

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

Flydigi Direwolf 3 Gaming Controller, Direwolf 3 Gaming Controller Mechanical Edition

MODEL NUMBER: Direwolf 3

REPORT NUMBER: E04A24080983F00302

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Prepared for

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Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|-----------------------|---------------|------------|
| V0 | September 21, 2024 | Initial Issue | |

Summary of Test Results

| Test Item | Clause | Limit/Requirement | Result |
|---|---|---|--------|
| Antenna Requirement | N/A | FCC Part 15.203/15.247 (c) | Pass |
| AC Power Line Conducted Emission | ANSI C63.10-2013, Clause 6.2 | FCC Part 15.207 | Pass |
| Conducted Output Power | ANSI C63.10-2013, Clause 11.9.1.3 | FCC Part 15.247 (b)(3) | Pass |
| 6dB Bandwidth | ANSI C63.10-2013, Clause 11.8.1 | FCC Part 15.247 (a)(2) | Pass |
| Power Spectral Density | ANSI C63.10-2013, Clause 11.10.2 | FCC Part 15.247 (e) | Pass |
| Conducted Band edge and spurious emission | ANSI C63.10-2013, Clause 11.11 | FCC Part 15.247(d) | Pass |
| Radiated Band edge and Spurious Emission | ANSI C63.10-2013, Clause 11.11 & Clause 11.12 | FCC Part 15.247 (d) FCC Part 15.205/15.209 | Pass |
| Duty Cycle | ANSI C63.10-2013, Clause 11.6 | None; for reporting purposes only. | Pass |

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C> when <Accuracy Method> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Shanghai Flydigi Electronics Technology Co.,Ltd.
Address: Rm 1108, No.258 Guoxia Rd, Yangpu District, Shanghai, China.

Manufacturer Information

Company Name: SHENZHEN KING CHUANG TECH & ELECTRONIC CO.,LTD
Address: 58 Guangtian Road, Luotian Neighbour, Yanluo Street, Baoan District, Shenzhen, China (Postal Code 518127)

EUT Information

Product Description: Flydigi Direwolf 3 Gaming Controller, Direwolf 3 Gaming Controller Mechanical Edition
Model: Direwolf 3
Serial Model: N/A
Brand: FLYDIGI
Sample Received Date: August 28, 2024
Sample Status: Normal
Sample ID: A24080983 003
Date of Tested: August 28, 2024 to September 11, 2024

| APPLICABLE STANDARDS | |
|------------------------------|--------------|
| STANDARD | TEST RESULTS |
| CFR 47 FCC PART 15 SUBPART C | Pass |

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Project Engineer

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Laboratory Manager



2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C

3. FACILITIES AND ACCREDITATION

| | |
|---------------------------|--|
| Accreditation Certificate | <p>A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules</p> <p>ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.</p> |
|---------------------------|--|

Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Test Items | k | Uncertainty |
|--|------|---|
| DTS Bandwidth | 1.96 | ±9.2 PPM |
| 20dB Emission Bandwidth | 1.96 | ±9.2 PPM |
| Carrier Frequency Separation | 1.96 | ±9.2 PPM |
| Time of Occupancy | 1.96 | ±0.57% |
| Conducted Output Power | 1.96 | ±1.5 dB |
| Power Spectral Density Level | 1.96 | ±1.9 dB |
| Conducted Spurious Emission | 1.96 | 9 kHz-30 MHz: ± 0.95 dB 30 MHz-1 GHz: ± 1.5 dB 1GHz-12.75GHz: ± 1.8 dB 12.75 GHz-26.5 GHz: ± 2.1dB |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96. | | |

| Test Item | Measurement Frequency Range | K | U(dB) |
|---|-----------------------------|---|-------|
| Conducted emissions from the AC mains power ports (AMN) | 150 kHz ~ 30 MHz | 2 | 3.37 |
| Radiated emissions | 9 kHz ~ 30 MHz | 2 | 4.16 |
| Radiated emissions | 30 MHz ~ 1 GHz | 2 | 3.79 |
| Radiated emissions | 1 GHz ~ 18 GHz | 2 | 5.62 |
| Radiated emissions | 18 GHz ~ 40 GHz | 2 | 5.54 |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. | | | |

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

| | | |
|------------------|---------|---|
| EUT Name | | Flydigi Direwolf 3 Gaming Controller, Direwolf 3 Gaming Controller Mechanical Edition |
| Model | | Direwolf 3 |
| Hardware Version | | V0 |
| Software Version | | V0 |
| Ratings | | 5V \Rightarrow 1A |
| Power Supply | DC | 5V \Rightarrow 1A |
| | Battery | DC 3.7V, 800mAh |

| | |
|----------------------|------------------------|
| Frequency Band: | 2400 MHz to 2483.5 MHz |
| Frequency Range: | 2402 MHz to 2480 MHz |
| Bluetooth Version: | Bluetooth 5.0 |
| Bluetooth Mode: | Bluetooth LE |
| Type of Modulation: | GFSK |
| Number of Channels: | 40 |
| Channel Separation: | 2 MHz |
| Maximum Peak Power: | 2.96dBm |
| Antenna Type: | Internal antenna |
| Antenna Gain: | 0dBi |
| Normal Test Voltage: | 5 Vdc |
| EUT Test software: | EMI_Test_Tool |

5.2. CHANNEL LIST

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

5.3. MAXIMUM CONDUCTED OUTPUT POWER

| Test Mode | Frequency (MHz) | Channel Number | Maximum Peak Output Power (dBm) |
|-----------|-----------------|----------------|---------------------------------|
| LE 1M | 2402 ~ 2480 | 0-39[40] | 2.96 |
| LE 2M | 2402 ~ 2480 | 0-39[40] | 2.27 |

5.4. TEST CHANNEL CONFIGURATION

| Test Mode | Test Channel | Frequency |
|-----------|---|------------------------------|
| LE 1M | CH 0(Low Channel), CH 19(MID Channel), CH 39(High Channel) | 2402 MHz, 2440 MHz, 2480 MHz |
| LE 2M | CH 0(Low Channel), CH 19(MID Channel), CH 39(High Channel) | 2402 MHz, 2440 MHz, 2480 MHz |

5.5. THE WORSE CASE POWER SETTING PARAMETER

| The Worst Case Power Setting Parameter under 2400 ~ 2483.5MHz Band | | | | |
|--|-------------------------|-----------------------------|---------|---------|
| Test Software Version | | RFTTest_0901_boxed_.exe | | |
| Modulation Type | Transmit Antenna Number | Test Software setting value | | |
| | | CH 0 | CH 19 | CH 39 |
| GFSK(1Mbps) | 1 | default | default | default |
| GFSK(2Mbps) | 1 | default | default | default |

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

| Antenna | Frequency (MHz) | Antenna Type | MAX Antenna Gain (dBi) |
|---------|-----------------|------------------|------------------------|
| 1 | 2402-2480 | Internal antenna | 0dBi |

| Test Mode | Transmit and Receive Mode | Description |
|-----------|--|--|
| LE 1M | <input checked="" type="checkbox"/> 1TX, 1RX | Antenna 1 can be used as transmitting/receiving antenna. |
| LE 2M | <input checked="" type="checkbox"/> 1TX, 1RX | Antenna 1 can be used as transmitting/receiving antenna. |
| Note: | | |

5.7. SUPPORT UNITS FOR SYSTEM TEST

The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note |
|------|-----------|-----------|----------------|------------|-------------|
| E-1 | Adapter | Xiaomi | MDY-11-EX | N/A | GTG Support |
| E-2 | PC | Lenovo | B4650-D002 | M90601U3 | GTG Support |

The following cables were used to form a representative test configuration during the tests.

| Item | Type of cable | Shielded Type | Ferrite Core | Length |
|------|---------------|---------------|-----------------|--------|
| C-1 | USB cable | Shielded | without ferrite | 0.33 m |

5.8. SETUP DIAGRAM

Radiated emissions:



6. MEASURING EQUIPMENT AND SOFTWARE USED

| Test Equipment of Conducted RF | | | | | |
|-------------------------------------|-----------------|----------------------|-------------|------------|------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 102257 | 2023/09/18 | 2024/09/17 |
| Spectrum Analyzer | KEYSIGHT | N9020A | MY51285127 | 2023/09/18 | 2024/09/17 |
| EXG Analog Signal Generator | KEYSIGHT | N5173B | MY61253075 | 2023/09/18 | 2024/09/17 |
| Vector Signal Generator | Rohde & Schwarz | SMM100A | 101899 | 2023/09/18 | 2024/09/17 |
| RF Control box | MWRF-test | MW100-RFCB | MW220926GTG | 2023/09/18 | 2024/09/17 |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW270 | 102792 | 2023/09/18 | 2024/09/17 |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500 | 103235 | 2023/09/18 | 2024/09/17 |
| temperature humidity chamber | Espec | SH-241 | SH-241-2014 | 2023/09/18 | 2024/09/17 |
| RF Test Software | MWRF-test | MTS8310E (Ver. V2/0) | N/A | N/A | N/A |

| Test Equipment of Radiated emissions below 1GHz | | | | | |
|---|-----------------|-------------------------|------------|------------|------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| 3m Semi-anechoic Chamber | ETS | 9m*6m*6m | Q2146 | 2022/08/30 | 2025/08/29 |
| EMI Test Receiver | Rohde & Schwarz | ESC13 | 101409 | 2023/09/18 | 2024/09/17 |
| Spectrum Analyzer | KEYSIGHT | N9020A | MY51283932 | 2023/09/18 | 2024/09/17 |
| Pre-Amplifier | HzEMC | HPA-9K0130 | HYP A21001 | 2023/09/18 | 2024/09/17 |
| Biconilog Antenna | Schwarzbeck | VULB 9168 | 01315 | 2022/10/10 | 2025/10/09 |
| Biconilog Antenna | ETS | 3142E | 00243646 | 2022/03/23 | 2025/03/22 |
| Loop Antenna | ETS | 6502 | 243668 | 2022/03/30 | 2025/03/29 |
| Test Software | Farad | EZ-EMC (Ver.FA-03A2 RE) | N/A | N/A | N/A |

| Test Equipment of Radiated emissions above 1GHz | | | | | |
|---|-----------------|------------|------------|------------|------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| 3m Semi-anechoic Chamber | ETS | 9m*6m*6m | Q2149 | 2022/08/30 | 2025/08/29 |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101413 | 2023/09/18 | 2024/09/17 |
| Spectrum Analyzer | KEYSIGHT | N9020A | MY51283932 | 2023/09/18 | 2024/09/17 |
| Pre-Amplifier | A-INFO | HPA-1G1850 | HYP A21003 | 2023/09/18 | 2024/09/17 |
| Horn antenna | A-INFO | 3117 | 246069 | 2022/03/11 | 2025/03/10 |
| Pre-Amplifier | ZKJC | HPA-184057 | HYP A21004 | 2023/09/18 | 2024/09/17 |

| | | | | | |
|---------------|-------|--------------------------------|--------|------------|------------|
| Horn antenna | ZKJC | 3116C | 246265 | 2022/03/29 | 2025/03/28 |
| Test Software | Farad | EZ-EMC (Ver.FA-03A2 RE+) | N/A | N/A | N/A |

| Test Equipment of Conducted emissions | | | | | |
|---------------------------------------|-----------------|------------------------------------|------------|------------|------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| Shielded Room | CHENG YU | 8m*5m*4m | N/A | 2022/10/29 | 2025/10/28 |
| EMI Test Receiver | Rohde & Schwarz | ESR3 | 102647 | 2023/09/18 | 2024/09/17 |
| LISN/AMN | Rohde & Schwarz | ENV216 | 102843 | 2023/09/18 | 2024/09/17 |
| NNLK 8129 RC | Schwarzbeck | NNLK 8129 RC | 5046 | 2023/09/18 | 2024/09/17 |
| Test Software | Farad | EZ-EMC (Ver. EMC-con-3A1 1+) | N/A | N/A | N/A |

7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

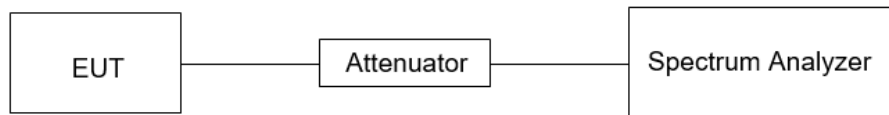
| CFR 47 FCC Part15 (15.247) Subpart C | | | |
|--------------------------------------|---------------------------|------------------|-----------------------|
| Section | Test Item | Limit | Frequency Range (MHz) |
| CFR 47 FCC 15.247(b)(3) | Peak Conduct Output Power | 1 watt or 30 dBm | 2400-2483.5 |

TEST PROCEDURE

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).

Measure peak emission level, the indicated level is the peak output power, after any corrections for external attenuators and cables.

TEST SETUP



TEST ENVIRONMENT

| | | | |
|---------------------|--------|-------------------|-----|
| Temperature | 24.4°C | Relative Humidity | 43% |
| Atmosphere Pressure | 101kPa | | |

TEST RESULTS

Please refer to section "Test Data" - Appendix B

7.2. 6DB BANDWIDTH

LIMITS

| CFR 47 FCC Part15 (15.247) Subpart C | | | |
|--------------------------------------|----------------|----------------|-----------------------|
| Section | Test Item | Limit | Frequency Range (MHz) |
| CFR 47 FCC 15.247(a)(2) | 6 dB Bandwidth | ≥ 500 kHz | 2400-2483.5 |

TEST PROCEDURE

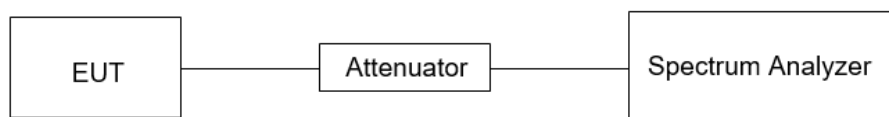
Refer to ANSI C63.10-2013 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

Connect the EUT to the spectrum analyser and use the following settings:

| | |
|------------------|---|
| Center Frequency | The center frequency of the channel under test |
| Frequency Span | For 6 dB Bandwidth: Enough to capture all products of the modulation carrier emission |
| Detector | Peak |
| RBW | For 6 dB Bandwidth: 100 kHz |
| VBW | For 6 dB Bandwidth: $\geq 3 \times$ RBW |
| Trace | Max hold |
| Sweep | Auto couple |

a) Allow the trace to stabilize and 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.

TEST SETUP



TEST ENVIRONMENT

| | | | |
|---------------------|--------|-------------------|-----|
| Temperature | 24.4°C | Relative Humidity | 43% |
| Atmosphere Pressure | 101kPa | | |

TEST RESULTS

Please refer to section "Test Data" - Appendix B

7.3. POWER SPECTRAL DENSITY

LIMITS

| CFR 47 FCC Part15 (15.247) Subpart C | | | |
|--------------------------------------|------------------------|-------------------------|-----------------------|
| Section | Test Item | Limit | Frequency Range (MHz) |
| CFR 47 FCC §15.247 (e) | Power Spectral Density | 8 dBm in any 3 kHz band | 2400-2483.5 |

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.10.

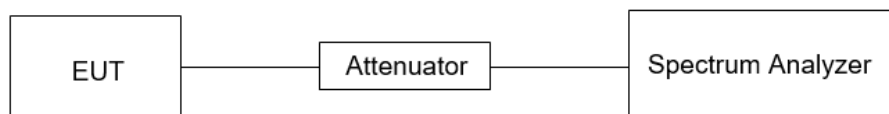
Connect the EUT to the spectrum analyser and use the following settings:

| | |
|------------------|--|
| Center Frequency | The center frequency of the channel under test |
| Detector | PEAK |
| RBW | $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ |
| VBW | $\geq 3 \times \text{RBW}$ |
| Span | 1.5 x DTS bandwidth |
| Trace | Max hold |
| Sweep time | Auto couple |

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST SETUP



TEST ENVIRONMENT

| | | | |
|---------------------|--------|-------------------|-----|
| Temperature | 24.4°C | Relative Humidity | 43% |
| Atmosphere Pressure | 101kPa | | |

TEST RESULTS

Please refer to section "Test Data" - Appendix B

7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

| CFR 47 FCC Part15 (15.247) Subpart C | | |
|--------------------------------------|---|---|
| Section | Test Item | Limit |
| CFR 47 FCC §15.247 (d) | Conducted Bandedge and Spurious Emissions | at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power |

LIMITS

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.11 and 11.13.

Connect the EUT to the spectrum analyser and use the following settings for reference level measurement:

| | |
|------------------|--|
| Center Frequency | The center frequency of the channel under test |
| Detector | Peak |
| RBW | 100 kHz |
| VBW | $\geq 3 \times \text{RBW}$ |
| Span | 1.5 x DTS bandwidth |
| Trace | Max hold |
| Sweep time | Auto couple. |

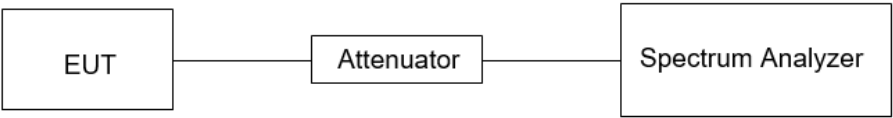
Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

Change the settings for emission level measurement:

| | |
|--------------------|---|
| Span | Set the center frequency and span to encompass frequency range to be measured |
| Detector | Peak |
| RBW | 100 kHz |
| VBW | $\geq 3 \times \text{RBW}$ |
| measurement points | $\geq \text{span}/\text{RBW}$ |
| Trace | Max hold |
| Sweep time | Auto couple. |

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11.

TEST SETUP



TEST ENVIRONMENT

| | | | |
|---------------------|--------|-------------------|-----|
| Temperature | 24.4℃ | Relative Humidity | 43% |
| Atmosphere Pressure | 101kPa | | |

TEST RESULTS

Please refer to section "Test Data" - Appendix B

7.5. DUTY CYCLE

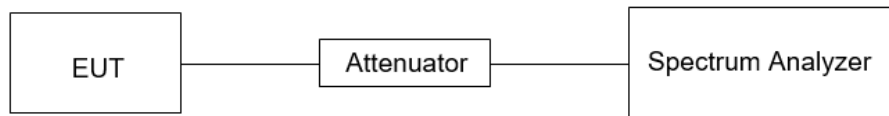
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.6 Zero – Span Spectrum Analyzer method.

TEST SETUP



TEST ENVIRONMENT

| | | | |
|---------------------|--------|-------------------|-----|
| Temperature | 24.4°C | Relative Humidity | 43% |
| Atmosphere Pressure | 101kPa | | |

TEST RESULTS

Please refer to section "Test Data" - Appendix B

8. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

| Emissions radiated outside of the specified frequency bands above 30 MHz | | | |
|--|---------------------------------------|---|---------|
| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m | |
| | | Quasi-Peak | |
| 30 - 88 | 100 | 40 | |
| 88 - 216 | 150 | 43.5 | |
| 216 - 960 | 200 | 46 | |
| Above 960 | 500 | 54 | |
| Above 1000 | 500 | Peak | Average |
| | | 74 | 54 |

| FCC Emissions radiated outside of the specified frequency bands below 30 MHz | | |
|--|-----------------------------------|-------------------------------|
| Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) |
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30.0 | 30 | 30 |

FCC Restricted bands of operation refer to FCC §15.205 (a):

| MHz | MHz | MHz | GHz |
|--------------------------|---------------------|---------------|------------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| ¹ 0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | (²) |
| 13.36-13.41 | | | |

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyser

| | |
|-------|--|
| RBW | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
| VBW | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
| Sweep | Auto |

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
2. The EUT was arranged to its worst case and then 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. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. 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 and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
8. measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, W dB, to the limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyser

| | |
|----------|----------|
| RBW | 120 kHz |
| VBW | 300 kHz |
| Sweep | Auto |
| Detector | Peak/QP |
| Trace | Max hold |

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.

2. 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. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. 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.

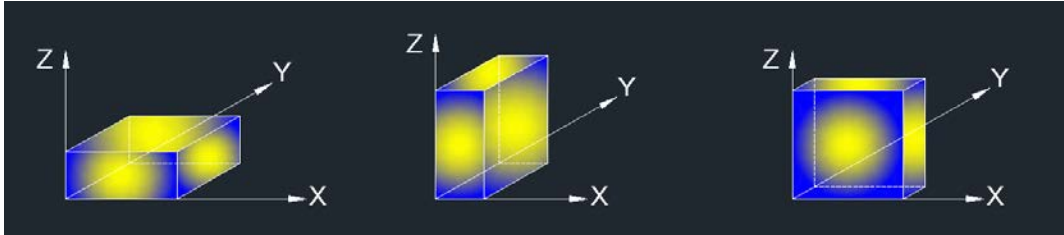
Above 1G

The setting of the spectrum analyser

| | |
|----------|--------------------------------|
| RBW | 1 MHz |
| VBW | PEAK: 3 MHz AVG: see note 6 |
| Sweep | Auto |
| Detector | Peak |
| Trace | Max hold |

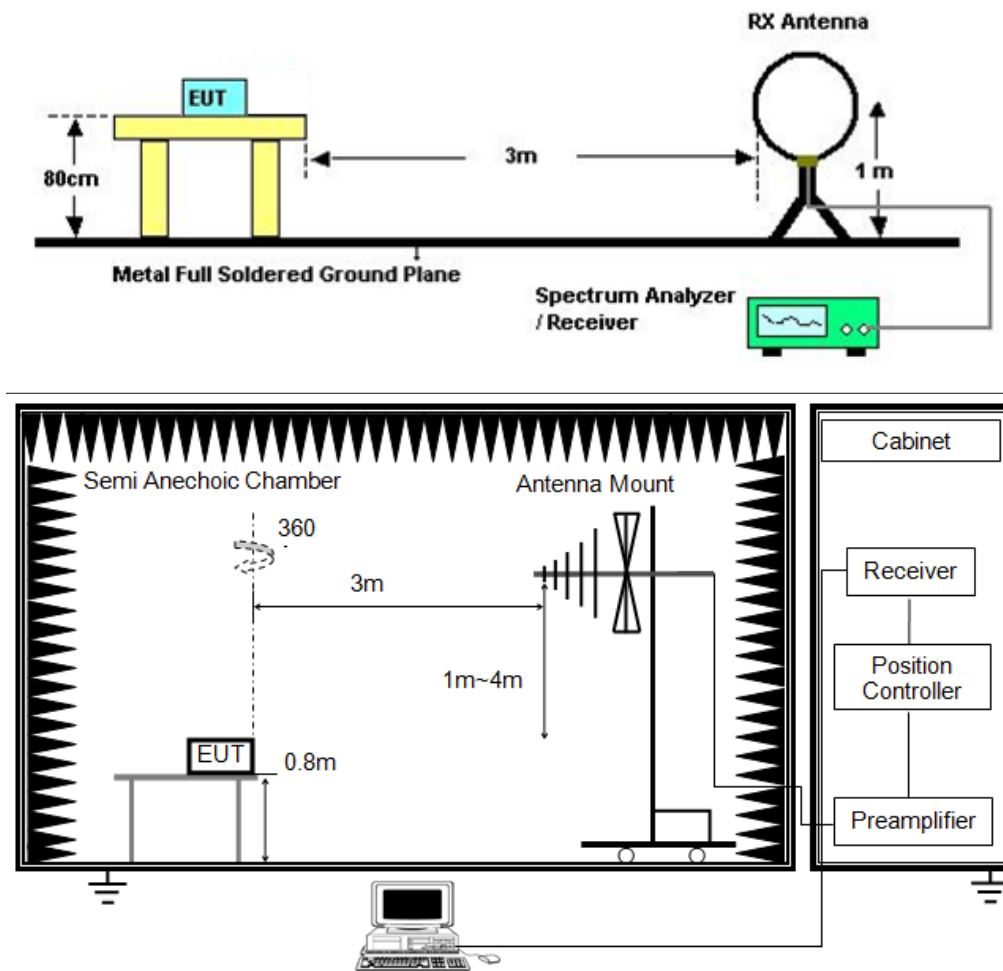
1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.1.ON TIME AND DUTY CYCLE.

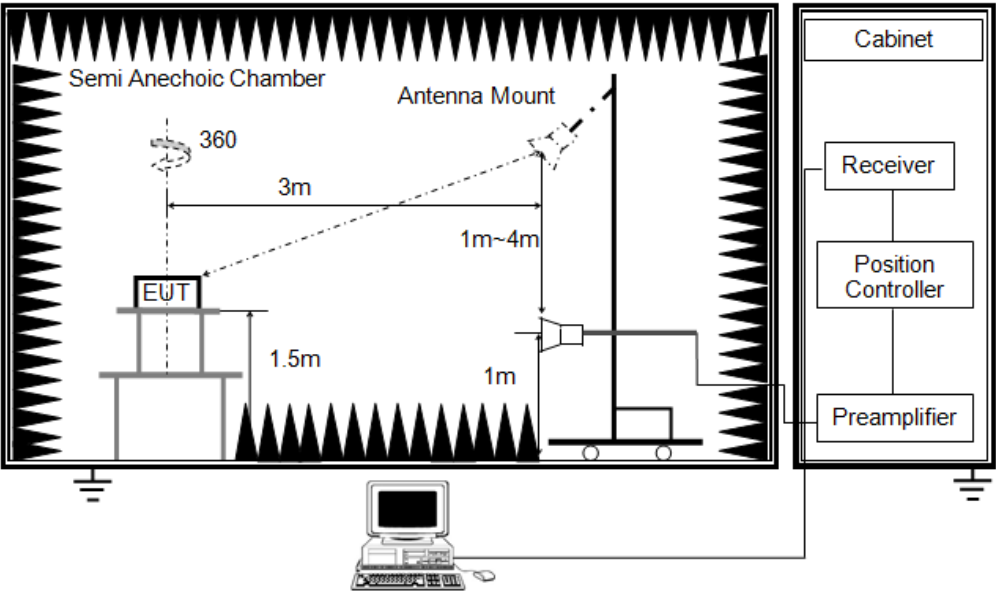
X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

TEST SETUP





TEST ENVIRONMENT

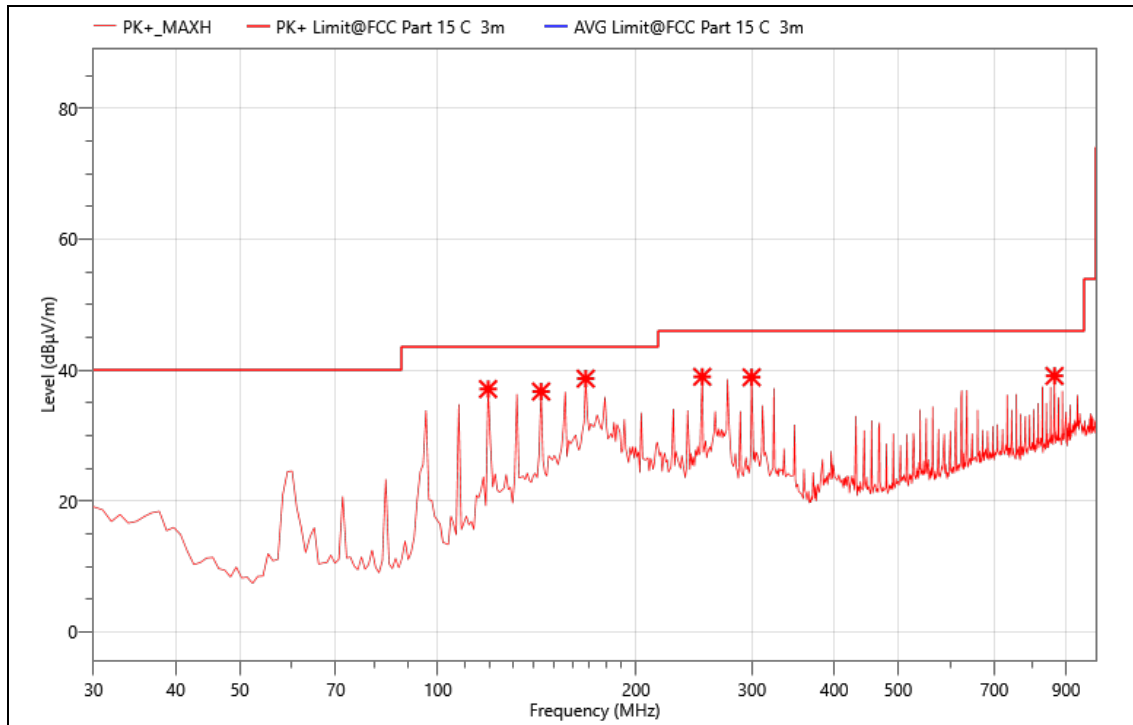
| | | | |
|---------------------|--------|-------------------|-----|
| Temperature | 23.2℃ | Relative Humidity | 51% |
| Atmosphere Pressure | 101kPa | | |

TEST RESULTS

- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)

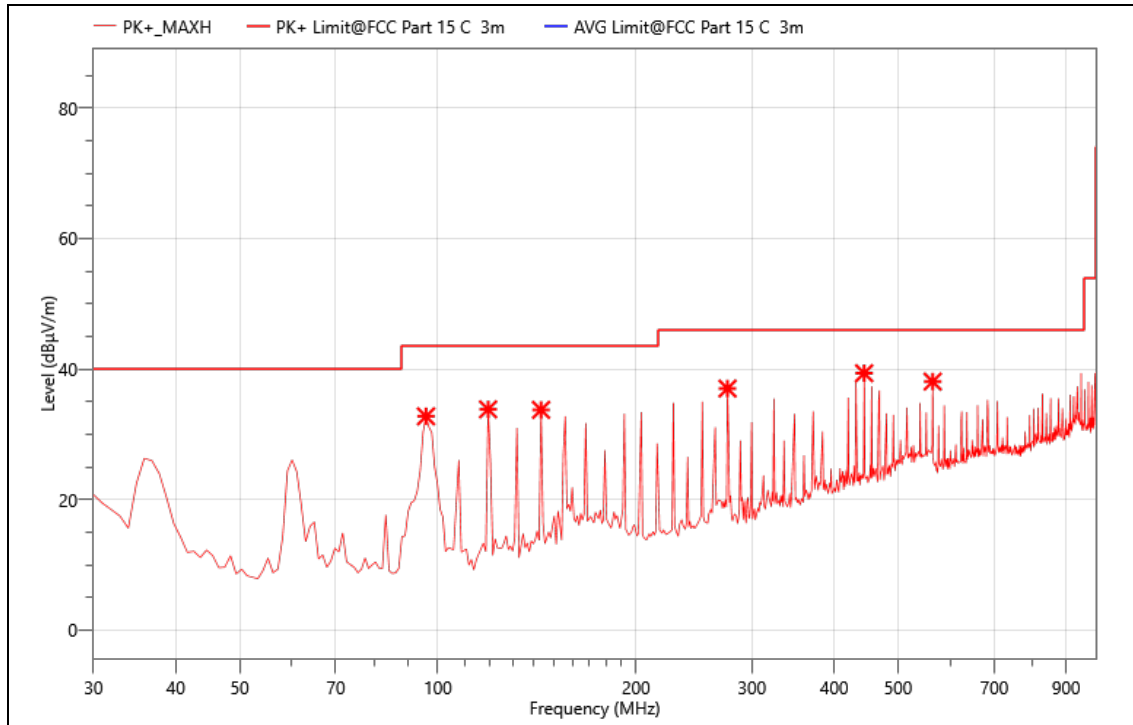
The worst result as bellow:

| | |
|--------|--------------------|
| Mode: | BLE1M-2402 |
| Power: | DC 5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |

**Critical_Freqs**

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 119.240 | 55.56 | -18.45 | 37.11 | 43.50 | 6.39 | PK+ | H |
| 2 | 143.490 | 53.64 | -16.91 | 36.73 | 43.50 | 6.77 | PK+ | H |
| 3 | 167.740 | 54.90 | -16.2 | 38.70 | 43.50 | 4.80 | PK+ | H |
| 4 | 252.130 | 51.54 | -12.56 | 38.98 | 46.00 | 7.02 | PK+ | H |
| 5 | 299.660 | 51.48 | -12.58 | 38.90 | 46.00 | 7.10 | PK+ | H |
| 6 | 864.200 | 37.71 | 1.4 | 39.11 | 46.00 | 6.89 | PK+ | H |

| | |
|--------|--------------------|
| Mode: | BLE1M-2402 |
| Power: | DC 5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 95.960 | 51.25 | -18.48 | 32.77 | 43.50 | 10.73 | PK+ | V |
| 2 | 119.240 | 52.29 | -18.45 | 33.84 | 43.50 | 9.66 | PK+ | V |
| 3 | 143.490 | 50.67 | -16.91 | 33.76 | 43.50 | 9.74 | PK+ | V |
| 4 | 275.410 | 49.76 | -12.74 | 37.02 | 46.00 | 8.98 | PK+ | V |
| 5 | 444.190 | 47.17 | -7.8 | 39.37 | 46.00 | 6.63 | PK+ | V |
| 6 | 564.470 | 42.16 | -4.07 | 38.09 | 46.00 | 7.91 | PK+ | V |

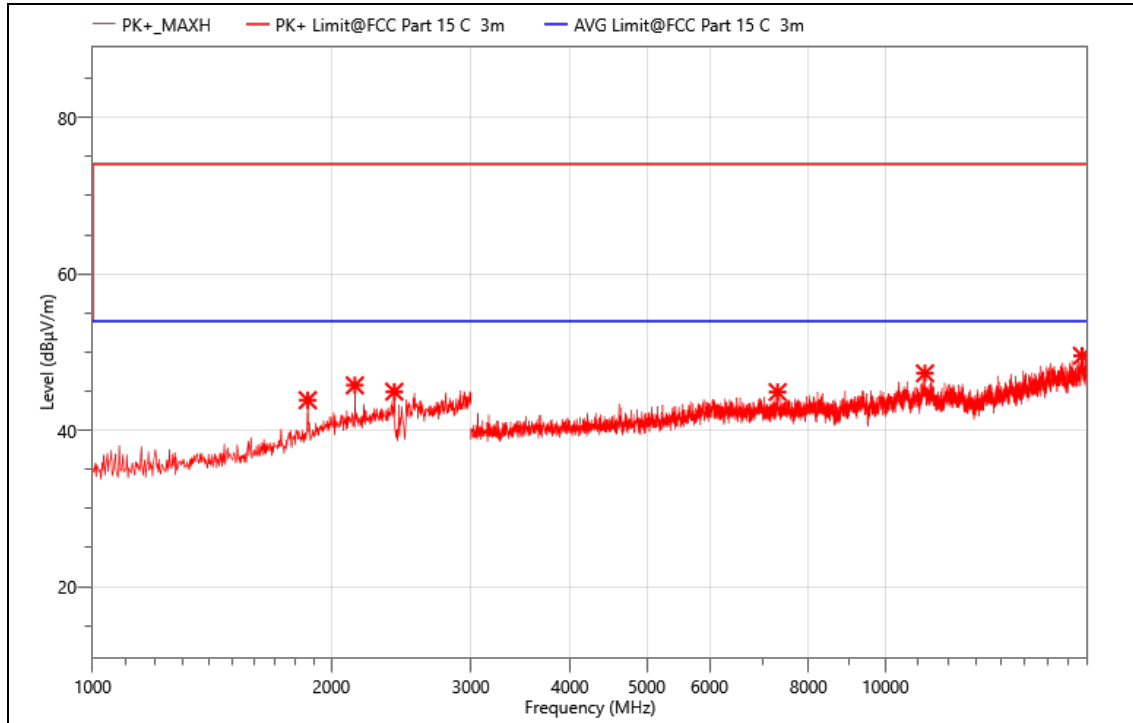
Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

- Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

The worst result as below:

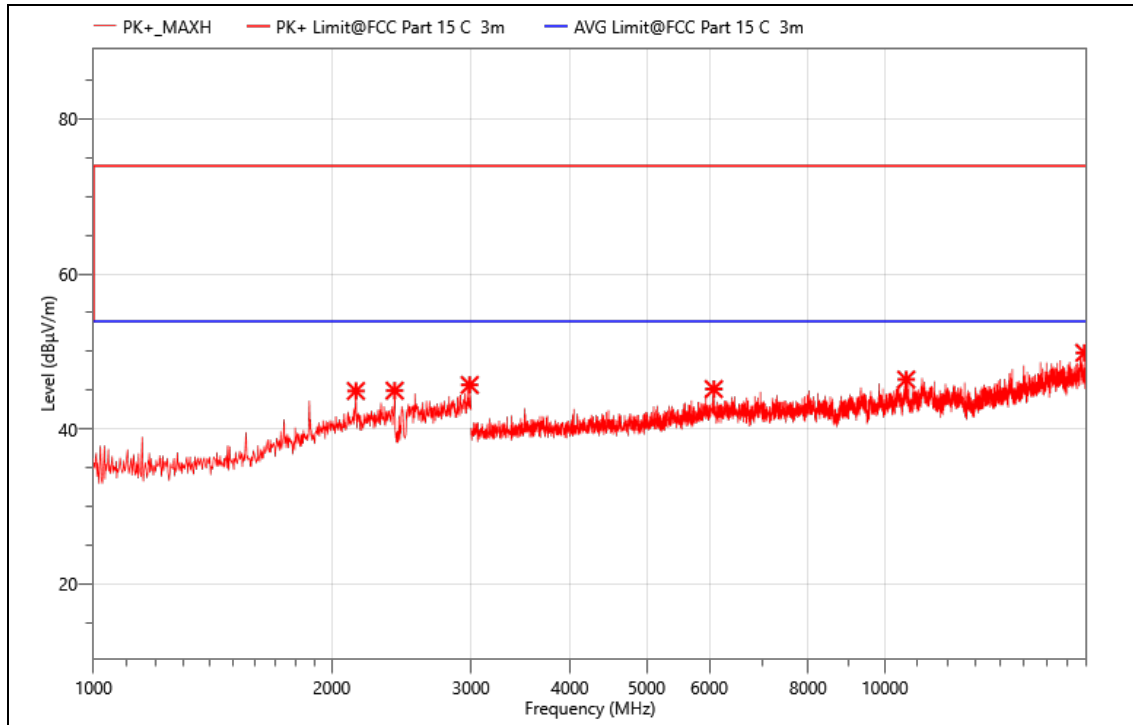
| | |
|--------|--------------------|
| Mode: | BLE1M-2402 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμ V) | Corr. (dB) | Meas. (dBμ V/m) | Limit (dBμ V/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|-----------------|------------|-----------------|-----------------|-------------|------|------|
| 1 | 1868.000 | 54.24 | - | 43.86 | 74.00 | 30.14 | PK+ | H |
| 2 | 2142.000 | 54.81 | -9.05 | 45.76 | 74.00 | 28.24 | PK+ | H |
| 3 | 2402.000 | 53.48 | -8.53 | 44.95 | 74.00 | 29.05 | PK+ | H |
| 4 | 7312.500 | 50.90 | -6 | 44.90 | 74.00 | 29.10 | PK+ | H |
| 5 | 11221.500 | 49.55 | -2.26 | 47.29 | 74.00 | 26.71 | PK+ | H |
| 6 | 17709.000 | 47.56 | 1.98 | 49.54 | 74.00 | 24.46 | PK+ | H |

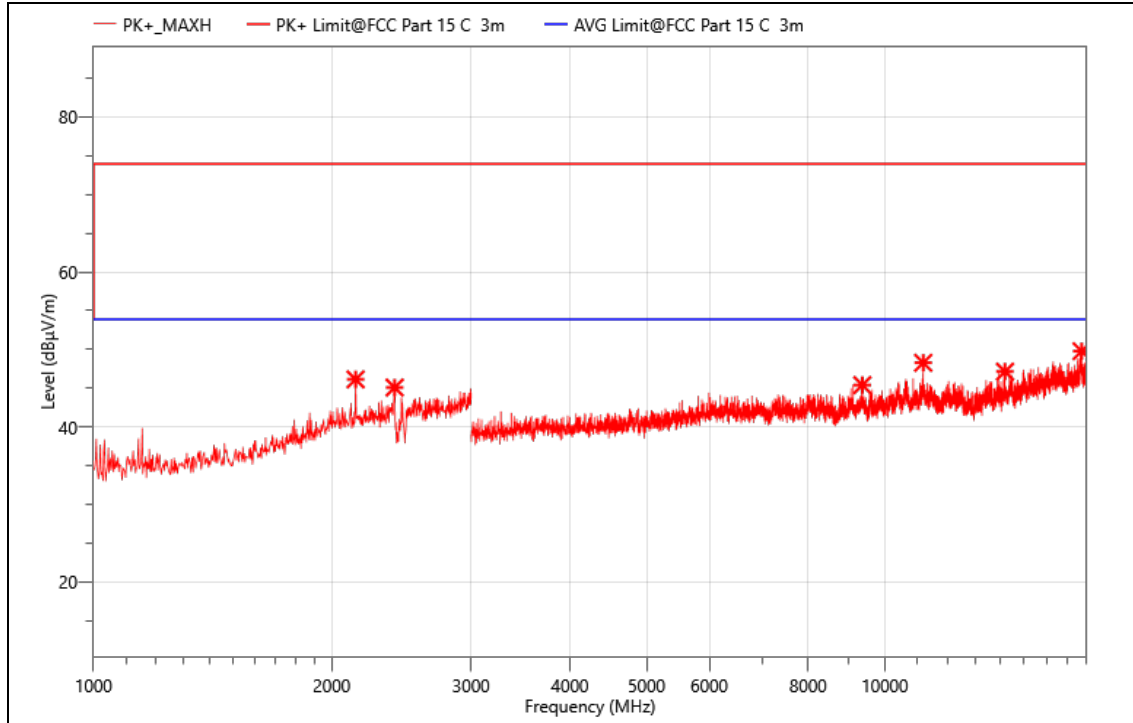
| | |
|--------|--------------------|
| Mode: | BLE1M-2402 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 2146.000 | 53.95 | -9.05 | 44.90 | 74.00 | 29.10 | PK+ | V |
| 2 | 2402.000 | 53.47 | -8.53 | 44.94 | 74.00 | 29.06 | PK+ | V |
| 3 | 2988.000 | 52.65 | -6.97 | 45.68 | 74.00 | 28.32 | PK+ | V |
| 4 | 6081.000 | 52.20 | -7.05 | 45.15 | 74.00 | 28.85 | PK+ | V |
| 5 | 10644.000 | 49.78 | -3.4 | 46.38 | 74.00 | 27.62 | PK+ | V |
| 6 | 17877.000 | 47.33 | 2.5 | 49.83 | 74.00 | 24.17 | PK+ | V |

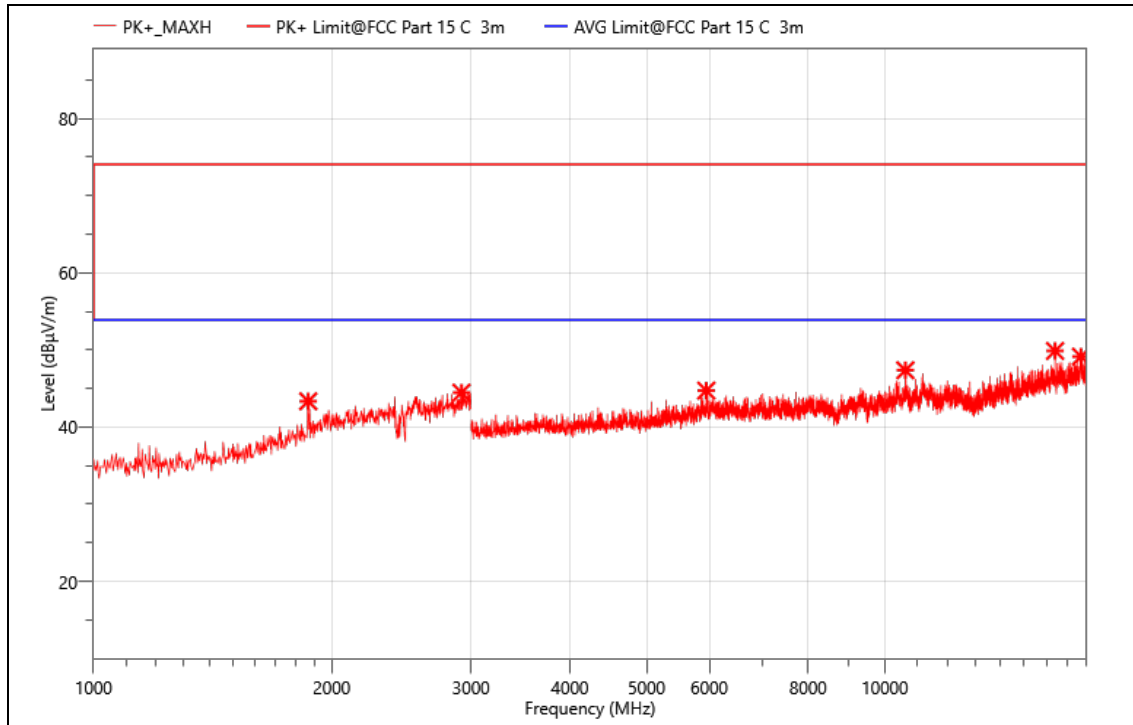
| | |
|--------|--------------------|
| Mode: | BLE1M-2440 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 2144.000 | 55.19 | -9.05 | 46.14 | 74.00 | 27.86 | PK+ | V |
| 2 | 2402.000 | 53.62 | -8.53 | 45.09 | 74.00 | 28.91 | PK+ | V |
| 3 | 9367.500 | 50.95 | -5.54 | 45.41 | 74.00 | 28.59 | PK+ | V |
| 4 | 11185.500 | 50.86 | -2.58 | 48.28 | 74.00 | 25.72 | PK+ | V |
| 5 | 14188.500 | 48.42 | -1.28 | 47.14 | 74.00 | 26.86 | PK+ | V |
| 6 | 17733.000 | 48.17 | 1.61 | 49.78 | 74.00 | 24.22 | PK+ | V |

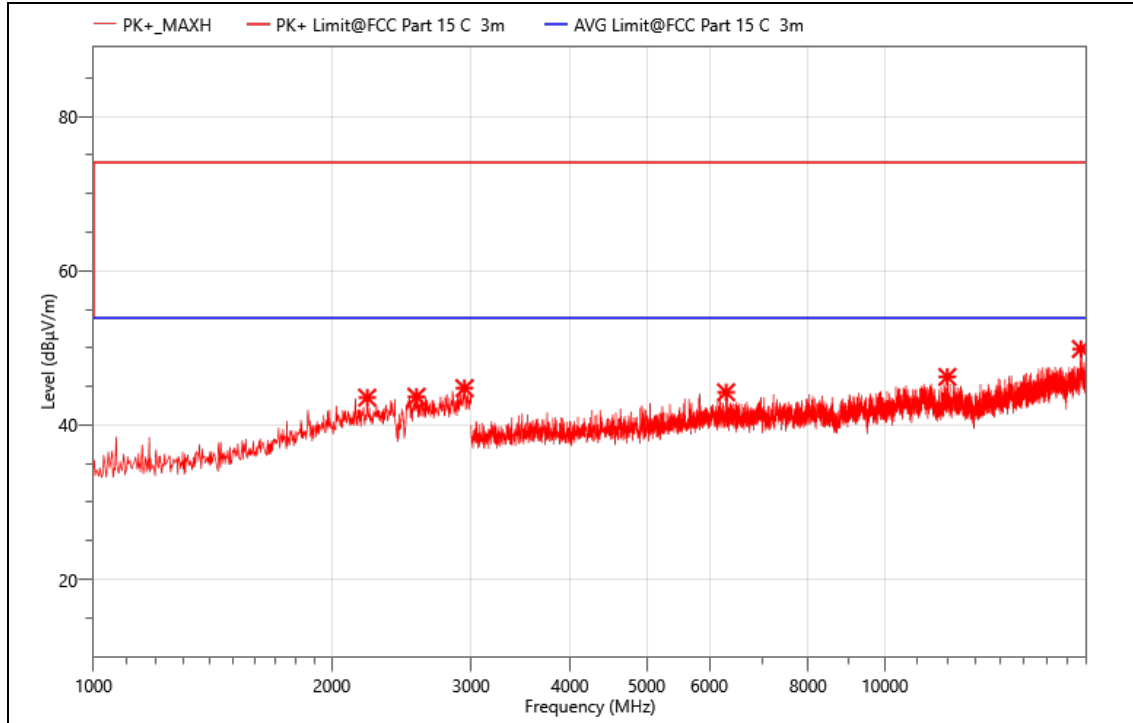
| | |
|--------|--------------------|
| Mode: | BLE1M-2440 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 1868.000 | 53.73 | -10.38 | 43.35 | 74.00 | 30.65 | PK+ | H |
| 2 | 2918.000 | 52.11 | -7.63 | 44.48 | 74.00 | 29.52 | PK+ | H |
| 3 | 5949.000 | 52.40 | -7.66 | 44.74 | 74.00 | 29.26 | PK+ | H |
| 4 | 10617.000 | 50.61 | -3.23 | 47.38 | 74.00 | 26.62 | PK+ | H |
| 5 | 16411.500 | 49.13 | 0.75 | 49.88 | 74.00 | 24.12 | PK+ | H |
| 6 | 17700.000 | 46.97 | 2.18 | 49.15 | 74.00 | 24.85 | PK+ | H |

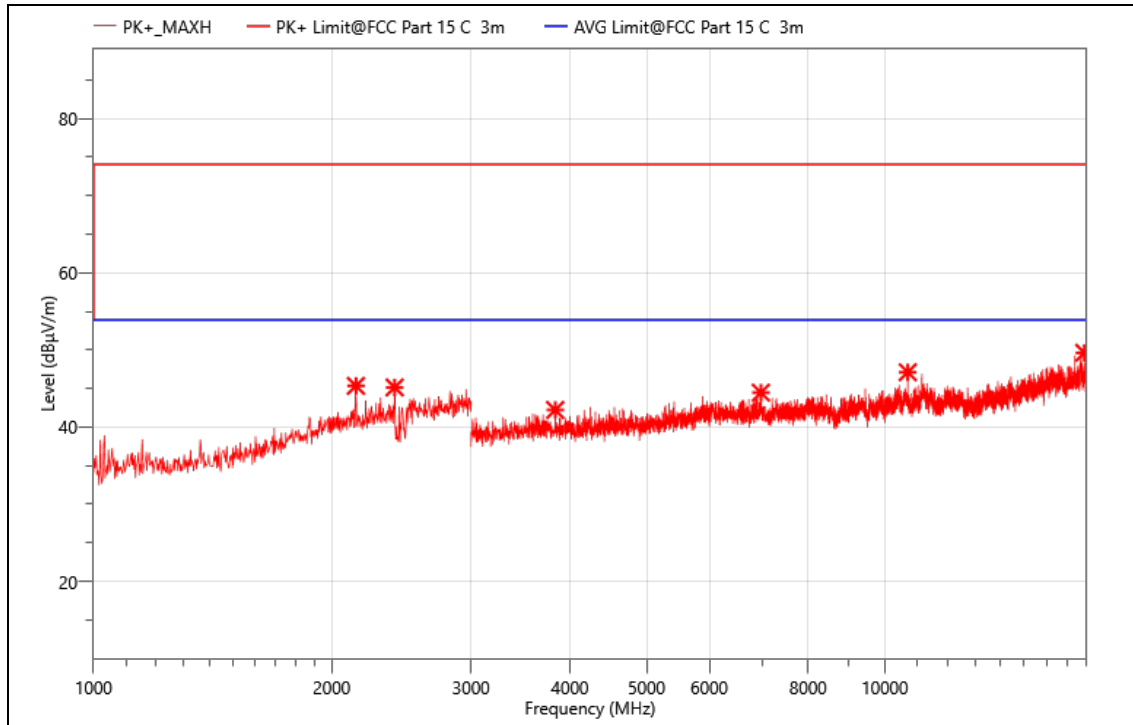
| | |
|--------|--------------------|
| Mode: | BLE1M-2480 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 2218.000 | 52.79 | -9.22 | 43.57 | 74.00 | 30.43 | PK+ | H |
| 2 | 2560.000 | 51.73 | -8.04 | 43.69 | 74.00 | 30.31 | PK+ | H |
| 3 | 2944.000 | 52.26 | -7.46 | 44.80 | 74.00 | 29.20 | PK+ | H |
| 4 | 6301.500 | 50.76 | -6.5 | 44.26 | 74.00 | 29.74 | PK+ | H |
| 5 | 11997.000 | 48.54 | -2.28 | 46.26 | 74.00 | 27.74 | PK+ | H |
| 6 | 17698.500 | 47.68 | 2.19 | 49.87 | 74.00 | 24.13 | PK+ | H |

| | |
|--------|--------------------|
| Mode: | BLE1M-2480 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 2146.000 | 54.40 | -9.05 | 45.35 | 74.00 | 28.65 | PK+ | V |
| 2 | 2402.000 | 53.68 | -8.53 | 45.15 | 74.00 | 28.85 | PK+ | V |
| 3 | 3832.500 | 55.70 | -13.47 | 42.23 | 74.00 | 31.77 | PK+ | V |
| 4 | 6973.500 | 50.71 | -6.23 | 44.48 | 74.00 | 29.52 | PK+ | V |
| 5 | 10692.000 | 49.99 | -2.87 | 47.12 | 74.00 | 26.88 | PK+ | V |
| 6 | 17874.000 | 47.11 | 2.53 | 49.64 | 74.00 | 24.36 | PK+ | V |

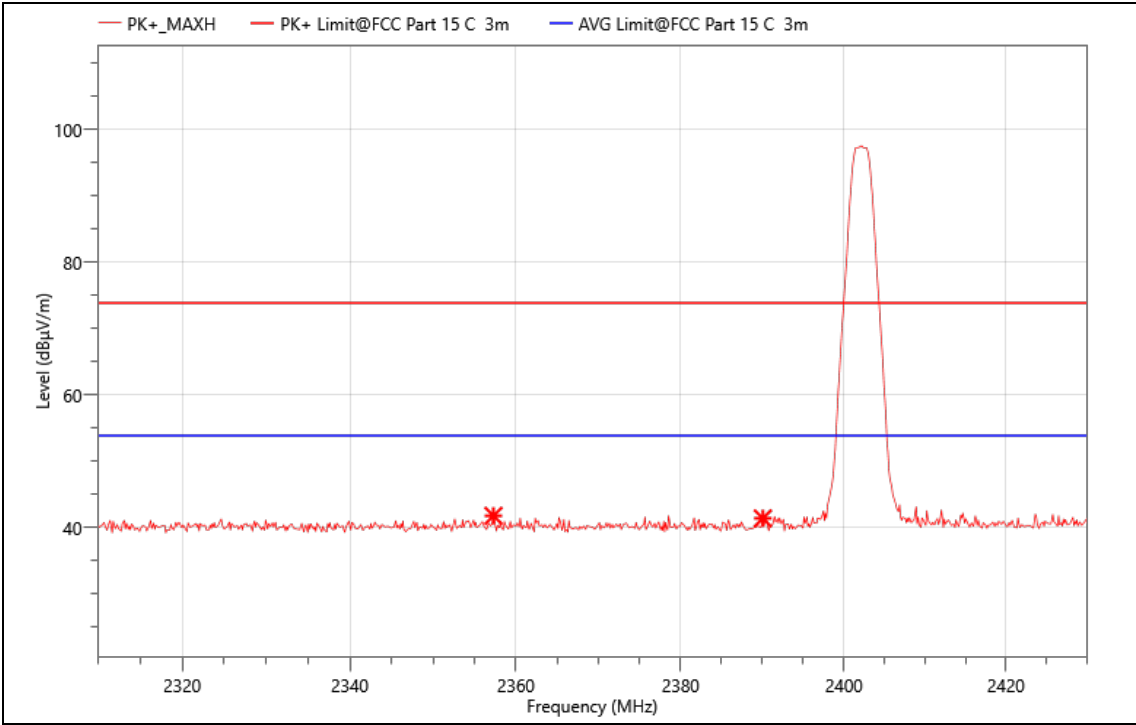
Other harmonics emissions are lower than 20dB below the allowable limit.

Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

● Band Edge

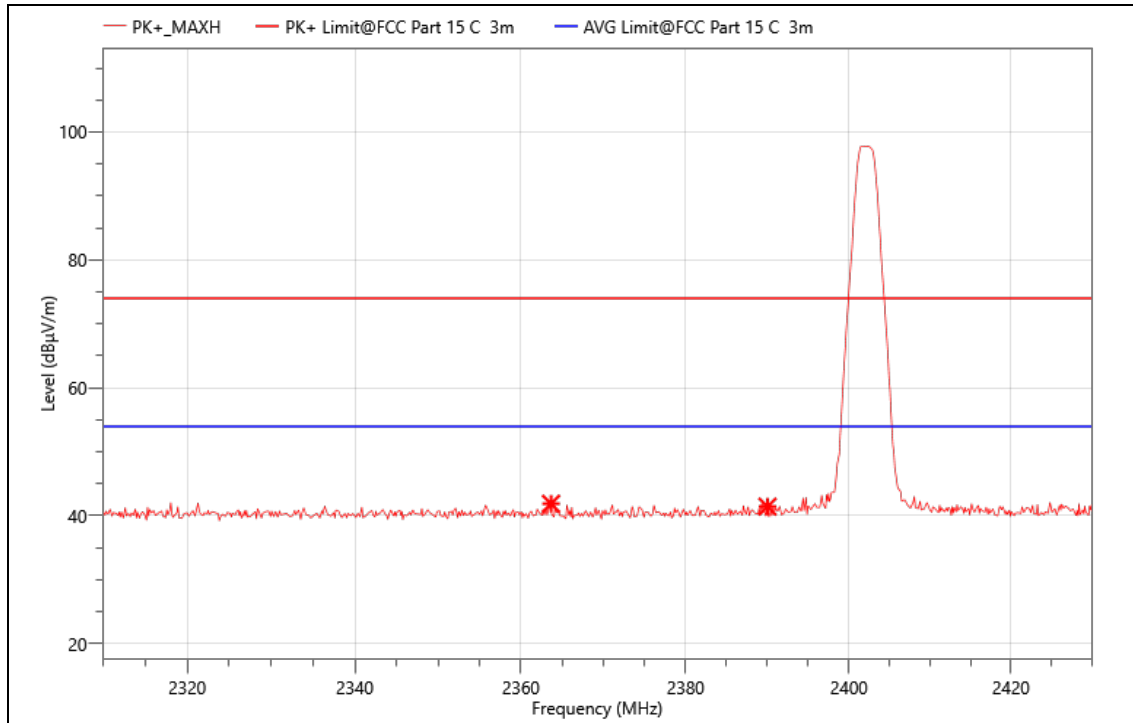
| | |
|--------|--------------------|
| Mode: | BLE1M-2402 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBµ V) | Corr. (dB) | Meas. (dBµ V/m) | Limit (dBµ V/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|-----------------|------------|-----------------|-----------------|-------------|------|------|
| 1 | 2357.280 | 59.80 | -17.97 | 41.83 | 74.00 | 32.17 | PK+ | V |
| 2 | 2390.040 | 59.43 | -17.99 | 41.44 | 74.00 | 32.56 | PK+ | V |

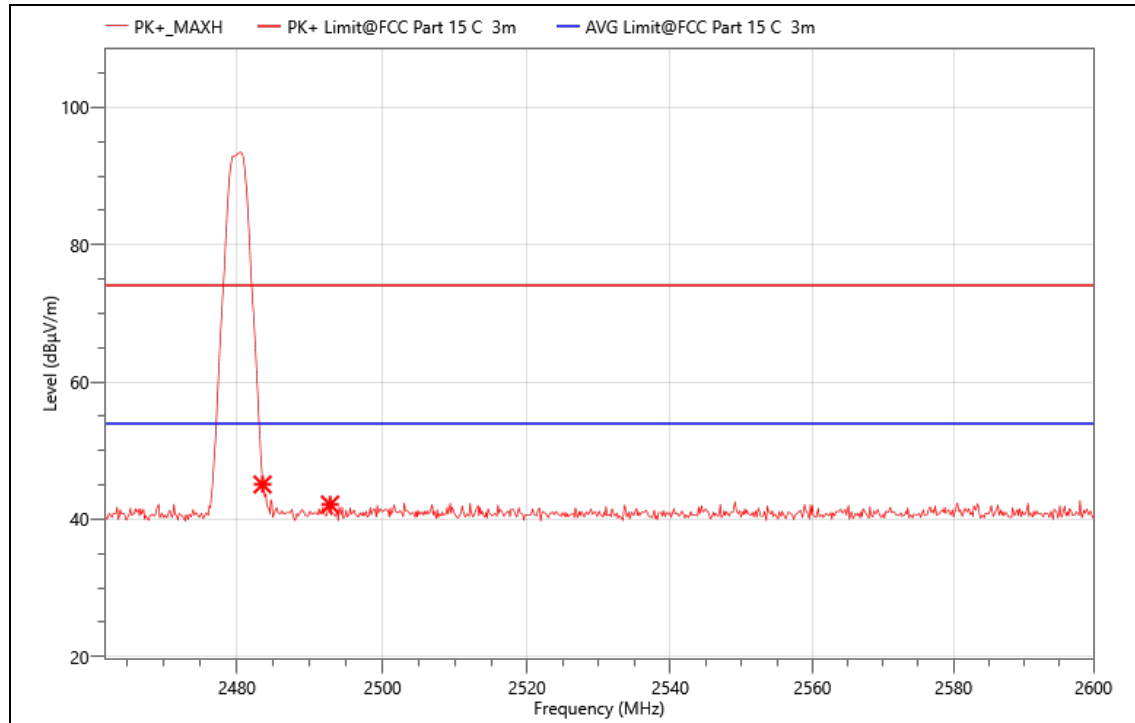
| | |
|--------|--------------------|
| Mode: | BLE1M-2402 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 2363.640 | 59.85 | -17.98 | 41.87 | 74.00 | 32.13 | PK+ | H |
| 2 | 2390.000 | 59.41 | -17.99 | 41.42 | 74.00 | 32.58 | PK+ | H |

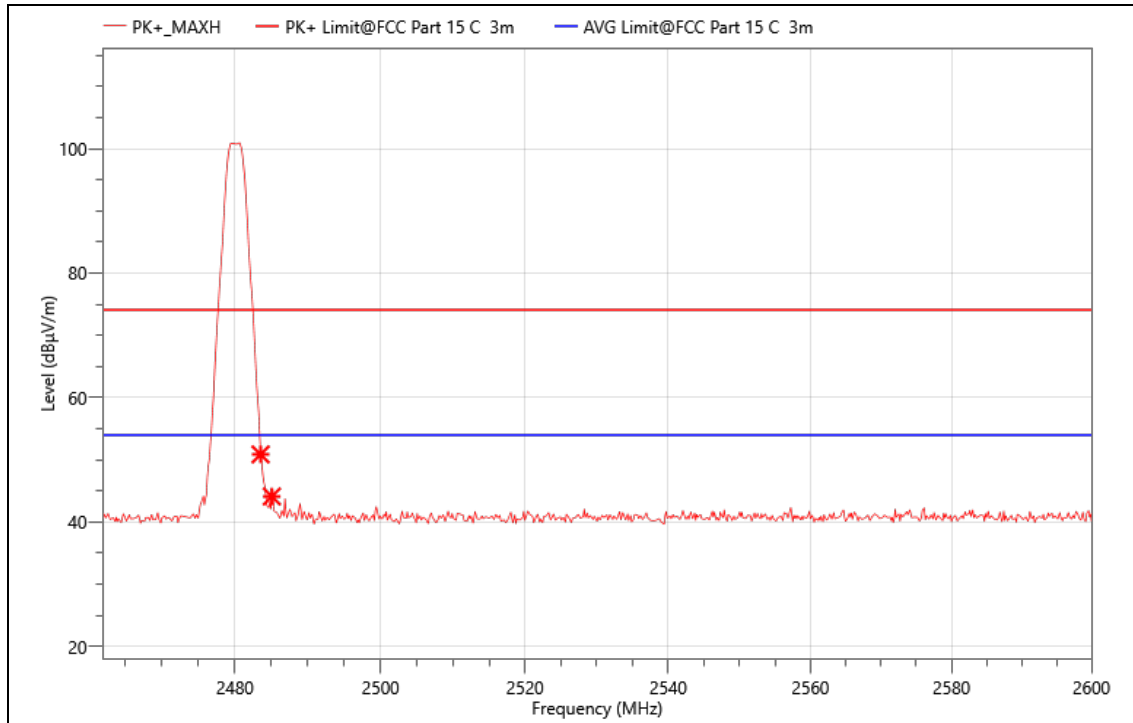
| | |
|--------|--------------------|
| Mode: | BLE1M-2480 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 2483.500 | 62.78 | -17.71 | 45.07 | 74.00 | 28.93 | PK+ | V |
| 2 | 2492.774 | 59.83 | -17.69 | 42.14 | 74.00 | 31.86 | PK+ | V |

| | |
|--------|--------------------|
| Mode: | BLE1M-2480 |
| Power: | DC5V |
| TE: | Big |
| Date | 2024/9/04 |
| T/A/P | 23.2°C/51% /101Kpa |



Critical_Freqs

| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1 | 2483.500 | 68.59 | -17.71 | 50.88 | 74.00 | 23.12 | PK+ | H |
| 2 | 2485.046 | 61.82 | -17.7 | 44.12 | 74.00 | 29.88 | PK+ | H |

Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer 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.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

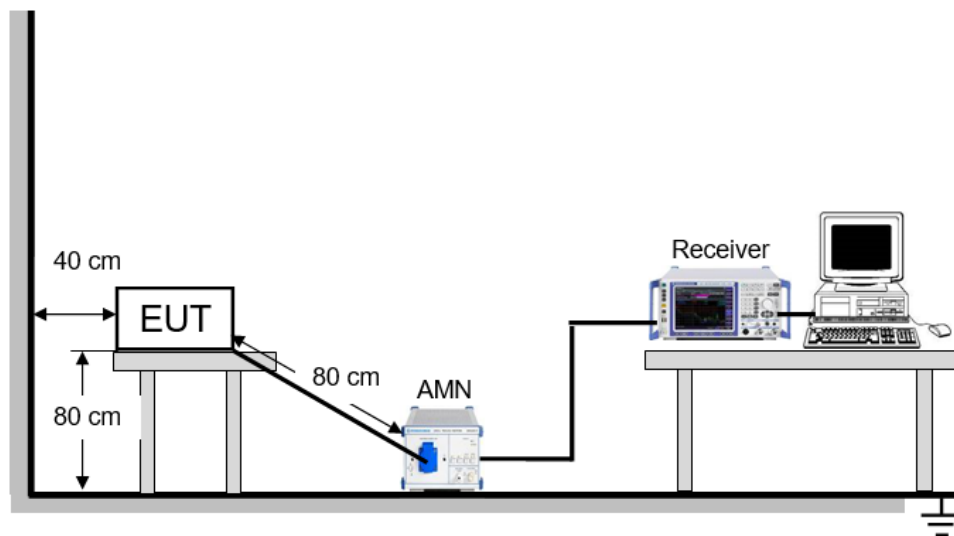
| FREQUENCY (MHz) | Quasi-peak | Average |
|-----------------|------------|-----------|
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * |
| 0.50 -5.0 | 56.00 | 46.00 |
| 5.0 -30.0 | 60.00 | 50.00 |

TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

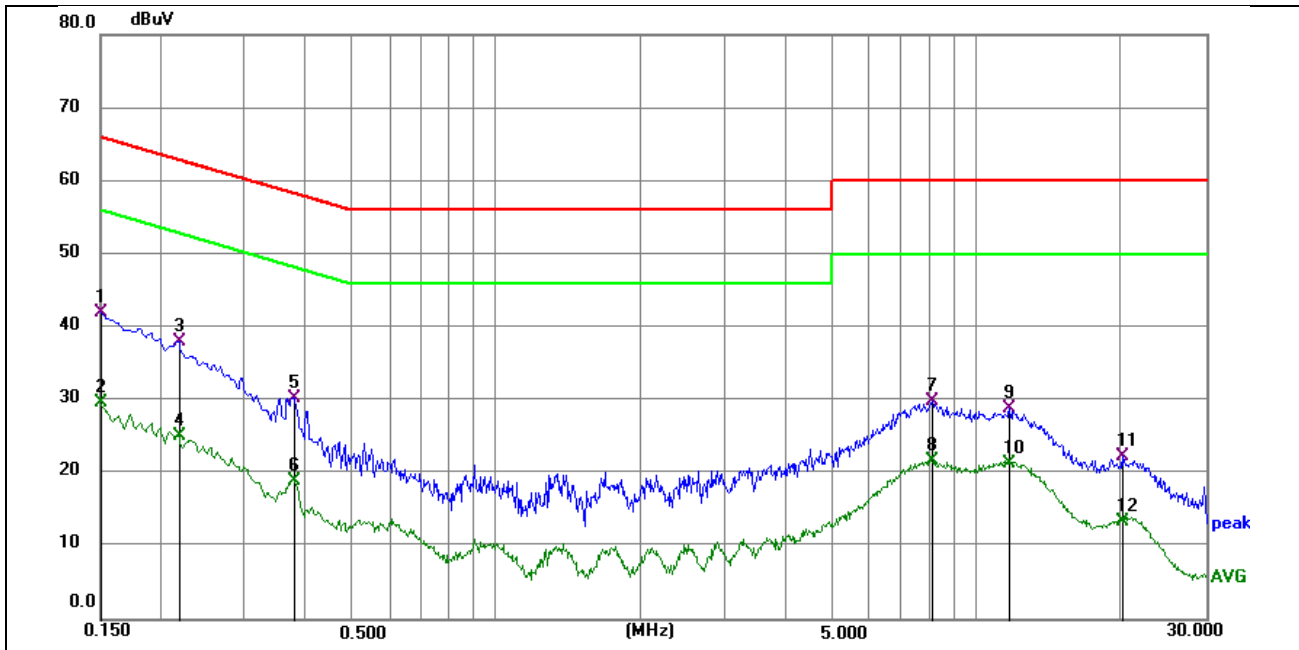
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

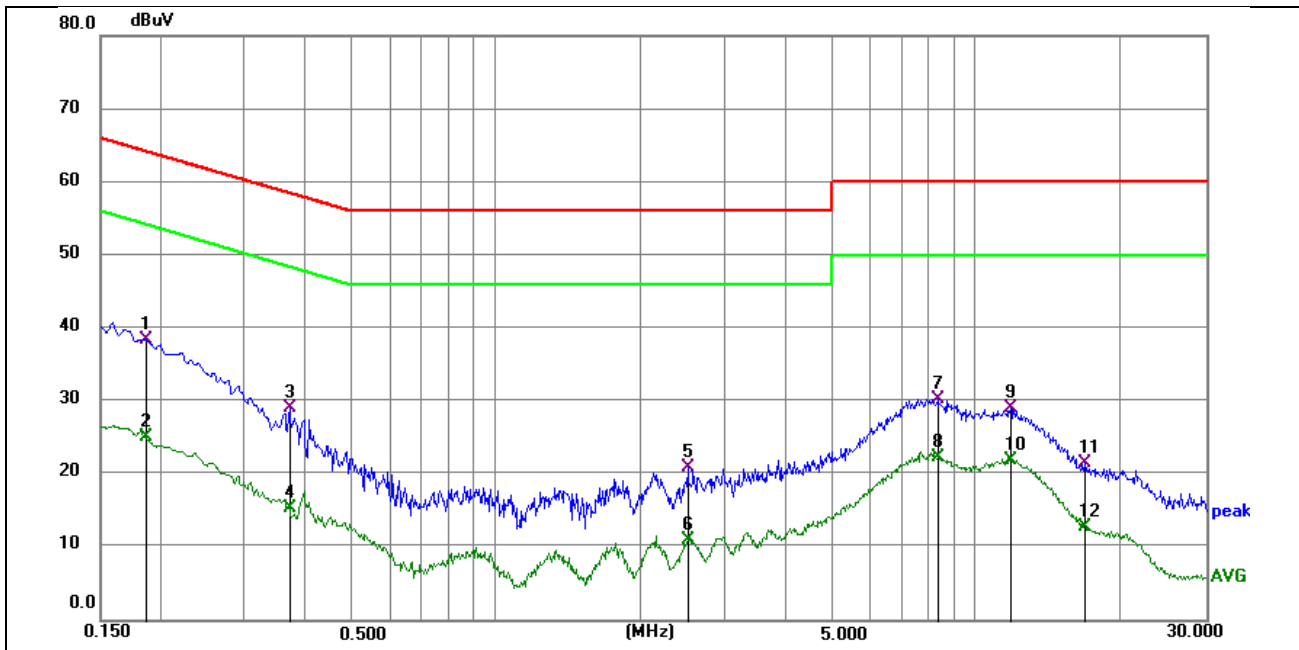
| | | | |
|---------------------|--------|-------------------|-----|
| Temperature | 24.3°C | Relative Humidity | 52% |
| Atmosphere Pressure | 101kPa | | |

TEST RESULTS

Phase: L1

Mode: BT GFSK 2402MHz

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|--------|
| 1 | 0.1500 | 32.21 | 9.86 | 42.07 | 66.00 | -23.93 | QP |
| 2 | 0.1500 | 19.75 | 9.86 | 29.61 | 56.00 | -26.39 | AVG |
| 3 | 0.2175 | 28.28 | 9.81 | 38.09 | 62.91 | -24.82 | QP |
| 4 | 0.2175 | 15.30 | 9.81 | 25.11 | 52.91 | -27.80 | AVG |
| 5 | 0.3795 | 20.53 | 9.78 | 30.31 | 58.29 | -27.98 | QP |
| 6 | 0.3795 | 9.18 | 9.78 | 18.96 | 48.29 | -29.33 | AVG |
| 7 | 8.0700 | 20.08 | 9.77 | 29.85 | 60.00 | -30.15 | QP |
| 8 | 8.0700 | 11.87 | 9.77 | 21.64 | 50.00 | -28.36 | AVG |
| 9 | 11.6925 | 18.94 | 9.85 | 28.79 | 60.00 | -31.21 | QP |
| 10 | 11.6925 | 11.57 | 9.85 | 21.42 | 50.00 | -28.58 | AVG |
| 11 | 20.0895 | 11.96 | 10.28 | 22.24 | 60.00 | -37.76 | QP |
| 12 | 20.0895 | 3.15 | 10.28 | 13.43 | 50.00 | -36.57 | AVG |



Phase: N

Mode: BT GFSK 2402MHz

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|--------------|---------------|--------------|-------------|--------|
| 1 | 0.1860 | 28.54 | 9.88 | 38.42 | 64.21 | -25.79 | QP |
| 2 | 0.1860 | 15.20 | 9.88 | 25.08 | 54.21 | -29.13 | AVG |
| 3 | 0.3704 | 19.28 | 9.81 | 29.09 | 58.49 | -29.40 | QP |
| 4 | 0.3704 | 5.49 | 9.81 | 15.30 | 48.49 | -33.19 | AVG |
| 5 | 2.5034 | 10.86 | 9.99 | 20.85 | 56.00 | -35.15 | QP |
| 6 | 2.5034 | 1.09 | 9.99 | 11.08 | 46.00 | -34.92 | AVG |
| 7 | 8.3220 | 19.55 | 10.77 | 30.32 | 60.00 | -29.68 | QP |
| 8 | 8.3220 | 11.63 | 10.77 | 22.40 | 50.00 | -27.60 | AVG |
| 9 | 11.7600 | 17.57 | 11.59 | 29.16 | 60.00 | -30.84 | QP |
| 10 | 11.7600 | 10.37 | 11.59 | 21.96 | 50.00 | -28.04 | AVG |
| 11 | 16.7504 | 9.79 | 11.70 | 21.49 | 60.00 | -38.51 | QP |
| 12 | 16.7504 | 1.20 | 11.70 | 12.90 | 50.00 | -37.10 | AVG |

Note: 1. Result = Reading + Correct Factor.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

11. TEST DATA

Please refer to section "Test Data" - Appendix B

APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

Please refer to the report : E04A24080983F00301.

APPENDIX: PHOTOGRAPHS OF THE EUT

Please refer to the report : E04A24080983F00301.

END OF REPORT