

TEST Report

| Applicant: | Guangzhou Siyuetian Electronic Technology Co., Ltd. |
|------------------------------|---|
| Address of Applicant: | 4th Floor, No. 75, Street 1, Xiajiao Lingnan E-commerce Park, Panyu District, Guangzhou, China |
| Manufacturer : | TPV Audio-Visual Technology (Shenzhen) Co., Ltd. |
| Address of Manufacturer : | Room 4201, Block A, Building 2, Shenzhen Bay Innovation and Technology Center, 3156 South Keyuan Road, Yuehai Subdistrict, Nanshan District, Shenzhen |
| Equipment Under Test (El | JT) |
| Product Name: | Earphones |
| Model No.: | TAT3469 |
| Series model: | N/A |
| Trade Mark: | PHILIPS |
| FCC ID: | 2BMBA-TAT3469 |
| Applicable standards: | FCC CFR Title 47 Part 15 Subpart C Section 15.247 |
| Date of sample receipt: | Mar. 25, 2025 |
| Date of Test: | Mar. 25, 2025 ~ Mar. 31, 2025 |
| Date of report issued: | Mar. 31, 2025 |
| Test Result : | PASS * |

* In the configuration tested, the EUT complied with the standards specified above.



1. Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | Mar. 31, 2025 | Original |
| | | |
| | | |
| | | |
| | | |

Tested/ Prepared By

Heber He Date:

Mar. 31, 2025

Project Engineer

Bruce Zhu Date:

Mar. 31, 2025

Reviewer



Mar. 31, 2025

Approved By :

Check By:



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3. Test Summary

| Test Item | Section in CFR 47 | Result |
|----------------------------------|--------------------|--------|
| Antenna Requirement | 15.203/15.247 (c) | Pass |
| AC Power Line Conducted Emission | 15.207 | Pass |
| Conducted Peak Output Power | 15.247 (b)(1) | Pass |
| 20dB Occupied Bandwidth | 15.247 (a)(1) | Pass |
| Carrier Frequencies Separation | 15.247 (a)(1) | Pass |
| Hopping Channel Number | 15.247 (a)(1)(iii) | Pass |
| Dwell Time | 15.247 (a)(1)(iii) | Pass |
| Radiated Emission | 15.205/15.209 | Pass |
| Band Edge | 15.247(d) | Pass |

Remarks:

- 1. Pass: The EUT complies with the essential requirements in the standard.
- 2. Test according to ANSI C63.10:2013

Measurement Uncertainty

| Test Item | Frequency Range | Measurement Uncertainty | Notes | |
|--|-------------------------------------|-----------------------------------|-------|--|
| Radiated Emission | 9KHz~30MHz | 3.12 dB | (1) | |
| Radiated Emission | 30~1000MHz | 4.37 dB | (1) | |
| Radiated Emission | 1~18GHz | 5.40 dB | (1) | |
| Radiated Emission | 18-40GHz | 5.45 dB | (1) | |
| Conducted Disturbance 0.15~30MHz 2.68 dB | | | | |
| Note (1): The measurement uncer | rtainty is for coverage factor of k | =2 and a level of confidence of § | 95%. | |



4. General Information

4.1. General Description of EUT

| Product Name: | Earphones |
|--|---|
| Model No.: | TAT3469 |
| Series model: | N/A |
| Test sample(s) ID: | HTT2025031082-1(Engineer sample) HTT2025031082-2(Normal sample) |
| Operation Frequency: | 2402MHz~2480MHz |
| Channel numbers: | 79 |
| Channel separation: | 1MHz |
| Modulation type: | GFSK, π/4-DQPSK |
| Antenna Type: | Chip Antenna |
| Antenna gain: | 3.0 dBi |
| Power Supply: | DC 3.7V From Battery and DC 5V From External Circuit |
| Adapter Information (Auxiliary test provided by the lab): | Mode: GS-0500200 Input: AC100-240V, 50/60Hz, 0.3A max Output: DC 5V, 2A |



| Operation Frequency each of channel | | | | | | | | | |
|-------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|--|--|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency | | |
| 1 | 2402MHz | 21 | 2422MHz | 41 | 2442MHz | 61 | 2462MHz | | |
| 2 | 2403MHz | 22 | 2423MHz | 42 | 2443MHz | 62 | 2463MHz | | |
| 3 | 2404MHz | 23 | 2424MHz | 43 | 2444MHz | 63 | 2464MHz | | |
| 4 | 2405MHz | 24 | 2425MHz | 44 | 2445MHz | 64 | 2465MHz | | |
| 5 | 2406MHz | 25 | 2426MHz | 45 | 2446MHz | 65 | 2466MHz | | |
| 6 | 2407MHz | 26 | 2427MHz | 46 | 2447MHz | 66 | 2467MHz | | |
| 7 | 2408MHz | 27 | 2428MHz | 47 | 2448MHz | 67 | 2468MHz | | |
| 8 | 2409MHz | 28 | 2429MHz | 48 | 2449MHz | 68 | 2469MHz | | |
| 9 | 2410MHz | 29 | 2430MHz | 49 | 2450MHz | 69 | 2470MHz | | |
| 10 | 2411MHz | 30 | 2431MHz | 50 | 2451MHz | 70 | 2471MHz | | |
| 11 | 2412MHz | 31 | 2432MHz | 51 | 2452MHz | 71 | 2472MHz | | |
| 12 | 2413MHz | 32 | 2433MHz | 52 | 2453MHz | 72 | 2473MHz | | |
| 13 | 2414MHz | 33 | 2434MHz | 53 | 2454MHz | 73 | 2474MHz | | |
| 14 | 2415MHz | 34 | 2435MHz | 54 | 2455MHz | 74 | 2475MHz | | |
| 15 | 2416MHz | 35 | 2436MHz | 55 | 2456MHz | 75 | 2476MHz | | |
| 16 | 2417MHz | 36 | 2437MHz | 56 | 2457MHz | 76 | 2477MHz | | |
| 17 | 2418MHz | 37 | 2438MHz | 57 | 2458MHz | 77 | 2478MHz | | |
| 18 | 2419MHz | 38 | 2439MHz | 58 | 2459MHz | 78 | 2479MHz | | |
| 19 | 2420MHz | 39 | 2440MHz | 59 | 2460MHz | 79 | 2480MHz | | |
| 20 | 2421MHz | 40 | 2441MHz | 60 | 2461MHz | | | | |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

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

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 Shenzhen, Guangdong, China



4.2. Test mode

Transmitting mode Keep the EUT in continuously transmitting mode.

Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

4.3. Description of Support Units

None.

4.4. Deviation from Standards

None.

4.5. Abnormalities from Standard Conditions

None.

4.6. Test Facility

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

FCC-Registration No.: 779513 Designation Number: CN1319

Shenzhen HTT Technology Co.,Ltd. has been accredited on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6435.01

Shenzhen HTT Technology Co.,Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

4.7. Test Location

All tests were performed at:

Shenzhen HTT Technology Co.,Ltd.

1F, Building B, Huafeng International Robotics Industrial Park, Hangcheng Road, Nanchang Community, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China Tel: 0755-23595200

Fax: 0755-23595201

4.8. Additional Instructions

| Test Software | Special AT test command provided by manufacturer to Keep the EUT in continuously transmitting mode and hopping mode |
|-------------------|---|
| Power level setup | Default |



5. Test Instruments list T

| 5. | i est instrume | | | | . | |
|------|-------------------------------------|--|--------------------|------------------|------------------------|----------------------------|
| ltem | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1 | 3m Semi- Anechoic Chamber | Shenzhen C.R.T technology co., LTD | 9*6*6 | HTT-E028 | Aug. 10 2024 | Aug. 09 2027 |
| 2 | Control Room | Shenzhen C.R.T technology co., LTD | 4.8*3.5*3.0 | HTT-E030 | Aug. 10 2024 | Aug. 09 2027 |
| 3 | EMI Test Receiver | Rohde&Schwar | ESCI7 | HTT-E022 | Apr. 26 2024 | Apr. 25 2025 |
| 4 | Spectrum Analyzer | Rohde&Schwar | FSP | HTT-E037 | Apr. 26 2024 | Apr. 25 2025 |
| 5 | Coaxial Cable | ZDecl | ZT26-NJ-NJ-0.6M | HTT-E018 | Apr. 26 2024 | Apr. 25 2025 |
| 6 | Coaxial Cable | ZDecl | ZT26-NJ-SMAJ-2M | HTT-E019 | Apr. 26 2024 | Apr. 25 2025 |
| 7 | Coaxial Cable | ZDecl | ZT26-NJ-SMAJ-0.6M | HTT-E020 | Apr. 26 2024 | Apr. 25 2025 |
| 8 | Coaxial Cable | ZDecl | ZT26-NJ-SMAJ-8.5M | HTT-E021 | Apr. 26 2024 | Apr. 25 2025 |
| 9 | Composite logarithmic antenna | Schwarzbeck | VULB 9168 | HTT-E017 | May. 21 2024 | May. 20 2025 |
| 10 | Horn Antenna | Schwarzbeck | BBHA9120D | HTT-E016 | May. 20 2024 | May. 19 2025 |
| 11 | Loop Antenna | Zhinan | ZN30900C | HTT-E039 | Apr. 26 2024 | Apr. 25 2025 |
| 12 | Horn Antenna | Beijing Hangwei Dayang | OBH100400 | HTT-E040 | Apr. 26 2024 | Apr. 25 2025 |
| 13 | low frequency Amplifier | Sonoma Instrument | 310 | HTT-E015 | Apr. 26 2024 | Apr. 25 2025 |
| 14 | high-frequency Amplifier | HP | 8449B | HTT-E014 | Apr. 26 2024 | Apr. 25 2025 |
| 15 | Variable frequency power supply | Shenzhen Anbiao Instrument Co., Ltd | ANB-10VA | HTT-082 | Apr. 26 2024 | Apr. 25 2025 |
| 16 | EMI Test Receiver | Rohde & Schwarz | ESCS30 | HTT-E004 | Apr. 26 2024 | Apr. 25 2025 |
| 17 | Artificial Mains | Rohde & Schwarz | ESH3-Z5 | HTT-E006 | May. 23 2024 | May. 22 2025 |
| 18 | Artificial Mains | Rohde & Schwarz | ENV-216 | HTT-E038 | May. 23 2024 | May. 22 2025 |
| 19 | Cable Line | Robinson | Z302S-NJ-BNCJ-1.5M | HTT-E001 | Apr. 26 2024 | Apr. 25 2025 |
| 20 | Attenuator | Robinson | 6810.17A | HTT-E007 | Apr. 26 2024 | Apr. 25 2025 |
| 21 | Variable frequency power supply | Shenzhen Yanghong Electric Co., Ltd | YF-650 (5KVA) | HTT-E032 | Apr. 26 2024 | Apr. 25 2025 |
| 22 | Control Room | Shenzhen C.R.T technology co., LTD | 8*4*3.5 | HTT-E029 | Aug. 10 2024 | Aug. 09 2027 |
| 23 | DC power supply | Agilent | E3632A | HTT-E023 | Apr. 26 2024 | Apr. 25 2025 |
| 24 | EMI Test Receiver | Agilent | N9020A | HTT-E024 | Apr. 26 2024 | Apr. 25 2025 |
| 25 | Analog signal generator | Agilent | N5181A | HTT-E025 | Apr. 26 2024 | Apr. 25 2025 |
| 26 | Vector signal generator | Agilent | N5182A | HTT-E026 | Apr. 26 2024 | Apr. 25 2025 |
| 27 | Power sensor | Keysight | U2021XA | HTT-E027 | Apr. 26 2024 | Apr. 25 2025 |
| 28 | Temperature and humidity meter | Shenzhen Anbiao Instrument Co., Ltd | TH10R | HTT-074 | Apr. 28 2024 | Apr. 27 2025 |
| 29 | Radiated Emission Test Software | Farad | EZ-EMC | N/A | N/A | N/A |
| 30 | Conducted Emission Test Software | | EZ-EMC | N/A | N/A | N/A |
| 31 | RF Test Software | panshanrf | TST | N/A | N/A | N/A |

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6. Test results and Measurement Data

6.1. Conducted Emissions

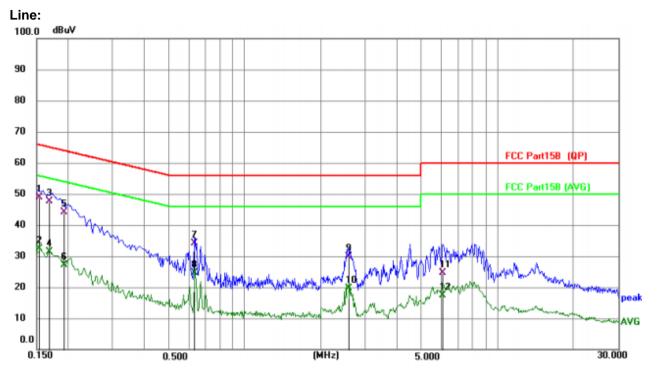
| | - | | | | | | |
|-----------------------|---|-----------------|----------|----------|--|--|--|
| Test Requirement: | FCC Part15 C Section 15.207 | | | | | | |
| Test Method: | ANSI C63.10:2013 | | | | | | |
| Test Frequency Range: | 150KHz to 30MHz | 150KHz to 30MHz | | | | | |
| Class / Severity: | Class B | | | | | | |
| Receiver setup: | RBW=9KHz, VBW=30KHz, Sweep time=auto | | | | | | |
| Limit: | | Limi | t (dBuV) | | | | |
| | Frequency range (MHz) | Quasi-peak | Ave | erage | | | |
| | 0.15-0.5 | 66 to 56* | | o 46* | | | |
| | 0.5-5 | 56 | | 46 | | | |
| | 5-30 | 60 | 5 | 50 | | | |
| Test setup: | | | | | | | |
| Test procedure: | * Decreases with the logarithm of the frequency. Reference Plane Iso a constraint of the frequency. Reference Plane Iso a constraint of the frequency. Remark: EUT: Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0 8m 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed. | | | | | | |
| Test Instruments: | Refer to section 6.0 for details | 5 | | | | | |
| Test mode: | Refer to section 5.2 for details | | | | | | |
| Test environment: | Temp.: 25 °C Hur | nid.: 52% | Press.: | 1012mbar | | | |
| Test voltage: | AC 120V, 60Hz | I | 1 | | | | |
| - | | | | | | | |
| Test results: | Pass | | | | | | |

Remark: Based on all tested data, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case as below:



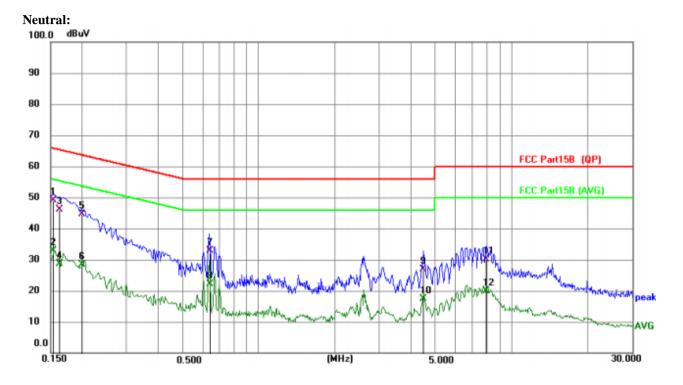
Report No.: HTT2025031082F01

Measurement data:



| | | Deedier | Carrot | Magazin | | | |
|---------|--------|------------------|-------------------|------------------|-------|--------|----------|
| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
| | MHz | | dB | dBuV | dBuV | dB | Detector |
| 1 * | 0.1532 | 38.79 | 10.08 | 48.87 | 65.82 | -16.95 | QP |
| 2 | 0.1532 | 22.42 | 10.08 | 32.50 | 55.82 | -23.32 | AVG |
| 3 | 0.1680 | 37.68 | 10.07 | 47.75 | 65.06 | -17.31 | QP |
| 4 | 0.1680 | 21.41 | 10.07 | 31.48 | 55.06 | -23.58 | AVG |
| 5 | 0.1932 | 33.95 | 10.16 | 44.11 | 63.90 | -19.79 | QP |
| 6 | 0.1932 | 16.86 | 10.16 | 27.02 | 53.90 | -26.88 | AVG |
| 7 | 0.6326 | 23.88 | 10.22 | 34.10 | 56.00 | -21.90 | QP |
| 8 | 0.6326 | 14.51 | 10.22 | 24.73 | 46.00 | -21.27 | AVG |
| 9 | 2.5762 | 19.62 | 10.20 | 29.82 | 56.00 | -26.18 | QP |
| 10 | 2.5762 | 9.48 | 10.20 | 19.68 | 46.00 | -26.32 | AVG |
| 11 | 6.0712 | 14.40 | 10.11 | 24.51 | 60.00 | -35.49 | QP |
| 12 | 6.0712 | 7.30 | 10.11 | 17.41 | 50.00 | -32.59 | AVG |
| | | | | | | | |





| . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|---------|---|--|---|---|--|---|
| MHz | | dB | dBuV | dBuV | dB | Detector |
| 0.1535 | 38.85 | 10.16 | 49.01 | 65.81 | -16.80 | QP |
| 0.1535 | 22.61 | 10.16 | 32.77 | 55.81 | -23.04 | AVG |
| 0.1630 | 36.04 | 10.20 | 46.24 | 65.31 | -19.07 | QP |
| 0.1630 | 18.53 | 10.20 | 28.73 | 55.31 | -26.58 | AVG |
| 0.1996 | 34.32 | 10.20 | 44.52 | 63.63 | -19.11 | QP |
| 0.1996 | 18.20 | 10.20 | 28.40 | 53.63 | -25.23 | AVG |
| 0.6408 | 22.74 | 10.19 | 32.93 | 56.00 | -23.07 | QP |
| 0.6408 | 11.99 | 10.19 | 22.18 | 46.00 | -23.82 | AVG |
| 4.4806 | 16.66 | 10.16 | 26.82 | 56.00 | -29.18 | QP |
| 4.4806 | 7.26 | 10.16 | 17.42 | 46.00 | -28.58 | AVG |
| 7.9854 | 19.97 | 10.18 | 30.15 | 60.00 | -29.85 | QP |
| 7.9854 | 9.67 | 10.18 | 19.85 | 50.00 | -30.15 | AVG |
| | MHz 0.1535 0.1535 0.1630 0.1630 0.1996 0.1996 0.6408 0.6408 4.4806 4.4806 7.9854 | K. Freq. Level MHz 0.1535 38.85 0.1535 22.61 0.1630 0.1630 36.04 0.1630 0.1630 18.53 0.1996 0.1996 34.32 0.1996 0.6408 22.74 0.6408 0.6408 11.99 4.4806 16.66 7.9854 19.97 | K. Freq. Level Factor MHz dB 0.1535 38.85 10.16 0.1535 22.61 10.16 0.1535 22.61 10.16 0.1630 36.04 10.20 0.1630 18.53 10.20 0.1996 34.32 10.20 0.1996 18.20 10.20 0.6408 22.74 10.19 0.6408 11.99 10.19 4.4806 16.66 10.16 4.4806 7.26 10.18 7.9854 19.97 10.18 | K. Freq. Level Factor ment MHz dB dBuV 0.1535 38.85 10.16 49.01 0.1535 22.61 10.16 32.77 0.1630 36.04 10.20 46.24 0.1630 18.53 10.20 28.73 0.1996 34.32 10.20 28.40 0.6408 22.74 10.19 32.93 0.6408 11.99 10.19 22.18 4.4806 16.66 10.16 26.82 4.4806 7.26 10.16 17.42 7.9854 19.97 10.18 30.15 | K. Freq. Level Factor ment Limit MHz dB dBuV dBuV dBuV dBuV 0.1535 38.85 10.16 49.01 65.81 0.1535 22.61 10.16 32.77 55.81 0.1535 22.61 10.16 32.77 55.81 0.1630 36.04 10.20 46.24 65.31 0.1630 18.53 10.20 28.73 55.31 0.1996 34.32 10.20 28.40 53.63 0.1996 18.20 10.20 28.40 53.63 0.6408 22.74 10.19 32.93 56.00 0.6408 11.99 10.19 22.18 46.00 4.4806 16.66 10.16 26.82 56.00 4.4806 7.26 10.16 17.42 46.00 7.9854 19.97 10.18 30.15 60.00 | K. Freq. Level Factor ment Limit Over MHz dB dBuV dBuV dB dBuV dB 0.1535 38.85 10.16 49.01 65.81 -16.80 0.1535 22.61 10.16 32.77 55.81 -23.04 0.1630 36.04 10.20 46.24 65.31 -19.07 0.1630 18.53 10.20 28.73 55.31 -26.58 0.1996 34.32 10.20 28.40 53.63 -19.11 0.1996 18.20 10.20 28.40 53.63 -25.23 0.6408 22.74 10.19 32.93 56.00 -23.07 0.6408 11.99 10.19 22.18 46.00 -23.82 4.4806 16.66 10.16 26.82 56.00 -29.18 4.4806 7.26 10.16 17.42 46.00 -28.58 7.9854 19.97 10.18 30.15 <td< td=""></td<> |

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Los

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 Shenzhen, Guangdong, China



Test Requirement: FCC Part15 C Section 15.247 (b)(3) Test Method: ANSI C63.10:2013 Limit: 30dBm(for GFSK),20.97dBm(for EDR) Power sensor and Spectrum analyzer Test setup: E.U.T Non-Conducted Table Ground Reference Plane **Test Instruments:** Refer to section 6.0 for details Test mode: Refer to section 5.2 for details Pass Test results: 52% Press.: Test environment: Temp.: 25 °C Humid.: 1012mbar

6.2. Conducted Peak Output Power

Measurement Data

| Mode . | TX | Frequency | Packet | ANT | Maximum·Peak·0 Power | Verdict | | |
|-----------|--|-----------|------------|-------|-------------------------|---------|------|--|
| | 51 ··· · · · · · · · · · · · · · · · · · | (MHz) | (MHz) Type | | ANT1 | Limit | | |
| | 2402 | DH5 | 1 | -0.74 | 20.97 | Pass | | |
| GFSK | SISO | 2441 | DH5 | 1 | -1.55 | 20.97 | Pass | |
| | | 2480 | DH5 | 1 | -1.96 | 20.97 | Pass | |
| | | 2402 | 2DH5 | 1 | -0.43 | 20.97 | Pass | |
| Pi/4DQPSK | SISO | 2441 | 2DH5 | 1 | -1.32 | 20.97 | Pass | |
| | | 2480 | 2DH5 | 1 | -1.6 | 20.97 | Pass | |



FCC Part15 C Section 15.247 (a)(2) **Test Requirement:** Test Method: ANSI C63.10:2013 Limit: N/A Test setup: Spectrum Analyzer E.U.T G Non-Conducted Table **Ground Reference Plane Test Instruments:** Refer to section 6.0 for details Test mode: Refer to section 5.2 for details Test results: Pass 52% 1012mbar Test environment: Temp.: 25 °C Humid.: Press.:

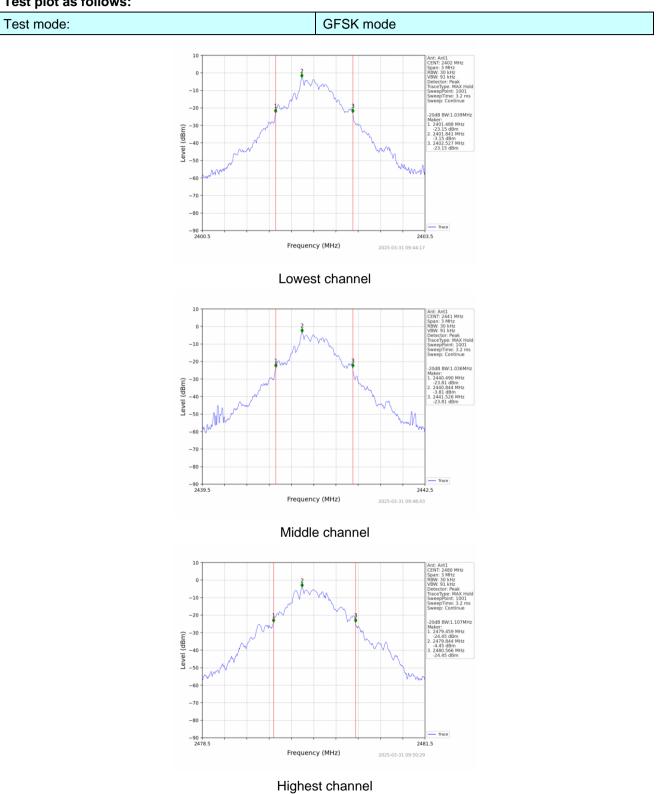
6.3. 20dB Emission Bandwidth

Measurement Data

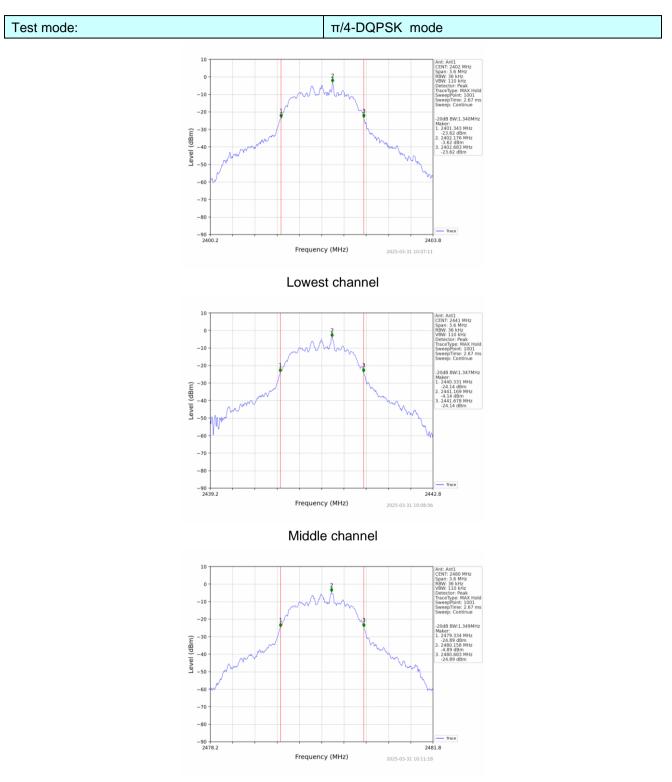
| Mada | TX | Frequency | Packet | ANT | 20dB Band | Verdict | |
|-----------|-------|-----------|--------|--------|-----------|---------|------|
| Mode Type | (MHz) | Туре | | Result | Limit | verdici | |
| | | 2402 | DH5 | 1 | 1.039 | / | Pass |
| GFSK | SISO | 2441 | DH5 | 1 | 1.036 | / | Pass |
| | | 2480 | DH5 | 1 | 1.107 | / | Pass |
| | | 2402 | 2DH5 | 1 | 1.340 | / | Pass |
| Pi/4DQPSK | SISO | 2441 | 2DH5 | 1 | 1.347 | / | Pass |
| | | 2480 | 2DH5 | 1 | 1.349 | / | Pass |



Test plot as follows:







Highest channel



6.4. Frequencies Separation

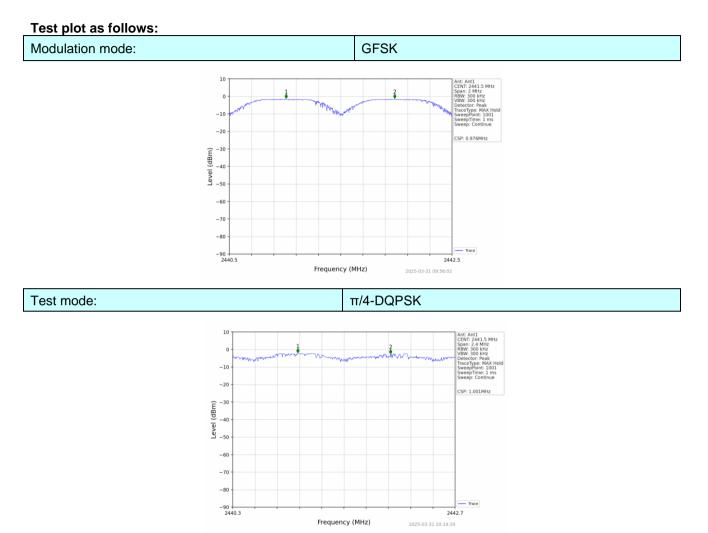
| · · · | | | | | | | | | |
|-------------------|-------------|---|---------|-----|---------|----------|--|--|--|
| Test Requirement: | FCC Part1 | FCC Part15 C Section 15.247 (a)(1) | | | | | | | |
| Test Method: | ANSI C63. | ANSI C63.10:2013 | | | | | | | |
| Receiver setup: | RBW=100 | RBW=100KHz, VBW=300KHz, detector=Peak | | | | | | | |
| Limit: | | GFSK: 20dB bandwidth π /4-DQPSK /8-DPSK: 0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater) | | | | | | | |
| Test setup: | Sr Sr | | | | | | | | |
| Test Instruments: | Refer to se | ction 6.0 for a | details | | | | | | |
| Test mode: | Refer to se | ction 5.2 for a | details | | | | | | |
| Test results: | Pass | | | | | | | | |
| Test environment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar | | | |
| | | | | | | | | | |

Measurement Data

| | | | | Ant1 | | | |
|-----------|------|-----------|--------|--------------------|----------------|---------|---------|
| Mode | ТΧ | Frequency | Packet | Channel Separation | 20dB Bandwidth | Limit | Verdict |
| woue | Туре | (MHz) | Туре | (MHz) | (MHz) | (MHz) | verdict |
| GFSK | SISO | HOPP | DH5 | 0.976 | 1.107 | >=0.738 | Pass |
| Pi/4DQPSK | SISO | HOPP | 2DH5 | 1.001 | 1.349 | >=0.899 | Pass |

Remark: We have tested all mode at high, middle and low channel, and recorded worst case at middle







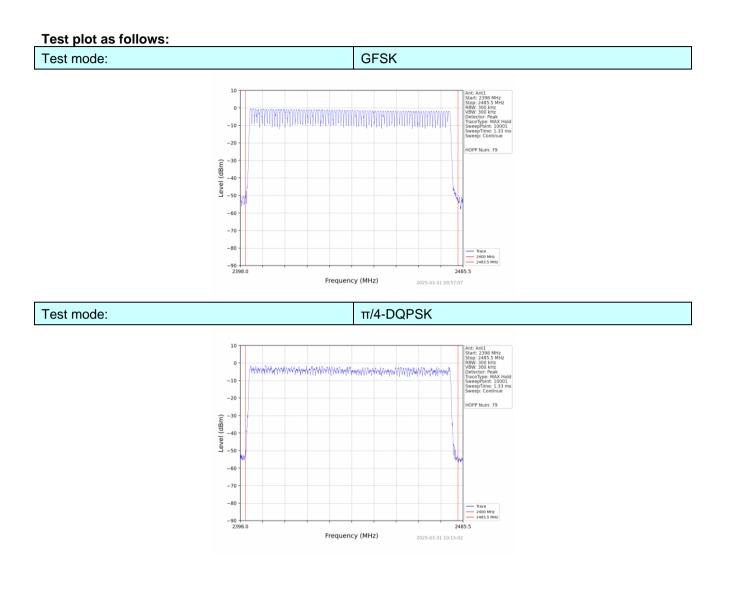
| Test Requirement: | FCC Part15 C Section 15.247 (a)(1)(iii) | | | | | | | |
|-------------------|---|--|--|--|--|--|--|--|
| Test Method: | ANSI C63.10:2013 | | | | | | | |
| Receiver setup: | RBW=100kHz, VBW=300kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak | | | | | | | |
| Limit: | 15 channels | | | | | | | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | | | | | | | |
| Test Instruments: | Refer to section 6.0 for details | | | | | | | |
| Test mode: | Refer to section 5.2 for details | | | | | | | |
| Test results: | Pass | | | | | | | |
| Test environment: | Temp.: 25 °C Humid.: 52% Press.: 1012mbar | | | | | | | |

6.5. Hopping Channel Number

Measurement Data:

| Mode | Hopping channel numbers | Limit | Result |
|-----------|-------------------------|-------|--------|
| GFSK | 79 | 245 | Pass |
| π/4-DQPSK | 79 | ≥15 | Pass |







6.6. Dwell Time

| Test Requirement: | FCC Part15 | FCC Part15 C Section 15.247 (a)(1)(iii) | | | | | | | |
|-------------------|--------------|---|---------|-----|---------|----------|--|--|--|
| Test Method: | ANSI C63.1 | ANSI C63.10:2013 | | | | | | | |
| Receiver setup: | RBW=1MHz | RBW=1MHz, VBW=1MHz, Span=0Hz, Detector=Peak | | | | | | | |
| Limit: | 0.4 Second | 0.4 Second | | | | | | | |
| Test setup: | Spe | | | | | | | | |
| Test Instruments: | Refer to sec | tion 6.0 for c | letails | | | | | | |
| Test mode: | Refer to sec | tion 5.2 for c | letails | | | | | | |
| Test results: | Pass | Pass | | | | | | | |
| Test environment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar | | | |
| | | | | | | | | | |



Measurement Data

| Modulation | Packet | Burst time (ms) | Dwell time (ms) | Limit (ms) | Result |
|------------|--------|--------------------|--------------------|------------|--------|
| | DH1 | 0.386 | 123.520 | | |
| GFSK | DH3 | 1.636 | 260.124 | 400 | Pass |
| | DH5 | 2.890 | 283.220 | | |
| | 2-DH1 | 0.390 | 124.020 | | |
| | 2-DH3 | 1.648 | 258.736 | | |
| π/4DQPSK | 2-DH5 | 2.896 | 304.080 | 400 | Pass |
| | 3-DH3 | 0.386 | 123.520 | | |
| | 3-DH5 | 1.636 | 260.124 | | |

Note:We have tested all mode at high, middle and low channel, and recoreded worst case at middle channel.

Dwell time=Pulse time (ms) × (1600 \div 2 \div 79) ×31.6 Second for DH1, 2-DH1,

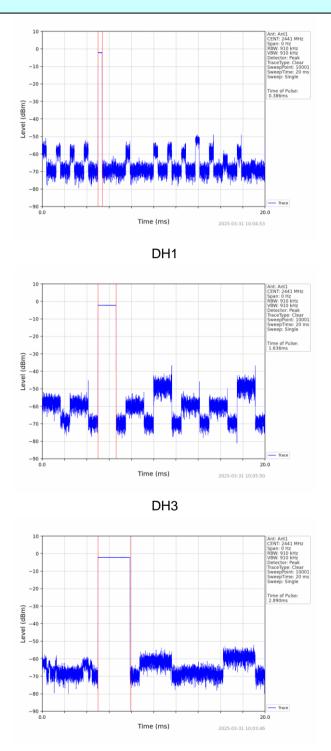
Dwell time=Pulse time (ms) \times (1600 \div 4 \div 79) \times 31.6 Second for DH3, 2-DH3

Dwell time=Pulse time (ms) × (1600 \div 6 \div 79) ×31.6 Second for DH5, 2-DH5



Test plot as follows:

GFSK mode



DH5

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10 Ant: Ant1 CENT: 2441 MHz Span: 0 Hz RBW: 1 MHz VBW: 1 MHz Detector: Peak C Detector: Peak TraceType: Clear SweepPoint: 1000 SweepTime: 20 m Sweep: Single -10 -20 Time of Pulse: 0.390ms -30 Level (dBm) -40 -50 -60 -70 -80 -90 ↓ 0.0 20.0 Time (ms) 2DH1 10 Ant: Ant1 CENT: 2441 MHZ Span: 0 HZ RBW: 1 MHZ VBW: 1 MHZ VBW: 1 MHZ Detector: Peak TraceType: Clear SweepPoint: 100 SweepTime: 20 r SweepTime: Sinpla C -10 -20 Time of Pulse 1.648ms -30 Level (dBm) -40 -50 -60 -70 -80 -90 + 0.0 Trace 20.0 Time (ms) 2DH3 10 Ant: Ant1 CENT: 2441 MHz Span: 0 Hz RBW: 1 MHz VBW: 1 MHz Detector: Peak C Detector: P TraceType: SweepPoint SweepTime Sweep: Sin -10 -20 Time of Pulse: 2.896ms -30 -40 -50 -60 -70 -80 -90 ∔-0.0 Trace 20.0 Time (ms) 2025-03-31 10:15:16

2DH5

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 Shenzhen, Guangdong, China



6.7. Band Edge

6.7.1. Conducted Emission Method

| Test Descriptions | FOO Dentified O Dentified AF 0.47 (-1) | | | | | | |
|-------------------|---|----------------|--|--|--|--|--|
| Test Requirement: | FCC Part15 C Section 15.247 (d) | | | | | | |
| Test Method: | ANSI C63.10:2013 | | | | | | |
| Receiver setup: | RBW=100kHz, VBW=300kHz, Detector=Peak | | | | | | |
| Limit: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. | | | | | | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | | | | | | |
| Test Instruments: | Refer to section 6.0 for details | | | | | | |
| Test mode: | Refer to section 5.2 for details | | | | | | |
| Test results: | Pass | | | | | | |
| Test environment: | Temp.: 25 °C Humid.: 52% Pre | ess.: 1012mbar | | | | | |



Test plot as follows:

GFSK Mode:

-90 2472.0

Report No.: HTT2025031082F01

Test channel Lowest channel 10 -10 -10 -20 -20 -21.23 dBn .850 MHz (dBm) -30 -31 Level (dBm) -40 -40) -+--50 -50 had chall boot in the have a share adding a d -60 -6 -70 -70 -80 -80 Trace Limit 2410.0 2410.0 Frequency (MHz) Frequency (MHz) 2025-03-31 09:53:53 2025-03-31 09:44:36 No-hopping mode Hopping mode Test channel: Highest channel 10 0 -10 -1 -20 21 23 dF 21 23 - 2498.992 Mi -52.81 dBm -2483.500 Mi -61.60 dBm (dBm) -30 (dBm) .916 M -30 -40 -4 -40 –40 –50) -40 Panal -50 MANAMAMAN 1 -60 -60 -70 -70 -80 -80 Trace Limit Trace Limit

No-hopping mode

Frequency (MHz)

2500.0

2025-03-31 09:50:47

Hopping mode

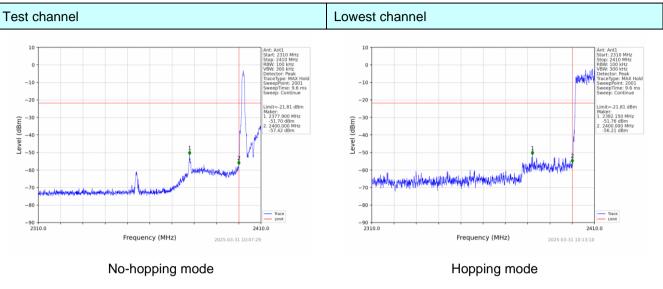
Frequency (MHz)

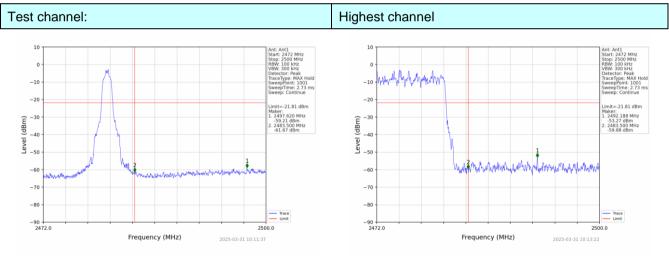
2500.0

2025-03-31 09:54:13



π /4-DQPSK Mode:





No-hopping mode

Hopping mode



| 6.7.2. | Radiated E | mission Me | ethod | | | | | |
|---------------|------------|---|---|--|---|---|---|--|
| Test Require | ement: | FCC Part15 C Section 15.209 and 15.205 | | | | | | |
| Test Method | : | ANSI C63.1 | 0:2013 | | | | | |
| Test Freque | ncy Range: | All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed. | | | | | | |
| Test site: | | Measureme | ent Distance: | 3m | | | | |
| Receiver set | up: | Frequenc | cy Deteo | ctor RB | W VBW | V Re | emark | |
| | | Above 1G | Hz Pea | | | | k Value | |
| | | | Pea | | | | ge Value | |
| Limit: | | Fre | equency | Limit (c | dBuV/m @3m | / | emark | |
| | | Abo | ve 1GHz | | 54.00 74.00 | | ge Value k Value | |
| | | Tum Table <150cm. | | | Antenna- 4m >v | | | |
| Test Procedu | ure: | ground a determin 2. The EUT antenna, tower. 3. The ante ground to horizonta measure 4. For each and then and then and the rmaximur 5. The test-Specified 6. If the em limit spece EUT wou 10dB ma | was placed at a 3 meter c te the position was set 3 m which was n and height is o determine t al and vertica ment. a suspected e the antenna rota table was n reading. receiver syst d Bandwidth v ission level o cified, then te uld be reporte argin would be method as sp | amber. The tan of the higher eters away frounted on the varied from the maximum polarizations mission, the was tuned to sturned from em was set to with Maximum f the EUT in sting could b ed. Otherwise ere-tested or | able was rota st radiation. om the interf he top of a va- one meter to value of the s of the anter EUT was arra heights from 0 degrees to n Hold Mode peak mode w e stopped an the emission he by one usi | erence-receiv riable-height four meters a field strength anged to its v anged to its v anged to its v anged to its v a 1 meter to 4 o 360 degrees ct Function ar vas 10dB low d the peak van s that did no ng peak, qua | rees to ving antenna above the . Both make the worst case meters s to find the and er than the alues of the t have usi-peak or | |
| Test Instrum | ents: | | ction 6.0 for d | | | | | |
| Test mode: | 0.110. | | ction 5.2 for d | | | | | |
| Test results: | | Pass | | | | | | |
| Test environ | ment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar | |
| | mont. | romp | 25 0 | Turnu | 0270 | 1 1000. | TOTZINDAL | |

Padiated Emission Method 7 0

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Measurement Data

Remark: GFSK, Pi/4 DQPSK all have been tested, only worse case GFSK is reported.

Operation Mode: GFSK

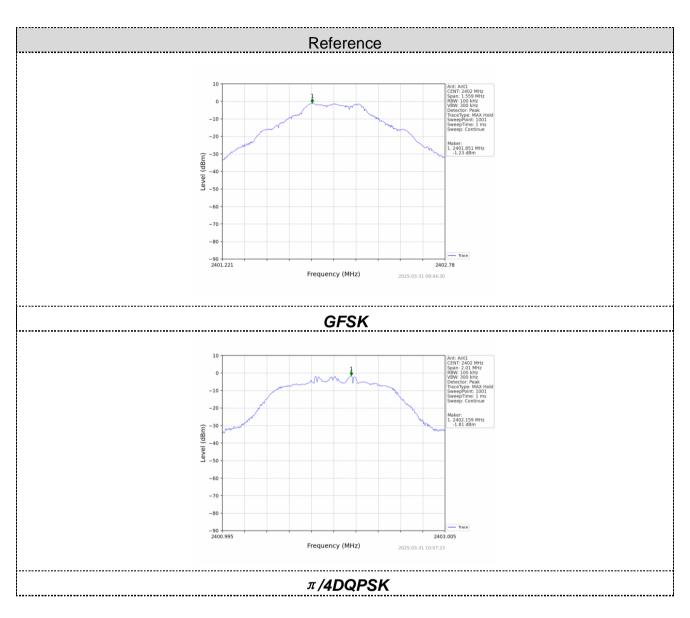
| Freque | ncy(MHz) | : | 24 | 02 | Pola | arity: | Н | | NL |
|--------------------|---------------------------------|-----|-------------------|----------------|------------------------|-----------------------------|-------------------------|---------------------------|--------------------------------|
| Frequency (MHz) | Emis Le ^v (dBu | vel | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre- amplifier (dB) | Correction Factor (dB/m) |
| 2390.00 | 60.47 | PK | 74 | 13.53 | 61.86 | 27.2 | 4.31 | 32.9 | -1.39 |
| 2390.00 | 45.63 | AV | 54 | 8.37 | 47.02 | 27.2 | 4.31 | 32.9 | -1.39 |
| Freque | ncy(MHz) | : | 24 | 02 | Pola | arity: | | VERTICAL | |
| Frequency (MHz) | Emis Le [.] (dBu | vel | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre- amplifier (dB) | Correction Factor (dB/m) |
| 2390.00 | 59.33 | PK | 74 | 14.67 | 60.72 | 27.2 | 4.31 | 32.9 | -1.39 |
| 2390.00 | 47.23 | AV | 54 | 6.77 | 48.62 | 27.2 | 4.31 | 32.9 | -1.39 |
| Freque | Frequency(MHz): | | 24 | 80 | P olarity: | | н | IORIZONTA | AL. |
| Frequency (MHz) | Emis Le [,] (dBu | vel | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre- amplifier (dB) | Correction Factor (dB/m) |
| 2483.50 | 56.20 | PK | 74 | 17.80 | 57.13 | 27.4 | 4.47 | 32.8 | -0.93 |
| 2483.50 | 44.94 | AV | 54 | 9.06 | 45.87 | 27.4 | 4.47 | 32.8 | -0.93 |
| Freque | ncy(MHz) | : | 24 | 80 | Pola | arity: | | VERTICAL | |
| Frequency (MHz) | Emis Le ^v (dBu | vel | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre- amplifier (dB) | Correction Factor (dB/m) |
| 2483.50 | 55.85 | PK | 74 | 18.15 | 56.78 | 27.4 | 4.47 | 32.8 | -0.93 |
| 2483.50 | 43.94 | AV | 54 | 10.06 | 44.87 | 27.4 | 4.47 | 32.8 | -0.93 |



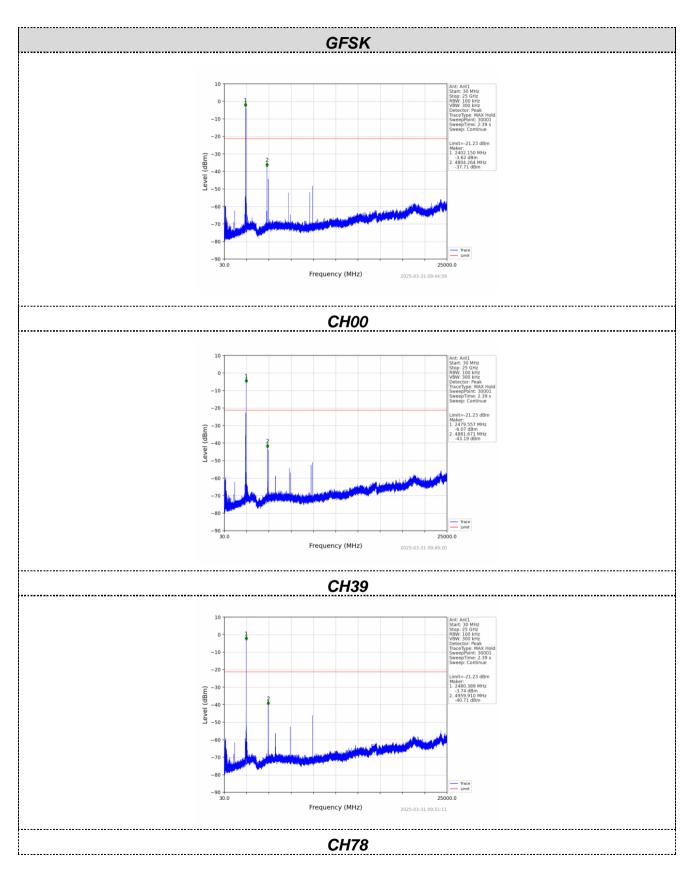
| 6.8. | Spurious Emission |
|-------|-----------------------------|
| 6.8.1 | . Conducted Emission Method |

FCC Part15 C Section 15.247 (d) **Test Requirement: Test Method:** ANSI C63.10:2013 Limit: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Test setup: Spectrum Analyzer E.U.T r. Non-Conducted Table Ground Reference Plane **Test Instruments:** Refer to section 6.0 for details Test mode: Refer to section 5.2 for details Pass Test results: 52% Test environment: Temp.: 25 °C Humid.: Press.: 1012mbar





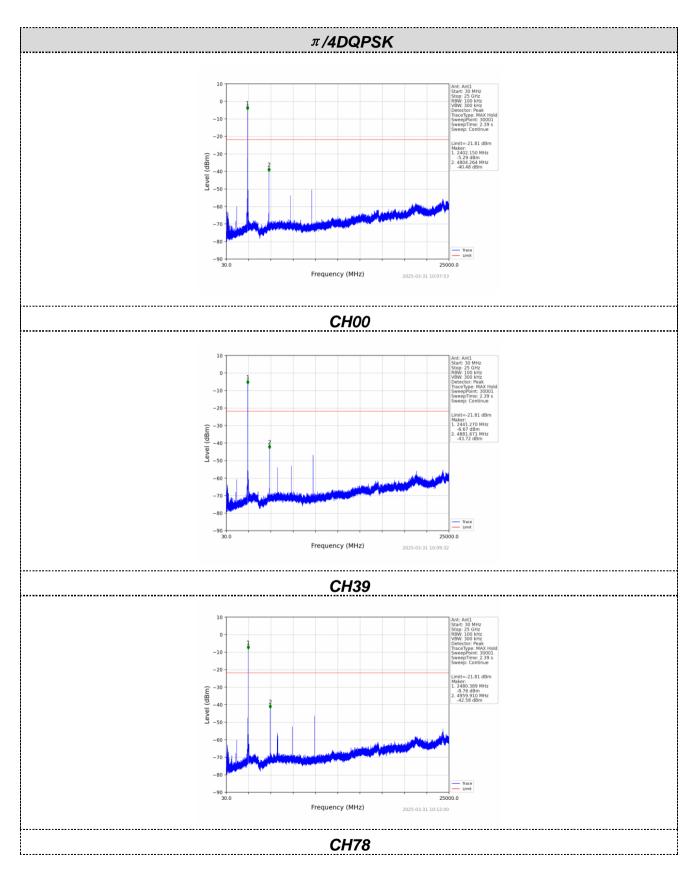




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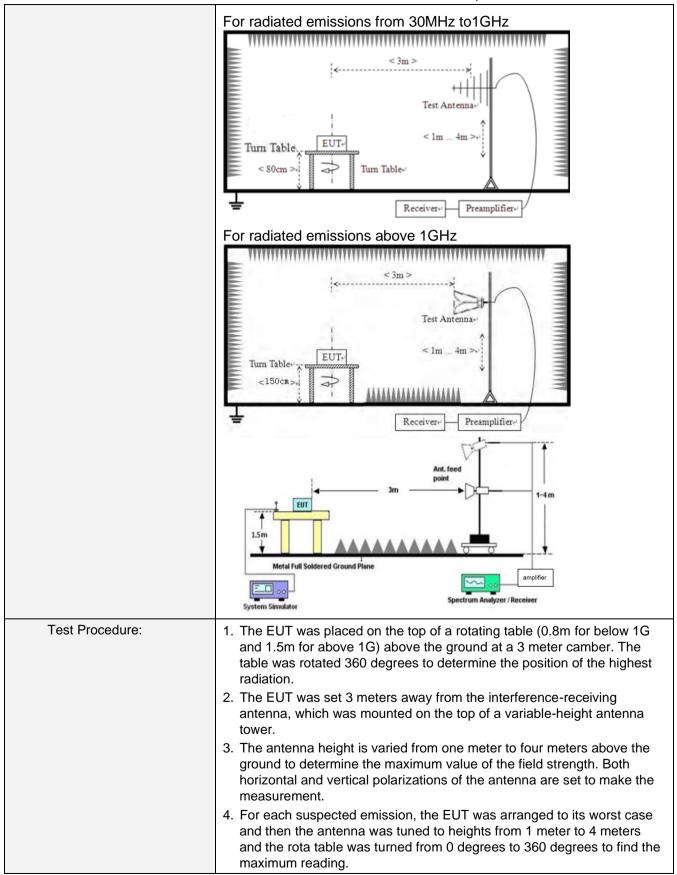


| 6.8.2. Radiated E | mission Method | | | | | | | | | |
|-----------------------|-----------------------------|---|-------------------------------|--------------------------|---------|-------|-----|-------------------------|--|--|
| Test Requirement: | FCC Part15 C Section 15.209 | | | | | | | | | |
| Test Method: | ANSI C63.10:2013 | | | | | | | | | |
| Test Frequency Range: | 9kHz to 25GHz | | | | | | | | | |
| Test site: | Measurement Distar | Measurement Distance: 3m | | | | | | | | |
| Receiver setup: | Frequency | | Detector | RB\ | N | VBW | ' | Value | | |
| | 9KHz-150KHz | Qı | uasi-peak | 200H | Ηz | 600Hz | z | Quasi-peak | | |
| | 150KHz-30MHz | Qı | uasi-peak | 9K⊢ | lz | 30KH: | z | Quasi-peak | | |
| | 30MHz-1GHz | Qı | uasi-peak | 120K | Hz | 300KH | lz | Quasi-peak | | |
| | Above 1GHz | | Peak | 1M⊦ | łz | 3MHz | z | Peak | | |
| | 7.0010112 | | Peak | 1M⊦ | łz | 10Hz | | Average | | |
| Limit: | Frequency | | Limit (u\ | //m) | V | alue | Ν | leasurement Distance | | |
| | 0.009MHz-0.490M | lHz | 2400/F(k | (Hz) | | QP | | 300m | | |
| | 0.490MHz-1.705M | lHz | 24000/F(KHz) | | QP | | 30m | | | |
| | 1.705MHz-30MH | 30 | | QP | | | 30m | | | |
| | 30MHz-88MHz | 100 | | QP | | | | | | |
| | 88MHz-216MHz | 150 | | QP | | | | | | |
| | 216MHz-960MH | 200 | | QP | | | 3m | | | |
| | 960MHz-1GHz | | 500 | | QP | | | | | |
| | Above 1GHz | | 500 | | Average | | | | | |
| | | | 5000 | | P | Peak | | | | |
| Test setup: | For radiated emiss | sions | from 9kH | z to 30 | MH | Z | | | | |
| | Tum Table | and | < 3m > Test A um Table~ | ntenna lm Receiver | | | | | | |

6.8.2. Radiated Emission Method



Report No.: HTT2025031082F01





| | Report No.: HTT2025031082F01 | | | | | | | | |
|-------------------|--|-----------------|---------|-----|---------|----------|--|--|--|
| | 5. The test-receiver system was set to Peak Detect Function and Spec Bandwidth with Maximum Hold Mode. | | | | | | | | |
| | 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. | | | | | | | | |
| Test Instruments: | Refer to see | ction 6.0 for a | details | | | | | | |
| Test mode: | Refer to see | ction 5.2 for c | details | | | | | | |
| Test environment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar | | | |
| Test voltage: | AC 120V, 60Hz | | | | | | | | |
| Test results: | Pass | | | | | | | | |
| | | | | | | | | | |

Measurement data:

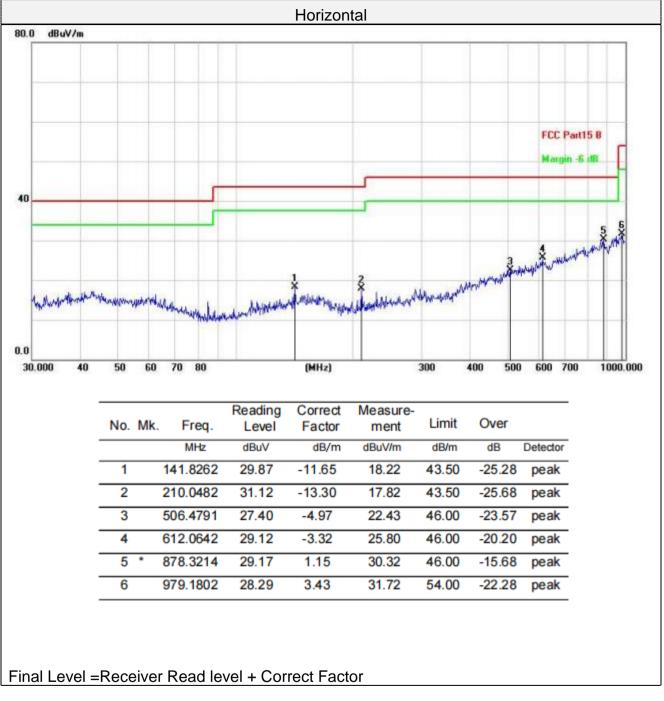
Remarks:

- 1. During the test, pre-scan the GFSK, $\pi/4$ -DQPSK modulation, and found the GFSK modulation which it is worse case.
- 2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.
- 3. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.
- 4. Based on all tested data, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case as DH5 2402MHz as below:

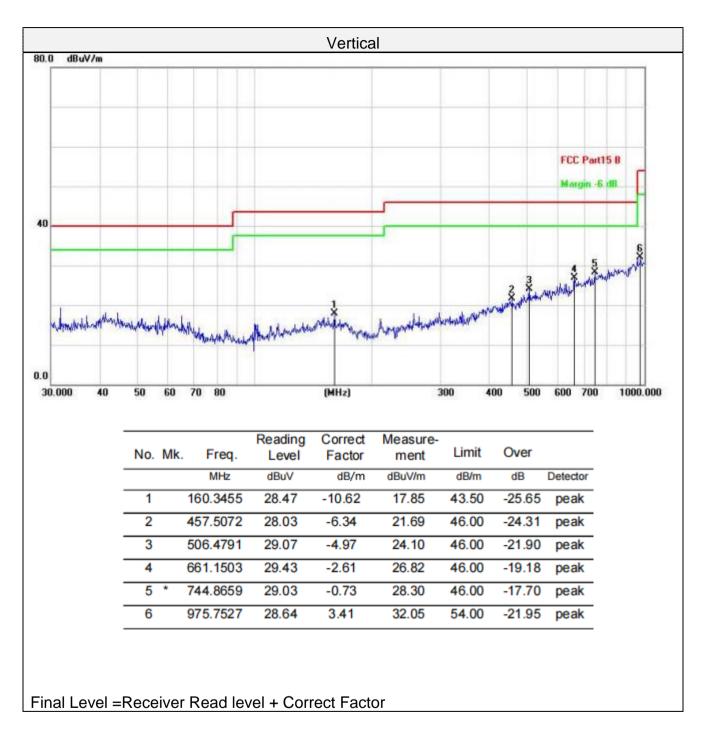


Report No.: HTT2025031082F01

For 30MHz-1GHz









For 1GHz to 25GHz

Remark: For test above 1GHz GFSK,Pi/4 DQPSK and 8-DPSK were test at Low, Middle, and High channel; only the worst result of GFSK was reported as below:

| Freque | Frequency(MHz): | | | 2402 | | Polarity: | | HORIZONTAL | | | |
|--------------------|-----------------|---------------------|-------------------|----------------|------------------------|-----------------------------|-------------------------|---------------------------|--------------------------------|--|--|
| Frequency (MHz) | | sion vel V/m) | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre- amplifier (dB) | Correction Factor (dB/m) | | |
| 4804.00 | 59.85 | PK | 74 | 14.15 | 54.15 | 31 | 6.5 | 31.8 | 5.7 | | |
| 4804.00 | 42.61 | AV | 54 | 11.39 | 36.91 | 31 | 6.5 | 31.8 | 5.7 | | |
| 7206.00 | 54.53 | PK | 74 | 19.47 | 41.88 | 36 | 8.15 | 31.5 | 12.65 | | |
| 7206.00 | 44.08 | AV | 54 | 9.92 | 31.43 | 36 | 8.15 | 31.5 | 12.65 | | |

| Freque | Frequency(MHz): | | | 2402 | | Polarity: | | VERTICAL | | | |
|--------------------|-----------------|------------|-------------------|----------------|-----------------|-------------------|-----------------|-------------------|----------------------|--|--|
| Frequency (MHz) | Emis Le | vel | Limit (dBuV/m) | Margin (dB) | Raw Value | Antenna Factor | Cable Factor | Pre- amplifier | Correction Factor | | |
| 4804.00 | (ави 58.46 | V/m) PK | 74 | 15.54 | (dBuV) 52.76 | (dB/m) 31 | (dB) 6.5 | (dB) 31.8 | (dB/m) 5.7 | | |
| 4804.00 | 42.60 | AV | 54 | 11.40 | 36.90 | 31 | 6.5 | 31.8 | 5.7 | | |
| 7206.00 | 53.34 | PK | 74 | 20.66 | 40.69 | 36 | 8.15 | 31.5 | 12.65 | | |
| 7206.00 | 42.67 | AV | 54 | 11.33 | 30.02 | 36 | 8.15 | 31.5 | 12.65 | | |

| Frequency(MHz): | | | 2441 | | Polarity: | | HORIZONTAL | | | |
|--------------------|-------|---------------------|-------------------|----------------|------------------------|-----------------------------|-------------------------|---------------------------|--------------------------------|--|
| Frequency (MHz) | | sion vel V/m) | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre- amplifier (dB) | Correction Factor (dB/m) | |
| 4882.00 | 60.80 | PK | 74 | 13.20 | 54.64 | 31.2 | 6.61 | 31.65 | 6.16 | |
| 4882.00 | 44.37 | AV | 54 | 9.63 | 38.21 | 31.2 | 6.61 | 31.65 | 6.16 | |
| 7323.00 | 52.44 | PK | 74 | 21.56 | 39.49 | 36.2 | 8.23 | 31.48 | 12.95 | |
| 7323.00 | 43.67 | AV | 54 | 10.33 | 30.72 | 36.2 | 8.23 | 31.48 | 12.95 | |

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| Freque | ncy(MHz) | : | 2441 | | Pola | arity: | VERTICAL | | | |
|--------------------|---------------------|----|-------------------|----------------|------------------------|-----------------------------|-------------------------|---------------------------|--------------------------------|--|
| Frequency (MHz) | Emis Lev (dBu | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre- amplifier (dB) | Correction Factor (dB/m) | |
| 4882.00 | 60.70 | PK | 74 | 13.30 | 54.54 | 31.2 | 6.61 | 31.65 | 6.16 | |
| 4882.00 | 42.41 | AV | 54 | 11.59 | 36.25 | 31.2 | 6.61 | 31.65 | 6.16 | |
| 7323.00 | 53.39 | PK | 74 | 20.61 | 40.44 | 36.2 | 8.23 | 31.48 | 12.95 | |
| 7323.00 | 43.82 | AV | 54 | 10.18 | 30.87 | 36.2 | 8.23 | 31.48 | 12.95 | |

| Frequency(MHz): | | | 2480 | | Polarity: | | HORIZONTAL | | | |
|--------------------|---------------------|----|-------------------|----------------|------------------------|-----------------------------|-------------------------|---------------------------|--------------------------------|--|
| Frequency (MHz) | Emis Lev (dBu | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre- amplifier (dB) | Correction Factor (dB/m) | |
| 4960.00 | 61.82 | PK | 74 | 12.18 | 55.16 | 31.4 | 6.76 | 31.5 | 6.66 | |
| 4960.00 | 41.44 | AV | 54 | 12.56 | 34.78 | 31.4 | 6.76 | 31.5 | 6.66 | |
| 7440.00 | 53.72 | PK | 74 | 20.28 | 40.42 | 36.4 | 8.35 | 31.45 | 13.3 | |
| 7440.00 | 45.63 | AV | 54 | 8.37 | 32.33 | 36.4 | 8.35 | 31.45 | 13.3 | |

| Freque | Frequency(MHz): | | | 2480 | | Polarity: | | VERTICAL | | | |
|-----------|--------------------|--------|--------------|-------|--------------|-------------------|-----------------|-------------------|----------------------|--|--|
| Frequency | Emission Level | | Limit Margin | | Raw Value | Antenna Factor | Cable Factor | Pre- amplifier | Correction Factor | | |
| (MHz) | MHz) (dBuV/m) (dB) | (dBuV) | (dB/m) | (dB) | (dB) | (dB/m) | | | | | |
| 4960.00 | 64.04 | PK | 74 | 9.96 | 57.38 | 31.4 | 6.76 | 31.5 | 6.66 | | |
| 4960.00 | 44.05 | AV | 54 | 9.95 | 37.39 | 31.4 | 6.76 | 31.5 | 6.66 | | |
| 7440.00 | 54.32 | PK | 74 | 19.68 | 41.02 | 36.4 | 8.35 | 31.45 | 13.3 | | |
| 7440.00 | 45.53 | AV | 54 | 8.47 | 32.23 | 36.4 | 8.35 | 31.45 | 13.3 | | |

Remark:

(1) Data of measurement within this frequency range shown "--- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(2) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed.

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6.9. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

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 a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Antenna Connected Construction

The maximum gain of antenna was 3.0 dBi.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen HTT Technology Co., Ltd. does not assume any responsibility.



7. Test Setup Photo

Reference to the **appendix I** for details.

8. EUT Constructional Details

Reference to the **appendix II** for details.

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