48.76  | -31.02 | 8.10  | 9.64   | Average |
| 7   | 0.828     | 27.65  | 56.00  | -28.35 | 17.96 | 9.69   | QP      |
| 8   | 0.828     | 20.38  | 46.00  | -25.62 | 10.69 | 9.69   | Average |
| 9   | 3.838     | 23.10  | 56.00  | -32.90 | 13.25 | 9.85   | QP      |
| 10  | 3.838     | 15.45  | 46.00  | -30.55 | 5.60  | 9.85   | Average |
| 11  | 10.726    | 21.31  | 60.00  | -38.69 | 11.22 | 10.09  | QP      |
| 12  | 10.726    | 15.45  | 50.00  | -34.55 | 5.36  | 10.09  | Average |

## Note:

1. "" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor  
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

## TX\_BT3M\_2480MHz\_Neutral

Site :HC-SR02  
Condition :---,Neutral  
Model No :TX\_BT3M\_2480MHz  
Test By :Cyril Chen



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |         |
| 1   | 0.161     | 61.17  | 65.47  | -4.25  | 53.55 | 9.62   | QP      |
| 2   | 0.161     | 31.30  | 55.42  | -24.12 | 21.68 | 9.62   | Average |
| 3   | 0.212     | 55.98  | 63.13  | -7.15  | 46.35 | 9.63   | QP      |
| 4   | 0.212     | 27.12  | 53.13  | -26.01 | 17.49 | 9.63   | Average |
| 5   | 0.267     | 55.55  | 61.20  | -5.65  | 45.92 | 9.61   | QP      |
| 6   | 0.267     | 28.24  | 51.20  | -22.96 | 18.61 | 9.63   | Average |
| 7   | 0.489     | 42.33  | 56.18  | -13.85 | 32.68 | 9.65   | QP      |
| 8   | 0.489     | 32.97  | 46.18  | -13.21 | 23.32 | 9.65   | Average |
| 9   | 2.005     | 28.40  | 56.00  | -27.51 | 18.73 | 9.76   | QP      |
| 10  | 2.005     | 19.52  | 46.00  | -26.48 | 9.76  | 9.76   | Average |
| 11  | 10.832    | 29.27  | 60.00  | -30.73 | 19.13 | 10.14  | QP      |
| 12  | 10.832    | 22.00  | 50.00  | -28.00 | 11.86 | 10.14  | Average |

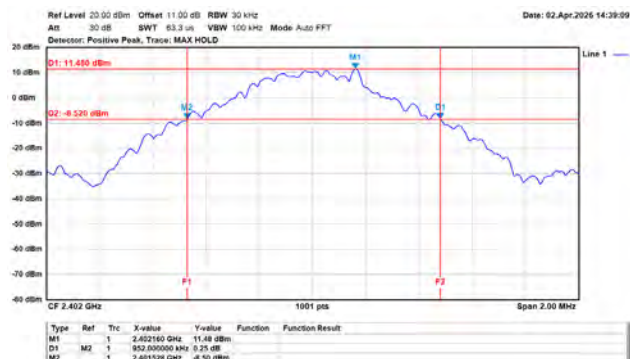
## Note:

1. "" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor  
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

**Appendix B. Test Result of 20dB Bandwidth**

| Modulation | Frequency<br>(MHz) | 20dB Bandwidth<br>(MHz) | Limit<br>(MHz) |
|------------|--------------------|-------------------------|----------------|
| GFSK       | 2402               | 0.95                    | -              |
|            | 2441               | 0.95                    | -              |
|            | 2480               | 0.95                    | -              |
| 8DPSK      | 2402               | 1.30                    | -              |
|            | 2441               | 1.30                    | -              |
|            | 2480               | 1.30                    | -              |

## GFSK(DH5) / 2402 MHz



## GFSK(DH5) / 2441 MHz



## GFSK(DH5) / 2480 MHz



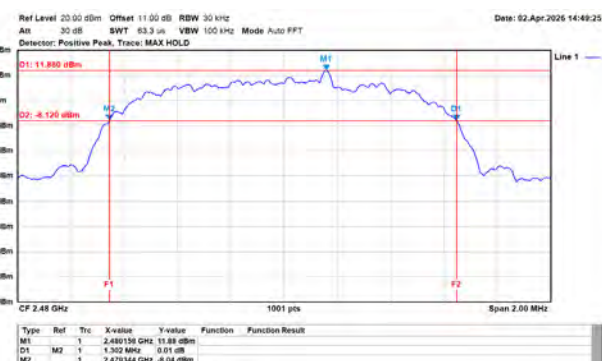
## 8DPSK(3DH5) / 2402 MHz



## 8DPSK(3DH5) / 2441 MHz



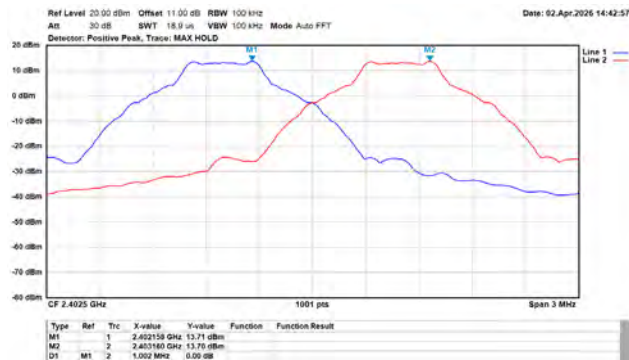
## 8DPSK(3DH5) / 2480 MHz



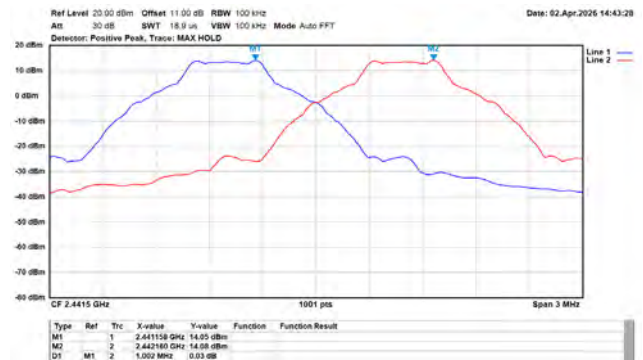
**Appendix C. Test Result of Carrier Frequency Separation**

| Modulation | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|------------|-----------------|---------------------|-------------|--------|
| GFSK       | 2402            | 1.00                | 0.635       | Pass   |
|            | 2441            | 1.00                | 0.635       | Pass   |
|            | 2480            | 0.99                | 0.633       | Pass   |
| 8DPSK      | 2402            | 1.00                | 0.868       | Pass   |
|            | 2441            | 1.00                | 0.868       | Pass   |
|            | 2480            | 0.99                | 0.868       | Pass   |

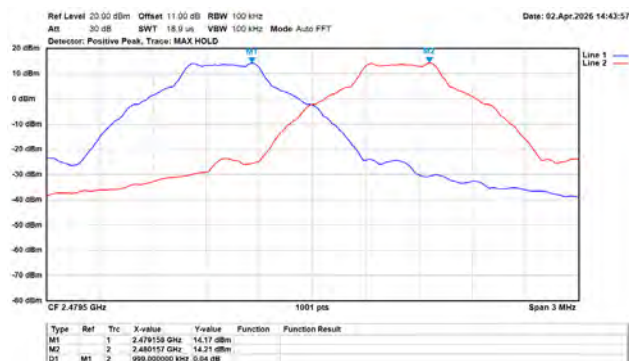
## GFSK(DH5) / 2402 MHz



## GFSK(DH5) / 2441 MHz



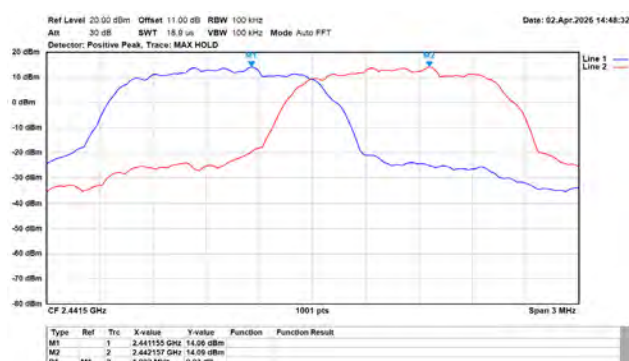
## GFSK(DH5) / 2480 MHz



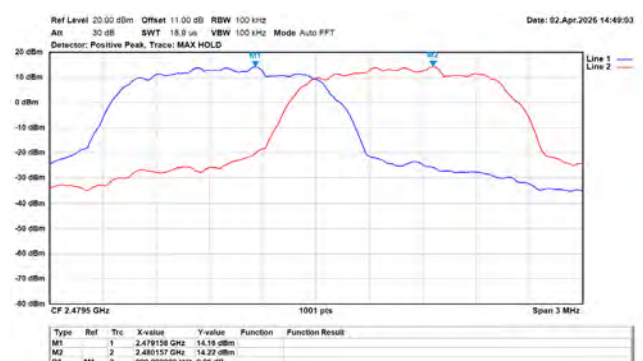
## 8DPSK(3DH5) / 2402 MHz



## 8DPSK(3DH5) / 2441 MHz



## 8DPSK(3DH5) / 2480 MHz

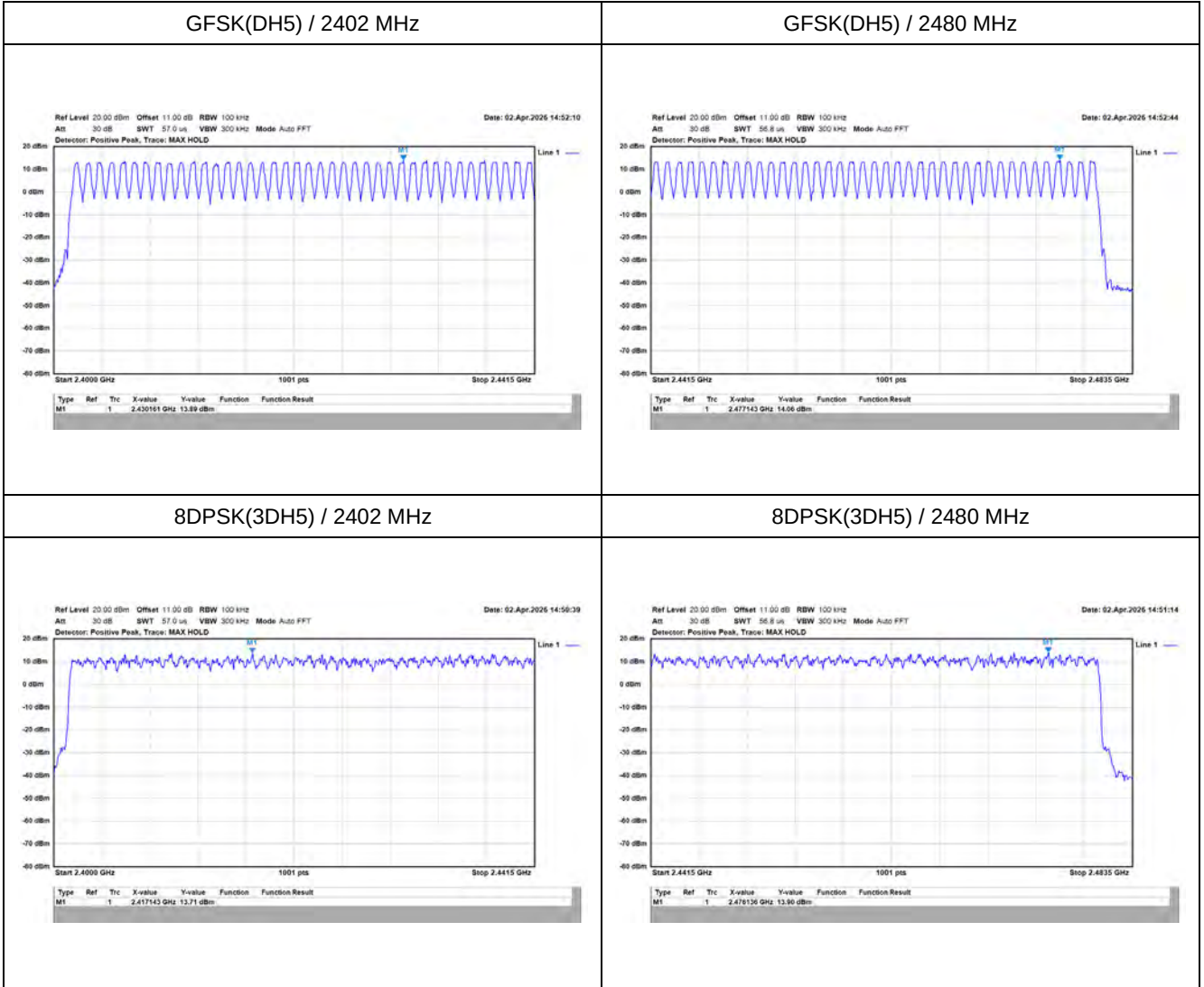


**Appendix D. Test Result of Maximum Conducted Output Power**

| Modulation | Frequency (MHz) | Maximum Conducted Peak Output Power (dBm) | Limit (dBm) | Result |
|------------|-----------------|-------------------------------------------|-------------|--------|
| GFSK       | 2402            | 16.89                                     | 20.97       | Pass   |
|            | 2440            | 17.18                                     | 20.97       | Pass   |
|            | 2480            | 17.15                                     | 20.97       | Pass   |
| 8-DPSK     | 2402            | 20.12                                     | 20.97       | Pass   |
|            | 2440            | 20.28                                     | 20.97       | Pass   |
|            | 2480            | 20.25                                     | 20.97       | Pass   |

Appendix E. Test Result of Number of Hopping Frequency

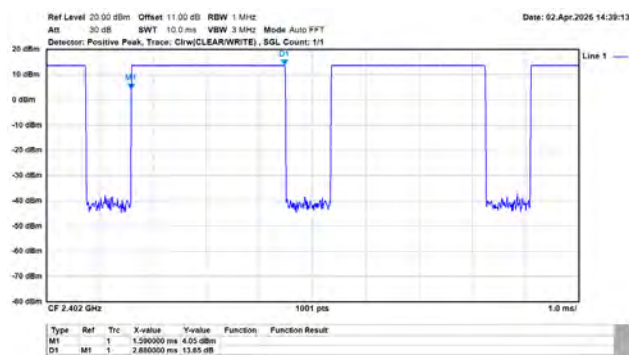
| Frequency (MHz) | Measure Level (Channels) | Limit (Channels) |
|-----------------|--------------------------|------------------|
| 2402.0 ~ 2480.0 | 79                       | $\geq 15$        |



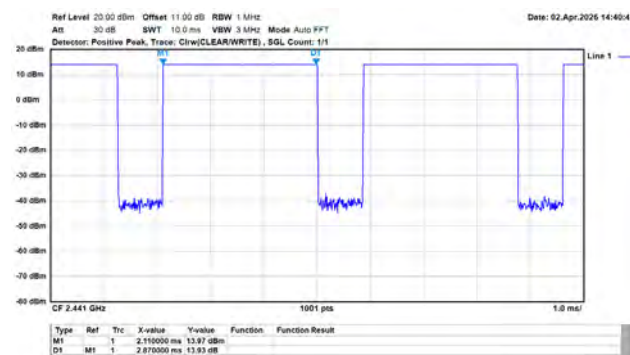
## Appendix F. Test Result of Dwell Time

| Modulation                                                                                                                        | Occupancy Time of Frequency Hopping System                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GFSK                                                                                                                              | A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : $2.88 = 0.002880$ sec<br>Dwell Time : $0.002880 \times (266.67/79) \times 31.60 = 0.307$ sec ° |
|                                                                                                                                   | B) 2441 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : $2.87 = 0.002870$ sec<br>Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec ° |
|                                                                                                                                   | C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : $2.87 = 0.002870$ sec<br>Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec ° |
|                                                                                                                                   |                                                                                                                                                                              |
| 8DPSK                                                                                                                             | A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : $2.88 = 0.002880$ sec<br>Dwell Time : $0.002880 \times (266.67/79) \times 31.60 = 0.307$ sec ° |
|                                                                                                                                   | B) 2441 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : $2.87 = 0.002870$ sec<br>Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec ° |
|                                                                                                                                   | C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : $2.87 = 0.002870$ sec<br>Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec ° |
|                                                                                                                                   |                                                                                                                                                                              |
| Test Result: The occupancy time of each highest, middle and lowest channel is less than 0.4 sec, and corresponds to the standard. |                                                                                                                                                                              |

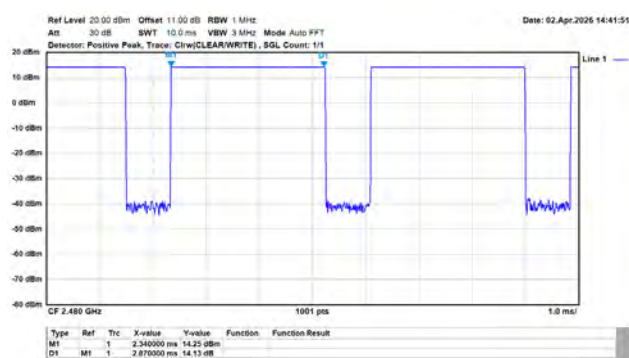
GFSK(DH5) / 2402 MHz



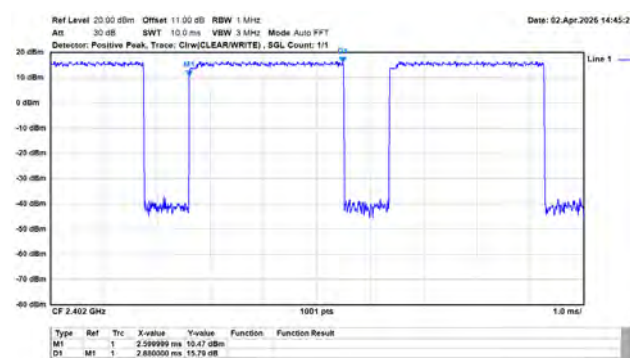
GFSK(DH5) / 2441 MHz



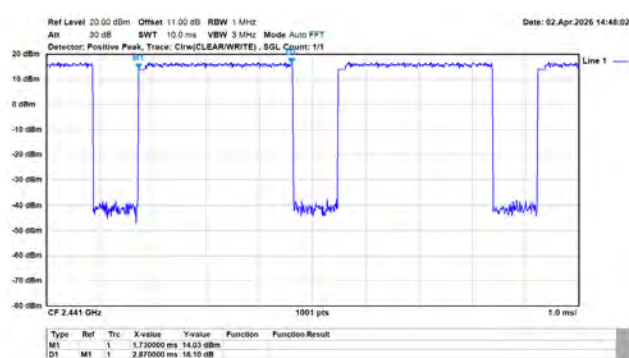
GFSK(DH5) / 2480 MHz



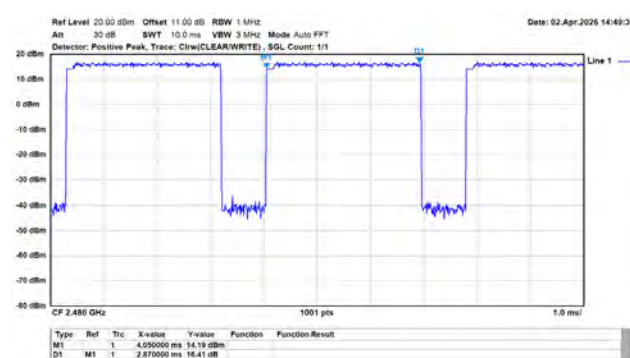
8DPSK(3DH5) / 2402 MHz



8DPSK(3DH5) / 2441 MHz



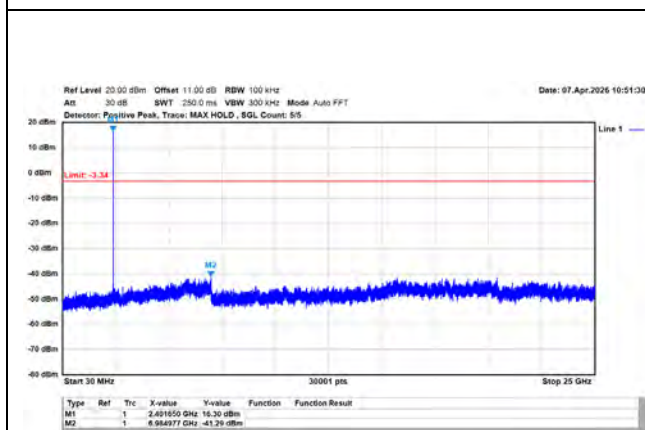
8DPSK(3DH5) / 2480 MHz



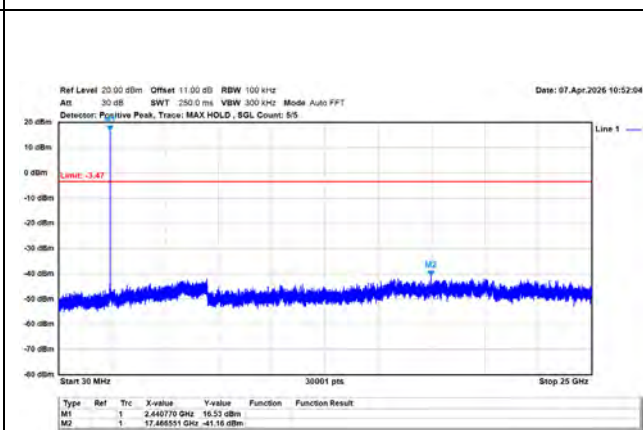
Note: Dwell time = time slot length \* hop rate / number of hopping channels \* period.

## Appendix G. Test Result of Antenna Port Conducted Emission

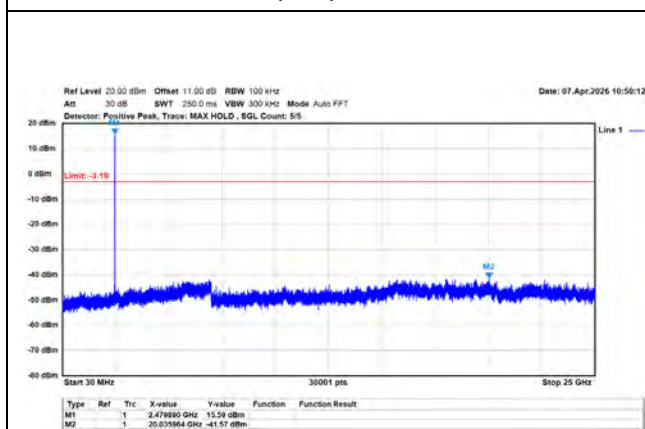
GFSK(DH5) / 2402 MHz



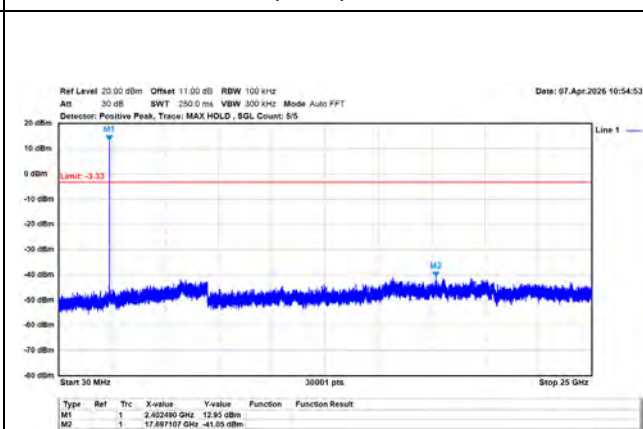
GFSK(DH5) / 2441 MHz



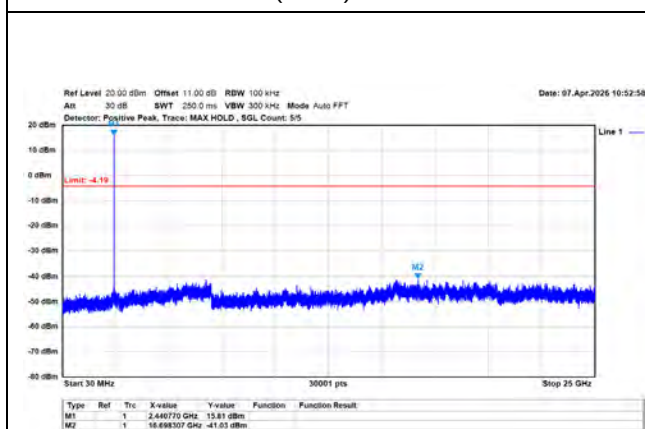
GFSK(DH5) / 2480 MHz



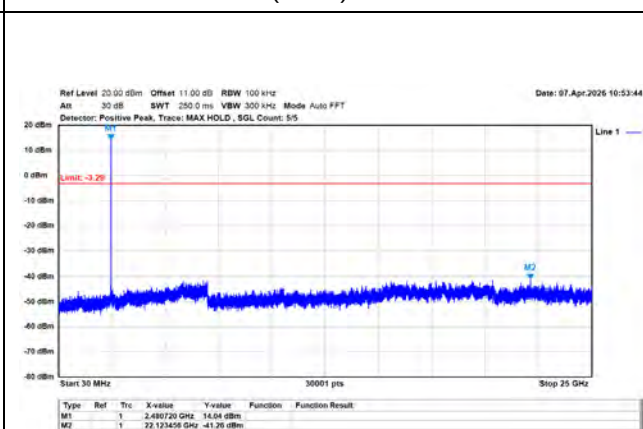
8DPSK(3DH5) / 2402 MHz



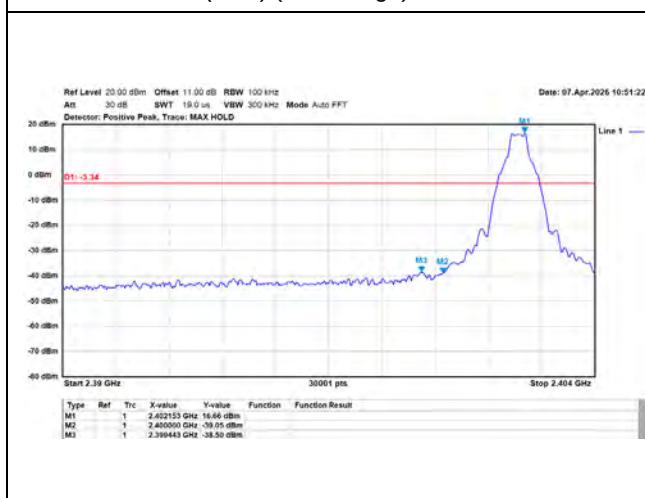
8DPSK(3DH5) / 2441 MHz



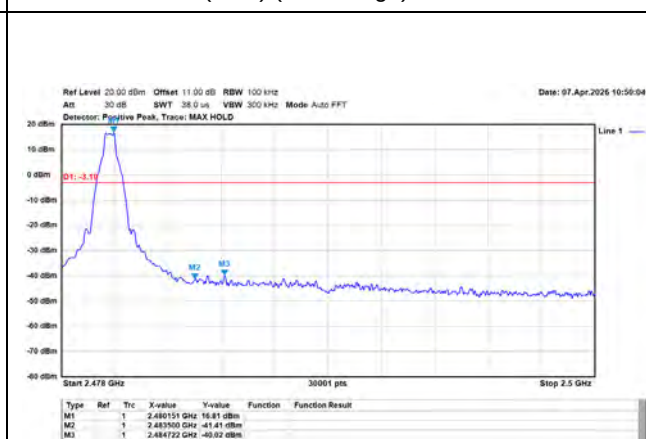
8DPSK(3DH5) / 2480 MHz



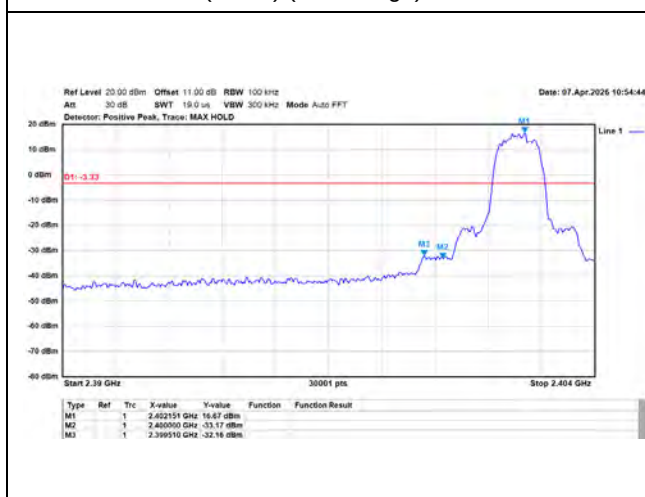
## GFSK(DH5) (Band Edge) / 2402 MHz



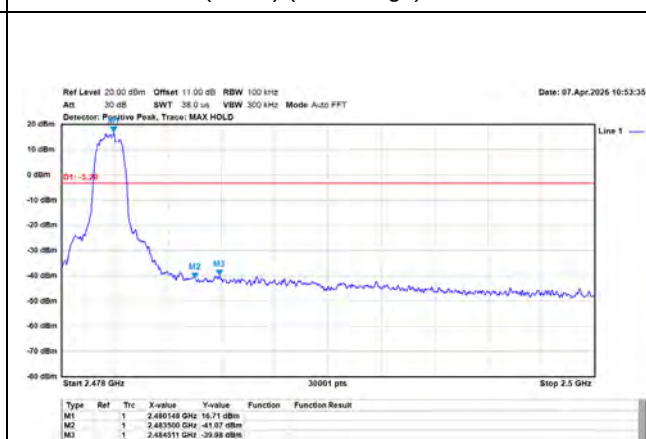
## GFSK(DH5) (Band Edge) / 2480 MHz



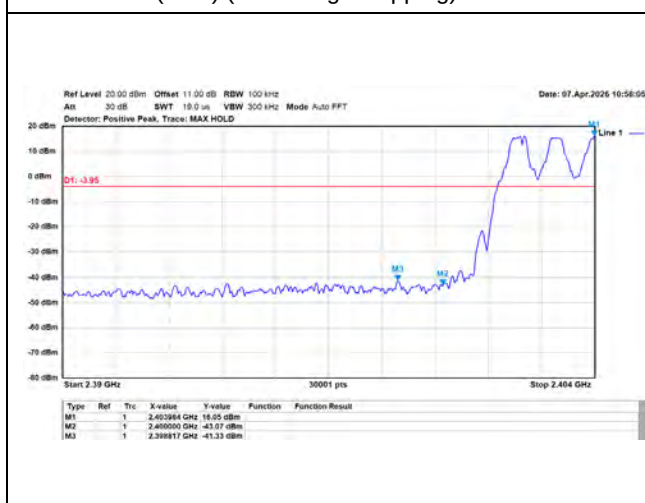
## 8DPSK(3DH5) (Band Edge) / 2402 MHz



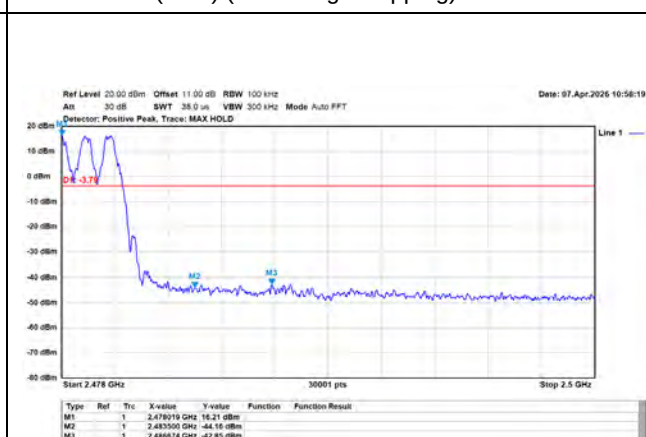
## 8DPSK(3DH5) (Band Edge) / 2480 MHz

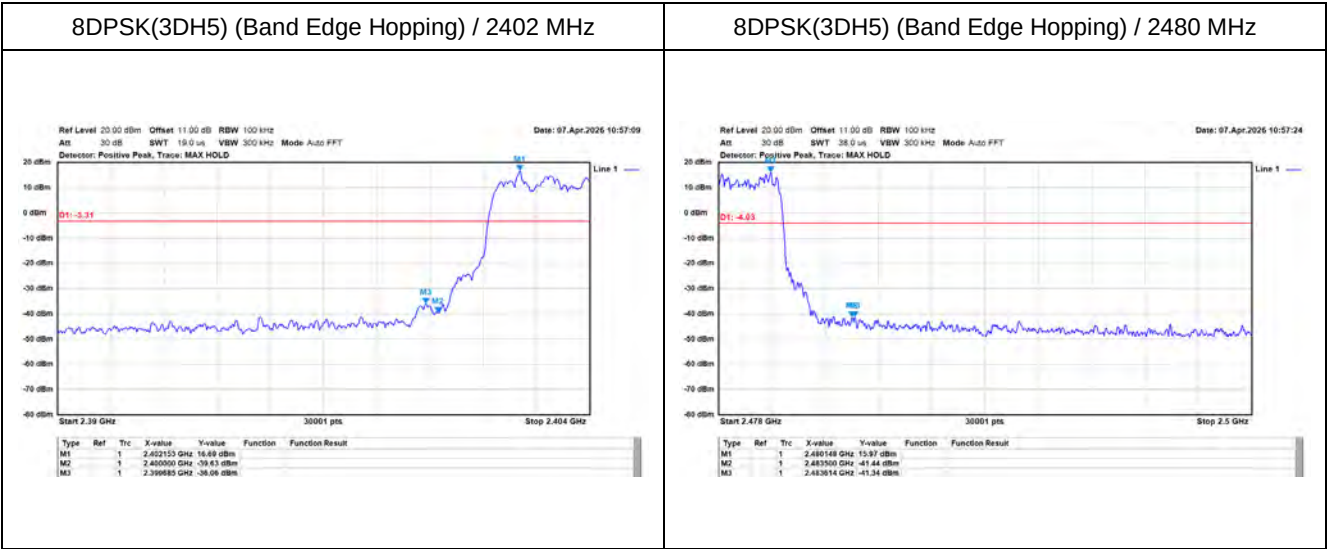


## GFSK(DH5) (Band Edge Hopping) / 2402 MHz



## GFSK(DH5) (Band Edge Hopping) / 2480 MHz



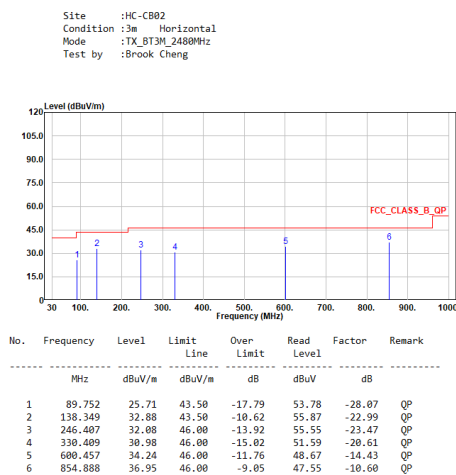


## Appendix H. Test Result of Transmitter Radiated Spurious Emission

30 MHz ~ 1 GHz

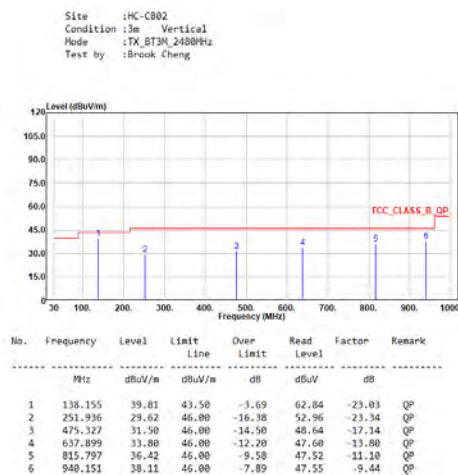
Test Mode: Mode 1

TX\_BT3M\_2480MHz\_H\_QP



Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
5. The other emission levels were very low against the limit.

TX\_BT3M\_2480MHz\_V\_QP

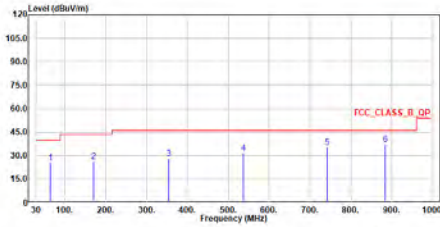


Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
5. The other emission levels were very low against the limit.

## Test Mode: Mode 2

## TX\_BT3M\_2480MHz\_H\_QP

Site :HC-C802  
Condition :3m Horizontal  
Mode :TX\_BT3M\_2480MHz  
Test by :Brook Cheng



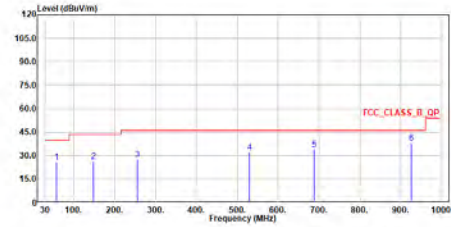
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 63.756    | 25.33  | 40.00  | -14.67 | 48.48 | -23.15 | QP     |
| 2   | 169.583   | 26.14  | 43.50  | -17.36 | 48.85 | -22.71 | QP     |
| 3   | 355.241   | 27.99  | 46.00  | -18.01 | 48.41 | -20.42 | QP     |
| 4   | 536.146   | 31.51  | 46.00  | -14.49 | 47.63 | -16.12 | QP     |
| 5   | 741.883   | 35.19  | 46.00  | -10.81 | 47.23 | -12.04 | QP     |
| 6   | 883.583   | 37.13  | 46.00  | -8.87  | 47.84 | -10.71 | QP     |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2480MHz\_V\_QP

Site :HC-C802  
Condition :3m Vertical  
Mode :TX\_BT3M\_2480MHz  
Test by :Brook Cheng



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 57.548    | 26.00  | 40.00  | -14.00 | 48.22 | -22.22 | QP     |
| 2   | 147.176   | 26.34  | 43.50  | -17.16 | 48.50 | -22.16 | QP     |
| 3   | 256.018   | 27.46  | 46.00  | -18.54 | 50.71 | -23.25 | QP     |
| 4   | 529.918   | 32.32  | 46.00  | -13.68 | 48.44 | -16.12 | QP     |
| 5   | 687.660   | 33.20  | 46.00  | -12.80 | 46.99 | -13.09 | QP     |
| 6   | 925.310   | 37.84  | 46.00  | -8.16  | 47.72 | -9.88  | QP     |

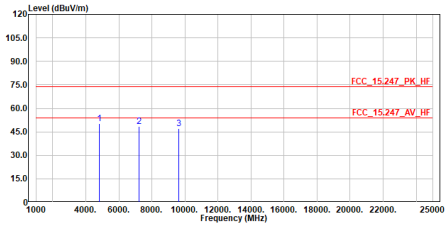
## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

## Above 1 GHz

## TX\_BT1M\_2402MHz\_H

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT1M\_2402MHz  
Test by :Brook Cheng

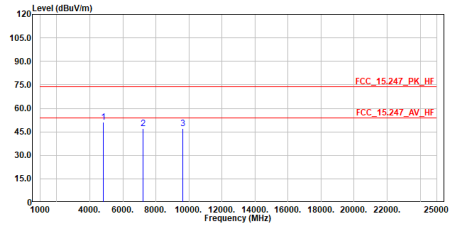


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 4884.000  | 50.09  | 74.00  | -23.91 | 66.61 | -16.52 | Peak   |
| 2   | 7206.000  | 48.66  | 74.00  | -25.34 | 59.70 | -11.04 | Peak   |
| 3   | 9608.000  | 47.25  | 74.00  | -26.75 | 54.18 | -6.93  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2402MHz\_V

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT1M\_2402MHz  
Test by :Brook Cheng

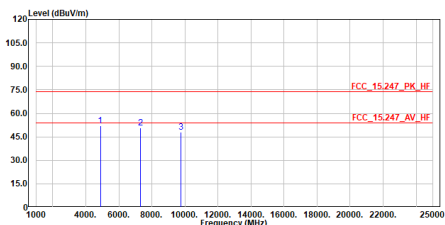


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 4884.000  | 51.26  | 74.00  | -22.74 | 67.78 | -16.52 | Peak   |
| 2   | 7206.000  | 46.94  | 74.00  | -27.06 | 57.98 | -11.04 | Peak   |
| 3   | 9608.000  | 46.94  | 74.00  | -27.06 | 53.87 | -6.93  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2441MHz\_H

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT1M\_2441MHz  
Test by :Brook Cheng

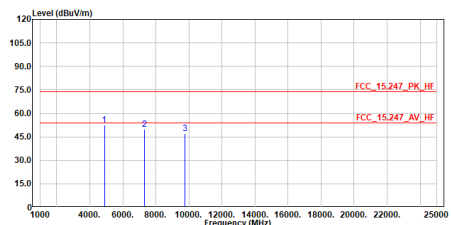


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 4882.000  | 51.97  | 74.00  | -22.03 | 68.21 | -16.24 | Peak   |
| 2   | 7323.000  | 50.86  | 74.00  | -23.14 | 61.68 | -10.82 | Peak   |
| 3   | 9764.000  | 47.94  | 74.00  | -26.06 | 54.64 | -6.70  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2441MHz\_V

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT1M\_2441MHz  
Test by :Brook Cheng

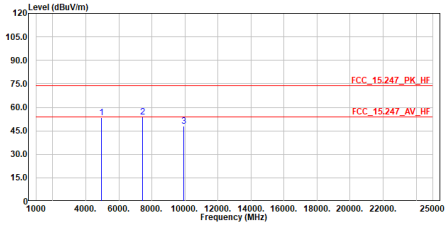


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 4882.000  | 52.63  | 74.00  | -21.37 | 68.87 | -16.24 | Peak   |
| 2   | 7323.000  | 49.91  | 74.00  | -24.09 | 60.73 | -10.82 | Peak   |
| 3   | 9764.000  | 47.07  | 74.00  | -26.93 | 53.77 | -6.70  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2480MHz\_H

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT1M\_2480MHz  
Test by :Brook Cheng



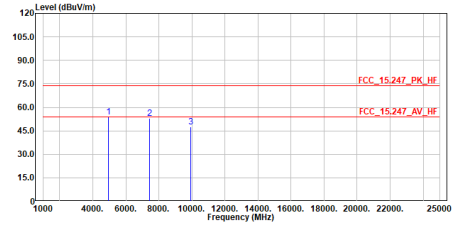
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 4960.000  | 53.50  | 74.00  | -20.50 | 69.48 | -15.98 | Peak   |
| 2   | 7440.000  | 53.77  | 74.00  | -20.23 | 64.35 | -10.58 | Peak   |
| 3   | 9920.000  | 48.00  | 74.00  | -26.00 | 54.47 | -6.47  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2480MHz\_V

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT1M\_2480MHz  
Test by :Brook Cheng



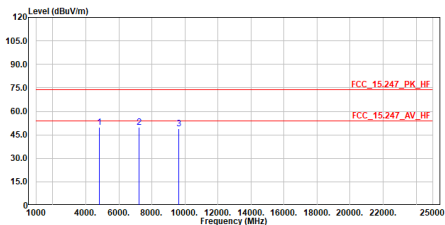
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 4960.000  | 53.71  | 74.00  | -20.29 | 69.69 | -15.98 | Peak   |
| 2   | 7440.000  | 52.95  | 74.00  | -21.05 | 63.53 | -10.58 | Peak   |
| 3   | 9920.000  | 47.60  | 74.00  | -26.40 | 54.07 | -6.47  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2402MHz\_H

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT3M\_2402MHz  
Test by :Brook Cheng



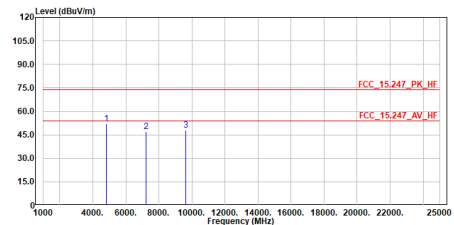
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 4804.000  | 49.72  | 74.00  | -24.28 | 66.24 | -16.52 | Peak   |
| 2   | 7206.000  | 49.60  | 74.00  | -24.40 | 60.64 | -11.04 | Peak   |
| 3   | 9608.000  | 48.84  | 74.00  | -25.16 | 55.77 | -6.93  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2402MHz\_V

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT3M\_2402MHz  
Test by :Brook Cheng



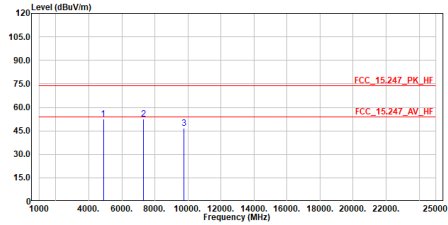
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 4804.000  | 51.98  | 74.00  | -22.02 | 68.50 | -16.52 | Peak   |
| 2   | 7206.000  | 47.19  | 74.00  | -26.81 | 58.23 | -11.04 | Peak   |
| 3   | 9608.000  | 48.16  | 74.00  | -25.84 | 55.09 | -6.93  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2441MHz\_H

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT3M\_2441MHz  
Test by :Brook Cheng



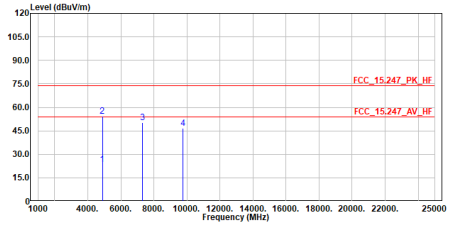
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 4882.000  | 52.44  | 74.00  | -21.56 | 68.68 | -16.24 | Peak   |
| 2   | 7323.000  | 52.38  | 74.00  | -21.62 | 63.20 | -10.82 | Peak   |
| 3   | 9764.000  | 46.58  | 74.00  | -27.42 | 53.28 | -6.70  | Peak   |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2441MHz\_V

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT3M\_2441MHz  
Test by :Brook Cheng



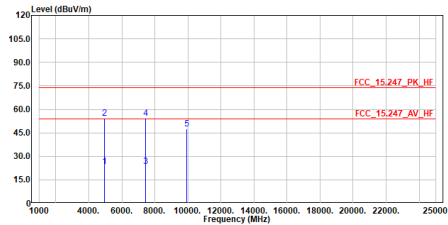
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 4882.000  | 23.58  | 54.00  | -30.42 | 39.82 | -16.24 | Average |
| 2   | 4882.000  | 54.43  | 74.00  | -19.57 | 70.67 | -16.24 | Peak    |
| 3   | 7323.000  | 50.17  | 74.00  | -23.83 | 60.99 | -10.82 | Peak    |
| 4   | 9764.000  | 46.76  | 74.00  | -27.24 | 53.46 | -6.70  | Peak    |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2480MHz\_H

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT3M\_2480MHz  
Test by :Brook Cheng



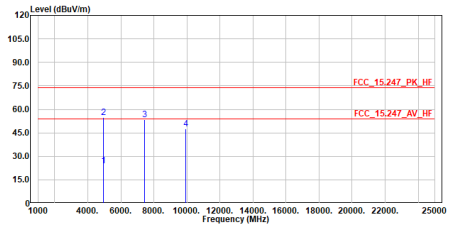
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 4960.000  | 23.67  | 54.00  | -30.33 | 39.65 | -15.98 | Average |
| 2   | 4960.000  | 54.51  | 74.00  | -19.49 | 70.49 | -15.98 | Peak    |
| 3   | 7440.000  | 23.65  | 54.00  | -30.35 | 34.23 | -10.58 | Average |
| 4   | 7440.000  | 54.49  | 74.00  | -19.51 | 65.07 | -10.58 | Peak    |
| 5   | 9920.000  | 47.64  | 74.00  | -26.36 | 54.11 | -6.47  | Peak    |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2480MHz\_V

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT3M\_2480MHz  
Test by :Brook Cheng



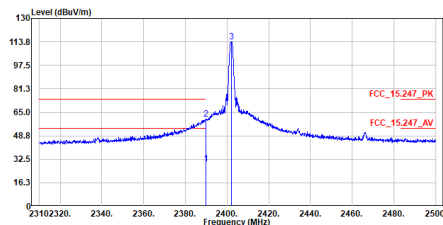
| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 4960.000  | 24.00  | 54.00  | -30.00 | 39.98 | -15.98 | Average |
| 2   | 4960.000  | 54.84  | 74.00  | -19.16 | 70.82 | -15.98 | Peak    |
| 3   | 7440.000  | 53.35  | 74.00  | -20.65 | 63.93 | -10.58 | Peak    |
| 4   | 9920.000  | 47.54  | 74.00  | -26.46 | 54.01 | -6.47  | Peak    |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2402MHz\_H\_PK

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT1M\_2402MHz  
Test by :Brook Cheng



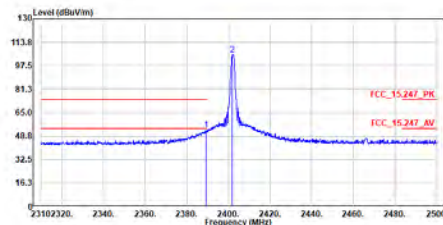
| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark  |
|-----|-----------|--------|--------|--------|--------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |         |
| 1   | 2389.990  | 29.48  | 74.00  | -44.52 | 33.86  | -4.38  | Average |
| 2   | 2389.990  | 60.32  | 74.00  | -13.68 | 64.70  | -4.38  | Peak    |
| 3   | 2402.245  | 113.83 | -----  | -----  | 118.20 | -4.37  | Peak    |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2402MHz\_V\_PK

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT1M\_2402MHz  
Test by :Brook Cheng



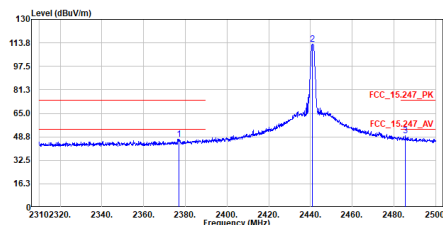
| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark |
|-----|-----------|--------|--------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |        |
| 1   | 2389.135  | 52.91  | 74.00  | -21.09 | 57.29  | -4.38  | Peak   |
| 2   | 2401.865  | 105.13 | -----  | -----  | 109.50 | -4.37  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2441MHz\_H\_PK

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT1M\_2441MHz  
Test by :Brook Cheng



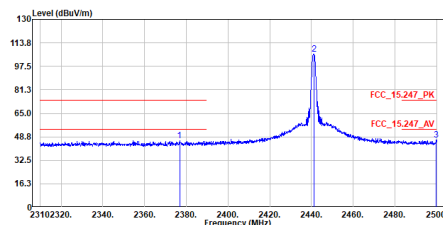
| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark |
|-----|-----------|--------|--------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |        |
| 1   | 2376.975  | 46.94  | 74.00  | -27.06 | 51.34  | -4.40  | Peak   |
| 2   | 2440.910  | 113.06 | -----  | -----  | 117.37 | -4.31  | Peak   |
| 3   | 2485.560  | 49.38  | 74.00  | -24.62 | 53.61  | -4.23  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2441MHz\_V\_PK

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT1M\_2441MHz  
Test by :Brook Cheng



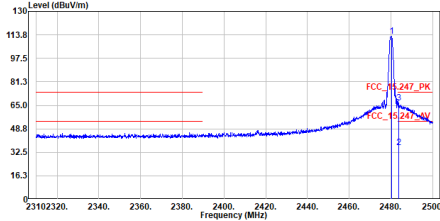
| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark |
|-----|-----------|--------|--------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |        |
| 1   | 2376.785  | 46.05  | 74.00  | -27.95 | 50.45  | -4.40  | Peak   |
| 2   | 2441.195  | 105.80 | -----  | -----  | 110.11 | -4.31  | Peak   |
| 3   | 2499.810  | 46.43  | 74.00  | -27.57 | 50.64  | -4.21  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2480MHz\_H\_PK

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT1M\_2480MHz  
Test by :Brook Cheng



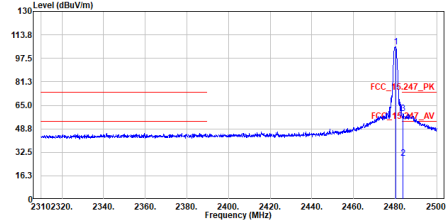
| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark  |
|-----|-----------|--------|--------|--------|--------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |         |
| 1   | 2480.240  | 112.62 | 81.3   | -      | 116.86 | -4.24  | Peak    |
| 2   | 2483.850  | 35.85  | 74.00  | -38.15 | 40.09  | -4.24  | Average |
| 3   | 2483.850  | 66.69  | 74.00  | -7.31  | 70.93  | -4.24  | Peak    |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT1M\_2480MHz\_V\_PK

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT1M\_2480MHz  
Test by :Brook Cheng



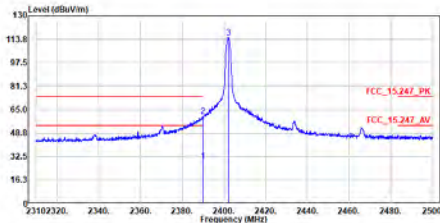
| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark  |
|-----|-----------|--------|--------|--------|--------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |         |
| 1   | 2480.240  | 105.25 | 81.3   | -      | 109.49 | -4.24  | Peak    |
| 2   | 2483.850  | 28.35  | 74.00  | -45.65 | 32.59  | -4.24  | Average |
| 3   | 2483.850  | 59.19  | 74.00  | -14.81 | 63.43  | -4.24  | Peak    |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2402MHz\_H\_PK

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT3M\_2402MHz  
Test by :Brook Cheng



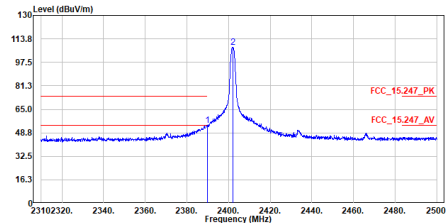
| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark  |
|-----|-----------|--------|--------|--------|--------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |         |
| 1   | 2389.990  | 29.32  | 74.00  | -44.68 | 33.70  | -4.38  | Average |
| 2   | 2389.990  | 60.16  | 74.00  | -13.84 | 64.54  | -4.38  | Peak    |
| 3   | 2402.150  | 115.00 | 81.3   | -      | 119.37 | -4.37  | Peak    |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2402MHz\_V\_PK

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT3M\_2402MHz  
Test by :Brook Cheng



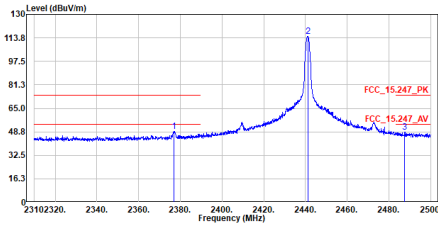
| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark |
|-----|-----------|--------|--------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |        |
| 1   | 2389.895  | 53.92  | 74.00  | -20.08 | 58.30  | -4.38  | Peak   |
| 2   | 2402.055  | 108.04 | 81.3   | -      | 112.41 | -4.37  | Peak   |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2441MHz\_H\_PK

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT3M\_2441MHz  
Test by :Brook Cheng

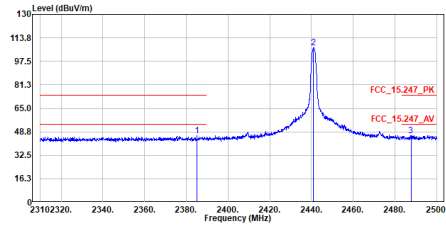


| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark |
|-----|-----------|--------|--------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |        |
| 1   | 2377.070  | 49.13  | 74.00  | -24.87 | 53.53  | -4.40  | Peak   |
| 2   | 2441.100  | 114.76 | -----  | -----  | 119.07 | -4.31  | Peak   |
| 3   | 2487.555  | 48.64  | 74.00  | -25.36 | 52.86  | -4.22  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2441MHz\_V\_PK

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT3M\_2441MHz  
Test by :Brook Cheng

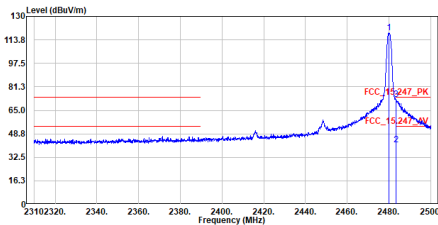


| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark |
|-----|-----------|--------|--------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |        |
| 1   | 2385.145  | 46.01  | 74.00  | -27.99 | 50.40  | -4.39  | Peak   |
| 2   | 2441.005  | 107.17 | -----  | -----  | 111.48 | -4.31  | Peak   |
| 3   | 2487.650  | 46.25  | 74.00  | -27.75 | 50.47  | -4.22  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2480MHz\_H\_PK

Site :HC-CB02  
Condition :3m ,Horizontal  
Mode :TX\_BT3M\_2480MHz  
Test by :Brook Cheng

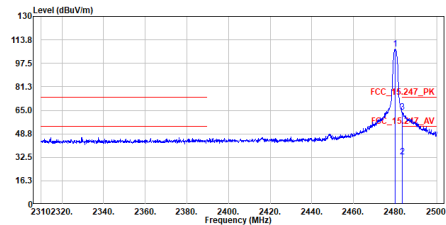


| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark  |
|-----|-----------|--------|--------|--------|--------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |         |
| 1   | 2480.145  | 118.68 | -----  | -----  | 122.92 | -4.24  | Peak    |
| 2   | 2483.500  | 41.32  | 74.00  | -32.68 | 45.56  | -4.24  | Average |
| 3   | 2483.500  | 72.38  | 74.00  | -1.62  | 76.62  | -4.24  | Peak    |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## TX\_BT3M\_2480MHz\_V\_PK

Site :HC-CB02  
Condition :3m ,Vertical  
Mode :TX\_BT3M\_2480MHz  
Test by :Brook Cheng



| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark  |
|-----|-----------|--------|--------|--------|--------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level  | dB     |         |
| 1   | 2480.050  | 107.31 | -----  | -----  | 111.55 | -4.24  | Peak    |
| 2   | 2483.500  | 32.90  | 74.00  | -41.10 | 37.14  | -4.24  | Average |
| 3   | 2483.500  | 63.74  | 74.00  | -10.26 | 67.98  | -4.24  | Peak    |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.