

Shenzhen HTT Technology Co., Ltd.

Report No.: HTT202303173F01

TEST Report

Applicant: Shenzhen Green Giant Energy Technology Development

Co.,Ltd

Address of Applicant: 2nd Floor, Building B, Minle industrial Park, Minzhi

Street, Longhua District, shenzhen

Manufacturer: Shenzhen Green Giant Energy Technology Development

Co.,Ltd

Address of 2nd Floor, Building B, Minle industrial Park, Minzhi

Manufacturer: Street,Longhua District,shenzhen

Equipment Under Test (EUT)

Product Name: Bluetooth Dongle

Model No.: LCB7100

Series model: N/A

Trade Mark: N/A

FCC ID: 2A77D-LCB7100

IC: 29100-LCB7100

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

RSS-247 Issue 2 February 2017

RSS-Gen Issue 5

Date of sample receipt: Mar.15,2023

Date of Test: Mar.15,2023~Mar.21,2023

Date of report issued: Mar.21,2023

Test Result: PASS *

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



1. Version

| Version No. | Date | Description |
|-------------|-------------|-------------|
| 00 | Mar.21,2023 | Original |
| | | |
| | | |
| | | |
| | | |

| Tested/ Prepared By | Heber He | Date: | Mar.21,2023 |
|---------------------|----------------------|-------|-------------|
| | Project Engineer | _ | |
| Check By: | Bruce Zhu | Date: | Mar.21,2023 |
| | Reviewer | _ | |
| Approved By : | Kein Yang | Date: | Mar.21,2023 |
| | Authorized Signature | | |



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3. Test Summary

| Test Item | Section in CFR 47 15.247/RSS 247 | Result |
|----------------------------------|---|--------|
| Antenna Requirement | 15.203/15.247 (c) RSS-Gen Issue 5 | Pass |
| AC Power Line Conducted Emission | 15.207 RSS-Gen 8.8 | Pass |
| Conducted Peak Output Power | 15.247 (b)(1) RSS 247 5.4 (2) | Pass |
| 20dB Bandwidth& 99% Bandwidth | 15.247 (a)(1) RSS 247 5.1 (1) RSS-Gen 4.6 | Pass |
| Carrier Frequencies Separation | 15.247 (a)(1) RSS 247 5.1 (2) | Pass |
| Hopping Channel Number | 15.247 (a)(1)(iii) RSS 247 5.1 (4) | Pass |
| Dwell Time | 15.247 (a)(1)(iii) RSS 247 5.1 (4) | Pass |
| Radiated Emission | 15.205/15.209 RSS-Gen 8.9 | Pass |
| Band Edge | 15.247(d) RSS-Gen 8.10 | Pass |
| Spurious RF Conducted Emission | 15.247(d) RSS 247 5.5 | 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 | 30~1000MHz | 3.45 dB | (1) | | |
| Radiated Emission | 1~6GHz | 3.54 dB | (1) | | |
| Radiated Emission | 6~40GHz | 5.38 dB | (1) | | |
| Conducted Disturbance | 0.15~30MHz | 2.66 dB | (1) | | |
| Note (1): The measurement uncertainty 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: | Bluetooth Dongle |
|----------------------|---|
| Model No.: | LCB7100 |
| HVIN: | LCB7100 |
| Test sample(s) ID: | HTT202303173-1(Engineer sample) HTT202303173-2(Normal sample) |
| Operation Frequency: | 2402MHz~2480MHz |
| Channel numbers: | 79 |
| Channel separation: | 1MHz |
| Modulation type: | GFSK, π/4-DQPSK,8-DPSK |
| Antenna Type: | External Antenna |
| Antenna gain: | 3.22dBi |
| Power Supply: | DC 5.0V |



| Operation | Frequency each | n 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 |



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 listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

ISED#: 27952 CAB identifier: CN0128

Shenzhen HTT Technology Co.,Ltd. has been listed by Innovation, Science and Economic Development Canada to perform electromagnetic emission measurement.

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 |

Shenzhen HTT Technology Co.,Ltd.

Tel: 0755-23595200 Fax: 0755-23595201



5. Test Instruments list

| <u>J.</u> | rest mstrume | 110 1101 | T | ı | | 1 |
|-----------|------------------------------------|--|--------------------|-----------|--------------|--------------|
| Item | Test Equipment | Manufacturer | Model No. | Inventory | Cal.Date | Cal.Due date |
| | Toot Equipment | manarataro | | No. | (mm-dd-yy) | (mm-dd-yy) |
| 1 | 3m Semi- Anechoic Chamber | Shenzhen C.R.T technology co., LTD | 9*6*6 | HTT-E028 | Aug. 10 2020 | Aug. 09 2024 |
| 2 | Control Room | Shenzhen C.R.T technology co., LTD | 4.8*3.5*3.0 | HTT-E030 | Aug. 10 2020 | Aug. 09 2024 |
| 3 | EMI Test Receiver | Rohde&Schwar | ESCI7 | HTT-E022 | May 23 2022 | May 22 2023 |
| 4 | Spectrum Analyzer | Rohde&Schwar | FSP | HTT-E037 | May 23 2022 | May 22 2023 |
| 5 | Coaxial Cable | ZDecl | ZT26-NJ-NJ-0.6M | HTT-E018 | May 23 2022 | May 22 2023 |
| 6 | Coaxial Cable | ZDecl | ZT26-NJ-SMAJ-2M | HTT-E019 | May 23 2022 | May 22 2023 |
| 7 | Coaxial Cable | ZDecl | ZT26-NJ-SMAJ-0.6M | HTT-E020 | May 23 2022 | May 22 2023 |
| 8 | Coaxial Cable | ZDecl | ZT26-NJ-SMAJ-8.5M | HTT-E021 | May 23 2022 | May 22 2023 |
| 9 | Composite logarithmic antenna | Schwarzbeck | VULB 9168 | HTT-E017 | May 23 2022 | May 22 2023 |
| 10 | Horn Antenna | Schwarzbeck | BBHA9120D | HTT-E016 | May 23 2022 | May 22 2023 |
| 11 | Loop Antenna | Zhinan | ZN30900C | HTT-E039 | May 23 2022 | May 22 2023 |
| 12 | Horn Antenna | Beijing Hangwei Dayang | OBH100400 | HTT-E040 | May 23 2022 | May 22 2023 |
| 13 | low frequency Amplifier | Sonoma Instrument | 310 | HTT-E015 | May 23 2022 | May 22 2023 |
| 14 | high-frequency Amplifier | HP | 8449B | HTT-E014 | May 23 2022 | May 22 2023 |
| 15 | Variable frequency power supply | Shenzhen Anbiao Instrument Co., Ltd | ANB-10VA | HTT-082 | May 23 2022 | May 22 2023 |
| 16 | EMI Test Receiver | Rohde & Schwarz | ESCS30 | HTT-E004 | May 23 2022 | May 22 2023 |
| 17 | Artificial Mains | Rohde & Schwarz | ESH3-Z5 | HTT-E006 | May 23 2022 | May 22 2023 |
| 18 | Artificial Mains | Rohde & Schwarz | ENV-216 | HTT-E038 | May 23 2022 | May 22 2023 |
| 19 | Cable Line | Robinson | Z302S-NJ-BNCJ-1.5M | HTT-E001 | May 23 2022 | May 22 2023 |
| 20 | Attenuator | Robinson | 6810.17A | HTT-E007 | May 23 2022 | May 22 2023 |
| | Variable frequency power supply | Shenzhen Yanghong Electric Co., Ltd | YF-650 (5KVA) | HTT-E032 | May 23 2022 | May 22 2023 |
| 22 | Control Room | Shenzhen C.R.T technology co., LTD | 8*4*3.5 | HTT-E029 | May 23 2022 | May 22 2023 |
| 23 | DC power supply | Agilent | E3632A | HTT-E023 | May 23 2022 | May 22 2023 |
| 24 | EMI Test Receiver | Agilent | N9020A | HTT-E024 | May 23 2022 | May 22 2023 |
| 25 | Analog signal generator | Agilent | N5181A | HTT-E025 | May 23 2022 | May 22 2023 |
| 26 | Vector signal generator | Agilent | N5182A | HTT-E026 | May 23 2022 | May 22 2023 |
| 27 | Power sensor | Keysight | U2021XA | HTT-E027 | May 23 2022 | May 22 2023 |
| 28 | Temperature and humidity meter | Shenzhen Anbiao Instrument Co., Ltd | TH10R | HTT-074 | May 23 2022 | May 22 2023 |
| 29 | Radiated Emission Test Software | Farad | EZ-EMC | N/A | N/A | N/A |
| 30 | Conducted Emission Test Software | Farad | EZ-EMC | N/A | N/A | N/A |
| 31 | RF Test Software | panshanrf | TST | N/A | N/A | N/A |

Shenzhen HTT Technology Co.,Ltd.

Tel: 0755-23595200 Fax: 0755-23595201



6. Test results and Measurement Data

6.1. Conducted Emissions

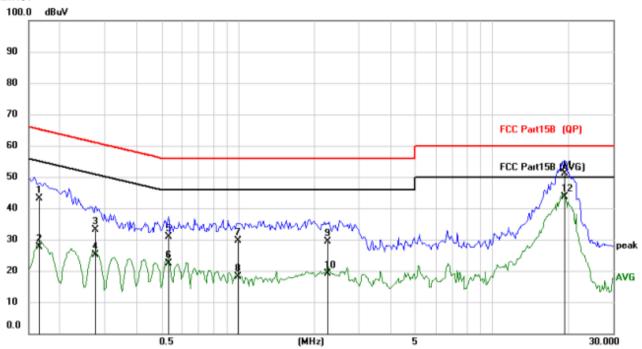
| | <u></u> | | | | |
|-----------------------|---|----------------|------------------|--|--|
| Test Requirement: | FCC Part15 C Section 15.207/RSS-Gen 8.8 | | | | |
| Test Method: | ANSI C63.10:2013 | | | | |
| Test Frequency Range: | 150KHz to 30MHz | | | | |
| Class / Severity: | Class B | | | | |
| Receiver setup: | RBW=9KHz, VBW=30KHz, S | weep time=auto | | | |
| Limit: | Frequency range (MHz) | Limit | (dBuV) | | |
| | | Quasi-peak | Average | | |
| | 0.15-0.5 | 66 to 56* | 56 to 46* | | |
| | 0.5-5 | 56 | 46 | | |
| | * Decreases with the logarithm | 60 | 50 | | |
| Test setup: | | | | | |
| Test procedure: | Reference Plane LISN | | | | |
| | positions of equipment and according to ANSI C63.10 | | | | |
| Test Instruments: | Refer to section 6.0 for details | S | | | |
| Test mode: | Refer to section 5.2 for details | S | | | |
| Test environment: | Temp.: 25 °C Hui | mid.: 52% | Press.: 1012mbar | | |
| Test voltage: | AC 120V, 60Hz | • | <u>'</u> | | |
| Test results: | Pass | | | | |
| | | | | | |

Remark: Both high and low voltages have been tested to show only the worst low voltage test data.



Measurement data:

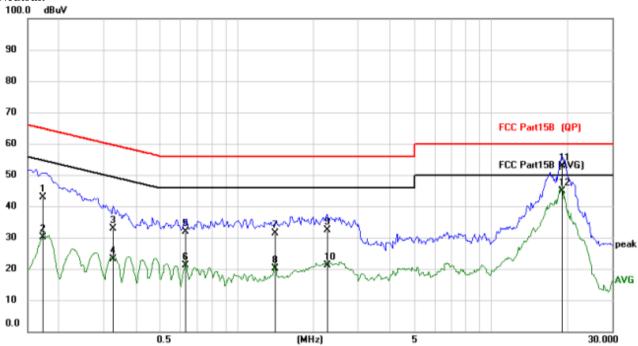
Line:



| No Mk | From | Reading | Correct | Measure- | Limit | Over | |
|---------|---------|---------|---------|----------|---------|--------|----------|
| No. Mk. | Freq. | Level | Factor | ment | Littill | Ovei | |
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector |
| 1 | 0.1641 | 32.69 | 10.38 | 43.07 | 65.25 | -22.18 | QP |
| 2 | 0.1641 | 17.24 | 10.38 | 27.62 | 55.25 | -27.63 | AVG |
| 3 | 0.2748 | 22.76 | 10.40 | 33.16 | 60.97 | -27.81 | QP |
| 4 | 0.2748 | 14.77 | 10.40 | 25.17 | 50.97 | -25.80 | AVG |
| 5 | 0.5322 | 20.45 | 10.49 | 30.94 | 56.00 | -25.06 | QP |
| 6 | 0.5322 | 12.01 | 10.49 | 22.50 | 46.00 | -23.50 | AVG |
| 7 | 0.9997 | 18.75 | 10.90 | 29.65 | 56.00 | -26.35 | QP |
| 8 | 0.9997 | 7.26 | 10.90 | 18.16 | 46.00 | -27.84 | AVG |
| 9 | 2.2367 | 18.61 | 10.83 | 29.44 | 56.00 | -26.56 | QP |
| 10 | 2.2367 | 8.36 | 10.83 | 19.19 | 46.00 | -26.81 | AVG |
| 11 | 19.2236 | 38.77 | 12.35 | 51.12 | 60.00 | -8.88 | QP |
| 12 * | 19.2236 | 31.34 | 12.35 | 43.69 | 50.00 | -6.31 | AVG |
| | | | | | | | |







| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|---------|---------|------------------|-------------------|------------------|-------|--------|----------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector |
| 1 | 0.1722 | 32.59 | 10.24 | 42.83 | 64.85 | -22.02 | QP |
| 2 | 0.1722 | 19.94 | 10.24 | 30.18 | 54.85 | -24.67 | AVG |
| 3 | 0.3255 | 22.55 | 10.26 | 32.81 | 59.57 | -26.76 | QP |
| 4 | 0.3255 | 12.89 | 10.26 | 23.15 | 49.57 | -26.42 | AVG |
| 5 | 0.6297 | 21.26 | 10.54 | 31.80 | 56.00 | -24.20 | QP |
| 6 | 0.6297 | 10.53 | 10.54 | 21.07 | 46.00 | -24.93 | AVG |
| 7 | 1.4058 | 20.69 | 10.81 | 31.50 | 56.00 | -24.50 | QP |
| 8 | 1.4058 | 9.29 | 10.81 | 20.10 | 46.00 | -25.90 | AVG |
| 9 | 2.2726 | 21.62 | 10.83 | 32.45 | 56.00 | -23.55 | QP |
| 10 | 2.2726 | 10.32 | 10.83 | 21.15 | 46.00 | -24.85 | AVG |
| 11 | 19.0407 | 40.46 | 12.44 | 52.90 | 60.00 | -7.10 | QP |
| 12 * | 19.0407 | 32.40 | 12.44 | 44.84 | 50.00 | -5.16 | AVG |

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



6.2. Conducted Peak Output Power

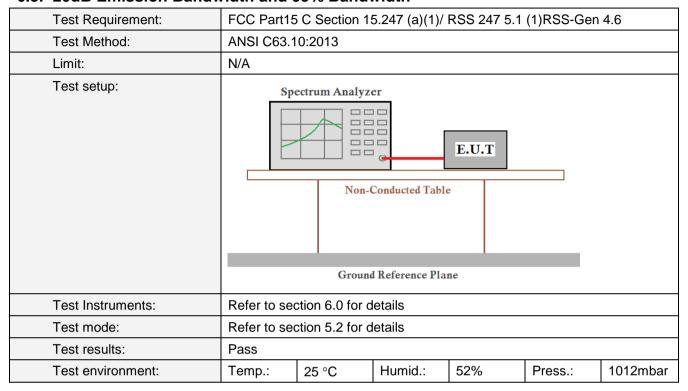
| Test Requirement: | FCC Part15 | FCC Part15 C Section 15.247 (b)(1)/ RSS 247 5.4 (2) | | | | | | | |
|-------------------|--|---|-------------|-----|---------|----------|--|--|--|
| Test Method: | ANSI C63.1 | ANSI C63.10:2013 | | | | | | | |
| Limit: | 30dBm(for | GFSK),20.97 | dBm(for EDF | ₹) | | | | | |
| Test setup: | Power sensor and Spectrum analyzer E.U.T Non-Conducted Table | | | | | | | | |
| | | Ground Reference Pla | ane | | | | | | |
| Test Instruments: | Refer to se | ction 6.0 for c | letails | | | | | | |
| Test mode: | Refer to section 5.2 for details | | | | | | | | |
| Test results: | Pass | | | | | | | | |
| Test environment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar | | | |

Measurement Data

| Mode | Test channel | Peak Output Power (dBm) | Limit (dBm) | Result |
|-----------|--------------|----------------------------|-------------|--------|
| | Lowest | 0.35 | | |
| GFSK | Middle | -1.84 | 30.00 | Pass |
| | Highest | -2.83 | | |
| | Lowest | 0.33 | | |
| π/4-DQPSK | Middle | -1.81 | 20.97 | Pass |
| | Highest | -2.77 | | |
| | Lowest | 0.31 | | |
| 8-DPSK | Middle | -1.80 | 20.97 | Pass |
| | Highest | -2.85 | | |



6.3. 20dB Emission Bandwidth and 99% Bandwidth



Measurement Data

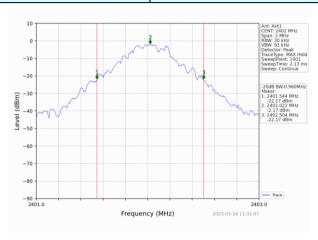
| Mode | Test channel | 20dB Bandwidth (MHz) | 99% bandwidth (MHz) | Result |
|-----------|--------------|----------------------|---------------------|--------|
| | Lowest | 0.960 | 0.880 | |
| GFSK | Middle | 0.956 | 0.864 | Pass |
| | Highest | 0.963 | 0.859 | |
| | Lowest | 1.273 | 1.156 | |
| π/4-DQPSK | Middle | 1.249 | 1.135 | Pass |
| | Highest | 1.244 | 1.129 | |
| | Lowest | 1.290 | 1.161 | |
| 8-DPSK | Middle | 1.273 | 1.146 | Pass |
| | Highest | 1.276 | 1.140 | |

Test plot as follows:

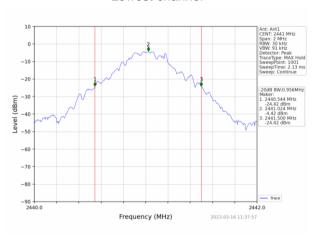


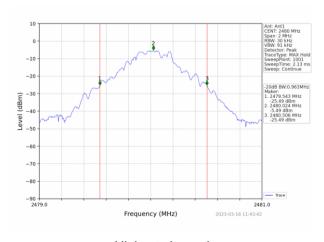
20dB Bandwidth

Test mode: GFSK mode



Lowest channel

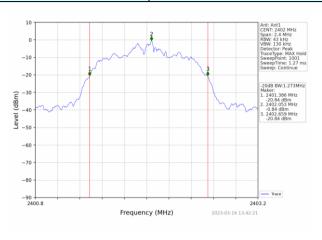




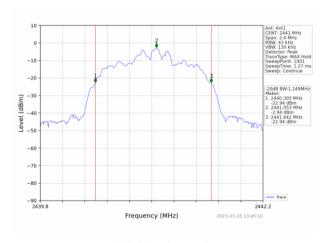
Highest channel

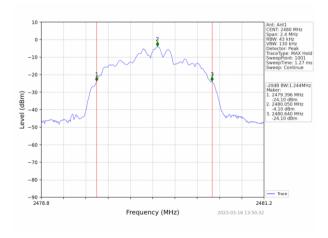


Test mode: $\pi/4$ -DQPSK mode



Lowest channel

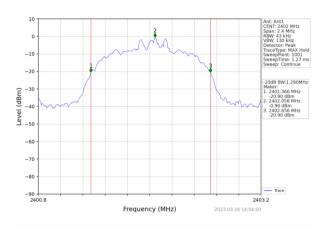




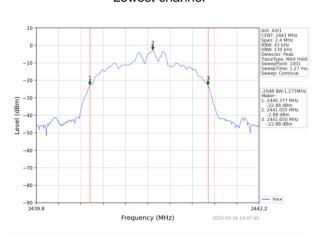
Highest channel

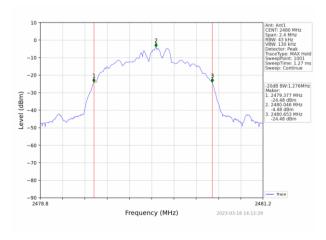


Test mode: 8-DPSK mode



Lowest channel



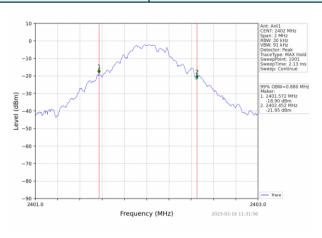


Highest channel

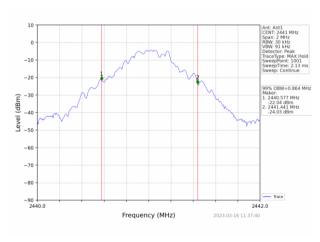


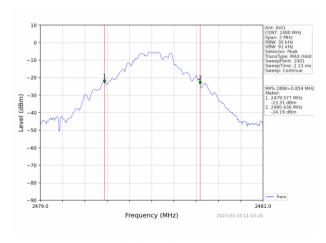
99% bandwidth

Test mode: GFSK mode



Lowest channel

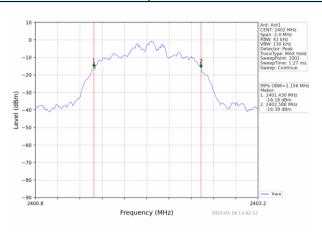




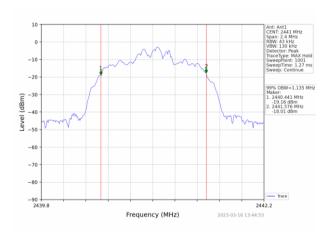
Highest channel

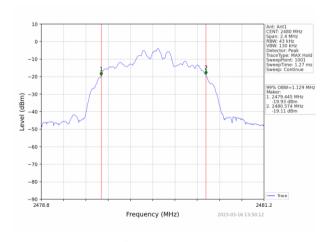


Test mode: $\pi/4$ -DQPSK mode



Lowest channel

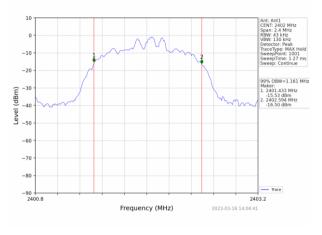




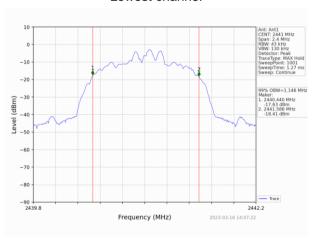
Highest channel

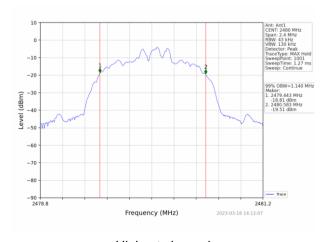


Test mode: 8-DPSK mode



Lowest channel





Highest channel



6.4. Frequencies Separation

| Test Requirement: | FCC Part15 C Section 15.247 (a)(1)/ RSS 247 5.1 (2) | | | | | | | | |
|-------------------|---|--|---------|-----|---------|----------|--|--|--|
| Test Method: | | ANSI C63.10:2013 | | | | | | | |
| Receiver setup: | | RBW=100KHz, VBW=300KHz, detector=Peak | | | | | | | |
| Limit: | | GFSK: 20dB bandwidth π/4-DQPSK : 0.025MHz or 2/3 of the 20dB bandwidth (whichever is | | | | | | | |
| Test setup: | Sp | | | | | | | | |
| 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 | | | |

Measurement Data

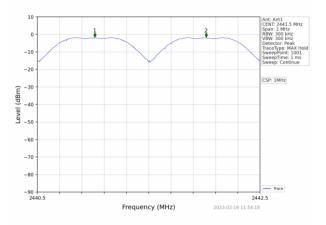
| Wieasurement Date | - | | | |
|-------------------|--------------|------------------------------|-------------|--------|
| Mode | Test channel | Frequencies Separation (MHz) | Limit (kHz) | Result |
| | | | 25KHz or | |
| GFSK | Middle | 1.000 | 2/3*20dB | Pass |
| | | | bandwidth | |
| | | | 25KHz or | |
| π/4-DQPSK | Middle | 1.001 | 2/3*20dB | Pass |
| | | | bandwidth | |
| | | | 25KHz or | |
| 8DPSK | Middle | 0.998 | 2/3*20dB | Pass |
| | | | bandwidth | |
| | | | | |

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

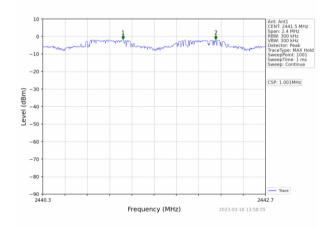


Test plot as follows:

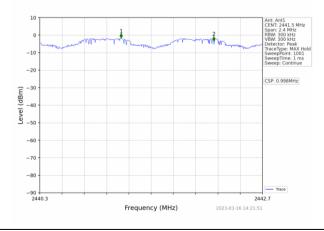
Modulation mode: GFSK



Test mode: $\pi/4$ -DQPSK



Test mode: 8-DPSK





6.5. Hopping Channel Number

| Test Requirement: | FCC Part15 | FCC Part15 C Section 15.247 (a)(1)(iii)/ RSS 247 5.1 (4) | | | | | | |
|-------------------|--|--|---------|-----|---------|----------|--|--|
| Test Method: | ANSI C63.10:2013 | | | | | | | |
| Receiver setup: | RBW=100kHz, VBW=300kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak | | | | | | | |
| Limit: | 15 channels | 3 | | | | | | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | | | | | | | |
| Test Instruments: | Refer to sec | ction 6.0 for d | etails | | | | | |
| Test mode: | Refer to section 5.2 for details | | | | | | | |
| Test results: | Pass | | | | | | | |
| Test environment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar | | |

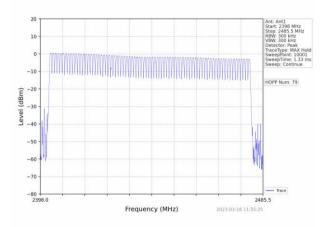
Measurement Data:

| Mode | Hopping channel numbers | Limit | Result |
|-----------|-------------------------|-------|--------|
| GFSK | 79 | | Pass |
| π/4-DQPSK | 79 | ≥15 | Pass |
| 8-DPSK | 79 | | Pass |

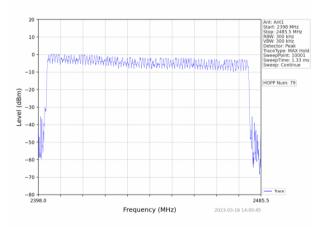


Test plot as follows:

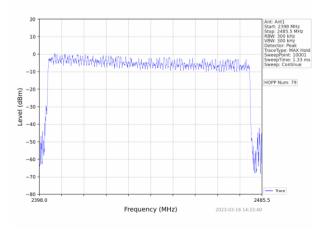
Test mode: GFSK



Test mode: $\pi/4$ -DQPSK



Test mode: 8-DPSK



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6.6. Dwell Time

| Test Requirement: | FCC Part15 C Section 15.247 (a)(1)(iii)/ RSS 247 5.1 (4) | | | | | | | | |
|-------------------|--|---|---------|-----|---------|----------|--|--|--|
| Test Method: | ANSI C63.10 | ANSI C63.10:20 13 | | | | | | | |
| Receiver setup: | RBW=1MHz | RBW=1MHz, VBW=1MHz, Span=0Hz, Detector=Peak | | | | | | | |
| Limit: | 0.4 Second | | | | | | | | |
| Test setup: | Spe | | | | | | | | |
| 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 | | | |



Measurement Data

| Modulation | Packet | Burst time (ms) | Dwell time (ms) | Limit (ms) | Result |
|------------|--------|--------------------|--------------------|------------|--------|
| | DH1 | 0.386 | 42.074 | | |
| GFSK | DH3 | 1.642 | 87.026 | 400 | Pass |
| | DH5 | 2.890 | 127.160 | | |
| | 2-DH1 | 0.394 | 40.582 | | |
| π/4-DQPSK | 2-DH3 | 1.648 | 108.768 | 400 | Pass |
| | 2-DH5 | 2.896 | 144.800 | | |
| | 3-DH1 | 0.396 | 49.104 | | |
| 8-DPSK | 3-DH3 | 1.646 | 100.406 | 400 | Pass |
| | 3-DH5 | 2.896 | 144.800 | | |

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

Dwell time=Pulse time (ms) x (1600 \div 2 \div 79) x31.6 Second for DH1, 2-DH1, 3-DH1

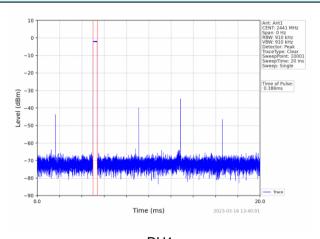
Dwell time=Pulse time (ms) \times (1600 \div 4 \div 79) \times 31.6 Second for DH3, 2-DH3, 3-DH3

Dwell time=Pulse time (ms) \times (1600 \div 6 \div 79) \times 31.6 Second for DH5, 2-DH5, 3-DH5

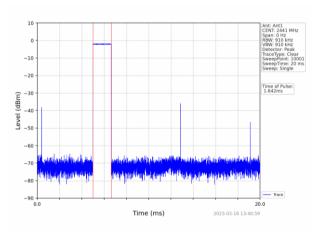


Test plot as follows:

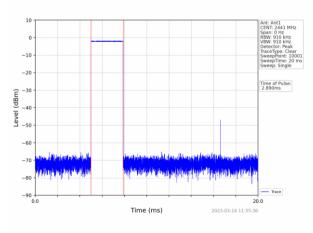
GFSK mode







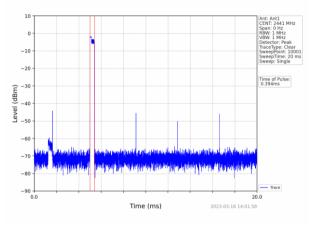
DH3



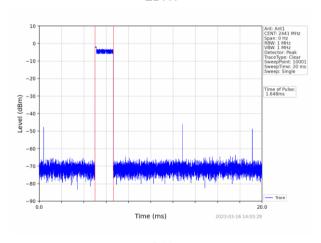
DH5



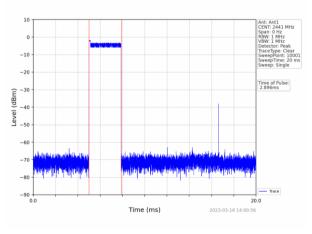
π/4-DQPSK mode



2DH1

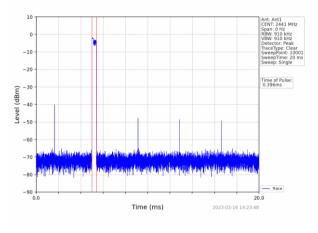


2DH3

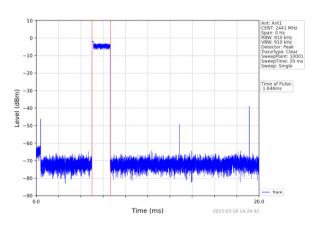




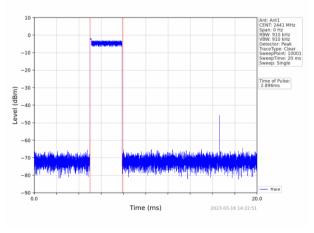
8-DPSK mode



2DH1



2DH3





6.7. Band Edge

6.7.1. Conducted Emission Method

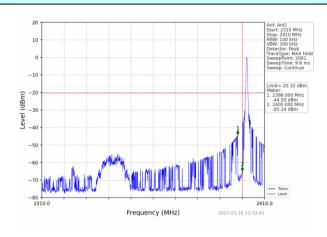
| Test Requirement: | FCC Part1 | FCC Part15 C Section 15.247 (d)/ RSS-Gen 8.10 | | | | | | | |
|-------------------|--|---|--------------|----------|---------|----------|--|--|--|
| Test Method: | ANSI C63. | ANSI C63.10:2013 | | | | | | | |
| Receiver setup: | RBW=100k | KHz, VBW=30 | 00kHz, Detec | tor=Peak | | | | | |
| Limit: | spectrum ir produced b 100 kHz ba desired pov | 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: | Spec | Spectrum Analyzer E.U.T Non-Conducted Table | | | | | | | |
| Test Instruments: | Refer to se | Refer to section 6.0 for details | | | | | | | |
| Test mode: | Refer to se | Refer to section 5.2 for details | | | | | | | |
| Test results: | Pass | | | | | | | | |
| Test environment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar | | | |

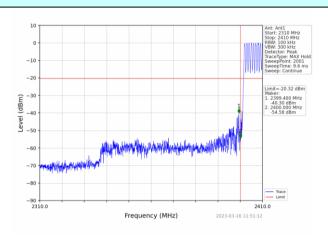


Test plot as follows: GFSK Mode:

Test channel

Lowest channel



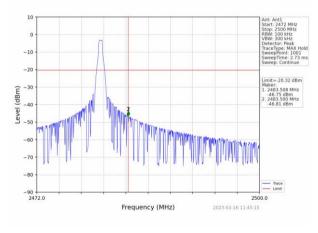


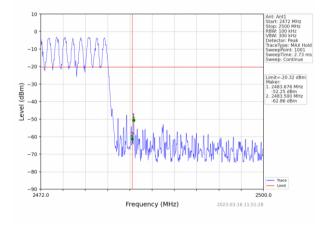
No-hopping mode

Hopping mode

Test channel:

Highest channel





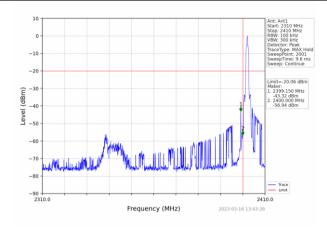
No-hopping mode

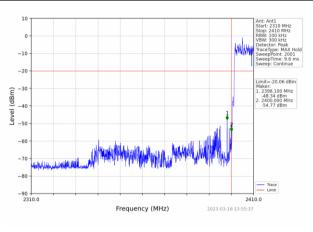
Hopping mode



π/4-DQPSK Mode:

Test channel Lowest channel



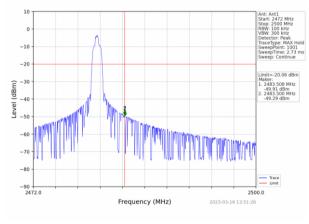


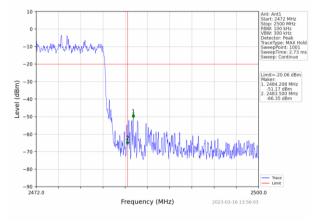
No-hopping mode

Hopping mode

Test channel:

Highest channel





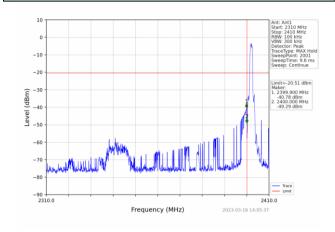
No-hopping mode

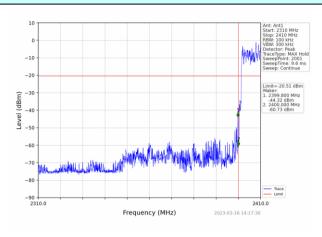
Hopping mode



8-DPSK Mode:

Test channel Lowest channel



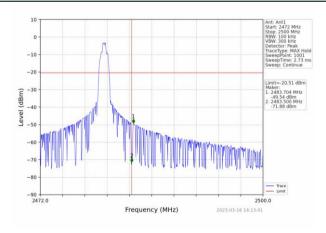


No-hopping mode

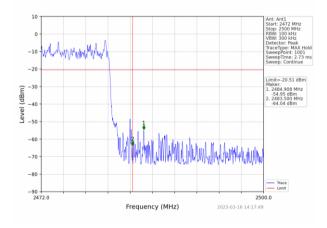
Hopping mode

Test channel:

Highest channel



No-hopping mode



Hopping mode



6.7.2. Radiated Emission Method

| 0.7.2. Radiated Lillission Wethod | | | | | | | | |
|-----------------------------------|---|--|---------|--------------|--------------|--------------|---------------------|--|
| Test Requirement: | FCC Part15 | FCC Part15 C Section 15.209 and 15.205/RSS-Gen 8.9 | | | | | | |
| Test Method: | ANSI C63.10 | ANSI C63.10:2013 | | | | | | |
| Test Frequency Range: | | All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed. | | | | | | |
| Test site: | Measureme | nt Distance: | 3m | | | | | |
| Receiver setup: | Frequenc | | | RBW | VBW | | emark | |
| | Above 1GH | Hz Pea | | 1MHz 1MHz | 3MHz 10Hz | | k Value ge Value | |
| Limit: | Fre | quency | L | _imit (dBuV/ | | | emark | |
| | Abov | ve 1GHz | | 54.0 74.0 | | | ge Value k Value | |
| Test setup: | | Test Antenna- Company Company | | | | | | |
| Test Procedure: | 1 The FUT | was placed | | | eamplifier | lo 1.5 motor | e above the | |
| | The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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 sec | tion 6.0 for c | letails | | | | | |
| Test mode: | Refer to sec | tion 5.2 for c | letails | | | | | |
| Test results: | Pass | | ı | | т | | T | |
| Test environment: | Temp.: | 25 °C | Humi | d.: 52% | , D | Press.: | 1012mbar | |

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Measurement Data

Remark: GFSK, Pi/4 DQPSK and 8DPSK all have been tested, only worse case GFSK is reported.

Operation Mode: GFSK TX Low channel(2402MHz)

Horizontal (Worst case)

| TIONZONIAI (WOIGI GAGO) | | | | | | | | | |
|-------------------------|-----------|---------------|----------|------------|--------|----------------|----------|--------|----------|
| | Frequency | Meter Reading | Antenna | | Preamp | Emissies Level | 1 114- | Margin | Detector |
| | | | Factor | Cable Loss | Factor | Emission Level | Limits | | |
| | (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| | (1411 12) | (αΒμν) | (dD/III) | (dD) | (GD) | (аБру/пі) | (аБрулп) | (GD) | |
| | 2390 | 57.76 | 26.20 | 5.72 | 33.30 | 56.38 | 74.00 | -17.62 | peak |
| | | 00 | 20.20 | 0 | 00.00 | 00.00 | | 2 | Podit |
| | 2390 | 44.96 | 26.20 | 5.72 | 33.30 | 43.58 | 54.00 | -10.42 | AVG |
| | | 1 | | J | | 10.00 | | | |

Vertical:

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits | Margin | Detector |
|-----------|---------------|-------------------|------------|------------------|----------------|----------|--------|----------|
| | | Facioi | Cable Luss | Factor | | | | |
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 2390 | 59.87 | 26.20 | 5.72 | 33.30 | 58.49 | 74.00 | -15.51 | peak |
| 2390 | 46.26 | 26.20 | 5.72 | 33.30 | 44.88 | 54.00 | -9.12 | AVG |

Operation Mode: GFSK TX High channel (2480MHz)

Horizontal (Worst case)

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits | Margin | Detector | |
|-----------|---------------|-------------------|------------|------------------|----------------|----------|--------|----------|--|
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type | |
| 2483.5 | 55.63 | 28.60 | 6.97 | 32.70 | 58.50 | 74.00 | -15.50 | peak | |
| 2483.5 | 42.96 | 28.60 | 6.97 | 32.70 | 45.83 | 54.00 | -8.17 | AVG | |

Vertical:

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits | Margin | Detector | |
|-----------|---------------|-------------------|------------|------------------|----------------|----------|--------|----------|--|
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type | |
| 2483.5 | 57.10 | 28.60 | 6.97 | 32.70 | 59.97 | 74.00 | -14.03 | peak | |
| 2483.5 | 43.07 | 28.60 | 6.97 | 32.70 | 45.94 | 54.00 | -8.06 | AVG | |

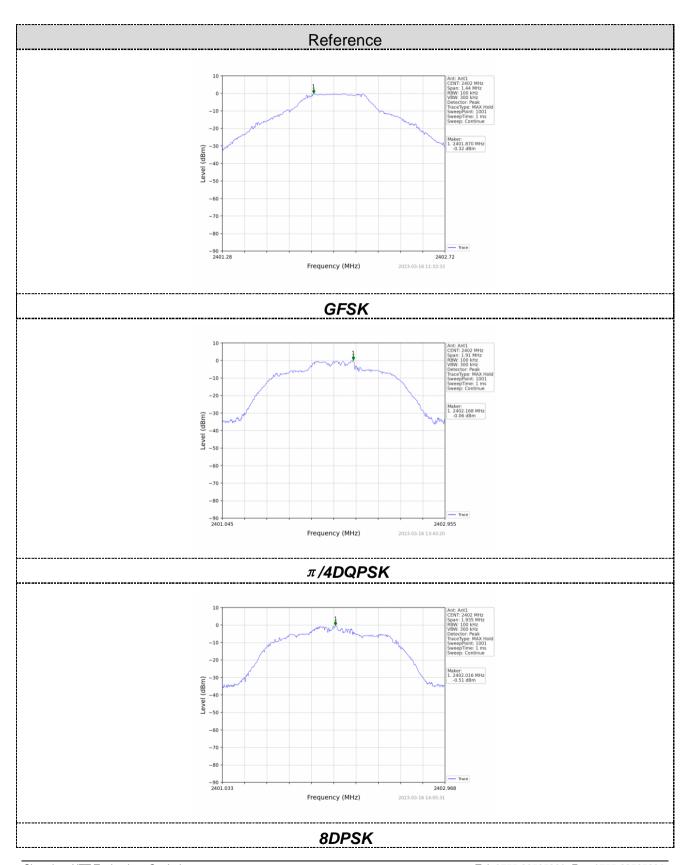


6.8. Spurious Emission

6.8.1. Conducted Emission Method

| Test Requirement: | 5.247 (d)/ RS | SS 247 5.5 | | | | | | |
|-------------------|---|----------------------------------|--|--|--|---|--|--|
| 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 Non-Conducted Table Ground Reference Plane | | | | | | | |
| Test Instruments: | Refer to se | 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 | | | | | | | |

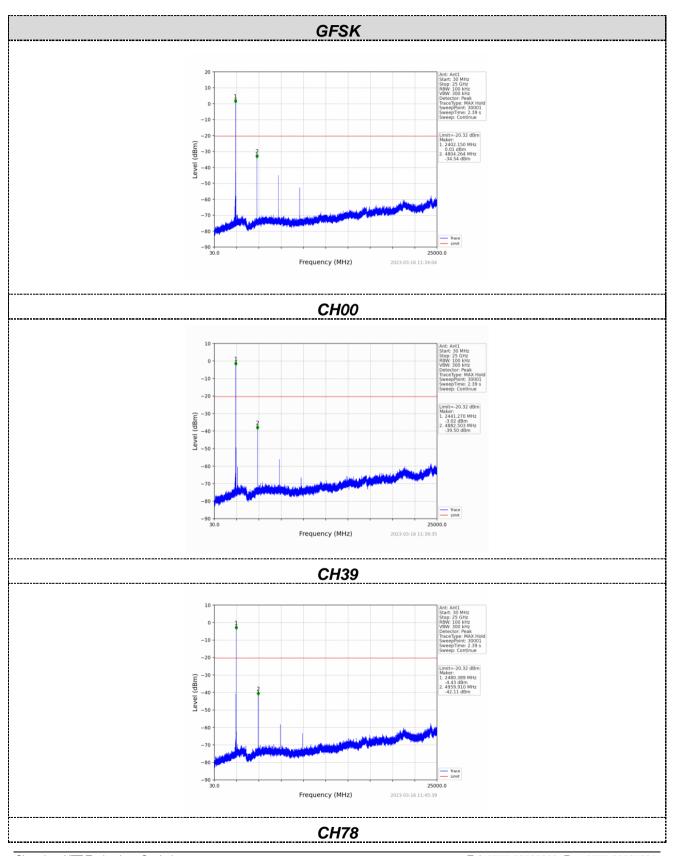




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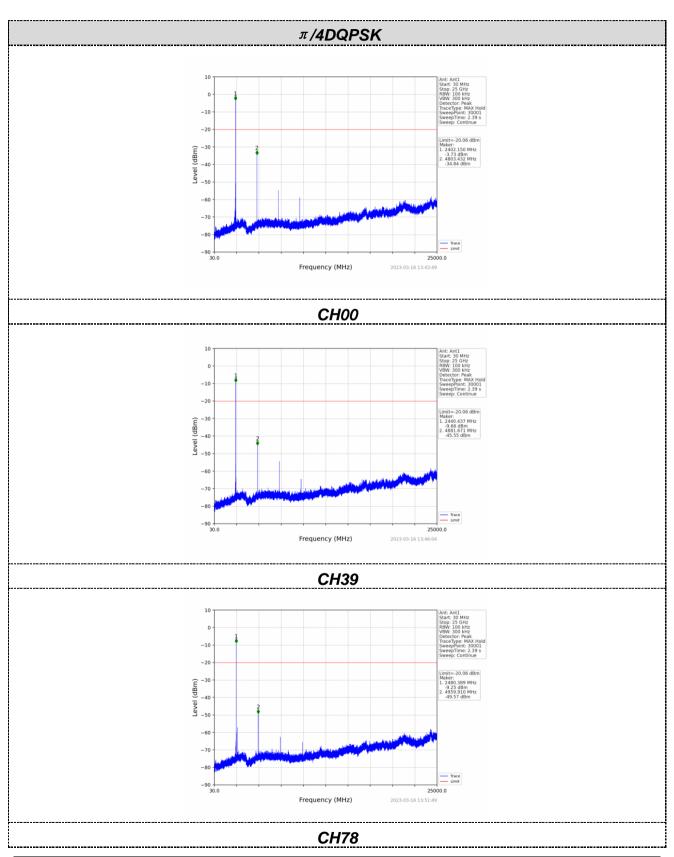
Tel: 0755-23595200 Fax: 0755-23595201





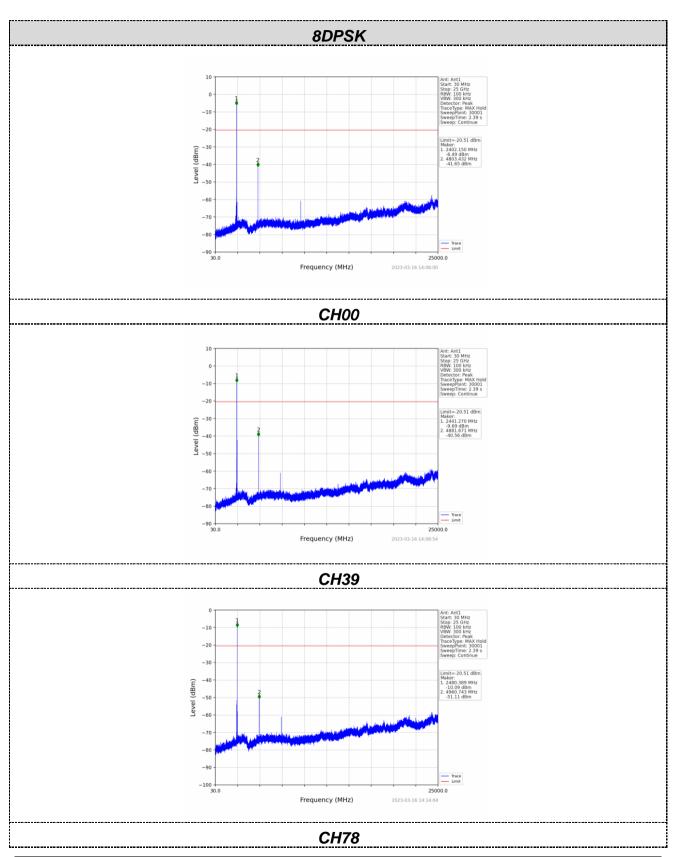
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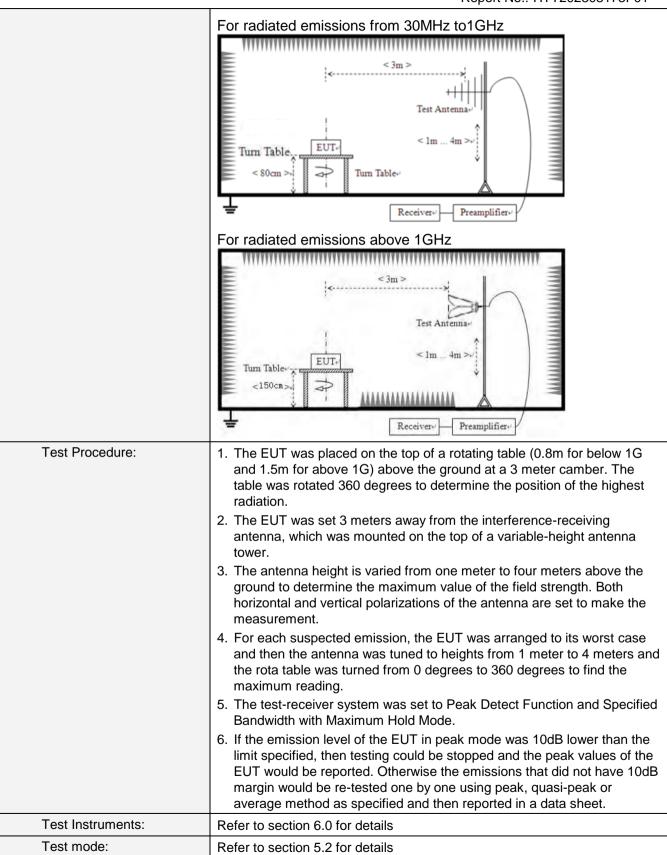
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6.8.2. Radiated Emission Method

| Test Requirement: | FCC Part15 C Section | on 15 | 5.209 /RSS- | Gen 8. | 9 | | | |
|-----------------------|----------------------|----------|---------------|--------------|------|-------|----------|-------------------------|
| Test Method: | ANSI C63.10:2013 | | | | | | | |
| Test Frequency Range: | 9kHz to 25GHz | | | | | | | |
| Test site: | Measurement Distar | nce: 3 | 3m | | | | | |
| Receiver setup: | Frequency | | Detector RBV | | Ν | VBW | ' | Value |
| | 9KHz-150KHz | Qı | ıasi-peak | 200H | Ηz | 600H: | z | Quasi-peak |
| | 150KHz-30MHz | Q | ıasi-peak | 9KF | łz | 30KH | z | Quasi-peak |
| | 30MHz-1GHz | Q | ıasi-peak | 120K | Ήz | 300KH | lz | Quasi-peak |
| | Above 1GHz | | Peak | 1MF | Ηz | 3MHz | Z | Peak |
| | Above 1GHz | | Peak | 1MF | Ηz | 10Hz | <u>'</u> | Average |
| Limit: | Frequency | | Limit (u\ | //m) | ٧ | 'alue | M | leasurement Distance |
| | 0.009MHz-0.490M | Hz | 2400/F(k | (Hz) | | QP | | 300m |
| | 0.490MHz-1.705M | Hz | 24000/F(| 00/F(KHz) | | QP | | 30m |
| | 1.705MHz-30MHz 30 | | | QP | | | 30m | |
| | 30MHz-88MHz | | 100 | | | QP | | |
| | 88MHz-216MHz | <u>'</u> | 150 | | | QP | | |
| | 216MHz-960MH | Z | 200 | | | QP | | 3m |
| | 960MHz-1GHz | | 500 | | QP | | | Om |
| | Above 1GHz | 500 | | Average | | | | |
| | 710000 10112 | | 5000 | | Peak | | | |
| Test setup: | For radiated emiss | sions | from 9kH | z to 30 | МН | Z | | |
| | Turn Table EUT | | < 3m > Test A | ntenna 1m |) | | | |





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| Test environment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar | | |
|-------------------|------------|---------------|---------|-----|---------|----------|--|--|
| Test voltage: | AC 120V, 6 | AC 120V, 60Hz | | | | | | |
| Test results: | Pass | | | | | | | |

Measurement data:

Remarks:

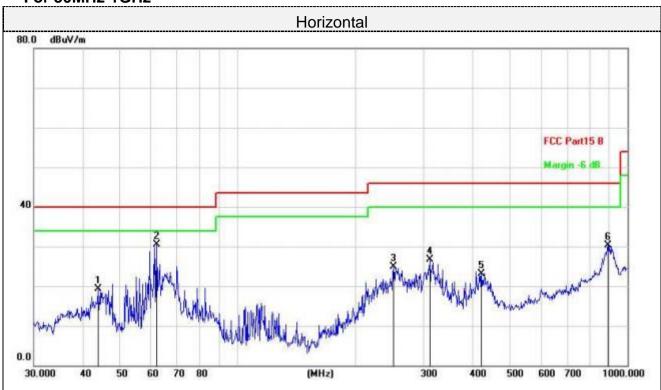
- 1. During the test, pre-scan the GFSK, $\pi/4$ -DQPSK and 8DPSK modulation, and found the GFSK modulation which it is worse case.
- 2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

■ 9kHz~30MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.



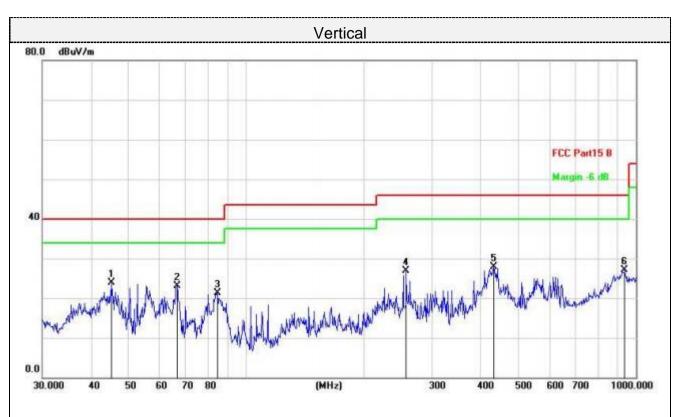
For 30MHz-1GHz



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------------------|------------------|-------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dB/m | dB | Detector |
| 1 | | 43.8119 | 36.61 | -17.27 | 19.34 | 40.00 | -20.66 | QP |
| 2 | * | 61.9951 | 49.06 | -18.50 | 30.56 | 40.00 | -9.44 | QP |
| 3 | | 251.1804 | 43.76 | -18.76 | 25.00 | 46.00 | -21.00 | QP |
| 4 | | 311.0867 | 43.97 | -17.29 | 26.68 | 46.00 | -19.32 | QP |
| 5 | | 422.0577 | 37.13 | -14.05 | 23.08 | 46.00 | -22.92 | QP |
| 6 | | 890.7278 | 35.29 | -4.93 | 30.36 | 46.00 | -15.64 | QP |

Final Level =Receiver Read level + Correct Factor





| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------------------|------------------|-------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dB/m | dB | Detector |
| 1 | * | 45.2165 | 41.17 | -17.22 | 23.95 | 40.00 | -16.05 | QP |
| 2 | | 66.4989 | 42.52 | -19.32 | 23.20 | 40.00 | -16.80 | QP |
| 3 | | 84.4054 | 43.28 | -21.97 | 21.31 | 40.00 | -18.69 | QP |
| 4 | | 257.4221 | 45.65 | -18.71 | 26.94 | 46.00 | -19.06 | QP |
| 5 | | 432.5457 | 41.93 | -14.02 | 27.91 | 46.00 | -18.09 | QP |
| 6 | | 935.5461 | 31.79 | -4.65 | 27.14 | 46.00 | -18.86 | QP |

Final Level =Receiver Read level + Correct Factor



For 1GHz to 25GHz

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

CH Low (2402MHz)

Horizontal:

| | nizoritai. | | | | | | | |
|---------------|-------------------|-----------------|-------------------------------------|--------|----------------|----------|--------|----------|
| | | Antenna | | Preamp | | | | |
| Frequency | Meter Reading | Factor | Cable Loss | Factor | Emission Level | Limits | Margin | |
| | | | | | | | | Detector |
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| | | | | | | | | |
| 4804 | 52.34 | 31.40 | 8.18 | 31.50 | 60.42 | 74.00 | -13.58 | peak |
| | | | | | | | | |
| 4804 | 38.45 | 31.40 | 8.18 | 31.50 | 46.53 | 54.00 | -7.47 | AVG |
| | | | | | | | | |
| 7206 | 46.25 | 35.80 | 10.83 | 31.40 | 61.48 | 74.00 | -12.52 | peak |
| | | | | | | | | |
| 7206 | 29.03 | 35.80 | 10.83 | 31.40 | 44.26 | 54.00 | -9.74 | AVG |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Remark: Facto | or = Antenna Fact | tor + Cable Los | s – Pre-amplifier | | | | | |

Vertical:

| | 1 | A 1 | | D | | | | |
|-----------|---------------|---------|------------|--------|----------------|----------|--------|----------|
| | | Antenna | | Preamp | | | | |
| Frequency | Meter Reading | Factor | Cable Loss | Factor | Emission Level | Limits | Margin | |
| | _ | | | | | | | Detector |
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| ` ' | ' ' | , , | ` ′ | , , | | ` ' | ` ' | |
| 4804 | 52.33 | 31.40 | 8.18 | 31.50 | 60.41 | 74.00 | -13.59 | peak |
| | | | | | | | | |
| 4804 | 37.12 | 31.40 | 8.18 | 31.50 | 45.20 | 54.00 | -8.80 | AVG |
| | | | | | | | | |
| 7206 | 43.65 | 35.80 | 10.83 | 31.40 | 58.88 | 74.00 | -15.12 | peak |
| | | | | | | | | |
| 7206 | 28.57 | 35.80 | 10.83 | 31.40 | 43.80 | 54.00 | -10.20 | AVG |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | l l | | 1 | | | | | |



CH Middle (2441MHz)

Horizontal:

| | | Antenna | | Preamp | | | | |
|-----------|---------------|---------|------------|--------|----------------|----------|--------|----------|
| Frequency | Meter Reading | Factor | Cable Loss | Factor | Emission Level | Limits | Margin | |
| | | | | | | | | Detector |
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4882 | 51.24 | 31.40 | 9.17 | 32.10 | 59.71 | 74.00 | -14.29 | peak |
| 4882 | 36.85 | 31.40 | 9.17 | 32.10 | 45.32 | 54.00 | -8.68 | AVG |
| 7323 | 44.96 | 35.80 | 10.83 | 31.40 | 60.19 | 74.00 | -13.81 | peak |
| 7323 | 29.54 | 35.80 | 10.83 | 31.40 | 44.77 | 54.00 | -9.23 | AVG |
| | | | | | | | | |
| | | | | | | | | |

Vertical:

| | | Antenna | | Preamp | | | | |
|---------------|------------------|------------------|------------------|--------|----------------|----------|--------|----------|
| Frequency | Meter Reading | Factor | Cable Loss | Factor | Emission Level | Limits | Margin | |
| | | | | | | | | Detector |
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| | | | | | | | | |
| 4882 | 52.41 | 31.40 | 9.17 | 32.10 | 60.88 | 74.00 | -13.12 | peak |
| | | | | | | | | |
| 4882 | 37.45 | 31.40 | 9.17 | 32.10 | 45.92 | 54.00 | -8.08 | AVG |
| 7000 | 40.00 | 0= 00 | 40.00 | 0.4.40 | | 74.00 | | |
| 7323 | 43.62 | 35.80 | 10.83 | 31.40 | 58.85 | 74.00 | -15.15 | peak |
| 7323 | 29.68 | 35.80 | 10.83 | 31.40 | 44.91 | 54.00 | -9.09 | AVG |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Remark: Facto | or = Antenna Fac | tor + Cable I os | s _ Pre-amplifie | | | | | |



CH High (2480MHz)

Horizontal:

| | | Antenna | | Preamp | | | | |
|-----------|---------------|---------|------------|--------|----------------|----------|--------|----------|
| Frequency | Meter Reading | Factor | Cable Loss | Factor | Emission Level | Limits | Margin | |
| | | | | | | | | Detector |
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4960 | 50.86 | 31.40 | 9.17 | 32.10 | 59.33 | 74.00 | -14.67 | peak |
| 4960 | 37.45 | 31.40 | 9.17 | 32.10 | 45.92 | 54.00 | -8.08 | AVG |
| 7440 | 43.65 | 35.80 | 10.83 | 31.40 | 58.88 | 74.00 | -15.12 | peak |
| 7440 | 28.55 | 35.80 | 10.83 | 31.40 | 43.78 | 54.00 | -10.22 | AVG |
| | | | | | | | | |
| | | | | | | | | |

Vertical:

| | | Antenna | | Preamp | | | | |
|-----------|---------------|---------|------------|--------|----------------|----------|--------|----------|
| Frequency | Meter Reading | Factor | Cable Loss | Factor | Emission Level | Limits | Margin | |
| | | | | | | | | Detector |
| (MHz) | (dBµV) | (dB/m) | (dB) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| 4960 | 52.41 | 31.40 | 9.17 | 32.10 | 60.88 | 74.00 | -13.12 | peak |
| 4960 | 38.05 | 31.40 | 9.17 | 32.10 | 46.52 | 54.00 | -7.48 | AVG |
| 7440 | 44.11 | 35.80 | 10.83 | 31.40 | 59.34 | 74.00 | -14.66 | peak |
| 7440 | 28.70 | 35.80 | 10.83 | 31.40 | 43.93 | 54.00 | -10.07 | AVG |
| | | | | | | | | |
| | | | | | | | | |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier.

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.



7. Test Setup Photo

Reference to the appendix I for details.

8. EUT Constructional Details

Reference to the appendix II for details.

