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| тг | | | |
|--|---|------------------------------|--|
| 10 | ST REPORT | | |
| | For Bluetooth-LE | | |
| Report No: | CHTW25010003 Repo | ort Verification: | |
| Project No | SHT2208194505EW | | |
| FCC ID | 2BMO425DGKWLB01L | | |
| Applicant's name: | Dongguan Kangweile Electroni | c Technology Co., Ltd. | |
| Address: | 4th Floor, Building D, Yizhong Sci Jinsha 2nd Road | ence and Technology Park, 83 | |
| Product Name | Arm type electronic sphygmom | anometer | |
| Trade Mark | VILECO | | |
| Model No | KWL-B01L | | |
| Listed Model(s) | - | | |
| Standard: | FCC CFR Title 47 Part 15 Subpart C § 15.247 | | |
| Date of receipt of test sample | Oct.30, 2024 | | |
| Date of testing | Dec.13, 2024 - Dec.19, 2024 | | |
| Date of issue: | Jan.07, 2025 | | |
| Result | PASS | | |
| Compiled by | | Co Dat Ch | |
| (Position+Printed name+Signature): | File administrators Caspar Chen | Cas en Chen | |
| Supervised by (Position+Printed name+Signature): | Project Engineer Caspar Chen | Caspar Chen | |
| Approved by (Position+Printed name+Signature): | RF Manager Xu Yang | In. Yong | |
| Testing Laboratory Name: | Shenzhen Huatongwei Internati | onal Inspection Co., Ltd. | |
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| Shenzhen Huatongwei International Inspe | - | | |
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Report No.:

CHTW25010003

Date of issue:

2025-01-07

1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- FCC CFR Title 47 Part 15 Subpart C § 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
- ANSI C63.10:2020: American National Standard for Testing Unlicensed Wireless Devices
- <u>KDB 558074 D01 15.247 Meas Guidance v05r02</u>: Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating under Section 15.247 of The FCC Rules

1.2. Report version

| Revision No. | Date of issue | Description |
|--------------|---------------|-------------|
| N/A | 2025-01-07 | Original |
| | | |
| | | |
| | | |
| | | |

2. TEST DESCRIPTION

| Report clause | Test Items | Standard Requirement | Result | Test Engineer |
|------------------|--|-------------------------|--------------------|---------------|
| 5.1 | Antenna Requirement | 15.203/15.247(c) | PASS | Xiangyu Wei |
| 5.2 | AC Conducted Emission | 15.207 | N/A | - |
| 5.3 | Peak Output Power | 15.247(b)(3) | PASS | Xiangyu Wei |
| 5.4 | Power Spectral Density | 15.247(e) | PASS | Xiangyu Wei |
| 5.5 | 6dB Bandwidth | 15.247(a)(2) | PASS | Xiangyu Wei |
| 5.6 | 99% Occupied Bandwidth | - | PASS ^{*1} | Xiangyu Wei |
| 5.7 | Duty cycle | - | PASS ^{*1} | Xiangyu Wei |
| 5.8 | Conducted Band Edge and Spurious Emission | 15.247(d)/15.205 | PASS | Xiangyu Wei |
| 5.9 | Radiated Band Edge Emission | 15.205/15.209 | PASS | Yifan Wang |
| 5.10 | Radiated Spurious Emission | 15.247(d)/15.205/15.209 | PASS | Yifan Wang |

Note:

- The measurement uncertainty is not included in the test result.

- *1: No requirement on standard, only report these test data.

– N/A: Not Applicable

3. SUMMARY

3.1. Client Information

| Applicant: | Dongguan Kangweile Electronic Technology Co., Ltd. |
|---------------|--|
| Address: | 4th Floor, Building D, Yizhong Science and Technology Park, 83 Jinsha 2nd Road |
| Manufacturer: | Dongguan Kangweile Electronic Technology Co., Ltd. |
| Address: | 4th Floor, Building D, Yizhong Science and Technology Park, 83 Jinsha 2nd Road |

3.2. Product Description

| Main unit information: | | |
|-----------------------------|--------------------------------------|--|
| Product Name: | Arm type electronic sphygmomanometer | |
| Trade Mark: | VILECO | |
| Model No.: | KWL-B01L | |
| Listed Model(s): | - | |
| Power supply: | DC 3.7V from Battery | |
| Hardware version: | V1.0 | |
| Software version: | V1.0 | |
| Accessory unit information: | | |
| Battery information: | YL 602030 1.295Mh 3.7V 350mAh 2411 | |

3.3. Radio Specification Description

| Bluetooth version: | V5.0 |
|----------------------|---------------------|
| Support function: | BLE |
| Modulation: | GFSK |
| Operation frequency: | 2402MHz~2480MHz |
| Channel number: | 40 |
| Channel separation: | 2MHz |
| Antenna type: | Onboard PCB antenna |
| Antenna gain: | 0 dBi |

| Laboratory Name | Shenzhen Huatongwei International Inspection Co., Ltd. | |
|----------------------|--|----------------------|
| Laboratory Location | Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China | |
| Contact information: | Phone: 86-755-26715499 E-mail: <u>cs@szhtw.com.cn</u> <u>http://www.szhtw.com.cn</u> | |
| | Туре | Accreditation Number |
| Qualifications | FCC Registration Number | 762235 |
| | FCC Designation Number | CN1181 |

4.1. Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channels which were tested. The Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the below blue front.

| Channel | Frequency (MHz) |
|---------|-----------------|
| 00 | 2402 |
| 01 | 2404 |
| | |
| 19 | 2440 |
| | |
| 38 | 2478 |
| 39 | 2480 |

4.2. Descriptions of Test mode

For RF test items

The engineering test program was provided and enabled to make EUT continuous transmit.

For Radiated spurious emissions:

The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data Recorded in the report.

4.3. Test sample information

| Test item | HTW sample no. | |
|-------------------------|--|--|
| RF Conducted test items | Please refer to the description in the appendix report | |
| RF Radiated test items | YPHT22081945023 | |
| EMI test items | - | |

Note:

RF Conducted test items: Peak Output Power, Power Spectral Density, 6dB Bandwidth, 99% Occupied Bandwidth, Duty cycle, Conducted Band Edge and Spurious Emission

RF Radiated test items: Radiated Band Edge Emission, Radiated Spurious Emission EMI test items: AC Conducted Emission

4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

| Whether support unit is used? | | | |
|-------------------------------|-----------|------------|-----------|
| 🗸 No | | | |
| Item | Equipment | Trade Name | Model No. |
| 1 | | | |
| 2 | | | |

4.5. Testing environmental condition

| Туре | Requirement | Actual |
|--------------------|--------------|----------|
| Temperature: | 15~35°C | 25°C |
| Relative Humidity: | 25~75% | 50% |
| Air Pressure: | 860~1060mbar | 1000mbar |

4.6. Statement of the measurement uncertainty

| No. | Test Items | Measurement Uncertainty |
|-----|---|-------------------------|
| 1 | AC Conducted Emission | 3.21dB |
| 2 | Peak Output Power | 1.07 |
| 3 | Power Spectral Density | 1.07 |
| 4 | 6dB Bandwidth | 0.002% |
| 5 | 99% Occupied Bandwidth | 0.002% |
| 6 | Duty cycle | - |
| 7 | Conducted Band Edge and Spurious Emission | 1.68dB |
| 8 | Radiated Band Edge Emission | 4.54dB for 30MHz-1GHz |
| Ŭ | | 5.10dB for above 1GHz |
| 9 | Padiated Spurious Emission | 4.54dB for 30MHz-1GHz |
| 9 | Radiated Spurious Emission | 5.10dB for above 1GHz |

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

Page:

| • | RF Conducted test item | | | | | | | | | | |
|------|------------------------------------|--------------|---------------|-----------|------------|------------------------------|------------------------------|--|--|--|--|
| Used | Test Equipment | Manufacturer | Equipment No. | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) | | | | |
| • | Signal and spectrum Analyzer | R&S | HTWE0242 | FSV40 | 100048 | 2024/08/27 | 2025/08/26 | | | | |
| • | Signal & Spectrum Analyzer | R&S | HTWE0262 | FSW26 | 103440 | 2024/08/21 | 2025/08/20 | | | | |
| • | Vector signal generator | R&S | HTWE0244 | SMBV100A | 260790 | 2024/5/25 | 2025/5/24 | | | | |
| • | Test software | Tonscend | N/A | JS1120 | N/A | N/A | N/A | | | | |

4.7. Equipment Used during the Test

| • | Radiated emission- 9kHz~30MHz | | | | | | | | | | |
|------|-------------------------------|--------------------|---------------|-----------|------------|------------------------------|------------------------------|--|--|--|--|
| Used | Test Equipment | Manufacturer | Equipment No. | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) | | | | |
| • | Semi-Anechoic Chamber | Albatross projects | HTWE0127 | SAC-3m-02 | C11121 | 2023/04/06 | 2026/04/05 | | | | |
| • | EMI Test Receiver | R&S | HTWE0099 | ESCI 7 | 100900 | 2024/08/12 | 2025/08/11 | | | | |
| • | Loop Antenna | R&S | HTWE0170 | HFH2-Z2 | 100020 | 2024/04/08 | 2027/04/07 | | | | |
| • | Test Software | R&S | N/A | EMC32 | N/A | N/A | N/A | | | | |

| • | Radiated emission- 30MHz~1GHz | | | | | | | | | | |
|------|-------------------------------|--------------------|---------------|-----------|------------|------------------------------|------------------------------|--|--|--|--|
| Used | Test Equipment | Manufacturer | Equipment No. | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) | | | | |
| • | Semi-Anechoic Chamber | Albatross projects | HTWE0127 | SAC-3m-02 | C11121 | 2023/04/06 | 2026/04/05 | | | | |
| • | EMI Test Receiver | R&S | HTWE0099 | ESCI 7 | 100900 | 2024/08/12 | 2025/08/11 | | | | |
| • | Ultra-Broadband Antenna | SCHWARZBECK | HTWE0119 | VULB9163 | 546 | 2023/02/22 | 2026/02/21 | | | | |
| • | Pre-Amplifer | SCHWARZBECK | HTWE0295 | BBV 9742 | / | 2024/5/24 | 2025/5/23 | | | | |
| • | Test Software | R&S | N/A | EMC32 | N/A | N/A | N/A | | | | |

| • | Radiated emission- Above 1GHz | | | | | | | | | | |
|------|-------------------------------|--------------------|---------------|---------------|------------|------------------------------|------------------------------|--|--|--|--|
| Used | Test Equipment | Manufacturer | Equipment No. | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) | | | | |
| • | Semi-Anechoic Chamber | Albatross projects | HTWE0122 | SAC-3m-01 | C11121 | 2023/04/17 | 2026/04/16 | | | | |
| • | Spectrum Analyzer | R&S | HTWE0098 | FSP40 | 100597 | 2024/08/12 | 2025/08/11 | | | | |
| • | Spectrum Analyzer | R&S | HTWE0385 | N9020A | MY54486658 | 2024/08/12 | 2025/0811 | | | | |
| • | Horn Antenna | SCHWARZBECK | HTWE0126 | BBHA 9120D | 1011 | 2023/02/14 | 2026/02/13 | | | | |
| • | Pre-Amplifer | CD | HTWE0071 | PAP-0102 | 12004 | 2024/06/06 | 2025/06/05 | | | | |
| • | Broadband Pre- amplifier | SCHWARZBECK | HTWE0551 | SCU18F | 100855 | 2024/06/06 | 2025/06/05 | | | | |
| • | Test Software | Audix | N/A | E3 | N/A | N/A | N/A | | | | |

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

REQUIREMENT

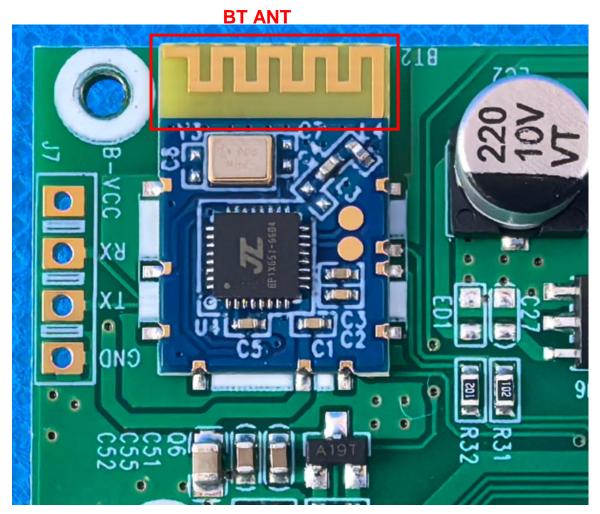
FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responseble 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.

TEST RESULT

☑ Passed □ Not Applicable

The antenna type is a PCB antenna, please refer to the below antenna photo.



5.2. AC Conducted Emission

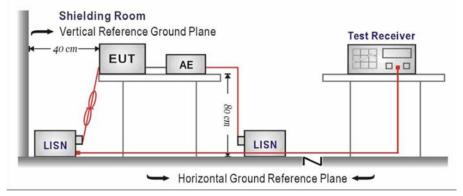
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

| | Limit (dBuV) | | | | | |
|-----------------------|--------------|-----------|--|--|--|--|
| Frequency range (MHz) | Quasi-peak | Average | | | | |
| 0.15-0.5 | 66 to 56* | 56 to 46* | | | | |
| 0.5-5 | 56 | 46 | | | | |
| 5-30 | 60 | 50 | | | | |

* Decreases with the logarithm of the frequency.

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup according to ANSI C63.10 requirements.
- The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

TEST MODE

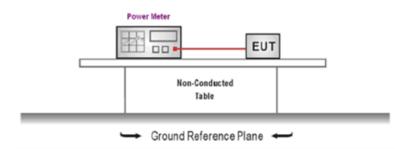
Refer to the clause 4.2

TEST RESULT

5.3. Peak Output Power

LIMIT FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): 30dBm

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.10 and KDB 558074 D01 requirements.
- 2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
- 3. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.
- 4. Record the measurement data.

TEST MODE

Refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST DATA

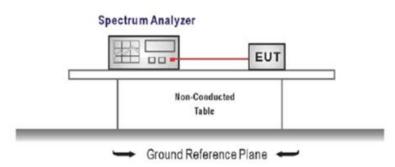
5.4. Power Spectral Density

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e):

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input,
- Configure the spectrum analyzer as shown below: Center frequency=DTS channel center frequency Span =1.5 times the DTS bandwidth RBW = 3 kHz ≤ RBW ≤ 100 kHz, VBW ≥ 3 × RBW Sweep time = auto couple Detector = peak Trace mode = max hold
 Place the radio in continuous transmit mode, allow the
- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
- 4. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 5. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST MODE

Refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST DATA Refer to the appendix report 14 of 30

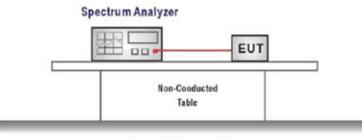
5.5. 6dB bandwidth

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2):

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

TEST CONFIGURATION



Ground Reference Plane

TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =DTS channel center frequency

Span=2 x DTS bandwidth

 $RBW = 100 \text{ kHz}, VBW \ge 3 \times RBW$

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

TEST MODE

Refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST DATA Refer to the appendix report 15 of 30

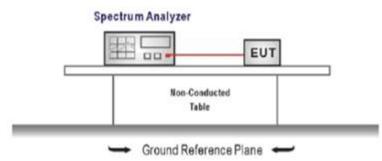
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2025-01-07

<u>LIMIT</u>

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =channel center frequency Span≥1.5 x OBW RBW = 1%~5%OBW VBW ≥ 3 × RBW Sweep time= auto couple Detector = Peak Trace mode = max hold

3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.

TEST MODE

Refer to the clause 4.2

TEST RESULT

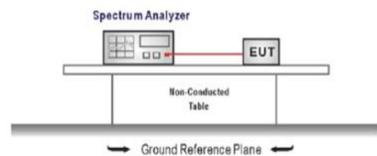
☑ Passed □ Not Applicable

TEST DATA

5.7. Duty Cycle

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings:

Span=zero span, Frequency=centered channel, RBW= 1 MHz, VBW ≥ RBW Sweep=as necessary to capture the entire dwell time,

Detector function = peak, Trigger mode

4. Measure and record the duty cycle data

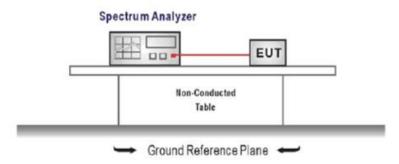
TEST MODE

Refer to the clause 4.2

TEST DATA

FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Emission level measurement

Set the center frequency and span to encompass frequency range to be measured

RBW = 100 kHz, VBW ≥ 3 x RBW

Detector = peak, Sweep time = auto couple, Trace mode = max hold

Allow trace to fully stabilize

Use the peak marker function to determine the maximum amplitude level.

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

TEST MODE

Refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST DATA

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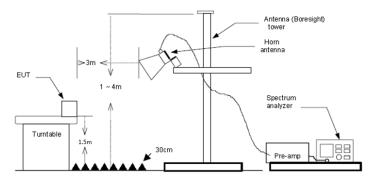
5.9. Radiated Band edge Emission

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
- 5. Use the following spectrum analyzer settings:
 - a) Span shall wide enough to fully capture the emission being measured
 - b) Set RBW=100kHz for <1GHz, VBW=3*RBW, Sweep time=auto, Detector=peak, Trace=max hold
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- − VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

TEST MODE

Refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m).

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Page:

| est channel CH00 | | Polarit | Polarity | | | Horizontal | | | |
|------------------|------------------|-------------------|---------------|-------------|--------------|-----------------|-----------------|---------------|--------|
| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
| 1 | 2310.00 | 43.07 | 27.86 | 3.95 | 41.18 | 33.70 | 74.00 | -40.30 | Peak |
| 2 | 2390.03 | 47.52 | 27.54 | 4.08 | 41.11 | 38.03 | 74.00 | -35.97 | Peak |

| Test channel | | CH00 | | | Polarity | / | | Vertical | |
|--------------|------------------|-------------------|---------------|-------------|--------------|-----------------|-----------------|---------------|--------|
| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
| 1 | 2310.00 | 44.65 | 27.86 | 3.95 | 41.18 | 35.28 | 74.00 | -38.72 | Peak |
| 2 | 2390.03 | 49.11 | 27.54 | 4.08 | 41.11 | 39.62 | 74.00 | -34.38 | Peak |

| Test channel | | CH39 | | | Polarity | | | Horizontal | |
|--------------|------------------|-------------------|---------------|-------------|--------------|-----------------|-----------------|---------------|--------|
| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
| 1 | 2483.50 | 55.02 | 27.33 | 4.18 | 41.04 | 45.49 | 74.00 | -28.51 | Peak |
| 2 | 2500.00 | 44.27 | 27.30 | 4.20 | 41.02 | 34.75 | 74.00 | -39.25 | Peak |

| Test channel | | CH39 | | | Polarity | / | | Vertical | |
|--------------|------------------|-------------------|---------------|-------------|--------------|-----------------|-----------------|---------------|--------|
| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
| 1 | 2483.50 | 56.38 | 27.33 | 4.18 | 41.04 | 46.85 | 74.00 | -27.15 | Peak |
| 2 | 2500.00 | 45.37 | 27.30 | 4.20 | 41.02 | 35.85 | 74.00 | -38.15 | Peak |

5.10. Radiated Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

| Frequency | Limit (dBuV/m) | Value |
|----------------------|-------------------|------------|
| 0.009 MHz ~0.49 MHz | 2400/F(kHz) @300m | Quasi-peak |
| 0.49 MHz ~ 1.705 MHz | 24000/F(kHz) @30m | Quasi-peak |
| 1.705 MHz ~30 MHz | 30 @30m | Quasi-peak |

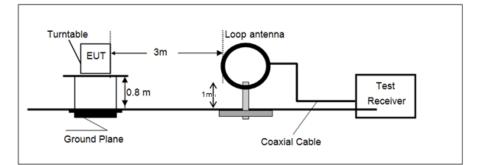
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)= Limit dBuV/m @300m +80,

Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3)= Limit dBuV/m @30m + 40.

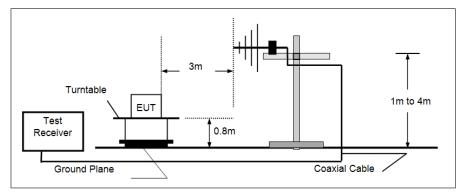
| Frequency | Limit (dBuV/m @3m) | Value | |
|---------------|--------------------|------------|--|
| 30MHz~88MHz | 40.00 | Quasi-peak | |
| 88MHz~216MHz | 43.50 | Quasi-peak | |
| 216MHz~960MHz | 46.00 | Quasi-peak | |
| 960MHz~1GHz | 54.00 | Quasi-peak | |
| Above 1GHz | 54.00 | Average | |
| | 74.00 | Peak | |

TEST CONFIGURATION

➢ 9 kHz ~ 30 MHz

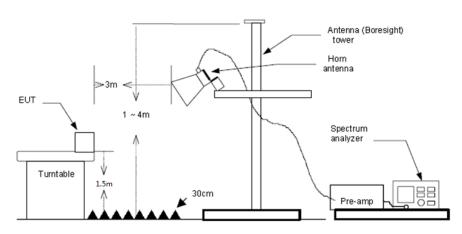


> 30 MHz ~ 1 GHz



Above 1 GHz

21 of 30



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
 - a) Span shall wide enough to fully capture the emission being measured;
 - b) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- − VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

TEST MODE

Refer to the clause 4.2

TEST RESULT

Passed

Not Applicable

Note:

- 1) Level= Reading + Factor/Transd; Factor/Transd = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

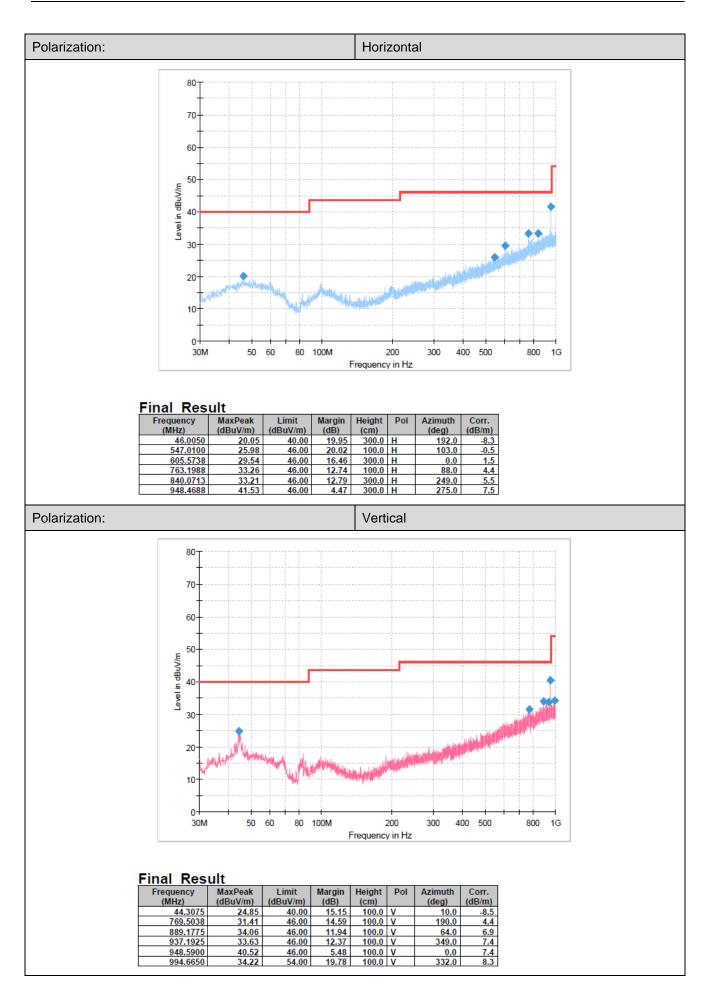
For 9 kHz ~ 30 MHz

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

For 30 MHz ~ 1000 MHz

Have pre-scan all test channel, found CH39 which it was worst case, so only show the worst case's data on this report.





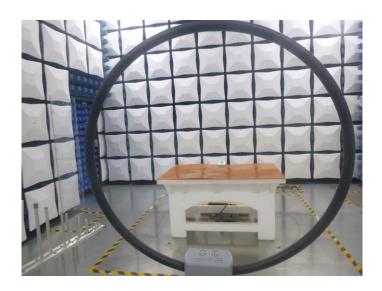
For 1 GHz ~ 25 GHz

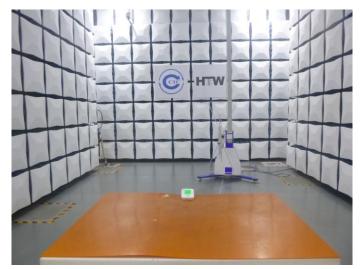
| Test channel | | CH00 | | | Polar | ity | | Horizo | ntal |
|--------------|------------------|-------------------|---------------|-------------|--------------|-----------------|-----------------|---------------|---------|
| | | | | | | | | | |
| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | dBuV/m | Limit dBuV/m | Over limit | Remark |
| 1 | 2995.54 | 59.87 | 28.50 | 4.53 | 48.95 | 51.95 | 74.00 | -22.05 | Peak |
| 2 | 4809.50 | 51.38 | 31.28 | 5.89 | 40.28 | 48.27 | 74.00 | -25.73 | Peak |
| 3 | 7209.00 | 46.40 | 36.00 | 7.52 | 39.69 | 50.23 | 54.00 | -3.77 | Average |
| 4 | 7209.02 | 49.29 | 36.00 | 7.52 | 39.69 | 53.12 | 74.00 | -20.88 | Peak |
| 5 | 10507.31 | 41.97 | 40.00 | 9.00 | 40.21 | 50.76 | 74.00 | -23.24 | Peak |
| Test channel | | CH00 | | | Polar | ity | | Vertica | al |
| | | | | | | | | | |
| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
| 1 | 2987.92 | 58.13 | 28.50 | 4.53 | 40.96 | 50.20 | 74.00 | -23.80 | Peak |
| 2 | 4256.33 | 54.24 | 30.03 | 5.79 | 40.47 | 49.59 | 74.00 | -24.41 | Peak |
| 3 | 4809.50 | 52.57 | 31.28 | 5.89 | 40.28 | 49.46 | 74.00 | -24.54 | Peak |
| 4 | 4983.99 | 53.20 | 31.34 | 5.99 | 48.21 | 50.32 | 74.00 | -23.68 | Peak |

| est channel | | CH19 | | | Polari | ty | | Horizor | ntal |
|-------------|----------------|-------------------|---------------|-------------|--------------|-----------------|-----------------|-----------------|--------|
| Mark | Frequency | Reading | Antenna | Cable | Preamp | | Limit | Over | Remark |
| | MHZ 2995.54 | dBuV/m 58.39 | dB 28.50 | dB 4.53 | dB 40.95 | dBuV/m 50.47 | dBuV/m 74.00 | limit -23.53 | Peak |
| 1 | 4883.52 | 51.57 | 31.20 | 5.93 | 40.25 | 48.45 | 74.00 | -25.55 | Peak |
| 2 | 7319.96 | 47.46 | 36.14 | 7.63 | 39.82 | 51.41 | 74.00 | -22.59 | Peak |
| 4 | 11486.41 | 41.87 | 40.49 | 9.19 | 40.21 | 51.34 | 74.00 | -22.66 | Peak |
| est channel | | CH19 | | | Polari | ty | | Vertica | |
| Mark | Frequency | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
| 1 | 2995.54 | 57.22 | 28.50 | 4.53 | 40.95 | 49.30 | 74.00 | -24.70 | Peak |
| 2 | 4883.52 | 52.94 | 31.20 | 5.93 | 40.25 | 49.82 | 74.00 | -24.18 | Peak |
| 3 | 4996.69 | 52.12 | 31.39 | 6.00 | 40.20 | 49.31 | 74.00 | -24.69 | Peak |
| 4 | 9759.59 | 42.99 | 39.30 | 8.60 | 39.85 | 51.04 | 74.00 | -22.96 | Peak |

| Fest channel | | CH39 | | | Polari | ty | | Horizon | tal |
|--------------|------------------|-------------------|---------------|-------------|--------------|-----------------|-----------------|---------------|--------|
| Mark | Frequency | Reading | Antenna dB | Cable dB | Preamp | Level | Limit | Over limit | Remark |
| 1 | MHZ 2995.54 | dBuV/m 58.70 | 28.50 | 4.53 | 40.95 | dBuV/m 50.78 | dBuV/m 74.00 | -23.22 | Peak |
| 2 | 3983.75 | 47.79 | 29.77 | 5.41 | 40.33 | 42.64 | 74.00 | -31.36 | Peak |
| 3 | 4958.68 | 52.48 | 31.23 | 5.97 | 40.22 | 49.46 | 74.00 | -24.54 | Peak |
| 4 | 7451.57 | 46.89 | 36.20 | 7.75 | 39.92 | 50.92 | 74.00 | -23.08 | Peak |
| est channel | | CH39 | | | Polari | ty | | Vertical | |
| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
| 1 | 2995.54 | 57.78 | 28.50 | 4.53 | 40.95 | 49.86 | 74.00 | -24.14 | Peak |
| 2 | 3983.75 | 55.00 | 29.77 | 5.41 | 40.33 | 49.85 | 74.00 | -24.15 | Peak |
| з | 4958.68 | 52.92 | 31.23 | 5.97 | 40.22 | 49.90 | 74.00 | -24.10 | Peak |
| | 6974.36 | 48.18 | 35.00 | 7.38 | 39.46 | 51.10 | 74.00 | -22.90 | Peak |

Radiated Emission





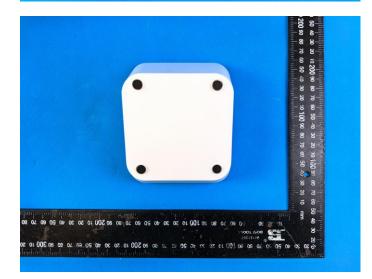




7. EXTERNAL AND INTERNAL PHOTOS

7.1. External Photos





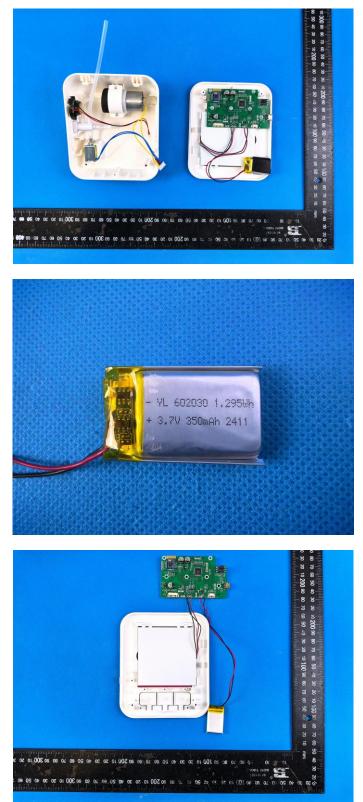


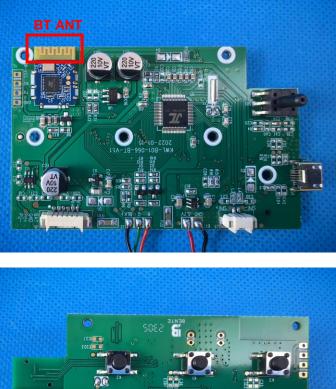






7.2. Internal Photos







8. APPENDIX REPORT

APPENDIX REPORT

| Project No. | SHT2208194505EW | Radio Specification | Bluetooth BLE |
|-----------------|-----------------|---------------------|---------------|
| Test sample No. | YPHT22081945022 | Model No. | KWL-B01L |
| Start test date | 2024-12-18 | Finish date | 2024-12-18 |
| Temperature | 22.2 ℃ | Humidity | 41% |
| Test Engineer | Xiangyu Wei | Auditor | Xiaodong Zheo |

| Appendix clause | Test item | Result |
|--------------------|--|--------|
| A | Peak Output Power | PASS |
| В | Power Spectral Density | PASS |
| С | 6 dB Bandwidth | PASS |
| D | 99% Occupied Bandwidth | PASS |
| E | Duty cycle | PASS |
| F | Band edge and Spurious Emissions (conducted) | PASS |

| Appendix A: | Peak Output Power |
|-------------|-------------------|
|-------------|-------------------|

| Test rate | Channel | Peak Output power (dBm) | Average Output power (dBm) | Limit (dBm) | Result |
|-----------|---------|-------------------------|----------------------------------|-------------|--------|
| | 00 | -5.96 | -5.98 | | |
| 1Mbps | 19 | -5.03 | -5.09 | ≤ 30.00 | Pass |
| | 39 | -4.00 | -4.05 | | |

| CH00 | .0 MHz |
|--|-----------------------------|
| CH00 CH00 | 96 dBm 150 GHz .0 MHz |
| CH00 | .0 MHz |
| CH00 CH19 CH10 CH10 CH10 CH10 CH10 CH10 CH10 CH10 | .0 MHz |
| CH00 | .0 MHz |
| CH00 | .0 MHz |
| CH00 | 03 dBm |
| CH19 | (₩) ▼ |
| CH19 | 03 dBm |
| CH19 | 03 dBm |
| CH19 Per Leval 20.00 dbm Offset 0.50 db @ PBW 2 MHz Mode Auto Sweep Count S00/500 PIR. View Odbm | 03 dBm |
| CH19 | 03 dBm -10 GHz |
| CH19 | 03 dBm 10 GHz |
| CH19 | 03 dBm 10 GHz |
| CH19 | 10 GHz |
| CH19 | |
| CH19 | |
| CH19 | |
| CH19 | |
| CH19 | - |
| 40 dbm | |
| 40 dbm | |
| -50 dBm -50 dBm -50 dBm -60 dBm -60 dBm -60 dBm -70 dBm -70 dBm -60 dBm -70 dBm -60 dBm -60 dBm -70 dBm -70 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm Date:18.DEC 2024 0H04012 -70 dBm -70 dBm Spectrum -70 dB SWT 1 ms YBW 5 MH2 Att 30 0 dB SWT 1 ms YBW 5 MH2 Count 500/500 -70 SWT 1 ms -70 WW | |
| 60 dBm 60 dBm< | |
| 60 dBm 60 dBm< | |
| Office Office< | |
| CF 2.44 GHz 691 pts Span 5 Date:18.DEC 2024 09:40.12 Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 2 MHz Att 30 0 dB SWT 1 ms VBW 5 MHz Mode Auto Sweep Count S00/500 | |
| CF 2.44 GHz 691 pts Span 5 Date:18.DEC 2024 09:40.12 Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 2 MHz Att 30 0 dB SWT 1 ms VBW 5 MHz Mode Auto Sweep Count S00/500 | |
| Date:18.05C 2024 09:40:12 Spectrum Ref Level 20.00 dBm Offset 0.50 dB • RBW 2 MHz Att 30 0 dB SWT 1 ms • VBW 5 MHz Mode Auto Sweep Court: 500/500 | |
| Date: 18.DEC 2024 094012 Spectrum Ref Level 20.00 dbm Offset 0.50 dB RBW 2 MHz Att 30 dB SWT 1 ms VBW 5 MHz Mode Auto Sweep Count 500/500 | .0 MHz |
| Spectrum RefLevel 20.00 dbm Offset 0.50 dB RBW 2 MHz Att 30 dB SWT 1 ms VBW 5 MHz Mode Auto Sweep Count 500/500 | |
| Spectrum RefLevel 20.00 dbm Offset 0.50 dB RBW 2 MHz Att 30 dB SWT 1 ms VBW 5 MHz Mode Auto Sweep Count 500/500 | |
| RefLevel 20.00 dBm Offset 0.50 dB RBW 2 MHz Att 30 0B SWT 1 ms VBW 5 MHz Mode Auto Sweep Court 500/500 | Ē |
| ● Att 30 dB SWT 1 ms ● VBW 5 MHz Mode Auto Sweep Count 500/500 | |
| Count 500/500 Pipk View | |
| | — |
| M1[1] -4. | 00 dBm |
| 10 dBm 2.48028 | 40 GHz |
| | |
| 0 dBm M1 | |
| -10 dbm | |
| | |
| -20 dBm | / |
| CH39 | / |
| | |
| -40 dBm | |
| -50 dBm | |
| | |
| -60 dBm | |
| | |
| -70 dBm | |
| CF 2.48 GHz 691 pts Span 5 | |
| | |
| Date:18.DEC.2024 09:42:37 | .0 MHz |

Appendix B: Power Spectral Density

| Test rate | Channel | Power Spectral Density(dBm/3KHz) | Limit (dBm/3KHz) | Result |
|-----------|---------|-------------------------------------|------------------|--------|
| | 00 | -21.83 | | |
| 1Mbps | 19 | -20.79 | ≤8.00 | Pass |
| | 39 | -19.82 | | |

| est rate: | 1Mbps |
|-----------|--|
| | Spectrum 🕎 |
| | RefLevel 20.00 dBm Offset 0.50 dB RBW 3 kHz Att 30 dB SWT 632.3 µs VBW 10 kHz Mode Auto FFT |
| | Count 100/100 |
| | M1[1] -21.83 dBm 2.40199420 GHz |
| | 10 dBm |
| | 0 dBm |
| | -10 dBm |
| | |
| 01100 | -20 dBm -30 dBm Nel ABM |
| CH00 | -30 dam - Way Way Alachi A. a fact that a factor of the fa |
| | Advant and a a a a a a a a a a a a a a a a a a |
| | -50 dBm |
| | -60 dBm |
| | |
| | -70 dBm |
| | CF 2.402 GHz 691 pts Span 1.0 MHz |
| | Mesencine |
| | Date:18DEC_2024_09:3813 |
| | Spectrum 🕎 |
| | RefLevel 20.00 dBm Offset 0.50 dB BRBW 3 kHz Att 30 dB SWT 632.3 µs BVBW 10 kHz Mode Auto FFT |
| | Count 100/100 PIPk Max |
| | M1[1] -20.79 dBm 2.43999420 GHz |
| | 10 dBm |
| | 0 dBm |
| | -10 dBm- |
| | -20 dBm |
| CH19 | and a regard was all many all mars a compare house have |
| CITI9 | - 30 dem - MANATY HE BELLY VICE - THE FRANK AND |
| | Ver dam |
| | -50 dBm |
| | -60 dBm |
| | |
| | -70 dBm- |
| | CF 2.44 GHz 691 pts Span 1.0 MHz |
| | Mesondon (ERRET) |
| | Date:18JEC 2024 09:40.26 |
| | Spectrum 🕅 |
| | RefLevel 20.00 dBm Offset 0.50 dB ■ RBW 3 kHz Att 30 dB SWT 632.3 µs ■ VBW 10 kHz Mode Auto FFT |
| | Count 100/100 |
| | M1[1] -19.82 dBm 2.47999420 GHz |
| | 10 dBm |
| | 0 dBm |
| | -10 dBm |
| | -20 dBm |
| CH39 | and a way advantiger and man and a man a |
| 01139 | -20 dam -20 dam 140 dam 140 dam |
| | King and a faile a fai |
| | -50 dBm- |
| | -60 dBm |
| | |
| | -70 dBm |
| | |
| | CF 2.48 GHz 691 pts Span 1.0 MHz |
| | CF 2.49 CHz 691 pts Span 1.0 MHz |

Appendix C: 6dB bandwidth

| Туре | Channel | 6dB Bandwidth(kHz) | Limit (kHz) | Result |
|-------|---------|--------------------|-------------|--------|
| | 00 | 724.00 | | |
| 1Mbps | 19 | 736.00 | ≥500 | Pass |
| | 39 | 758.00 | | |

| est rate: | 1Mbps |
|-----------|--|
| הסו זמוס. | Spectrum |
| | RefLevel 10.50 dBm Offset 0.50 dB RBW 100 kHz Att 20 dB SWT 19.1 µs VBW 300 kHz Mode Auto FFT Count 500/500 |
| | 1Pk View M1[1] -12.95 dBi |
| | 0 dBm 2.40163400 GH |
| | -10 dBm D1 -12.919 dBm 2.40202600 GH |
| | -20 dBm |
| | -30 dBm |
| | -40 dBm |
| CH00 | -50 dBm |
| | -60 dBm- |
| | -70 dBm |
| | -80 dBm |
| | CF 2.402 GHz 1001 pts Span 2.0 MHz |
| | Marker Type Ref Trc X-value Y-value Function Function Result |
| | MI 1 2.402026 GHz -12.95 dBm M2 1 2.402026 GHz -6.92 dBm |
| | D3 M1 1 724.0 kHz 0.03 dB |
| | Measuring- (Internet) |
| | Date:18.DEC 2024 09:37:41 |
| | Spectrum |
| | RefLevel 10.50 dBm Offset 0.50 dB |
| | Count 500/500 Ptk View |
| | M1[1] -11.75 dB |
| | 0 dBm M15.72 dBi M15.72 dBi 2,44002600 GE |
| | -10 dBm 01 -11.718 dBm |
| | -20 dBm |
| | -30 dBm |
| | -40 dBm |
| CH19 | -50 dBm |
| | -60 dBm |
| | -70 dBm |
| | -80 dBm |
| | CF 2.44 GHz 1001 pts Span 2.0 MHz Marker |
| | Type Ref Trc X-value Y-value Function Function Result |
| | M1 1 2.439622 GHz -11.75 dBm M2 1 2.440026 GHz -5.72 dBm D0 M1 D0 dM D0 dM |
| | D3 M1 1 736.0 kHz -0.06 dB |
| | Date:18.DEC.2024 09:39:56 |
| | |
| | Ref Level 10.50 dBm Offset 0.50 dB RBW 100 kHz |
| | Att 20 dB SWT 19.1 μs VBW 300 kHz Mode Auto FFT Count 500/500 |
| | ●1Pk View M1[1] -10.72 dBi |
| | 0 dBm 2.47961800 GF -4.62 dBi4.62 dBi |
| | -10-d8m D1 -10.618 d8m 2.48002000 GF |
| | -20 dBm |
| | -30 dBm |
| | -40 dBm |
| СН39 | -50 dBm |
| | -60 dBm |
| | -70 dBm |
| | -80 dBm |
| | |
| | CF 2.48 GHz 1001 pts Span 2.0 MHz Marker |
| | Type Ref Trc X-value Y-value Function Function Result M1 1 2.479618 GHz -10.72 dBm |
| | M2 1 2.48002 GHz -4.62 dBm D3 M1 1 758.0 kHz 0.07 dB |
| | |
| | Date: 18 DEC 2024 09 x 221 |
| I | |

Appendix D: 99% Occupied Bandwidth

| Test rate | Channel | 99% Occupied Bandwidth(MHz) | Limit (kHz) | Result |
|-----------|---------|--------------------------------|-------------|--------|
| | 00 | 1.09 | | |
| 1Mbps | 19 | 1.12 | - | Pass |
| | 39 | 1.15 | | |



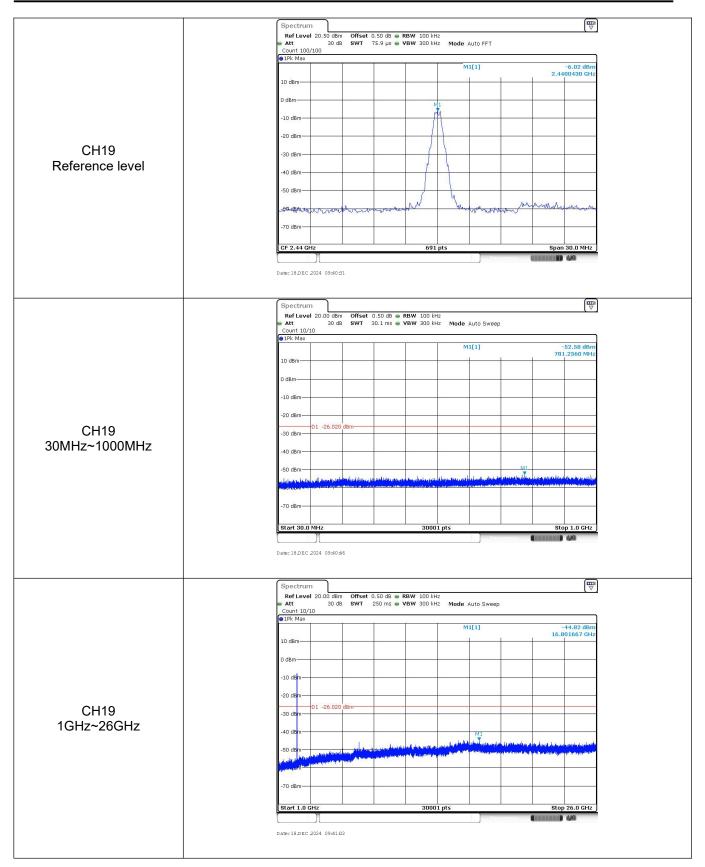
| Test Rate: | | 1Mbps | | |
|----------------------------|-----------------------------------|---|---|---------------------|
| Test Frequency (MHz) | Ton time for single burst (ms) | Tperiod (ms) | Duty cycle | 1/Ton time (kHz) |
| 2440 | 0.38 | 0.62 | 61.29% | 2.63 |
| | SGL TEG: VID | RBW 1 MH2 WT 10 ms • VBW 1 MH2 M1[1] D1[1] D1[1] | -12.00 dbm 25 ns 5.38 db 380.05 µs | |

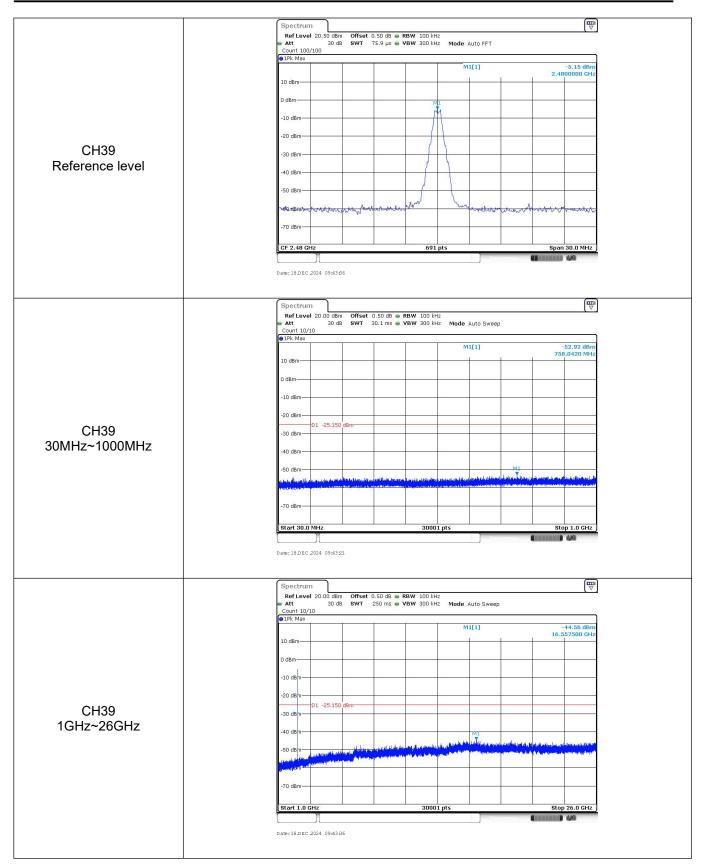
Appendix E: Duty cycle

Appendix F: Band edge and Spurious Emissions (conducted)

| -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -10 dBm -10 dBm -10 dBm -50 dBm -50 dBm -50 dBm -50 dBm -80 dBm -52 dBm -55 00 dBm -50 dBm -51 d1 2.33 GHz -55 00 dBm -55 00 dBm -50 dBm -51 d1 2.3399906 GHz -59.97 dBm -59.97 dBm -59.97 dBm -52 d204 092822 -58.02 dDBm -59.97 dBm -59.97 dBm -59.97 dBm | Fest Item: | Band edge | | Test Ra | ite: | | 1Mb | ps |
|--|------------|--|--|--|---|----------------|-----|--|
| CH00 CH39 CH39 CH39 CH39 CH39 CH39 CH39 CH39 | | Ref Le [.] Att | vel 10.50 dBm Off 20 dB SW | set 0.50 dB 👄 R T 1.1 ms 👄 V | BW 100 kHz BW 300 kHz Mod | le Auto Sweep | | (⊞ ⊽ |
| Bit of 2.31 GHz G01 pts Stop 2.405 GHz Marker 1 2.40204 GHz -7.733 dBm Function Result Marker 1 2.40204 GHz -7.733 dBm Function Result Marker 1 2.39 GHz -65.80 dBm Indiana Indiana Marker 2.39 GHz -65.80 dBm Indiana Indiana | CH00 | Count 300/300 ● 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm | | r-Puillant/sharrynyk | | M2[1] | | 2.402040 GH2 -57.69 MBm 2.400000 MH2 |
| CH39 | | -80 dBm- Start 2.3 Marker | | value | | unction 1 | | |
| CH39 Ref Level 10.50 dB m Offset 0.50 dB m RBW 100 kHz A 20 dB SWT 56.9 µs w VBW 300 kHz Mode Auto FFT Count 100/100 PIPK Max 0 dBm M4 -10 dBm M4 -20 dBm 12.4630 dBm M2[1] -2.4835000 CHz -20 dBm 12.4630 dBm | | M1 M2 M3 M4 M5 | | 2.40204 GHz 2.4 GHz 2.39 GHz 2.31 GHz | -7.33 dBm -57.69 dBm -65.80 dBm -66.42 dBm | Measu | | |
| CH39 | | Ref Le Att Count 1 | vel 10.50 dBm Off 20 dB SW 00/100 | | | le Auto FFT | | ₹ |
| CH39 | | 0 dBm | The second secon | | | | | .4800220 GHz -63.93 dBm |
| Start 2.478 GHz 691 pts Stop 2.5 GHz Marker | CH39 | -40 fBm -50 dBm -60 dBm- | | manunen | mmmm | Salter a march | mi- | rozen an anova a |
| | | Start 2.4 Marker | | value | | unction 1 | | |

| est Item: | SE | | Test Ra | ate: | 1Mbps |
|--------------------|----|---------------------------------|--|--|--|
| | | Spectrum | | | E |
| | | RefLevel 20.50 dBm Att 30 dB | | RBW 100 kHz VBW 300 kHz Mode Auto FF1 | |
| | | Count 100/100 | | | A. |
| | | | | M1[1] | -7.41 dBi 2.4022600 GF |
| | | 10 dBm- | | | |
| | | 0 dBm | | 6/1 | |
| | | -10 dBm | | r M | |
| | | -20 dBm | | | |
| CH00 | | -30 dBm | | | |
| Reference level | | -40 dBm | | | |
| | | -50 dBm | | | |
| | | 50 ID | | N hr | |
| | | | where have a second | and a phone of | and the hand water a preserve of the second |
| | | -70 dBm | | | |
| | | CF 2.402 GHz | | 691 pts | Span 30.0 MHz |
| | | | | | Measuring |
| | | Date:18.DEC 2024 09:38:29 | | | |
| | | | | | G |
| | | Spectrum Ref Level 20.00 dBm | | | Ē |
| | | Att 30 dB Count 10/10 | | VBW 300 kHz Mode Auto Sw | reep |
| | | ●1Pk Max | | M1[1] | -52.50 dB |
| | | 10 dBm | | | 789.7920 MH |
| | | 0 dBm | | | |
| | | -10 dBm | | | |
| | | -20 dBm | | | |
| CH00 | | 01 -27 410 dl | 3m- | | |
| 30MHz~1000MHz | | -30 dBm | | | |
| | | -40 dBm | | | |
| | | -50 dBm | ing his property and a state of the state of | a survey all and to de tanks its are shared | M1 |
| | | | na na shanna ata ya shi bilit (katata ta na na | | ante a la seguente de Secons de Chorde, de verde plas de grande Chorde (de verde secons de Chorde de Secons de Internet de la secons de Chorde d |
| | | -70 dBm | | | |
| | | Start 30.0 MHz | | 30001 pts | Stop 1.0 GHz |
| | | | | · | Messurine |
| | | Date:18.DEC.2024 09:38:44 | | | |
| | | | | | |
| | | Spectrum Ref Level 20.00 dBm | Offset 0 to de - | 2BW 100 kHz | T T |
| CH00 1GHz~26GHz | | | | VBW 100 kHz Mode Auto Swi VBW 300 kHz Mode Auto Swi | еер |
| | | Pk Max | | M1[1] | -44.61 dBi |
| | | 10 dBm | | mili | 9.608333 GF |
| | | 0 dBm- | | | |
| | | | | | |
| | | -10 dBm | | | |
| | | -20 dBm | | | |
| | | -30 dBm D1 -27.410 df | 5111 | | |
| | | -40 dBm | | 2.11 | |
| | | -50 dBm | - In a law | and the selection of the selection of the second | in a substitute of the state of |
| | | | Contraction of the local data and the local data an | | |
| | | | | | |
| | | -70 dBm | | | |
| | | -70 dBm | | | |
| | | -70 dBm | | 30001 pts | Stop 26.0 GHz |
| | | | | 30001 pts | Stop 26.0 GHz |





-----End of Report------