



TEST REPORT

Applicant: 8devices

FCC: Antakalnio 17 - 6 Vilnius Lithuania

Address: IC: Antakalnio g. 17-6 Vilnius Vilnius County LT-10312 Lithuania

Product Name: Wireless Access Board

Model: KIT-100-02-4-CC

FCC ID: Z9WMAN

FCC PART 15B

Standard(s): ICES-003, ISSUE 7, OCTOBER 2020
ANSI C63.4-2014

Report Number: 2402U80231E-RF-00CA1

Report Date: 2024/8/29

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).

Reviewed By: Gavin Xu

Title: RF Engineer

Approved By: Ivan Cao

Title: EMC Manager

Bay Area Compliance Laboratories Corp. (Dongguan)
No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China

Tel: +86-769-86858888

Fax: +86-769-86858891

www.baclcorp.com.cn

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. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This report cannot be reproduced except in full, without prior written approval of the Company. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0. This report may contain data that are not covered by the accreditation scope and shall be marked with ★. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government. Each test item follows the test standard(s) without deviation.

CONTENTS

| | |
|---|-----------|
| DOCUMENT REVISION HISTORY | 3 |
| 1. GENERAL INFORMATION..... | 4 |
| 1.1 GENERAL DESCRIPTION OF EQUIPMENT UNDER TEST | 4 |
| 1.2 ACCESSORY INFORMATION | 4 |
| 1.3 EQUIPMENT MODIFICATIONS | 4 |
| 2. DESCRIPTION OF TEST CONFIGURATION | 5 |
| 2.1 DESCRIPTION OF TEST CONFIGURATION | 5 |
| 2.2 EUT EXERCISE SOFTWARE | 5 |
| 2.3 SUPPORT EQUIPMENT LIST AND DETAILS..... | 5 |
| 2.4 SUPPORT CABLE LIST AND DETAILS | 5 |
| 2.5 BLOCK DIAGRAM OF TEST SETUP | 6 |
| 2.6 TEST FACILITY | 7 |
| 2.7 MEASUREMENT UNCERTAINTY | 7 |
| 3. SUMMARY OF TEST RESULTS | 8 |
| DESCRIPTION OF CHANGE: | 8 |
| 4. REQUIREMENTS AND TEST PROCEDURES | 9 |
| 4.1 AC LINE CONDUCTED EMISSIONS..... | 9 |
| 4.1.1 EUT Setup..... | 9 |
| 4.1.2 EMI Test Receiver Setup | 9 |
| 4.1.3 Test Procedure | 10 |
| 4.1.4 Corrected Amplitude & Margin Calculation | 10 |
| 4.1.5 Test Result | 10 |
| 4.2 RADIATION EMISSIONS..... | 11 |
| 4.2.1 EUT Setup..... | 11 |
| 4.2.2 EMI Test Receiver Setup | 12 |
| 4.2.3 Test Procedure | 12 |
| 4.2.4 Corrected Amplitude & Margin Calculation | 12 |
| 5. TEST DATA AND RESULTS..... | 13 |
| 5.1 AC LINE CONDUCTED EMISSIONS | 13 |
| 5.2 RADIATION EMISSIONS..... | 16 |
| EXHIBIT A - EUT PHOTOGRAPHS..... | 27 |
| EXHIBIT B - TEST SETUP PHOTOGRAPHS | 28 |

DOCUMENT REVISION HISTORY

| Revision Number | Report Number | Description of Revision | Date of Revision |
|-----------------|----------------------|-------------------------|------------------|
| 1.0 | 2402U80231E-RF-00CA1 | Original Report | 2024/8/29 |

1. GENERAL INFORMATION

1.1 General Description Of Equipment under Test

| | |
|-------------------------------------|-----------------------|
| EUT Name: | Wireless Access Board |
| EUT Model: | KIT-100-02-4-CC |
| Highest Operation Frequency: | 5825MHz |
| Rated Input Voltage: | DC 3.3V from Host |
| Serial Number: | 2MQ4-2 |
| EUT Received Date: | 2024/6/8 |
| EUT Received Status: | Good |

1.2 Accessory Information

| Accessory Description | Manufacturer | Model | Parameters |
|-----------------------|--------------|-------|------------|
| / | / | / | / |

1.3 Equipment Modifications

No modifications are made to the EUT during all test items.

2. DESCRIPTION OF TEST CONFIGURATION

2.1 Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user). The following summary table is showing all test modes to demonstrate in compliance with the standard:

| Test Items | Test Modes |
|------------------------------------|---------------------|
| Radiated Emission : | Test Mode : Working |
| AC Line Conducted Emission: | Test Mode : Working |

2.2 EUT Exercise Software

No EUT software is used for testing.

2.3 Support Equipment List and Details

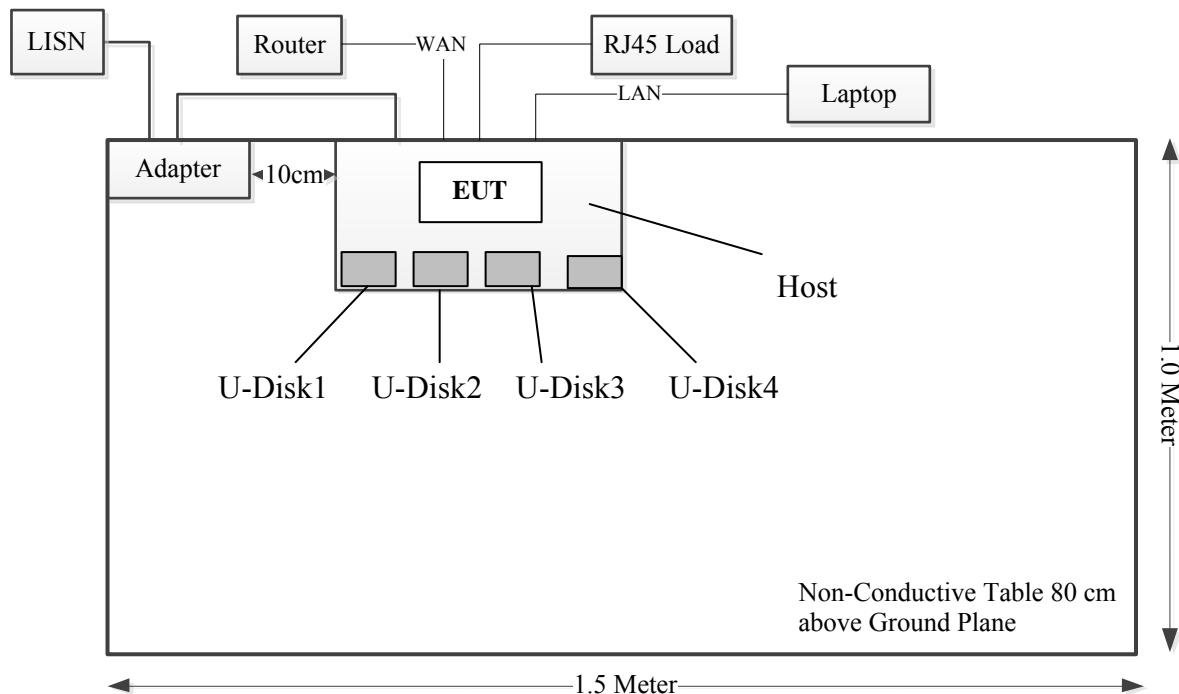
| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|----------------|------------------|
| ULLpower | Adapter | SAW30-240-1000 | SAW30-240-1000 |
| Kingston | U-Disk1 | 32G | EMZBUD21103001 |
| SANDisk | U-Disk2 | 16G | BL201026115 B |
| SANDisk | U-Disk3 | 16G | BL201026331 |
| SANDisk | U-Disk4 | 16G | BL201111386N |
| Lenovo | Laptop | G510 | CB30920865 |
| ZIONCOM | Router | MB-R210-00 | EMZBWR21103002 |
| Bacl | RJ45 Load | RJ45X8 | F-EM-PHRJ45X8002 |
| 8devices | Host | KIT_100 | 2MQ4-4 |

2.4 Support Cable List and Details

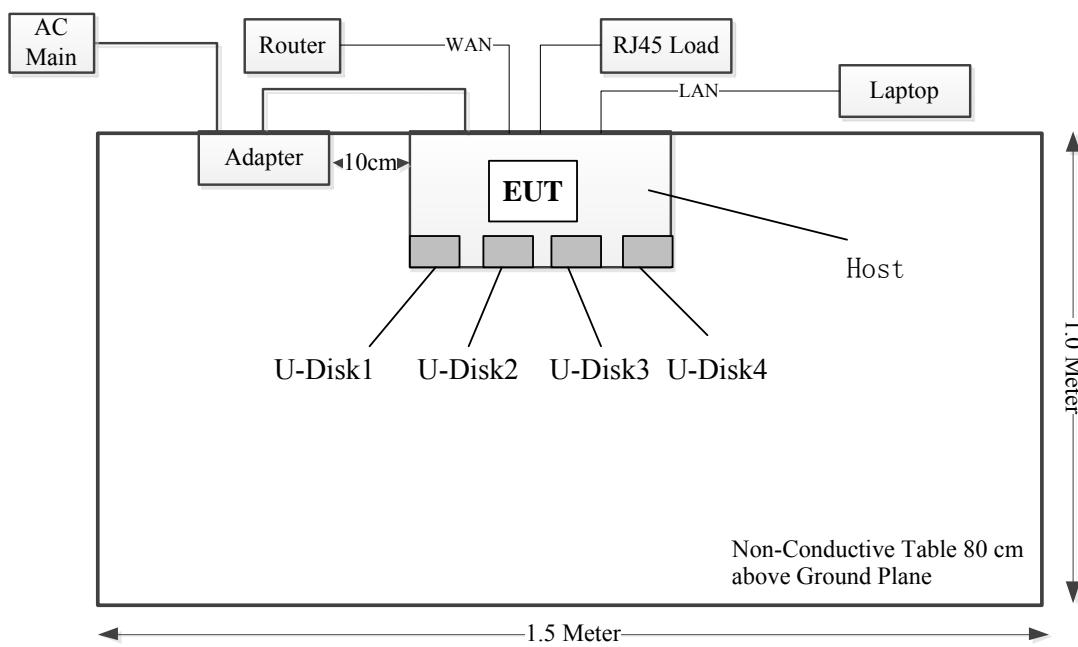
| Cable Description | Shielding Cable | Ferrite Core | Length (m) | From Port | To |
|-------------------|-----------------|--------------|------------|-----------|------|
| DC Cable | No | No | 1 | Adapter | Host |
| RJ45 Cable | No | No | 10 | Router | Host |
| RJ45 Cable | No | No | 10 | Laptop | Host |
| RJ45 Cable | No | No | 10 | RJ45 Load | Host |

2.5 Block Diagram of Test Setup

AC Line Conducted Emission:



Radiated Emission:



2.6 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, 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. : 829273, the FCC Designation No. : CN5044.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

2.7 Measurement Uncertainty

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

| Parameter | Measurement Uncertainty |
|-----------------------------------|---|
| Unwanted Emissions, radiated | 9kHz~30MHz: 3.3dB, 30MHz~200MHz: 4.55 dB, 200MHz~1GHz: 5.92 dB, 1GHz~6GHz: 4.98 dB, 6GHz~18GHz: 5.89 dB, 18GHz~26.5GHz: 5.47 dB, 26.5GHz~40GHz: 5.63 dB |
| Temperature | ±1°C |
| Humidity | ±5% |
| AC Power Lines Conducted Emission | 3.11 dB (150 kHz to 30 MHz) |

3. SUMMARY OF TEST RESULTS

| Standard Clause | Description of Test | Test Result |
|------------------------------|---------------------|-------------|
| FCC§15.107 ICES-003§3.2.1 | Conducted emissions | Compliant |
| FCC§15.109 ICES-003§3.2.2 | Radiated emissions | Compliant |

Description of change:

The device once certified, please refer to report No.: CR22010029-00C[▲], issued by China Certification ICT Co., Ltd (Dongguan), which was provided by the manufacturer[▲]. Differences between the previous device and the current one are stated and guaranteed by the manufacturer, as following:

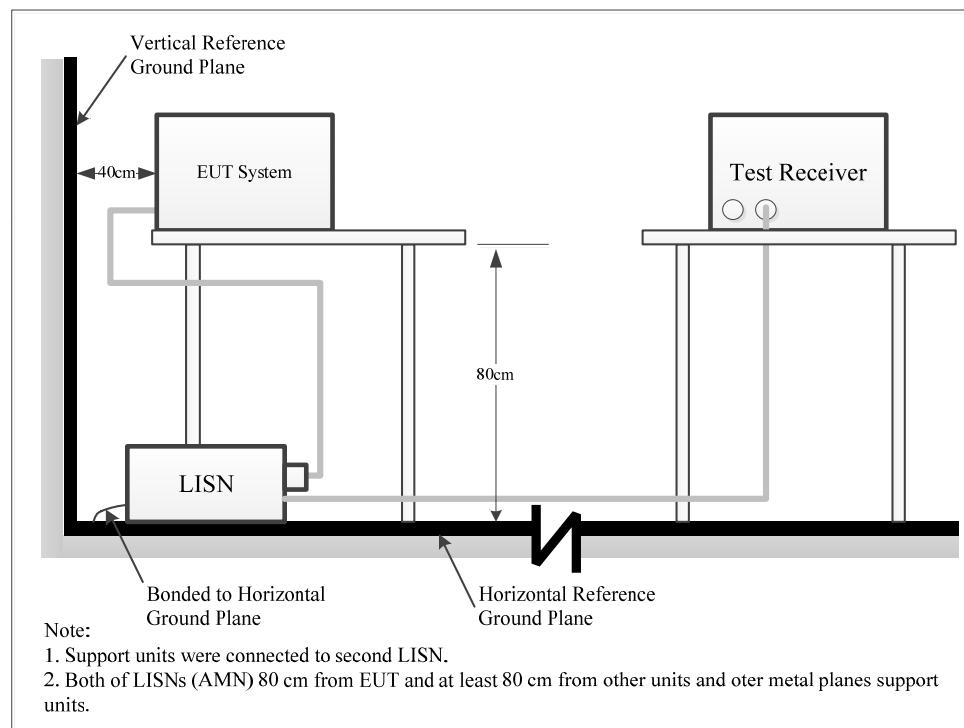
1. Changed the model name to **KIT-100-02-4-CC**.
2. Changed the product name to **Wireless Access Board**.
3. Change the memory chipset.
4. Software open 5250-5350MHz and 5470-5725MHz, meanwhile open Master mechanism, and the power is constant.
5. Change Whip antenna to PCB antenna.
6. Delete Chip Antenna.
7. Change the RF Chip model to QCN5152 (RF characteristics don't affect).

The Bay Area Compliance Laboratories Corp. (Dongguan) is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report.

4. REQUIREMENTS AND TEST PROCEDURES

4.1 AC Line Conducted Emissions

4.1.1 EUT Setup



The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B and Innovation, Science and Economic Development Canada ICES-003 Class B limits.

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

4.1.2 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 |

4.1.3 Test Procedure

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

The report shall list the six emissions with the smallest margin relative to the limit, unless the margin is greater than 20 dB.

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

4.1.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result (QuasiPeak or Average) = Meter Reading + Corr.

Note:

Corr. = Cable loss + Factor of coupling device

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

Margin = Limit –Result

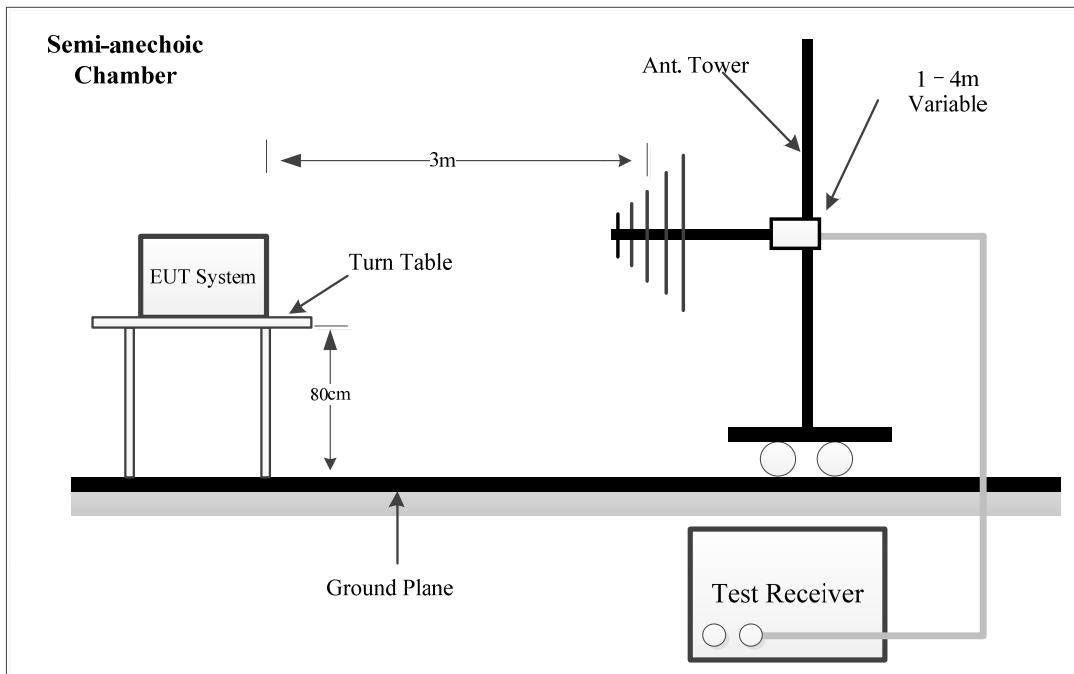
4.1.5 Test Result

Please refer to section 5.1.

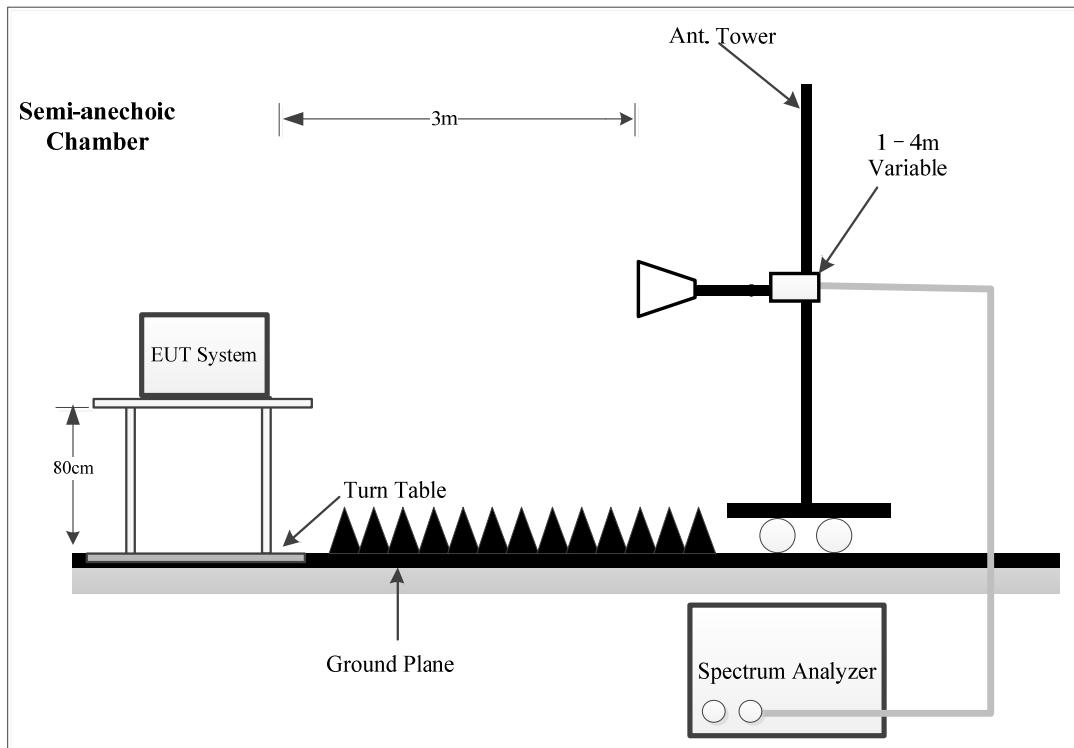
4.2 Radiation Emissions

4.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests below 1GHz were performed at the 3 meters distance, above 1GHz were performed at the 3 meters Chamber B, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15B and ICES-003 Class B limits.

4.2.2 EMI Test Receiver Setup

The system was investigated from 30 MHz to 30 GHz.

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

| Frequency Range | RBW | Video B/W | IF B/W | Measurement |
|------------------|---------|-----------|--------|-------------|
| 30MHz – 1000 MHz | 100 kHz | 300 kHz | / | Peak |
| | / | / | 120kHz | QP |
| Above 1 GHz | 1 MHz | 3 MHz | / | Peak |
| | 1 MHz | 3 MHz | / | AVG |

4.2.3 Test Procedure

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

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

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

4.2.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Meter Reading + Corrected

Note:

Corrected = Antenna Factor + Cable Loss - Amplifier Gain

or

Corrected = Antenna Factor + Cable Loss + Insertion loss of attenuator - Amplifier Gain

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

$$\text{Margin} = \text{Limit} - \text{Result}$$

5. TEST DATA AND RESULTS

5.1 AC Line Conducted Emissions

| | | | |
|----------------|------------|--------------|-----------|
| Serial Number: | 2MQ4-2 | Test Date: | 2024/6/24 |
| Test Site: | CE | Test Mode: | Working |
| Tester: | Wright Lai | Test Result: | Pass |

Environmental Conditions:

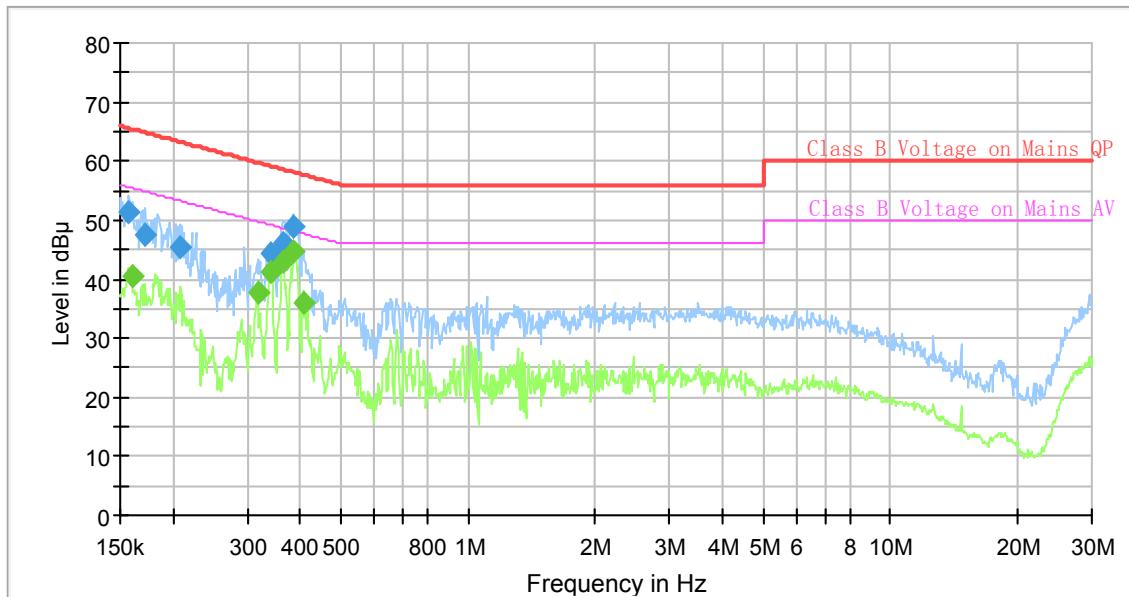
| | | | | | |
|-------------------|------|------------------------|----|---------------------|-------|
| Temperature: (°C) | 25.2 | Relative Humidity: (%) | 62 | ATM Pressure: (kPa) | 100.7 |
|-------------------|------|------------------------|----|---------------------|-------|

Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|-----------|---------------|------------------|----------------------|
| R&S | LISN | ENV216 | 101614 | 2023/10/18 | 2024/10/17 |
| MICRO-COAX | Coaxial Cable | C-NJNJ-50 | C-0200-01 | 2023/9/7 | 2024/9/6 |
| R&S | EMI Test Receiver | ESCI | 100035 | 2023/8/18 | 2024/8/17 |
| R&S | Test Software | EMC32 | V9.10.00 | N/A | N/A |

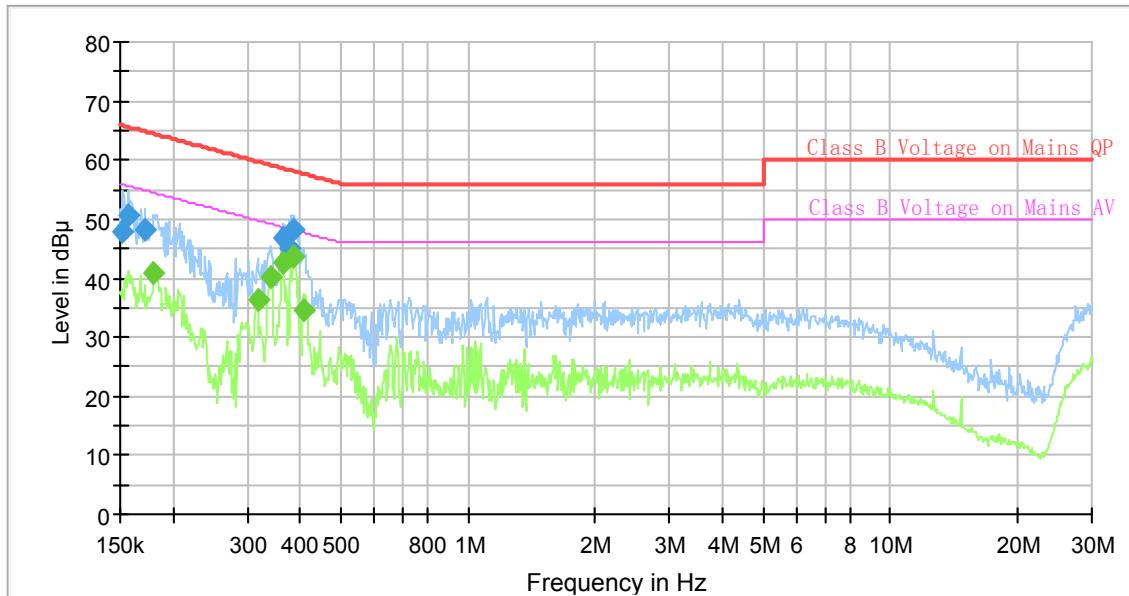
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Project No: 2402U80231E-RF-A1
 Test Engineer: Wright Lai
 Test Date: 2024-6-24
 Port: L
 Test Mode: Working
 Power Source: AC 120V/60Hz



| Frequency (MHz) | QuasiPeak (dB μ V) | Average (dB μ V) | Limit (dB μ V) | Margin (dB) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|--------------------|------------------|----------------|-------------|-----------------|------|------------|
| 0.157671 | 51.32 | --- | 65.59 | 14.27 | 9.000 | L1 | 10.8 |
| 0.160048 | --- | 40.60 | 55.46 | 14.86 | 9.000 | L1 | 10.8 |
| 0.172481 | 47.65 | --- | 64.84 | 17.19 | 9.000 | L1 | 10.8 |
| 0.208474 | 45.32 | --- | 63.27 | 17.95 | 9.000 | L1 | 10.8 |
| 0.316957 | --- | 37.81 | 49.79 | 11.98 | 9.000 | L1 | 10.8 |
| 0.339880 | 44.36 | --- | 59.21 | 14.85 | 9.000 | L1 | 10.8 |
| 0.339880 | --- | 41.18 | 49.21 | 8.03 | 9.000 | L1 | 10.8 |
| 0.364460 | 45.97 | --- | 58.63 | 12.66 | 9.000 | L1 | 10.8 |
| 0.364460 | --- | 42.81 | 48.63 | 5.82 | 9.000 | L1 | 10.8 |
| 0.385014 | 48.75 | --- | 58.17 | 9.42 | 9.000 | L1 | 10.8 |
| 0.386939 | --- | 44.84 | 48.13 | 3.29 | 9.000 | L1 | 10.8 |
| 0.406728 | --- | 36.07 | 47.71 | 11.64 | 9.000 | L1 | 10.8 |

Project No: 2402U80231E-RF-A1
 Test Engineer: Wright Lai
 Test Date: 2024-6-24
 Port: N
 Test Mode: Working
 Power Source: AC 120V/60Hz



| Frequency (MHz) | QuasiPeak (dB μ V) | Average (dB μ V) | Limit (dB μ V) | Margin (dB) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------------|----------------------|--------------------|-------------|-----------------|------|------------|
| 0.152261 | 47.69 | --- | 65.88 | 18.19 | 9.000 | N | 10.9 |
| 0.156106 | 50.66 | --- | 65.67 | 15.01 | 9.000 | N | 10.9 |
| 0.171623 | 48.36 | --- | 64.88 | 16.52 | 9.000 | N | 10.9 |
| 0.180400 | --- | 40.77 | 54.47 | 13.70 | 9.000 | N | 10.9 |
| 0.316957 | --- | 36.30 | 49.79 | 13.49 | 9.000 | N | 10.8 |
| 0.341579 | --- | 40.18 | 49.16 | 8.98 | 9.000 | N | 10.8 |
| 0.364460 | --- | 42.77 | 48.63 | 5.86 | 9.000 | N | 10.8 |
| 0.366283 | 46.71 | --- | 58.58 | 11.87 | 9.000 | N | 10.8 |
| 0.375532 | 45.00 | --- | 58.38 | 13.38 | 9.000 | N | 10.8 |
| 0.386939 | --- | 43.68 | 48.13 | 4.45 | 9.000 | N | 10.8 |
| 0.386939 | 48.30 | --- | 58.13 | 9.83 | 9.000 | N | 10.8 |
| 0.406728 | --- | 34.65 | 47.71 | 13.06 | 9.000 | N | 10.8 |

5.2 Radiation Emissions

| | | | |
|----------------|------------------------|--------------|---------------------|
| Serial Number: | 2MQ4-2 | Test Date: | 2024/6/16~2024/6/18 |
| Test Site: | Chamber10m, Chamber B | Test Mode: | Working |
| Tester: | Leesin Xiang, Nat Zhou | Test Result: | Pass |

| Environmental Conditions: | | | | | |
|---------------------------|-----------|------------------------|-------|---------------------|-----------|
| Temperature: (°C) | 25.8-25.9 | Relative Humidity: (%) | 54-61 | ATM Pressure: (kPa) | 100-100.5 |

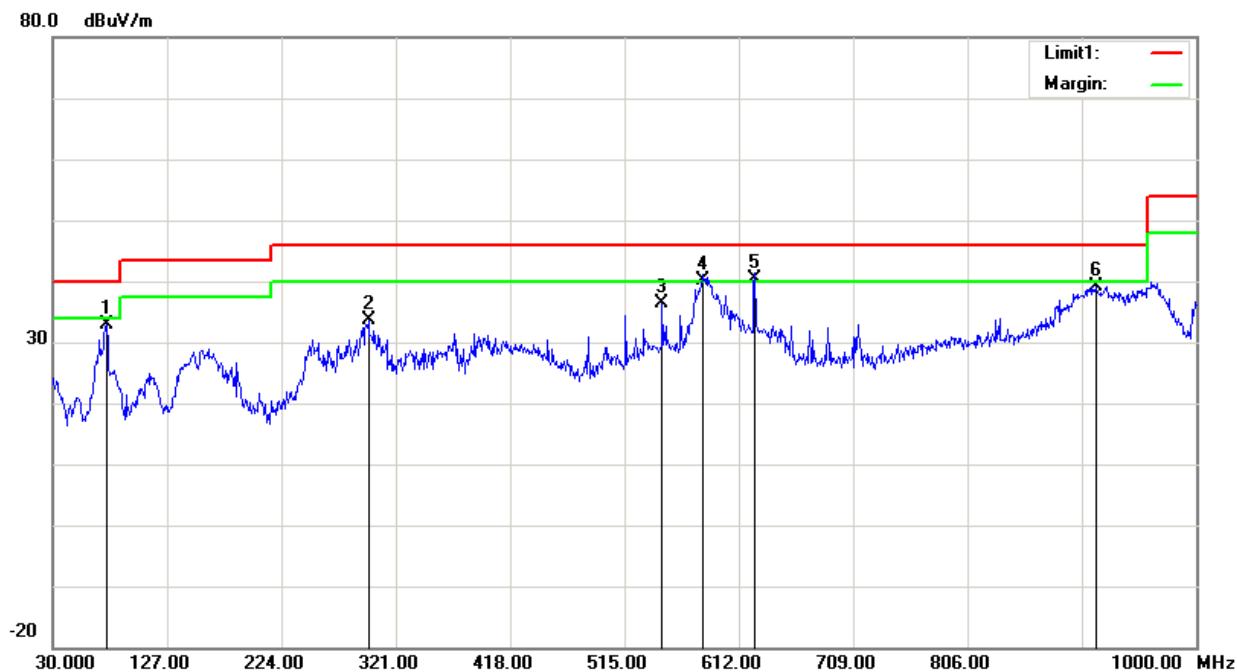
Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|-----------------------|---------------------------|-------------------|------------------|----------------------|
| Sunol Sciences | Hybrid Antenna | JB3 | A060611-1 | 2023/9/6 | 2026/9/5 |
| Narda | Coaxial Attenuator | 779-6dB | 04269 | 2023/9/6 | 2026/9/5 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-1000-01 | 2023/8/1 | 2024/7/31 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0400-04 | 2023/8/1 | 2024/7/31 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0530-01 | 2023/8/1 | 2024/7/31 |
| Sonoma | Amplifier | 310N | 185914 | 2023/8/1 | 2024/7/31 |
| R&S | EMI Test Receiver | ESCI | 100224 | 2023/8/18 | 2024/8/17 |
| Farad | Test Software | EZ-EMC | V1.1.4.2 | N/A | N/A |
| ETS-Lindgren | Horn Antenna | 3115 | 000 527 35 | 2023/9/7 | 2026/9/6 |
| Ducommun Technologies | Horn Antenna | ARH-4223-02 | 1007726-02 1304 | 2023/2/22 | 2026/2/21 |
| Ducommun Technologies | Horn Antenna | ARH-2823-02 | 1007726-01 1302 | 2023/2/22 | 2026/2/21 |
| Xinhang Macrowave | Coaxial Cable | XH750A-N/J-SMA/J-10M | 20231117004 #0001 | 2023/11/17 | 2024/11/16 |
| Xinhang Macrowave | Coaxial Cable | XH360A-2.92/J-2.92/J-6M-A | 20231208001 #0001 | 2023/12/11 | 2024/12/10 |
| AH | Preamplifier | PAM-0118P | 469 | 2024/4/15 | 2025/4/15 |
| AH | Preamplifier | PAM-1840VH | 191 | 2023/9/7 | 2024/9/6 |
| R&S | Spectrum Analyzer | FSV40 | 101944 | 2023/10/18 | 2024/10/17 |
| Audix | Test Software | E3 | 191218 V9 | N/A | N/A |
| E-Microwave | Band Rejection Filter | OBSF-2400-2483.5-S | OE01601525 | 2024/2/21 | 2025/2/20 |
| Sinoscite | Band Rejection Filter | BSF5150-5850MN | 0899003 | 2024/2/21 | 2025/2/20 |
| Mini-Circuits | High Pass Filter | VHF-6010+ | 31118 | 2023/12/1 | 2024/11/30 |

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

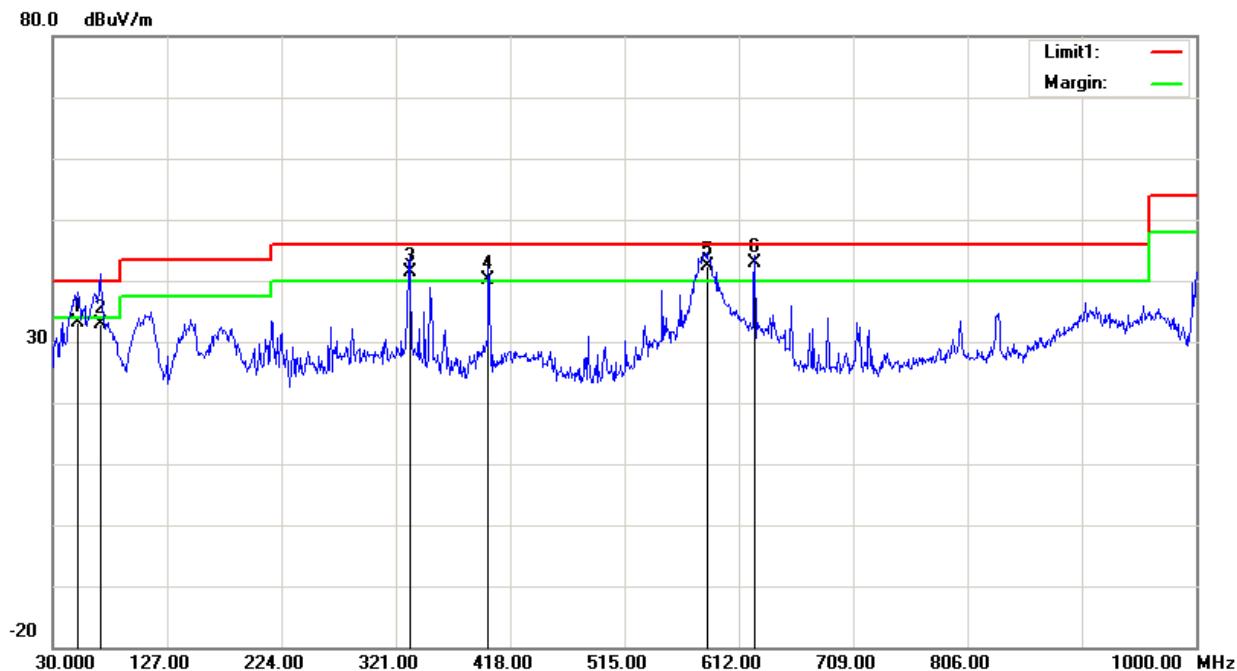
1) 30MHz-1GHz:

Project No: 2402U80231E-RF-A1
Test Engineer: Leesin Xiang
Test Date: 2024-6-16
Polarization: Horizontal
Test Mode: Working
Power Source: AC 120V/60Hz



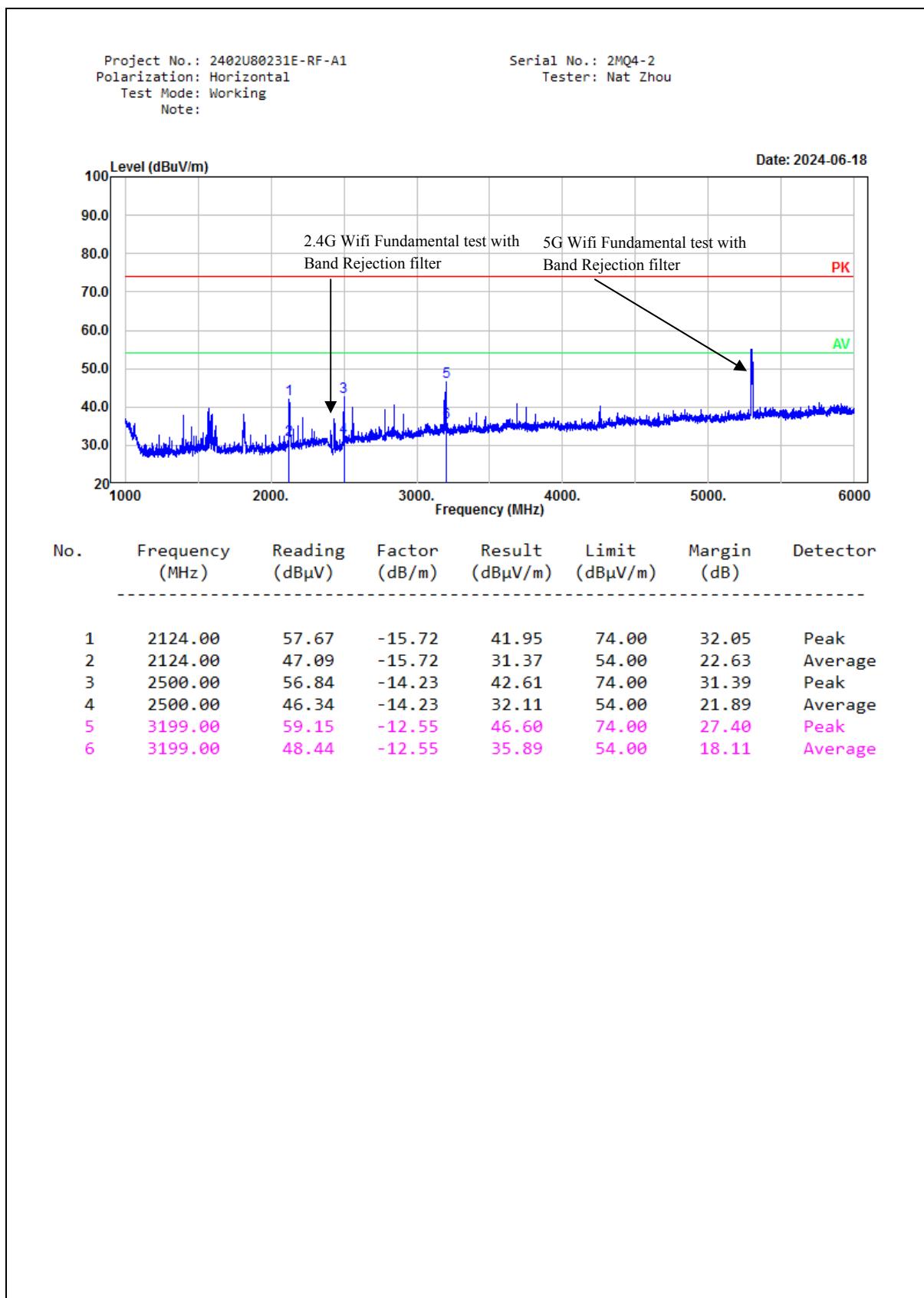
| No. | Frequency (MHz) | Reading (dBuV) | Detector | Corrected (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
|-----|--------------------|-------------------|----------|---------------------|--------------------|-------------------|----------------|
| 1 | 75.5900 | 49.17 | peak | -16.20 | 32.97 | 40.00 | 7.03 |
| 2 | 297.7200 | 43.09 | peak | -9.58 | 33.51 | 46.00 | 12.49 |
| 3 | 547.0100 | 40.04 | peak | -3.58 | 36.46 | 46.00 | 9.54 |
| 4 | 581.9300 | 43.33 | QP | -3.13 | 40.20 | 46.00 | 5.80 |
| 5 | 625.5800 | 42.74 | QP | -2.24 | 40.50 | 46.00 | 5.50 |
| 6 | 914.6400 | 37.64 | peak | 1.58 | 39.22 | 46.00 | 6.78 |

Project No: 2402U80231E-RF-A1
Test Engineer: Leesin Xiang
Test Date: 2024-6-16
Polarization: Vertical
Test Mode: Working
Power Source: AC 120V/60Hz



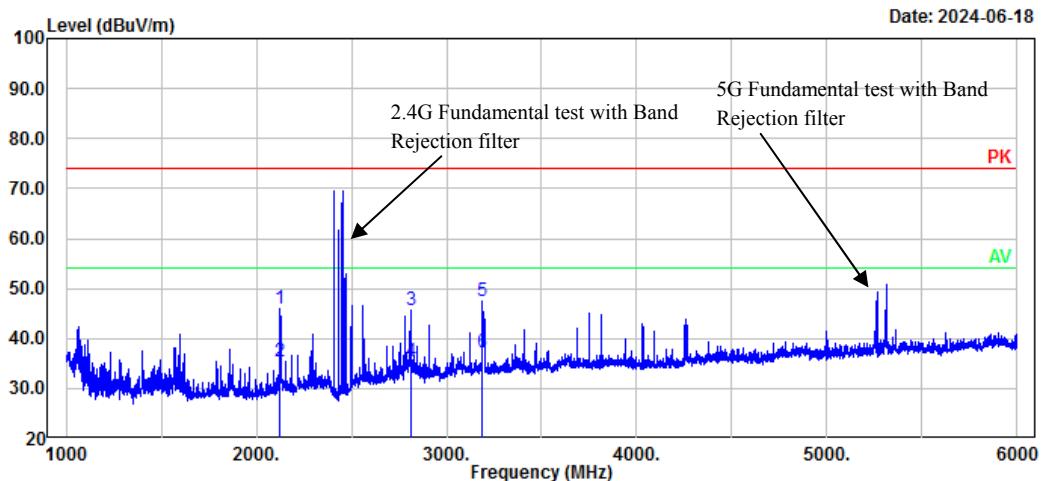
| No. | Frequency (MHz) | Reading (dB _{uV}) | Detector | Corrected (dB/m) | Result (dB _{uV/m}) | Limit (dB _{uV/m}) | Margin (dB) |
|-----|--------------------|--------------------------------|----------|---------------------|---------------------------------|--------------------------------|----------------|
| 1 | 51.3400 | 49.65 | QP | -16.45 | 33.20 | 40.00 | 6.80 |
| 2 | 70.7400 | 49.17 | QP | -16.27 | 32.90 | 40.00 | 7.10 |
| 3 | 332.6400 | 50.13 | QP | -8.83 | 41.30 | 46.00 | 4.70 |
| 4 | 399.5700 | 47.09 | QP | -6.99 | 40.10 | 46.00 | 5.90 |
| 5 | 584.8400 | 45.34 | QP | -3.04 | 42.30 | 46.00 | 3.70 |
| 6 | 625.5800 | 45.24 | QP | -2.24 | 43.00 | 46.00 | 3.00 |

2) 1GHz-30GHz:



Project No.: 2402U80231E-RF-A1
Polarization: Vertical
Test Mode: Working
Note:

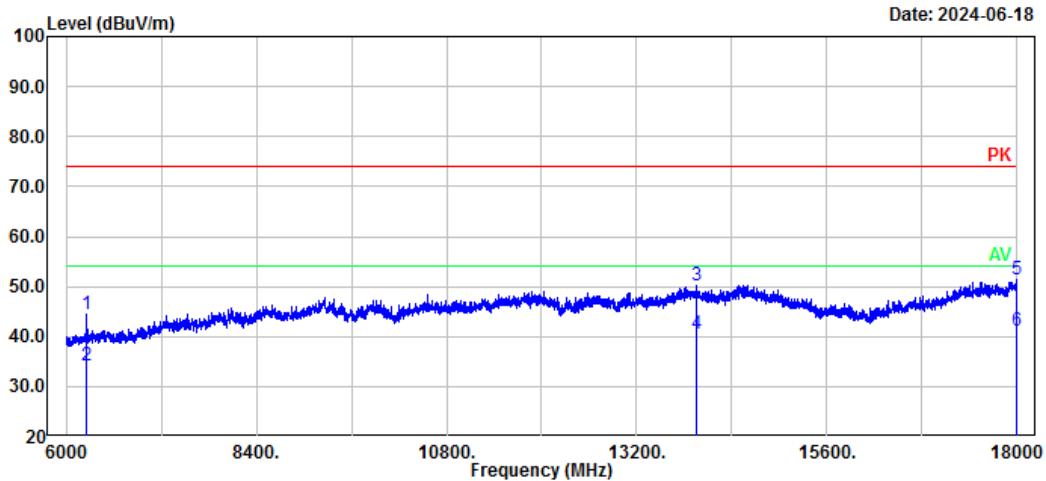
Serial No.: 2MQ4-2
Tester: Nat Zhou



| No. | Frequency (MHz) | Reading (dB μ V) | Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector |
|-----|-----------------|----------------------|---------------|-----------------------|----------------------|-------------|----------|
| 1 | 2125.00 | 61.71 | -15.72 | 45.99 | 74.00 | 28.01 | Peak |
| 2 | 2125.00 | 51.15 | -15.72 | 35.43 | 54.00 | 18.57 | Average |
| 3 | 2810.00 | 59.03 | -13.29 | 45.74 | 74.00 | 28.26 | Peak |
| 4 | 2810.00 | 48.68 | -13.29 | 35.39 | 54.00 | 18.61 | Average |
| 5 | 3186.00 | 59.88 | -12.54 | 47.34 | 74.00 | 26.66 | Peak |
| 6 | 3186.00 | 49.65 | -12.54 | 37.11 | 54.00 | 16.89 | Average |

Project No.: 2402U80231E-RF-A1
Polarization: Horizontal
Test Mode: Working
Note:

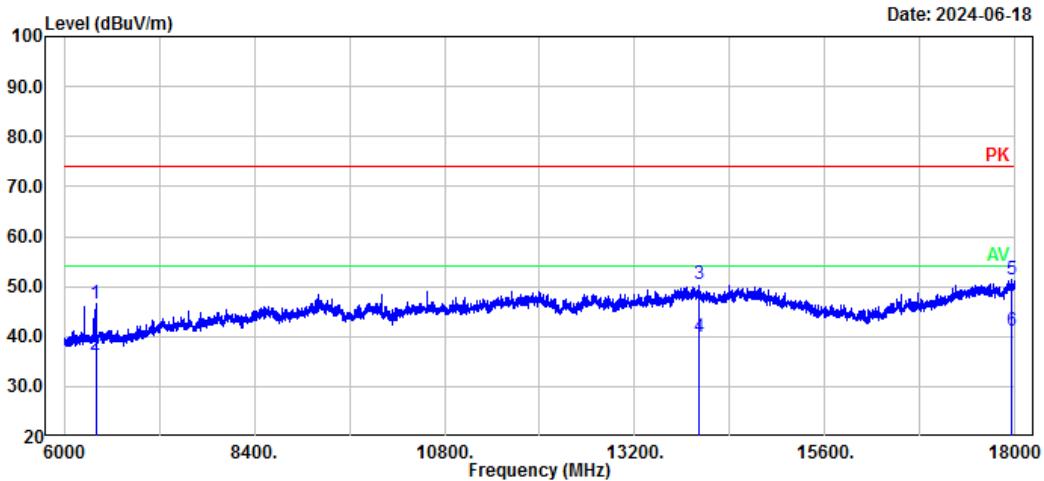
Serial No.: 2MQ4-2
Tester: Nat Zhou



| No. | Frequency (MHz) | Reading (dB μ V) | Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector |
|-----|-----------------|----------------------|---------------|-----------------------|----------------------|-------------|----------|
| 1 | 6249.60 | 52.21 | -7.78 | 44.43 | 74.00 | 29.57 | Peak |
| 2 | 6249.60 | 41.90 | -7.78 | 34.12 | 54.00 | 19.88 | Average |
| 3 | 13958.40 | 46.84 | 3.47 | 50.31 | 74.00 | 23.69 | Peak |
| 4 | 13958.40 | 37.03 | 3.47 | 40.50 | 54.00 | 13.50 | Average |
| 5 | 17990.40 | 43.30 | 8.06 | 51.36 | 74.00 | 22.64 | Peak |
| 6 | 17990.40 | 33.04 | 8.06 | 41.10 | 54.00 | 12.90 | Average |

Project No.: 2402U80231E-RF-A1
Polarization: Vertical
Test Mode: Working
Note:

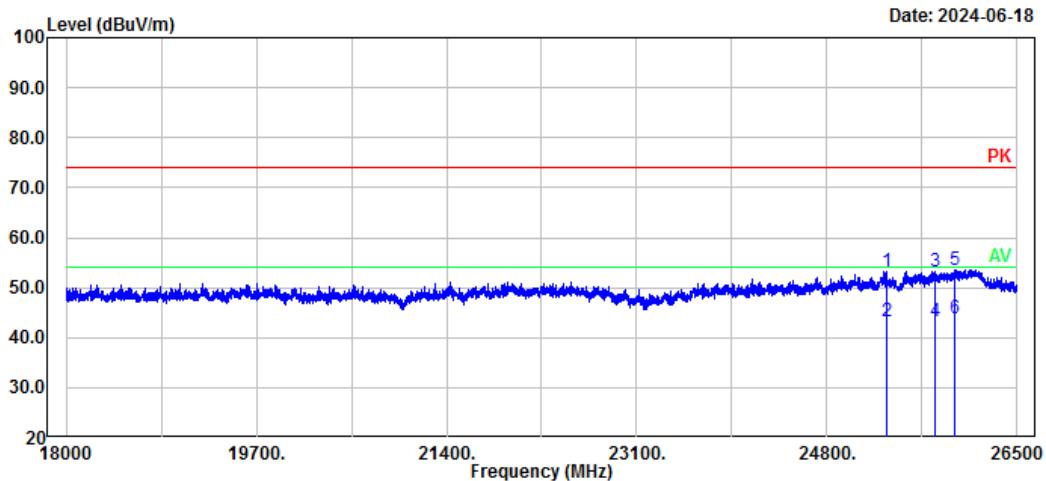
Serial No.: 2MQ4-2
Tester: Nat Zhou



| No. | Frequency (MHz) | Reading (dB μ V) | Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector |
|-----|-----------------|----------------------|---------------|-----------------------|----------------------|-------------|----------|
| 1 | 6398.40 | 54.11 | -7.53 | 46.58 | 74.00 | 27.42 | Peak |
| 2 | 6398.40 | 43.91 | -7.53 | 36.38 | 54.00 | 17.62 | Average |
| 3 | 14013.60 | 46.81 | 3.53 | 50.34 | 74.00 | 23.66 | Peak |
| 4 | 14013.60 | 36.54 | 3.53 | 40.07 | 54.00 | 13.93 | Average |
| 5 | 17959.20 | 43.66 | 7.84 | 51.50 | 74.00 | 22.50 | Peak |
| 6 | 17959.20 | 33.40 | 7.84 | 41.24 | 54.00 | 12.76 | Average |

Project No.: 2402U80231E-RF-A1
Polarization: Horizontal
Test Mode: Working
Note:

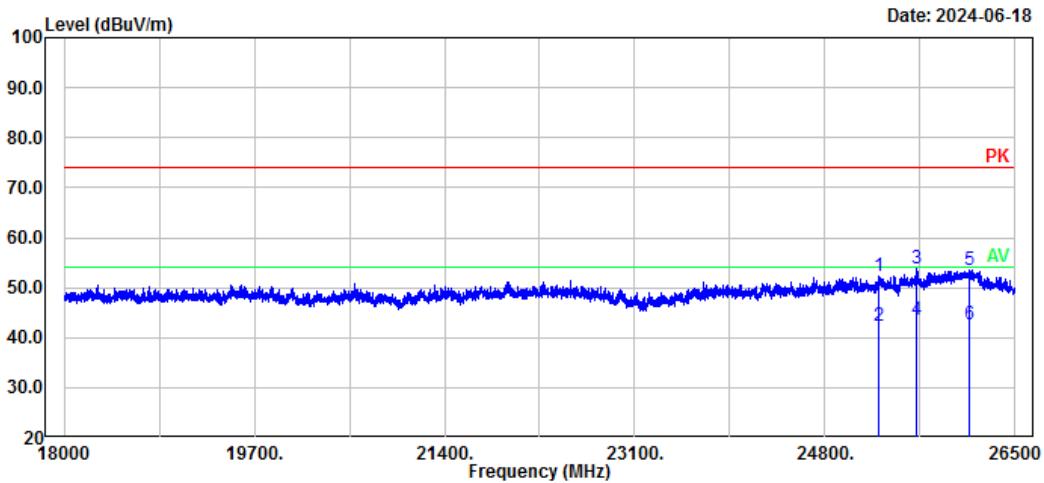
Serial No.: 2MQ4-2
Tester: Nat Zhou



| No. | Frequency (MHz) | Reading (dB μ V) | Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector |
|-------|-----------------|----------------------|---------------|-----------------------|----------------------|-------------|----------|
| <hr/> | | | | | | | |
| 1 | 25333.80 | 43.34 | 9.82 | 53.16 | 74.00 | 20.84 | Peak |
| 2 | 25333.80 | 33.39 | 9.82 | 43.21 | 54.00 | 10.79 | Average |
| 3 | 25760.50 | 42.91 | 10.41 | 53.32 | 74.00 | 20.68 | Peak |
| 4 | 25760.50 | 32.69 | 10.41 | 43.10 | 54.00 | 10.90 | Average |
| 5 | 25944.10 | 42.82 | 10.76 | 53.58 | 74.00 | 20.42 | Peak |
| 6 | 25944.10 | 33.00 | 10.76 | 43.76 | 54.00 | 10.24 | Average |

Project No.: 2402U80231E-RF-A1
Polarization: Vertical
Test Mode: Working
Note:

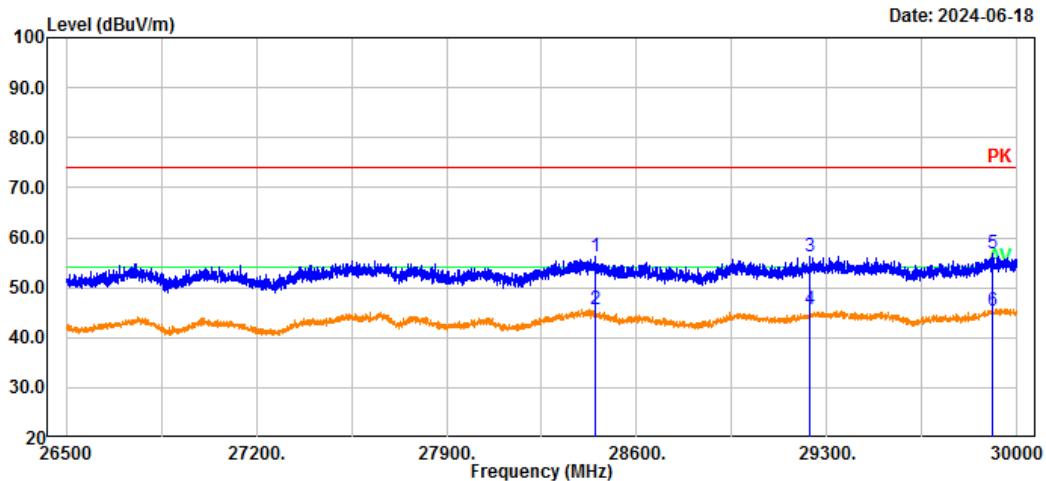
Serial No.: 2MQ4-2
Tester: Nat Zhou



| No. | Frequency (MHz) | Reading (dB μ V) | Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector |
|-------|-----------------|----------------------|---------------|-----------------------|----------------------|-------------|----------|
| <hr/> | | | | | | | |
| 1 | 25282.80 | 42.63 | 9.79 | 52.42 | 74.00 | 21.58 | Peak |
| 2 | 25282.80 | 32.56 | 9.79 | 42.35 | 54.00 | 11.65 | Average |
| 3 | 25617.70 | 43.79 | 10.14 | 53.93 | 74.00 | 20.07 | Peak |
| 4 | 25617.70 | 33.44 | 10.14 | 43.58 | 54.00 | 10.42 | Average |
| 5 | 26085.20 | 42.75 | 10.89 | 53.64 | 74.00 | 20.36 | Peak |
| 6 | 26085.20 | 31.62 | 10.89 | 42.51 | 54.00 | 11.49 | Average |

Project No.: 2402U80231E-RF-A1
Polarization: Horizontal
Test Mode: Working
Note:

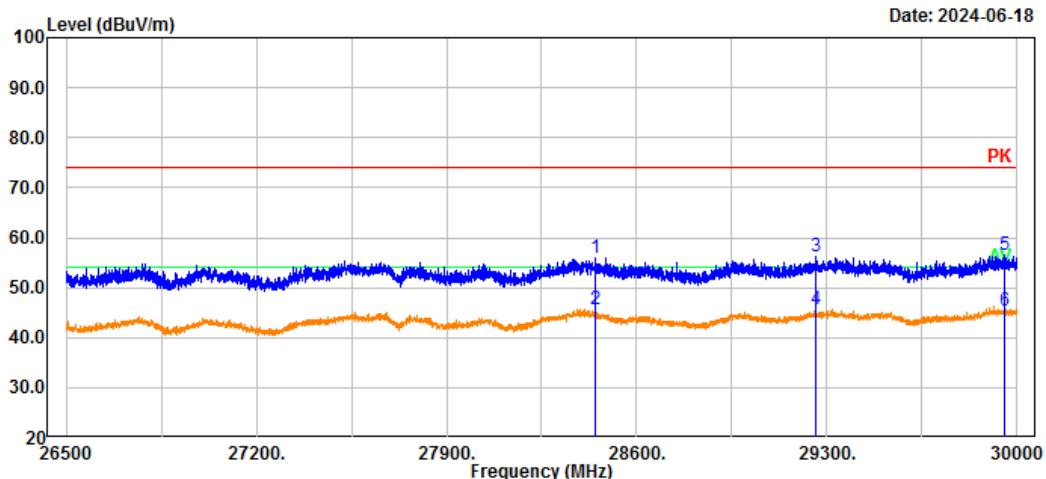
Serial No.: 2MQ4-2
Tester: Nat Zhou



| No. | Frequency (MHz) | Reading (dB μ V) | Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector |
|-----|-----------------|----------------------|---------------|-----------------------|----------------------|-------------|----------|
| 1 | 28449.50 | 43.26 | 13.05 | 56.31 | 74.00 | 17.69 | Peak |
| 2 | 28449.50 | 32.52 | 13.05 | 45.57 | 54.00 | 8.43 | Average |
| 3 | 29239.10 | 43.70 | 12.61 | 56.31 | 74.00 | 17.69 | Peak |
| 4 | 29239.10 | 33.15 | 12.61 | 45.76 | 54.00 | 8.24 | Average |
| 5 | 29909.70 | 43.97 | 12.72 | 56.69 | 74.00 | 17.31 | Peak |
| 6 | 29909.70 | 32.63 | 12.72 | 45.35 | 54.00 | 8.65 | Average |

Project No.: 2402U80231E-RF-A1
Polarization: Vertical
Test Mode: Working
Note:

Serial No.: 2MQ4-2
Tester: Nat Zhou



| No. | Frequency (MHz) | Reading (dB μ V) | Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector |
|-------|-----------------|----------------------|---------------|-----------------------|----------------------|-------------|----------|
| <hr/> | | | | | | | |
| 1 | 28449.50 | 42.99 | 13.05 | 56.04 | 74.00 | 17.96 | Peak |
| 2 | 28449.50 | 32.47 | 13.05 | 45.52 | 54.00 | 8.48 | Average |
| 3 | 29259.40 | 43.72 | 12.64 | 56.36 | 74.00 | 17.64 | Peak |
| 4 | 29259.40 | 33.05 | 12.64 | 45.69 | 54.00 | 8.31 | Average |
| 5 | 29951.70 | 43.74 | 12.69 | 56.43 | 74.00 | 17.57 | Peak |
| 6 | 29951.70 | 32.72 | 12.69 | 45.41 | 54.00 | 8.59 | Average |

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402U80231E-RF-A1-EXP EUT EXTERNAL PHOTOGRAPHS and 2402U80231E-RF-A1-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402U80231E-RF-00CA1-TSP TEST SETUP PHOTOGRAPHS.

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