

Project No: TM-2510000177P  
Report No.: TMTN2510001131NR

FCC ID: XO8-FS319V2

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Rev.: 00

# FCC 47 CFR PART 15 SUBPART C

## ANSI C63.10: 2020

### TEST REPORT

For

Fall Sensor

Model: FS319-SL+

Brand:



Test Report Number:  
TMTN2510001131NR

Issued to

**Instant Care, Inc.**

9750 Birch Canyon Pl, San Diego, California, United States, 92126

Issued by

**Compliance Certification Services Inc.**

**Tainan Lab.**

**No. 168, Ln. 523, Sec. 3, Zhongzheng Rd., Rende Dist.,  
Tainan City, 717017, Taiwan**

**Issued Date: July 03, 2026**

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**REVISION HISTORY**

| Rev. | Issue Date    | Revisions     | Effect Page | Revised By |
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| 00   | July 03, 2026 | Initial Issue | ALL         | Gina Lin   |
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|      |               |               |             |            |

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## 1. TEST RESULT CERTIFICATION

**Product:** Fall Sensor

**Model:** FS319-SL+

**Data Applies To:** N/A

**Brand Name:** 

**Applicant:** Instant Care, Inc.

9750 Birch Canyon Pl, San Diego, California, United States, 92126

**Manufacturer:** Vision Automobile Electronics Industrial Co Ltd.

No.78, Gongye 3rd Rd., Technology Industrial Park, Tainan, Taiwan, 70955

**Tested:** June 16, 2026 ~ June 22, 2026

| APPLICABLE STANDARDS                              |                         |
|---------------------------------------------------|-------------------------|
| STANDARD                                          | TEST RESULT             |
| FCC 47 CFR Part 15 Subpart C<br>ANSI C63.10: 2020 | No non-compliance noted |

### Statements of Conformity

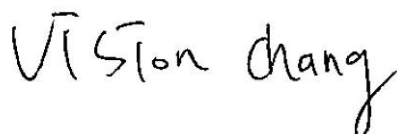
Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10: 2020 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.207, 15.209 and Part 15.231.

The test results of this report relate only to the tested sample identified in this report.

**Approved by:**



**Vision Chang**  
Team Leader

## 2. TEST RESULT SUMMARY

| FCC Standard Section | Report Section | Test Item                     | Result         |
|----------------------|----------------|-------------------------------|----------------|
| 15.203               | 3              | Antenna Requirement           | Non-detachable |
| -                    | 8.1            | Occupied Bandwidth (99%)      | -              |
| 15.231(c)            | 8.2            | 20dB Bandwidth                | Pass           |
| 15.231(a)(1)         | 8.3            | Limit of Transmission Time    | Pass           |
| -                    | 8.4            | Duty Cycle                    | -              |
| 15.231(b)            | 8.5            | Radiated Emissions            | Pass           |
| 15.207(a)            | 8.6            | Powerline Conducted Emissions | -              |

### 3. EUT DESCRIPTION

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| Product.               | Fall Sensor                                                                       |
| Model Number           | FS319-SL+                                                                         |
| Data Applies To        | N/A                                                                               |
| Brand Name             |  |
| Received Date          | October 13, 2025                                                                  |
| Reported Date          | June 23, 2026                                                                     |
| Operation Frequency    | 319.5MHz $\pm$ 40kHz                                                              |
| Transmit Peak Power    | 89.20 dB $\mu$ V/m                                                                |
| Number of Channels     | 1 Channel                                                                         |
| Type of Modulation     | ASK                                                                               |
| Power Supply           | 3Vdc (Powered from battery)                                                       |
| Antenna Type           | Type: PCB Antenna<br>Model: FS319-SL+<br>Manufacturer: N/A<br>Gain: -15.38dBi     |
| MCU CHIP Brand /Model  | (U1) Microchip / PIC16LF1829-I/ML                                                 |
| RF Module Brand /Model | (U2) Silicon-Labs / Si4055-C2A-GM                                                 |
| Hardware Version       | Rev.0                                                                             |
| Software Version       | Rev.0                                                                             |
| Temperature Range      | -20°C ~ +60°C                                                                     |

#### Remark:

- Client consigns only one model sample to test (Model Number: **FS319-SL+**). Therefore, the testing Lab. just guarantees the unit, which has been tested.
- This submittal(s) (test report) is intended for FCC ID: **XO8-FS319V2** filing to comply with Section 15.207, 15.209 and 15.231 of the FCC Part 15, Subpart C Rules.

## 4. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10 (2020) and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, 15.207, 15.209 and 15.231

### 4.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

### 4.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

### 4.3 GENERAL TEST PROCEDURES

#### Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.10. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

#### Radiated Emissions

The EUT is placed on a turn table, which is 1.5m high is for radiated emission above 1GHz and 0.8m for below 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.10.

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#### 4.4 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

- (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz                        | MHz                 | MHz             | GHz              |
|----------------------------|---------------------|-----------------|------------------|
| 0.090 - 0.110              | 16.42 - 16.423      | 399.9 - 410     | 4.5 - 5.15       |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614       | 5.35 - 5.46      |
| 2.1735 - 2.1905            | 16.80425 - 16.80475 | 960 - 1240      | 7.25 - 7.75      |
| 4.125 - 4.128              | 25.5 - 25.67        | 1300 - 1427     | 8.025 - 8.5      |
| 4.17725 - 4.17775          | 37.5 - 38.25        | 1435 - 1626.5   | 9.0 - 9.2        |
| 4.20725 - 4.20775          | 73 - 74.6           | 1645.5 - 1646.5 | 9.3 - 9.5        |
| 6.215 - 6.218              | 74.8 - 75.2         | 1660 - 1710     | 10.6 - 12.7      |
| 6.26775 - 6.26825          | 108 - 121.94        | 1718.8 - 1722.2 | 13.25 - 13.4     |
| 6.31175 - 6.31225          | 123 - 138           | 2200 - 2300     | 14.47 - 14.5     |
| 8.291 - 8.294              | 149.9 - 150.05      | 2310 - 2390-    | 15.35 - 16.2     |
| 8.362 - 8.366              | 156.52475 -         | 2483.5 - 2500   | 17.7 - 21.4      |
| 8.37625 - 8.38675          | 156.52525           | 2655 - 2900     | 22.01 - 23.12    |
| 8.41425 - 8.41475          | 156.7 - 156.9       | 3260 - 3267     | 23.6 - 24.0      |
| 12.29 - 12.293             | 162.0125 - 167.17   | 3332 - 3339     | 31.2 - 31.8      |
| 12.51975 - 12.52025        | 167.72 - 173.2      | 3345.8 - 3358   | 36.43 - 36.5     |
| 12.57675 - 12.57725        | 240 - 285           | 3600 - 4400     | ( <sup>2</sup> ) |
| 13.36 - 13.41              | 322 - 335.4         |                 |                  |

<sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup> Above 38.6

- (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

#### 4.5 DESCRIPTION OF TEST MODES

The EUT (Model: **FS319-SL+**) had been tested under engineering test mode condition and the EUT staying in continuous transmitting mode.

Note :

- 1) The field strength of spurious emission was measured in the following position:  
EUT stand-up position (Y axis), lie-down position (X, Z axis). The worst emission was found in lie-down position (Z axis) and the worst case was recorded.

## 5. INSTRUMENT CALIBRATION

### 5.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

### 5.2 MEASUREMENT EQUIPMENT USED

| Chamber 1166 Room (Radiation Test) |                                         |              |                       |                  |                 |
|------------------------------------|-----------------------------------------|--------------|-----------------------|------------------|-----------------|
| Name of Equipment                  | Manufacturer                            | Model        | Serial Number         | Calibration Date | Calibration Due |
| Active Loop Antenna                | ETS-LINDREN                             | 6502         | 8905-2356             | 09/01/2025       | 08/31/2026      |
| Bilog Antenna with 6dB Attenuator  | SUNOL SCIENCES & EMCI                   | JB1 & N-6-06 | A021306 & AT-N0682    | 10/08/2025       | 10/07/2026      |
| Band Reject Filter                 | MICRO-TRONICS                           | HPM13525     | 006                   | 01/13/2026       | 01/12/2027      |
| Cable                              | EMCI                                    | EM102-KMKM   | CB1166-01             | 01/13/2026       | 01/12/2027      |
| Double Ridged Guide Horn Antenna   | ETS.LINDGREN                            | 3117         | 00078733              | 04/24/2026       | 04/23/2027      |
| EMI Test Receiver                  | R&S                                     | ESCI         | 100782                | 05/25/2026       | 05/24/2027      |
| EXA Spectrum Analyzer              | KEYSIGHT                                | N9010A       | MY54430216            | 07/24/2025       | 07/23/2026      |
| Pre-Amplifier                      | EMEC                                    | EM01G40GA    | 060919/S02-130417-307 | 04/29/2026       | 04/28/2027      |
| Software                           | Excel(ccs-o6-2020 v1.1) · e3(v6.101222) |              |                       |                  |                 |

**Remark:** Each piece of equipment is scheduled for calibration once a year.

### 5.3 MEASUREMENT UNCERTAINTY

| Measurement                                  | Uncertainty           |
|----------------------------------------------|-----------------------|
| AC Powerline Conducted Emission              | $\pm 2.21\text{dB}$   |
| Channel Bandwidth                            | $\pm 2.87\%$          |
| RF output power (Spectrum)                   | $\pm 2.88\text{dB}$   |
| RF Output power (Power Meter & Power sensor) | $\pm 0.243\text{dB}$  |
| Power Density                                | $\pm 2.87\text{dB}$   |
| Conducted Badnedge                           | $\pm 2.87\text{dB}$   |
| Conducted Spurious Emission                  | $\pm 2.88\text{dB}$   |
| Channel Separation                           | $\pm 2.87\text{dB}$   |
| In-Band Emission (Channel Mask)              | $\pm 2.88\text{dB}$   |
| Frequency Stability                          | $\pm 0.03\text{ ppm}$ |

Uncertainty figures are valid to a confidence level of 95%,  $k=2$

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## 6. FACILITIES AND ACCREDITATIONS

### 6.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

- ☐ No.8, Jiucengling, Xinhua Dist., Tainan City 712, Taiwan (R.O.C.)
- ☒ No. 168, Ln. 523, Sec. 3, Zhongzheng Rd., Rende Dist., Tainan City 717, Taiwan

The sites are constructed in conformance with the requirements of ANSI C63.7:1992, ANSI C63.10: 2020 and CISPR Publication 22.

### 6.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

### 6.3 TABLE OF ACCREDITATIONS AND LISTINGS

The test facilities used to perform radiated and conducted emissions tests are accredited by Taiwan Accreditation Foundation for the specific scope of accreditation under Lab Code: 1109 to perform Electromagnetic Interference tests according to FCC PART 15 AND CISPR 22 requirements. No part of this report may be used to claim or imply product endorsement by TAF or any agency of the Government. In addition, the test facilities are listed with Federal Communications Commission (registration no: TW1109).

## 6.4 TABLE OF ACCREDITATIONS AND LISTINGS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

|               |     |
|---------------|-----|
| <b>Taiwan</b> | TAF |
|---------------|-----|

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

|                |                 |
|----------------|-----------------|
| <b>Canada</b>  | Industry Canada |
| <b>Germany</b> | TUV NORD        |
| <b>Taiwan</b>  | BSMI            |
| <b>USA</b>     | FCC             |

## 7. SETUP OF EQUIPMENT UNDER TEST

### 7.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix I for the actual connections between EUT and support equipment.

【RF】



### 7.2 SUPPORT EQUIPMENT

【RF】

| No. | Product | Manufacturer | Model No. | Certify No. | Signal cable |
|-----|---------|--------------|-----------|-------------|--------------|
| 1   | N/A     | ---          | ---       | ---         | ---          |

| No. | Signal cable description |     |
|-----|--------------------------|-----|
| A   | N/A                      | --- |

#### Remark:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. shd. = shielded; unshd. = unshielded

### 7.3 EUT OPERATING CONDITION

#### RF Setup

1. Set up a whole system as the setup diagram.
2. Turn on power.

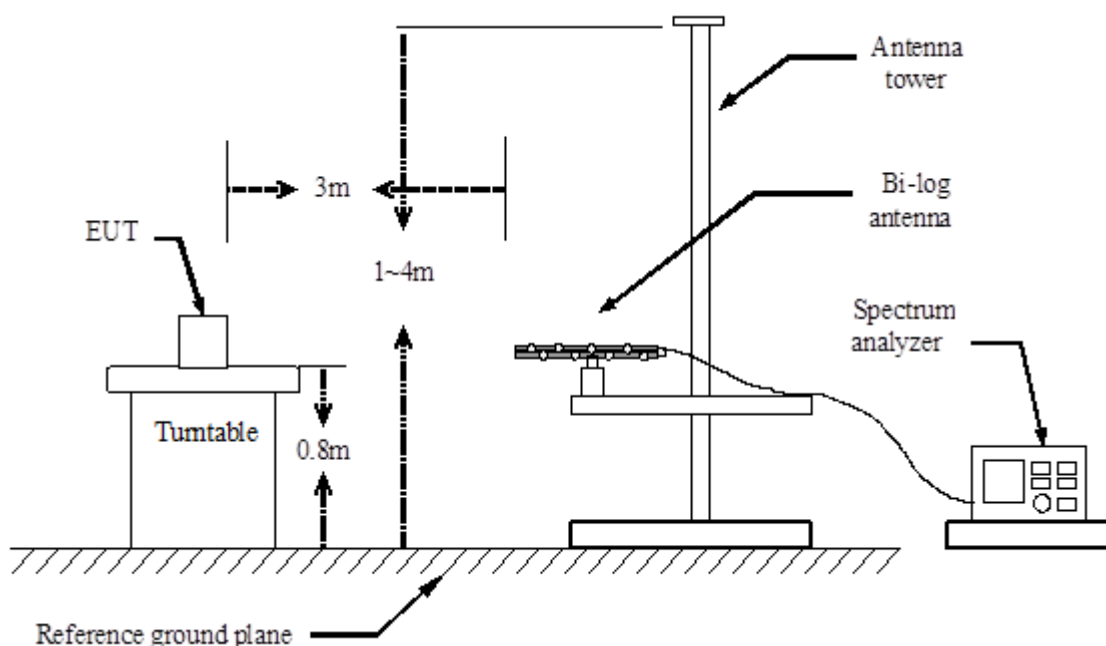
## 8. FCC PART 15.231 REQUIREMENTS

### 8.1 99% BANDWIDTH

#### LIMITS

None; for reporting purposes only.

#### TEST CONFIGURATION



#### TEST PROCEDURE

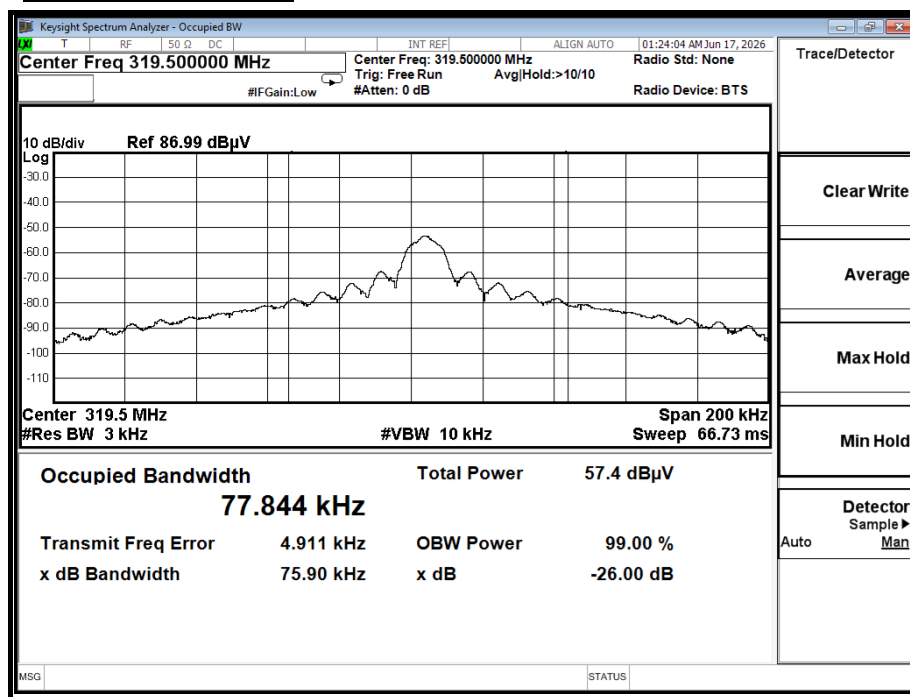
1. The spectrum shall be set as follows :  
 Span : The minimum span to fully display the emission and approximately 20dB below peak level.  
 RBW : The resolution bandwidth shall be set to as close to 1% of the selected span as is possible without being below 1%.  
 VBW: The video bandwidth shall be set to 3 times the resolution bandwidth.  
 Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual.
2. Compute the combined power of all signal responses contained in the trace by covering all the data points.
3. For 99% occupied BW, place the markers at the frequency at which 0.5% of the power lies to the right of the right marker and 0.5% of the power lies to the left of the left marker.
4. The 99% BW is the bandwidth between the right and left markers.

## TEST RESULTS

|                 |             |           |            |
|-----------------|-------------|-----------|------------|
| Model Name      | FS319-SL+   | Test By   | Ted.Huang  |
| Temp & Humidity | 25.2°C, 52% | Test Date | 2026/06/16 |

| Frequency (MHz) | 99% Bandwidth (kHz) |
|-----------------|---------------------|
| 319.5           | 77.844              |

### 99% BANDWIDTH

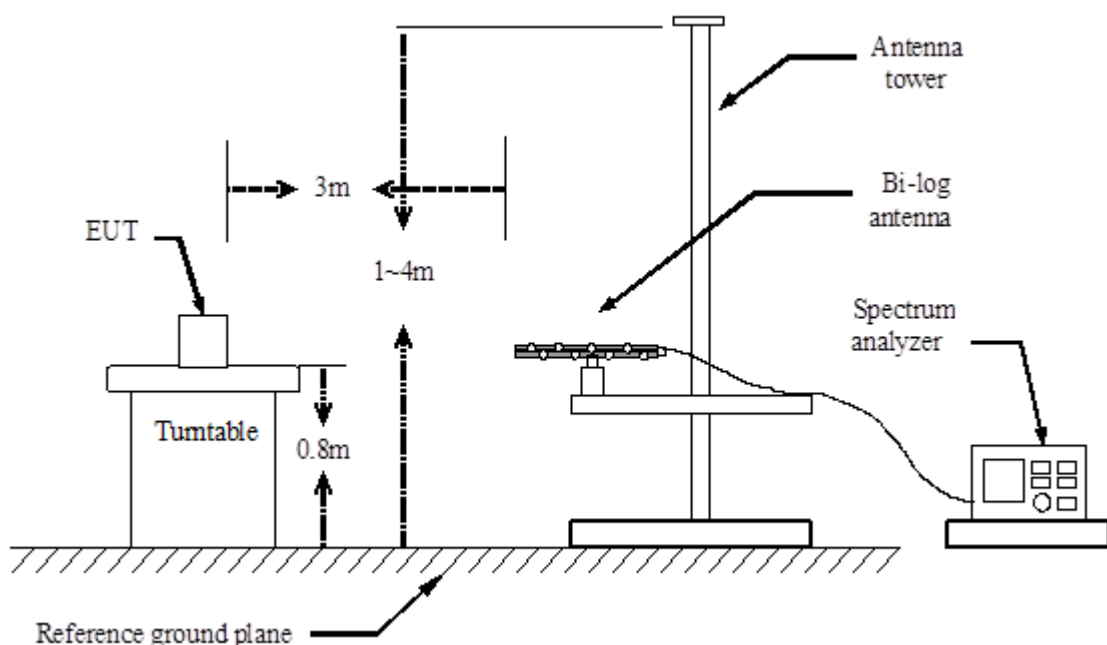


## 8.2 20dB BANDWIDTH

### LIMIT

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20dB down from the modulated carrier.

### TEST CONFIGURATION



### TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
5. Set the spectrum analyzer in the following setting as:  
RBW is set to 1%~5%OBW and VBW is set 3×RBW.

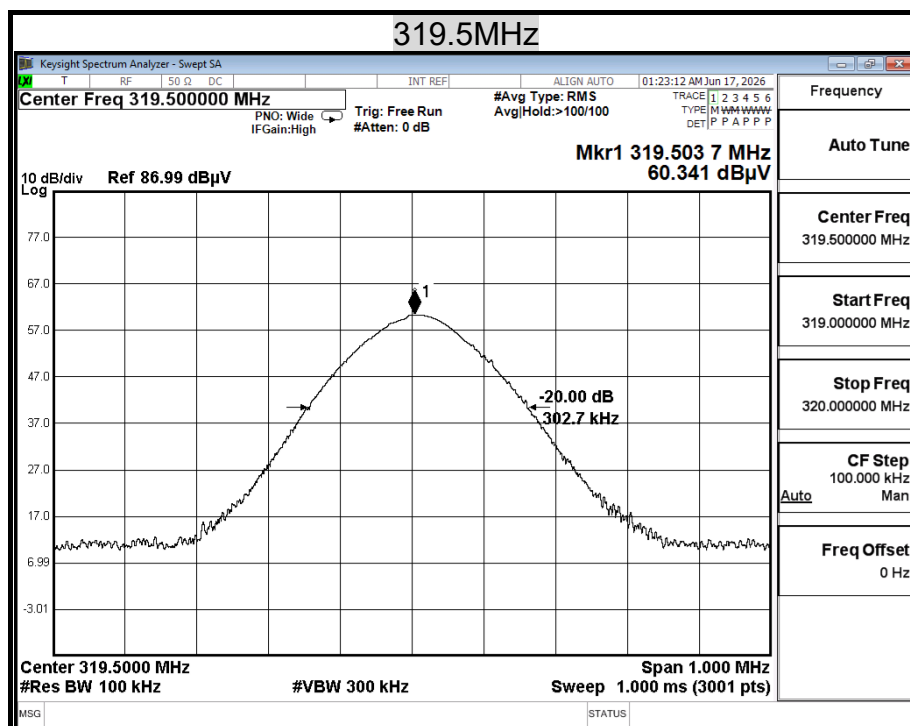
## TEST RESULTS

No non-compliance noted.

## TEST DATA

| Frequency<br>(MHz) | 20dB Bandwidth<br>(kHz) | Limit<br>(kHz) | Result |
|--------------------|-------------------------|----------------|--------|
| 319.5              | 302.70                  | 798.75         | PASS   |

## TEST PLOT

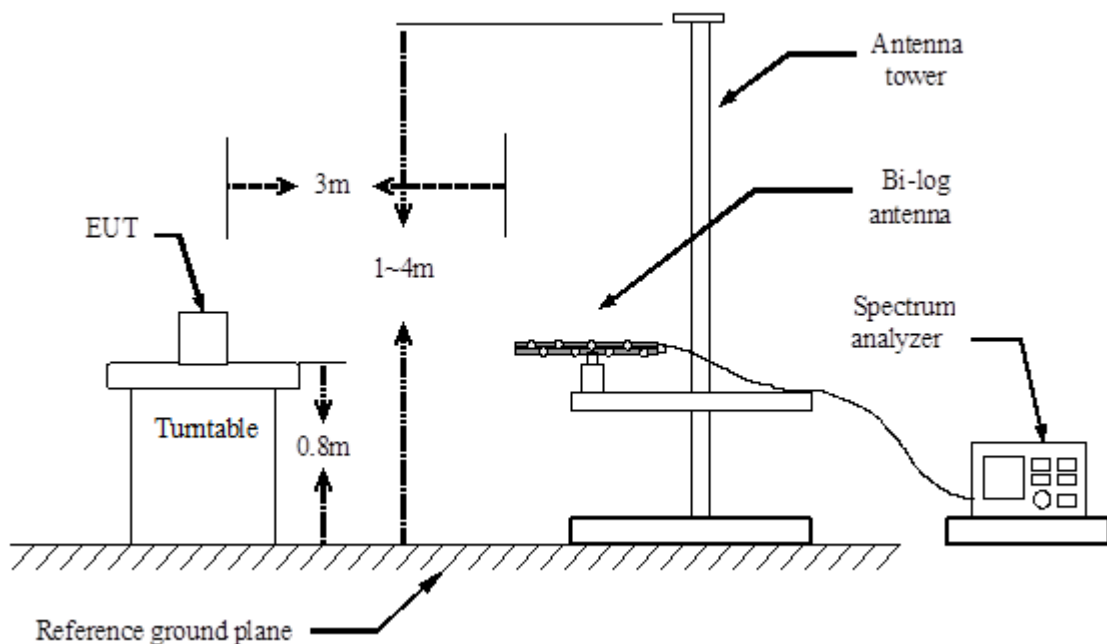


## 8.3 LIMIT OF TRANSMISSION TIME

### LIMIT

According to 15.231, a manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

### TEST CONFIGURATION



### TEST PROCEDURE

1. Place the EUT on the table and set it in transmitting mode.
2. Set center frequency of spectrum analyzer = operating frequency.
3. Set the spectrum analyzer as RBW=1MHz, VBW=3MHz, Span = 0Hz, a suitable Sweep Time.
4. Repeat above procedures until all frequency measured were complete.

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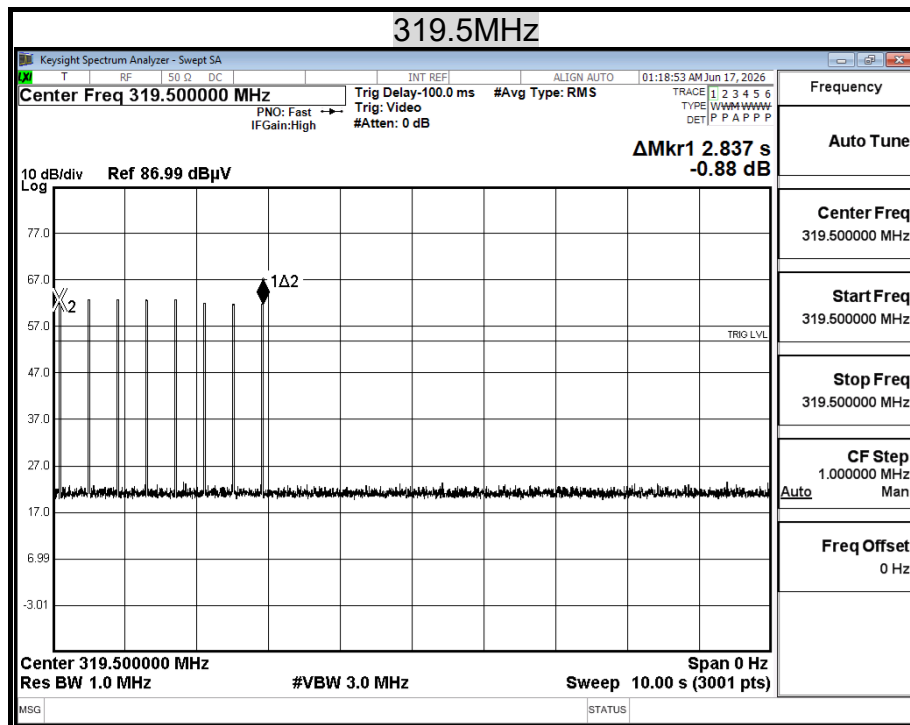
## TEST RESULTS

No non-compliance noted.

## TEST DATA

| Frequency<br>(MHz) | Transmission Time<br>(s) | Limit<br>(Second) | Result |
|--------------------|--------------------------|-------------------|--------|
| 319.5              | 2.837                    | 5                 | PASS   |

## TEST PLOT

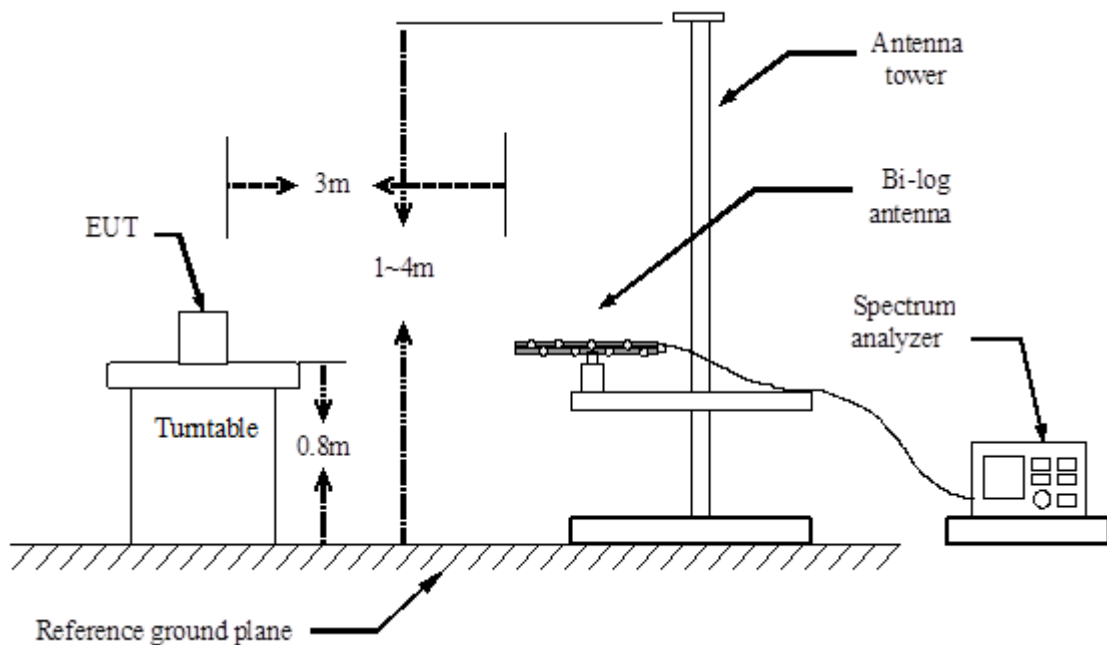


## 8.4 DUTY CYCLE

### LIMIT

Nil (No dedicated limit specified in the Rules)

### TEST CONFIGURATION



### TEST PROCEDURE

1. Place the EUT on the table and set it in transmitting mode.
2. Set center frequency of spectrum analyzer = operating frequency.
3. Set the spectrum analyzer as RBW=1MHz, VBW=3MHz, Span = 0Hz, a suitable Sweep Time.
4. Repeat above procedures until all frequency measured were complete.

## **TEST RESULTS**

No non-compliance noted.

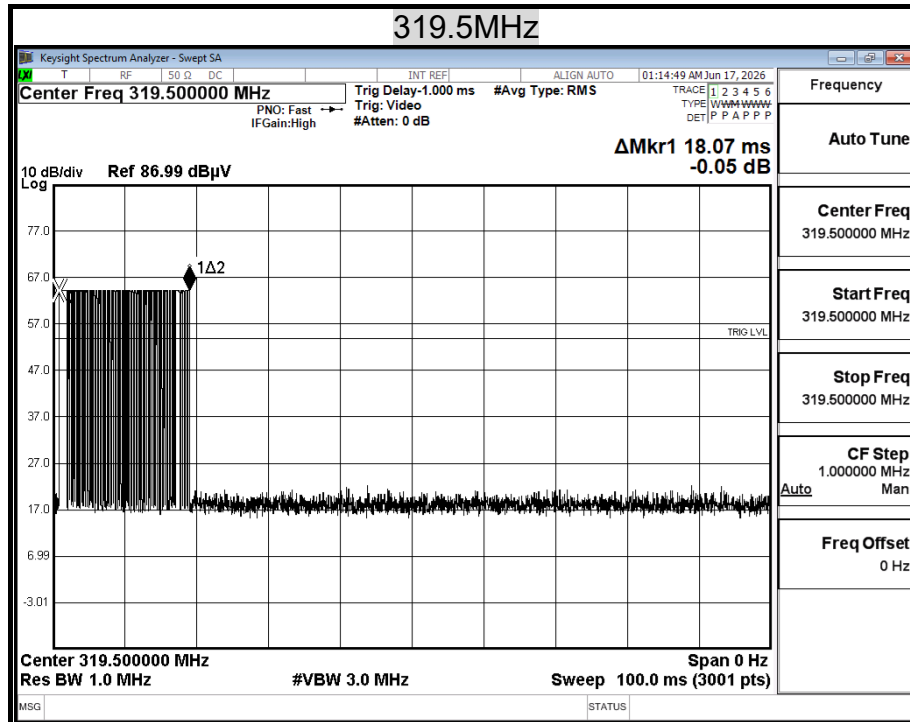
### **TEST DATA**

|      | us      | Times | Ton     | Total Ton time(ms) |
|------|---------|-------|---------|--------------------|
| Ton1 | 1106.00 | 1.00  | 1106.00 | 9.72               |
| Ton2 | 140.00  | 58.00 | 8120.00 |                    |
| Ton3 | 497.00  | 1.00  | 497.00  |                    |
| TP   |         |       |         | 100.00             |

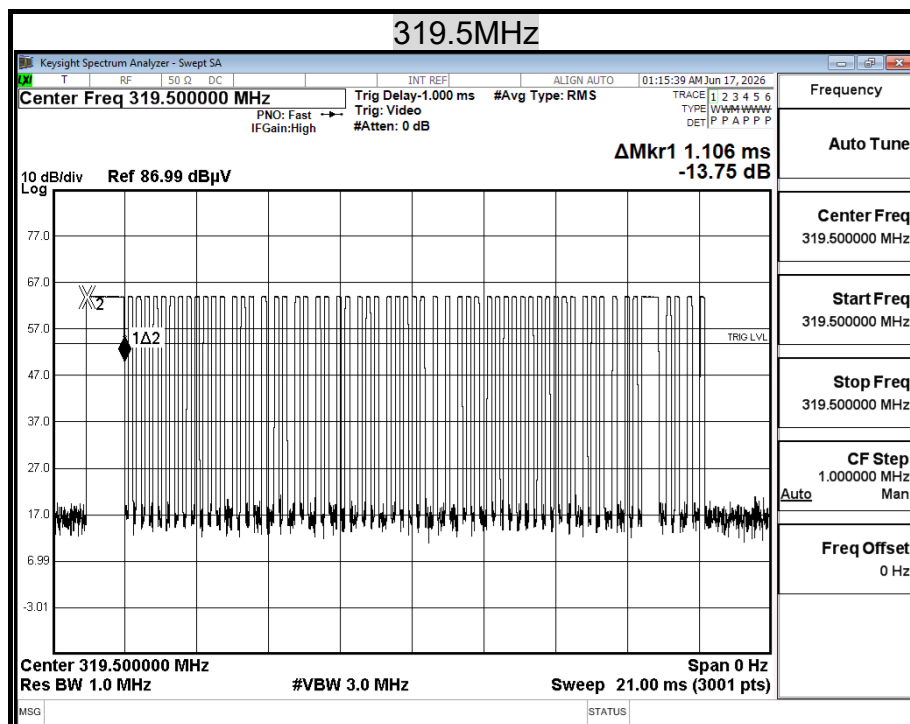
|              |        |
|--------------|--------|
| Ton          | 9.72   |
| TP(Ton+Toff) | 100.00 |
| Duty Cycle   | 0.10   |
| Duty Factor  | -20.24 |

## TEST PLOT

### Ton

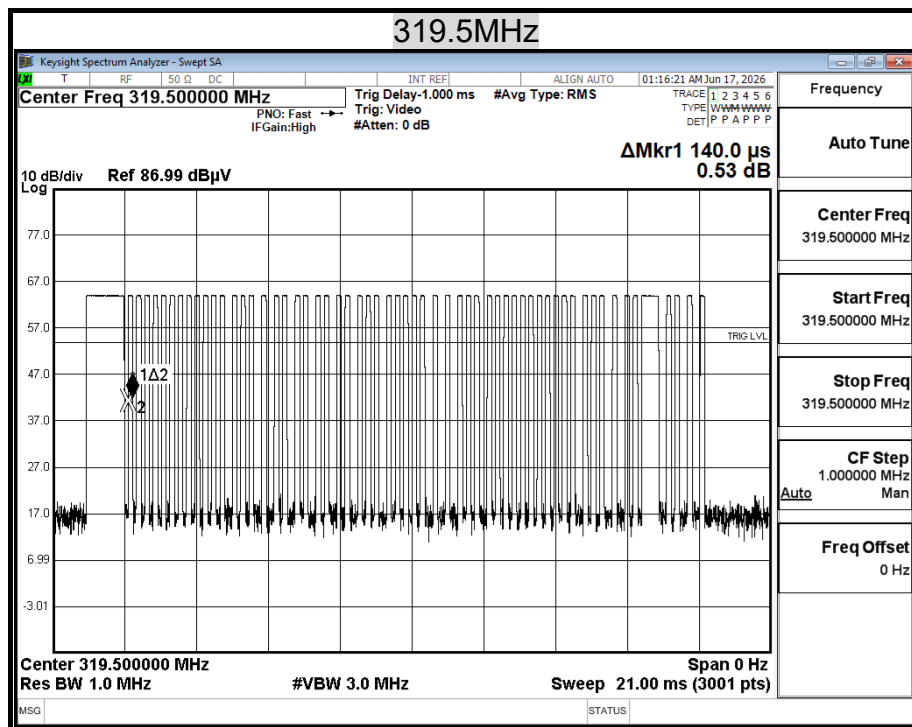


### Ton1

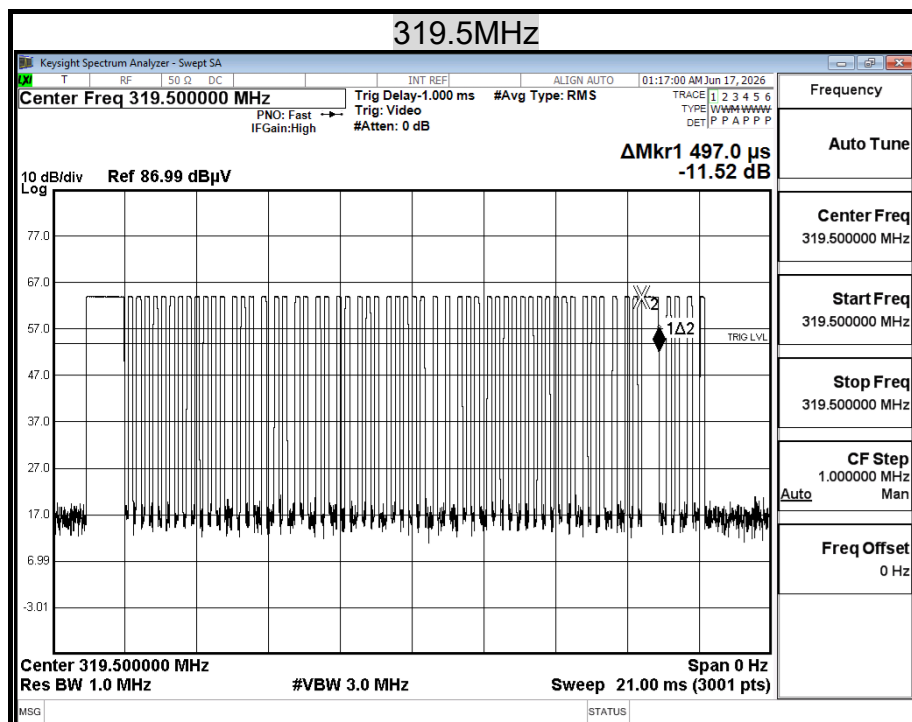


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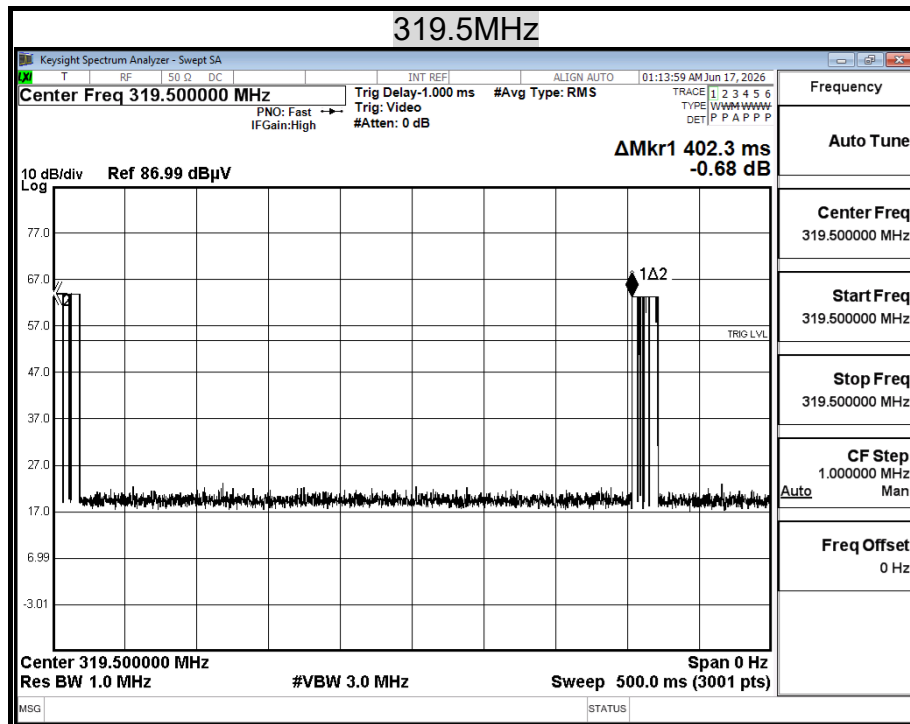
## Ton2



## Ton3



TP



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## 8.5 RADIATED EMISSIONS

### LIMIT

- Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (mV/m) | Field Strength (dBμV/m at 3-meter) | Measurement Distance (m) |
|-----------------|-----------------------|------------------------------------|--------------------------|
| 30-88           | 100*                  | 40                                 | 3                        |
| 88-216          | 150*                  | 43.5                               | 3                        |
| 216-960         | 200*                  | 46                                 | 3                        |
| Above 960       | 500                   | 54                                 | 3                        |

**Remark:** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

- For intentional device, according to § 15.231, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the following table.

| Fundamental Frequency (MHz) | Field Strength of Fundamental (μV/M) | Field Strength of Spurious Emission (μV/M) |
|-----------------------------|--------------------------------------|--------------------------------------------|
| 40.66-40.70                 | 2250                                 | 225                                        |
| 70-130                      | 1250                                 | 125                                        |
| 130-174                     | 1250 to 3750**                       | 125 to 375**                               |
| 174-260                     | 3750                                 | 375                                        |
| 260-470                     | 3750 to 12500**                      | 375 to 1250**                              |
| Above 470                   | 12500                                | 1250                                       |

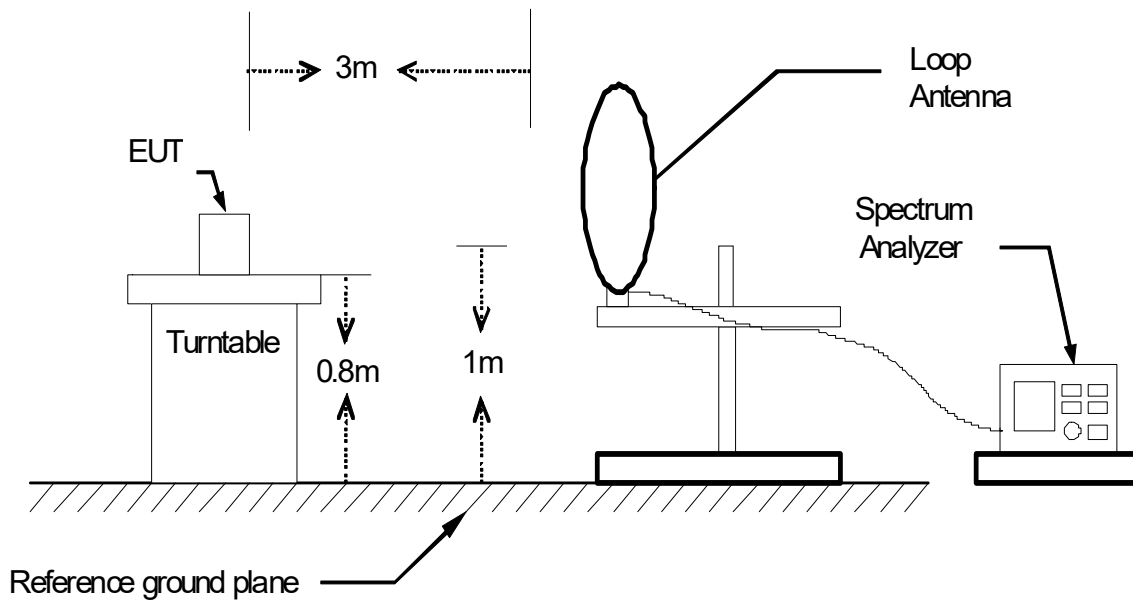
Note :

- “ ※※ ” linear interpolations.
- Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows: for the band 130-174 MHz,  $\mu\text{V/m}$  at 3 meters =  $56.81818(F) - 6136.3636$ ; for the band 260-470 MHz,  $\mu\text{V/m}$  at 3 meters =  $41.6667(F) - 7083.3333$ . The maximum permitted unwanted emission level is 20dB below the maximum permitted fundamental level.
- 319.5MHz Field Strength of Fundamental =  $41.6667 \times 312 - 7083.3333 = 10333.3473 \mu\text{V/m}$   
 $20\log(10333.3473) = 80.28 \text{ dB}\mu\text{V/m}$

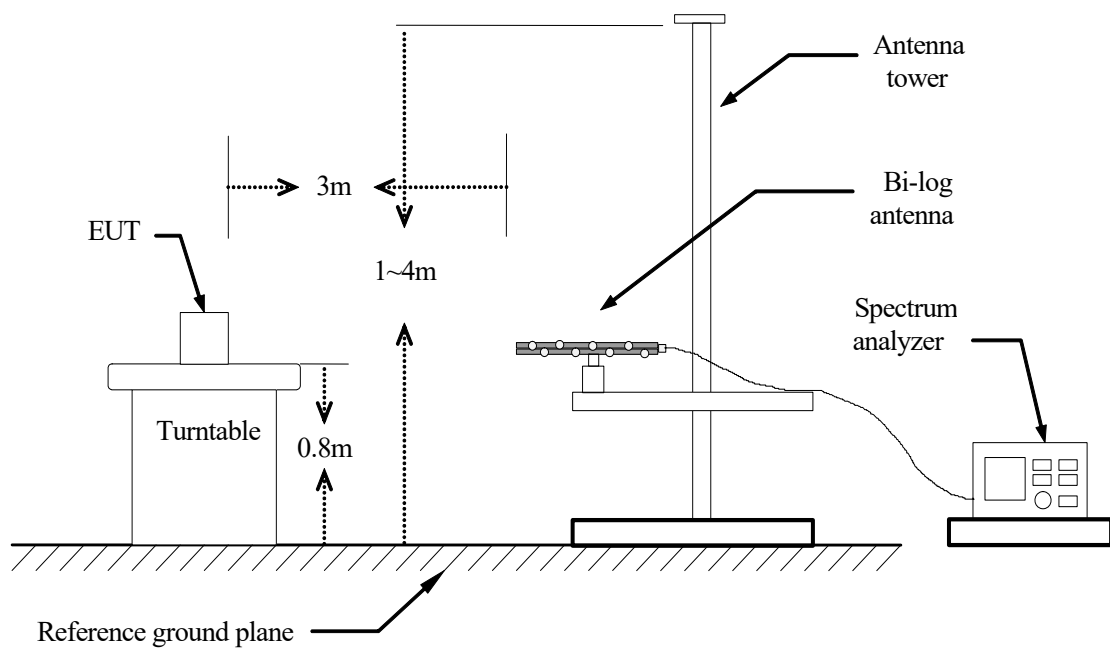
## TEST CONFIGURATION

Below 1 GHz

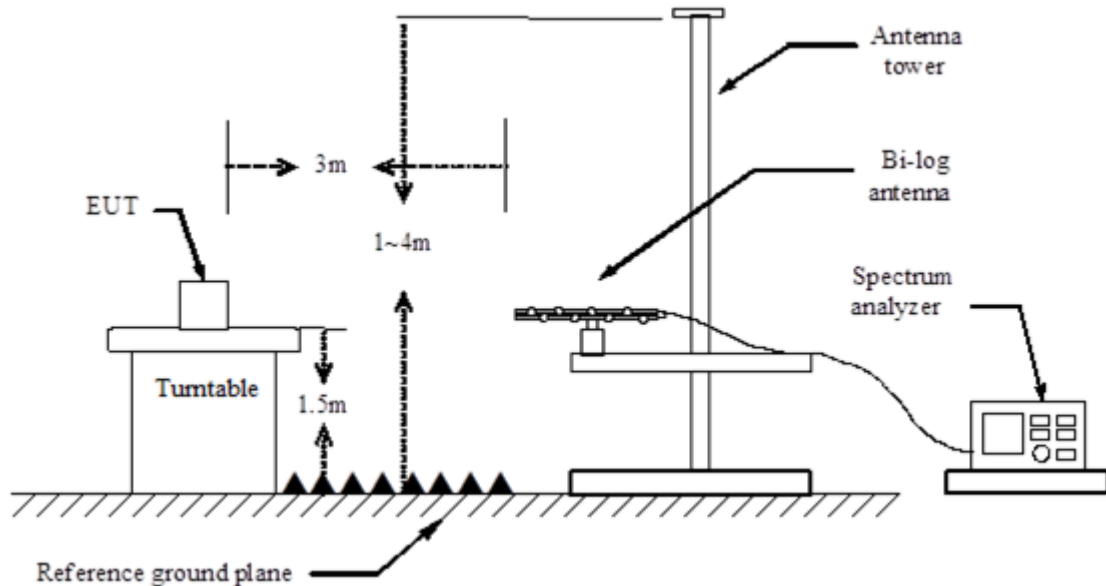
9kHz ~ 30MHz



30MHz ~ 1GHz



## Above 1 GHz



## TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8m/1.5m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Silicon-Labs procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:  
Below 1GHz:  
RBW=100kHz / VBW=300kHz / Sweep=AUTO  
Above 1GHz:  
(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO  
(b) AVERAGE: Peak Level + Duty Factor
7. Repeat above procedures until the measurements for all frequencies are complete.
8. No emission is found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz)
9. Average level=Peak level + Duty factor
10. In order to comply the KDB 41477 requirement, although the test data is done in chamber, there has made the comparison with open site test area, and confirming the data is valid.

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## TEST RESULTS

### Below 1GHz

The fundamental signal

Operation Mode: TX

Test Date: 2026/06/22

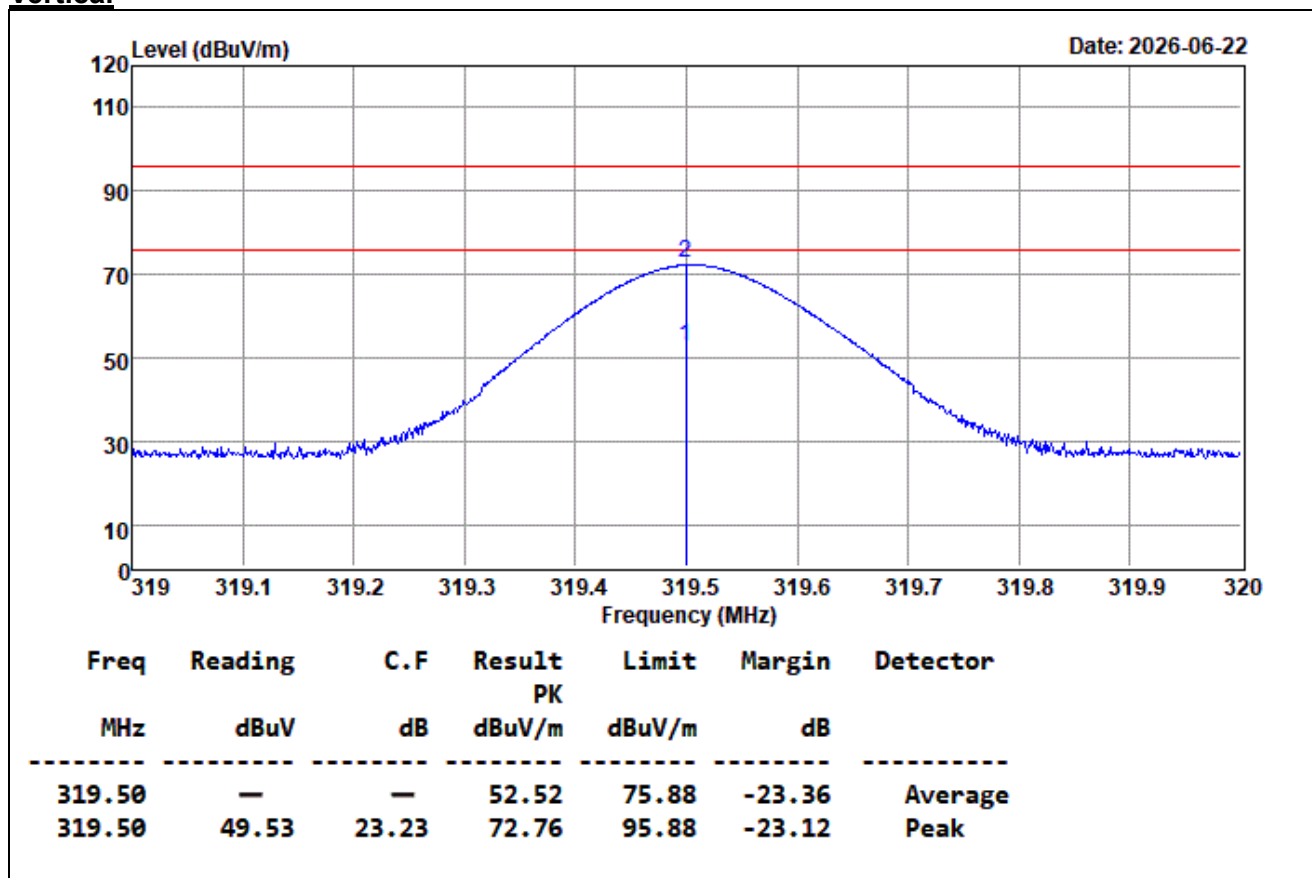
Temperature: 24.5°C

Tested by: Ted.Huang

Humidity: 35% RH

Polarity: Ver.

### Vertical



### Remark:

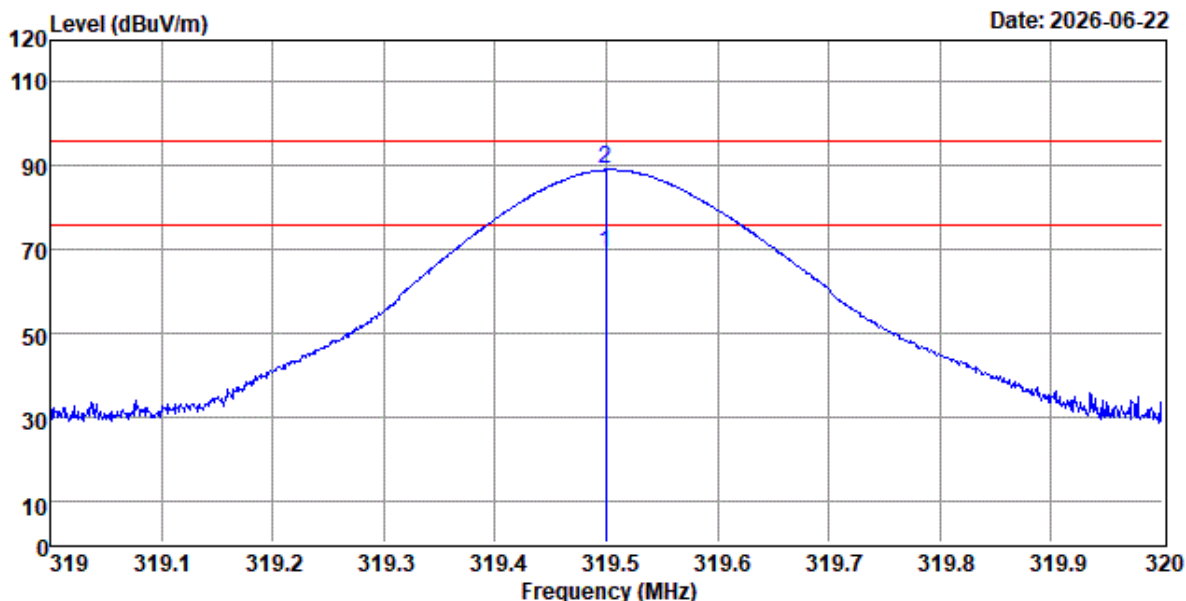
1. Spectrum analyzer setting P(Peak): RBW=100kHz, VBW=300kHz
2. C.F = Antenna Factor + Cable Loss
3. The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
4. The other emission levels were 10dB below the limit
5. The test distance is 3m.
6. Average Result=Peak Result + Duty Factor

Report No.: TMTN2510001131NR

Operation Mode: TX  
Temperature: 24.5°C  
Humidity: 35% RH

Test Date: 2026/06/22  
Tested by: Ted.Huang  
Polarity: Hor.

## Horizontal



| Freq   | Reading | C.F   | Result       | Limit  | Margin | Detector |
|--------|---------|-------|--------------|--------|--------|----------|
| MHz    | dBuV    | dB    | PK<br>dBUV/m | dBUV/m | dB     |          |
| 319.50 | —       | —     | 68.96        | 75.88  | -6.92  | Average  |
| 319.50 | 65.97   | 23.23 | 89.20        | 95.88  | -6.68  | Peak     |

## Remark:

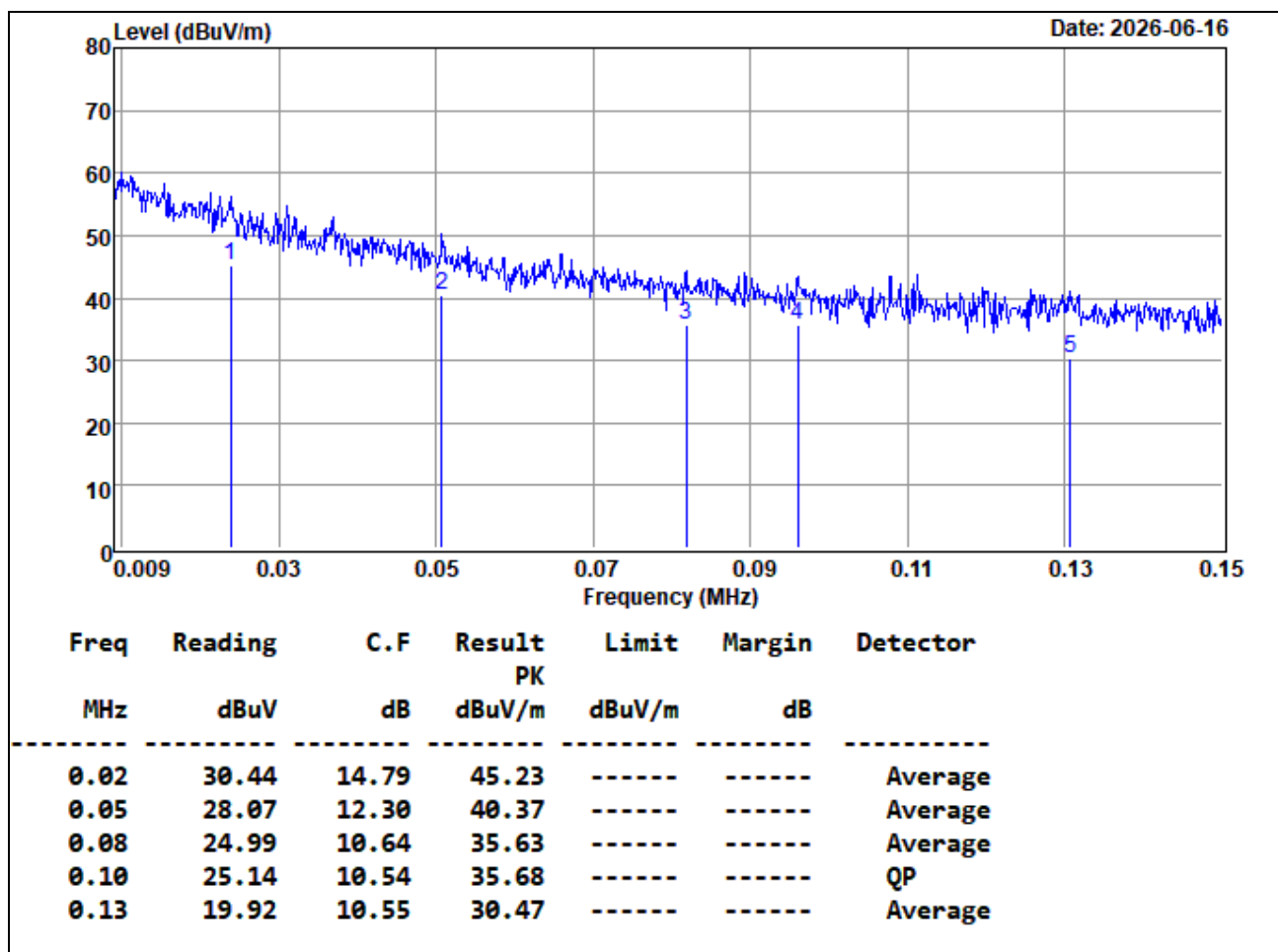
1. Spectrum analyzer setting P(Peak): RBW=100kHz, VBW=300kHz
2. C.F = Antenna Factor + Cable Loss
3. The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
4. The other emission levels were 10dB below the limit
5. The test distance is 3m.
6. Average Result=Peak Result + Duty Factor

Report No.: TMTN2510001131NR

Below 1GHz (9kHz ~ 150kHz)

3m

|              |             |                |            |
|--------------|-------------|----------------|------------|
| Product Name | Fall Sensor | Test Date      | 2026/06/16 |
| Model        | FS319-SL+   | Test By        | Ted Huang  |
| Test Mode    | TX          | TEMP& Humidity | 24.5°C/35% |

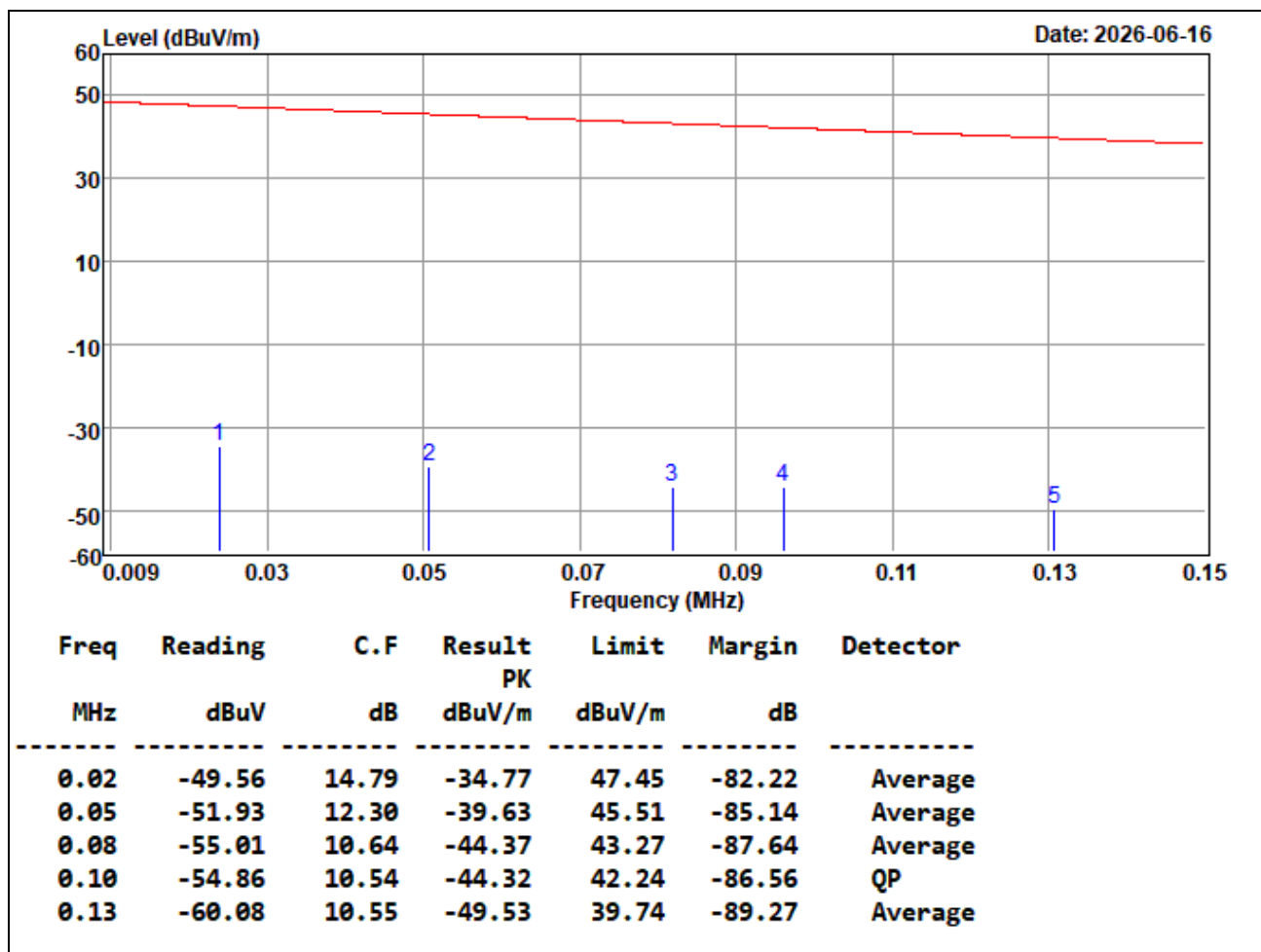


## Remark:

1. Test Receiver setting RBW=200Hz for Quasi-peak detection (QP) and Average detection(AV) at frequency 9~150(kHz).
2. Test Receiver setting RBW=9kHz for Quasi-peak detection (QP) and Average detection(AV) at frequency 0.15~30(MHz).
3. C.F = Antenna Factor + Cable Loss
4. The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
5. The other emission levels were 10dB below the limit
6. The test distance is 3m.

## Standard

|              |             |                |            |
|--------------|-------------|----------------|------------|
| Product Name | Fall Sensor | Test Date      | 2026/06/16 |
| Model        | FS319-SL+   | Test By        | Ted Huang  |
| Test Mode    | TX          | TEMP& Humidity | 24.5°C/35% |



## Remark:

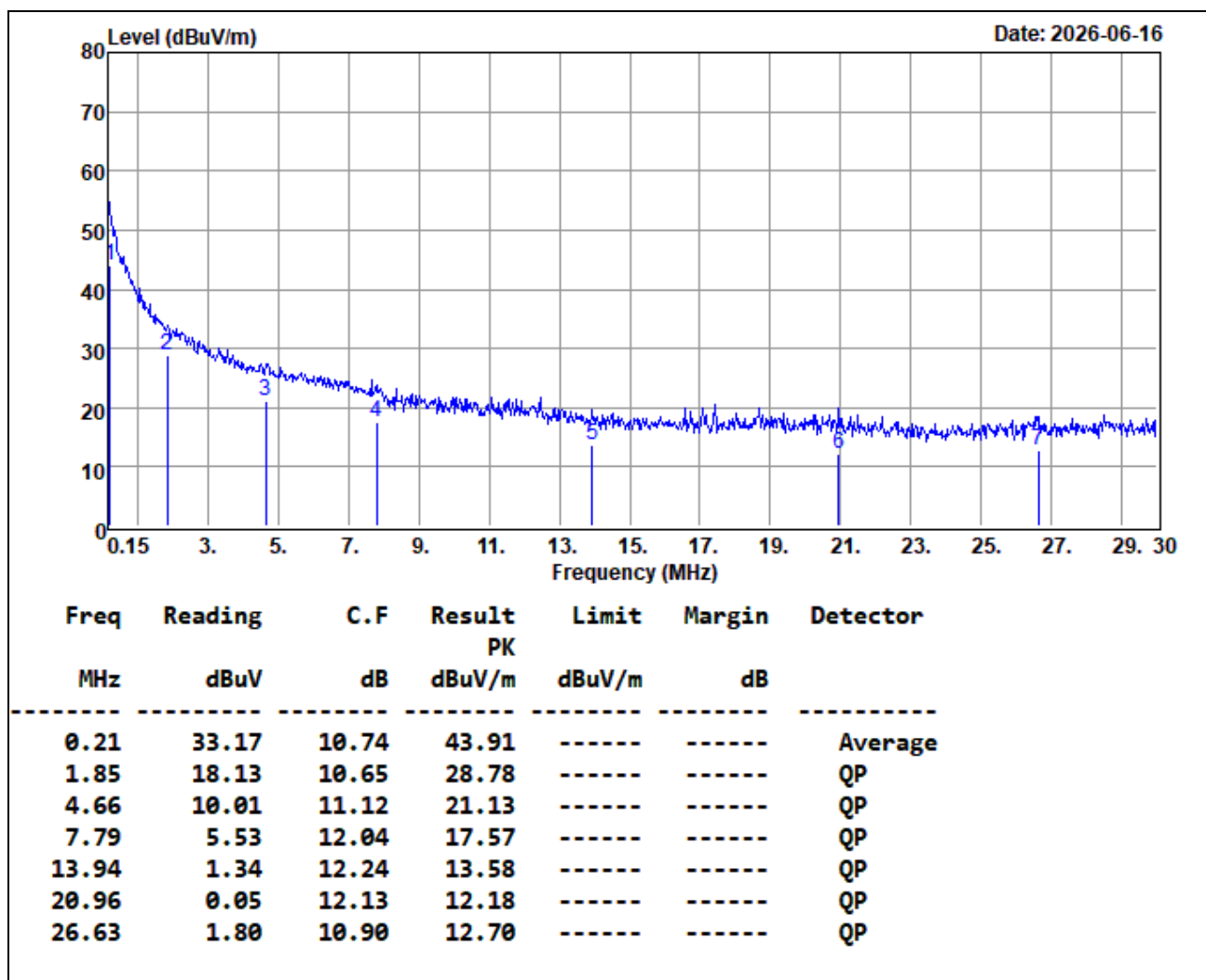
1. Test Receiver setting RBW=200Hz for Quasi-peak detection (QP) and Average detection(AV) at frequency 9~150(kHz).
2. Test Receiver setting RBW=9kHz for Quasi-peak detection (QP) and Average detection(AV) at frequency 0.15~30(MHz).
3. C.F = Antenna Factor + Cable Loss
4. The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
5. The other emission levels were 10dB below the limit
6. The test distance is 3m.

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Below 1GHz (0.15MHz ~ 30MHz)

3m

|              |             |                |            |
|--------------|-------------|----------------|------------|
| Product Name | Fall Sensor | Test Date      | 2026/06/16 |
| Model        | FS319-SL+   | Test By        | Ted Huang  |
| Test Mode    | TX          | TEMP& Humidity | 24.5°C/35% |

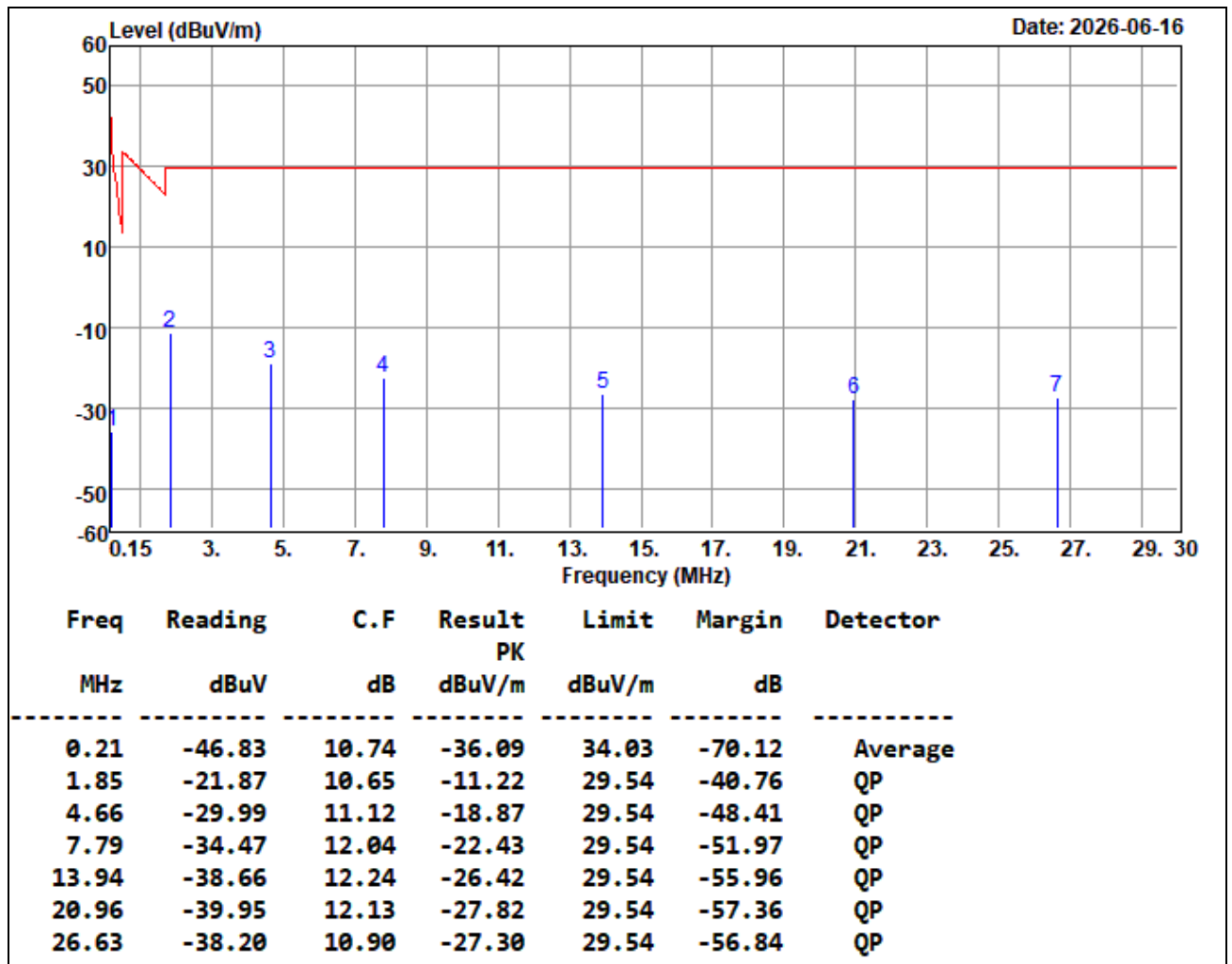


**Remark:**

- 1.Test Receiver setting RBW=200Hz for Quasi-peak detection (QP) and Average detection(AV) at frequency 9~150(kHz).
- 2.Test Receiver setting RBW=9kHz for Quasi-peak detection (QP) and Average detection(AV) at frequency 0.15~30(MHz).
- 3.C.F = Antenna Factor + Cable Loss
- 4.The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
- 5.The other emission levels were 10dB below the limit
- 6.The test distance is 3m.

## Standard

|              |             |                |            |
|--------------|-------------|----------------|------------|
| Product Name | Fall Sensor | Test Date      | 2026/06/16 |
| Model        | FS319-SL+   | Test By        | Ted Huang  |
| Test Mode    | TX          | TEMP& Humidity | 24.5°C/35% |



### Remark:

1. Test Receiver setting RBW=200Hz for Quasi-peak detection (QP) and Average detection(AV) at frequency 9~150(kHz).
2. Test Receiver setting RBW=9kHz for Quasi-peak detection (QP) and Average detection(AV) at frequency 0.15~30(MHz).
3. C.F = Antenna Factor + Cable Loss
4. The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
5. The other emission levels were 10dB below the limit
6. The test distance is 3m.

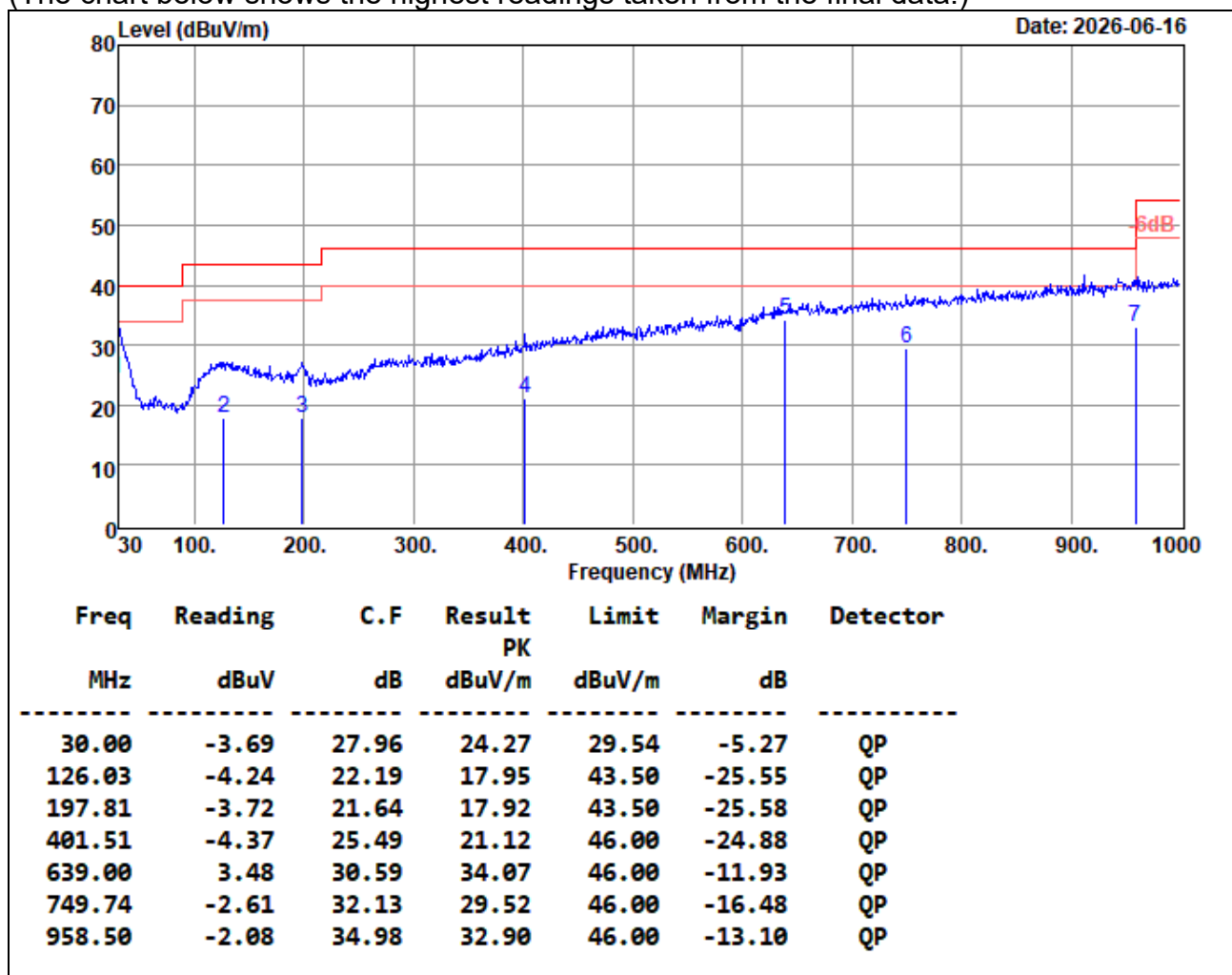
Report No.: TMTN2510001131NR

Below 1GHz (30MHz ~ 1GHz)

|              |             |                |            |
|--------------|-------------|----------------|------------|
| Product Name | Fall Sensor | Test Date      | 2026/06/16 |
| Model        | FS319-SL+   | Test By        | Ted Huang  |
| Test Mode    | TX          | TEMP& Humidity | 24.5°C/35% |

## Vertical

(The chart below shows the highest readings taken from the final data.)



## Remark:

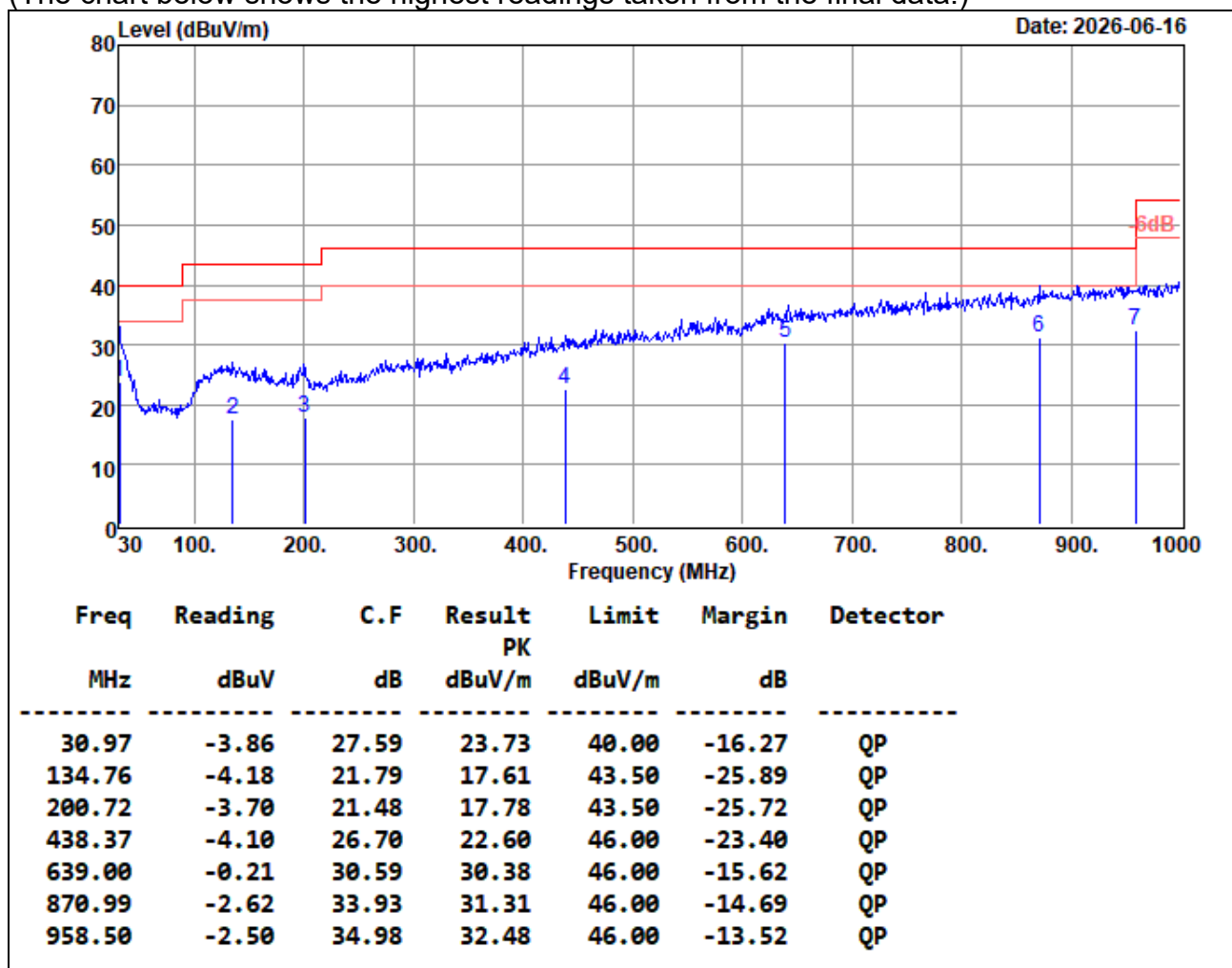
- 1.Test Receiver setting RBW=200Hz for Quasi-peak detection (QP) and Average detection(AV) at frequency 9~150(kHz).
- 2.Test Receiver setting RBW=9kHz for Quasi-peak detection (QP) and Average detection(AV) at frequency 0.15~30(MHz).
- 3.C.F = Antenna Factor + Cable Loss
- 4.The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
- 5.The other emission levels were 10dB below the limit
- 6.The test distance is 3m.

Report No.: TMTN2510001131NR

|              |             |                |            |
|--------------|-------------|----------------|------------|
| Product Name | Fall Sensor | Test Date      | 2026/06/16 |
| Model        | FS319-SL+   | Test By        | Ted Huang  |
| Test Mode    | TX          | TEMP& Humidity | 24.5°C/35% |

## Horizontal

(The chart below shows the highest readings taken from the final data.)



## Remark:

1. Test Receiver setting RBW=200Hz for Quasi-peak detection (QP) and Average detection(AV) at frequency 9~150(kHz).
2. Test Receiver setting RBW=9kHz for Quasi-peak detection (QP) and Average detection(AV) at frequency 0.15~30(MHz).
3. C.F = Antenna Factor + Cable Loss
4. The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
5. The other emission levels were 10dB below the limit
6. The test distance is 3m.

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## Above 1 GHz

Operation Mode: TX

Test Date: 2026/06/16

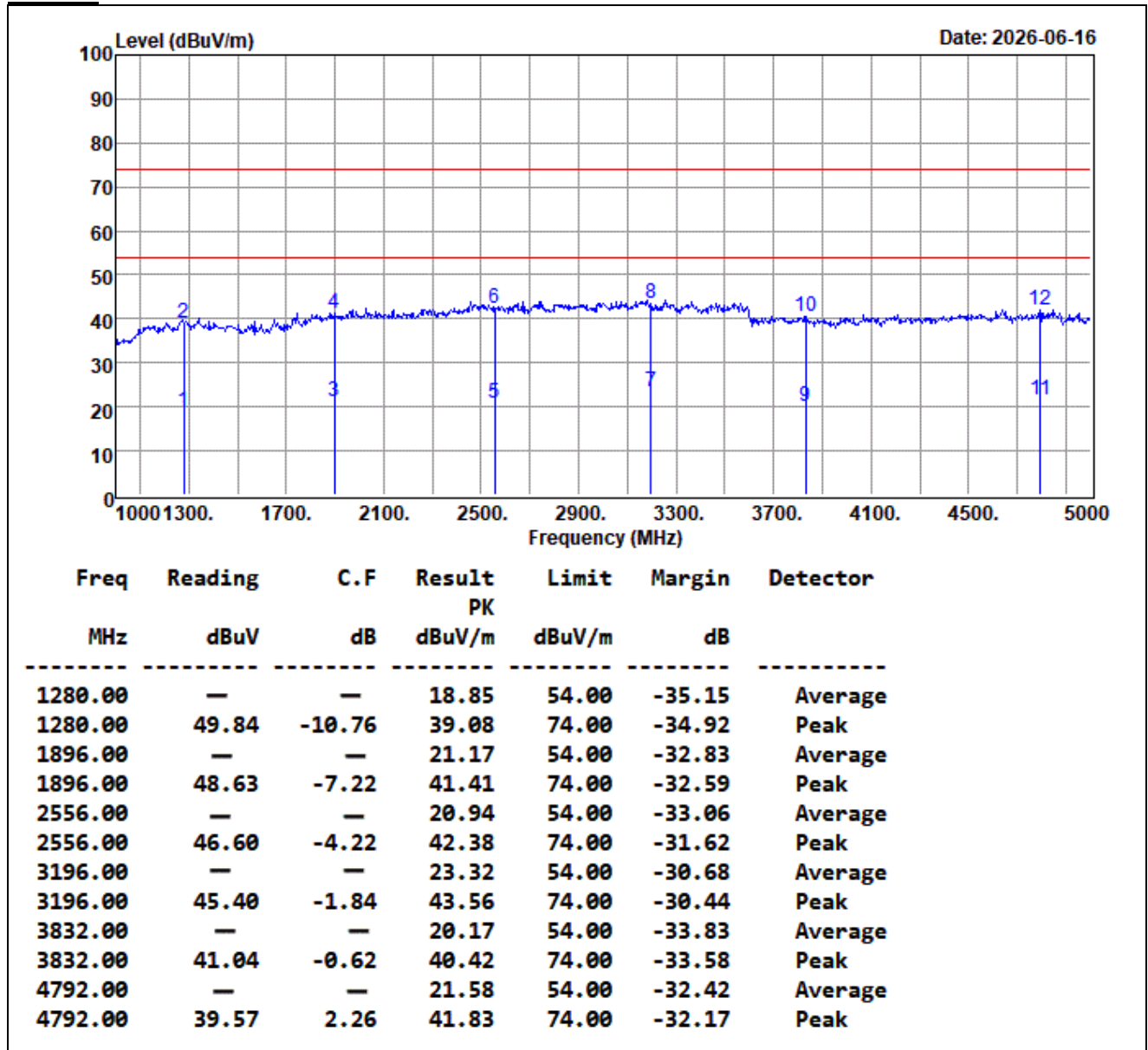
Temperature: 24.5°C

Tested by: Ted.Huang

Humidity: 35% RH

Polarity: Ver.

## Vertical



### Remark:

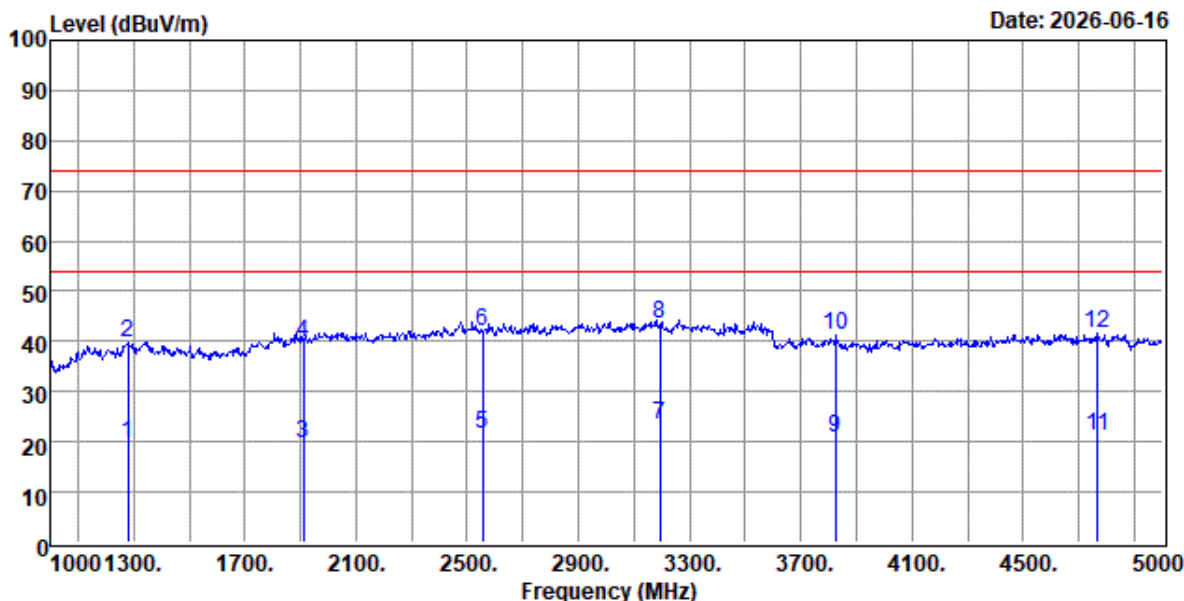
1. Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=3MHz
2. C.F = Antenna Factor + Cable Loss + Filter Loss - Amp Gain
3. The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
4. The other emission levels were 10dB below the limit
5. The test distance is 3m.
6. Average Result=Peak Result + Duty Factor

Report No.: TMTN2510001131NR

Operation Mode: TX  
Temperature: 24.5°C  
Humidity: 35% RH

Test Date: 2026/06/16  
Tested by: Ted.Huang  
Polarity: Hor.

## Horizontal



| Freq    | Reading | C.F    | Result       | Limit  | Margin | Detector |
|---------|---------|--------|--------------|--------|--------|----------|
| MHz     | dBuV    | dB     | PK<br>dBUV/m | dBUV/m | dB     |          |
| 1280.00 | —       | —      | 19.59        | 54.00  | -34.41 | Average  |
| 1280.00 | 50.58   | -10.76 | 39.82        | 74.00  | -34.18 | Peak     |
| 1912.00 | —       | —      | 19.67        | 54.00  | -34.33 | Average  |
| 1912.00 | 47.06   | -7.16  | 39.90        | 74.00  | -34.10 | Peak     |
| 2556.00 | —       | —      | 21.68        | 54.00  | -32.32 | Average  |
| 2556.00 | 46.14   | -4.22  | 41.92        | 74.00  | -32.08 | Peak     |
| 3192.00 | —       | —      | 23.37        | 54.00  | -30.63 | Average  |
| 3192.00 | 45.42   | -1.81  | 43.61        | 74.00  | -30.39 | Peak     |
| 3824.00 | —       | —      | 20.89        | 54.00  | -33.11 | Average  |
| 3824.00 | 41.75   | -0.62  | 41.13        | 74.00  | -32.87 | Peak     |
| 4768.00 | —       | —      | 21.29        | 54.00  | -32.71 | Average  |
| 4768.00 | 39.57   | 1.97   | 41.54        | 74.00  | -32.46 | Peak     |

## Remark:

1. Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=3MHz
2. C.F = Antenna Factor + Cable Loss + Filter Loss - Amp Gain
3. The result basic equation calculation is as follow:  
Result = Reading + C.F, Margin = Result - Limit
4. The other emission levels were 10dB below the limit
5. The test distance is 3m.
6. Average Result=Peak Result + Duty Factor

Report No.: TMTN2510001131NR

## 8.6 POWERLINE CONDUCTED EMISSIONS

### LIMIT

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

| Frequency Range (MHz) | Limits (dB $\mu$ V) |          |
|-----------------------|---------------------|----------|
|                       | Quasi-peak          | Average  |
| 0.15 to 0.50          | 66 to 56            | 56 to 46 |
| 0.50 to 5             | 56                  | 46       |
| 5 to 30               | 60                  | 50       |

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

### MEASUREMENT EQUIPMENT USED

| Conducted Emission room #1 |              |       |               |                 |
|----------------------------|--------------|-------|---------------|-----------------|
| Name of Equipment          | Manufacturer | Model | Serial Number | Calibration Due |
| -                          | -            | -     | -             | -               |
| -                          | -            | -     | -             | -               |
| -                          | -            | -     | -             | -               |
| -                          | -            | -     | -             | -               |
| -                          | -            | -     | -             | -               |
| Software                   | -            |       |               |                 |

**Remark:** Each piece of equipment is scheduled for calibration once a year.

### TEST RESULTS

✘ This EUT is not connected to AC Source directly. No applicability for this test.

**=== END of Report ===**