



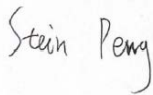
# FCC PART 15.247 TEST REPORT

For

**Xiamen Milesight IoT Co., Ltd.**

Building C09, Software Park Phase III, Xiamen 361024, Fujian, China

**FCC ID: 2AYHY-VS125P**

|                                        |                                                                                                                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Type:</b><br>Original Report | <b>Product Name:</b><br>AI Stereo Vision People Counter                                                                                                                                                                                                                        |
| <b>Report Number:</b>                  | 2407T78483E-RF-01                                                                                                                                                                                                                                                              |
| <b>Report Date:</b>                    | 2024-08-31                                                                                                                                                                                                                                                                     |
| <b>Reviewed By:</b>                    | <br>Stein Peng                                                                                                                                                                              |
| <b>Approved By:</b>                    | <br>Miles Chen                                                                                                                                                                              |
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REPORT REVISION HISTORY

| Number of Revisions | Report No.        | Version | Issue Date | Description     |
|---------------------|-------------------|---------|------------|-----------------|
| 0                   | 2407T78483E-RF-01 | R1V1    | 2024-08-31 | Initial Release |

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

|                                                                                                                                                                                                                                                                                                                                                    |         |                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------|
| Product Name:                                                                                                                                                                                                                                                                                                                                      |         | AI Stereo Vision People Counter                                             |
| Tested Model:                                                                                                                                                                                                                                                                                                                                      |         | VS125-P                                                                     |
| Multiple Model(s):                                                                                                                                                                                                                                                                                                                                 |         | NF125-P, VS125, NF125                                                       |
| Power Supply:                                                                                                                                                                                                                                                                                                                                      |         | DC 12V from Adapter or DC 48V from PoE                                      |
| Adapter Information                                                                                                                                                                                                                                                                                                                                | Model:  | FJ-SW126K1201000DU                                                          |
|                                                                                                                                                                                                                                                                                                                                                    | Input:  | AC 100-240V, 50/60Hz, 0.4A Max                                              |
|                                                                                                                                                                                                                                                                                                                                                    | Output: | DC 12V, 1A                                                                  |
| Maximum Conducted Output Power:                                                                                                                                                                                                                                                                                                                    |         | 15.13dBm                                                                    |
| Frequency Range:                                                                                                                                                                                                                                                                                                                                   |         | 2412-2462MHz                                                                |
| Modulation Technique:                                                                                                                                                                                                                                                                                                                              |         | 802.11b: DSSS-DBPSK, DQPSK, CCK<br>802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM |
| Antenna Type:                                                                                                                                                                                                                                                                                                                                      |         | PCB                                                                         |
| ★Maximum Antenna Gain:                                                                                                                                                                                                                                                                                                                             |         | 0.07dBi                                                                     |
| EUT Received Status:                                                                                                                                                                                                                                                                                                                               |         | Good                                                                        |
| <i>Note:</i><br>1. The Maximum Antenna Gain was declared by manufacturer.<br>2. The model difference please refer to declaration letter.<br>3. All measurement and test data in this report was gathered from production sample serial number: 2M5Q-1 (Assigned by the BACL(Xiamen). The EUT supplied by the applicant was received on 2024-05-22) |         |                                                                             |

## Objective

This report is prepared on behalf of *Xiamen Milesight IoT Co., Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commission's rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

## Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

And KDB 558074 D01 15.247 Meas Guidance v05r02.

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

## Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

## Measurement Uncertainty

| Item                                            |               | $U_{lab}$ |
|-------------------------------------------------|---------------|-----------|
| Conducted Emission                              | 150kHz-30MHz  | 2.33 dB   |
| Radiated Emission                               | 9kHz-30MHz    | 2.59 dB   |
|                                                 | 30MHz~200MHz  | 4.38 dB   |
|                                                 | 200MHz~1GHz   | 4.50 dB   |
|                                                 | 1GHz~6GHz     | 4.58 dB   |
|                                                 | 6GHz-18GHz    | 5.43 dB   |
|                                                 | 18GHz~26.5GHz | 5.47 dB   |
| Occupied Channel Bandwidth                      |               | 0.10MHz   |
| Transmitter Conducted Power(Conducted RF power) |               | 0.624 dB  |
| Power Spectral Density                          |               | 0.61dB    |
| Duty Cycle                                      |               | 1%        |
| Temperature                                     |               | 1°C       |
| Humidity                                        |               | 5%        |
| Supply voltages                                 |               | 0.4%      |

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

## SYSTEM TEST CONFIGURATION

### Test Mode and Voltage

|                                                                                               |                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The system was configured for testing in a typical mode (as normally used by a typical user). |                                                                                                                                                                    |
| Test mode:                                                                                    | Transmitting                                                                                                                                                       |
| Test voltage:                                                                                 | AC 120V/60Hz                                                                                                                                                       |
| Remark:                                                                                       | During all emission tests, the EUT was configured to measure its highest possible emission level and the worst case's test data was presented in this test report. |

### Description of Test Configuration

For 802.11b, 802.11g, 802.11n-ht20, 802.11n-ht40 mode, 11 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 1       | 2412            | 8       | 2447            |
| 2       | 2417            | 9       | 2452            |
| 3       | 2422            | 10      | 2457            |
| 4       | 2427            | 11      | 2462            |
| 5       | 2432            | /       | /               |
| 6       | 2437            | /       | /               |
| 7       | 2442            | /       | /               |

For 802.11b, 802.11g, 802.11n-ht20 mode, EUT was tested with Channel 1, 6 and 11.  
For 802.11n-ht40 mode, EUT was tested with Channel 3, 6 and 9.

### Equipment Modifications

No modification was made to the EUT tested.

### EUT Exercise Software

Wi-Fi test in the engineer mode.

RF Test Tool: putty.exe

The device was tested with the worst case was performed as below:

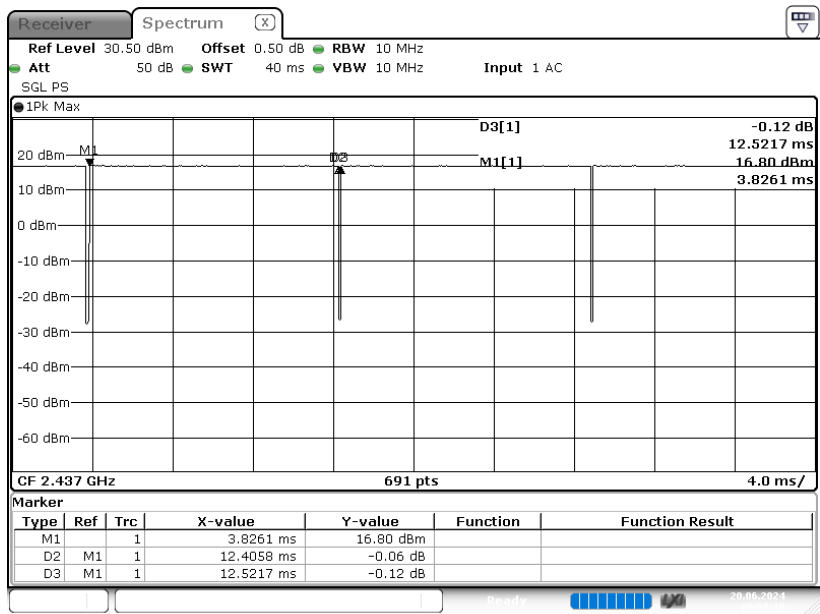
| Mode         | Data rate | Power level |                |              |
|--------------|-----------|-------------|----------------|--------------|
|              |           | Low channel | Middle channel | High channel |
| 802.11b      | 1 Mbps    | 60          | 60             | 60           |
| 802.11g      | 6 Mbps    | 60          | 60             | 60           |
| 802.11n-ht20 | MCS0      | 60          | 60             | 60           |
| 802.11n-ht40 | MCS0      | 60          | 60             | 60           |

Pre-scan with all the data rates, the above data rate is the worst case for Wi-Fi test.

# Duty cycle

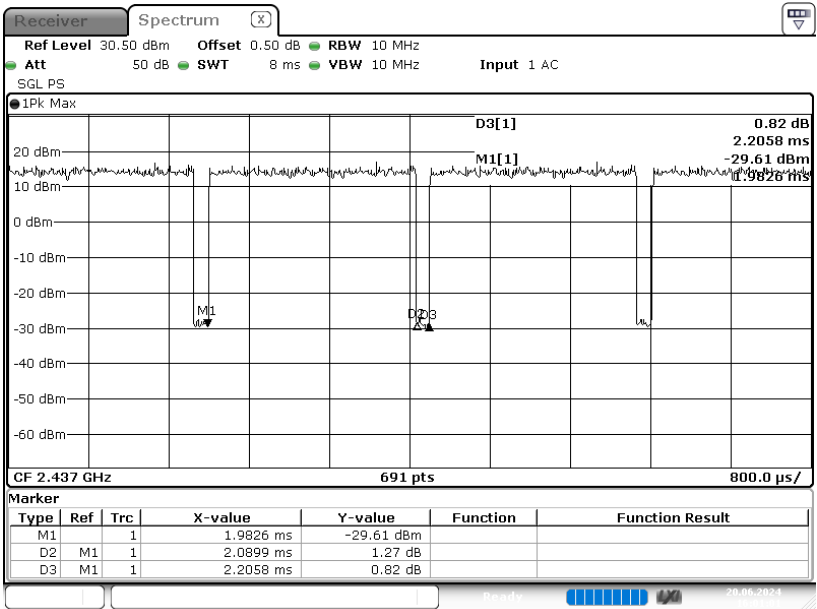
| Modes       | Ton (ms) | Ton + off (ms) | Duty cycle (%) | 1/T (Hz) | Duty Factor (dB) | VBW Setting (kHz) |
|-------------|----------|----------------|----------------|----------|------------------|-------------------|
| 802.11b     | 12.4058  | 12.5217        | 99.07          | 81       | 0                | 0.01              |
| 802.11g     | 2.0899   | 2.2058         | 94.75          | 478      | 0.23             | 0.50              |
| 802.11nHT20 | 1.9507   | 2.0319         | 96.00          | 513      | 0.18             | 1.00              |
| 802.11nHT40 | 0.9536   | 1.0579         | 90.14          | 1049     | 0.45             | 2.00              |

## 802.11b Middle Channel



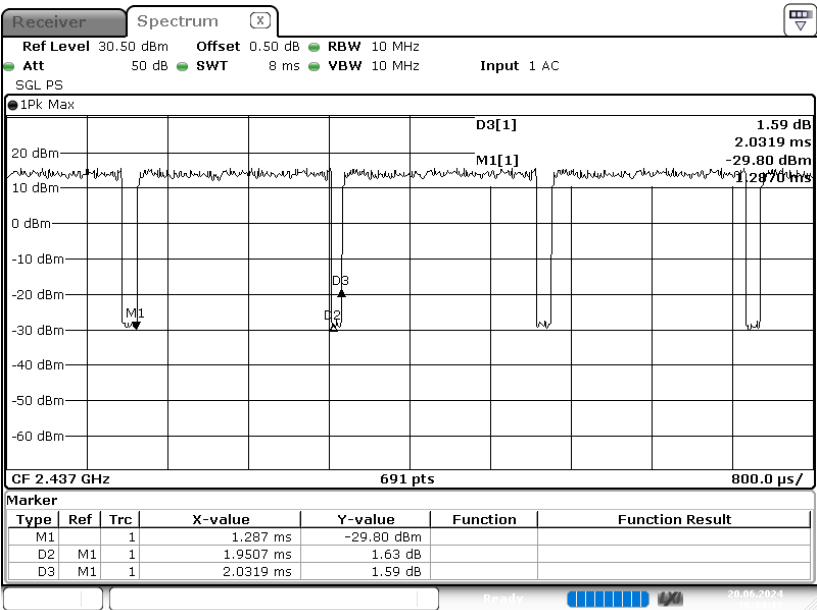
Project No. :2407T78483E-RF Tester: Stein Peng  
Date: 20.JUN.2024 15:57:10

802.11g Middle Channel



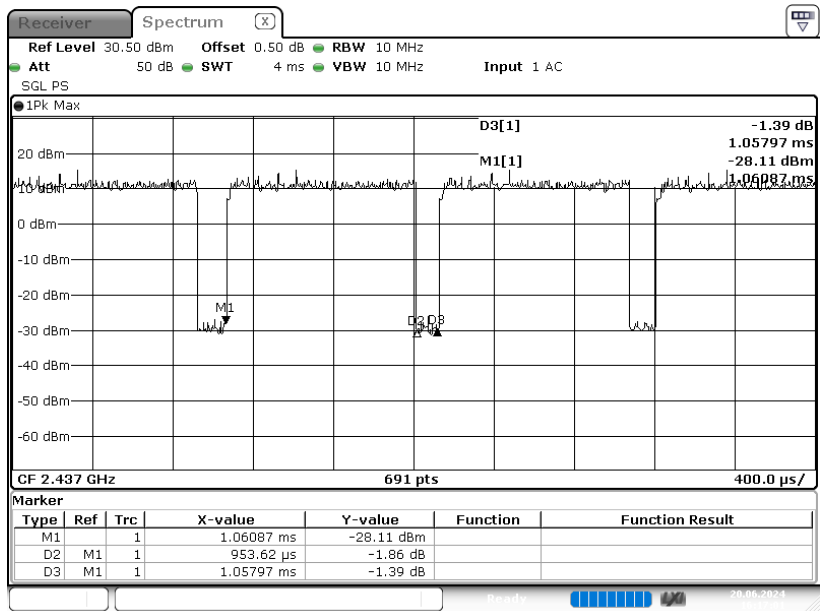
Project No. :2407T78483E-RF Tester: Stein Peng  
Date: 20.JUN.2024 16:01:01

802.11nHT20 Middle Channel



Project No. :2407T78483E-RF Tester: Stein Peng  
Date: 20.JUN.2024 16:14:13

802.11nHT40 Middle Channel



Project No. :2407T78483E-RF Tester: Stein Peng  
Date: 20.JUN.2024 16:17:01

### Support Equipment List and Details

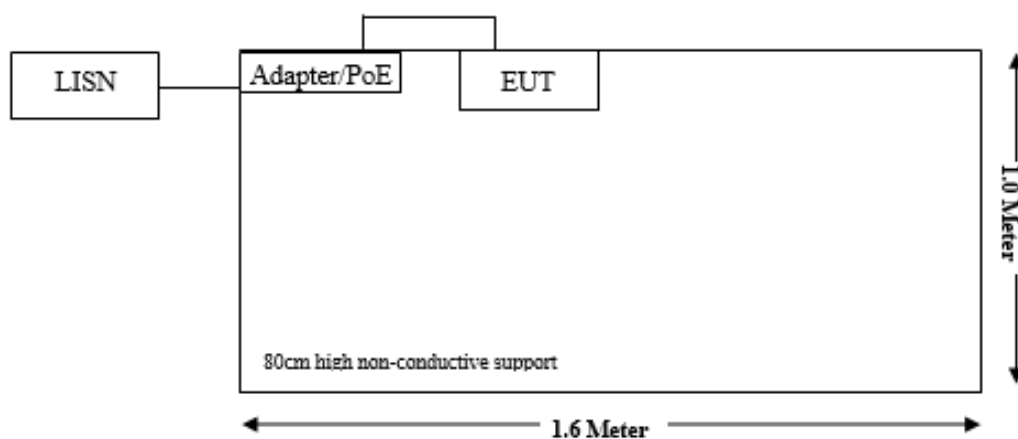
| Manufacturer                          | Description                      | Model                  | Serial Number |
|---------------------------------------|----------------------------------|------------------------|---------------|
| SHENZHEN FUJIA<br>APPLIANCE CO., LTD. | SWITCHING ADAPTOR                | FJ-SW126K<br>1201000DU | N/A           |
| RUIJIE NETWORKS<br>CO.,LTD            | Single-port PoE Power<br>Adapter | RG-E-130(GE)           | G1QT7S400747A |

### External I/O Cable

| Cable Description | Length (m) | From Port | To  |
|-------------------|------------|-----------|-----|
| Power Cable       | 1.5        | Adapter   | EUT |
| Network cable     | 1          | EUT       | POE |

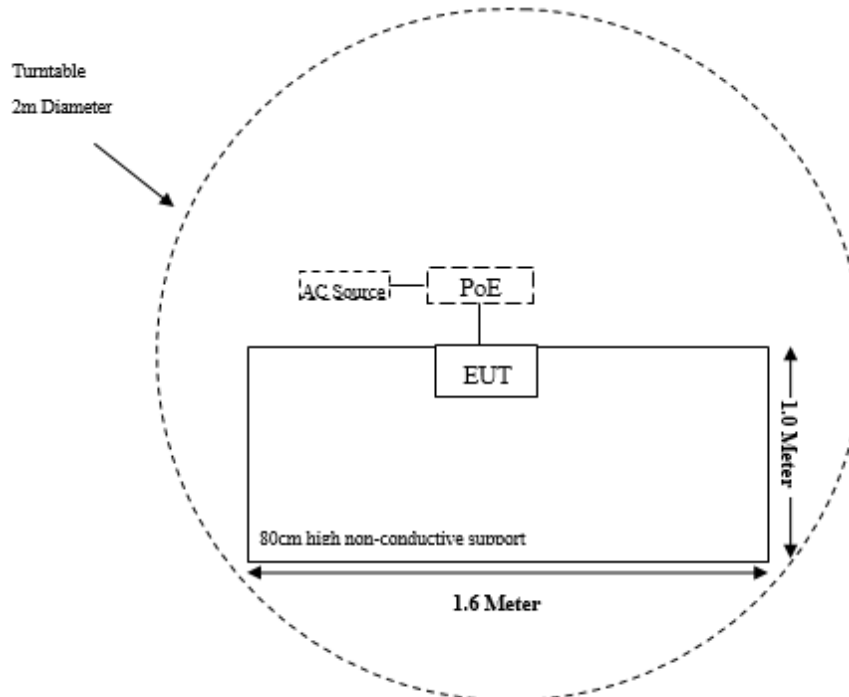
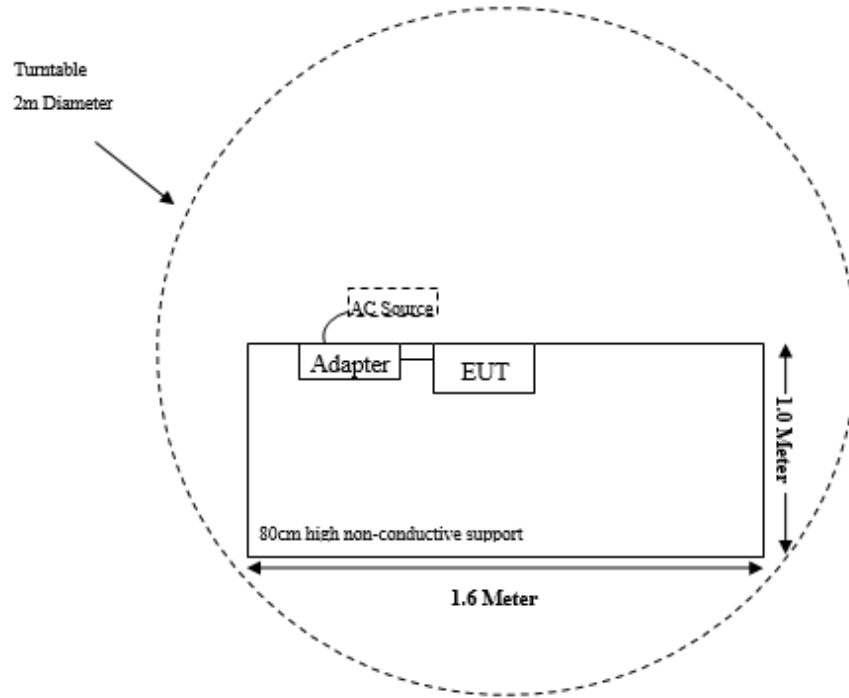
### Block Diagram of Test Setup

Conducted Emission:

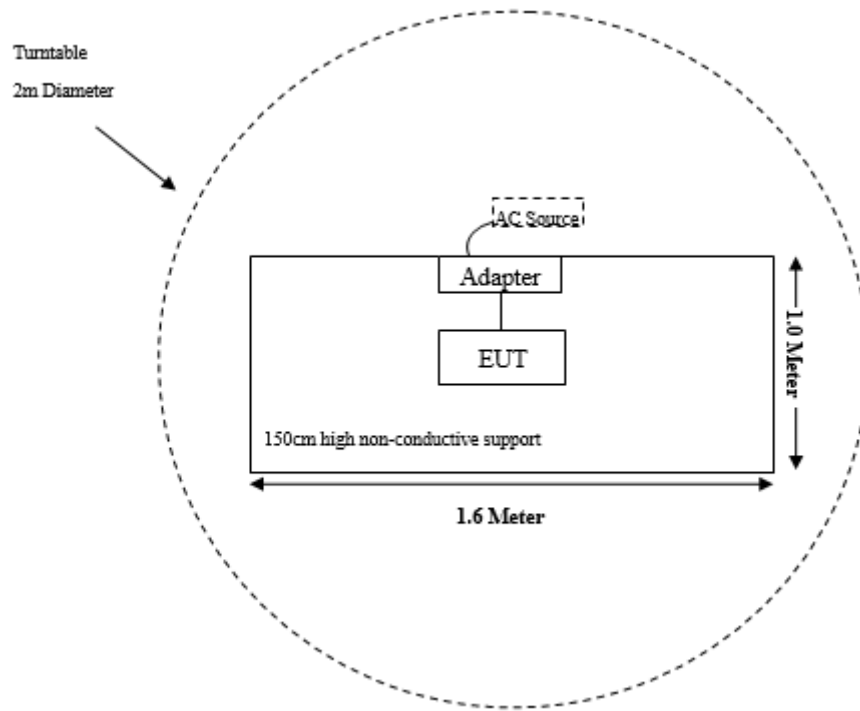


Radiated Emission:

Below 1GHz



Above 1GHz



**SUMMARY OF TEST RESULTS**

| <b>FCC Rules</b>                | <b>Description of Test</b>               | <b>Result</b> |
|---------------------------------|------------------------------------------|---------------|
| §15.203                         | Antenna Requirement                      | Compliance    |
| §15.207 (a)                     | AC Line Conducted Emissions              | Compliance    |
| §15.205, §15.209,<br>§15.247(d) | Spurious Emissions                       | Compliance    |
| §15.247 (a)(2)                  | 6 dB Emission Bandwidth                  | Compliance    |
| §15.247(b)(3)                   | Maximum Conducted Output Power           | Compliance    |
| §15.247(d)                      | 100 kHz Bandwidth of Frequency Band Edge | Compliance    |
| §15.247(e)                      | Power Spectral Density                   | Compliance    |

## TEST EQUIPMENT LIST

| Test Equipment                        | Manufacturer    | Model          | Serial Number | Calibration Date | Calibration Due Date |
|---------------------------------------|-----------------|----------------|---------------|------------------|----------------------|
| <b>Conducted Emissions</b>            |                 |                |               |                  |                      |
| EMI Test Receiver                     | Rohde & Schwarz | ESR            | 103105        | 2024/03/29       | 2025/03/28           |
| LISN                                  | Rohde & Schwarz | ENV216         | 100129        | 2024/03/29       | 2025/03/28           |
| Pulse Limiter                         | Rohde & Schwarz | ESH3-Z2        | 0357.8810.54  | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | XH400T-N-4M    | CC001         | 2024/03/29       | 2025/03/28           |
| Test Software                         | Audix           | E3             | 18621a        | N/A              | N/A                  |
| <b>Radiated Emissions Below 1GHz</b>  |                 |                |               |                  |                      |
| EMI Test Receiver                     | Rohde & Schwarz | ESR            | 103103        | 2024/03/29       | 2025/03/28           |
| Loop Antenna                          | Rohde & Schwarz | HFH2-Z2        | 830749/001    | 2023/07/27       | 2026/07/26           |
| Antenna                               | Sunol Sciences  | JB6            | A122022-5     | 2023/07/27       | 2026/07/26           |
| Amplifier                             | Sonoma          | 310B           | 120903        | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | XH400T-N-4M    | CC002         | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | XH460B-N-2M    | CC006         | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | XH460B-N-12M   | CC007         | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | HFH2-CC        | 335.3609      | 2024/03/29       | 2025/03/28           |
| Test Software                         | Audix           | E3             | 18621a        | N/A              | N/A                  |
| <b>Radiated Emissions Above 1 GHz</b> |                 |                |               |                  |                      |
| Spectrum Analyzer                     | Rohde & Schwarz | FSV40-N        | 102051        | 2024/03/29       | 2025/03/28           |
| Filter Switch Unit                    | Decentest       | DT7220FSU      | DS79904       | 2024/02/23       | 2025/02/22           |
| Multiplex Switch Test Control Set     | Decentest       | DT7220SCU      | DS79901       | 2024/02/23       | 2025/02/22           |
| Double Ridge Guide Horn Antenna       | A.H.Systems     | SAS-571        | 1980          | 2023/07/28       | 2026/07/27           |
| Preamplifier                          | A.H.Systems     | PAM-0118P      | 489           | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | XH800A-N-6M    | CC003         | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | XH800A-N-1M    | CC005         | 2024/03/29       | 2025/03/28           |
| Horn Antenna                          | EMCO            | 3116           | 9407-2232     | 2023/07/31       | 2026/07/30           |
| Preamplifier                          | A.H.Systems     | PAM-1840       | 200           | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | XH360A-2.92-3M | CC008         | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | XINHANGWEIBO    | XH360A-2.92-1M | CC009         | 2024/03/29       | 2025/03/28           |
| Test Software                         | Audix           | E3             | 18621a        | N/A              | N/A                  |
| <b>RF Conducted Test</b>              |                 |                |               |                  |                      |
| EMI Test Receiver                     | Rohde & Schwarz | ESR            | 103103        | 2024/03/29       | 2025/03/28           |
| Spectrum Analyzer                     | Rohde & Schwarz | FSU            | 100405        | 2024/03/29       | 2025/03/28           |
| Spectrum Analyzer                     | Rohde & Schwarz | FSV40-N        | 102051        | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                         | N/A             | N/A            | N/A           | Each time        | N/A                  |
| Power Sensor                          | HP              | 8481A          | PS20240325    | 2024/03/29       | 2025/03/28           |

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

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## **FCC §15.203 - ANTENNA REQUIREMENT**

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### **Applicable Standard**

According to § 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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **Antenna Connector Construction**

The EUT has one PCB antenna arrangement for WIFI, which was permanently attached and the antenna gain is 0.07 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

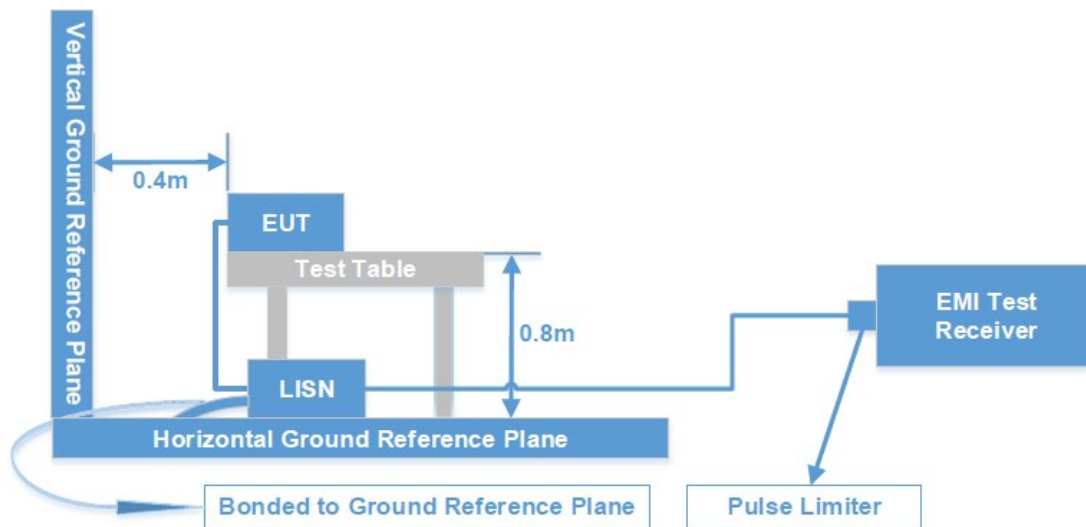
### **Result: Compliance**

## FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

### Applicable Standard

FCC§15.207

### EUT Setup



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

The spacing between the peripherals was 10 cm.

### EMI Test Receiver Setup

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

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

| Frequency Range  | RBW   | VBW    | Detector |
|------------------|-------|--------|----------|
| 150 kHz – 30 MHz | 9 kHz | 30 kHz | QP/AV    |

### Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

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

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

## Level & Margin Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\text{Factor (dB)} = \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)}$$

$$\text{Level (dB}\mu\text{V)} = \text{Reading (dB}\mu\text{V)} + \text{Factor (dB)}$$

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

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V)} - \text{Level (dB}\mu\text{V)}$$

## Test Data

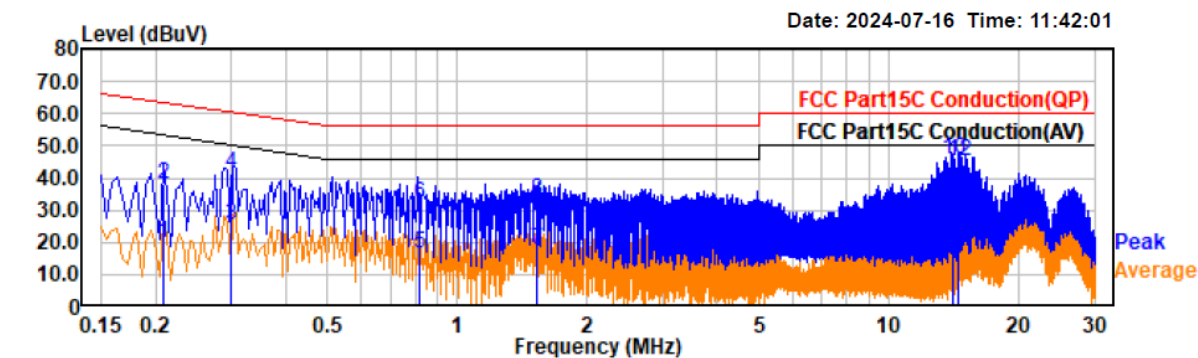
|                           |                       |
|---------------------------|-----------------------|
| <b>Temperature:</b>       | 24.8°C~25.8°C         |
| <b>Relative Humidity:</b> | 57 %~59 %             |
| <b>ATM Pressure:</b>      | 100.1kPa~101kPa       |
| <b>Test Date:</b>         | 2024-07-16~2024-08-29 |
| <b>Test Engineer:</b>     | Ash Lin               |

EUT operation mode: Transmitting in Wifi 802.11b low channel (worst case)

For adapter power supply:

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2412  
EUT Model: VS125-P

Temp/Humi: 25.8°C/59%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz

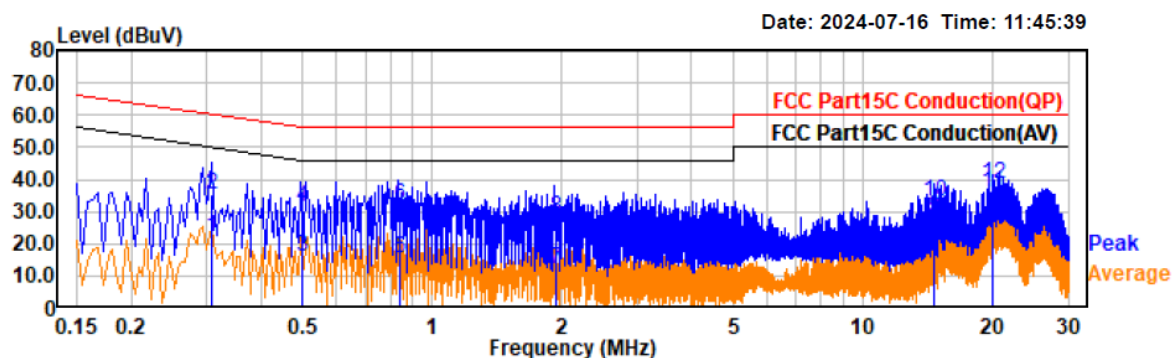


Trace: 1

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB | Result<br>dBuV | Limit<br>dBuV | Margin<br>dB | Phase | Remark  |
|-------------|-----------------|--------------|----------------|---------------|--------------|-------|---------|
| 0.21        | 0.23            | 19.52        | 19.75          | 53.24         | 33.49        | Line  | Average |
| 0.21        | 18.63           | 19.52        | 38.15          | 63.24         | 25.09        | Line  | QP      |
| 0.30        | 5.61            | 19.56        | 25.17          | 50.24         | 25.07        | Line  | Average |
| 0.30        | 21.58           | 19.56        | 41.14          | 60.24         | 19.10        | Line  | QP      |
| 0.81        | -3.19           | 19.61        | 16.42          | 46.00         | 29.58        | Line  | Average |
| 0.81        | 12.31           | 19.61        | 31.92          | 56.00         | 24.08        | Line  | QP      |
| 1.54        | -2.24           | 19.65        | 17.41          | 46.00         | 28.59        | Line  | Average |
| 1.54        | 13.59           | 19.65        | 33.24          | 56.00         | 22.76        | Line  | QP      |
| 14.08       | 13.09           | 19.97        | 33.06          | 50.00         | 16.94        | Line  | Average |
| 14.08       | 25.88           | 19.97        | 45.85          | 60.00         | 14.15        | Line  | QP      |
| 14.48       | 12.67           | 19.97        | 32.64          | 50.00         | 17.36        | Line  | Average |
| 14.48       | 25.16           | 19.97        | 45.13          | 60.00         | 14.87        | Line  | QP      |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2412  
EUT Model: VS125-P

Temp/Humi: 25.8°C/59%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



Trace: 1

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB | Result<br>dBuV | Limit<br>dBuV | Margin<br>dB | Phase   | Remark  |
|-------------|-----------------|--------------|----------------|---------------|--------------|---------|---------|
| 0.31        | 2.37            | 19.56        | 21.93          | 50.02         | 28.09        | Neutral | Average |
| 0.31        | 15.68           | 19.56        | 35.24          | 60.02         | 24.78        | Neutral | QP      |
| 0.50        | -3.42           | 19.63        | 16.21          | 46.00         | 29.79        | Neutral | Average |
| 0.50        | 11.62           | 19.63        | 31.25          | 56.00         | 24.75        | Neutral | QP      |
| 0.84        | -4.27           | 19.61        | 15.34          | 46.00         | 30.66        | Neutral | Average |
| 0.84        | 12.59           | 19.61        | 32.20          | 56.00         | 23.80        | Neutral | QP      |
| 1.94        | -7.57           | 19.69        | 12.12          | 46.00         | 33.88        | Neutral | Average |
| 1.94        | 8.39            | 19.69        | 28.08          | 56.00         | 27.92        | Neutral | QP      |
| 14.60       | 7.96            | 19.95        | 27.91          | 50.00         | 22.09        | Neutral | Average |
| 14.60       | 13.12           | 19.95        | 33.07          | 60.00         | 26.93        | Neutral | QP      |
| 20.00       | 15.98           | 19.87        | 35.85          | 50.00         | 14.15        | Neutral | Average |
| 20.00       | 18.92           | 19.87        | 38.79          | 60.00         | 21.21        | Neutral | QP      |

For PoE power supply:

Project No.: 2407T78483E-RF

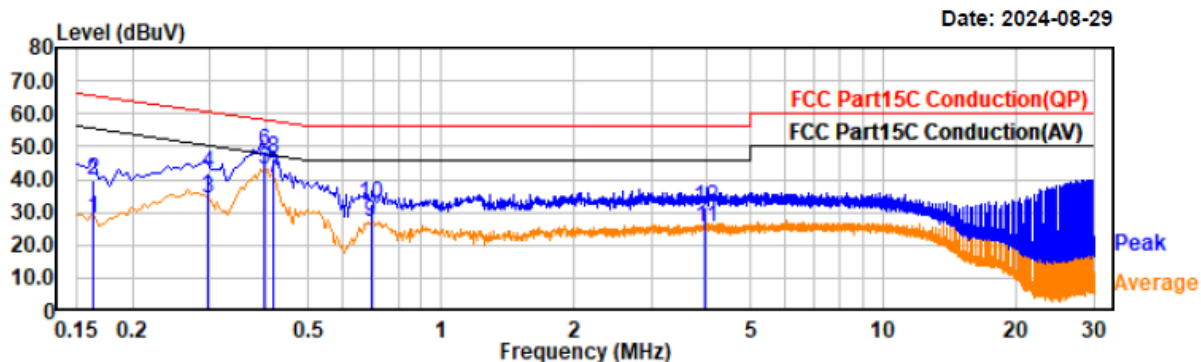
Test Mode: WiFi 11b 2412

EUT Model: VS125-P

Temp/Humi/ATM: 24.8°C/57%/100.1kPa

Tested by: Ash Lin

Power Source: DC 48V from PoE

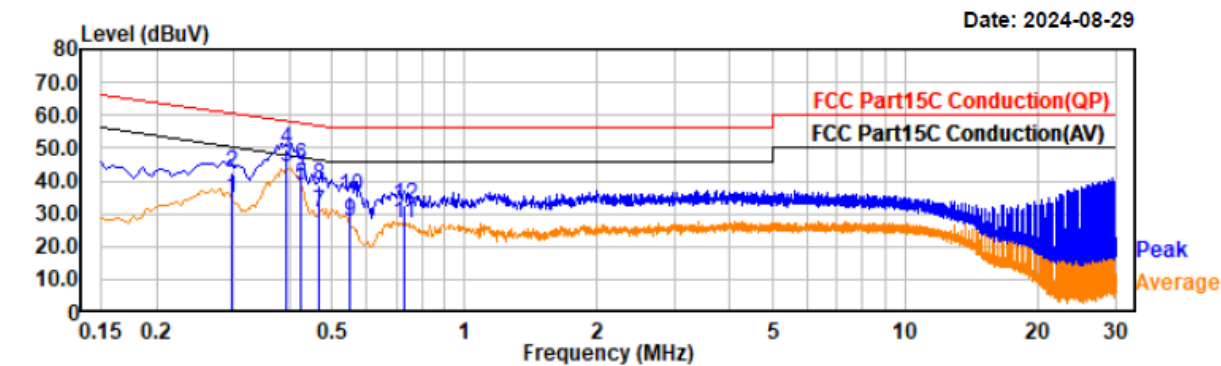


Trace: 1

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB | Result<br>dBuV | Limit<br>dBuV | Margin<br>dB | Phase | Remark  |
|-------------|-----------------|--------------|----------------|---------------|--------------|-------|---------|
| 0.16        | 6.91            | 21.11        | 28.02          | 55.33         | 27.31        | Line  | Average |
| 0.16        | 18.77           | 21.11        | 39.88          | 65.33         | 25.45        | Line  | QP      |
| 0.30        | 13.42           | 20.85        | 34.27          | 50.35         | 16.08        | Line  | Average |
| 0.30        | 21.03           | 20.85        | 41.88          | 60.35         | 18.47        | Line  | QP      |
| 0.40        | 22.53           | 20.54        | 43.07          | 47.93         | 4.86         | Line  | Average |
| 0.40        | 28.18           | 20.54        | 48.72          | 57.93         | 9.21         | Line  | QP      |
| 0.42        | 19.92           | 20.49        | 40.41          | 47.50         | 7.09         | Line  | Average |
| 0.42        | 25.70           | 20.49        | 46.19          | 57.50         | 11.31        | Line  | QP      |
| 0.69        | 6.20            | 20.60        | 26.80          | 46.00         | 19.20        | Line  | Average |
| 0.69        | 11.91           | 20.60        | 32.51          | 56.00         | 23.49        | Line  | QP      |
| 3.95        | 4.36            | 20.96        | 25.32          | 46.00         | 20.68        | Line  | Average |
| 3.95        | 10.40           | 20.96        | 31.36          | 56.00         | 24.64        | Line  | QP      |

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11b 2412  
 EUT Model: VS125-P

Temp/Humi/ATM: 24.8°C/57%/100.1kPa  
 Tested by: Ash Lin  
 Power Source: DC 48V from PoE

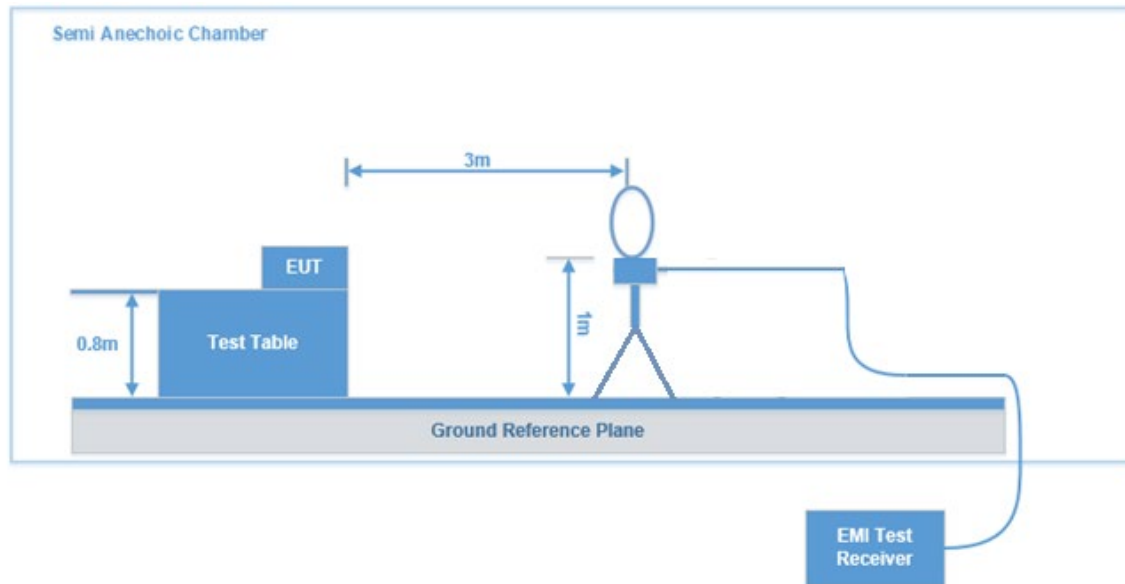
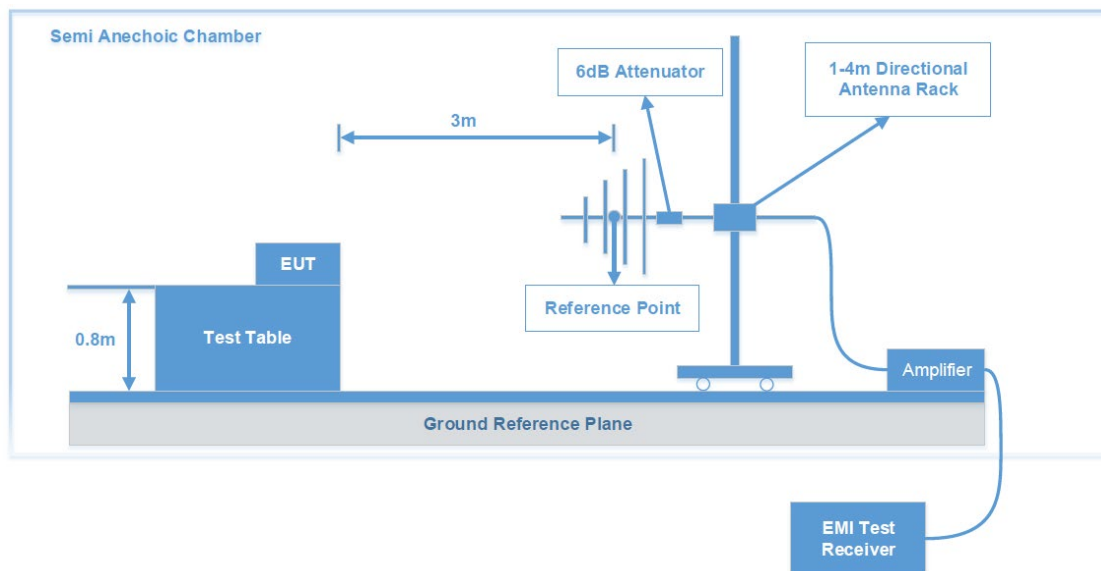


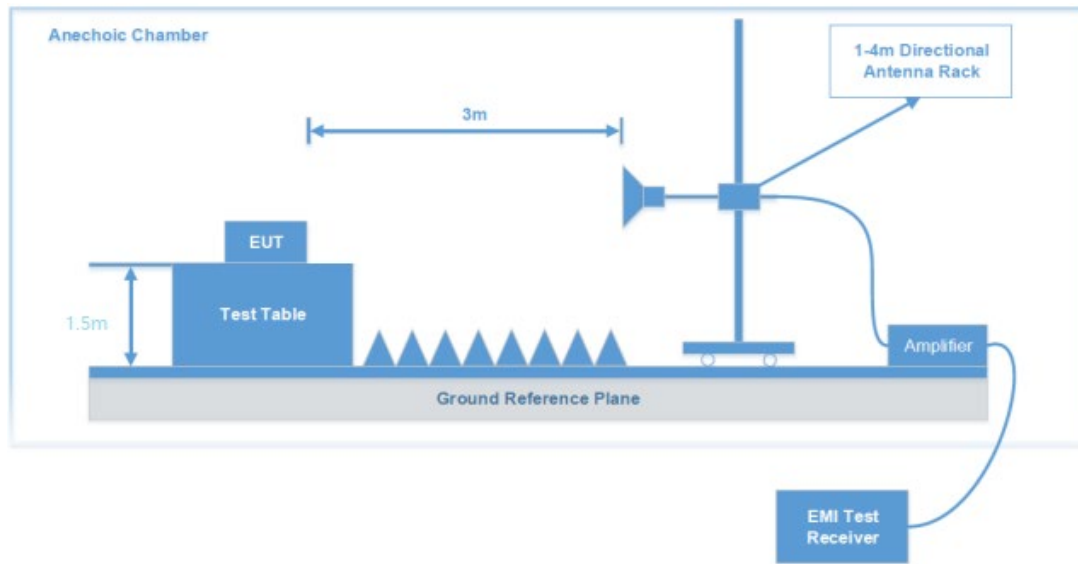
Trace: 1

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB | Result<br>dBuV | Limit<br>dBuV | Margin<br>dB | Phase   | Remark  |
|-------------|-----------------|--------------|----------------|---------------|--------------|---------|---------|
| 0.30        | 14.14           | 20.74        | 34.88          | 50.33         | 15.45        | Neutral | Average |
| 0.30        | 21.96           | 20.74        | 42.70          | 60.33         | 17.63        | Neutral | QP      |
| 0.40        | 23.45           | 20.50        | 43.95          | 47.96         | 4.01         | Neutral | Average |
| 0.40        | 29.27           | 20.50        | 49.77          | 57.96         | 8.19         | Neutral | QP      |
| 0.43        | 18.08           | 20.43        | 38.51          | 47.34         | 8.83         | Neutral | Average |
| 0.43        | 24.13           | 20.43        | 44.56          | 57.34         | 12.78        | Neutral | QP      |
| 0.47        | 9.86            | 20.34        | 30.20          | 46.52         | 16.32        | Neutral | Average |
| 0.47        | 18.08           | 20.34        | 38.42          | 56.52         | 18.10        | Neutral | QP      |
| 0.55        | 7.28            | 20.32        | 27.60          | 46.00         | 18.40        | Neutral | Average |
| 0.55        | 15.26           | 20.32        | 35.58          | 56.00         | 20.42        | Neutral | QP      |
| 0.73        | 6.54            | 20.44        | 26.98          | 46.00         | 19.02        | Neutral | Average |
| 0.73        | 12.27           | 20.44        | 32.71          | 56.00         | 23.29        | Neutral | QP      |

**FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS****Applicable Standard**

FCC §15.247 (d); §15.209; §15.205;

**EUT Setup****9 kHz-30MHz:****30MHz -1 GHz:**

**Above 1GHz:**

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

**EMI Test Receiver & Spectrum Analyzer Setup**

The system was investigated from 9 kHz to 25 GHz.

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

**Below 1GHz:**

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

**Above 1GHz:**

| Duty Cycle | RBW  | VBW        | Measurement |
|------------|------|------------|-------------|
| Any        | 1MHz | 3MHz       | PK          |
| >98%       | 1MHz | 10Hz       | AV          |
| <98%       | 1MHz | $\geq 1/T$ | AV          |

## Test Procedure

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

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable. The report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground parallel) unless the margin is greater than 20 dB, then the following statement shall be made: “all emissions were greater than 20 dB below the limit.”

## Level & Margin Calculation

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

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

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

Margin (dB) = Limit (dBμV/m) – Level (dBμV/m)

## Test Data

Please refer to the below table and plots.

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

|                           |             |                       |
|---------------------------|-------------|-----------------------|
| <b>Frequency Range:</b>   | Below 1 GHz | Above 1 GHz           |
| <b>Temperature:</b>       | 23.1°C      | 23.1°C                |
| <b>Relative Humidity:</b> | 55 %        | 55%                   |
| <b>ATM Pressure:</b>      | 101kPa      | 101kPa                |
| <b>Test Date:</b>         | 2024-07-16  | 2024-07-13~2024-07-19 |
| <b>Test Engineer:</b>     | Ash Lin     | Ash Lin               |

### 1) 9 kHz~30MHz

*EUT operation mode: Transmitting in Wifi 802.11b low channel (worst case)*

Pre-scan in parallel, ground-parallel and perpendicular of orientation of loop antenna, the amplitude of spurious emissions attenuated is more than 20 dB below the permissible value, which is not required to be report.

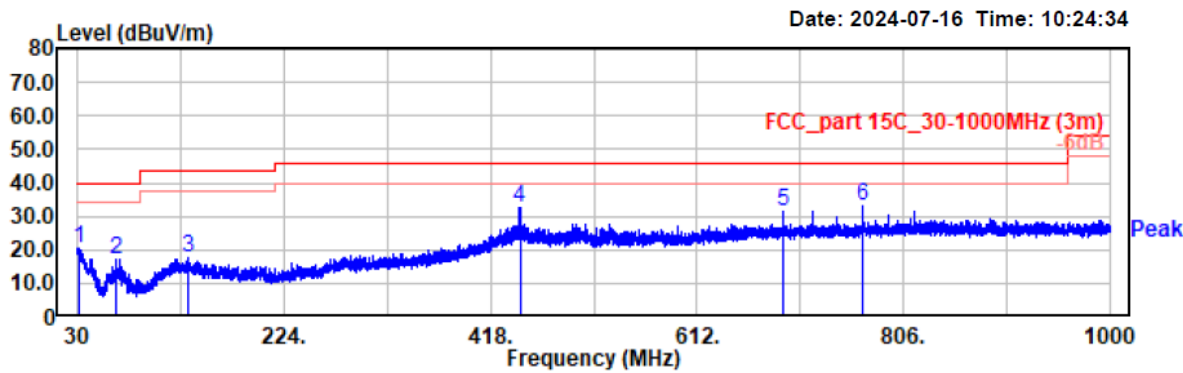
## 2) 30 MHz-1GHz

EUT operation mode: Transmitting in Wifi 802.11b low channel Z-axis of orientation (worst case)

For adapter power supply:

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11b 2412  
 EUT Model: VS125-P  
 Test distance: 3m

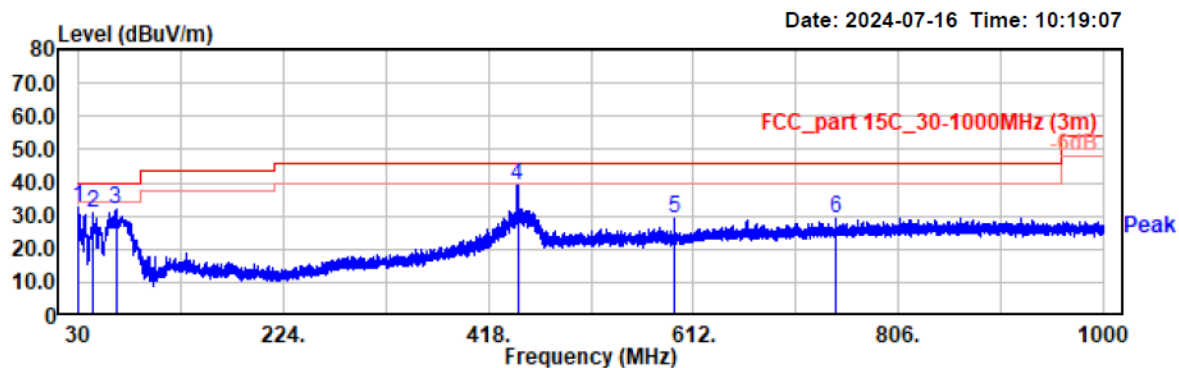
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 30.87       | 26.22           | -5.82          | 20.40            | 40.00           | 19.60        | Horizontal | Peak   |
| 66.38       | 34.40           | -17.25         | 17.15            | 40.00           | 22.85        | Horizontal | Peak   |
| 133.98      | 28.03           | -10.25         | 17.78            | 43.50           | 25.72        | Horizontal | Peak   |
| 445.55      | 37.47           | -4.94          | 32.53            | 46.00           | 13.47        | Horizontal | Peak   |
| 693.09      | 32.03           | -0.44          | 31.59            | 46.00           | 14.41        | Horizontal | Peak   |
| 768.07      | 32.50           | 0.78           | 33.28            | 46.00           | 12.72        | Horizontal | Peak   |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2412  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz

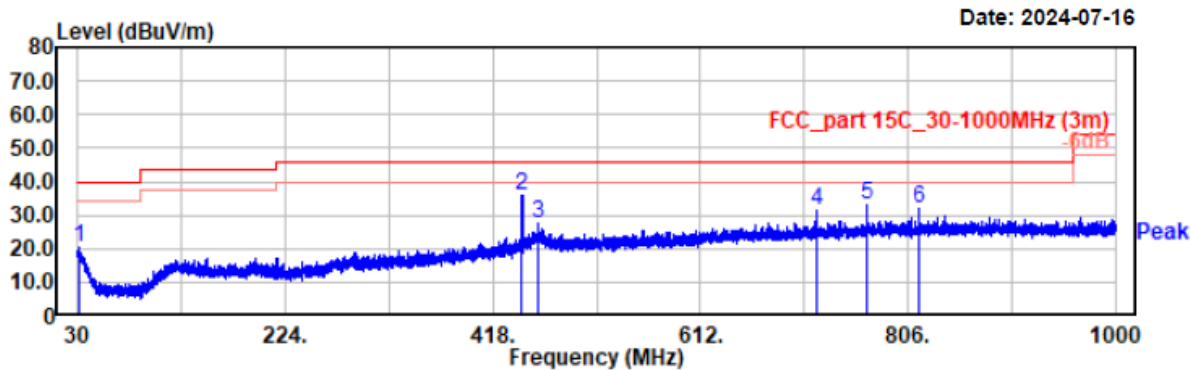


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 30.39       | 38.52           | -5.70          | 32.82            | 40.00           | 7.18         | Vertical | Peak   |
| 43.00       | 44.58           | -13.90         | 30.68            | 40.00           | 9.32         | Vertical | Peak   |
| 65.31       | 49.43           | -17.28         | 32.15            | 40.00           | 7.85         | Vertical | Peak   |
| 445.55      | 43.91           | -4.94          | 38.97            | 46.00           | 7.03         | Vertical | Peak   |
| 594.06      | 31.61           | -2.44          | 29.17            | 46.00           | 16.83        | Vertical | Peak   |
| 746.73      | 28.78           | 0.47           | 29.25            | 46.00           | 16.75        | Vertical | Peak   |

For PoE power supply:

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2412  
EUT Model: VS125-P  
Test distance: 3m

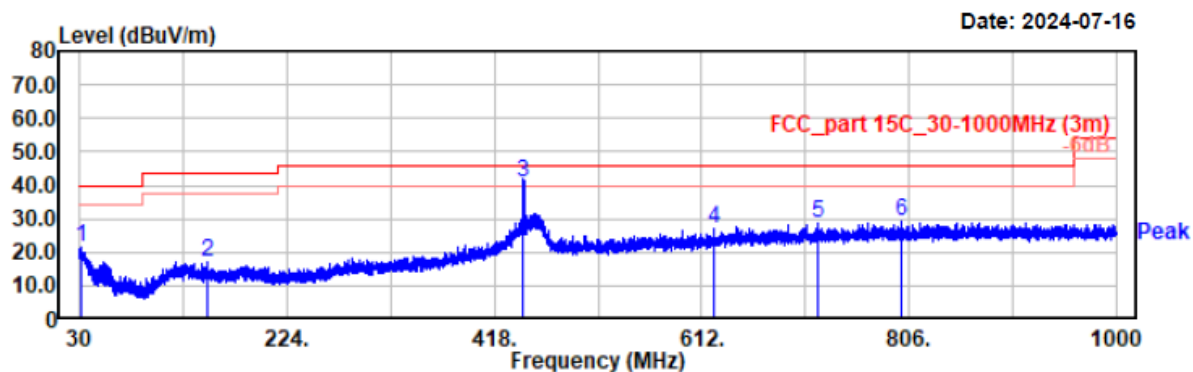
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: DC 48V from PoE



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 31.26       | 26.14           | -6.00          | 20.14            | 40.00           | 19.86        | Horizontal | Peak   |
| 445.45      | 40.80           | -4.94          | 35.86            | 46.00           | 10.14        | Horizontal | Peak   |
| 460.29      | 32.39           | -4.64          | 27.75            | 46.00           | 18.25        | Horizontal | Peak   |
| 720.06      | 31.46           | 0.05           | 31.51            | 46.00           | 14.49        | Horizontal | Peak   |
| 768.07      | 32.36           | 0.78           | 33.14            | 46.00           | 12.86        | Horizontal | Peak   |
| 816.09      | 30.52           | 1.45           | 31.97            | 46.00           | 14.03        | Horizontal | Peak   |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2412  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: DC 48V from PoE



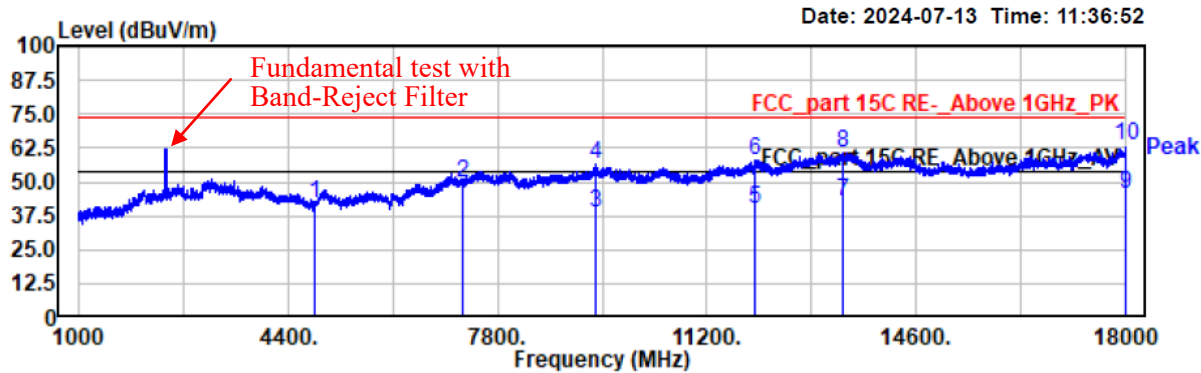
| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 31.36       | 27.60           | -6.04          | 21.56            | 40.00           | 18.44        | Vertical | Peak   |
| 149.12      | 28.32           | -11.24         | 17.08            | 43.50           | 26.42        | Vertical | Peak   |
| 445.50      | 45.94           | -4.94          | 41.00            | 46.00           | 5.00         | Vertical | QP     |
| 624.03      | 28.69           | -1.44          | 27.25            | 46.00           | 18.75        | Vertical | Peak   |
| 720.06      | 28.67           | 0.05           | 28.72            | 46.00           | 17.28        | Vertical | Peak   |
| 798.34      | 27.77           | 1.24           | 29.01            | 46.00           | 16.99        | Vertical | Peak   |

### 3) 1GHz~18GHz

EUT operation mode: Transmitting in Wifi 802.11b low channel

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11b 2412  
 EUT Model: VS125-P  
 Test distance: 3m

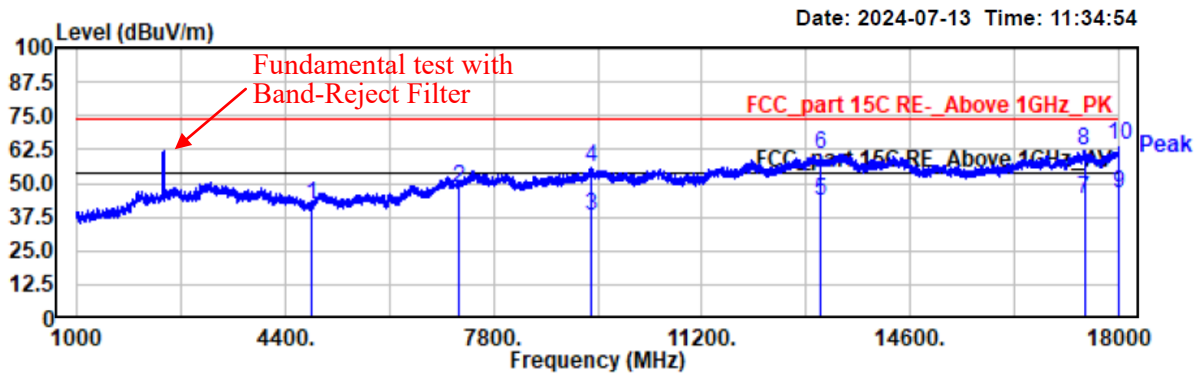
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4823.30     | 38.53           | 3.25           | 41.78            | 74.00           | 32.22        | horizontal | Peak    |
| 7236.00     | 38.12           | 11.70          | 49.82            | 74.00           | 24.18        | horizontal | Peak    |
| 9403.10     | 23.49           | 14.93          | 38.42            | 54.00           | 15.58        | horizontal | Average |
| 9403.10     | 41.54           | 14.93          | 56.47            | 74.00           | 17.53        | horizontal | Peak    |
| 11985.40    | 23.09           | 17.06          | 40.15            | 54.00           | 13.85        | horizontal | Average |
| 11985.40    | 41.01           | 17.06          | 58.07            | 74.00           | 15.93        | horizontal | Peak    |
| 13404.90    | 23.17           | 19.46          | 42.63            | 54.00           | 11.37        | horizontal | Average |
| 13404.90    | 41.23           | 19.46          | 60.69            | 74.00           | 13.31        | horizontal | Peak    |
| 17998.30    | 24.56           | 21.15          | 45.71            | 54.00           | 8.29         | horizontal | Average |
| 17998.30    | 42.26           | 21.15          | 63.41            | 74.00           | 10.59        | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2412  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz

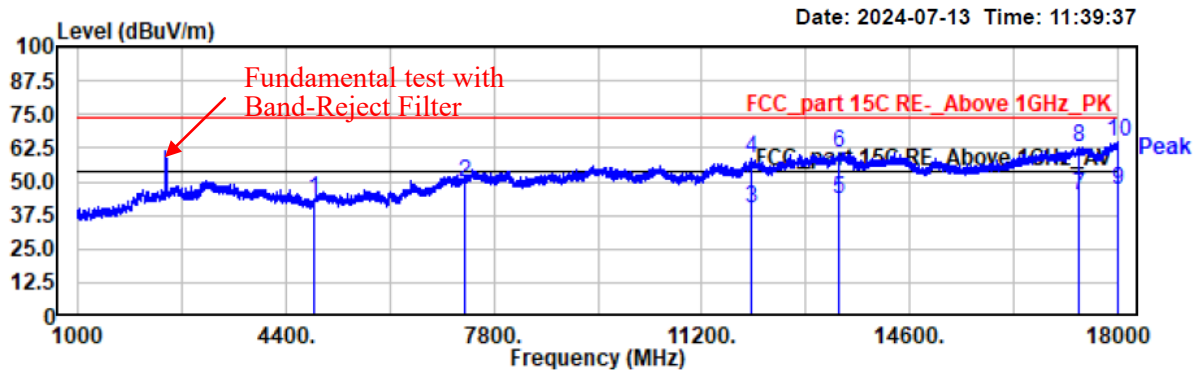


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4823.30     | 38.93           | 3.25           | 42.18            | 74.00           | 31.82        | vertical | Peak    |
| 7236.00     | 36.76           | 11.70          | 48.46            | 74.00           | 25.54        | vertical | Peak    |
| 9401.40     | 22.69           | 14.95          | 37.64            | 54.00           | 16.36        | vertical | Average |
| 9401.40     | 40.67           | 14.95          | 55.62            | 74.00           | 18.38        | vertical | Peak    |
| 13151.60    | 23.97           | 19.34          | 43.31            | 54.00           | 10.69        | vertical | Average |
| 13151.60    | 41.39           | 19.34          | 60.73            | 74.00           | 13.27        | vertical | Peak    |
| 17442.40    | 24.62           | 19.51          | 44.13            | 54.00           | 9.87         | vertical | Average |
| 17442.40    | 42.56           | 19.51          | 62.07            | 74.00           | 11.93        | vertical | Peak    |
| 18000.00    | 25.10           | 21.16          | 46.26            | 54.00           | 7.74         | vertical | Average |
| 18000.00    | 43.11           | 21.16          | 64.27            | 74.00           | 9.73         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11b middle channel

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11b 2437  
 EUT Model: VS125-P  
 Test distance: 3m

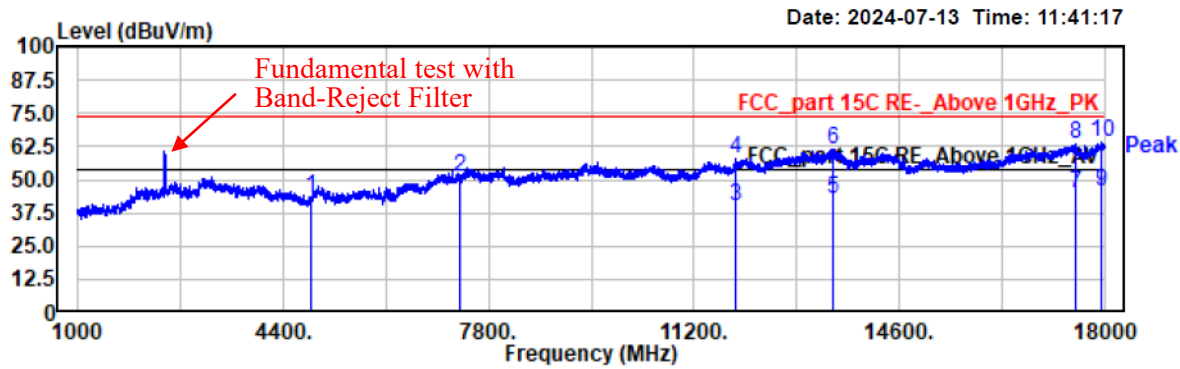
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4874.30     | 39.30           | 3.96           | 43.26            | 74.00           | 30.74        | horizontal | Peak    |
| 7311.00     | 37.57           | 12.30          | 49.87            | 74.00           | 24.13        | horizontal | Peak    |
| 12012.60    | 23.13           | 17.11          | 40.24            | 54.00           | 13.76        | horizontal | Average |
| 12012.60    | 41.82           | 17.11          | 58.93            | 74.00           | 15.07        | horizontal | Peak    |
| 13452.50    | 23.66           | 19.48          | 43.14            | 54.00           | 10.86        | horizontal | Average |
| 13452.50    | 41.46           | 19.48          | 60.94            | 74.00           | 13.06        | horizontal | Peak    |
| 17371.00    | 25.22           | 19.45          | 44.67            | 54.00           | 9.33         | horizontal | Average |
| 17371.00    | 43.55           | 19.45          | 63.00            | 74.00           | 11.00        | horizontal | Peak    |
| 17996.60    | 25.61           | 21.15          | 46.76            | 54.00           | 7.24         | horizontal | Average |
| 17996.60    | 43.46           | 21.15          | 64.61            | 74.00           | 9.39         | horizontal | Peak    |

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11b 2437  
 EUT Model: VS125-P  
 Test distance: 3m

Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz

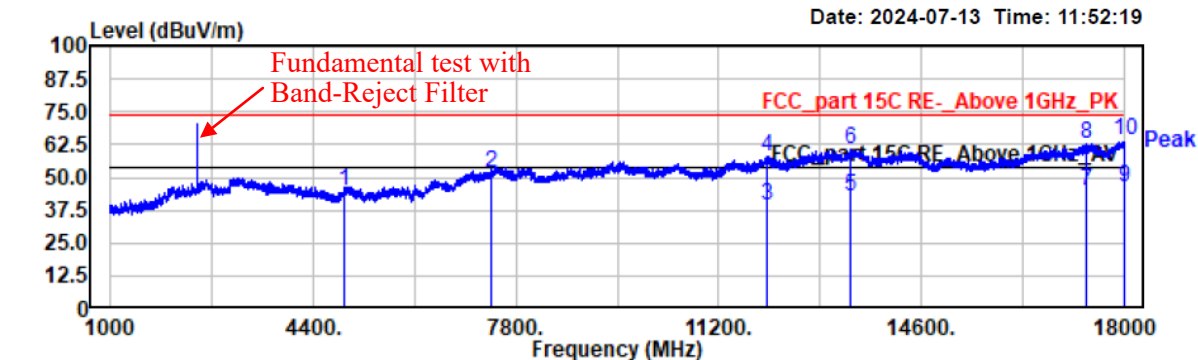


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4874.30     | 39.69           | 3.96           | 43.65            | 74.00           | 30.35        | vertical | Peak    |
| 7311.00     | 38.87           | 12.30          | 51.17            | 74.00           | 22.83        | vertical | Peak    |
| 11885.10    | 23.56           | 16.64          | 40.20            | 54.00           | 13.80        | vertical | Average |
| 11885.10    | 41.16           | 16.64          | 57.80            | 74.00           | 16.20        | vertical | Peak    |
| 13500.10    | 23.02           | 19.48          | 42.50            | 54.00           | 11.50        | vertical | Average |
| 13500.10    | 41.91           | 19.48          | 61.39            | 74.00           | 12.61        | vertical | Peak    |
| 17520.60    | 25.59           | 19.32          | 44.91            | 54.00           | 9.09         | vertical | Average |
| 17520.60    | 43.95           | 19.32          | 63.27            | 74.00           | 10.73        | vertical | Peak    |
| 17935.40    | 24.62           | 21.04          | 45.66            | 54.00           | 8.34         | vertical | Average |
| 17935.40    | 42.96           | 21.04          | 64.00            | 74.00           | 10.00        | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11b high channel

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2462  
EUT Model: VS125-P  
Test distance: 3m

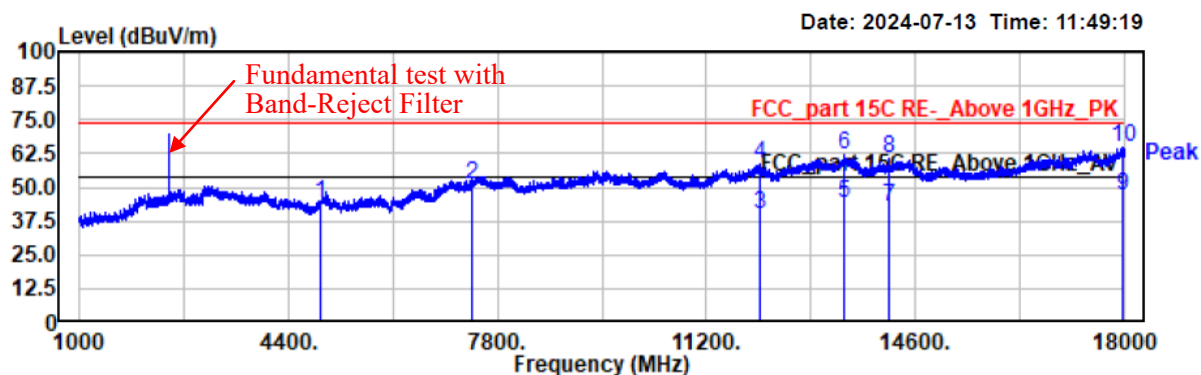
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4923.60     | 40.23           | 4.77           | 45.00            | 74.00           | 29.00        | horizontal | Peak    |
| 7386.00     | 39.10           | 12.51          | 51.61            | 74.00           | 22.39        | horizontal | Peak    |
| 12022.80    | 22.18           | 17.11          | 39.29            | 54.00           | 14.71        | horizontal | Average |
| 12022.80    | 40.81           | 17.11          | 57.92            | 74.00           | 16.08        | horizontal | Peak    |
| 13413.40    | 23.33           | 19.47          | 42.80            | 54.00           | 11.20        | horizontal | Average |
| 13413.40    | 41.03           | 19.47          | 60.50            | 74.00           | 13.50        | horizontal | Peak    |
| 17357.40    | 25.22           | 19.43          | 44.65            | 54.00           | 9.35         | horizontal | Average |
| 17357.40    | 43.40           | 19.43          | 62.83            | 74.00           | 11.17        | horizontal | Peak    |
| 18000.00    | 25.24           | 21.16          | 46.40            | 54.00           | 7.60         | horizontal | Average |
| 18000.00    | 43.12           | 21.16          | 64.28            | 74.00           | 9.72         | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2462  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz

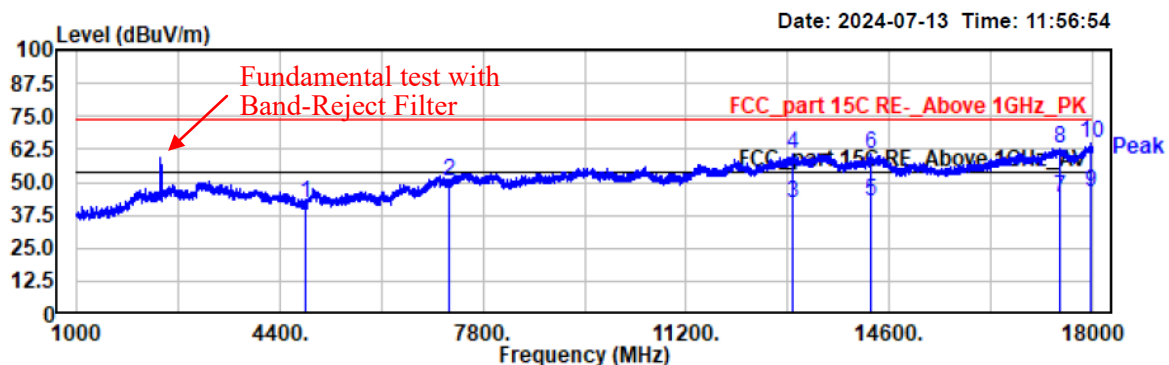


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4923.60     | 39.17           | 4.77           | 43.94            | 74.00           | 30.06        | vertical | Peak    |
| 7386.00     | 38.83           | 12.51          | 51.34            | 74.00           | 22.66        | vertical | Peak    |
| 12067.00    | 23.12           | 17.04          | 40.16            | 54.00           | 13.84        | vertical | Average |
| 12067.00    | 41.52           | 17.04          | 58.56            | 74.00           | 15.44        | vertical | Peak    |
| 13450.80    | 24.62           | 19.48          | 44.10            | 54.00           | 9.90         | vertical | Average |
| 13450.80    | 42.26           | 19.48          | 61.74            | 74.00           | 12.26        | vertical | Peak    |
| 14164.80    | 24.72           | 17.78          | 42.50            | 54.00           | 11.50        | vertical | Average |
| 14164.80    | 42.98           | 17.78          | 60.76            | 74.00           | 13.24        | vertical | Peak    |
| 17986.40    | 25.63           | 21.12          | 46.75            | 54.00           | 7.25         | vertical | Average |
| 17986.40    | 43.67           | 21.12          | 64.79            | 74.00           | 9.21         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11g low channel

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11g 2412  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4823.30     | 38.80           | 3.25           | 42.05            | 74.00           | 31.95        | horizontal | Peak    |
| 7236.00     | 38.42           | 11.70          | 50.12            | 74.00           | 23.88        | horizontal | Peak    |
| 12996.90    | 22.54           | 19.69          | 42.23            | 54.00           | 11.77        | horizontal | Average |
| 12996.90    | 40.90           | 19.69          | 60.59            | 74.00           | 13.41        | horizontal | Peak    |
| 14294.00    | 24.01           | 18.60          | 42.61            | 54.00           | 11.39        | horizontal | Average |
| 14294.00    | 42.31           | 18.60          | 60.91            | 74.00           | 13.09        | horizontal | Peak    |
| 17450.90    | 24.93           | 19.51          | 44.44            | 54.00           | 9.56         | horizontal | Average |
| 17450.90    | 43.49           | 19.51          | 63.00            | 74.00           | 11.00        | horizontal | Peak    |
| 17977.90    | 24.93           | 21.12          | 46.05            | 54.00           | 7.95         | horizontal | Average |
| 17977.90    | 43.60           | 21.12          | 64.72            | 74.00           | 9.28         | horizontal | Peak    |

Project No.: 2407T78483E-RF

Test Mode: WiFi 11g 2412

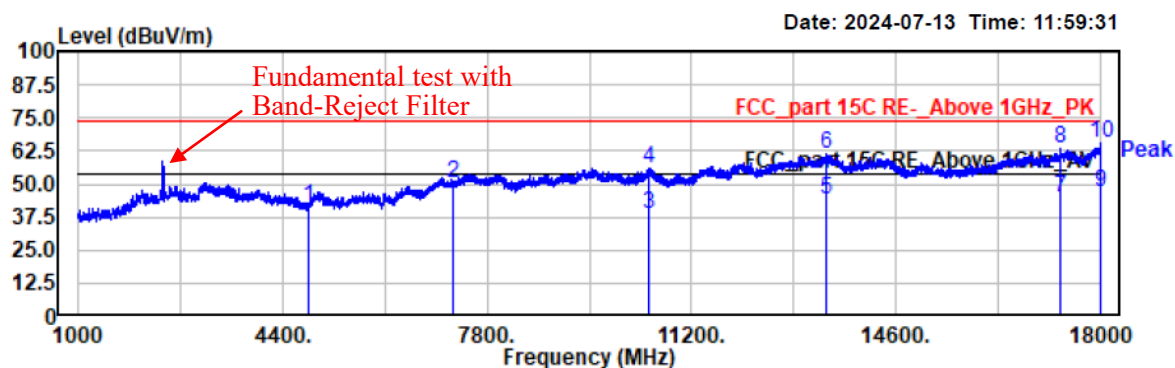
EUT Model: VS125-P

Test distance: 3m

Temp/Humi: 23.1°C/55%

Tested by: Ash Lin

Power Source: AC120V/60Hz

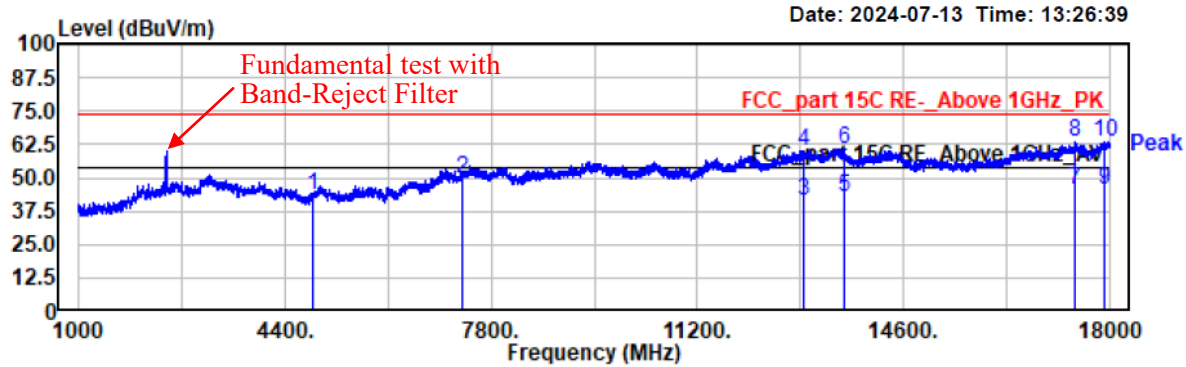


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4823.30     | 38.40           | 3.25           | 41.65            | 74.00           | 32.35        | vertical | Peak    |
| 7236.00     | 38.52           | 11.70          | 50.22            | 74.00           | 23.78        | vertical | Peak    |
| 10482.60    | 23.86           | 14.69          | 38.55            | 54.00           | 15.45        | vertical | Average |
| 10482.60    | 41.38           | 14.69          | 56.07            | 74.00           | 17.93        | vertical | Peak    |
| 13427.00    | 24.37           | 19.48          | 43.85            | 54.00           | 10.15        | vertical | Average |
| 13427.00    | 42.23           | 19.48          | 61.71            | 74.00           | 12.29        | vertical | Peak    |
| 17338.70    | 25.23           | 19.41          | 44.64            | 54.00           | 9.36         | vertical | Average |
| 17338.70    | 43.82           | 19.41          | 63.23            | 74.00           | 10.77        | vertical | Peak    |
| 17996.60    | 25.73           | 21.15          | 46.88            | 54.00           | 7.12         | vertical | Average |
| 17996.60    | 44.03           | 21.15          | 65.18            | 74.00           | 8.82         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11g middle channel

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11g 2437  
 EUT Model: VS125-P  
 Test distance: 3m

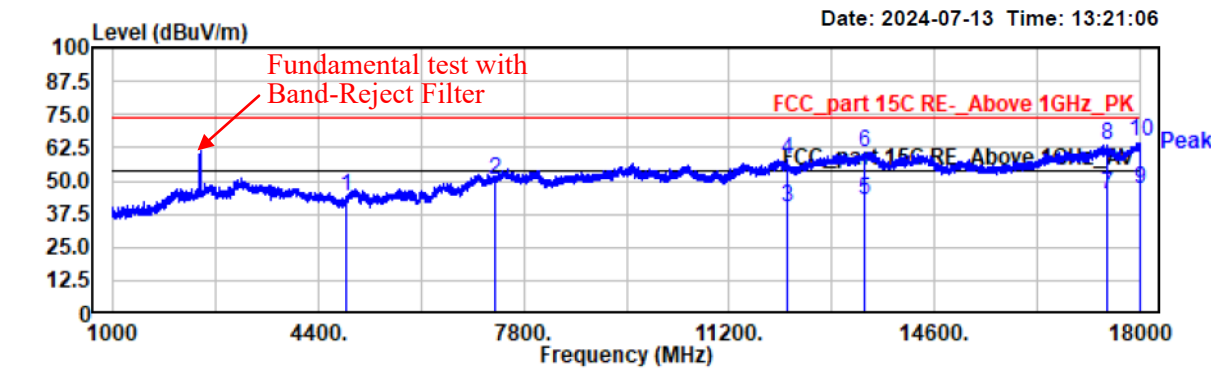
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4874.30     | 39.51           | 3.96           | 43.47            | 74.00           | 30.53        | horizontal | Peak    |
| 7311.00     | 37.66           | 12.30          | 49.96            | 74.00           | 24.04        | horizontal | Peak    |
| 12947.60    | 22.29           | 19.35          | 41.64            | 54.00           | 12.36        | horizontal | Average |
| 12947.60    | 40.83           | 19.35          | 60.18            | 74.00           | 13.82        | horizontal | Peak    |
| 13617.40    | 24.03           | 18.81          | 42.84            | 54.00           | 11.16        | horizontal | Average |
| 13617.40    | 42.03           | 18.81          | 60.84            | 74.00           | 13.16        | horizontal | Peak    |
| 17418.60    | 25.69           | 19.49          | 45.18            | 54.00           | 8.82         | horizontal | Average |
| 17418.60    | 43.68           | 19.49          | 63.17            | 74.00           | 10.83        | horizontal | Peak    |
| 17918.40    | 24.43           | 21.01          | 45.44            | 54.00           | 8.56         | horizontal | Average |
| 17918.40    | 42.74           | 21.01          | 63.75            | 74.00           | 10.25        | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11g 2437  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4874.30     | 39.97           | 3.96           | 43.93            | 74.00           | 30.07        | vertical | Peak    |
| 7311.00     | 38.19           | 12.30          | 50.49            | 74.00           | 23.51        | vertical | Peak    |
| 12153.70    | 23.20           | 16.94          | 40.14            | 54.00           | 13.86        | vertical | Average |
| 12153.70    | 41.02           | 16.94          | 57.96            | 74.00           | 16.04        | vertical | Peak    |
| 13454.20    | 23.27           | 19.47          | 42.74            | 54.00           | 11.26        | vertical | Average |
| 13454.20    | 41.53           | 19.47          | 61.00            | 74.00           | 13.00        | vertical | Peak    |
| 17447.50    | 25.16           | 19.50          | 44.66            | 54.00           | 9.34         | vertical | Average |
| 17447.50    | 43.82           | 19.50          | 63.32            | 74.00           | 10.68        | vertical | Peak    |
| 18000.00    | 25.41           | 21.16          | 46.57            | 54.00           | 7.43         | vertical | Average |
| 18000.00    | 43.74           | 21.16          | 64.90            | 74.00           | 9.10         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11g high channel

Project No.: 2407T78483E-RF

Test Mode: WiFi 11g 2462

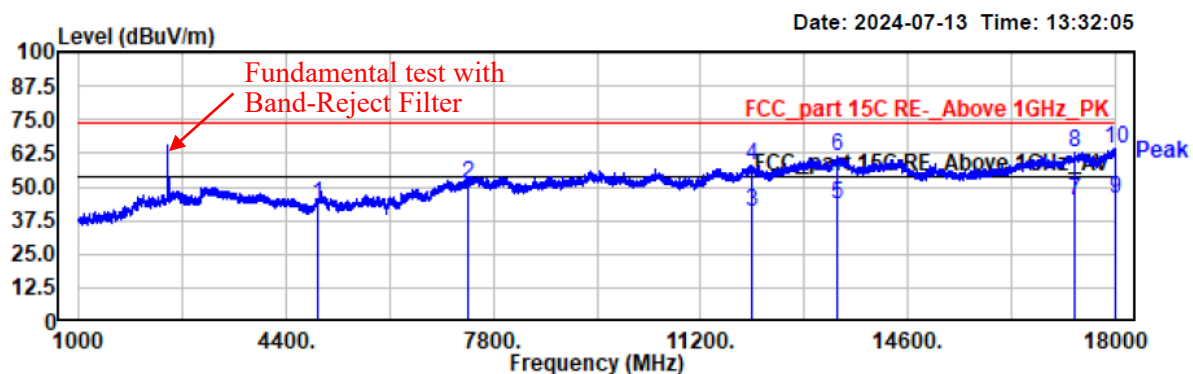
EUT Model: VS125-P

Test distance: 3m

Temp/Humi: 23.1°C/55%

Tested by: Ash Lin

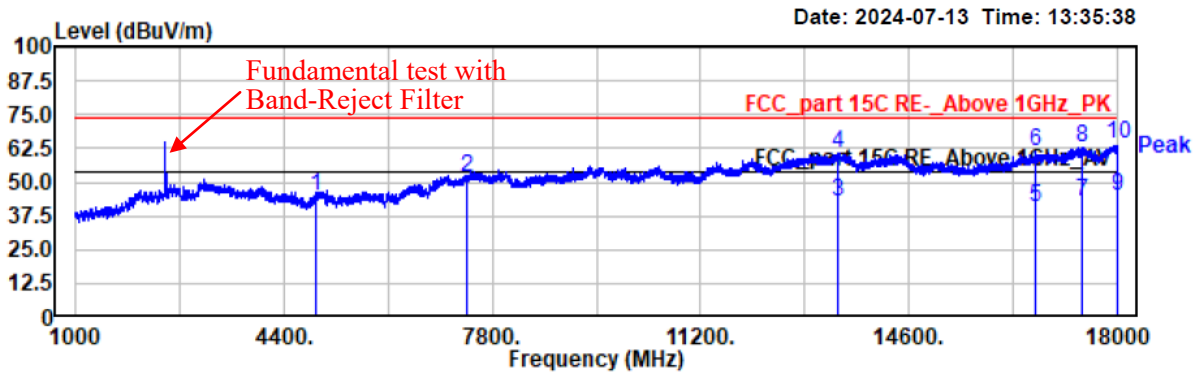
Power Source: AC120V/60Hz



| Freq MHz | Reading dBuV | Factor dB/m | Result dBuV/m | Limit dBuV/m | Margin dB | Polarity   | Remark  |
|----------|--------------|-------------|---------------|--------------|-----------|------------|---------|
| 4923.60  | 39.00        | 4.77        | 43.77         | 74.00        | 30.23     | horizontal | Peak    |
| 7386.00  | 38.83        | 12.51       | 51.34         | 74.00        | 22.66     | horizontal | Peak    |
| 12055.10 | 23.38        | 17.07       | 40.45         | 54.00        | 13.55     | horizontal | Average |
| 12055.10 | 41.03        | 17.07       | 58.10         | 74.00        | 15.90     | horizontal | Peak    |
| 13428.70 | 23.82        | 19.47       | 43.29         | 54.00        | 10.71     | horizontal | Average |
| 13428.70 | 41.89        | 19.47       | 61.36         | 74.00        | 12.64     | horizontal | Peak    |
| 17350.60 | 25.74        | 19.43       | 45.17         | 54.00        | 8.83      | horizontal | Average |
| 17350.60 | 43.67        | 19.43       | 63.10         | 74.00        | 10.90     | horizontal | Peak    |
| 17998.30 | 24.51        | 21.15       | 45.66         | 54.00        | 8.34      | horizontal | Average |
| 17998.30 | 42.95        | 21.15       | 64.10         | 74.00        | 9.90      | horizontal | Peak    |

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11g 2462  
 EUT Model: VS125-P  
 Test distance: 3m

Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4923.60     | 40.18           | 4.77           | 44.95            | 74.00           | 29.05        | vertical | Peak    |
| 7386.00     | 39.07           | 12.51          | 51.58            | 74.00           | 22.42        | vertical | Peak    |
| 13449.10    | 23.51           | 19.48          | 42.99            | 54.00           | 11.01        | vertical | Average |
| 13449.10    | 41.35           | 19.48          | 60.83            | 74.00           | 13.17        | vertical | Peak    |
| 16665.50    | 23.33           | 17.33          | 40.66            | 54.00           | 13.34        | vertical | Average |
| 16665.50    | 44.24           | 17.33          | 61.57            | 74.00           | 12.43        | vertical | Peak    |
| 17427.10    | 23.18           | 19.51          | 42.69            | 54.00           | 11.31        | vertical | Average |
| 17427.10    | 43.41           | 19.51          | 62.92            | 74.00           | 11.08        | vertical | Peak    |
| 18000.00    | 23.82           | 21.16          | 44.98            | 54.00           | 9.02         | vertical | Average |
| 18000.00    | 42.68           | 21.16          | 63.84            | 74.00           | 10.16        | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11n ht20 low channel

Project No.: 2407T78483E-RF

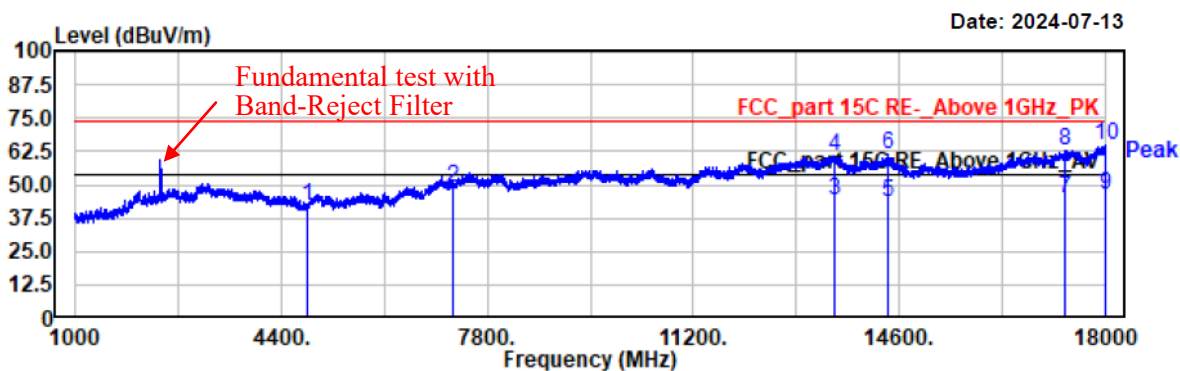
Test Mode: WiFi 11N20 2412

EUT Model: VS125-P

Temp/Humi: 23.1°C/55%

Tested by: Ash Lin

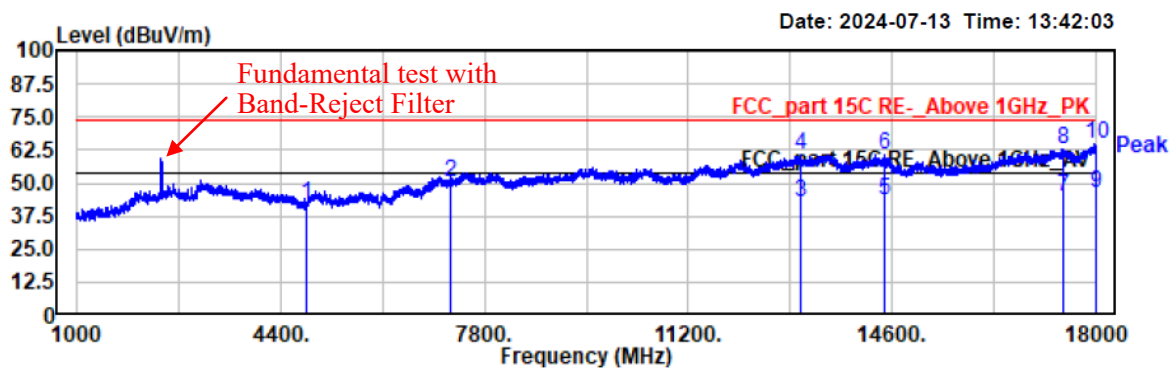
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB | Result<br>dBuV | Limit<br>dBuV | Margin<br>dB | Phase      | Remark  |
|-------------|-----------------|--------------|----------------|---------------|--------------|------------|---------|
| 4823.30     | 38.72           | 3.25         | 41.97          | 74.00         | 32.03        | horizontal | Peak    |
| 7236.00     | 37.45           | 11.70        | 49.15          | 74.00         | 24.85        | horizontal | Peak    |
| 13535.80    | 24.94           | 19.30        | 44.24          | 54.00         | 9.76         | horizontal | Average |
| 13535.80    | 41.49           | 19.30        | 60.79          | 74.00         | 13.21        | horizontal | Peak    |
| 14414.70    | 25.72           | 17.94        | 43.66          | 54.00         | 10.34        | horizontal | Average |
| 14414.70    | 43.17           | 17.94        | 61.11          | 74.00         | 12.89        | horizontal | Peak    |
| 17330.20    | 25.42           | 19.40        | 44.82          | 54.00         | 9.18         | horizontal | Average |
| 17330.20    | 43.34           | 19.40        | 62.74          | 74.00         | 11.26        | horizontal | Peak    |
| 17996.60    | 25.12           | 21.15        | 46.27          | 54.00         | 7.73         | horizontal | Average |
| 17996.60    | 43.82           | 21.15        | 64.97          | 74.00         | 9.03         | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N20 2412  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz

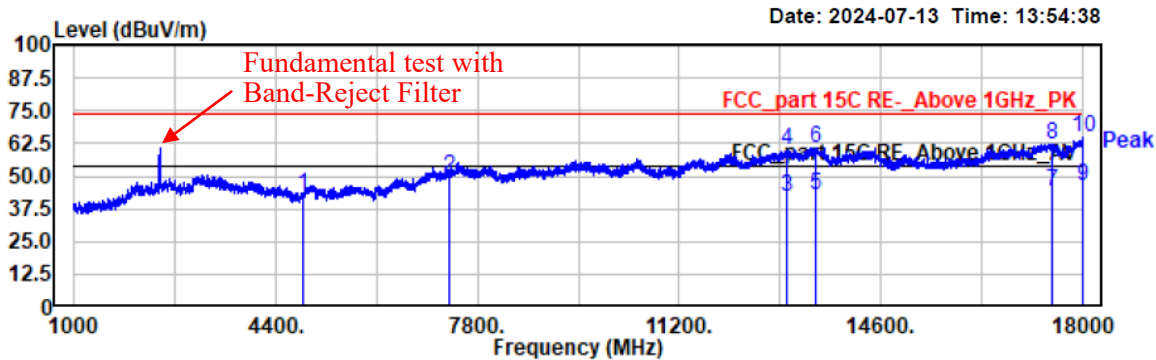


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4823.30     | 39.02           | 3.25           | 42.27            | 74.00           | 31.73        | vertical | Peak    |
| 7236.00     | 38.58           | 11.70          | 50.28            | 74.00           | 23.72        | vertical | Peak    |
| 13071.70    | 23.63           | 19.36          | 42.99            | 54.00           | 11.01        | vertical | Average |
| 13071.70    | 41.57           | 19.36          | 60.93            | 74.00           | 13.07        | vertical | Peak    |
| 14472.50    | 25.36           | 17.83          | 43.19            | 54.00           | 10.81        | vertical | Average |
| 14472.50    | 43.14           | 17.83          | 60.97            | 74.00           | 13.03        | vertical | Peak    |
| 17449.20    | 25.38           | 19.51          | 44.89            | 54.00           | 9.11         | vertical | Average |
| 17449.20    | 43.24           | 19.51          | 62.75            | 74.00           | 11.25        | vertical | Peak    |
| 18000.00    | 25.33           | 21.16          | 46.49            | 54.00           | 7.51         | vertical | Average |
| 18000.00    | 43.53           | 21.16          | 64.69            | 74.00           | 9.31         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11n ht20 middle channel

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11N20 2437  
 EUT Model: VS125-P  
 Test distance: 3m

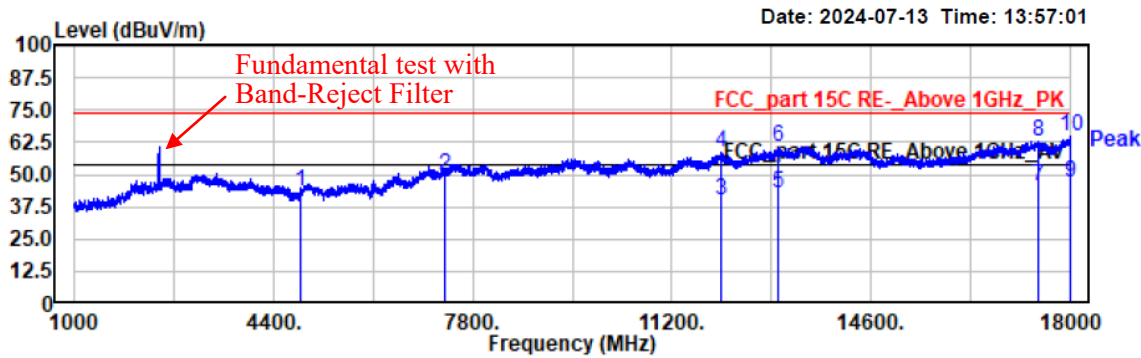
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4874.30     | 38.84           | 3.96           | 42.80            | 74.00           | 31.20        | horizontal | Peak    |
| 7311.00     | 37.44           | 12.30          | 49.74            | 74.00           | 24.26        | horizontal | Peak    |
| 13019.00    | 22.17           | 19.62          | 41.79            | 54.00           | 12.21        | horizontal | Average |
| 13019.00    | 40.22           | 19.62          | 59.84            | 74.00           | 14.16        | horizontal | Peak    |
| 13510.30    | 23.39           | 19.43          | 42.82            | 54.00           | 11.18        | horizontal | Average |
| 13510.30    | 41.54           | 19.43          | 60.97            | 74.00           | 13.03        | horizontal | Peak    |
| 17476.40    | 24.49           | 19.51          | 44.00            | 54.00           | 10.00        | horizontal | Average |
| 17476.40    | 42.75           | 19.51          | 62.26            | 74.00           | 11.74        | horizontal | Peak    |
| 17998.30    | 25.05           | 21.15          | 46.20            | 54.00           | 7.80         | horizontal | Average |
| 17998.30    | 43.91           | 21.15          | 65.06            | 74.00           | 8.94         | horizontal | Peak    |

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11N20 2437  
 EUT Model: VS125-P  
 Test distance: 3m

Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz

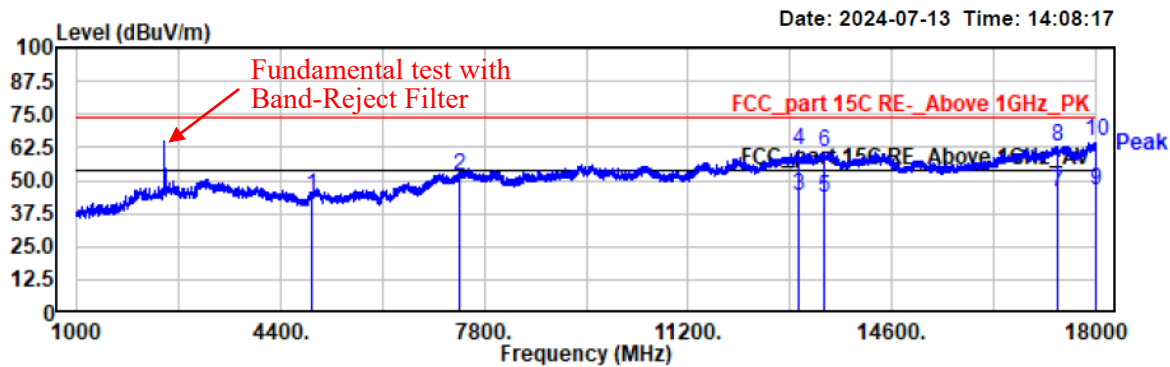


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4874.30     | 39.18           | 3.96           | 43.14            | 74.00           | 30.86        | vertical | Peak    |
| 7311.00     | 37.51           | 12.30          | 49.81            | 74.00           | 24.19        | vertical | Peak    |
| 12053.40    | 23.21           | 17.06          | 40.27            | 54.00           | 13.73        | vertical | Average |
| 12053.40    | 41.22           | 17.06          | 58.28            | 74.00           | 15.72        | vertical | Peak    |
| 13008.80    | 23.10           | 19.66          | 42.76            | 54.00           | 11.24        | vertical | Average |
| 13008.80    | 41.21           | 19.66          | 60.87            | 74.00           | 13.13        | vertical | Peak    |
| 17444.10    | 25.83           | 19.51          | 45.34            | 54.00           | 8.66         | vertical | Average |
| 17444.10    | 43.18           | 19.51          | 62.69            | 74.00           | 11.31        | vertical | Peak    |
| 17998.30    | 25.57           | 21.15          | 46.72            | 54.00           | 7.28         | vertical | Average |
| 17998.30    | 43.36           | 21.15          | 64.51            | 74.00           | 9.49         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11n ht20 high channel

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11N20 2462  
 EUT Model: VS125-P  
 Test distance: 3m

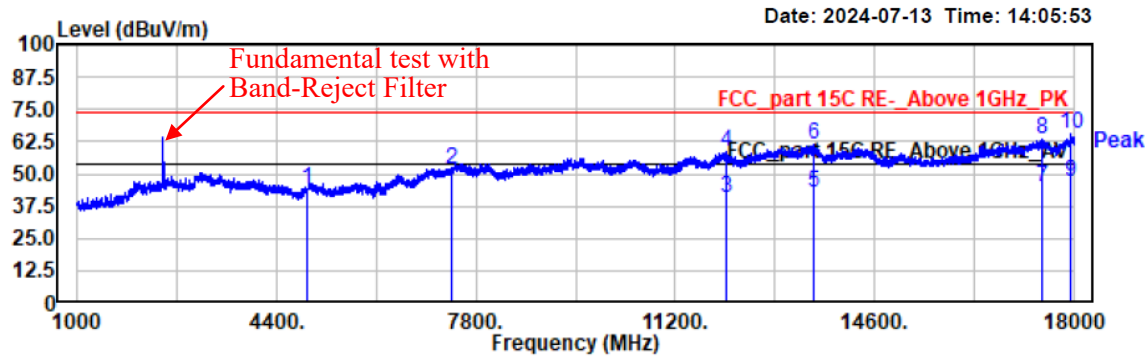
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4923.60     | 39.59           | 4.77           | 44.36            | 74.00           | 29.64        | horizontal | Peak    |
| 7386.00     | 39.23           | 12.51          | 51.74            | 74.00           | 22.26        | horizontal | Peak    |
| 13049.60    | 24.38           | 19.47          | 43.85            | 54.00           | 10.15        | horizontal | Average |
| 13049.60    | 42.04           | 19.47          | 61.51            | 74.00           | 12.49        | horizontal | Peak    |
| 13467.80    | 23.73           | 19.48          | 43.21            | 54.00           | 10.79        | horizontal | Average |
| 13467.80    | 41.37           | 19.48          | 60.85            | 74.00           | 13.15        | horizontal | Peak    |
| 17360.80    | 25.91           | 19.43          | 45.34            | 54.00           | 8.66         | horizontal | Average |
| 17360.80    | 43.50           | 19.43          | 62.93            | 74.00           | 11.07        | horizontal | Peak    |
| 18000.00    | 25.36           | 21.16          | 46.52            | 54.00           | 7.48         | horizontal | Average |
| 18000.00    | 43.33           | 21.16          | 64.49            | 74.00           | 9.51         | horizontal | Peak    |

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11N20 2462  
 EUT Model: VS125-P  
 Test distance: 3m

Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz

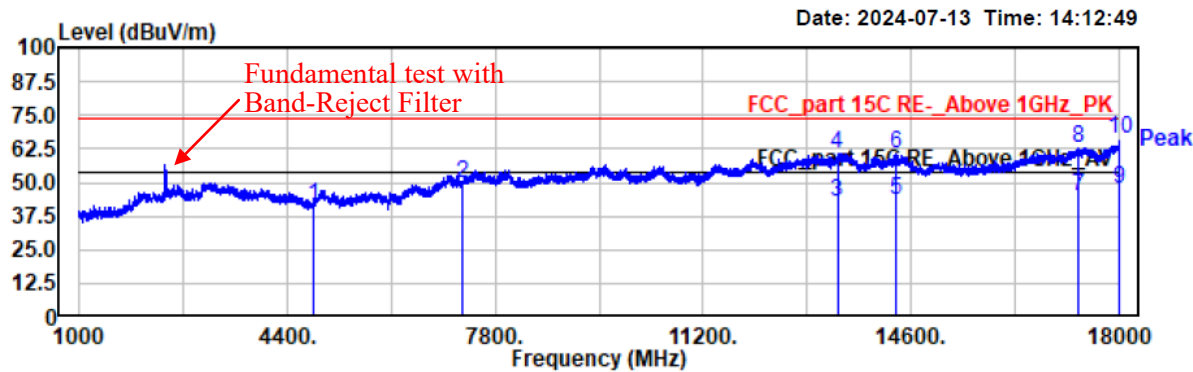


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4923.60     | 39.04           | 4.77           | 43.81            | 74.00           | 30.19        | vertical | Peak    |
| 7386.00     | 39.02           | 12.51          | 51.53            | 74.00           | 22.47        | vertical | Peak    |
| 12072.10    | 23.69           | 17.03          | 40.72            | 54.00           | 13.28        | vertical | Average |
| 12072.10    | 41.78           | 17.03          | 58.81            | 74.00           | 15.19        | vertical | Peak    |
| 13556.20    | 23.66           | 19.19          | 42.85            | 54.00           | 11.15        | vertical | Average |
| 13556.20    | 41.87           | 19.19          | 61.06            | 74.00           | 12.94        | vertical | Peak    |
| 17456.00    | 25.24           | 19.51          | 44.75            | 54.00           | 9.25         | vertical | Average |
| 17456.00    | 43.92           | 19.51          | 63.43            | 74.00           | 10.57        | vertical | Peak    |
| 17949.00    | 25.60           | 21.06          | 46.66            | 54.00           | 7.34         | vertical | Average |
| 17949.00    | 44.66           | 21.06          | 65.72            | 74.00           | 8.28         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11 n ht40 low channel

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11N40 2422  
 EUT Model: VS125-P  
 Test distance: 3m

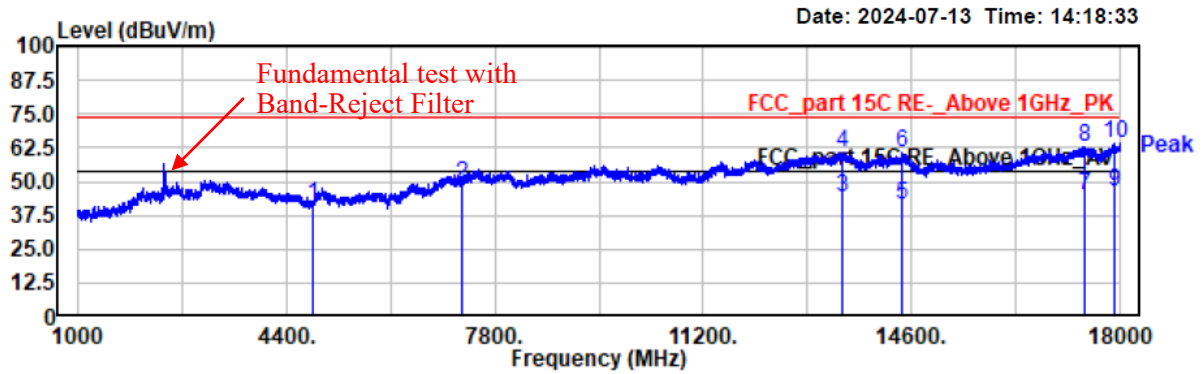
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4843.70     | 37.89           | 3.32           | 41.21            | 74.00           | 32.79        | horizontal | Peak    |
| 7266.00     | 37.49           | 11.93          | 49.42            | 74.00           | 24.58        | horizontal | Peak    |
| 13396.40    | 23.03           | 19.45          | 42.48            | 54.00           | 11.52        | horizontal | Average |
| 13396.40    | 41.50           | 19.45          | 60.95            | 74.00           | 13.05        | horizontal | Peak    |
| 14339.90    | 24.92           | 18.38          | 43.30            | 54.00           | 10.70        | horizontal | Average |
| 14339.90    | 42.10           | 18.38          | 60.48            | 74.00           | 13.52        | horizontal | Peak    |
| 17343.80    | 25.46           | 19.42          | 44.88            | 54.00           | 9.12         | horizontal | Average |
| 17343.80    | 43.44           | 19.42          | 62.86            | 74.00           | 11.14        | horizontal | Peak    |
| 18000.00    | 26.11           | 21.16          | 47.27            | 54.00           | 6.73         | horizontal | Average |
| 18000.00    | 45.22           | 21.16          | 66.38            | 74.00           | 7.62         | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N40 2422  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4843.70     | 38.23           | 3.32           | 41.55            | 74.00           | 32.45        | vertical | Peak    |
| 7266.00     | 37.00           | 11.93          | 48.93            | 74.00           | 25.07        | vertical | Peak    |
| 13462.70    | 24.83           | 19.48          | 44.31            | 54.00           | 9.69         | vertical | Average |
| 13462.70    | 41.31           | 19.48          | 60.79            | 74.00           | 13.21        | vertical | Peak    |
| 14438.50    | 23.56           | 17.90          | 41.46            | 54.00           | 12.54        | vertical | Average |
| 14438.50    | 42.55           | 17.90          | 60.45            | 74.00           | 13.55        | vertical | Peak    |
| 17418.60    | 25.03           | 19.49          | 44.52            | 54.00           | 9.48         | vertical | Average |
| 17418.60    | 43.04           | 19.49          | 62.53            | 74.00           | 11.47        | vertical | Peak    |
| 17911.60    | 24.99           | 20.99          | 45.98            | 54.00           | 8.02         | vertical | Average |
| 17911.60    | 43.25           | 20.99          | 64.24            | 74.00           | 9.76         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11 n ht40 middle channel

Project No.: 2407T78483E-RF

Test Mode: WiFi 11N40 2437

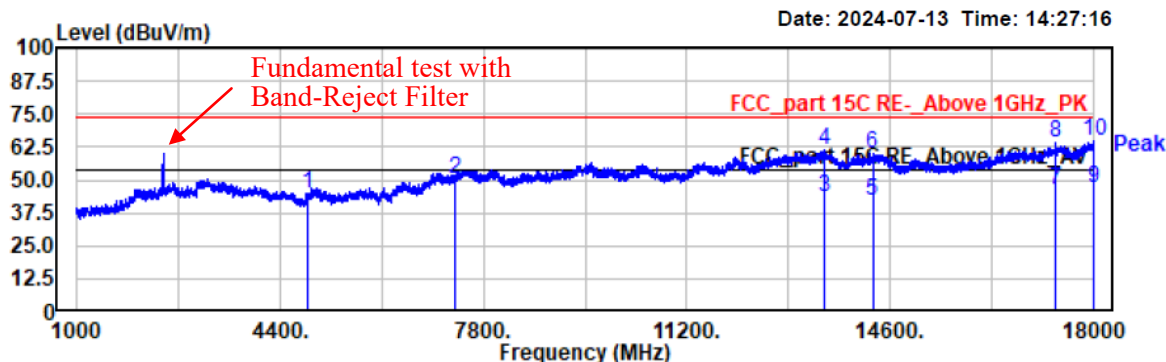
EUT Model: VS125-P

Test distance: 3m

Temp/Humi: 23.1°C/55%

Tested by: Ash Lin

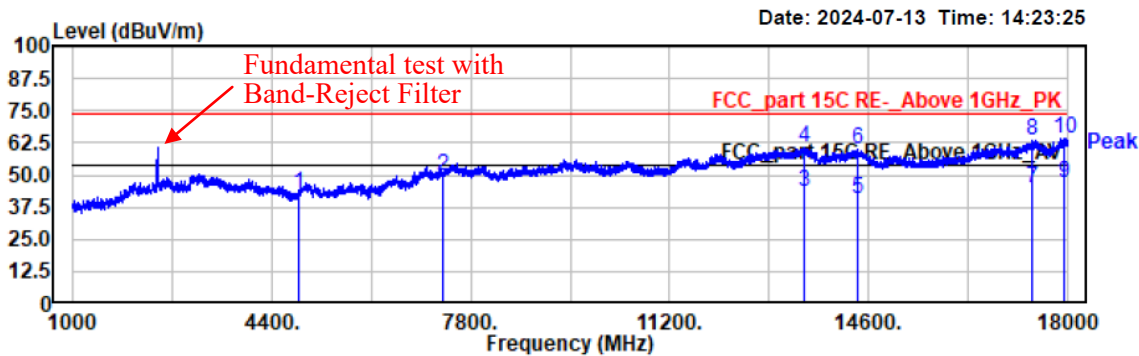
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4874.30     | 41.03           | 3.96           | 44.99            | 74.00           | 29.01        | horizontal | Peak    |
| 7311.00     | 37.75           | 12.30          | 50.05            | 74.00           | 23.95        | horizontal | Peak    |
| 13506.90    | 23.79           | 19.44          | 43.23            | 54.00           | 10.77        | horizontal | Average |
| 13506.90    | 41.99           | 19.44          | 61.43            | 74.00           | 12.57        | horizontal | Peak    |
| 14309.30    | 23.18           | 18.59          | 41.77            | 54.00           | 12.23        | horizontal | Average |
| 14309.30    | 41.22           | 18.59          | 59.81            | 74.00           | 14.19        | horizontal | Peak    |
| 17357.40    | 26.49           | 19.43          | 45.92            | 54.00           | 8.08         | horizontal | Average |
| 17357.40    | 44.49           | 19.43          | 63.92            | 74.00           | 10.08        | horizontal | Peak    |
| 17996.60    | 25.58           | 21.15          | 46.73            | 54.00           | 7.27         | horizontal | Average |
| 17996.60    | 43.36           | 21.15          | 64.51            | 74.00           | 9.49         | horizontal | Peak    |

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11N40 2437  
 EUT Model: VS125-P  
 Test distance: 3m

Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz

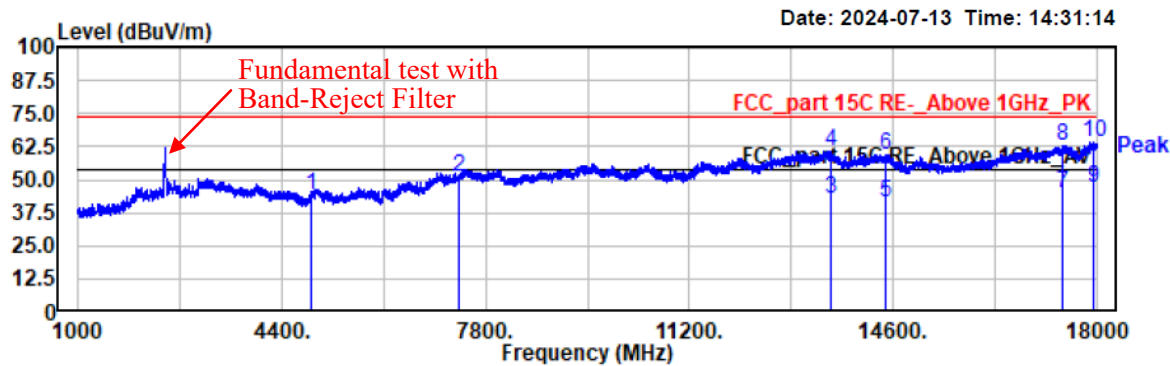


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4874.30     | 38.63           | 3.96           | 42.59            | 74.00           | 31.41        | vertical | Peak    |
| 7311.00     | 37.21           | 12.30          | 49.51            | 74.00           | 24.49        | vertical | Peak    |
| 13510.30    | 23.84           | 19.43          | 43.27            | 54.00           | 10.73        | vertical | Average |
| 13510.30    | 41.19           | 19.43          | 60.62            | 74.00           | 13.38        | vertical | Peak    |
| 14428.30    | 23.02           | 17.92          | 40.94            | 54.00           | 13.06        | vertical | Average |
| 14428.30    | 41.90           | 17.92          | 59.82            | 74.00           | 14.18        | vertical | Peak    |
| 17405.00    | 25.09           | 19.50          | 44.59            | 54.00           | 9.41         | vertical | Average |
| 17405.00    | 43.70           | 19.50          | 63.20            | 74.00           | 10.80        | vertical | Peak    |
| 17932.00    | 25.74           | 21.02          | 46.76            | 54.00           | 7.24         | vertical | Average |
| 17932.00    | 43.08           | 21.02          | 64.10            | 74.00           | 9.90         | vertical | Peak    |

EUT operation mode: Transmitting in Wifi 802.11 n ht40 high channel

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11N40 2452  
 EUT Model: VS125-P  
 Test distance: 3m

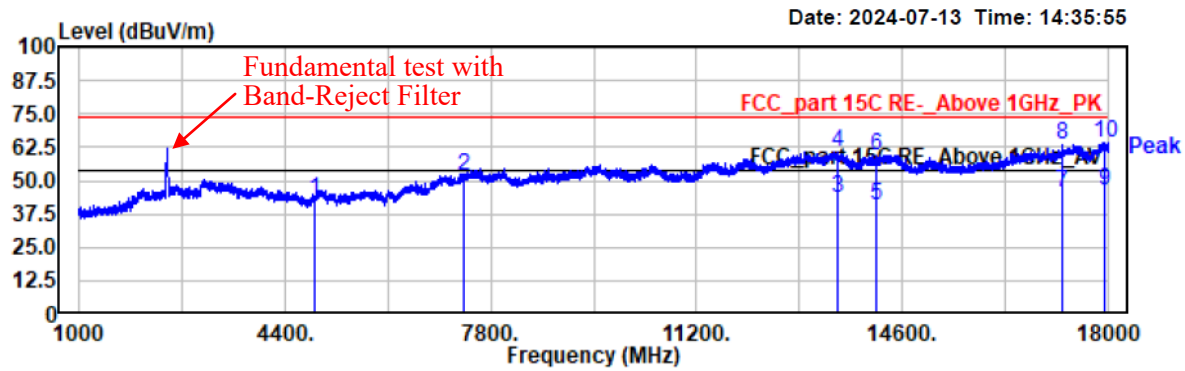
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 4903.20     | 39.68           | 4.64           | 44.32            | 74.00           | 29.68        | horizontal | Peak    |
| 7356.00     | 38.60           | 12.23          | 50.83            | 74.00           | 23.17        | horizontal | Peak    |
| 13556.20    | 23.58           | 19.19          | 42.77            | 54.00           | 11.23        | horizontal | Average |
| 13556.20    | 41.67           | 19.19          | 60.86            | 74.00           | 13.14        | horizontal | Peak    |
| 14474.20    | 23.87           | 17.83          | 41.70            | 54.00           | 12.30        | horizontal | Average |
| 14474.20    | 41.69           | 17.83          | 59.52            | 74.00           | 14.48        | horizontal | Peak    |
| 17430.50    | 25.09           | 19.50          | 44.59            | 54.00           | 9.41         | horizontal | Average |
| 17430.50    | 43.41           | 19.50          | 62.91            | 74.00           | 11.09        | horizontal | Peak    |
| 17940.50    | 25.83           | 21.04          | 46.87            | 54.00           | 7.13         | horizontal | Average |
| 17940.50    | 43.19           | 21.04          | 64.23            | 74.00           | 9.77         | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N40 2452  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz

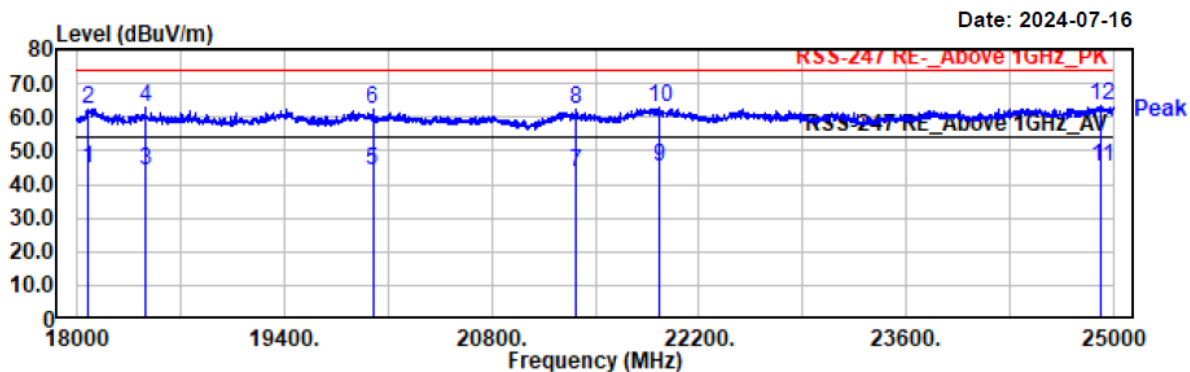


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4903.20     | 38.45           | 4.64           | 43.09            | 74.00           | 30.91        | vertical | Peak    |
| 7356.00     | 39.19           | 12.23          | 51.42            | 74.00           | 22.58        | vertical | Peak    |
| 13529.00    | 23.98           | 19.34          | 43.32            | 54.00           | 10.68        | vertical | Average |
| 13529.00    | 41.10           | 19.34          | 60.44            | 74.00           | 13.56        | vertical | Peak    |
| 14158.00    | 23.05           | 17.79          | 40.84            | 54.00           | 13.16        | vertical | Average |
| 14158.00    | 41.81           | 17.79          | 59.60            | 74.00           | 14.40        | vertical | Peak    |
| 17258.80    | 26.62           | 19.19          | 45.81            | 54.00           | 8.19         | vertical | Average |
| 17258.80    | 44.05           | 19.19          | 63.24            | 74.00           | 10.76        | vertical | Peak    |
| 17954.10    | 25.34           | 21.07          | 46.41            | 54.00           | 7.59         | vertical | Average |
| 17954.10    | 43.13           | 21.07          | 64.20            | 74.00           | 9.80         | vertical | Peak    |

**4) 18GHz~25GHz***EUT operation mode: Transmitting in Wifi 802.11b low channel (Worst Case)*

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2412  
EUT Model: VS125-P  
Test distance: 3m

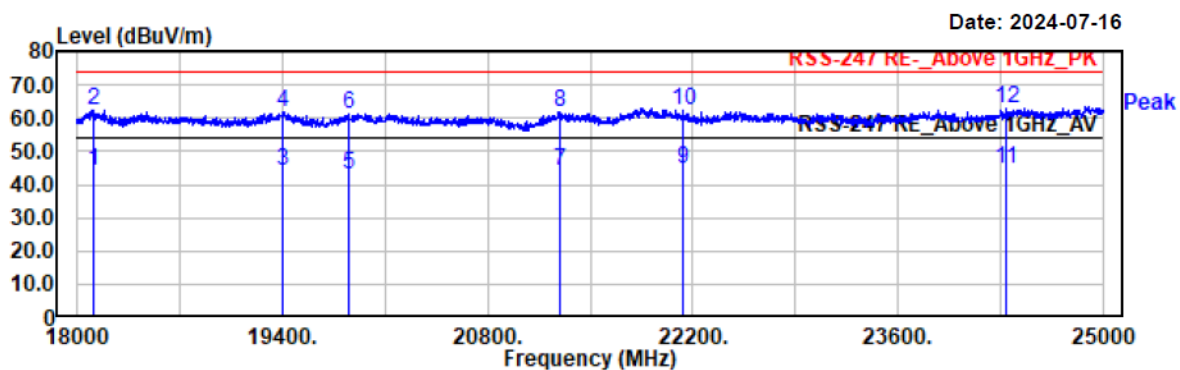
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 18079.20    | 20.34           | 24.11          | 44.45            | 54.00           | 9.55         | horizontal | Average |
| 18079.20    | 38.23           | 24.11          | 62.34            | 74.00           | 11.66        | horizontal | Peak    |
| 18458.40    | 19.98           | 24.34          | 44.32            | 54.00           | 9.68         | horizontal | Average |
| 18458.40    | 38.70           | 24.34          | 63.04            | 74.00           | 10.96        | horizontal | Peak    |
| 19996.80    | 19.31           | 24.66          | 43.97            | 54.00           | 10.03        | horizontal | Average |
| 19996.80    | 37.73           | 24.66          | 62.39            | 74.00           | 11.61        | horizontal | Peak    |
| 21367.20    | 18.11           | 25.61          | 43.72            | 54.00           | 10.28        | horizontal | Average |
| 21367.20    | 36.61           | 25.61          | 62.22            | 74.00           | 11.78        | horizontal | Peak    |
| 21928.80    | 19.15           | 26.07          | 45.22            | 54.00           | 8.78         | horizontal | Average |
| 21928.80    | 37.02           | 26.07          | 63.09            | 74.00           | 10.91        | horizontal | Peak    |
| 24916.80    | 17.04           | 28.41          | 45.45            | 54.00           | 8.55         | horizontal | Average |
| 24916.80    | 34.80           | 28.41          | 63.21            | 74.00           | 10.79        | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11b 2412  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 18112.80    | 19.90           | 24.12          | 44.02            | 54.00           | 9.98         | vertical | Average |
| 18112.80    | 38.19           | 24.12          | 62.31            | 74.00           | 11.69        | vertical | Peak    |
| 19404.00    | 19.80           | 24.59          | 44.39            | 54.00           | 9.61         | vertical | Average |
| 19404.00    | 37.38           | 24.59          | 61.97            | 74.00           | 12.03        | vertical | Peak    |
| 19850.40    | 18.53           | 24.64          | 43.17            | 54.00           | 10.83        | vertical | Average |
| 19850.40    | 36.86           | 24.64          | 61.50            | 74.00           | 12.50        | vertical | Peak    |
| 21292.80    | 18.35           | 25.62          | 43.97            | 54.00           | 10.03        | vertical | Average |
| 21292.80    | 36.23           | 25.62          | 61.85            | 74.00           | 12.15        | vertical | Peak    |
| 22128.00    | 18.64           | 25.86          | 44.50            | 54.00           | 9.50         | vertical | Average |
| 22128.00    | 36.47           | 25.86          | 62.33            | 74.00           | 11.67        | vertical | Peak    |
| 24333.60    | 16.20           | 28.25          | 44.45            | 54.00           | 9.55         | vertical | Average |
| 24333.60    | 34.53           | 28.25          | 62.78            | 74.00           | 11.22        | vertical | Peak    |

**Restricted Bands Emissions:**

*Pre-Scan with Wi-Fi 802.11b, 802.11g, 802.11n, 802.11nHT20, 802.11nHT40 modes, the worst case Z-axis of orientation is recorded.*

Note:

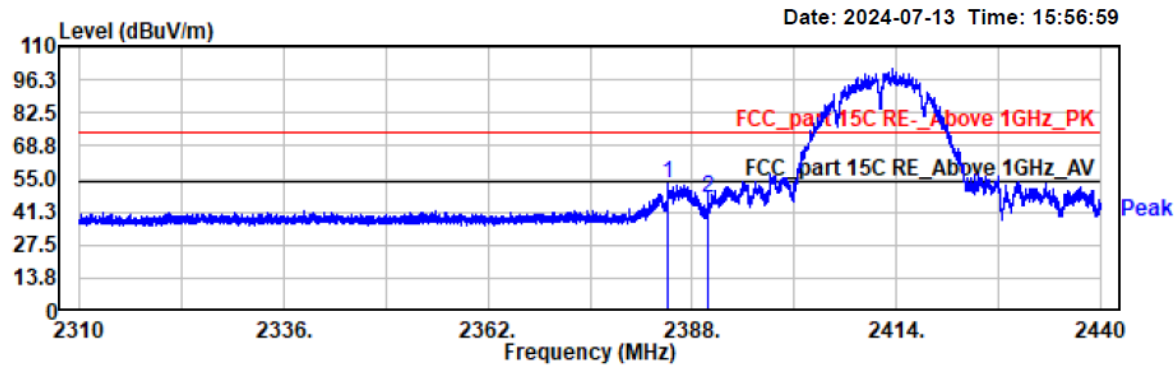
Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11B 2412  
 EUT Model: VS125-P  
 Test distance: 3m

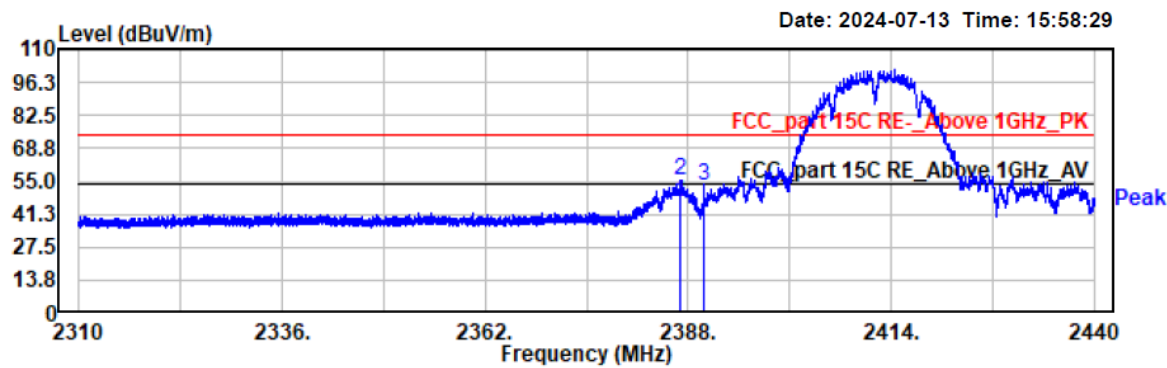
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 2384.98     | 48.52           | 4.23           | 52.75            | 74.00           | 21.25        | horizontal | Peak   |
| 2390.00     | 42.74           | 4.28           | 47.02            | 74.00           | 26.98        | horizontal | Peak   |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11B 2412  
EUT Model: VS125-P  
Test distance: 3m

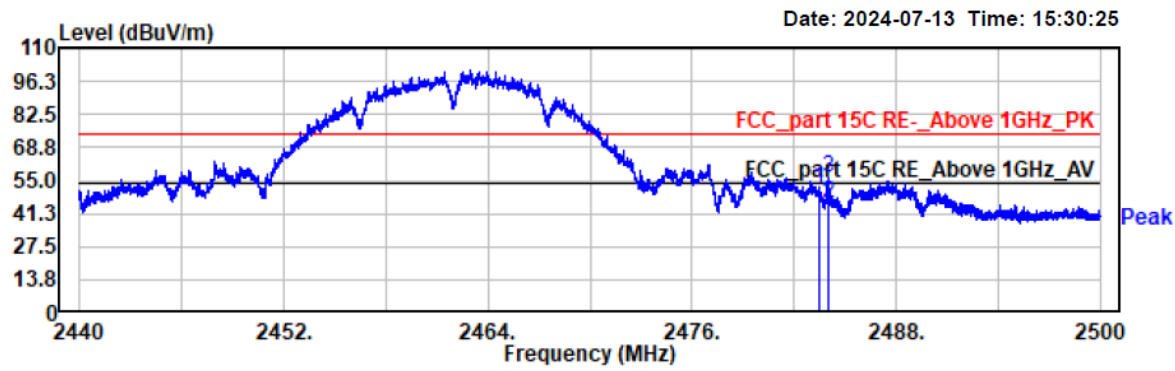
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 2386.96     | 41.78           | 4.26           | 46.04            | 54.00           | 7.96         | vertical | Average |
| 2386.96     | 51.00           | 4.26           | 55.26            | 74.00           | 18.74        | vertical | Peak    |
| 2390.00     | 49.07           | 4.28           | 53.35            | 74.00           | 20.65        | vertical | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11B 2462  
EUT Model: VS125-P  
Test distance: 3m

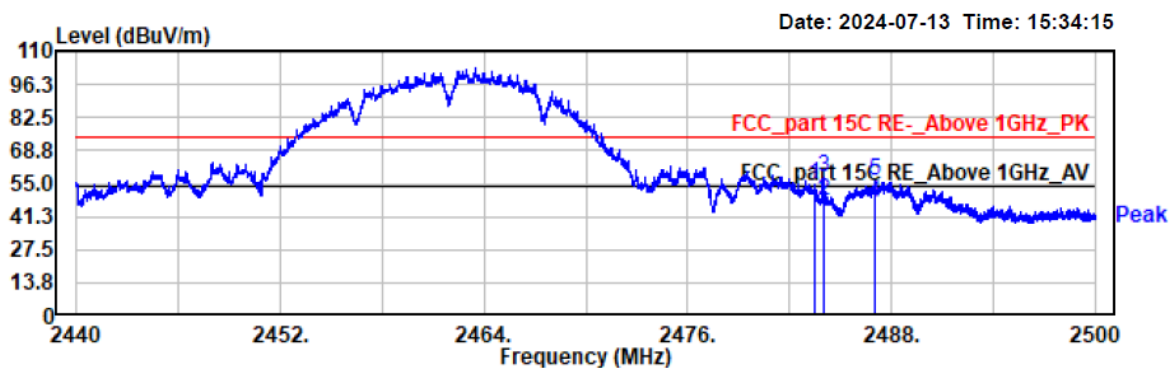
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 2483.50     | 46.85           | 5.03           | 51.88            | 74.00           | 22.12        | horizontal | Peak    |
| 2484.02     | 40.63           | 5.04           | 45.67            | 54.00           | 8.33         | horizontal | Average |
| 2484.02     | 51.09           | 5.04           | 56.13            | 74.00           | 17.87        | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11B 2462  
EUT Model: VS125-P  
Test distance: 3m

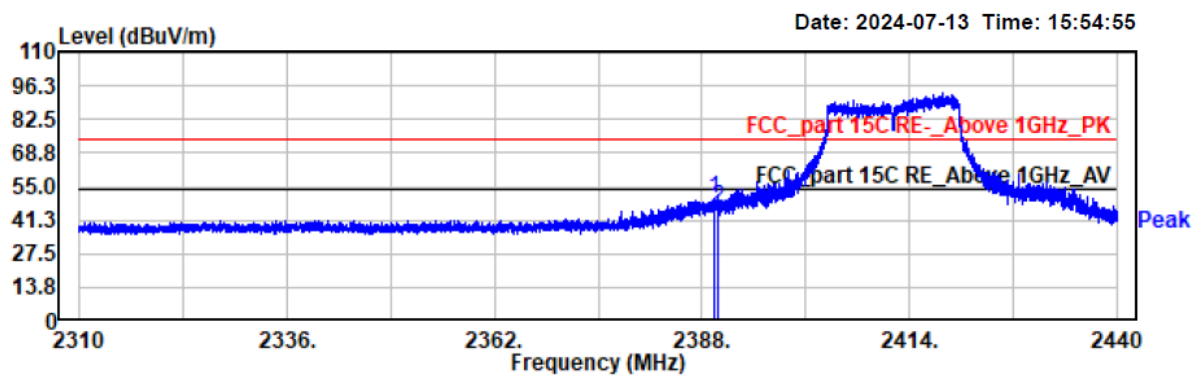
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 2483.50     | 49.26           | 5.03           | 54.29            | 74.00           | 19.71        | vertical | Peak    |
| 2483.99     | 43.09           | 5.04           | 48.13            | 54.00           | 5.87         | vertical | Average |
| 2483.99     | 52.34           | 5.04           | 57.38            | 74.00           | 16.62        | vertical | Peak    |
| 2487.01     | 42.16           | 5.08           | 47.24            | 54.00           | 6.76         | vertical | Average |
| 2487.01     | 50.82           | 5.08           | 55.90            | 74.00           | 18.10        | vertical | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11G 2412  
EUT Model: VS125-P  
Test distance: 3m

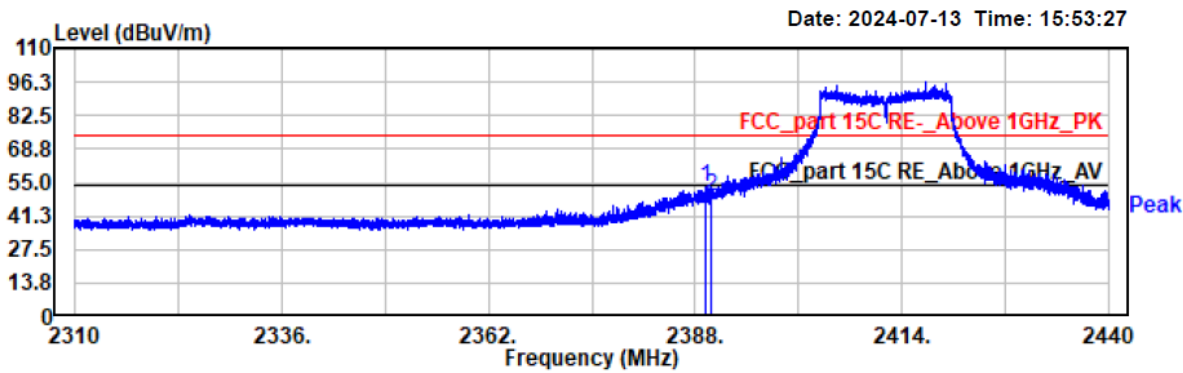
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 2389.59     | 45.46           | 4.27           | 49.73            | 74.00           | 24.27        | horizontal | Peak   |
| 2390.00     | 41.65           | 4.28           | 45.93            | 74.00           | 28.07        | horizontal | Peak   |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11G 2412  
EUT Model: VS125-P  
Test distance: 3m

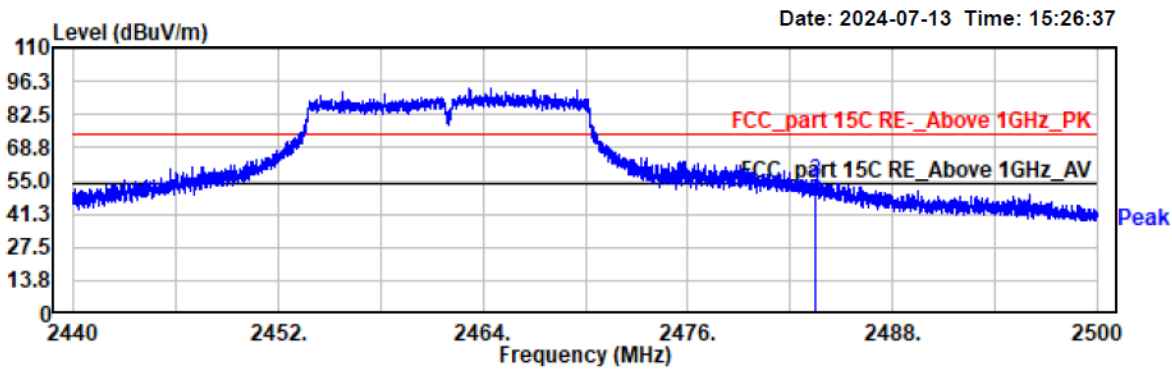
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq MHz | Reading dBuV | Factor dB/m | Result dBuV/m | Limit dBuV/m | Margin dB | Polarity | Remark |
|----------|--------------|-------------|---------------|--------------|-----------|----------|--------|
| 2389.21  | 48.58        | 4.27        | 52.85         | 74.00        | 21.15     | vertical | Peak   |
| 2390.00  | 45.08        | 4.28        | 49.36         | 74.00        | 24.64     | vertical | Peak   |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11G 2462  
EUT Model: VS125-P  
Test distance: 3m

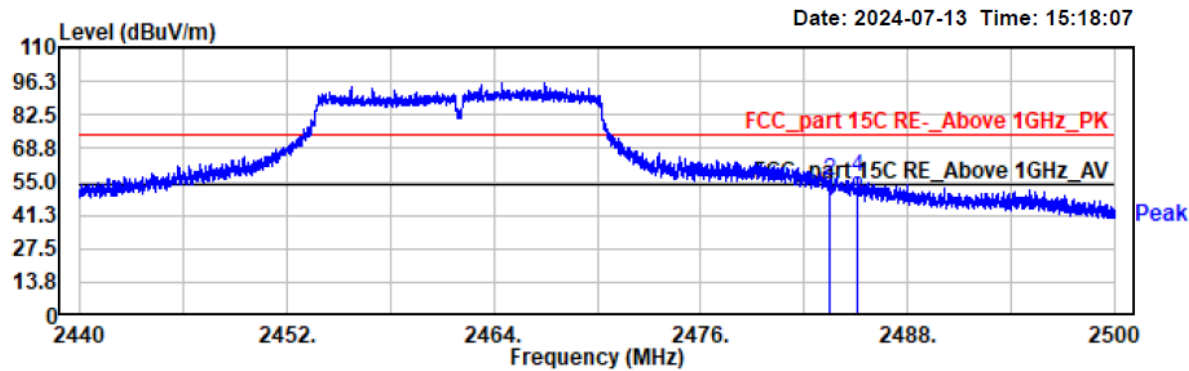
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 2483.50     | 46.85           | 5.03           | 51.88            | 74.00           | 22.12        | horizontal | Peak    |
| 2483.51     | 41.05           | 5.03           | 46.08            | 54.00           | 7.92         | horizontal | Average |
| 2483.51     | 49.42           | 5.03           | 54.45            | 74.00           | 19.55        | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11G 2462  
EUT Model: VS125-P  
Test distance: 3m

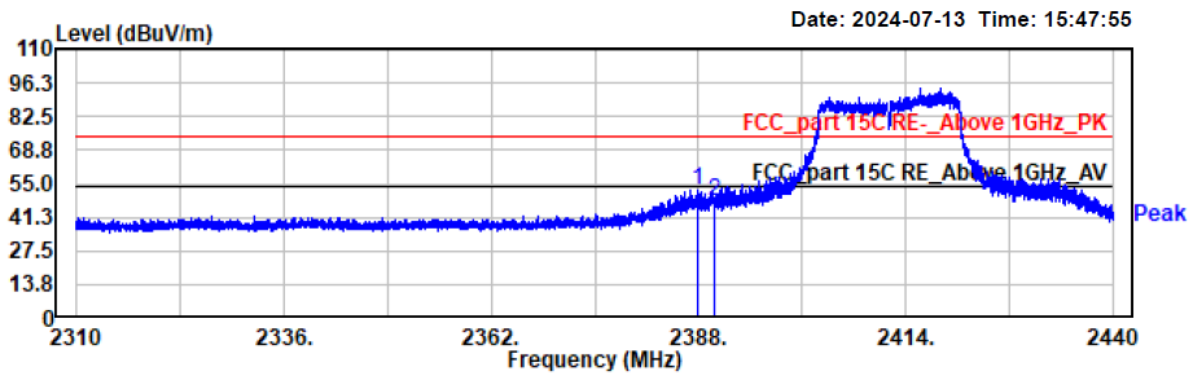
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 2483.50     | 41.98           | 5.03           | 47.01            | 54.00           | 6.99         | vertical | Average |
| 2483.50     | 50.18           | 5.03           | 55.21            | 74.00           | 18.79        | vertical | Peak    |
| 2485.13     | 42.79           | 5.05           | 47.84            | 54.00           | 6.16         | vertical | Average |
| 2485.13     | 51.75           | 5.05           | 56.80            | 74.00           | 17.20        | vertical | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N20 2412  
EUT Model: VS125-P  
Test distance: 3m

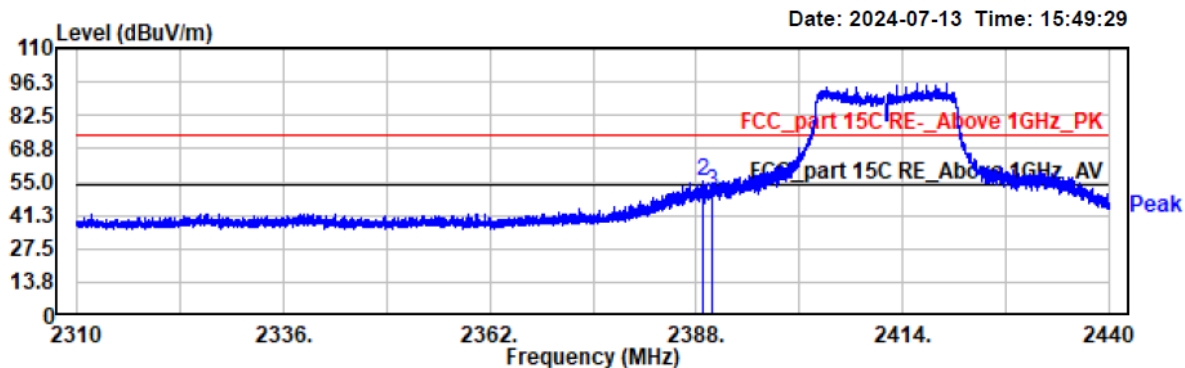
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq MHz | Reading dBuV | Factor dB/m | Result dBuV/m | Limit dBuV/m | Margin dB | Polarity   | Remark |
|----------|--------------|-------------|---------------|--------------|-----------|------------|--------|
| 2387.95  | 48.39        | 4.26        | 52.65         | 74.00        | 21.35     | horizontal | Peak   |
| 2390.00  | 43.32        | 4.28        | 47.60         | 74.00        | 26.40     | horizontal | Peak   |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N20 2412  
EUT Model: VS125-P  
Test distance: 3m

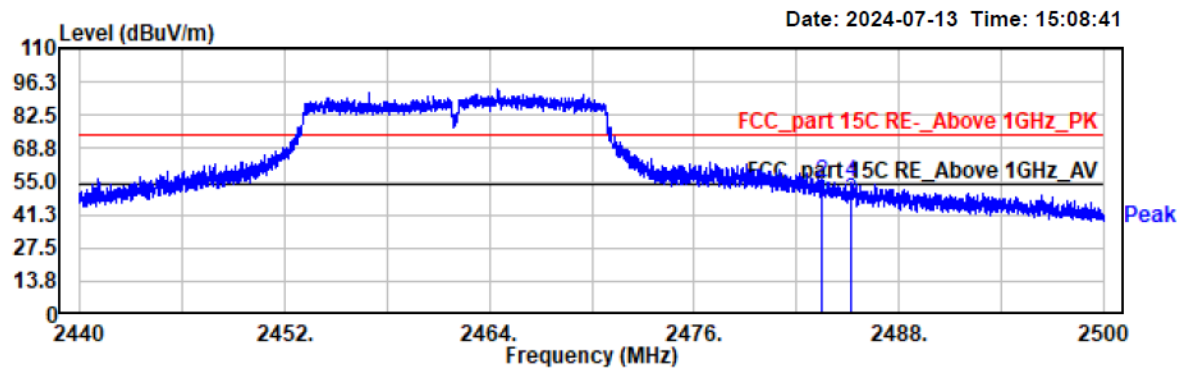
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 2388.85     | 40.68           | 4.27           | 44.95            | 54.00           | 9.05         | vertical | Average |
| 2388.85     | 50.97           | 4.27           | 55.24            | 74.00           | 18.76        | vertical | Peak    |
| 2390.00     | 46.56           | 4.28           | 50.84            | 74.00           | 23.16        | vertical | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N20 2462  
EUT Model: VS125-P  
Test distance: 3m

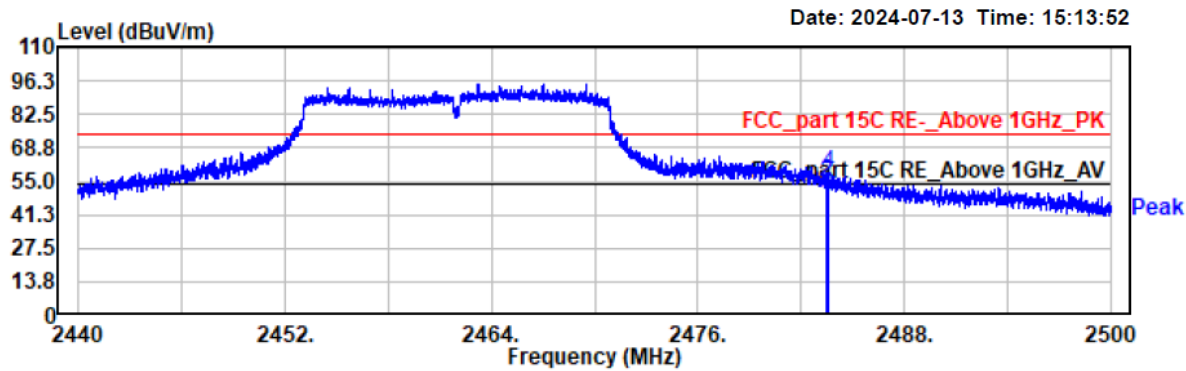
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 2483.50     | 41.35           | 5.03           | 46.38            | 54.00           | 7.62         | horizontal | Average |
| 2483.50     | 49.32           | 5.03           | 54.35            | 74.00           | 19.65        | horizontal | Peak    |
| 2485.17     | 42.27           | 5.05           | 47.32            | 54.00           | 6.68         | horizontal | Average |
| 2485.17     | 49.49           | 5.05           | 54.54            | 74.00           | 19.46        | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N20 2462  
EUT Model: VS125-P  
Test distance: 3m

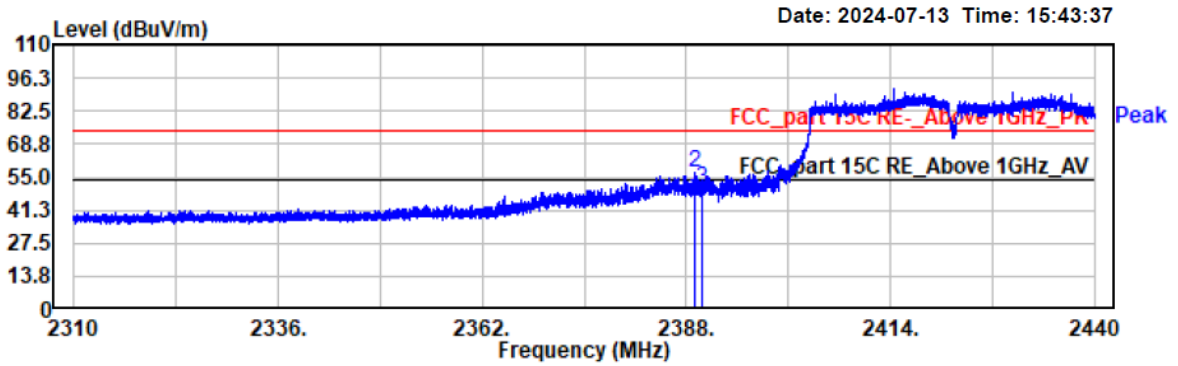
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 2483.50     | 43.17           | 5.03           | 48.20            | 54.00           | 5.80         | vertical | Average |
| 2483.50     | 49.35           | 5.03           | 54.38            | 74.00           | 19.62        | vertical | Peak    |
| 2483.57     | 44.40           | 5.03           | 49.43            | 54.00           | 4.57         | vertical | Average |
| 2483.57     | 53.50           | 5.03           | 58.53            | 74.00           | 15.47        | vertical | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N40 2422  
EUT Model: VS125-P  
Test distance: 3m

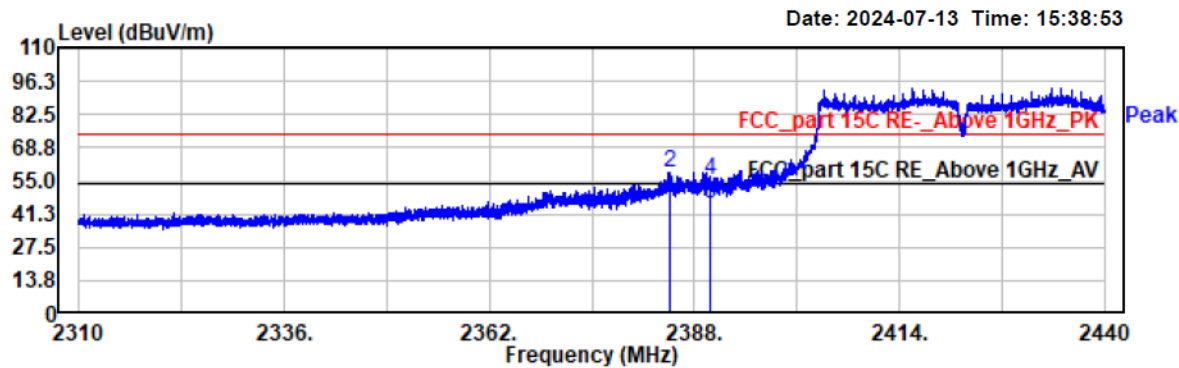
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 2389.18     | 42.32           | 4.27           | 46.59            | 54.00           | 7.41         | horizontal | Average |
| 2389.18     | 52.54           | 4.27           | 56.81            | 74.00           | 17.19        | horizontal | Peak    |
| 2390.00     | 45.66           | 4.28           | 49.94            | 74.00           | 24.06        | horizontal | Peak    |

Project No.: 2407T78483E-RF  
 Test Mode: WiFi 11N40 2422  
 EUT Model: VS125-P  
 Test distance: 3m

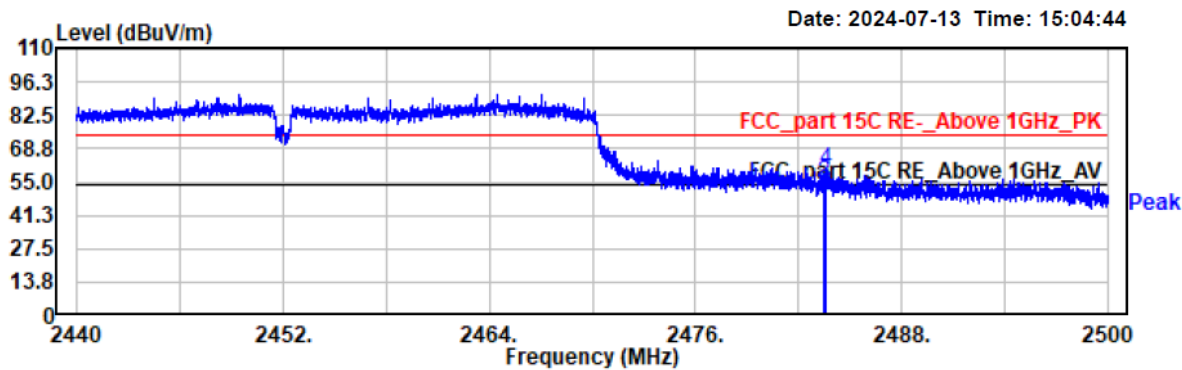
Temp/Humi: 23.1°C/55%  
 Tested by: Ash Lin  
 Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 2384.83     | 43.70           | 4.23           | 47.93            | 54.00           | 6.07         | vertical | Average |
| 2384.83     | 54.36           | 4.23           | 58.59            | 74.00           | 15.41        | vertical | Peak    |
| 2390.00     | 41.37           | 4.28           | 45.65            | 54.00           | 8.35         | vertical | Average |
| 2390.00     | 50.73           | 4.28           | 55.01            | 74.00           | 18.99        | vertical | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N40 2452  
EUT Model: VS125-P  
Test distance: 3m

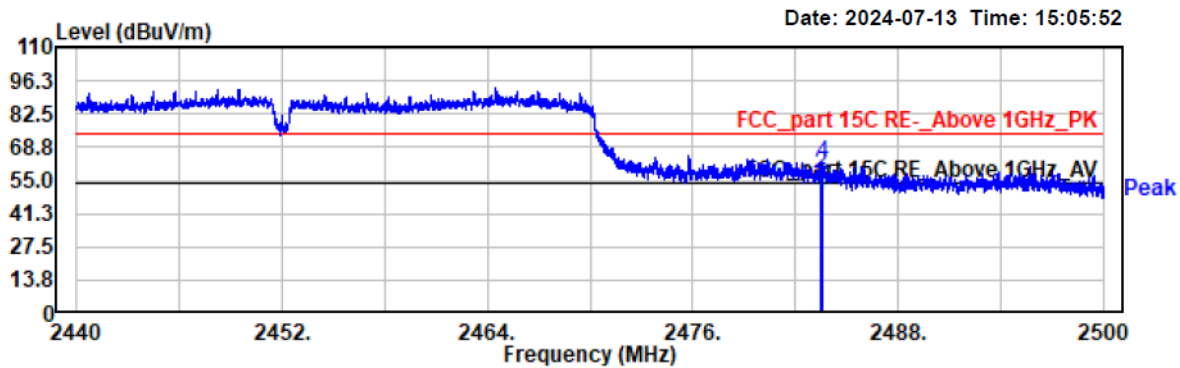
Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 2483.50     | 43.52           | 5.03           | 48.55            | 54.00           | 5.45         | horizontal | Average |
| 2483.50     | 49.32           | 5.03           | 54.35            | 74.00           | 19.65        | horizontal | Peak    |
| 2483.60     | 45.64           | 5.03           | 50.67            | 54.00           | 3.33         | horizontal | Average |
| 2483.60     | 55.26           | 5.03           | 60.29            | 74.00           | 13.71        | horizontal | Peak    |

Project No.: 2407T78483E-RF  
Test Mode: WiFi 11N40 2452  
EUT Model: VS125-P  
Test distance: 3m

Temp/Humi: 23.1°C/55%  
Tested by: Ash Lin  
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 2483.50     | 43.65           | 5.03           | 48.68            | 54.00           | 5.32         | vertical | Average |
| 2483.50     | 52.44           | 5.03           | 57.47            | 74.00           | 16.53        | vertical | Peak    |
| 2483.63     | 47.98           | 5.03           | 53.01            | 54.00           | 0.99         | vertical | Average |
| 2483.63     | 56.91           | 5.03           | 61.94            | 74.00           | 12.06        | vertical | Peak    |