

TEST REPORT

Applicant Name: Huizhou Dudu Pet Products Co., Ltd
Address: Floor 2/3/ 4, Building 2 District D Qiaosheng Industrial Park,
Lilin Town, Huicheng District, Huizhou, China
Report Number: 2401T36013E-RF-00A
FCC ID: 2A55Q-DU-F03W

Test Standard (s)

FCC PART 15.247

Sample Description

Product Type: Automatic Pet Feeder
Model No.: DU-F03W
Multiple Model(s) No.: DU-F03W-01, DU-F03W-02, DU-F03K, DU-F03B
Trade Mark: N/A
Date Received: 2024-05-28
Issue Date: 2024-06-29

| | |
|--------------|-------------------|
| Test Result: | Pass [▲] |
|--------------|-------------------|

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

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Ekko Wu
RF Engineer

Approved By:

Nancy Wang

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RF Supervisor

Note: The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

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Bay Area Compliance Laboratories Corp. (Shenzhen)

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DOCUMENT REVISION HISTORY

| Revision Number | Report Number | Description of Revision | Date of Revision |
|-----------------|--------------------|-------------------------|------------------|
| 0 | 2401T36013E-RF-00A | Original Report | 2024-06-29 |

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

| | |
|--|---|
| Frequency Range | 2402~2480MHz |
| Maximum Conducted Output Peak Power | 4.4dBm |
| Modulation Technique | GFSK |
| Antenna Specification[#] | 2.54dBi (provided by the applicant) |
| Voltage Range | DC 5V from adapter or DC 15V from battery |
| Sample serial number | 2M4N-8 for Conducted and Radiated Emissions Test 2M4N-9 for RF Conducted Test (Assigned by BACL, Shenzhen) |
| Sample/EUT Status | Good condition |
| Adapter Information | Model: TPA-46B050100UU Input: AC 100-240V, 50/60Hz, 0.2A Output: DC 5.0V, 1000mA |
| Note: The Multiple models are electrically identical with the test model except for model name and sales channel. Please refer to the declaration letter [#] for more detail, which was provided by manufacturer. | |

Objective

This report is in accordance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209, 15.247 rules.

Test Methodology

All tests and measurements indicated in this document were performed in accordance ANSI C63.10-2013.

And KDB 558074 D01 15.247 Meas Guidance v05r02.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

| Parameter | | Uncertainty |
|------------------------------------|-----------------------------|---------------------------------------|
| Occupied Channel Bandwidth | | ±5% |
| RF output power, conducted | | 0.72 dB(k=2, 95% level of confidence) |
| AC Power Lines Conducted Emissions | 9kHz~150 kHz | 3.94dB(k=2, 95% level of confidence) |
| | 150 kHz ~30MHz | 3.84dB(k=2, 95% level of confidence) |
| Radiated Emissions | 9kHz - 30MHz | 3.30dB(k=2, 95% level of confidence) |
| | 30MHz~200MHz (Horizontal) | 4.48dB(k=2, 95% level of confidence) |
| | 30MHz~200MHz (Vertical) | 4.55dB(k=2, 95% level of confidence) |
| | 200MHz~1000MHz (Horizontal) | 4.85dB(k=2, 95% level of confidence) |
| | 200MHz~1000MHz (Vertical) | 5.05dB(k=2, 95% level of confidence) |
| | 1GHz - 6GHz | 5.35dB(k=2, 95% level of confidence) |
| | 6GHz - 18GHz | 5.44dB(k=2, 95% level of confidence) |
| | 18GHz - 40GHz | 5.16dB(k=2, 95% level of confidence) |
| Temperature | | ±1°C |
| Humidity | | ±1% |
| Supply voltages | | ±0.4% |

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

For BLE mode, 40 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 0 | 2402 | 20 | 2442 |
| 1 | 2404 | 21 | 2444 |
| 2 | 2406 | 22 | 2446 |
| 3 | 2408 | 23 | 2448 |
| 4 | 2410 | 24 | 2450 |
| 5 | 2412 | 25 | 2452 |
| 6 | 2414 | 26 | 2454 |
| 7 | 2416 | 27 | 2456 |
| 8 | 2418 | 28 | 2458 |
| 9 | 2420 | 29 | 2460 |
| 10 | 2422 | 30 | 2462 |
| 11 | 2424 | 31 | 2464 |
| 12 | 2426 | 32 | 2466 |
| 13 | 2428 | 33 | 2468 |
| 14 | 2430 | 34 | 2470 |
| 15 | 2432 | 35 | 2472 |
| 16 | 2434 | 36 | 2474 |
| 17 | 2436 | 37 | 2476 |
| 18 | 2438 | 38 | 2478 |
| 19 | 2440 | 39 | 2480 |

EUT was tested with Channel 0, 19 and 39.

EUT Exercise Software

| Exercise Software [#] | sscom v5.13.1/RTL BT APP | | |
|--------------------------------|--------------------------|----------------|--------------|
| Power Level [#] | | | |
| Mode | Low Channel | Middle Channel | High Channel |
| BLE 1M | 0x20 | 0x20 | 0x20 |

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

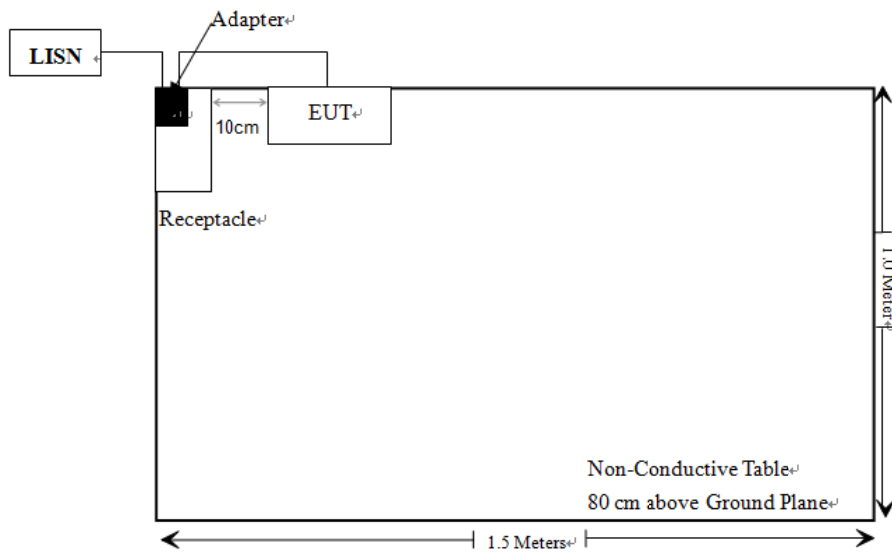
| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|---------|---------------|
| Bull | Receptacle | Unknown | Unknown |

External I/O Cable

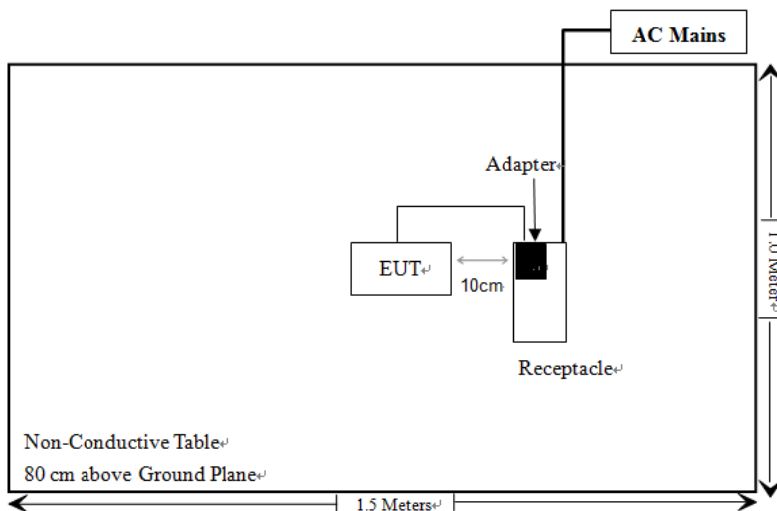
| Cable Description | Length (m) | From Port | To |
|----------------------------------|------------|------------|---------------|
| Un-shielding Detachable DC Cable | 1.0 | EUT | Adapter |
| Un-shielding Detachable DC Cable | 1.5 | Receptacle | LISN/AC Mains |

Block Diagram of Test Setup

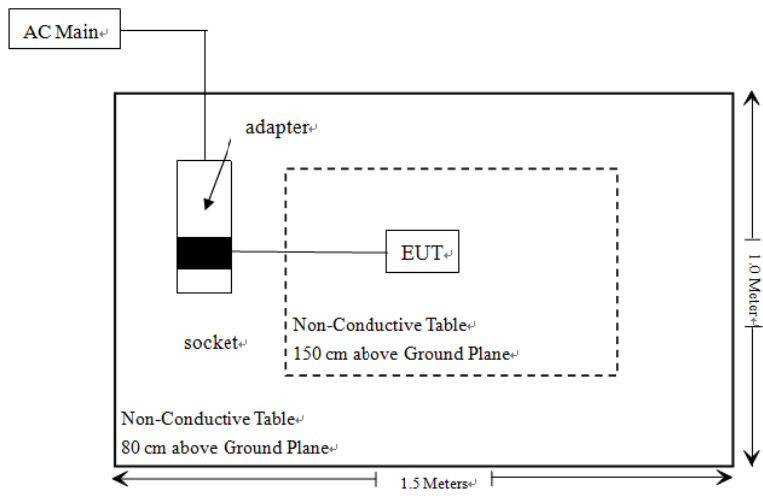
For Conducted Emissions:



For Radiated Emissions below 1GHz:



For Radiated Emissions above 1GHz:



SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|---|--|---------------|
| FCC §15.247 (i) & §1.1307 (b) (3) & §2.1091 | RF Exposure | PASS |
| FCC §15.203 | Antenna Requirement | PASS |
| FCC §15.207(a) | AC Line Conducted Emissions | PASS |
| FCC §15.205,§15.209,§15.247(d) | Radiated Spurious Emission | PASS |
| FCC §15.207(a)(2) | 6dB Emission Bandwidth | PASS |
| FCC §15.247(b)(1) | Maximum Conducted Output Power | PASS |
| FCC §15.247(d) | 100 kHz Bandwidth of Frequency Band Edge | PASS |
| FCC §15.247(e) | Power Spectral Density | PASS |

TEST EQUIPMENT LIST

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------------------------|-------------------------|-------------------------|------------------------|------------------|----------------------|
| Conducted Emission Test | | | | | |
| Rohde & Schwarz | EMI Test Receiver | ESCI | 101120 | 2024/01/16 | 2025/01/15 |
| Rohde & Schwarz | LISN | ENV216 | 101613 | 2024/01/16 | 2025/01/15 |
| Rohde & Schwarz | Transient Limiter | ESH3Z2 | DE25985 | 2024/05/21 | 2025/05/20 |
| Unknown | CE Cable | Unknown | UF A210B-1-0720-504504 | 2024/05/21 | 2025/05/20 |
| Audix | EMI Test software | E3 | 191218(V9) | NCR | NCR |
| Radiated Emission Test | | | | | |
| Audix | EMI Test software | E3 | 191218(V9) | NCR | NCR |
| Rohde & Schwarz | EMI Test Receiver | ESR3 | 102455 | 2024/01/16 | 2025/01/15 |
| Sonoma instrument | Pre-amplifier | 310N | 186238 | 2024/05/21 | 2025/05/20 |
| Sunol Sciences | Broadband Antenna | JB1 | A040904-1 | 2023/07/20 | 2026/07/19 |
| BACL | Active Loop Antenna | 1313-1A | 4031911 | 2024/05/14 | 2027/05/13 |
| Unknown | Cable | Chamber Cable 1 | F-03-EM236 | 2024/05/21 | 2025/05/20 |
| Unknown | Cable | 2Y194 | 0735 | 2024/05/21 | 2025/05/20 |
| Rohde&Schwarz | Spectrum Analyzer | FSV40 | 101605 | 2024/03/27 | 2025/03/26 |
| COM-POWER | Pre-amplifier | PA-122 | 181919 | 2023/06/29 | 2024/06/28 |
| Schwarzbeck | Horn Antenna | BBHA9120D(1201) | 1143 | 2023/07/26 | 2026/07/25 |
| Unknown | RF Cable | KMSE | 0735 | 2023/10/08 | 2024/10/08 |
| Unknown | RF Cable | UFA147 | 219661 | 2023/10/08 | 2024/10/07 |
| SNSD | 2.4G Band Reject filter | BSF2402-2480MN-0898-001 | 2.4G filter | 2023/08/03 | 2024/08/02 |
| A.H.System | Pre-amplifier | PAM-1840VH | 190 | 2023/08/02 | 2024/08/01 |
| Electro-Mechanics Co | Horn Antenna | 3116 | 9510-2270 | 2023/09/18 | 2026/09/17 |
| UTIFLEX | RF Cable | NO. 13 | 232308-001 | 2023/08/03 | 2024/08/02 |

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------------------|-------------------|--------|---------------|------------------|----------------------|
| RF Conducted Test | | | | | |
| Rohde & Schwarz | Spectrum Analyzer | FSU26 | 200120 | 2024/01/08 | 2025/01/07 |
| MARCONI | 10dB Attenuator | 6534/3 | 2942 | 2023/07/04 | 2024/07/03 |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

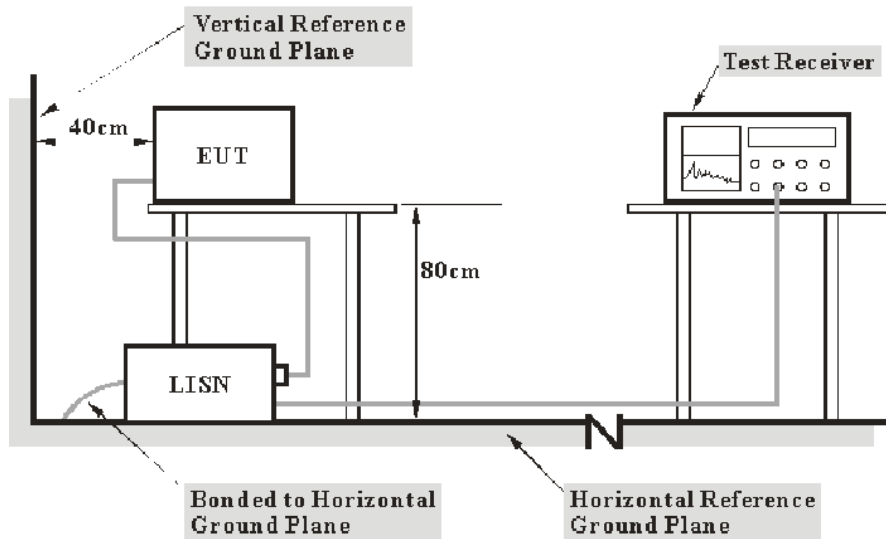
REQUIREMENTS AND TEST PROCEDURES

AC Line Conducted Emissions

Applicable Standard

FCC§15.207

EUT Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz |

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Factor & Over Limit Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

$$\text{Factor} = \text{LISN VDF} + \text{Cable Loss}$$

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

$$\begin{aligned}\text{Over Limit} &= \text{Level} - \text{Limit} \\ \text{Level} &= \text{Read Level} + \text{Factor}\end{aligned}$$

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

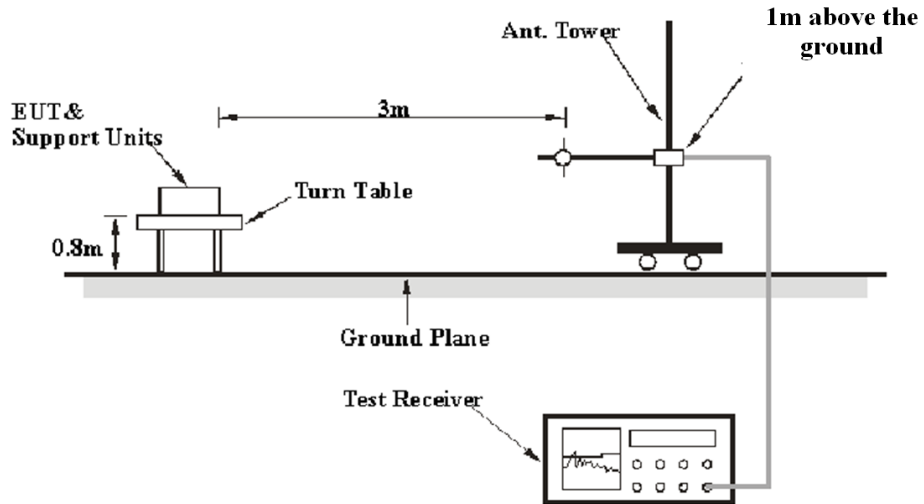
Unwanted Emission Frequencies and Restricted Bands

Applicable Standard

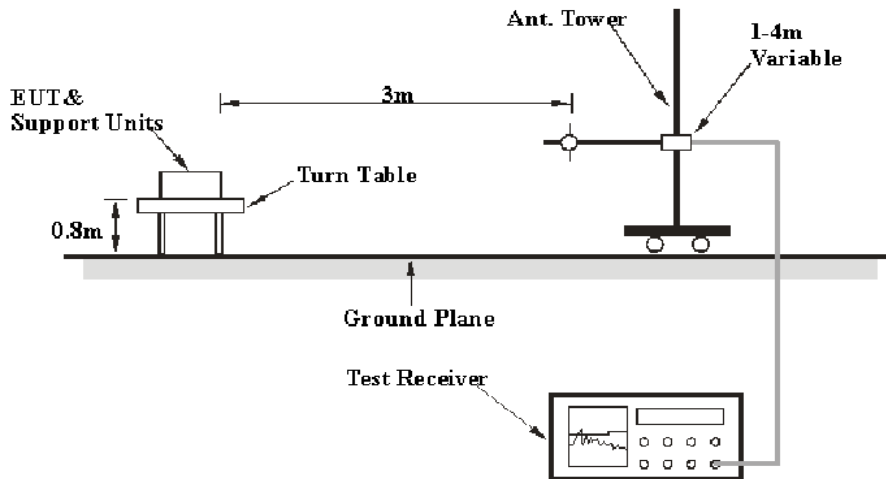
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

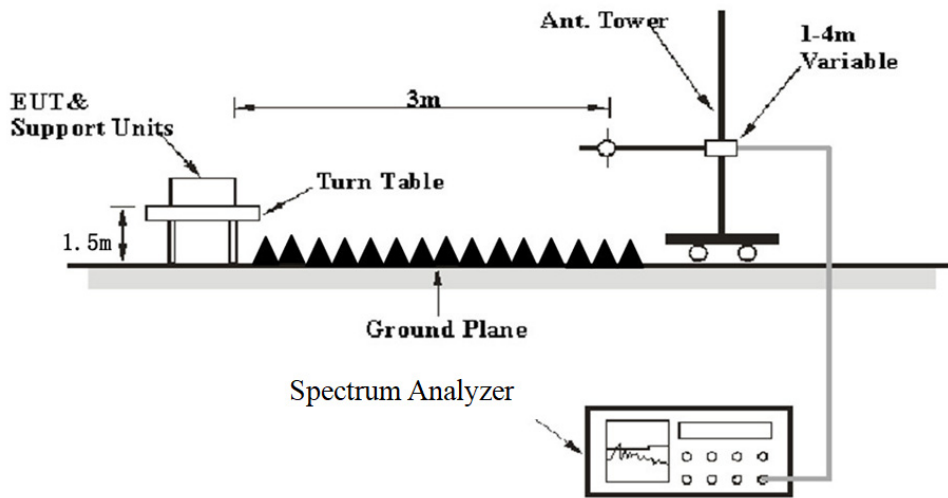
9 kHz-30MHz:



30MHz-1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.205, FCC 15.209, FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9 kHz-1GHz:

| Frequency Range | RBW | Video B/W | IF B/W | Measurement |
|-------------------|---------|-----------|---------|-------------|
| 9 kHz – 150 kHz | / | / | 200 Hz | QP |
| | 300 Hz | 1 kHz | / | PK |
| 150 kHz – 30 MHz | / | / | 9 kHz | QP |
| | 10 kHz | 30 kHz | / | PK |
| 30 MHz – 1000 MHz | / | / | 120 kHz | QP |
| | 100 kHz | 300 kHz | / | PK |

1-25 GHz:

| Measurement | Duty cycle | RBW | Video B/W |
|-------------|------------|------|-----------------|
| PK | Any | 1MHz | 3 MHz |
| AV | >98% | 1MHz | 10 Hz |
| | <98% | 1MHz | $\geq 1/T_{on}$ |

Note: T_{on} is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless the margin is greater than 20 dB.

All emissions under the average limit and under the noise floor have not recorded in the report.

Factor & Over Limit/Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit/Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\begin{aligned} \text{Over Limit/Margin} &= \text{Level} / \text{Corrected Amplitude} - \text{Limit} \\ \text{Level} / \text{Corrected Amplitude} &= \text{Read Level} + \text{Factor} \end{aligned}$$

6 dB Emission Bandwidth

Standard Applicable

According to FCC §15.247(a) (2)

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

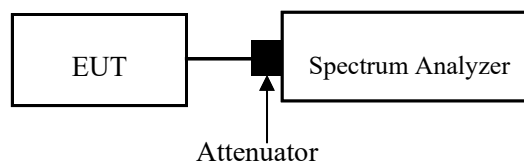
Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.8.1 & Clause 6.9.3

- a. Set RBW = 100 kHz.
- b. Set the VBW $\geq [3 \times \text{RBW}]$.
- c. Detector = peak.
- d. Trace mode = max hold.
- e. Sweep = auto couple.
- f. Allow the trace to stabilize.
- g. 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.

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. Procedure as below

- a. The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b. The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c. Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level.
- d. Step a) through step c) might require iteration to adjust within the specified range.
- e. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f. Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g. If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h. The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



Peak Output Power Measurement

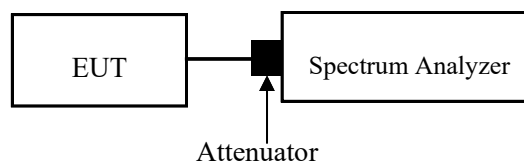
Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.9.1.1

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
3. Add a correction factor to the display.
4. Set the RBW \geq DTS bandwidth.
5. Set the VBW \geq $[3 \times \text{RBW}]$.
6. Set span \geq $[3 \times \text{RBW}]$.
7. Sweep time = auto couple.
8. Detector = peak.
9. Trace mode = max hold.
10. Allow the trace to stabilize.
11. Use peak marker function to determine the peak amplitude level.



Power Spectral Density

Applicable Standard

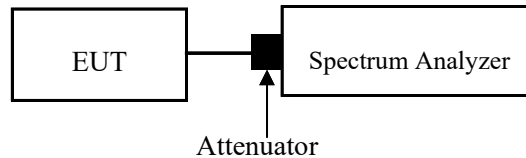
According to FCC §15.247(e):

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.10.2

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set analyzer center frequency to DTS channel center frequency
3. Set the span to 1.5 times the DTS bandwidth.
4. Set the RBW to: $3\text{kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
5. Set the VBW $\geq 3 \times \text{RBW}$.
6. Detector = peak.
7. Sweep time = auto couple.
8. Trace mode = max hold.
9. Allow trace to fully stabilize.
10. Use the peak marker function to determine the maximum amplitude level within the RBW.
11. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



100 kHz Bandwidth of Frequency Band Edge

Applicable Standard

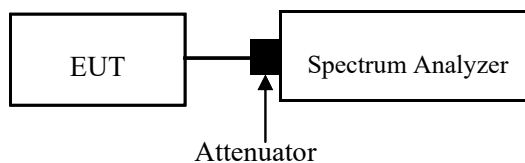
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.11

1. Set the RBW =100 kHz.
2. Set the VBW $\geq 3 \times$ RBW.
3. Detector = peak
4. Sweep time = auto couple.
5. Trace mode=max hold
6. All trace to fully stabilize
7. Use the peak marker function to determine the maximum amplitude level.
Ensure that amplitude of all unwanted emissions outside of the authorized frequency band(excluding restricted frequency bands) is attenuated by at least the minimum requirement specified in 11.11.
Report the three highest emissions relative to the limit.



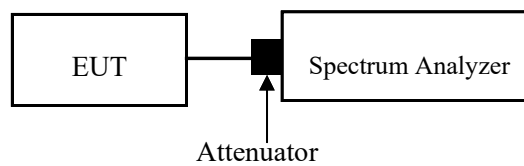
Duty Cycle

Test Procedure

According to ANSI C63.10-2013 Section 11.6

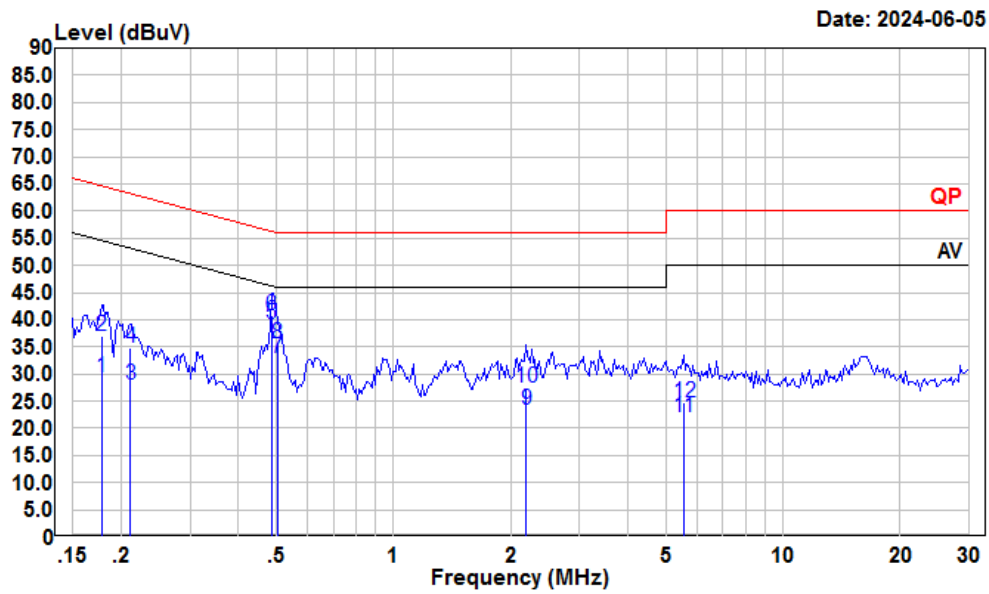
The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. Set detector = peak or average.
- 4) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if $T \leq 16.7 \mu s$.)



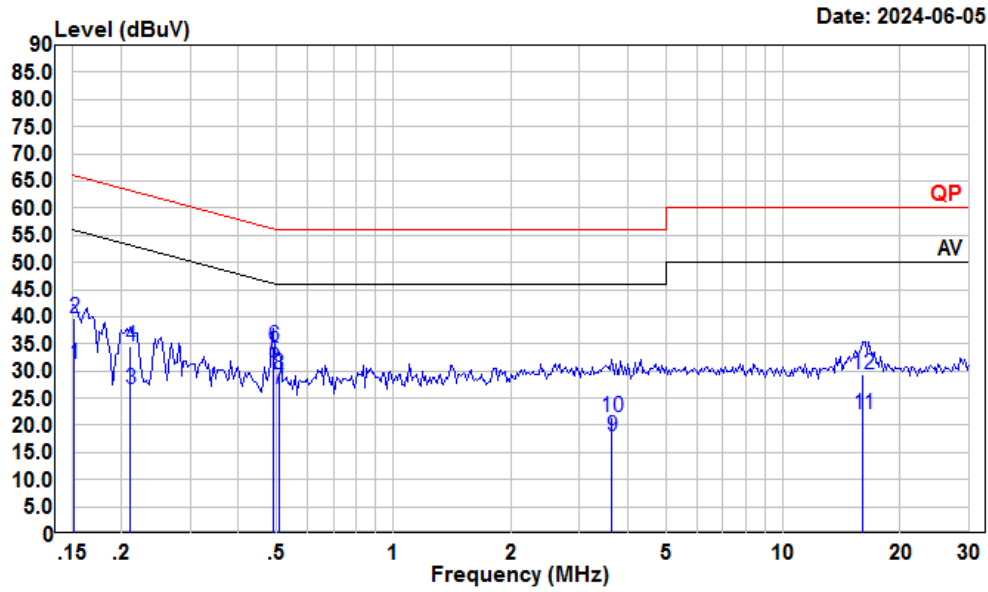
TEST DATA AND RESULTS**AC Line Conducted Emissions****Environmental Conditions**

| | | | |
|---------------------------|---|------------------------------|----------|
| Temperature (°C) | 25 | Relative Humidity (%) | 66 |
| ATM Pressure (kPa) | 101 | Test engineer | Macy.shi |
| Test date | 2024.6.5 | | |
| EUT operation mode | Transmitting(Maximum output power mode, BLE 1M, High channel) | | |



Condition: Line
 Project : 2401T36013E-RF
 tester : Macy.shi
 Note : BLE

| | Read Freq | Read Level | LISN Level | LISN Factor | Cable Loss | Limit Line | Over Limit | Remark |
|----|-----------|------------|------------|-------------|------------|------------|------------|---------|
| | MHz | dBuV | dBuV | dB | dB | dBuV | dB | |
| 1 | 0.18 | 8.49 | 29.43 | 10.84 | 10.10 | 54.59 | -25.16 | Average |
| 2 | 0.18 | 16.00 | 36.94 | 10.84 | 10.10 | 64.59 | -27.65 | QP |
| 3 | 0.21 | 7.21 | 28.08 | 10.78 | 10.09 | 53.18 | -25.10 | Average |
| 4 | 0.21 | 14.08 | 34.95 | 10.78 | 10.09 | 63.18 | -28.23 | QP |
| 5 | 0.49 | 18.41 | 39.05 | 10.51 | 10.13 | 46.23 | -7.18 | Average |
| 6 | 0.49 | 20.15 | 40.79 | 10.51 | 10.13 | 56.23 | -15.44 | QP |
| 7 | 0.50 | 12.25 | 32.89 | 10.50 | 10.14 | 46.00 | -13.11 | Average |
| 8 | 0.50 | 14.96 | 35.60 | 10.50 | 10.14 | 56.00 | -20.40 | QP |
| 9 | 2.19 | 2.62 | 23.36 | 10.56 | 10.18 | 46.00 | -22.64 | Average |
| 10 | 2.19 | 6.69 | 27.43 | 10.56 | 10.18 | 56.00 | -28.57 | QP |
| 11 | 5.56 | 1.45 | 22.05 | 10.42 | 10.18 | 50.00 | -27.95 | Average |
| 12 | 5.56 | 4.18 | 24.78 | 10.42 | 10.18 | 60.00 | -35.22 | QP |



Date: 2024-06-05

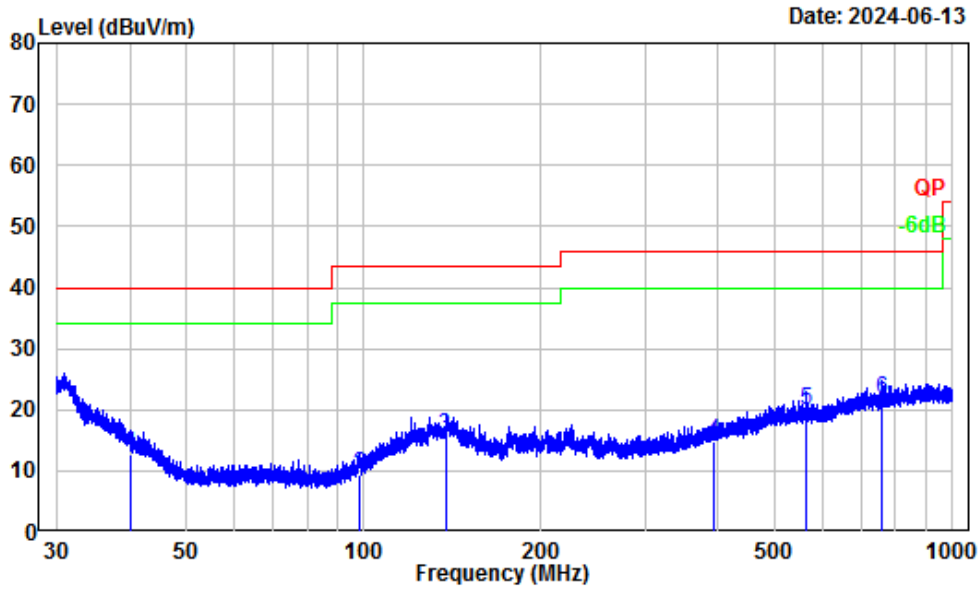
Condition: Neutral
 Project : 2401T36013E-RF
 tester : Macy.shi
 Note : BLE

| | Read Freq | Read Level | LISN Level | LISN Factor | Cable Loss | Limit Line | Over Limit | Remark |
|----|-----------|------------|------------|-------------|------------|------------|------------|---------|
| | MHz | dBuV | dBuV | dB | dB | dBuV | dB | |
| 1 | 0.15 | 10.54 | 31.26 | 10.59 | 10.13 | 55.91 | -24.65 | Average |
| 2 | 0.15 | 18.90 | 39.62 | 10.59 | 10.13 | 65.91 | -26.29 | QP |
| 3 | 0.21 | 6.09 | 26.60 | 10.42 | 10.09 | 53.18 | -26.58 | Average |
| 4 | 0.21 | 14.03 | 34.54 | 10.42 | 10.09 | 63.18 | -28.64 | QP |
| 5 | 0.49 | 10.78 | 31.61 | 10.69 | 10.14 | 46.14 | -14.53 | Average |
| 6 | 0.49 | 13.78 | 34.61 | 10.69 | 10.14 | 56.14 | -21.53 | QP |
| 7 | 0.51 | 5.93 | 26.77 | 10.70 | 10.14 | 46.00 | -19.23 | Average |
| 8 | 0.51 | 8.48 | 29.32 | 10.70 | 10.14 | 56.00 | -26.68 | QP |
| 9 | 3.64 | -2.54 | 18.06 | 10.40 | 10.20 | 46.00 | -27.94 | Average |
| 10 | 3.64 | 0.96 | 21.56 | 10.40 | 10.20 | 56.00 | -34.44 | QP |
| 11 | 16.05 | 1.02 | 22.01 | 10.78 | 10.21 | 50.00 | -27.99 | Average |
| 12 | 16.05 | 8.29 | 29.28 | 10.78 | 10.21 | 60.00 | -30.72 | QP |

Unwanted Emission Frequencies and Restricted Bands**Environmental Conditions**

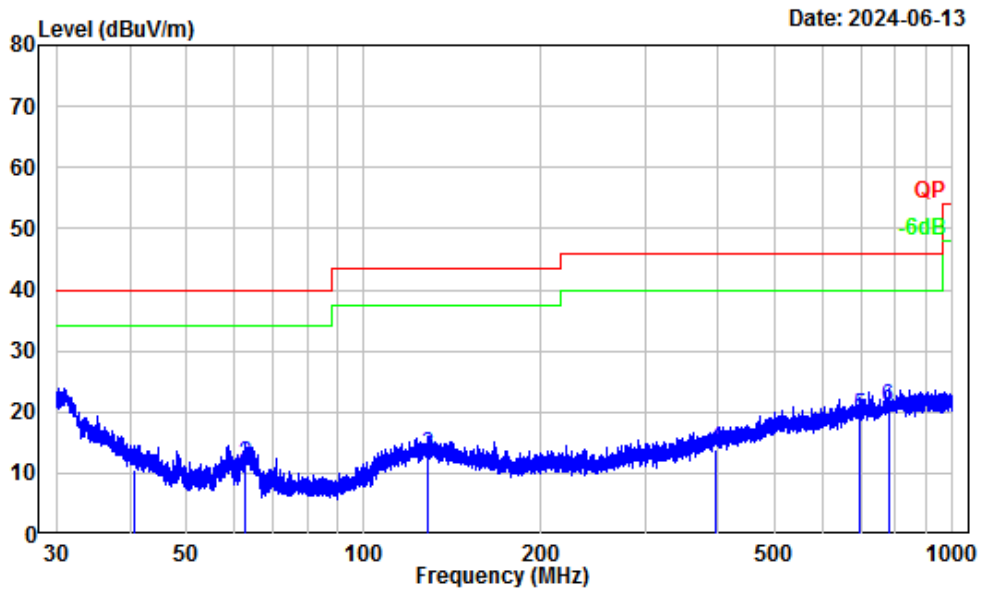
| | | | |
|----------------------------|--|------------------------------|--------------------|
| Temperature (°C) | 25-25.6 | Relative Humidity (%) | 50 |
| ATM Pressure (kPa): | 101 | Test engineer: | Anson Su&Sadow Tan |
| Test date: | 2024.6.13-2024.6.18 | | |
| EUT operation mode: | Below 1GHz:Transmitting (Maximum output power mode, BLE 1M, High channel) Above 1 GHz: Transmitting | | |
| Note: | For 9kHz-30MHz, The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded | | |

Below 1GHz:



Site : Chamber A
 Condition : 3m Horizontal
 Project Number: 2401T36013E-RF
 Test Mode : BLE
 Tester : Anson Su

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|--------|--------|------------|--------|------------|------------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 40.15 | -11.62 | 24.28 | 12.66 | 40.00 | -27.34 | QP |
| 2 | 98.27 | -15.89 | 25.35 | 9.46 | 43.50 | -34.04 | QP |
| 3 | 137.48 | -12.52 | 28.28 | 15.76 | 43.50 | -27.74 | QP |
| 4 | 392.10 | -10.82 | 25.62 | 14.80 | 46.00 | -31.20 | QP |
| 5 | 562.42 | -8.02 | 28.00 | 19.98 | 46.00 | -26.02 | QP |
| 6 | 760.70 | -5.49 | 27.10 | 21.61 | 46.00 | -24.39 | QP |



Site : Chamber A
 Condition : 3m Vertical
 Project Number: 2401T36013E-RF
 Test Mode : BLE
 Tester : Anson Su

| | Freq | Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |
|---|--------|--------|------------|-------------|------------|------------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 40.58 | -13.34 | 23.94 | 10.60 | 40.00 | -29.40 | QP |
| 2 | 62.73 | -18.81 | 30.15 | 11.34 | 40.00 | -28.66 | QP |
| 3 | 128.17 | -12.60 | 25.60 | 13.00 | 43.50 | -30.50 | QP |
| 4 | 396.59 | -10.90 | 24.89 | 13.99 | 46.00 | -32.01 | QP |
| 5 | 697.77 | -6.59 | 25.94 | 19.35 | 46.00 | -26.65 | QP |
| 6 | 777.90 | -5.69 | 26.53 | 20.84 | 46.00 | -25.16 | QP |

Above 1GHz:

| Frequency (MHz) | Receiver | | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|----------------|--------|-------------|---------------|------------------------------|----------------|-------------|
| | Reading (dBµV) | PK/Ave | | | | | |
| BLE 1M | | | | | | | |
| Low Channel | | | | | | | |
| 2312.6 | 48.9 | PK | H | -3.03 | 45.87 | 74 | -28.13 |
| 2312.6 | 35.81 | AV | H | -3.03 | 32.78 | 54 | -21.22 |
| 2321.98 | 49.92 | PK | V | -3.03 | 46.89 | 74 | -27.11 |
| 2321.98 | 44.7 | AV | V | -3.03 | 41.67 | 54 | -12.33 |
| 4804 | 47.36 | PK | H | 1.69 | 49.05 | 74 | -24.95 |
| 4804 | 41.12 | AV | H | 1.69 | 42.81 | 54 | -11.19 |
| 4804 | 47.57 | PK | V | 1.69 | 49.26 | 74 | -24.74 |
| 4804 | 40.46 | AV | V | 1.69 | 42.15 | 54 | -11.85 |
| Middle Channel | | | | | | | |
| 4880 | 49.81 | PK | H | 1.69 | 51.5 | 74 | -22.5 |
| 4880 | 44.59 | AV | H | 1.69 | 46.28 | 54 | -7.72 |
| 4880 | 47.84 | PK | V | 1.69 | 49.53 | 74 | -24.47 |
| 4880 | 41.72 | AV | V | 1.69 | 43.41 | 54 | -10.59 |
| High Channel | | | | | | | |
| 2490.09 | 53.37 | PK | H | -3.18 | 50.19 | 74 | -23.81 |
| 2490.09 | 41.24 | AV | H | -3.18 | 38.06 | 54 | -15.94 |
| 2489.8 | 55.42 | PK | V | -3.18 | 52.24 | 74 | -21.76 |
| 2489.8 | 41.27 | AV | V | -3.18 | 38.09 | 54 | -15.91 |
| 4960 | 52.24 | PK | H | 2.77 | 55.01 | 74 | -18.99 |
| 4960 | 47.54 | AV | H | 2.77 | 50.31 | 54 | -3.69 |
| 4960 | 50.61 | PK | V | 2.77 | 53.38 | 74 | -20.62 |
| 4960 | 45.74 | AV | V | 2.77 | 48.51 | 54 | -5.49 |

Note:

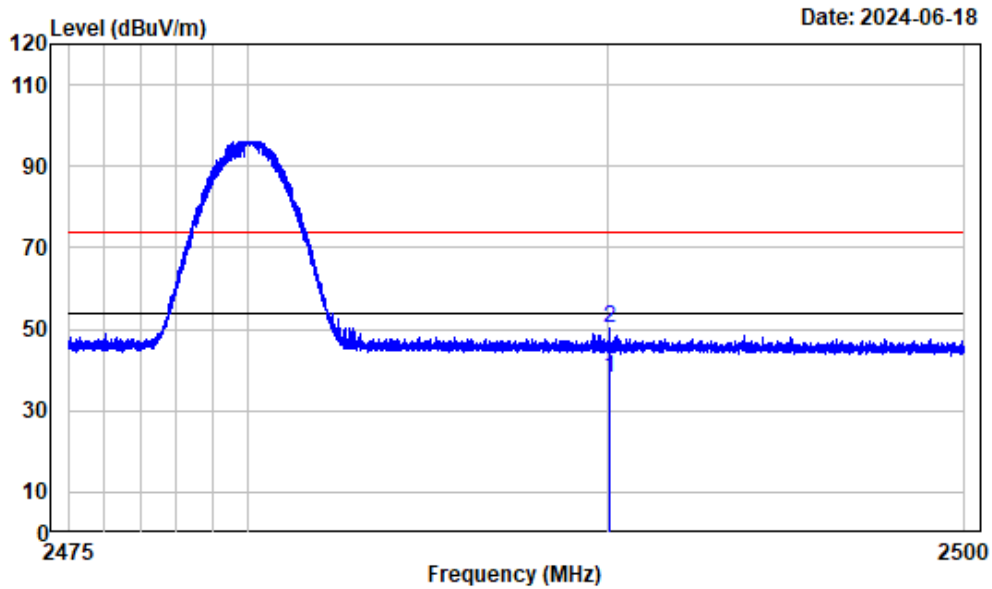
Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor

Corrected Amplitude = Corrected Factor + Reading

Margin = Corrected. Amplitude - Limit

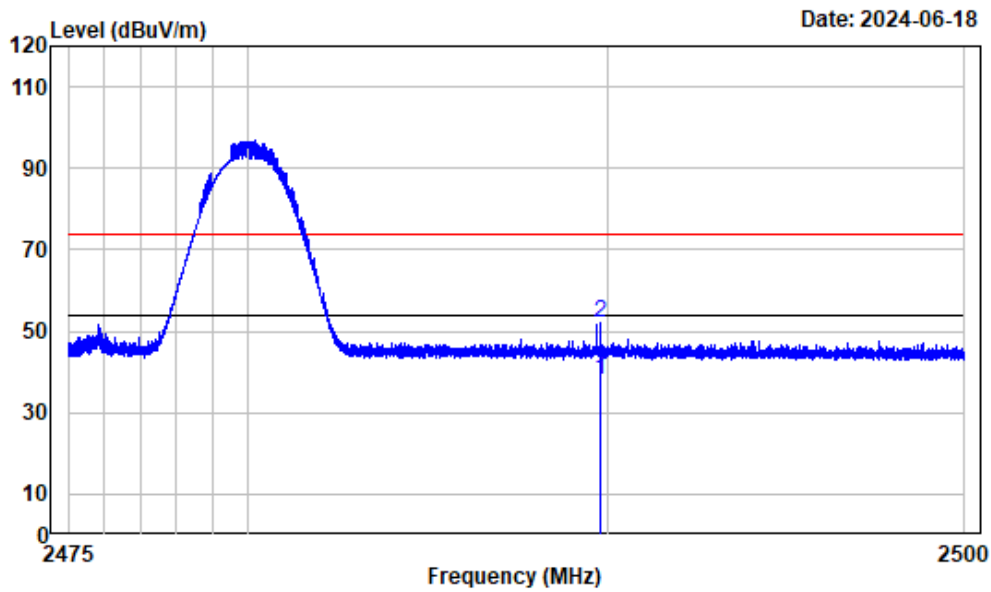
The other spurious emission which is in the noise floor level was not recorded.

Test plots (Maximum output power mode, BLE 1M, High channel)



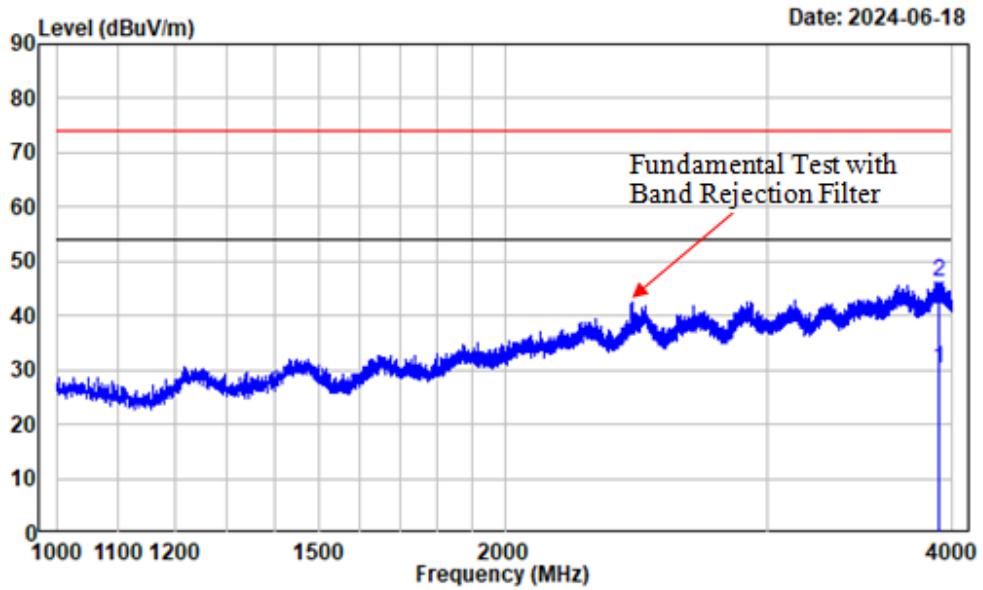
Condition : Horizontal
 Project No.: 2401T36013E-RF
 Tester : Sadow Tan
 Note : BLE 1M_2480

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 2490.087 | -3.18 | 41.24 | 38.06 | 54.00 | -15.94 | Average |
| 2 | 2490.087 | -3.18 | 53.37 | 50.19 | 74.00 | -23.81 | peak |



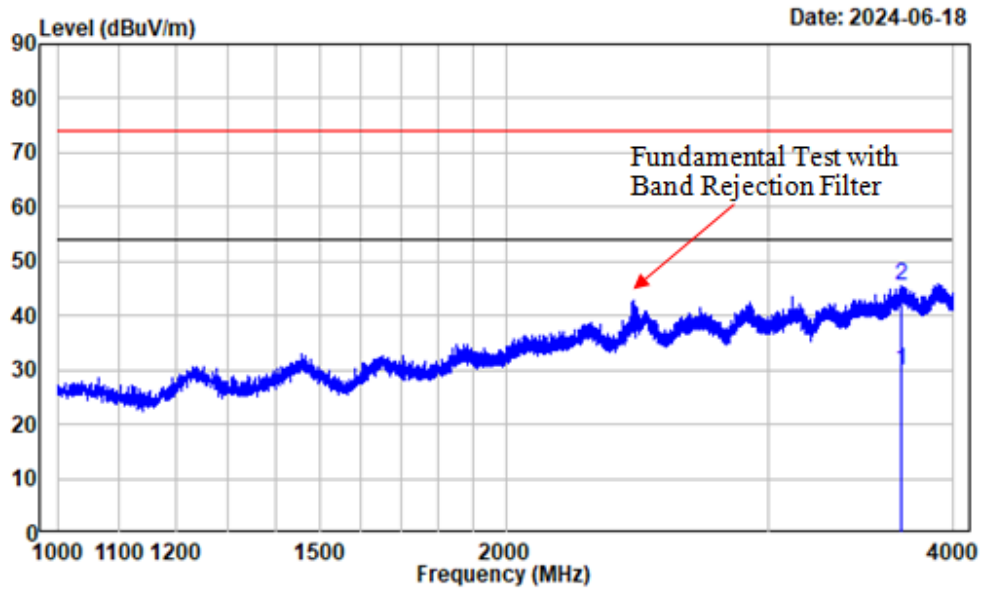
Condition : Vertical
 Project No.: 2401T36013E-RF
 Tester : Sadow Tan
 Note : BLE 1M_2480

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 2489.797 | -3.18 | 41.27 | 38.09 | 54.00 | -15.91 | Average |
| 2 | 2489.797 | -3.18 | 55.42 | 52.24 | 74.00 | -21.76 | Peak |



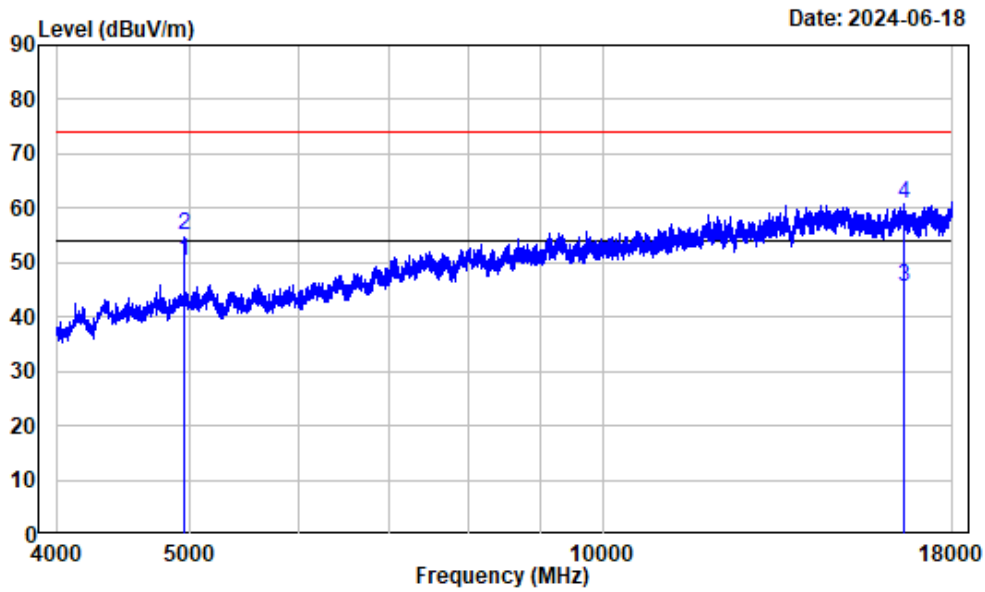
Condition : Horizontal
 Project No.: 2401T36013E-RF
 Tester : Sadow Tan
 Note : BLE 1M_2480

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 3919.000 | -0.39 | 30.58 | 30.19 | 54.00 | -23.81 | Average |
| 2 | 3919.000 | -0.39 | 46.54 | 46.15 | 74.00 | -27.85 | Peak |



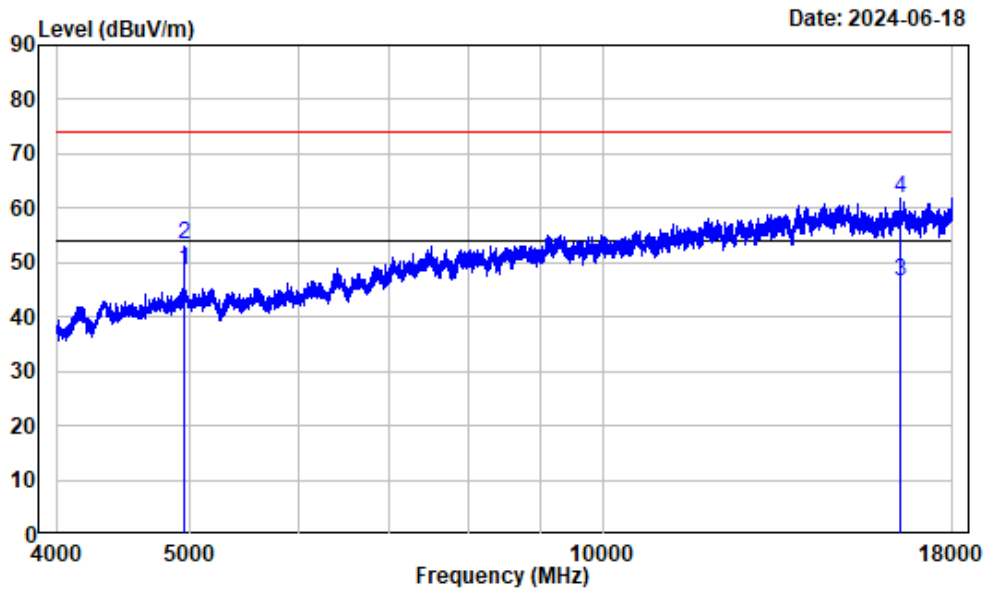
Condition : Vertical
 Project No.: 2401T36013E-RF
 Tester : Sadow Tan
 Note : BLE 1M_2480

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 3688.375 | -1.22 | 31.02 | 29.80 | 54.00 | -24.20 | Average |
| 2 | 3688.375 | -1.22 | 46.77 | 45.55 | 74.00 | -28.45 | Peak |



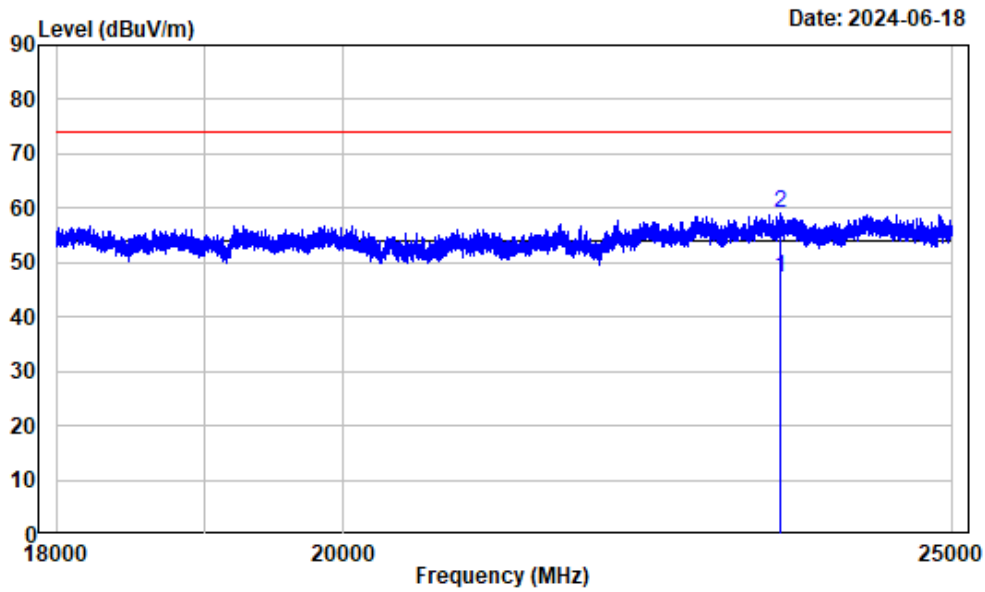
Condition : Horizontal
 Project No.: 2401T36013E-RF
 Tester : Sadow Tan
 Note : BLE 1M_2480

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|-----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 4960.000 | 2.77 | 47.54 | 50.31 | 54.00 | -3.69 | Average |
| 2 | 4960.000 | 2.77 | 52.24 | 55.01 | 74.00 | -18.99 | Peak |
| 3 | 16603.500 | 16.02 | 29.34 | 45.36 | 54.00 | -8.64 | Average |
| 4 | 16603.500 | 16.02 | 44.65 | 60.67 | 74.00 | -13.33 | Peak |



Condition : Vertical
 Project No.: 2401T36013E-RF
 Tester : Sadow Tan
 Note : BLE 1M_2480

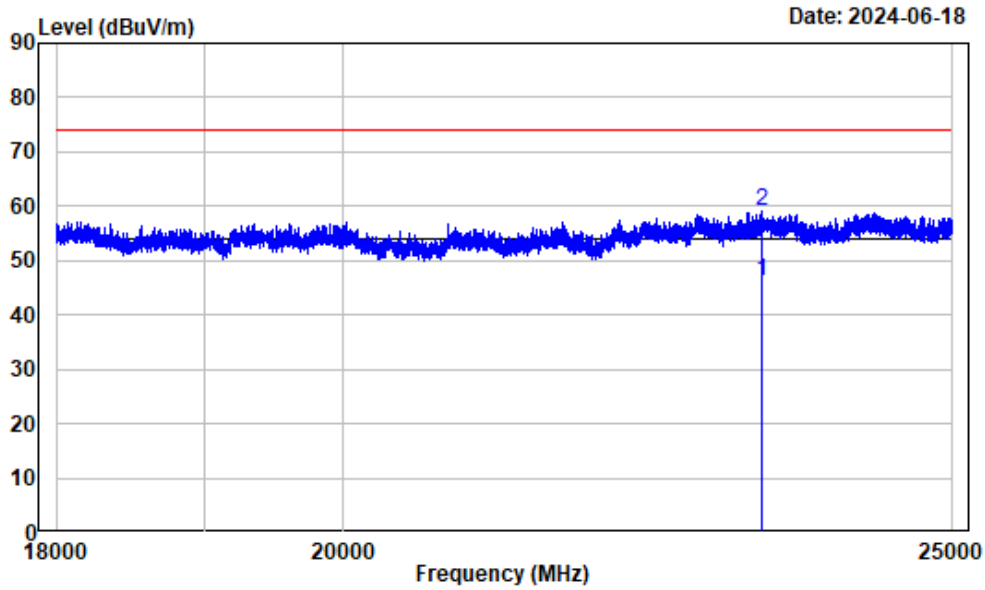
| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|-----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 4960.000 | 2.77 | 45.74 | 48.51 | 54.00 | -5.49 | Average |
| 2 | 4960.000 | 2.77 | 50.61 | 53.38 | 74.00 | -20.62 | Peak |
| 3 | 16498.500 | 15.72 | 30.78 | 46.50 | 54.00 | -7.50 | Average |
| 4 | 16498.500 | 15.72 | 45.98 | 61.70 | 74.00 | -12.30 | Peak |



Date: 2024-06-18

Condition : Horizontal
 Project No.: 2401T36013E-RF
 Tester : Sadow Tan
 Note : BLE 1M_2480

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|-----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 23473.130 | 17.43 | 29.66 | 47.09 | 54.00 | -6.91 | Average |
| 2 | 23473.130 | 17.43 | 41.62 | 59.05 | 74.00 | -14.95 | peak |



Condition : Vertical
 Project No.: 2401T36013E-RF
 Tester : Sadow Tan
 Note : BLE 1M_2480

| | Freq | Factor | Read Level | Level | Limit | Over Limit | Remark |
|---|-----------|--------|------------|--------|--------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 23315.630 | 17.38 | 28.79 | 46.17 | 54.00 | -7.83 | Average |
| 2 | 23315.630 | 17.38 | 41.68 | 59.06 | 74.00 | -14.94 | peak |

6dB Emission Bandwidth

Test Information:

| | | | |
|--------------------|-----------|---------------------|--------------|
| Serial No.: | 2M4N-9 | Test Date: | 2024/06/13 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Jim Cheng | Test Result: | Pass |

Environmental Conditions:

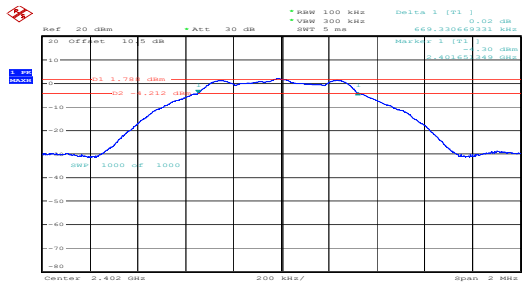
| | | | | | |
|------------------------------|----|----------------------------------|----|-------------------------------|-----|
| Temperature: (°C): | 26 | Relative Humidity: (%) | 57 | ATM Pressure: (kPa) | 101 |
|------------------------------|----|----------------------------------|----|-------------------------------|-----|

BLE 1M

| Mode | Value (MHz) | Limit (MHz) | Result |
|--------|-------------|-------------|--------|
| Low | 0.669 | 0.5 | Pass |
| Middle | 0.667 | 0.5 | Pass |
| High | 0.665 | 0.5 | Pass |

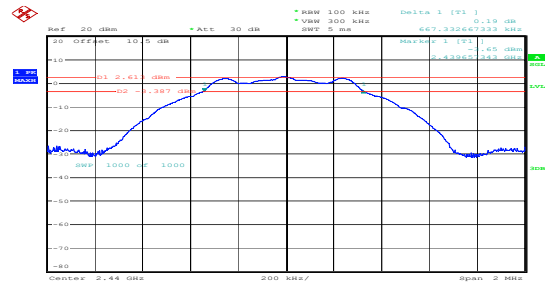
BLE 1M

Low channel 0.669MHz



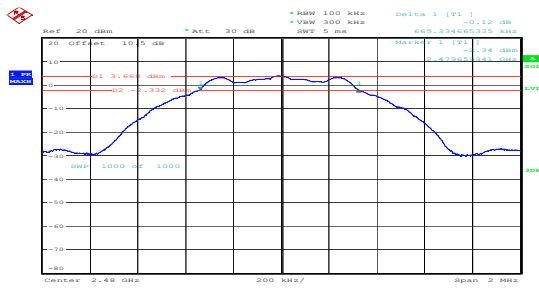
ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.208.2024 11:25:07

Middle channel 0.667MHz



ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.208.2024 11:28:49

High channel 0.665MHz



ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.208.2024 11:34:16

Maximum Conducted Output Power

Test Information:

| | | | |
|--------------------|-----------|---------------------|--------------|
| Serial No.: | 2M4N-9 | Test Date: | 2024/06/13 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Jim Cheng | Test Result: | Pass |

Environmental Conditions:

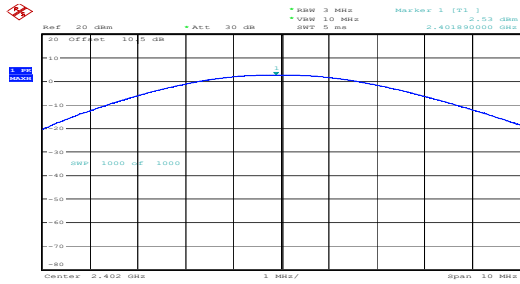
| | | | | | |
|------------------------------|----|----------------------------------|----|-------------------------------|-----|
| Temperature: (°C): | 26 | Relative Humidity: (%) | 57 | ATM Pressure: (kPa) | 101 |
|------------------------------|----|----------------------------------|----|-------------------------------|-----|

BLE 1M

| Mode | Value (dBm) | Limit (dBm) | Result |
|--------|-------------|-------------|--------|
| Low | 2.53 | 30.00 | Pass |
| Middle | 3.47 | 30.00 | Pass |
| High | 4.40 | 30.00 | Pass |

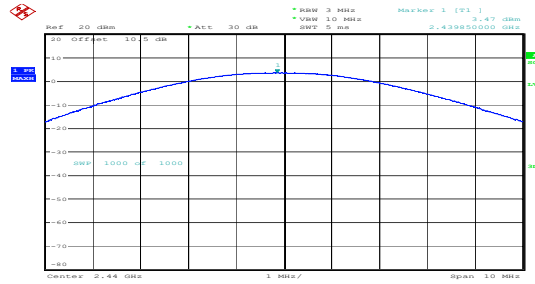
BLE 1M

Low channel 2.53dBm



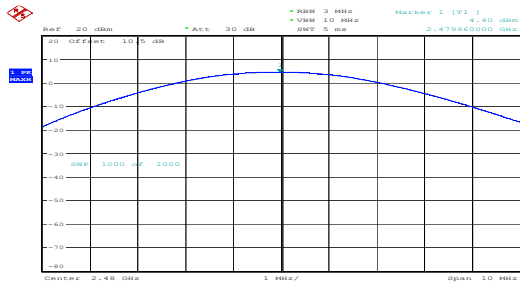
ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:25:56

Middle channel 3.47dBm



ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:29:49

High channel 4.40dBm



ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:35:06

Power Spectral Density

Test Information:

| | | | |
|--------------------|-----------|---------------------|--------------|
| Serial No.: | 2M4N-9 | Test Date: | 2024/06/13 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Jim Cheng | Test Result: | Pass |

Environmental Conditions:

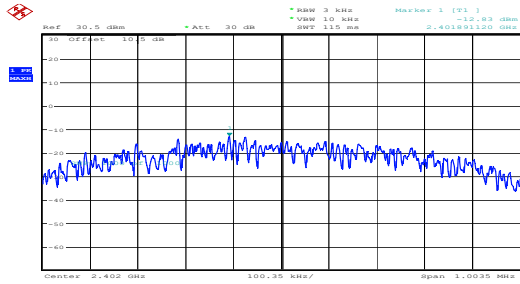
| | | | | | |
|------------------------------|----|----------------------------------|----|-------------------------------|-----|
| Temperature: (°C): | 26 | Relative Humidity: (%) | 57 | ATM Pressure: (kPa) | 101 |
|------------------------------|----|----------------------------------|----|-------------------------------|-----|

BLE 1M

| Mode | Value (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|--------|---------------------|---------------------|--------|
| Low | -12.83 | 8.00 | Pass |
| Middle | -12.51 | 8.00 | Pass |
| High | -10.71 | 8.00 | Pass |

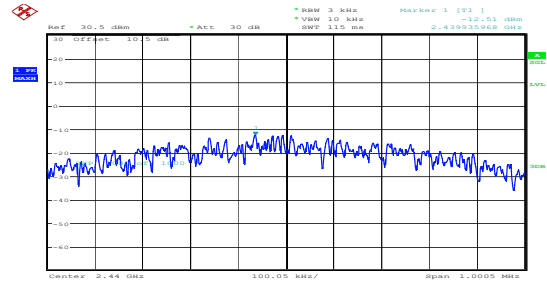
BLE 1M

Low channel -12.83dBm/3kHz



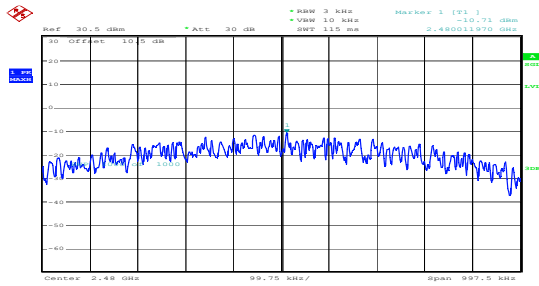
ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:28:04

Middle channel -12.51dBm/3kHz



ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:31:17

High channel -10.71dBm/3kHz



ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:37:13

100 kHz Bandwidth of Frequency Band Edge

Test Information:

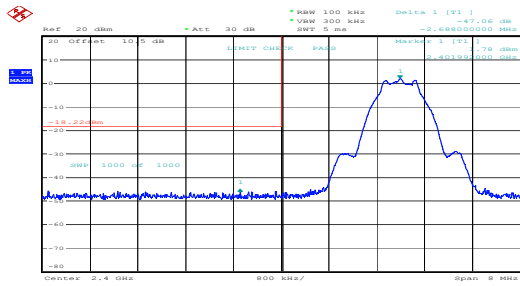
| | | | |
|--------------------|-----------|---------------------|--------------|
| Serial No.: | 2M4N-9 | Test Date: | 2024/06/13 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Jim Cheng | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|-------------------------------|----|---------------------------------------|----|--------------------------------|-----|
| Temperature: (°C): | 26 | Relative Humidity: (%) | 57 | ATM Pressure: (kPa) | 101 |
|-------------------------------|----|---------------------------------------|----|--------------------------------|-----|

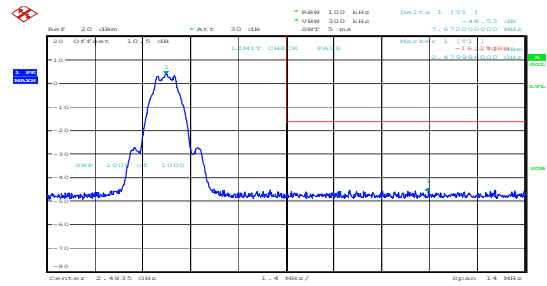
BLE 1M

Low channel



ProjectNo.:2401T36013E-RF Tester:JLM Cheng
Date: 13.2024.2024 11:24:38

High channel



ProjectNo.:2401T36013E-RF Tester:JLM Cheng
Date: 13.2024.2024 11:33:10

Duty Cycle

Test Information:

| | | | |
|--------------------|-----------|---------------------|--------------|
| Serial No.: | 2M4N-9 | Test Date: | 2024/06/13 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Jim Cheng | Test Result: | / |

Environmental Conditions:

| | | | | | |
|------------------------------|----|----------------------------------|----|-------------------------------|-----|
| Temperature: (°C): | 26 | Relative Humidity: (%) | 57 | ATM Pressure: (kPa) | 101 |
|------------------------------|----|----------------------------------|----|-------------------------------|-----|

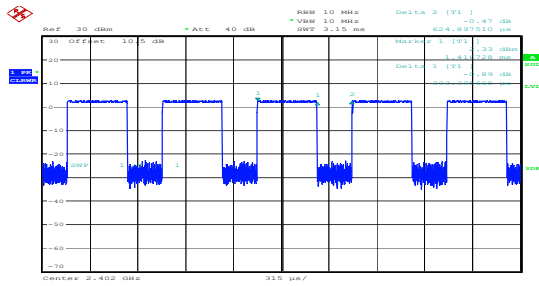
BLE 1M

| Mode | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty Cycle Factor (dB) | 1/T (Hz) | VBW Setting (kHz) |
|--------|----------|---------------|----------------|------------------------|----------|-------------------|
| Low | 0.393 | 0.625 | 62.88 | 2.01 | 2545.0 | 3.000 |
| Middle | 0.393 | 0.625 | 62.88 | 2.01 | 2545.0 | 3.000 |
| High | 0.393 | 0.625 | 62.88 | 2.01 | 2545.0 | 3.000 |

Duty Cycle = Ton/(Ton+Toff)*100%

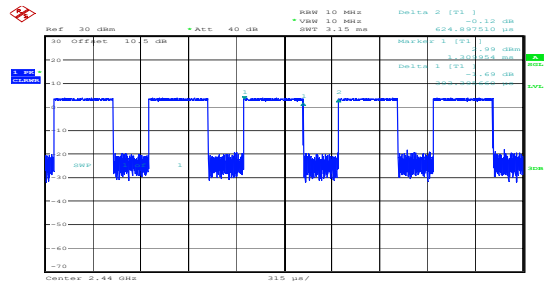
BLE 1M

Low channel



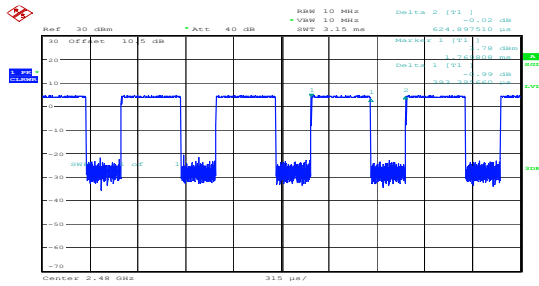
ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:25:23

Middle channel



ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:28:20

High channel



ProjectNo.:2401T36013E-RF Tester:Jin Cheng
Date: 13.2024.2024 11:34:33

RF EXPOSURE EVALUATION

FCC §15.247 (i) & §1.1307 (b) (3) & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247 (i) and subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

| RF Source frequency (MHz) | Threshold ERP (watts) |
|---------------------------|-----------------------|
| 0.3-1.34 | $1,920 R^2$. |
| 1.34-30 | $3,450 R^2/f^2$. |
| 30-300 | $3.83 R^2$. |
| 300-1,500 | $0.0128 R^2f$. |
| 1,500-100,000 | $19.2R^2$. |

R is the minimum separation distance in meters

f = frequency in MHz

Result

| Mode | Frequency (MHz) | Tune up conducted power [#] (dBm) | Antenna Gain# | | ERP | | Evaluation Distance (m) | ERP Limit (W) |
|------|-----------------|--|---------------|-------|-------|--------|-------------------------|---------------|
| | | | (dBi) | (dBd) | (dBm) | (W) | | |
| BLE | 2402-2480 | 5 | 2.54 | 0.39 | 5.39 | 0.0035 | 0.2 | 0.768 |

Note: The tune up conducted power and antenna gain was declared by the applicant.

To maintain compliance with the FCC’s RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant

ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. 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.

Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Antenna Connector Construction

The EUT has one internal antenna arrangement, which was permanently attached, the antenna gain[#] is 2.54dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant

EUT PHOTOGRAPHS

Please refer to the attachment 2401T36013E-RF External photo and 2401T36013E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401T36013E-RF Test Setup photo.

******* END OF REPORT *******