


FCC Radio Test Report

FCC ID: 2AZRW-YLLEDYKQ

Project No. : T230725006-01
Equipment : 2.4G Remote Control
Brand Name : N/A
Test Model : YL-QP-2.4G-01
Series Model : N/A
Applicant : Dong Guan Ya Li Electric Appliance Co., Ltd.
Address : THE FIVE STREET JINQIANLING JITIGANG HUANGJIANG TOWN,
DONGGUAN CITY, GUANGDONG CHINA
Manufacturer : Dong Guan Ya Li Electric Appliance Co., Ltd.
Address : THE FIVE STREET JINQIANLING JITIGANG HUANGJIANG TOWN,
DONGGUAN CITY, GUANGDONG CHINA
Date of Receipt : Jul. 26, 2023
Date of Test : Jul. 27, 2023 ~ Aug. 01, 2023
Issued Date : Aug. 02, 2023
Report Version : V1.0
Test Sample : Engineering Sample No.: POC230725006-S001
Standard(s) : FCC CFR Title 47, Part 15, Subpart C Section 15.249
ANSI C63.10-2013

| Prepared By: | Checked By: | Approved By: |  |
|-----------------|------------------|-----------------|---|
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REPORT ISSUED HISTORY

| Report No. | Version | Description | Issued Date | Note |
|--------------------|---------|------------------|-------------|-------|
| RF230725006-01-001 | V1.0 | Original Report. | 2023.08.02 | Valid |

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC CFR Title 47, Part 15, Subpart C | | | | |
|--------------------------------------|-----------------------------------|--|----------|---------|
| Standard(s) Section | Test Item | Test Result | Judgment | Remark |
| 15.207(a) | AC Power Line Conducted Emissions | APPENDIX A | N/A | Note(1) |
| 15.209 15.249(a) | Radiated Emissions | APPENDIX B APPENDIX C APPENDIX D | PASS | ----- |
| 15.215(c) | Bandwidth | APPENDIX E | PASS | ----- |
| 15.203 | Antenna Requirement | ----- | PASS | Note(2) |

Note:

- (1) "N/A" denotes test is not applicable to this device.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

1.1 TEST FACILITY

| | |
|---------------------------|---|
| Company: | Shenzhen Haiyun Standard Technical CO., Ltd. |
| Address: | No. 110-113, 115, 116, Block B, Jinyuan Business Building, Bao'an District, Shenzhen, China |
| CNAS Registration Number: | CNAS L18252 |
| CAB identifier: | CN0145 |
| A2LA Certificate Number: | 6823.01 |
| Telephone: | 0755-26024411 |

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The TIRT measurement uncertainty as below table:

| Uncertainty | |
|--|-------------|
| Parameter | Uncertainty |
| Occupied Channel Bandwidth | ±143.88kHz |
| RF power conducted | ±0.384dB |
| Conducted emission(9kHz~30MHz) AC main | ±2.72dB |
| Radiated emission(9kHz~30MHz) | ±2.66dB |
| Radiated emission (30MHz~1GHz) | ±4.62dB |
| Radiated emission (1GHz~18GHz) | ±4.86dB |
| Radiated emission (18GHz~40GHz) | ±3.80dB |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

| Test Item | Temperature | Humidity | Test Voltage | Tested By |
|---------------------------------------|-------------|----------|--------------|-------------|
| Radiated Emissions-9 kHz to 30 MHz | 24°C | 53% | DC 3V | Albert Fan |
| Radiated Emissions-30 MHz to 1000 MHz | 24°C | 53% | DC 3V | Albert Fan |
| Radiated Emissions-Above 1000 MHz | 24°C | 53% | DC 3V | Albert Fan |
| Bandwidth | 25.1°C | 51% | DC 3V | Jason Huang |

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| | |
|---------------------|---|
| Equipment | 2.4G Remote Control |
| Brand Name | N/A |
| Test Model | YL-QP-2.4G-01 |
| Series Model | N/A |
| Power Source | Supplied from dry batteries |
| Power Rating | DC 3V |
| Operation Frequency | 2406~2474MHz |
| Modulation Type | FSK |
| Max. Field Strength | 31.54 dB μ V/m(AVG) 80.93 dB μ V/m(Peak) |
| Max. Output Power | -14.71 dBm (0.000034 W) (AVG) -8.73 dBm (0.000134W) (Peak) |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

| Channel | Frequency (MHz) |
|---------|-----------------|
| 01 | 2406 |
| 02 | 2440 |
| 03 | 2474 |

3. Table for Filed Antenna:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|-------|------------|------------------|-----------|------------|
| 1 | N/A | N/A | Internal antenna | / | -5.65115 |

Note: The antenna gain is provided by the manufacturer.

2.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode | Description |
|--------------|--------------------------|
| Mode 1 | TX Mode Channel 01/02/03 |
| Mode 2 | TX Mode Channel 03 |

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

| Radiated emissions test - Below 1GHz | |
|---|--------------------|
| Final Test Mode | Description |
| Mode 2 | TX Mode Channel 03 |

| Radiated emissions test - Above 1GHz | |
|---|--------------------------|
| Final Test Mode | Description |
| Mode 1 | TX Mode Channel 01/02/03 |

| Bandwidth test | |
|-----------------------|--------------------------|
| Final Test Mode | Description |
| Mode 1 | TX Mode Channel 01/02/03 |

Note:

- (1) For Radiated Emission Below 1GHz test, the TX Mode Channel 03 was found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, the polarization of vertical and horizontal are evaluated, the worst case is horizontal and recorded.

2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4 SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Brand | Model No. | Series No. |
|------|-----------|-------|-----------|------------|
| - | - | - | - | - |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| - | - | - | - | - |

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 LIMIT

| Frequency of Emission (MHz) | Limit (dB μ V) | |
|-----------------------------|--------------------|-----------|
| | Quasi-peak | Average |
| 0.15 - 0.5 | 66 to 56* | 56 to 46* |
| 0.5 - 5.0 | 56 | 46 |
| 5.0 - 30.0 | 60 | 50 |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

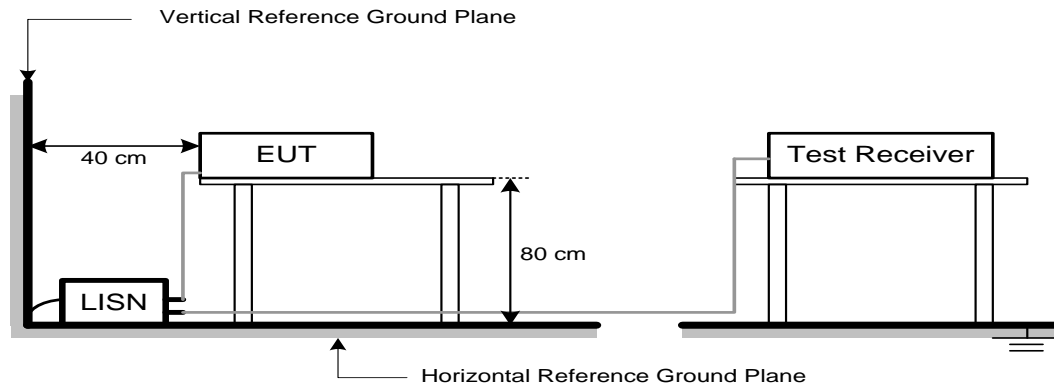
The following table is the setting of the receiver:

| Receiver Parameters | Setting |
|---------------------|----------|
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting data or hopping on mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』 . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform in this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150 kHz to 30 MHz.

4. RADIATED EMISSION TEST

4.1 LIMIT

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 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 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

| Frequency (MHz) | (dB μ V/m at 3 m) | |
|-----------------|-----------------------|---------|
| | Peak | Average |
| Above 1000 | 74 | 54 |

LIMITS OF FIELD STRENGTH OF FUNDAMENTAL

| Frequency (MHz) | (dB μ V/m at 3 m) | |
|-----------------|-----------------------|---------|
| | Peak | Average |
| 2406 to 2474 | 114 | 94 |

Note:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in 15.209, whichever is the lesser attenuation.
- (3) Emission level (dB μ V/m)=20log Emission level (μ V/m).

4.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
(below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

| Spectrum Parameters | Setting |
|------------------------|---------------------------------|
| Start ~ Stop Frequency | 9 kHz~150 kHz for RBW 200 Hz |
| Start ~ Stop Frequency | 0.15 MHz~30 MHz for RBW 9 kHz |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for RBW 100 kHz |

| Spectrum Parameters | Setting |
|--|--|
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RBW / VBW (Emission in restricted band) | 1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value |

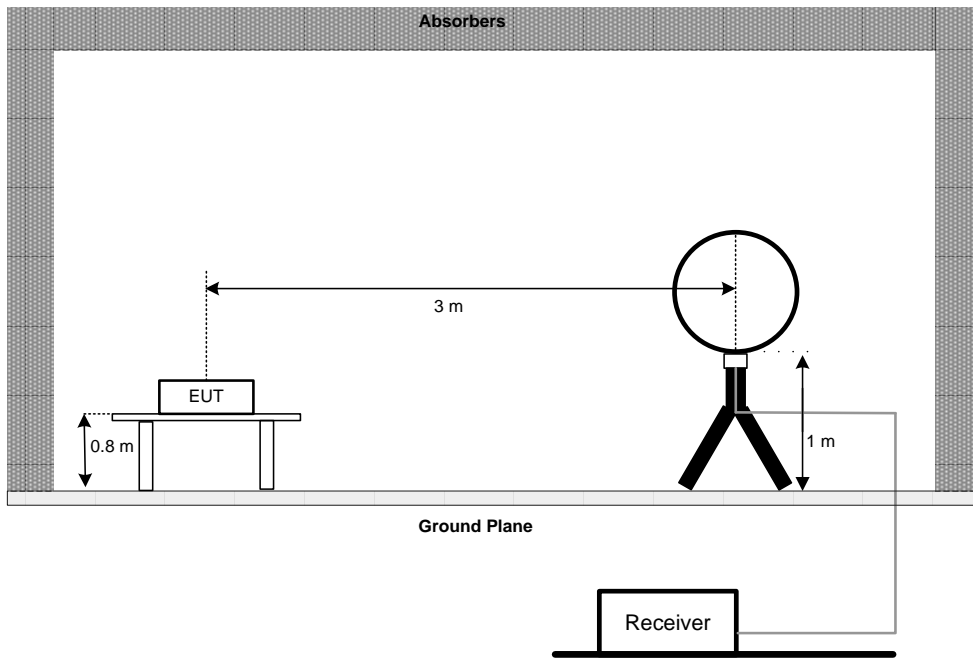
| Spectrum Parameters | Setting |
|------------------------|-------------------------------------|
| Start ~ Stop Frequency | 9 kHz~90 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 90 kHz~110 kHz for QP detector |
| Start ~ Stop Frequency | 110 kHz~490 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490 kHz~30 MHz for QP detector |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for QP detector |
| Start ~ Stop Frequency | Above 1GHz for PK/AVG detector |

4.3 DEVIATION FROM TEST STANDARD

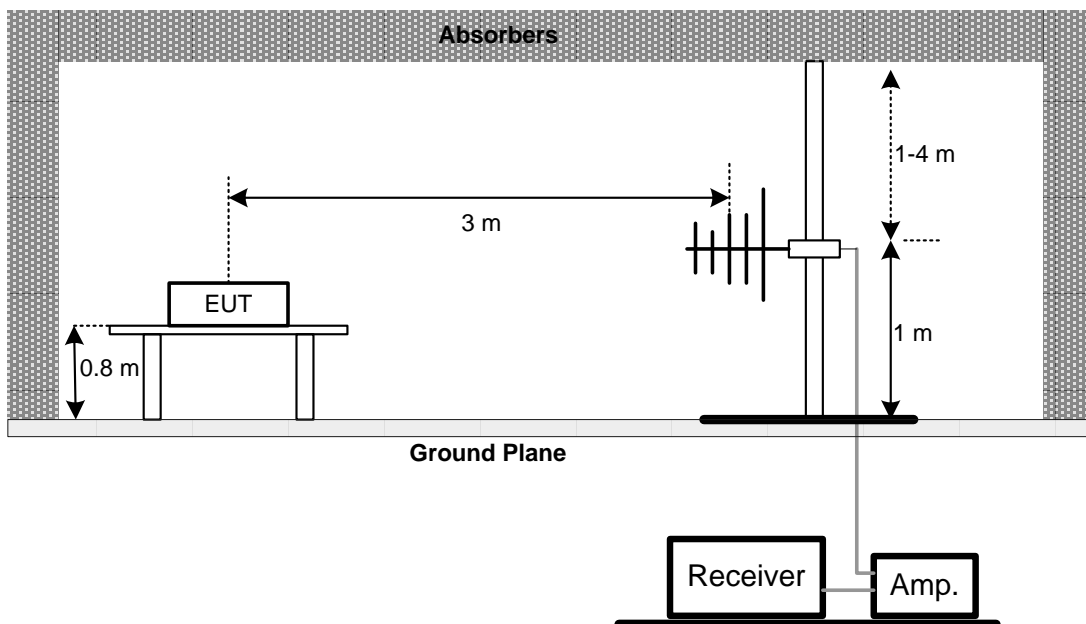
No deviation

4.4 TEST SETUP

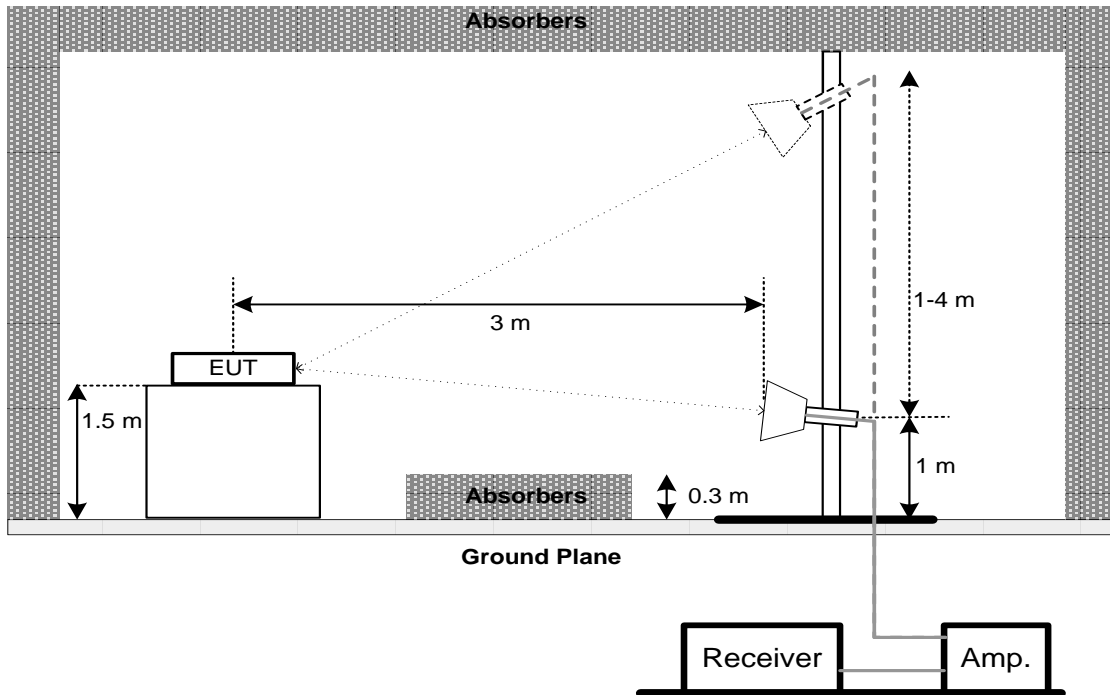
9 kHz-30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT - 9 kHz TO 30 MHz

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor = $40 \log(\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dB μ V) + distance extrapolation factor.

4.7 TEST RESULT - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 TEST RESULT - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH TEST

5.1 LIMIT

| Section | Test Item | Limit |
|-----------|-----------------|-------|
| 15.215(c) | 20 dB Bandwidth | - |

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer.

| Spectrum Parameters | Setting |
|---------------------|------------------------------------|
| Span Frequency | Between 2 times and 5 times the BW |
| RBW | Range of 1% to 5% of the BW |
| VBW | Approximately 3 times RBW |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MEASUREMENT INSTRUMENTS LIST

| No. | Equipment | Manufacturer | Type No. | Serial No. | Cal. date (yyyy/mm/dd) | Cal. Due date (yyyy/mm/dd) |
|-----|----------------------------------|---------------------------|-------------|------------|---------------------------|-------------------------------|
| 1 | Test receiver | Rohde&Schwarz | ESU | 100184 | 2023/5/3 | 2024/5/2 |
| 2 | Horn Antenna | Schwarzbeck | BBHA 9120 D | 9120D-1273 | 2023/4/23 | 2024/4/22 |
| 3 | Low frequency amplifier | Unknown | LNA 0920N | 2014 | 2023/5/3 | 2024/5/2 |
| 4 | High frequency amplifier | Schwarzbeck | BBV 9718 | 284 | 2023/5/3 | 2024/5/2 |
| 5 | Loop Antenna | Schwarzbeck | FMZB1519B | 00029 | 2022/7/4 | 2025/7/3 |
| 6 | Log periodic antenna | Schwarzbeck | VULB 9168 | 1151 | 2023/4/23 | 2024/4/22 |
| 7 | Horn Antenna | Schwarzbeck | BBHA 9120 D | 9120D-1273 | 2022/5/5 | 2025/5/4 |
| 8 | Horn Antenna | Schwarzbeck | BBHA 9170 | 9170#685 | 2022/7/4 | 2025/7/3 |
| 9 | Temp&Humidity Recorder | Meideshi | JR900 | / | 2023/5/3 | 2024/5/2 |
| 10 | RF cable(966 chamber)9kHz-1 GHz | Unknown | Unknown | Unknown | 2023/5/3 | 2024/5/2 |
| 11 | RF cable(966 chamber)1GHz-1 8GHz | Unknown | Unknown | Unknown | 2023/5/3 | 2024/5/2 |
| 12 | RF cable(966 chamber)18GHz-40GHz | Unknown | Unknown | Unknown | 2023/5/3 | 2024/5/2 |
| 13 | Test software | Farad Technology Co., Ltd | EZ-EMC | / | / | / |
| 14 | Test receiver | Rohde&Schwarz | ESCI | 100718 | 2023/5/3 | 2024/5/2 |

7. ANTENNA REQUIREMENT

Test standard: FCC part 15.203

According to the manufacturer declared, the EUT has internal antenna, the antenna gain is -5.65115dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: N/A

Note: "N/A" denotes test is not applicable to this device.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

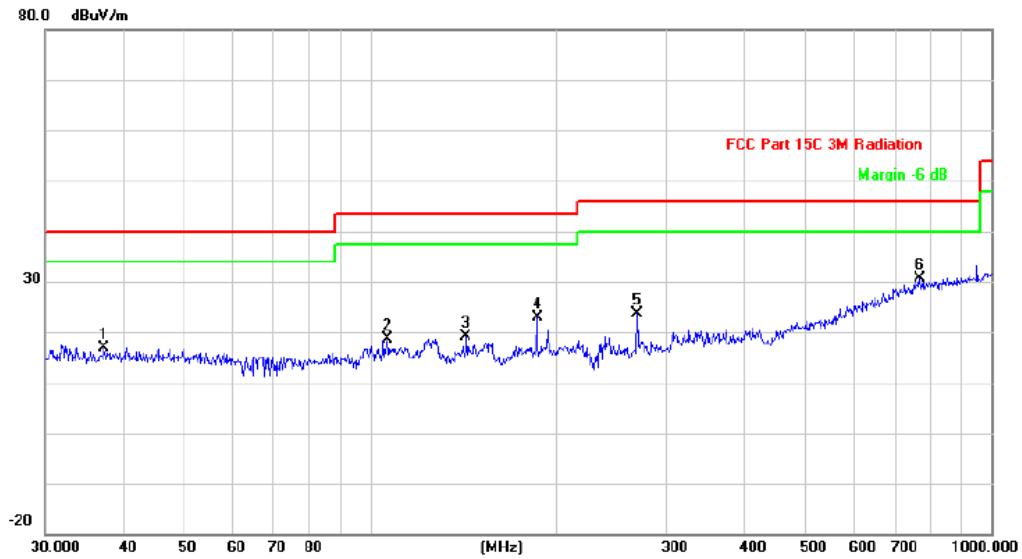
The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

| | | | |
|-----------|--------------------|--------------|----------|
| Test Mode | TX Mode_Channel 03 | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

Radiated Emission



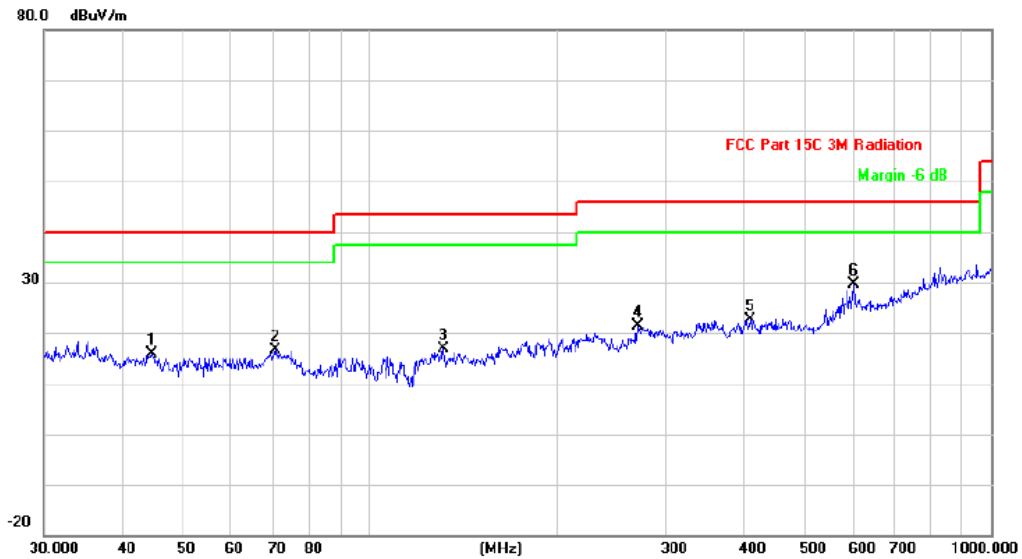
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB/m | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|---------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 37.2854 | 27.19 | -10.33 | 16.86 | 40.00 | -23.14 | QP | |
| 2 | | 106.7587 | 31.78 | -13.03 | 18.75 | 43.50 | -24.75 | QP | |
| 3 | | 142.8242 | 29.20 | -9.97 | 19.23 | 43.50 | -24.27 | QP | |
| 4 | | 185.7881 | 34.84 | -11.89 | 22.95 | 43.50 | -20.55 | QP | |
| 5 | | 289.4282 | 33.30 | -9.74 | 23.56 | 46.00 | -22.44 | QP | |
| 6 | * | 766.0571 | 28.94 | 1.58 | 30.52 | 46.00 | -15.48 | QP | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|------------|
| Test Mode | TX Mode_Channel 03 | Polarization | Horizontal |
|-----------|--------------------|--------------|------------|

Radiated Emission



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB/m | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|---------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 44.7433 | 25.98 | -10.05 | 15.93 | 40.00 | -24.07 | QP | |
| 2 | | 70.5835 | 28.93 | -12.33 | 16.60 | 40.00 | -23.40 | QP | |
| 3 | | 131.7577 | 27.54 | -10.72 | 16.82 | 43.50 | -26.68 | QP | |
| 4 | | 270.3748 | 31.00 | -9.69 | 21.31 | 46.00 | -24.69 | QP | |
| 5 | | 410.3824 | 28.48 | -5.93 | 22.55 | 46.00 | -23.45 | QP | |
| 6 | * | 601.4265 | 30.81 | -1.27 | 29.54 | 46.00 | -16.46 | QP | |

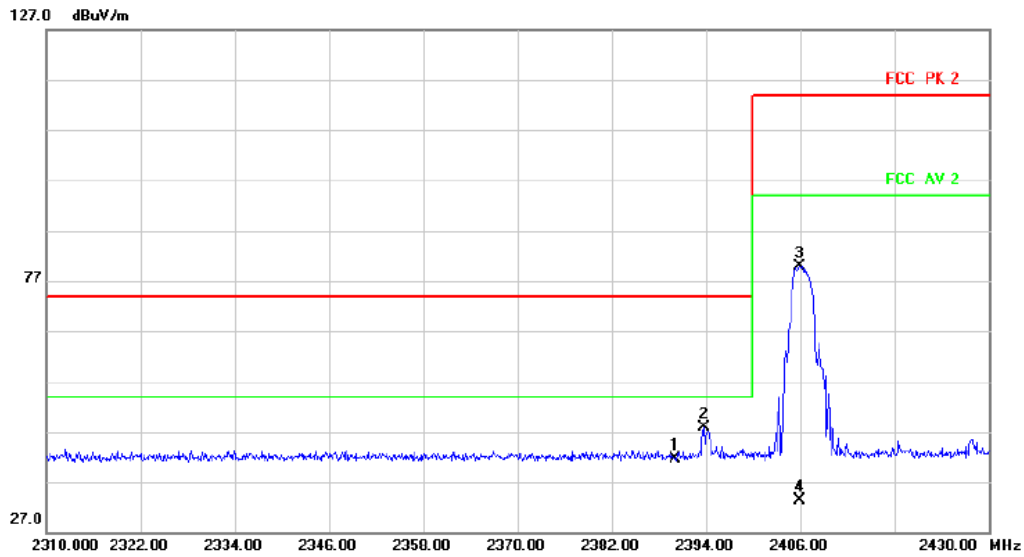
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

| | | | |
|-----------|-------------------|--------------|------------|
| Test Mode | TX 2406 MHz _CH01 | Polarization | Horizontal |
|-----------|-------------------|--------------|------------|

Radiated Emission



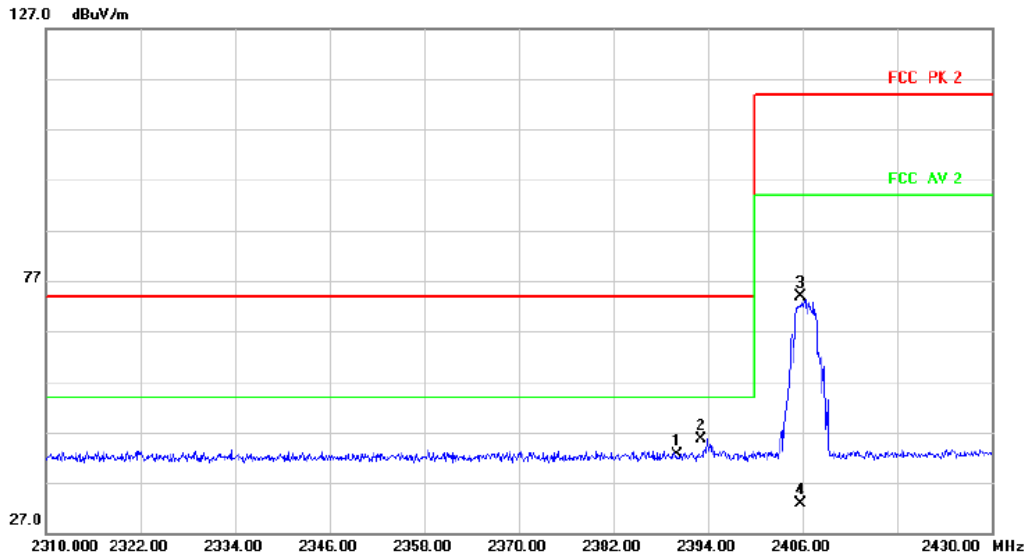
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | | 2390.000 | 53.41 | -11.67 | 41.74 | 74.00 | -32.26 | peak |
| 2 | * | 2393.724 | 59.46 | -11.65 | 47.81 | 74.00 | -26.19 | peak |
| 3 | | 2405.856 | 91.55 | -11.60 | 79.95 | 114.00 | -34.05 | peak |
| 4 | | 2405.856 | 45.05 | -11.60 | 33.45 | 94.00 | -60.55 | AVG |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|----------|
| Test Mode | TX 2406 MHz _CH01 | Polarization | Vertical |
|-----------|-------------------|--------------|----------|

Radiated Emission

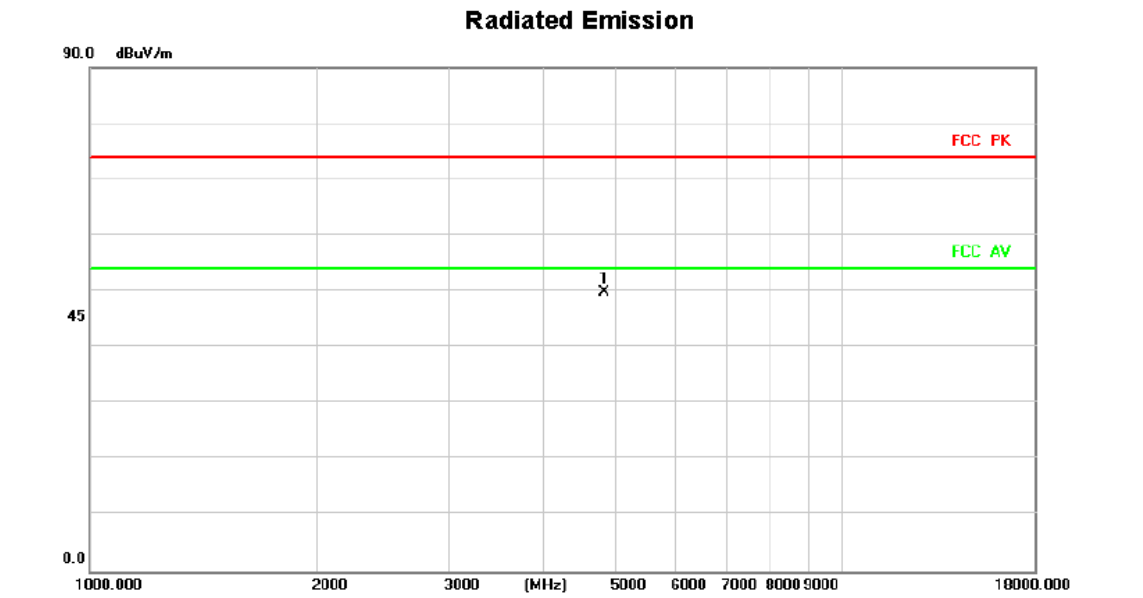


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB/m | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector |
|-----|-----|--------------|--------------------------|---------------------------|----------------------------|-----------------|------------|----------|
| 1 | | 2390.000 | 54.32 | -11.67 | 42.65 | 74.00 | -31.35 | peak |
| 2 | * | 2393.117 | 57.39 | -11.65 | 45.74 | 74.00 | -28.26 | peak |
| 3 | | 2405.755 | 85.54 | -11.60 | 73.94 | 114.00 | -40.06 | peak |
| 4 | | 2405.755 | 44.57 | -11.60 | 32.97 | 94.00 | -61.03 | AVG |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|------------|
| Test Mode | TX 2406 MHz _CH01 | Polarization | Horizontal |
|-----------|-------------------|--------------|------------|

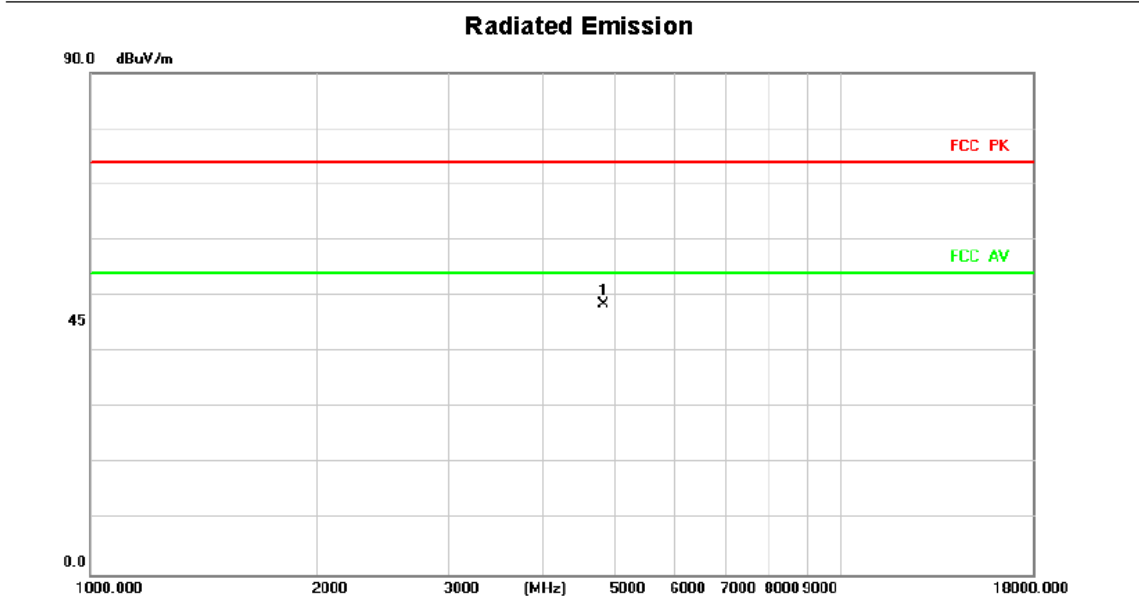


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | * | 4812.000 | 51.80 | -1.94 | 49.86 | 74.00 | -24.14 | peak |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|----------|
| Test Mode | TX 2406 MHz _CH01 | Polarization | Vertical |
|-----------|-------------------|--------------|----------|

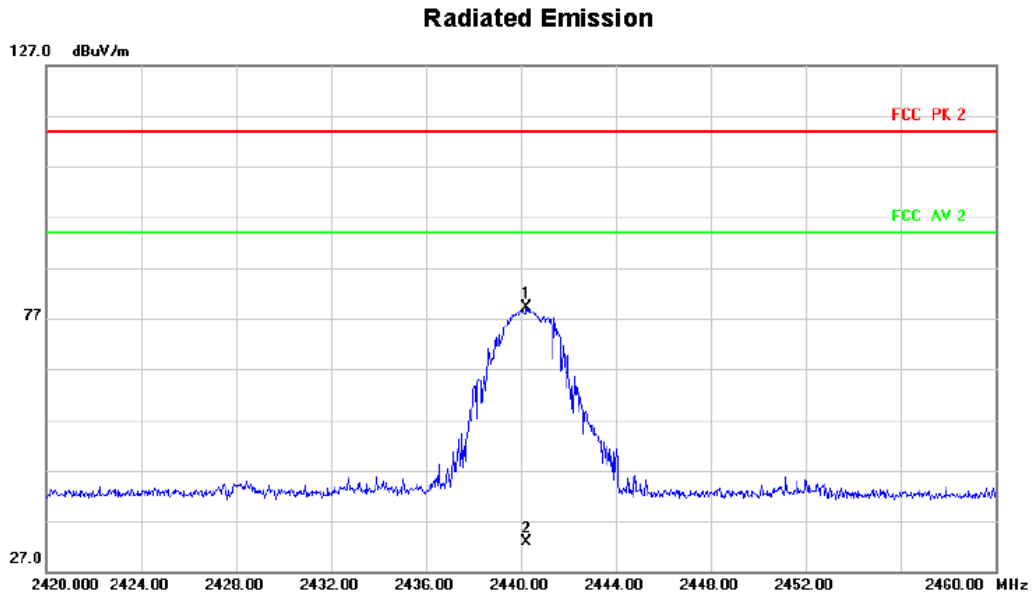


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | * | 4812.000 | 50.35 | -1.94 | 48.41 | 74.00 | -25.59 | peak |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|------------|
| Test Mode | TX 2440 MHz _CH02 | Polarization | Horizontal |
|-----------|-------------------|--------------|------------|



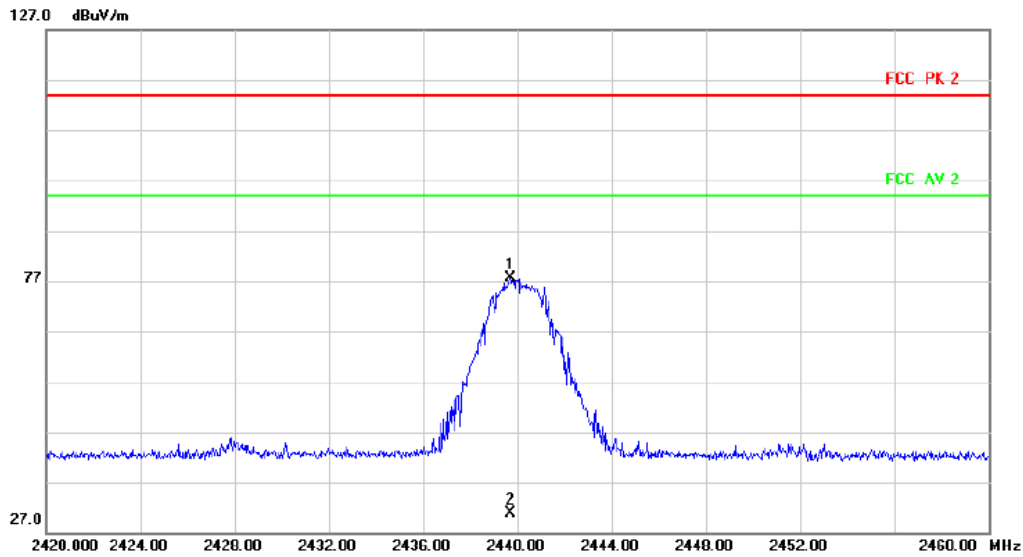
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | * | 2440.260 | 90.52 | -11.46 | 79.06 | 114.00 | -34.94 | peak |
| 2 | | 2440.260 | 44.35 | -11.46 | 32.89 | 94.00 | -61.11 | AVG |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|----------|
| Test Mode | TX 2440 MHz _CH02 | Polarization | Vertical |
|-----------|-------------------|--------------|----------|

Radiated Emission

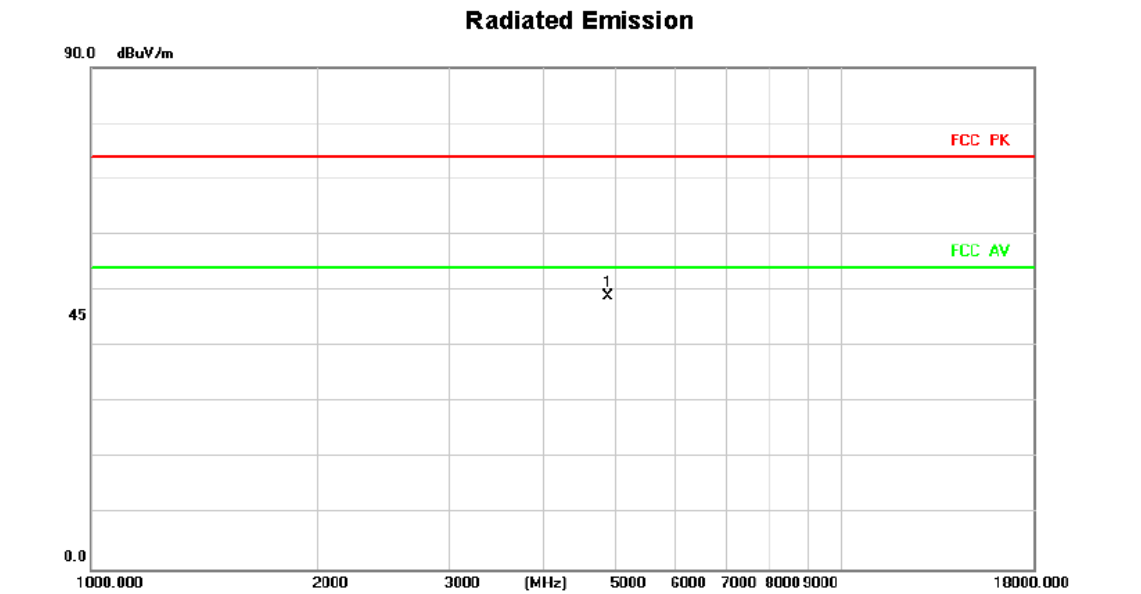


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | * | 2439.700 | 88.98 | -11.46 | 77.52 | 114.00 | -36.48 | peak |
| 2 | | 2439.700 | 42.36 | -11.46 | 30.90 | 94.00 | -63.10 | AVG |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|------------|
| Test Mode | TX 2440 MHz _CH02 | Polarization | Horizontal |
|-----------|-------------------|--------------|------------|

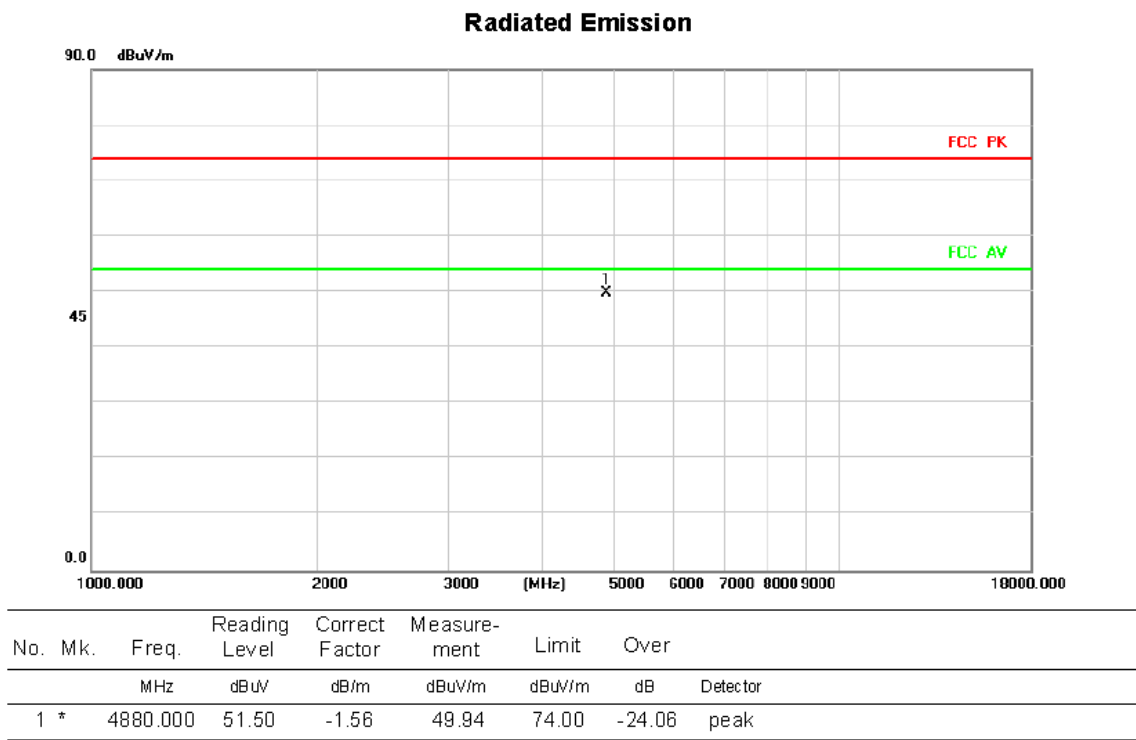


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | * | 4880.000 | 50.40 | -1.56 | 48.84 | 74.00 | -25.16 | peak |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|----------|
| Test Mode | TX 2440 MHz _CH02 | Polarization | Vertical |
|-----------|-------------------|--------------|----------|

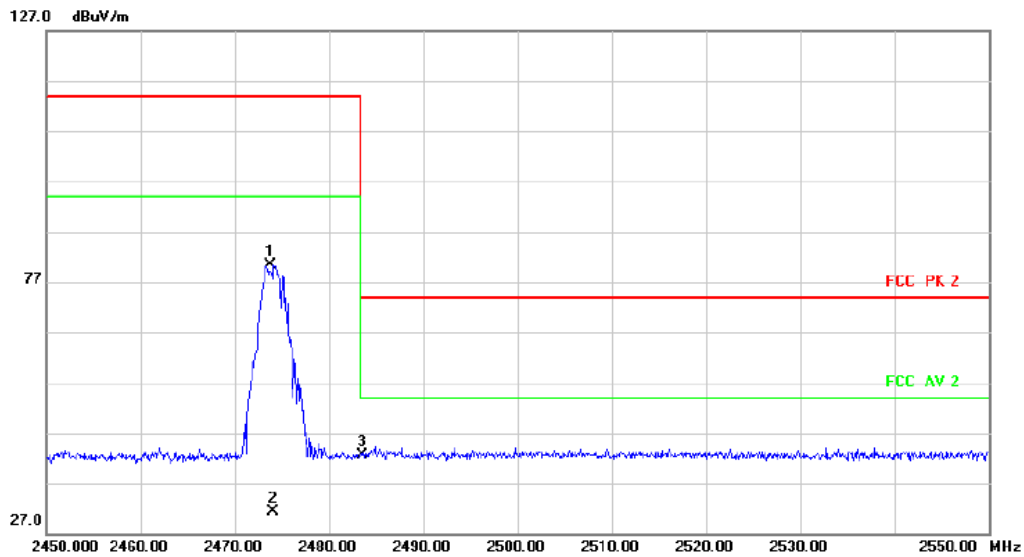


REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|------------|
| Test Mode | TX 2474 MHz _CH03 | Polarization | Horizontal |
|-----------|-------------------|--------------|------------|

Radiated Emission



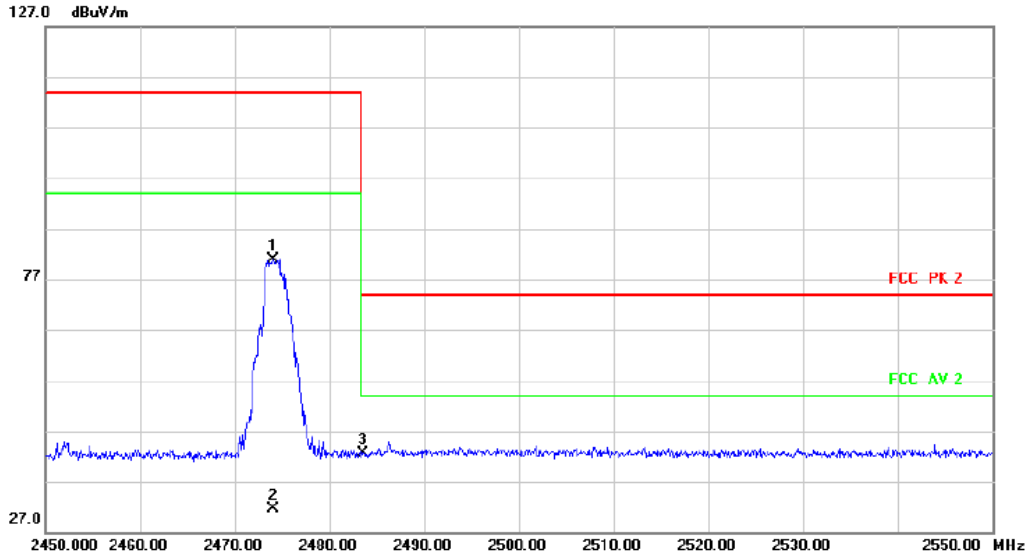
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | | 2473.735 | 91.58 | -11.32 | 80.26 | 114.00 | -33.74 | peak |
| 2 | | 2474.124 | 42.62 | -11.32 | 31.30 | 94.00 | -62.70 | AVG |
| 3 * | | 2483.500 | 53.88 | -11.28 | 42.60 | 74.00 | -31.40 | peak |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|----------|
| Test Mode | TX 2474 MHz _CH03 | Polarization | Vertical |
|-----------|-------------------|--------------|----------|

Radiated Emission



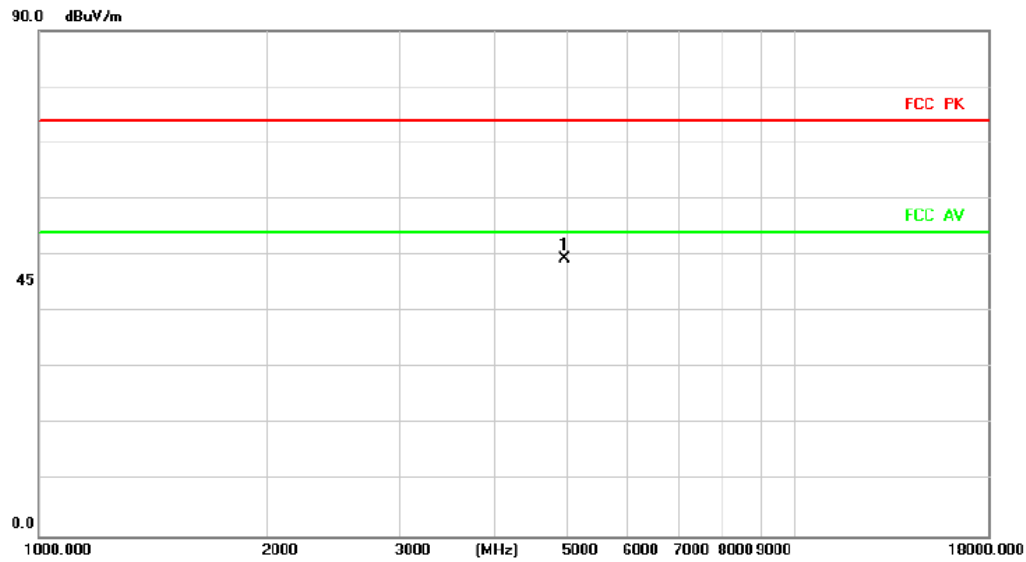
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | | 2474.124 | 92.25 | -11.32 | 80.93 | 114.00 | -33.07 | peak |
| 2 | | 2474.124 | 42.86 | -11.32 | 31.54 | 94.00 | -62.46 | AVG |
| 3 * | | 2483.500 | 54.03 | -11.28 | 42.75 | 74.00 | -31.25 | peak |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|------------|
| Test Mode | TX 2474 MHz _CH03 | Polarization | Horizontal |
|-----------|-------------------|--------------|------------|

Radiated Emission

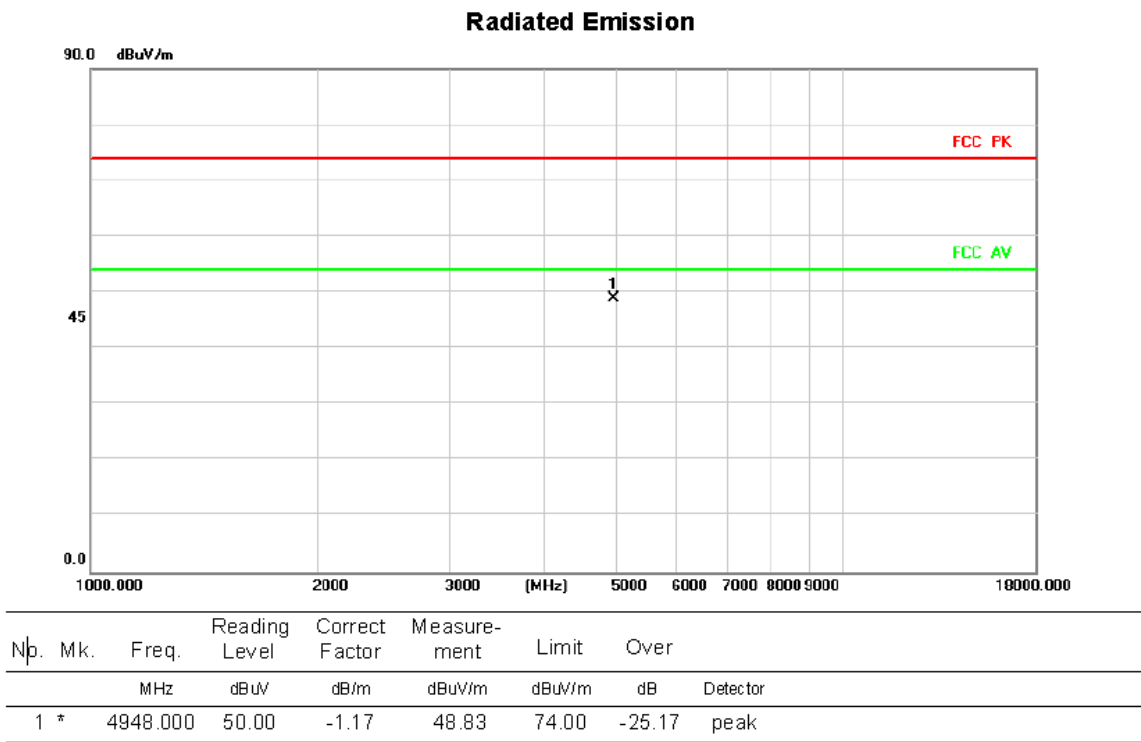


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | * | 4948.000 | 50.49 | -1.17 | 49.32 | 74.00 | -24.68 | peak |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|-------------------|--------------|----------|
| Test Mode | TX 2474 MHz _CH03 | Polarization | Vertical |
|-----------|-------------------|--------------|----------|



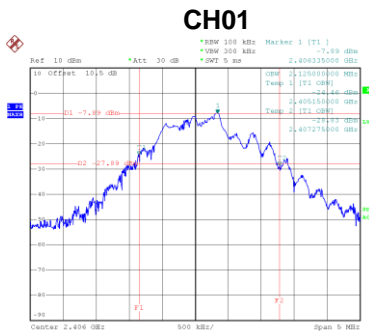
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

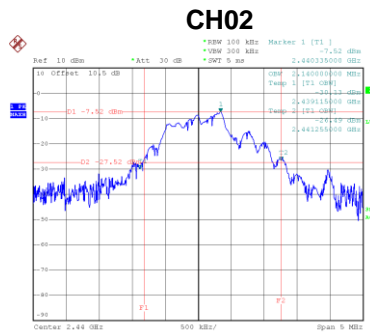
APPENDIX E - BANDWIDTH

| | |
|-----------|---------|
| Test Mode | TX Mode |
|-----------|---------|

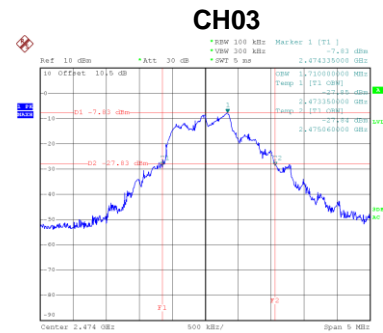
| Channel | Frequency (MHz) | 20 dB Bandwidth (MHz) | Result |
|---------|-----------------|-----------------------|----------|
| 01 | 2406 | 2.125 | Complies |
| 02 | 2440 | 2.140 | Complies |
| 03 | 2474 | 1.710 | Complies |



Date: 1.AUG.2023 11:08:15



Date: 1.AUG.2023 11:13:58



Date: 1.AUG.2023 11:15:41

End of Test Report