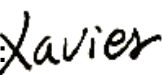


# Test Report

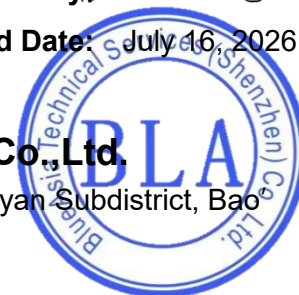
**Applicant** : Shenzhen Pamian Technology Co., Ltd  
Room 2013, Block A, Building 2,  
**Address** : zhongliangXiangyun, Ailian Community,  
Longcheng Sub-district, Longgang District,  
Shenzhen City, Guangdong Province, P.R. China  
**Product Name** : BLUETOOTH HEADPHONE  
**Brand Mark** : N/A  
**Model** : JE001  
JE002, JE003, JE004, JE005, JE006, JE007,  
JE008, JE009, JE0010, JE0011, JE0012,  
**Series model** : JE0013, JE0014, JE0015, JE0016, JE0017,  
JE0018, JE0019, JE0020, OE-C001, OE-C100S,  
OE-C200N, OE-C050SE, OE-032S, OR-201,  
OR-218S, OR-233N  
**FCC ID** : 2BMEI-JE001  
**Report Number** : BLA-EMC-202607-A18-02  
**Date of Receipt** : July 6, 2026  
**Date of Test** : July 6, 2026 to July 16, 2026  
**Test Standard** : 47 CFR Part 15, Subpart C 15.247  
**Test Result** : Pass

Compiled by: Review by: Approved by: 

Issued Date: July 16, 2026

**BlueAsia Technical Services(Shenzhen) Co., Ltd.**

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Baoan District, Shenzhen, Guangdong, China



The test report is effective only with both signature and specialized stamp and The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full. The results described in this report do not represent the quality or characteristics of the sampled batch, nor do they represent any similar or identical products that are not explicitly stated.

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|                                                    |                                    |           |
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## Revise Record

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 01          | July 16, 2026 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |

# 1 General information

## 1.1 General information

|              |                                                                                                                                                                |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant    | Shenzhen Pamian Technology Co., Ltd                                                                                                                            |
| Address      | Room 2013, Block A, Building 2, zhongliangXiangyun, Ailian Community, Longcheng Sub-district, Longgang District, Shenzhen City, Guangdong Province, P.R. China |
| Manufacturer | Aikexun Intelligent Acoustic Technology Co., Ltd                                                                                                               |
| Address      | No. 15 of Technology Park 1st Road, Shiwan Town, Boluo County, Huizhou City                                                                                    |
| Factory      | N/A                                                                                                                                                            |
| Address      | N/A                                                                                                                                                            |

## 1.2 General description of EUT

|                                     |                                                                                                                                                                                                                           |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name                        | BLUETOOTH HEADPHONE                                                                                                                                                                                                       |
| Model no.                           | JE001                                                                                                                                                                                                                     |
| Series model                        | JE002, JE003, JE004, JE005, JE006, JE007, JE008, JE009, JE0010, JE0011, JE0012, JE0013, JE0014, JE0015, JE0016, JE0017, JE0018, JE0019, JE0020, OE-C001, OE-C100S, OE-C200N, OE-C050SE, OE-032S, OR-201, OR-218S, OR-233N |
| Desc of series model                | Their electrical circuit design, layout, components used and internal wiring are identical, Only the Item number is different.                                                                                            |
| Operation Frequency:                | 2402MHz-2480MHz                                                                                                                                                                                                           |
| Modulation Type:                    | GFSK, pi/4DQPSK, 8DPSK                                                                                                                                                                                                    |
| Channel Spacing:                    | 1MHz                                                                                                                                                                                                                      |
| Number of Channels:                 | 79                                                                                                                                                                                                                        |
| Antenna Type:                       | Chip antenna                                                                                                                                                                                                              |
| Antenna Gain:                       | 1.8dBi(Provided by customer)                                                                                                                                                                                              |
| Power supply or adapter information | Base: DC3.7V by battery<br>Headphone: DC3.7V by battery                                                                                                                                                                   |
| Hardware version                    | N/A                                                                                                                                                                                                                       |
| Software version                    | N/A                                                                                                                                                                                                                       |
| Engineer sample no.                 | BLA-EMC-202607-A18 - left                                                                                                                                                                                                 |

*Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.*

## 2 Test summary

| No. | Test item                                             | FCC standard             | Test Method(Clause)                                                                      | Result |
|-----|-------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------|--------|
| 1   | Antenna Requirement                                   | §15.203                  | N/A                                                                                      | Pass   |
| 2   | Conducted Emissions at AC Power Line (150kHz-30MHz)   | §15.207                  | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 6.2           | Pass   |
| 3   | Conducted Peak Output Power                           | § 15.247 (b)(1)          | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 7.8.5         | Pass   |
| 4   | 20dB Bandwidth                                        | § 15.247 (a)(1)          | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 6.9.2         | Pass   |
| 5   | Conducted Band Edges Measurement                      | § 15.247 (d)             | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 6.10          | Pass   |
| 6   | Conducted Spurious Emissions                          | § 15.247 (d)             | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 7.8.7         | Pass   |
| 7   | Carrier Frequencies Separation                        | § 15.247 (a)(1)          | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 7.8.2         | Pass   |
| 8   | Hopping Channel Number                                | § 15.247 (a)(1) (iii)    | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 7.8.3         | Pass   |
| 9   | Dwell Time                                            | § 15.247 (a)(1) (iii)    | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 7.8.4         | Pass   |
| 10  | Radiated Spurious Emissions                           | § 15.247 (d)<br>§ 15209  | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 6.4,6.5,6.6   | Pass   |
| 11  | Radiated Emissions which fall in the restricted bands | § 15.247 (d)<br>§ 15.205 | ANSI C63.10-2020+Cor.<br>1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 6.10.5, 7.8.8 | Pass   |

### 3 Test Configuration

#### 3.1 Test mode

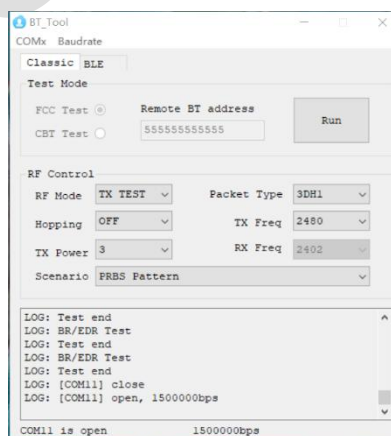
| Test Mode <sup>Note 1</sup> | Description                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------|
| TX                          | Keep the EUT in continuously transmitting mode with modulation. (hopping and non-hopping mode all have been tested) |
| RX                          | Keep the EUT in receiving mode                                                                                      |
| TX Low channel              | Keep the EUT in continuously transmitting mode in low channel                                                       |
| TX middle channel           | Keep the EUT in continuously transmitting mode in middle channel                                                    |
| TX high channel             | Keep the EUT in continuously transmitting mode in high channel                                                      |
| TX with charging            | Keep the EUT in continuously transmitting with charging mode                                                        |

*Note 1: The EUT was configured to measure its highest possible emission and/or immunity level. The test modes were adapted according to the operation manual for use; the EUT was operated in the engineering mode <sup>Note 2</sup> to fix the TX or Rx frequency that was for the purpose of the measurements.*

*Note 2: Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.*

| Power level setup in software |         |                 |             |
|-------------------------------|---------|-----------------|-------------|
| Test Software Name            | BT_Tool |                 |             |
| Mode                          | Channel | Frequency (MHz) | Soft Set    |
| GFSK, pi/4DQPSK, 8DPSK        | CH00    | 2402            | TX level: 3 |
|                               | CH39    | 2441            |             |
|                               | CH78    | 2480            |             |

Run Software



### 3.2 Operation Frequency each of channel

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 0       | 2402MHz   | 20      | 2422MHz   | 40      | 2442MHz   | 60      | 2462MHz   |
| 1       | 2403MHz   | 21      | 2423MHz   | 41      | 2443MHz   | 61      | 2463MHz   |
| 2       | 2404MHz   | 22      | 2424MHz   | 42      | 2444MHz   | 62      | 2464MHz   |
| 3       | 2405MHz   | 23      | 2425MHz   | 43      | 2445MHz   | 63      | 2465MHz   |
| 4       | 2406MHz   | 24      | 2426MHz   | 44      | 2446MHz   | 64      | 2466MHz   |
| 5       | 2407MHz   | 25      | 2427MHz   | 45      | 2447MHz   | 65      | 2467MHz   |
| 6       | 2408MHz   | 26      | 2428MHz   | 46      | 2448MHz   | 66      | 2468MHz   |
| 7       | 2409MHz   | 27      | 2429MHz   | 47      | 2449MHz   | 67      | 2469MHz   |
| 8       | 2410MHz   | 28      | 2430MHz   | 48      | 2450MHz   | 68      | 2470MHz   |
| 9       | 2411MHz   | 29      | 2431MHz   | 49      | 2451MHz   | 69      | 2471MHz   |
| 10      | 2412MHz   | 30      | 2432MHz   | 50      | 2452MHz   | 70      | 2472MHz   |
| 11      | 2413MHz   | 31      | 2433MHz   | 51      | 2453MHz   | 71      | 2473MHz   |
| 12      | 2414MHz   | 32      | 2434MHz   | 52      | 2454MHz   | 72      | 2474MHz   |
| 13      | 2415MHz   | 33      | 2435MHz   | 53      | 2455MHz   | 73      | 2475MHz   |
| 14      | 2416MHz   | 34      | 2436MHz   | 54      | 2456MHz   | 74      | 2476MHz   |
| 15      | 2417MHz   | 35      | 2437MHz   | 55      | 2457MHz   | 75      | 2477MHz   |
| 16      | 2418MHz   | 36      | 2438MHz   | 56      | 2458MHz   | 76      | 2478MHz   |
| 17      | 2419MHz   | 37      | 2439MHz   | 57      | 2459MHz   | 77      | 2479MHz   |
| 18      | 2420MHz   | 38      | 2440MHz   | 58      | 2460MHz   | 78      | 2480MHz   |
| 19      | 2421MHz   | 39      | 2441MHz   | 59      | 2461MHz   | --      |           |

### 3.3 Test channel

| Channel             | Frequency |
|---------------------|-----------|
| The lowest channel  | 2402MHz   |
| The middle channel  | 2441MHz   |
| The Highest channel | 2480MHz   |

### 3.4 Auxiliary equipment

| Device Type | Manufacturer | Model Name | Serial No. | Remark                             |
|-------------|--------------|------------|------------|------------------------------------|
| PC          | Lenovo       | E460C      | N/A        | From lab<br>(No.BLA-ZC-BS-2022005) |
| --          | --           | --         | --         | --                                 |

**Note:**

--" mean no any auxiliary device during testing.

### 3.5 Test environment

| Environment | Temperature | Voltage |
|-------------|-------------|---------|
| Normal      | 25°C        | DC3.7V  |

## 4 Laboratory information

### 4.1 Laboratory and accreditations

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

|                          |                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------|
| Company name:            | BlueAsia Technical Services(Shenzhen) Co., Ltd.                                                                  |
| Address:                 | No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China |
| A2LA Cert. No.:          | 5071.01                                                                                                          |
| FCC Registration Number: | 923526                                                                                                           |
| FCC Designation No.:     | CN1252                                                                                                           |
| ISED CAB identifier No.: | CN0028                                                                                                           |
| IC Registration Number:  | 24243                                                                                                            |
| CNAS accredited No.:     | L9788                                                                                                            |
| Telephone:               | +86-755-28682673                                                                                                 |
| FAX:                     | +86-755-28682673                                                                                                 |

## 4.2 Measurement uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=1.96$ .

| Parameter                                      | Expanded Uncertainty            |
|------------------------------------------------|---------------------------------|
| Radiated Emission(9kHz-30MHz)                  | $\pm 4.34\text{dB}$             |
| Radiated Emission(30Mz-1000MHz)                | $\pm 4.24\text{dB}$             |
| Radiated Emission(1GHz-18GHz)                  | $\pm 4.68\text{dB}$             |
| Radiated Emission(18GHz-25GHz)                 | $\pm 4.68\text{dB}$             |
| AC Power Line Conducted Emission(150kHz-30MHz) | $\pm 3.45\text{dB}$             |
| Occupied Channel Bandwidth                     | $\pm 5\%$                       |
| RF output power, conducted                     | $\pm 1.5\text{ dB}$             |
| Power Spectral Density, conducted              | $\pm 3.0\text{ dB}$             |
| Carrier Frequencies Separation                 | $\pm 3.0\text{ dB}$             |
| Hopping Channel Number                         | $\pm 3.0\text{ dB}$             |
| Dwell Time                                     | $\pm 3.0\text{ dB}$             |
| Unwanted Emissions, conducted                  | $\pm 3.0\text{ dB}$             |
| Temperature                                    | $\pm 3\text{ }^{\circ}\text{C}$ |
| Supply voltages                                | $\pm 3\%$                       |
| Time                                           | $\pm 5\%$                       |

## 5 Test equipment

### Radiated Spurious Emissions (Below 1GHz)

| Equipment      | Name              | Model            | Manufacture | S/N    | Cal. Date  | Due. Date  |
|----------------|-------------------|------------------|-------------|--------|------------|------------|
| BLA-EMC-002-01 | Anechoic chamber  | 9*6*6 chamber    | SKET        | N/A    | 2024/3/27  | 2027/3/26  |
| BLA-EMC-002-02 | Control room      | 966 control room | SKET        | N/A    | 2024/3/27  | 2027/3/26  |
| BLA-EMC-009    | EMI receiver      | ESR7             | R&S         | 101199 | 2025/08/05 | 2026/08/04 |
| BLA-EMC-043    | Loop antenna      | FMZB1519B        | Schwarzbeck | 00102  | 2026/05/31 | 2027/05/30 |
| BLA-EMC-065    | Broadband antenna | VULB9168         | Schwarzbeck | 01065P | 2026/05/31 | 2027/05/30 |
| BLA-XC-01      | Coaxial Cable     | N/A              | BlueAsia    | V01    | N/A        | N/A        |
| BLA-XC-02      | Coaxial Cable     | N/A              | BlueAsia    | V02    | N/A        | N/A        |

### Radiated Spurious Emissions (Above 1GHz)

| Equipment      | Name             | Model               | Manufacture | S/N          | Cal. Date  | Due. Date  |
|----------------|------------------|---------------------|-------------|--------------|------------|------------|
| BLA-EMC-001-01 | Anechoic chamber | 9*6*6 chamber       | SKET        | N/A          | 2023/11/16 | 2026/11/15 |
| BLA-EMC-001-02 | Control Room     | 966 control room    | SKET        | N/A          | 2026/01/10 | 2028/01/09 |
| BLA-EMC-008    | Spectrum         | FSP40               | R&S         | 100817       | 2025/08/05 | 2026/08/04 |
| BLA-EMC-013    | Horn Antenna     | BBHA9120D           | Schwarzbeck | 01892        | 2026/05/31 | 2027/05/30 |
| BLA-EMC-014    | Amplifier        | PA_000318G-45       | SKET        | PA2018043003 | 2025/08/05 | 2026/08/04 |
| BLA-EMC-046    | Filter bank      | 2.4G/5G Filter bank | SKET        | N/A          | 2026/05/25 | 2027/05/24 |
| BLA-EMC-061    | Receiver         | ESPI7               | R&S         | 101477       | 2026/05/25 | 2027/05/24 |
| BLA-EMC-066    | Amplifier        | LNPA_30M01G-30      | SKET        | SK2021060801 | 2026/05/25 | 2027/05/24 |
| BLA-EMC-086    | Amplifier        | LNPA_18G40G-50dB    | SKET        | SK2022071301 | 2026/05/25 | 2027/05/24 |
| BLA-EMC-087    | Horn Antenna     | BBHA 9170           | Schwarzbeck | 1106         | 2026/05/31 | 2027/05/30 |
| BLA-XC-03      | Coaxial Cable    | N/A                 | BlueAsia    | V03          | N/A        | N/A        |
| BLA-XC-04      | Coaxial Cable    | N/A                 | BlueAsia    | V04          | N/A        | N/A        |

### Conducted Emissions

| Equipment       | Name                                            | Model       | Manufacture | S/N          | Cal. Date  | Due. Date  |
|-----------------|-------------------------------------------------|-------------|-------------|--------------|------------|------------|
| BLA-EMC-003-001 | Shield room                                     | 8*3*3       | SKET        | N/A          | 2026/01/10 | 2028/01/09 |
| BLA-EMC-009     | EMI receiver                                    | ESR7        | R&S         | 101199       | 2025/08/05 | 2026/08/04 |
| BLA-EMC-011     | LISN                                            | ENV216      | R&S         | 101372       | 2025/08/05 | 2026/08/04 |
| BLA-EMC-033     | Impedance transformer                           | DC-2GHz     | DFXP        | N/A          | 2026/05/25 | 2027/05/24 |
| BLA-EMC-041     | LISN                                            | AT166-2     | ATTEN       | AKK180600003 | 2025/08/05 | 2026/08/04 |
| BLA-EMC-045     | Impedance stable network                        | ISNT8-cat 6 | TESEQ       | 53580        | 2025/08/05 | 2026/08/04 |
| BLA-EMC-095     | Single-channel vehicle artificial power network | NNBM 8124   | Schwarzbeck | 01045        | 2026/05/25 | 2027/05/24 |
| BLA-EMC-096     | Single-channel vehicle artificial power network | NNBM 8124   | Schwarzbeck | 01075        | 2026/05/25 | 2027/05/24 |
| BLA-XC-05       | Coaxial Cable                                   | N/A         | BlueAsia    | V05          | N/A        | N/A        |

### RF conducted

| Equipment       | Name                       | Model    | Manufacture     | S/N            | Cal. Date  | Due. Date  |
|-----------------|----------------------------|----------|-----------------|----------------|------------|------------|
| BLA-EMC-003-003 | Shield room                | 5*3*3    | SKET            | N/A            | 2026/01/10 | 2028/01/09 |
| BLA-EMC-016     | Signal Generator           | N5182A   | Agilent         | MY52420567     | 2026/05/25 | 2027/05/24 |
| BLA-EMC-038     | Spectrum                   | N9020A   | Agilent         | MY49100060     | 2025/08/05 | 2026/08/04 |
| BLA-EMC-042     | Power sensor               | RPR3006W | DARE            | 14I00889SN042  | 2025/08/05 | 2026/08/04 |
| BLA-EMC-044     | Radio communication tester | CMW500   | R&S             | 132429         | 2025/08/05 | 2026/08/04 |
| BLA-EMC-064     | Signal Generator           | N5182B   | KEYSIGHT        | MY58108892     | 2026/05/25 | 2027/05/24 |
| BLA-EMC-079     | Spectrum                   | N9020A   | Agilent         | MY54420161     | 2025/08/05 | 2026/08/04 |
| BLA-EMC-088     | Audio Analyzer             | ATS-1    | Audio Precision | ATS141094      | 2026/05/25 | 2027/05/24 |
| BLA-EMC-100     | Digital Radio Tester       | RWC2010  | Redwoodcomm     | RWC20102490304 | 2026/05/25 | 2027/05/24 |

### Test software

| Software No. | Software Name | Manufacture | Software version | Test site      |
|--------------|---------------|-------------|------------------|----------------|
| BLA-EMC-S001 | EZ-EMC        | EZ          | EEMC-3A1+        | RE(Below 1GHz) |
| BLA-EMC-S002 | EZ-EMC        | EZ          | EEMC-3A1+        | RE(Above 1GHz) |
| BLA-EMC-S003 | EZ-EMC        | EZ          | EEMC-3A1+        | CE             |
| BLA-EMC-S010 | MTS 8310      | MW          | 2.0.0.0          | RF             |

## 6 Test result

### 6.1 Antenna requirement

|               |                                  |
|---------------|----------------------------------|
| Test Standard | 47 CFR Part 15, Subpart C 15.203 |
| Test Method   | N/A                              |

#### 6.1.1 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of a so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT antenna:

The antenna is chip antenna and no consideration of replacement. The best case gain of the antenna is 1.8 dBi.

## 6.2 Conducted emissions at AC power line (150 kHz-30 MHz)

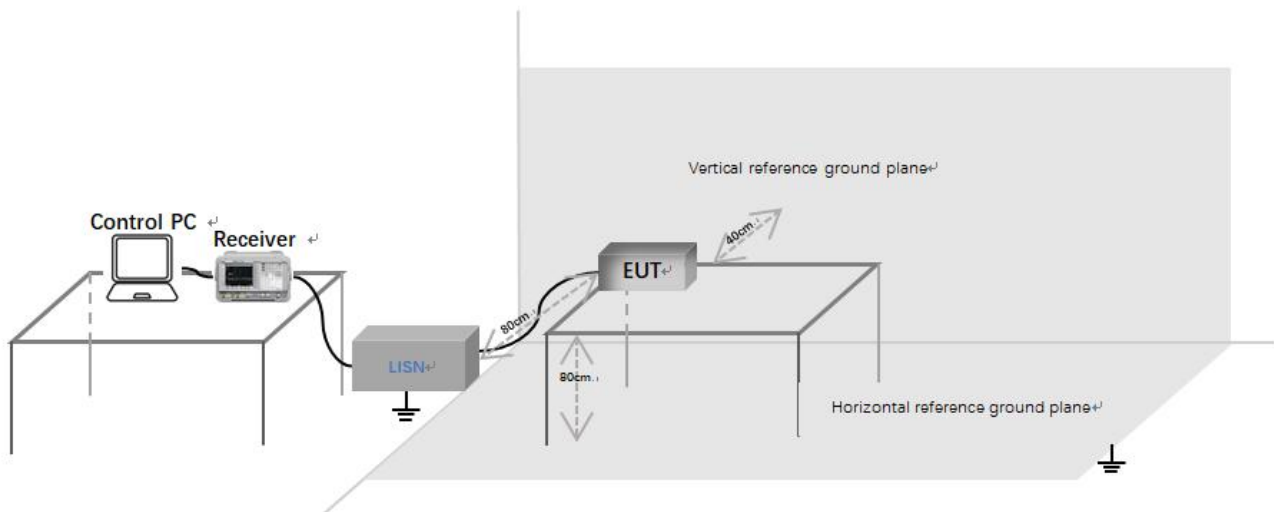
|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| Test Standard          | 47 CFR Part 15, Subpart C 15.207                                             |
| Test Method            | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.2 |
| Test Mode (Pre-Scan)   | TX with charging                                                             |
| Test Mode (Final Test) | TX with charging                                                             |

### 6.2.1 Limit

| Frequency of emission(MHz) | Conducted limit(dBμV) |           |
|----------------------------|-----------------------|-----------|
|                            | Quasi-peak            | Average   |
| 0.15-0.5                   | 66 to 56*             | 56 to 46* |
| 0.5-5                      | 56                    | 46        |
| 5-30                       | 60                    | 50        |

\*Decreases with the logarithm of the frequency.

### 6.2.2 Test setup



Description of test setup connection:

- Connect the control PC to the receiver through a USB to GPIB cable;
- The receiver is connected to the LISN through a coaxial line;
- Connect the power port of LISN to the EUT.

### 6.2.3 Procedure

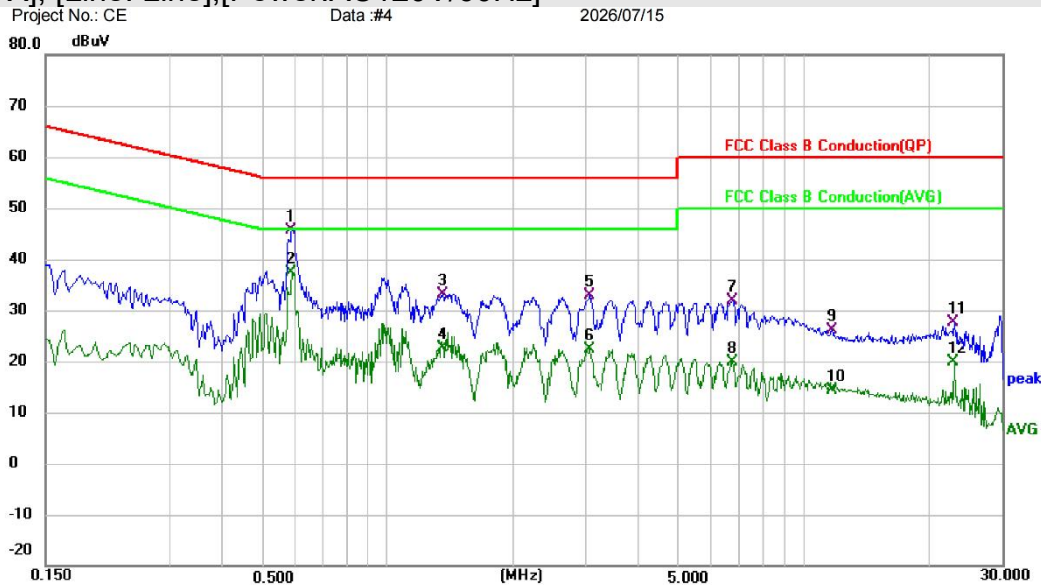
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

LISN=Read Level+ Cable Loss+ LISN Factor

## 6.2.4 Test data

Remark: During the test, pre-scan the GFSK, pi/4DQPSK, 8DPSK mode, and found the GFSK low channel mode which it is worse case.

[Test mode: TX]; [Line: Line];[Power:AC120V/60Hz]



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Antenna<br>Height<br>cm | Table<br>Degree<br>degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|-------------------------|---------------------------|---------|
| 1   |     | 0.5899       | 36.00                    | 9.73                    | 45.73                    | 56.00         | -10.27     | QP                      |                           |         |
| 2   | *   | 0.5899       | 27.62                    | 9.73                    | 37.35                    | 46.00         | -8.65      | AVG                     |                           |         |
| 3   |     | 1.3580       | 23.35                    | 9.81                    | 33.16                    | 56.00         | -22.84     | QP                      |                           |         |
| 4   |     | 1.3580       | 12.86                    | 9.81                    | 22.67                    | 46.00         | -23.33     | AVG                     |                           |         |
| 5   |     | 3.0700       | 22.85                    | 9.92                    | 32.77                    | 56.00         | -23.23     | QP                      |                           |         |
| 6   |     | 3.0700       | 12.42                    | 9.92                    | 22.34                    | 46.00         | -23.66     | AVG                     |                           |         |
| 7   |     | 6.7660       | 21.59                    | 10.29                   | 31.88                    | 60.00         | -28.12     | QP                      |                           |         |
| 8   |     | 6.7660       | 9.59                     | 10.29                   | 19.88                    | 50.00         | -30.12     | AVG                     |                           |         |
| 9   |     | 11.7380      | 26.82                    | -0.68                   | 26.14                    | 60.00         | -33.86     | QP                      |                           |         |
| 10  |     | 11.7380      | 14.98                    | -0.68                   | 14.30                    | 50.00         | -35.70     | AVG                     |                           |         |
| 11  |     | 23.1299      | 14.35                    | 13.37                   | 27.72                    | 60.00         | -32.28     | QP                      |                           |         |
| 12  |     | 23.1299      | 6.45                     | 13.37                   | 19.82                    | 50.00         | -30.18     | AVG                     |                           |         |

**Test Result: Pass**

[Test mode: TX]; [Line: Neutral];[Power:AC120V/60Hz]

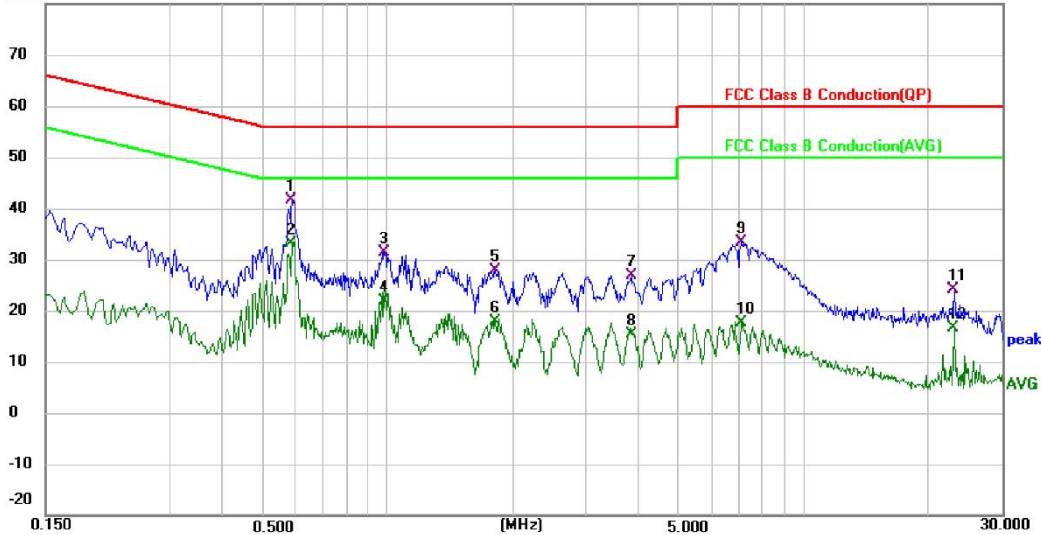
**Conducted Emission Measurement**

Project No.: CE

Data :#3

2026/07/15

80.0 dBuV



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Antenna<br>Height<br>cm | Table<br>Degree<br>degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|-------------------------|---------------------------|---------|
| 1   |     | 0.5899       | 31.90                    | 9.72                    | 41.62                    | 56.00         | -14.38     | QP                      |                           |         |
| 2   | *   | 0.5899       | 23.52                    | 9.72                    | 33.24                    | 46.00         | -12.76     | AVG                     |                           |         |
| 3   |     | 0.9820       | 21.65                    | 9.80                    | 31.45                    | 56.00         | -24.55     | QP                      |                           |         |
| 4   |     | 0.9820       | 12.00                    | 9.80                    | 21.80                    | 46.00         | -24.20     | AVG                     |                           |         |
| 5   |     | 1.8180       | 18.15                    | 9.83                    | 27.98                    | 56.00         | -28.02     | QP                      |                           |         |
| 6   |     | 1.8180       | 8.02                     | 9.83                    | 17.85                    | 46.00         | -28.15     | AVG                     |                           |         |
| 7   |     | 3.8460       | 16.83                    | 9.99                    | 26.82                    | 56.00         | -29.18     | QP                      |                           |         |
| 8   |     | 3.8460       | 5.37                     | 9.99                    | 15.36                    | 46.00         | -30.64     | AVG                     |                           |         |
| 9   |     | 7.0740       | 22.91                    | 10.35                   | 33.26                    | 60.00         | -26.74     | QP                      |                           |         |
| 10  |     | 7.0740       | 7.20                     | 10.35                   | 17.55                    | 50.00         | -32.45     | AVG                     |                           |         |
| 11  |     | 23.1299      | 10.87                    | 13.19                   | 24.06                    | 60.00         | -35.94     | QP                      |                           |         |
| 12  |     | 23.1299      | 3.50                     | 13.19                   | 16.69                    | 50.00         | -33.31     | AVG                     |                           |         |

**Test Result: Pass**

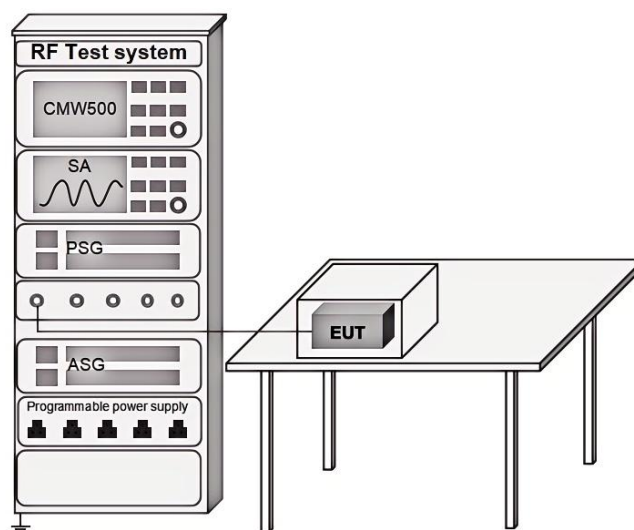
### 6.3 Conducted peak output Power

|                               |                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------|
| <b>Test Standard</b>          | 47 CFR Part 15, Subpart C 15.247(b)(1)                                             |
| <b>Test Method</b>            | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024<br>Section 11.9.1 |
| <b>Test Mode (Pre-Scan)</b>   | TX                                                                                 |
| <b>Test Mode (Final Test)</b> | TX                                                                                 |

#### 6.3.1 Limit

| Frequency range(MHz) | Output power of the intentional radiator(watt)         |
|----------------------|--------------------------------------------------------|
| 902-928              | 1 for $\geq 50$ hopping channels                       |
|                      | 0.25 for $25 \leq$ hopping channels $< 50$             |
|                      | 1 for digital modulation                               |
| 2400-2483.5          | 1 for $\geq 75$ non-overlapping hopping channels       |
|                      | 0.125 for all other frequency hopping systems          |
|                      | 1 for digital modulation                               |
| 5725-5850            | 1 for frequency hopping systems and digital modulation |

#### 6.3.2 Test setup



### 6.3.3 Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:

|                 |                |
|-----------------|----------------|
| Frequency       | Test Frequency |
| Span            | 10 MHz         |
| RBW/VBW         | 3 MHz /8 MHz   |
| Sweep Time      | Auto           |
| Detector mode   | Peak           |
| Indication mode | Max hold       |

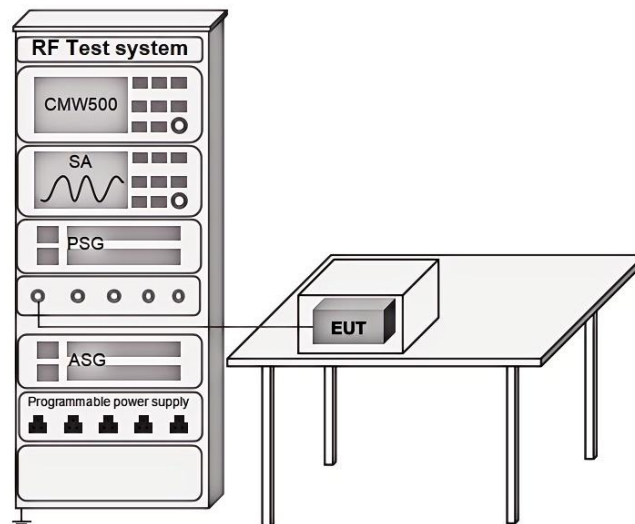
### 6.3.4 Test data

Pass: Please refer to appendix A for details

## 6.4 20dB Bandwidth

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Test Standard          | 47 CFR Part 15, Subpart C 15.247 (a)(1)                                               |
| Test Method            | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.9.2& 7.8.7 |
| Test Mode (Pre-Scan)   | TX                                                                                    |
| Test Mode (Final Test) | TX                                                                                    |

### 6.4.1 Test setup



#### 6.4.2 Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:

|                 |                |
|-----------------|----------------|
| Frequency       | Test Frequency |
| Span            | 2 MHz          |
| RBW/VBW         | 30 kHz /91 kHz |
| Sweep Time      | Auto           |
| Detector mode   | AVG            |
| Indication mode | Max hold       |

#### 6.4.3 Test data

Pass: Please refer to appendix A for details

## 6.5 Conducted Band Edges Measurement

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Test Standard          | 47 CFR Part 15, Subpart C 15.247 (d)                                            |
| Test Method            | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.10.4 |
| Test Mode (Pre-Scan)   | TX                                                                              |
| Test Mode (Final Test) | TX                                                                              |

### 6.5.1 Limit

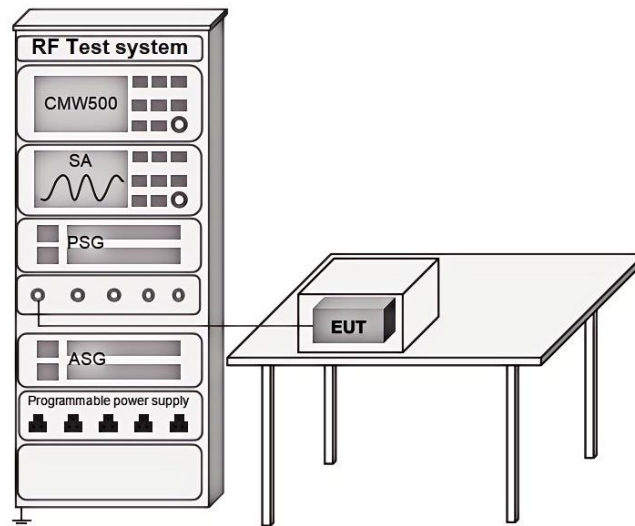
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20dB.

Attenuation below the general limits specified in §15.209(a) is not required.

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

### 6.5.2 Test setup



### 6.5.3 Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:

|                 |                    |
|-----------------|--------------------|
| Frequency       | Spurious Frequency |
| Span            | 0 MHz              |
| RBW/VBW         | 100 kHz /300 kHz   |
| Sweep Time      | Auto               |
| Detector mode   | Positive peak      |
| Indication mode | Max hold           |

### 6.5.4 Test data

Pass: Please refer to appendix A for details

## 6.6 Conducted spurious emissions

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Test Standard          | 47 CFR Part 15, Subpart C 15.247 (d)                                           |
| Test Method            | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 7.8.8 |
| Test Mode (Pre-Scan)   | TX                                                                             |
| Test Mode (Final Test) | TX                                                                             |

### 6.6.1 Limit

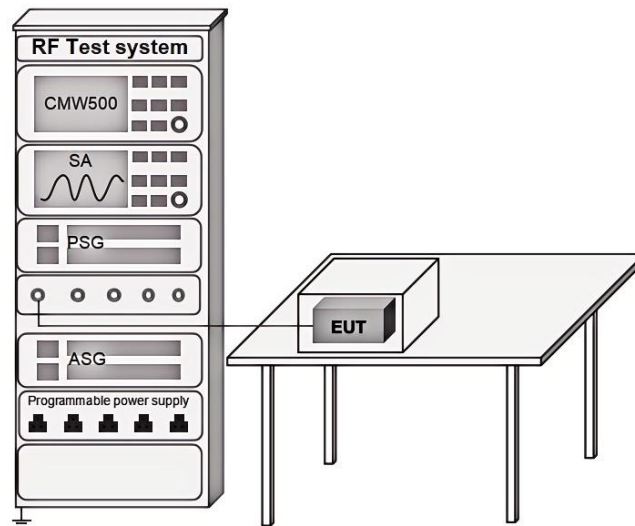
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20dB.

Attenuation below the general limits specified in §15.209(a) is not required.

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

## 6.6.2 Test setup



### 6.6.3 Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:

|                 |                    |
|-----------------|--------------------|
| Frequency       | Spurious Frequency |
| Span            | 0 MHz              |
| RBW/VBW         | 100 kHz /300 kHz   |
| Sweep Time      | Auto               |
| Detector mode   | Peak               |
| Indication mode | Max hold           |

### 6.6.4 Test data

Pass: Please refer to appendix A for details

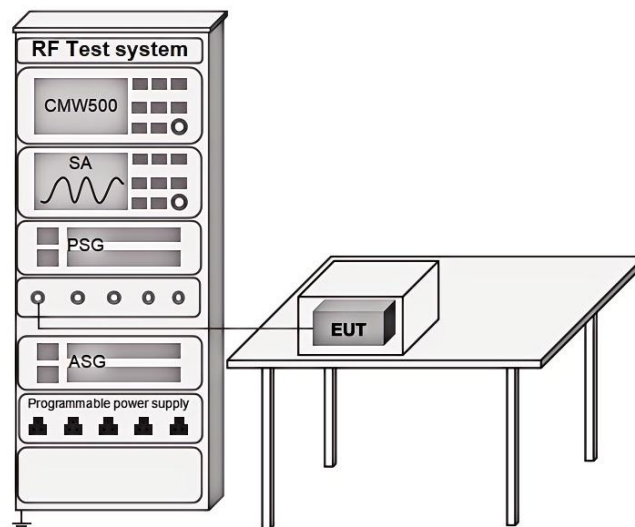
## 6.7 Carrier Frequencies Separation

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Test Standard          | 47 CFR Part 15, Subpart C 15.247 (a)(1)                                        |
| Test Method            | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 7.8.2 |
| Test Mode (Pre-Scan)   | TX                                                                             |
| Test Mode (Final Test) | TX                                                                             |

### 6.7.1 Limit

2/3 of the 20dB bandwidth base on the transmission power is less than 0.125W

### 6.7.2 Test setup



### 6.7.3 Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:

|                 |                    |
|-----------------|--------------------|
| Frequency       | Spurious Frequency |
| Span            | 3 MHz              |
| RBW/VBW         | 30 kHz /100 kHz    |
| Sweep Time      | Auto               |
| Detector mode   | Positive peak      |
| Indication mode | Max hold           |

### 6.7.4 Test data

Pass: Please refer to appendix A for details