

# TEST REPORT

**Application No.:** KSCR2606001555AT  
**FCC ID:** 2BHFB-ACE2-04  
**Applicant:** Inlumen Technologies Co., Ltd.  
**Address of Applicant:** Room 806, A1, Phase 3, Innovation Industrial Park, High-tech Zone, Hefei City, Anhui Province, China.  
**Manufacturer:** Inlumen Technologies Co., Ltd.  
**Address of Manufacturer:** Room 806, A1, Phase 3, Innovation Industrial Park, High-tech Zone, Hefei City, Anhui Province, China.  
**Factory:** ImTorch Innovation Technology Co., Ltd.  
**Address of Factory:** Room 301, 3rd Floor, Building A, No. 1777, Jimingshan Road, Chengxiqiao Community Service Center, High-tech Zone, Hefei City, Anhui Province, China.

## Equipment Under Test (EUT):

**EUT Name:** ACE 2 Thermal Imaging Scope  
**Model No.:** ACE 2 H50R, ACE 2 H35R, ACE 2 S60R ♣  
 ♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.  
**Trade Mark:** Nocpix  
**Standard(s) :** 47 CFR Part 15, Subpart C 15.247  
**Date of Receipt:** 2026-06-25  
**Date of Test:** 2026-08-11 to 2026-08-19  
**Date of Issue:** 2026-08-19

|                     |              |
|---------------------|--------------|
| <b>Test Result:</b> | <b>Pass*</b> |
|---------------------|--------------|

\* In the configuration tested, the EUT complied with the standards specified above.

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



| Revision Record |             |            |        |
|-----------------|-------------|------------|--------|
| Version         | Description | Date       | Remark |
| 00              | Original    | 2026-08-19 | /      |
|                 |             |            |        |
|                 |             |            |        |

|                          |  |                                                                                     |  |
|--------------------------|--|-------------------------------------------------------------------------------------|--|
| Authorized for issue by: |  |                                                                                     |  |
| Prepared By              |  |    |  |
|                          |  | Eric_Liu/Project Engineer                                                           |  |
| Approved By              |  |  |  |
|                          |  | Terry Hou /Reviewer                                                                 |  |

## 2 Test Summary

| Radio Spectrum Technical Requirement |                                  |        |                                                 |        |          |
|--------------------------------------|----------------------------------|--------|-------------------------------------------------|--------|----------|
| Item                                 | Standard                         | Method | Requirement                                     | Result | Test Lab |
| Antenna Requirement                  | 47 CFR Part 15, Subpart C 15.247 | N/A    | 47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4) | Pass   | Lab A    |

| Radio Spectrum Matter Part                            |                                  |                                                    |                                           |        |          |
|-------------------------------------------------------|----------------------------------|----------------------------------------------------|-------------------------------------------|--------|----------|
| Item                                                  | Standard                         | Method                                             | Requirement                               | Result | Test Lab |
| Conducted Emissions at AC Power Line (150kHz-30MHz)   | 47 CFR Part 15, Subpart C 15.247 | ANSI C63.10-2020+Cor.1-2023 Section 6.2            | 47 CFR Part 15, Subpart C 15.207          | Pass   | Lab A    |
| Radiated Emissions which fall in the restricted bands |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.10.5 & 11.12 | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass   | Lab B    |
| Radiated Spurious Emissions Below 1GHz                |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.4,6.5        | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass   | Lab B    |
| Radiated Spurious Emissions Above 1GHz                |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.6 & 11.12    | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass   | Lab B    |
| Maximum Conducted Output Power                        |                                  | ANSI C63.10-2020+Cor.1-2023 Section 11.9.1         | 47 CFR Part 15, Subpart C 15.247(b)(3)    | Pass   | Lab A    |
| Minimum 6dB Bandwidth                                 |                                  | ANSI C63.10-2020+Cor.1-2023 Section 11.8.1         | 47 CFR Part 15, Subpart C 15.247a(2)      | Pass   | Lab A    |
| Power Spectral Density                                |                                  | ANSI C63.10-2020+Cor.1-2023 Section 11.10.2        | 47 CFR Part 15, Subpart C 15.247(e)       | Pass   | Lab A    |
| Conducted Band Edges Measurement                      |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.10.4         | 47 CFR Part 15, Subpart C 15.247(d)       | Pass   | Lab A    |
| Conducted Spurious Emissions                          |                                  | ANSI C63.10-2020+Cor.1-2023 Section 11.11          | 47 CFR Part 15, Subpart C 15.247(d)       | Pass   | Lab A    |

Model No.: ACE 2 H50R, ACE 2 H35R, ACE 2 S60R

Only the model ACE 2 S60R was tested.

Differences between the ACE 2 H35R and the ACE 2 S60R:

1. Lens: The ACE 2 H35R uses a 35 mm chalcogenide lens; the ACE 2 S60R uses a 60 mm germanium lens.
2. Infrared chips: The ACE 2 H35R uses the G2-640S core; the ACE 2 S60R uses the G21280L core.
3. The connection board between the infrared chip and the motherboard is different.

Differences between the ACE 2 H35R and the ACE 2 H50R:

1. Lens: The ACE 2 H35R uses a 35 mm chalcogenide lens; the ACE 2 H50R uses a 50 mm chalcogenide



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lens.

The series models mentioned in the report have completely identical electrical performance. Evaluated EMC differential testing without affecting RF performance.

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## 4 General Information

### 4.1 Details of E.U.T.

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply:        | DC 3.6V by battery                                                                                                                               |
| Test Voltage:        | AC 120V/60Hz                                                                                                                                     |
| Operation Frequency: | 802.11b/g/n(HT20)/ax(HEW20): 2412MHz to 2462MHz;802.11n(HT40)/ax(HEW40): 2422MHz to 2452MHz                                                      |
| Modulation Type:     | 802.11b: DSSS (DBPSK, DQPSK, CCK); 802.11g/n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM); 802.11ax: OFDMA (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM) |
| Number of Channels:  | 802.11b/g/n(HT20)/ax(HEW20):11;802.11n(HT40)/ax(HEW40):7                                                                                         |
| Channel Spacing:     | 5MHz                                                                                                                                             |
| Antenna Type:        | FPC Antenna                                                                                                                                      |
| Antenna Gain:        | -2.97dBi (Provided by the manufacturer)                                                                                                          |

### 4.2 Power level setting using in test

| channel | 11b | 11g | 11n20 | 11n40 | 11ax20 | 11ax40 |
|---------|-----|-----|-------|-------|--------|--------|
| 1       | 13  | 14  | 14    | /     | 13     | /      |
| 6       | 14  | 14  | 14    | /     | 13     | /      |
| 11      | 15  | 14  | 14    | /     | 13     | /      |
| 3       | /   | /   | /     | 13    | /      | 14     |
| 6       | /   | /   | /     | 13    | /      | 13     |
| 9       | /   | /   | /     | 14    | /      | 13     |

### 4.3 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|-------------|--------------|-----------|------------|
| Notebook    | LENOVO       | K27       | EB24537645 |
| AC Adapter  | DVE          | --        | --         |

#### 4.4 Measurement Uncertainty

##### Lab A:

| No. | Item                            | Measurement Uncertainty                                                                |
|-----|---------------------------------|----------------------------------------------------------------------------------------|
| 1   | Radio Frequency                 | $8.4 \times 10^{-8}$                                                                   |
| 2   | Timeout                         | 2s                                                                                     |
| 3   | Duty Cycle                      | 0.37%                                                                                  |
| 4   | Occupied Bandwidth              | 3%                                                                                     |
| 5   | RF Conducted Power              | 0.6dB                                                                                  |
| 6   | RF Power Density                | 2.9dB                                                                                  |
| 7   | Conducted Spurious Emissions    | 0.75dB                                                                                 |
| 8   | RF Radiated Power               | 5.2dB (Below 1GHz)<br>5.9dB (Above 1GHz)                                               |
| 9   | Radiated Spurious Emission Test | 4.2dB (Below 30MHz)<br>4.5dB (30MHz-1GHz)<br>5.1dB (1GHz-18GHz)<br>5.4dB (Above 18GHz) |
| 10  | Temperature Test                | 1°C                                                                                    |
| 11  | Humidity Test                   | 3%                                                                                     |
| 12  | Supply Voltages                 | 1.5%                                                                                   |
| 13  | Time                            | 3%                                                                                     |

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

##### Lab B:

| No. | Item              | Measurement Uncertainty                                                                                                                       |
|-----|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | RF Radiated power | $\pm 1.56\text{dB}$ (9KHz-30MHz)<br>$\pm 4.80\text{dB}$ (30MHz-1GHz)<br>$\pm 4.80\text{dB}$ (1GHz-18GHz)<br>$\pm 4.80\text{dB}$ (18GHz-40GHz) |
| 2   | Temperature test  | $\pm 1^\circ\text{C}$                                                                                                                         |
| 3   | Humidity test     | $\pm 3\%$                                                                                                                                     |
| 4   | Supply voltages   | $\pm 1\%$                                                                                                                                     |
| 5   | Time              | $\pm 3\%$                                                                                                                                     |

Remark:  
The  $U_{\text{lab}}$  (lab Uncertainty) is less than  $U_{\text{CISPR/ETSI}}$  (CISPR/ETSI Uncertainty), so the test results  
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;  
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

## 4.5 Test Location

### Test Lab A:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

### Test Lab B:

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu)  
Pilot Free Trade Zone

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).
3. Sample source: sent by customer.

#### 4.6 Test Facility

##### Test Lab A:

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 2541.01)**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA).

- **FCC (Designation Number: CN1172)**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory.

- **ISED (CAB Identifier: CN0072)**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E

- **VCCI (Member No:1938)**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

##### Test Lab B:

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. is accredited by the American Association for Laboratory Accreditation (A2LA).

- **FCC (Designation Number: CN1312)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory. Test Firm Registration Number: 717327

- **ISED (CAB Identifier: CN0120)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 27594

#### 4.7 Deviation from Standards

None

#### 4.8 Abnormalities from Standard Conditions

None

## 5 Equipment List

### Test Lab A:

| Item                                         | Equipment                            | Manufacturer  | Model        | Inventory No          | Cal Date   | Cal. Due Date |
|----------------------------------------------|--------------------------------------|---------------|--------------|-----------------------|------------|---------------|
| <b>Conducted Emission at Mains Terminals</b> |                                      |               |              |                       |            |               |
| 1                                            | EMI Test Receive                     | R&S           | ESCI         | KS301196              | 07/06/2026 | 07/05/2027    |
| 2                                            | LISN                                 | R&S           | ENV216       | KS301197              | 01/08/2026 | 01/07/2027    |
| 3                                            | LISN                                 | Schwarzbeck   | NNLK 8129    | KS301091              | 01/08/2026 | 01/07/2027    |
| 4                                            | Pulse Limiter                        | R&S           | ESH3-Z2      | KUS1902E001           | 12/18/2025 | 12/17/2026    |
| 5                                            | CE test Cable                        | Thermax       | /            | CZ301102              | 12/18/2025 | 12/17/2026    |
| 6                                            | Software                             | Faratronic    | E3           | /                     | N.C.R      | N.C.R         |
| <b>RF Conducted Test</b>                     |                                      |               |              |                       |            |               |
| 1                                            | Spectrum Analyzer                    | Keysight      | N9020A       | KUS1911E004-2         | 07/07/2026 | 07/06/2027    |
| 2                                            | Spectrum Analyzer                    | Keysight      | N9020A       | KUS2001M001-2         | 07/07/2026 | 07/06/2027    |
| 3                                            | Spectrum Analyzer                    | Keysight      | N9030B       | KSEM021-1             | 12/17/2025 | 12/16/2026    |
| 4                                            | Signal Generator                     | R&S           | SMBV100B     | KSEM032               | 12/17/2025 | 12/16/2026    |
| 5                                            | Signal Generator                     | R&S           | SMW200A      | KSEM020-1             | 07/07/2026 | 07/06/2027    |
| 6                                            | Signal Generator                     | Agilent       | N5182A       | KUS2001M001-1         | 07/07/2026 | 07/06/2027    |
| 7                                            | Signal Generator                     | Agilent       | E8257C       | KS301066              | 07/07/2026 | 07/06/2027    |
| 8                                            | Radio Communication Test Station     | Anritsu       | MT8000A      | KSEM001-1             | 07/07/2026 | 07/06/2027    |
| 9                                            | Radio Communication Analyzer         | Anritsu       | MT8821C      | KSEM002-1             | 12/17/2025 | 12/16/2026    |
| 10                                           | Universal Radio Communication Tester | R&S           | CMW500       | KUS1911E004-1         | 07/07/2026 | 07/06/2027    |
| 11                                           | Switcher                             | TST           | FY562        | KUS2001M001-4         | 12/17/2025 | 12/16/2026    |
| 12                                           | Conducted Test Cable                 | Thermax       | RF01-RF04    | CZ301111-<br>CZ301120 | 12/17/2025 | 12/16/2026    |
| 13                                           | Temp. / Humidity Chamber             | TERCHY        | MHK-120AK    | KS301190              | 07/07/2026 | 07/06/2027    |
| 14                                           | Temperature & Humidity Recorder      | Renke Control | RS-WS-N01-6J | KSEM024-5             | 12/30/2025 | 12/29/2026    |
| 15                                           | Software                             | BST           | TST-PASS     | /                     | NCR        | NCR           |

### Test Lab B:

|                         |                       |                                   |            |               |            |            |
|-------------------------|-----------------------|-----------------------------------|------------|---------------|------------|------------|
| <b>RF Radiated Test</b> |                       |                                   |            |               |            |            |
| 1                       | Semi-Anechoic Chamber | Brilliant-emc                     | N/A        | SUWI-04-02-01 | 2026/6/9   | 2029/6/8   |
| 2                       | Signal Analyzer       | ROHDE&SCHWARZ                     | FSW43      | SUWI-01-02-04 | 2026/1/14  | 2027/1/13  |
| 3                       | Signal Analyzer       | KEYSIGHT                          | N9020A     | SUWI-01-02-09 | 2025/11/21 | 2026/11/20 |
| 4                       | Test receiver         | ROHDE&SCHWARZ                     | ESR7       | SUWI-01-10-01 | 2026/1/14  | 2027/1/13  |
| 5                       | Signal Generator      | ROHDE&SCHWARZ                     | SMW100A    | SUWI-01-18-01 | 2026/1/14  | 2027/1/13  |
| 6                       | Receiving antenna     | SCHWRZBECK<br>MESS-<br>ELEKTRONIK | VULB 9168  | SUWI-01-11-04 | 2025/9/10  | 2027/9/9   |
| 7                       | Receiving antenna     | SCHWRZBECK<br>MESS-<br>ELEKTRONIK | BBHA 9120D | SUWI-01-11-02 | 2025/5/7   | 2027/5/6   |
| 8                       | Receiving antenna     | SCHWRZBECK<br>MESS-<br>ELEKTRONIK | BBHA 9170  | SUWI-01-11-03 | 2025/5/7   | 2027/5/6   |
| 9                       | Active Loop Antenna   | SCHWRZBECK<br>MESS-<br>ELEKTRONIK | FMZB 1519B | SUWI-01-21-01 | 2025/5/7   | 2027/5/6   |
| 10                      | Amplifier             | Tonscend                          | TAP9K3G40  | SUWI-01-14-01 | 2026/1/14  | 2027/1/13  |

|    |                                     |               |                 |               |            |            |
|----|-------------------------------------|---------------|-----------------|---------------|------------|------------|
| 11 | Amplifier                           | Tonscend      | TAP01018050     | SUWI-01-14-02 | 2026/1/14  | 2027/1/13  |
| 12 | Amplifier                           | Tonscend      | TAP18040048     | SUWI-01-14-03 | 2026/1/14  | 2027/1/13  |
| 13 | Wideband Radio Communication Tester | Anritsu       | MT8820C         | SUWI-01-26-01 | 2025/11/21 | 2026/11/20 |
| 14 | Wideband Radio Communication Tester | Anritsu       | MT8821C         | SUWI-01-26-03 | 2025/8/25  | 2026/8/24  |
| 15 | Wideband Radio Communication Tester | ROHDE&SCHWARZ | CMW500          | SUWI-01-16-09 | 2025/8/26  | 2026/8/25  |
| 16 | Radio Communication Analyzer        | StarPoint     | SP9500E         | SUWI-01-28-02 | 2025/11/21 | 2026/11/20 |
| 17 | Signal Generator                    | ROHDE&SCHWARZ | SMB100A         | SUWI-01-08-01 | 2026/1/14  | 2027/1/13  |
| 18 | DC Power Supply                     | HYELEC        | HY3005B         | SUWI-01-18-01 | 2026/1/14  | 2027/1/13  |
| 19 | Temperature and humidity meter      | MingGao       | TH101B          | SUWI-01-01-05 | 2026/2/11  | 2027/2/10  |
| 20 | Measurement Software                | Tonscend      | JS32-RE 4.0.0.0 | SUWI-02-09-06 | NCR        | NCR        |
| 21 | RF Control unit                     | Tonscend      | JS0806-1        | SUWI-02-20-01 | NCR        | NCR        |
| 22 | RFCables                            | Tonscend      | NA              | SUWI-01-03-02 | 2026/1/15  | 2027/1/14  |

## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

#### 6.1.2 Conclusion

Standard Requirement:

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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

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

EUT Antenna:

The antenna is FPC Antenna and no consideration of replacement. The best case gain of the antenna is -2.97 dBi.

Antenna location: Refer to internal photo.

## 7 Radio Spectrum Matter Test Results

### 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.2

Limit:

| Frequency of emission(MHz)                                             | Conducted limit(dBμV) |           |
|------------------------------------------------------------------------|-----------------------|-----------|
|                                                                        | Quasi-peak            | Average   |
| 0.15-0.5                                                               | 66 to 56*             | 56 to 46* |
| 0.5-5                                                                  | 56                    | 46        |
| 5-30                                                                   | 60                    | 50        |
| *Decreases with the logarithm of the frequency.                        |                       |           |
| Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz |                       |           |

#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.4 °C

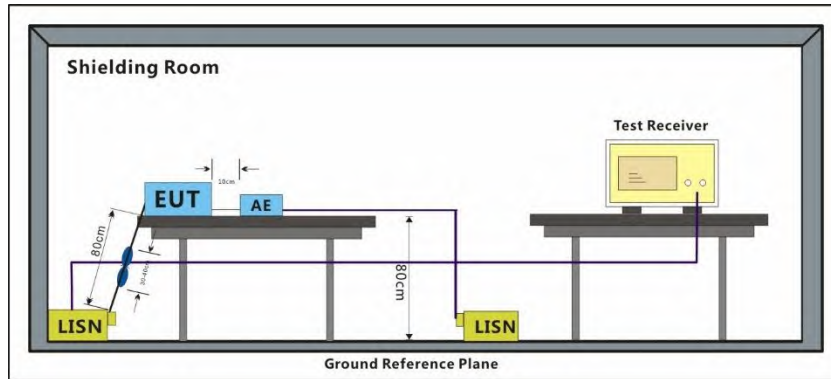
Humidity: 59.0 % RH

Atmospheric Pressure: 1010 mbar

#### 7.1.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test            | 00        | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

### 7.1.3 Test Setup Diagram

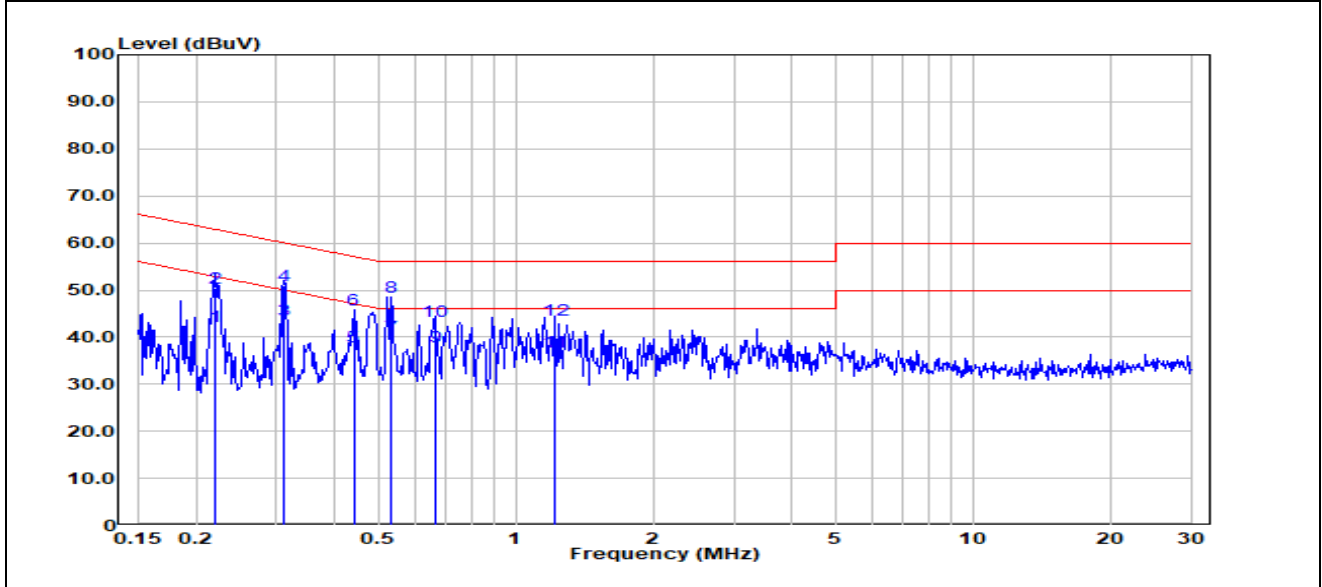


### 7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

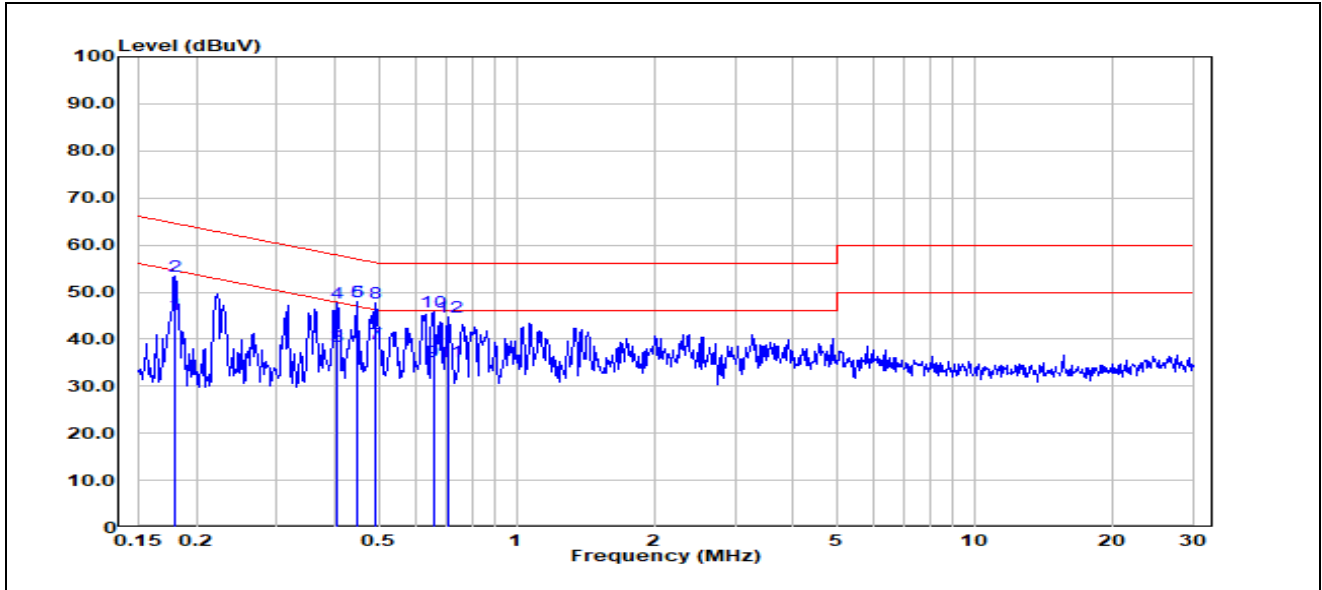
Remark: Level=Read Level+ Cable Loss+ LISN Factor

Test Mode: 00; Line: Live line



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>Factor(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Remark  |
|-----|--------------------|-------------------|-----------------------|------------------|-----------------|----------------|---------|
| 1   | 0.2197             | 22.04             | 20.19                 | 42.23            | 52.83           | -10.60         | Average |
| 2   | 0.2197             | 30.13             | 20.19                 | 50.32            | 62.83           | -12.51         | QP      |
| 3   | 0.3116             | 23.61             | 20.07                 | 43.68            | 49.93           | -6.25          | Average |
| 4   | 0.3116             | 30.95             | 20.07                 | 51.02            | 59.93           | -8.91          | QP      |
| 5   | 0.4421             | 17.81             | 20.21                 | 38.02            | 47.02           | -9.00          | Average |
| 6   | 0.4421             | 25.56             | 20.21                 | 45.78            | 57.02           | -11.24         | QP      |
| 7   | 0.5350             | 20.02             | 20.21                 | 40.23            | 46.00           | -5.77          | Average |
| 8   | 0.5350             | 28.41             | 20.21                 | 48.62            | 56.00           | -7.38          | QP      |
| 9   | 0.6648             | 17.83             | 20.19                 | 38.02            | 46.00           | -7.98          | Average |
| 10  | 0.6648             | 23.06             | 20.19                 | 43.25            | 56.00           | -12.75         | QP      |
| 11  | 1.2162             | 16.98             | 20.00                 | 36.98            | 46.00           | -9.02          | Average |
| 12  | 1.2162             | 23.56             | 20.00                 | 43.56            | 56.00           | -12.44         | QP      |

Test Mode: 00; Line: Neutral Line



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>Factor(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Remark  |
|-----|--------------------|-------------------|-----------------------|------------------|-----------------|----------------|---------|
| 1   | 0.1787             | 24.98             | 20.38                 | 45.36            | 54.55           | -9.19          | Average |
| 2   | 0.1787             | 33.06             | 20.38                 | 53.44            | 64.55           | -11.10         | QP      |
| 3   | 0.4040             | 18.18             | 20.18                 | 38.36            | 47.77           | -9.41          | Average |
| 4   | 0.4040             | 27.48             | 20.18                 | 47.66            | 57.77           | -10.11         | QP      |
| 5   | 0.4468             | 19.76             | 20.18                 | 39.94            | 46.93           | -6.99          | Average |
| 6   | 0.4468             | 27.76             | 20.18                 | 47.94            | 56.93           | -8.99          | QP      |
| 7   | 0.4941             | 18.85             | 20.18                 | 39.03            | 46.10           | -7.07          | Average |
| 8   | 0.4941             | 27.45             | 20.18                 | 47.63            | 56.10           | -8.47          | QP      |
| 9   | 0.6578             | 15.16             | 20.20                 | 35.36            | 46.00           | -10.64         | Average |
| 10  | 0.6578             | 25.60             | 20.20                 | 45.80            | 56.00           | -10.20         | QP      |
| 11  | 0.7122             | 15.15             | 20.21                 | 35.36            | 46.00           | -10.64         | Average |
| 12  | 0.7122             | 24.54             | 20.21                 | 44.76            | 56.00           | -11.24         | QP      |

## 7.2 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.10.5 & 11.12

Measurement Distance: 3m

Limit:

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|----------------|----------------------------------|------------------------------|
| 0.009-0.490    | 2400/F(kHz)                      | 300                          |
| 0.490-1.705    | 24000/F(kHz)                     | 30                           |
| 1.705-30.0     | 30                               | 30                           |
| 30-88          | 100                              | 3                            |
| 88-216         | 150                              | 3                            |
| 216-960        | 200                              | 3                            |
| Above 960      | 500                              | 3                            |

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

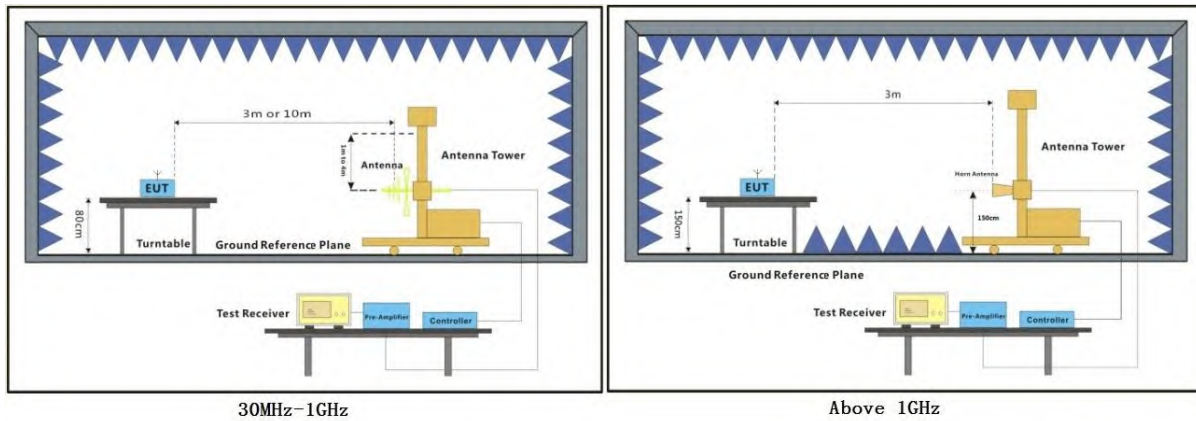
Humidity: 50.2 % RH

Atmospheric Pressure: 1010 mbar

### 7.2.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test            | 00        | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

## 7.2.3 Test Setup Diagram



#### 7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

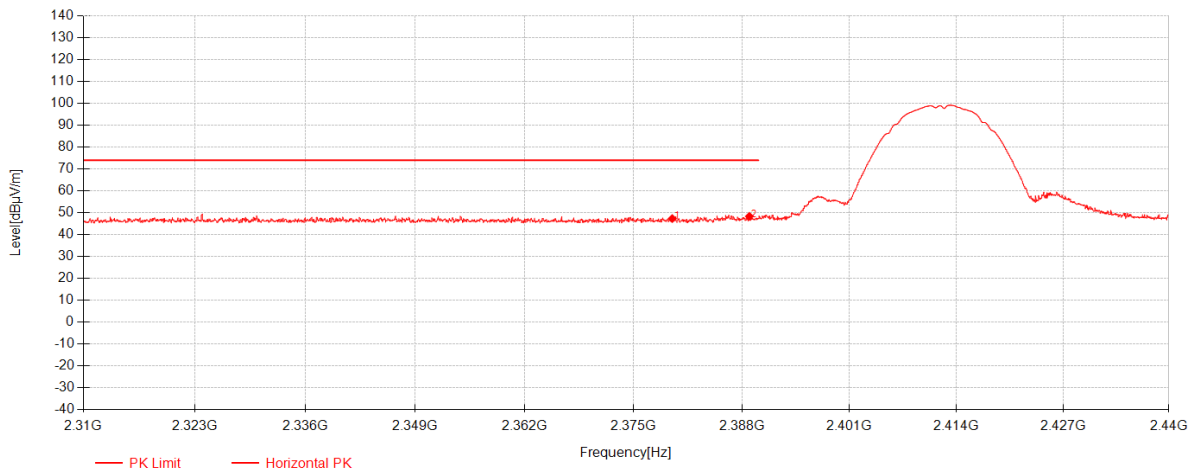
Remark 1:  $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamp Factor}$

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

Remark 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

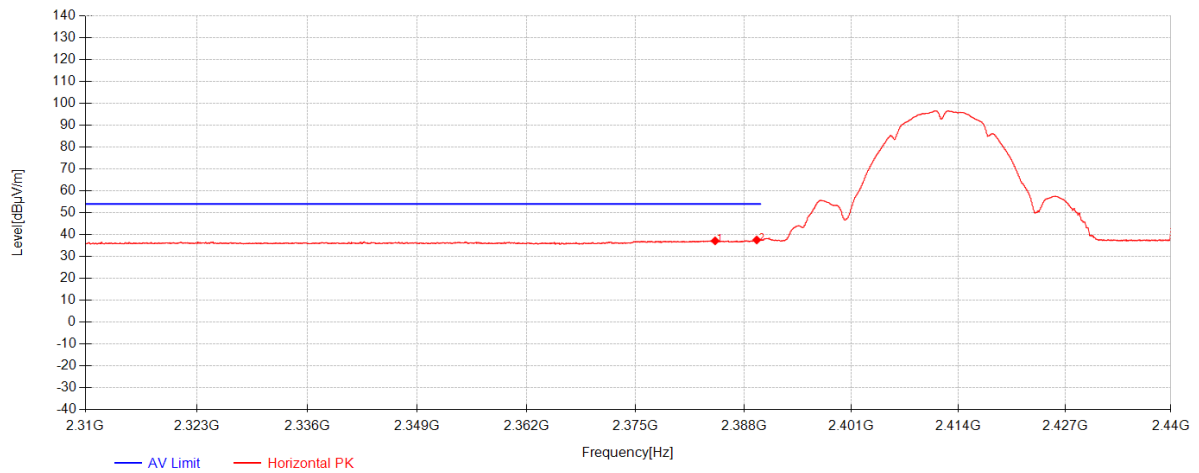
Remark 4: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.

# 11b\_TX\_CH\_01\_Horizontal\_Peak



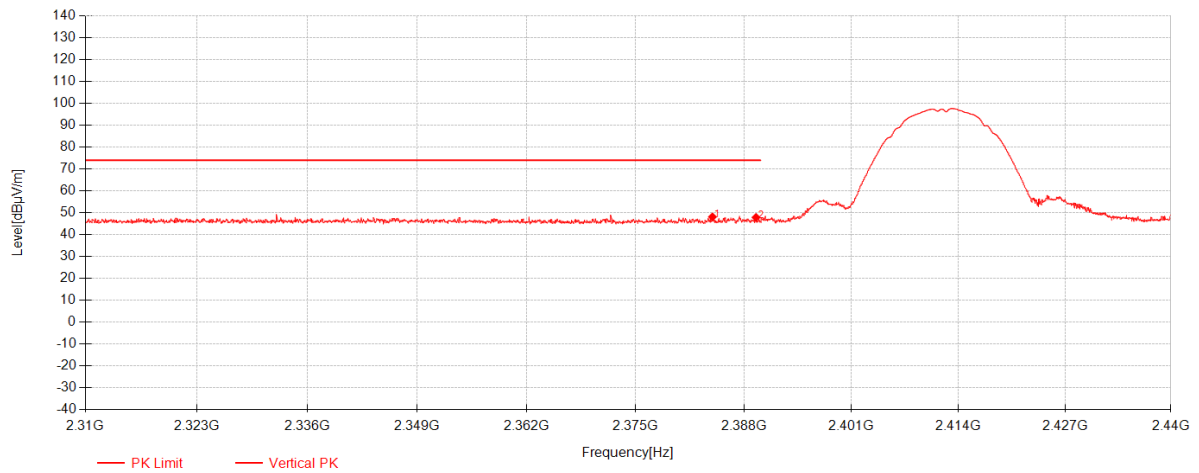
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2379.6367       | 43.86          | 26.98     | -23.50      | 47.34          | 74.00          | 26.66       | Horizontal |
| 2         | 2388.91         | 44.89          | 27.00     | -23.52      | 48.37          | 74.00          | 25.63       | Horizontal |

## 11b\_TX\_CH\_01\_Horizontal\_Average



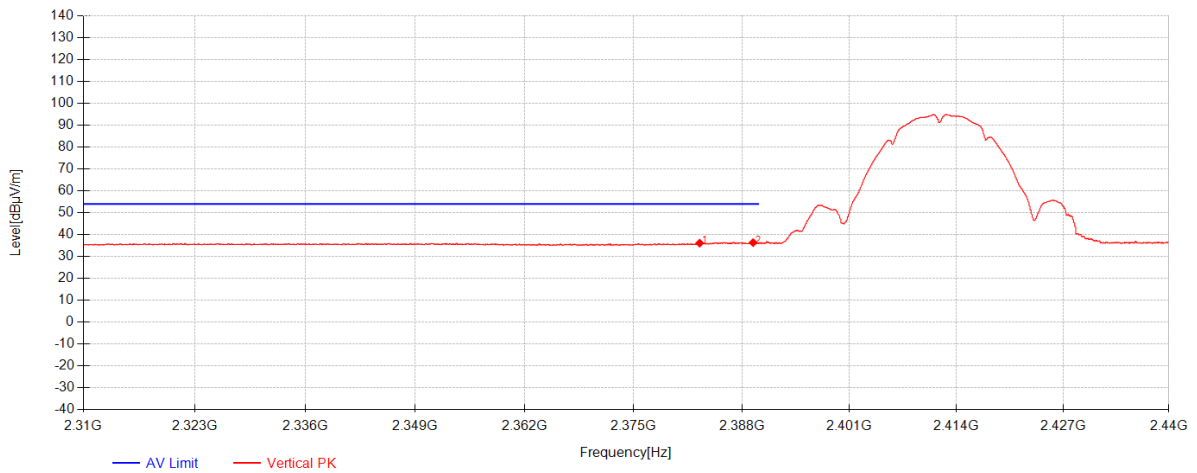
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2384.555        | 33.67          | 26.99     | -23.51      | 37.15          | 54.00          | 16.85       | Horizontal |
| 2         | 2389.56         | 34.08          | 27.00     | -23.52      | 37.56          | 54.00          | 16.44       | Horizontal |

## 11b\_TX\_CH\_01\_Vertical\_Peak



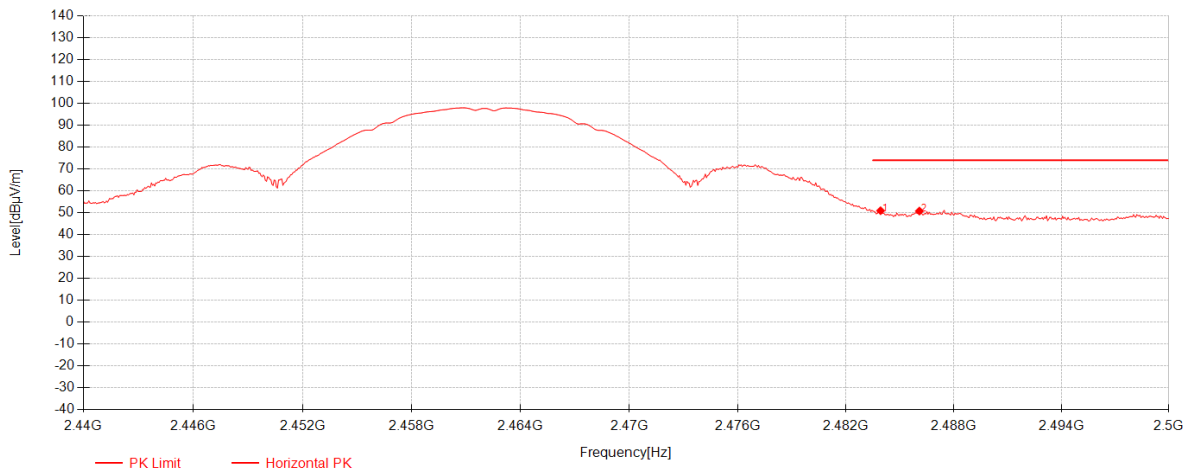
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2384.23         | 44.65          | 26.99     | -23.51      | 48.13          | 74.00          | 25.87       | Vertical |
| 2         | 2389.4733       | 44.39          | 27.00     | -23.52      | 47.87          | 74.00          | 26.13       | Vertical |

## 11b\_TX\_CH\_01\_Vertical\_Average



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2382.93         | 32.60          | 26.99     | -23.51      | 36.08          | 54.00          | 17.92       | Vertical |
| 2         | 2389.365        | 32.88          | 27.00     | -23.52      | 36.36          | 54.00          | 17.64       | Vertical |

# 11b\_TX\_CH\_11\_Horizontal\_Peak



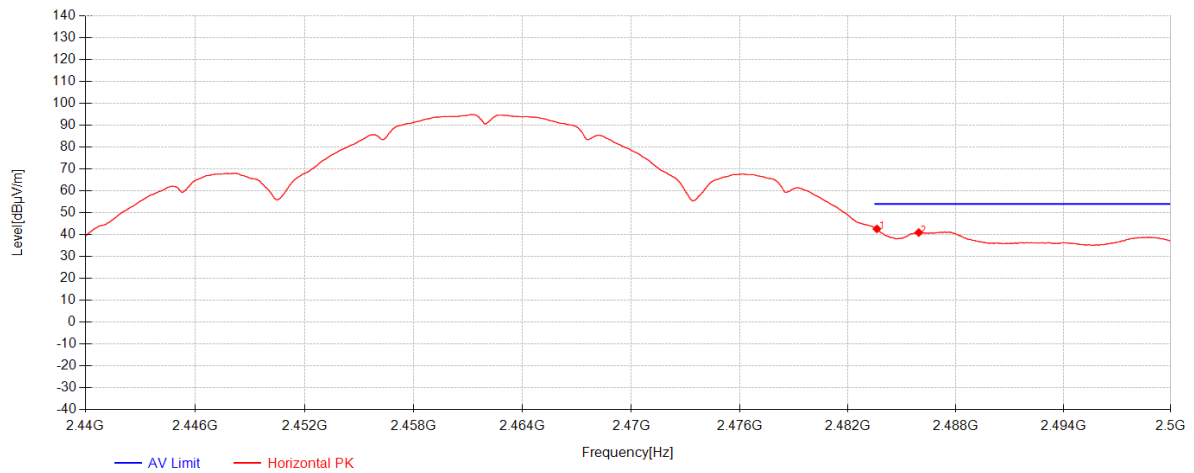
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2483.92         | 46.95          | 27.17     | -23.18      | 50.94          | 74.00          | 23.06       | Horizontal |
| 2         | 2486.08         | 46.78          | 27.17     | -23.17      | 50.79          | 74.00          | 23.21       | Horizontal |



Report No.: KSCR260600155501

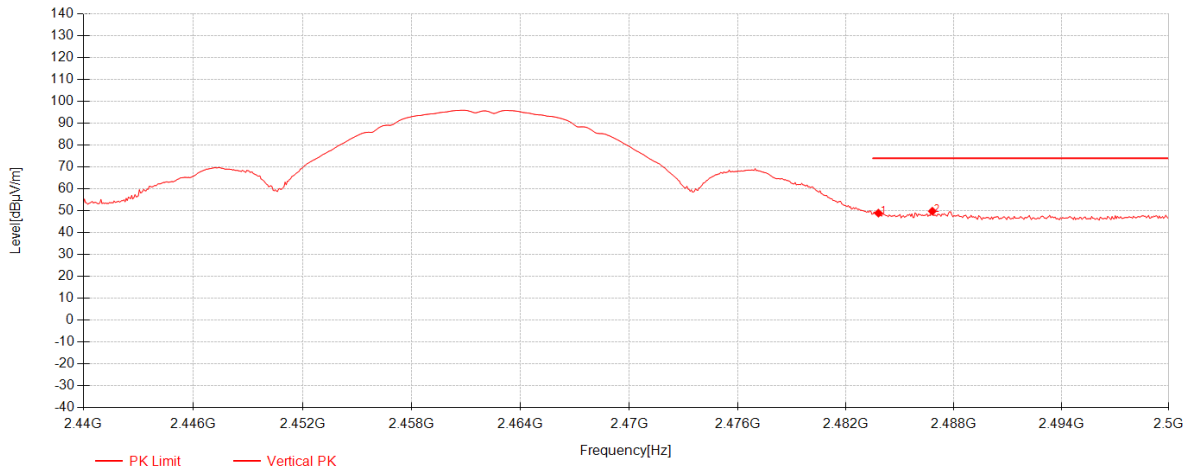
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### 11b\_TX\_CH\_11\_Horizontal\_Average



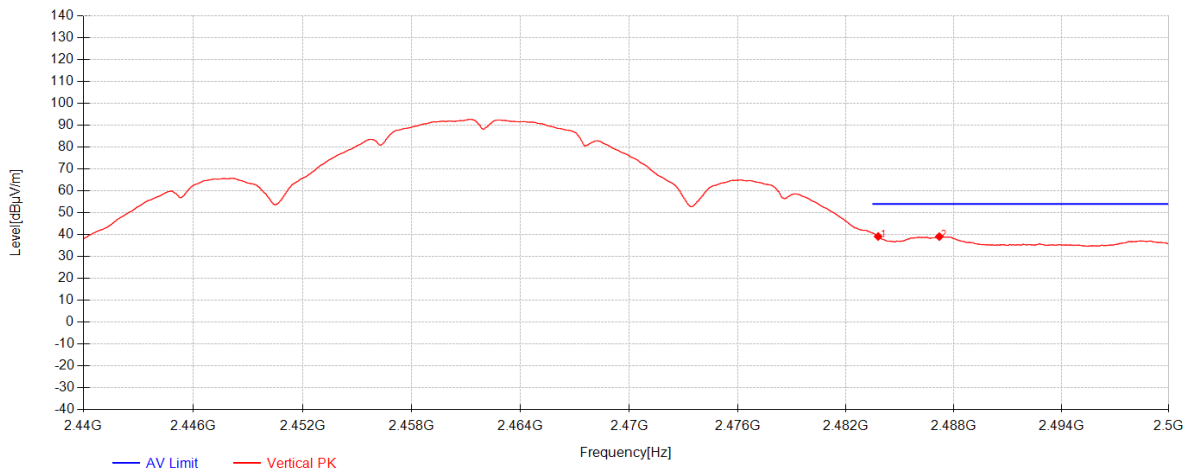
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2483.605        | 38.64          | 27.17     | -23.18      | 42.63          | 54.00          | 11.37       | Horizontal |
| 2         | 2485.93         | 36.94          | 27.17     | -23.17      | 40.95          | 54.00          | 13.05       | Horizontal |

### 11b\_TX\_CH\_11\_Vertical\_Peak



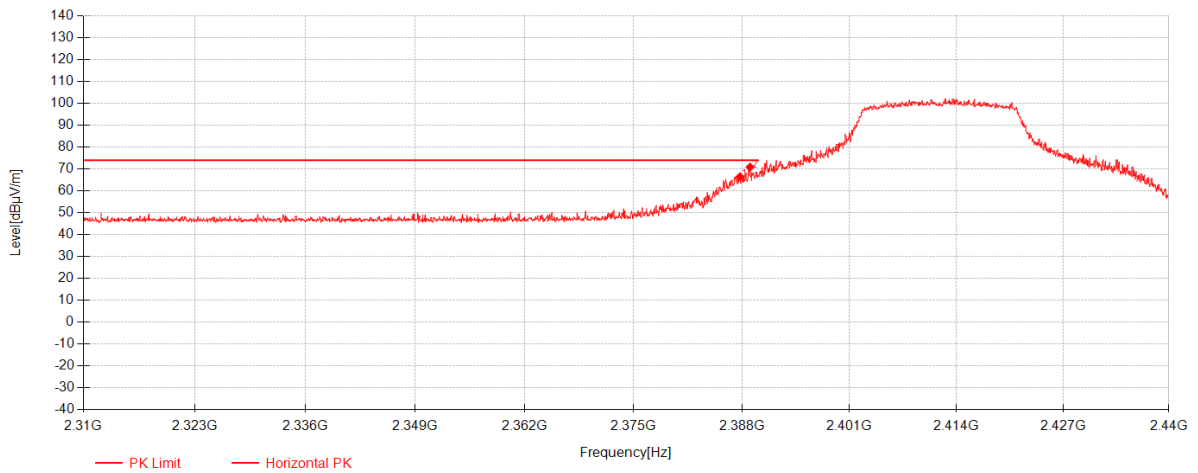
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2483.8          | 44.93          | 27.17     | -23.18      | 48.92          | 74.00          | 25.08       | Vertical |
| 2         | 2486.8          | 45.78          | 27.18     | -23.17      | 49.79          | 74.00          | 24.21       | Vertical |

## 11b\_TX\_CH\_11\_Vertical\_Average



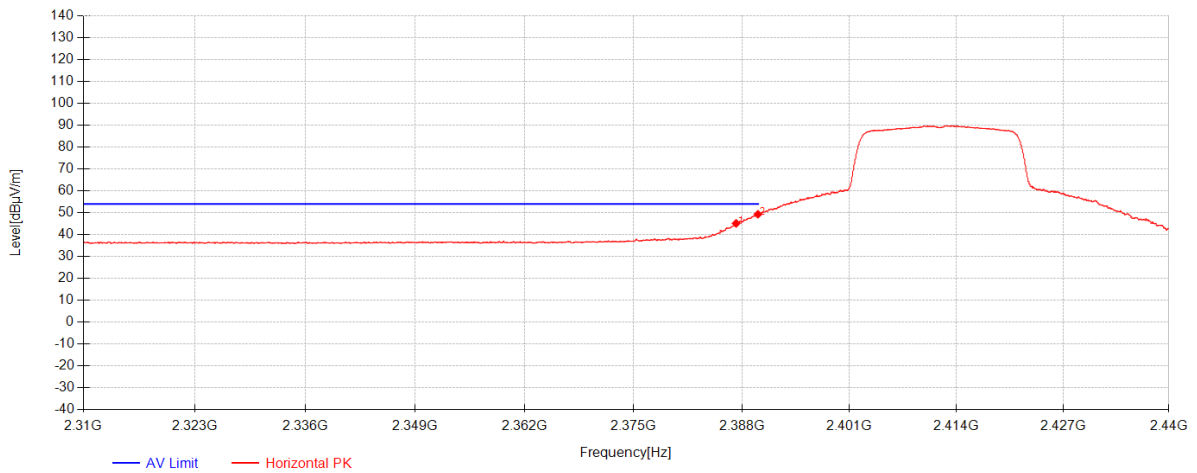
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2483.785        | 35.16          | 27.17     | -23.18      | 39.15          | 54.00          | 14.85       | Vertical |
| 2         | 2487.19         | 35.08          | 27.18     | -23.16      | 39.09          | 54.00          | 14.91       | Vertical |

## 11ax(HE20)\_TX\_CH\_01\_Horizontal\_Peak



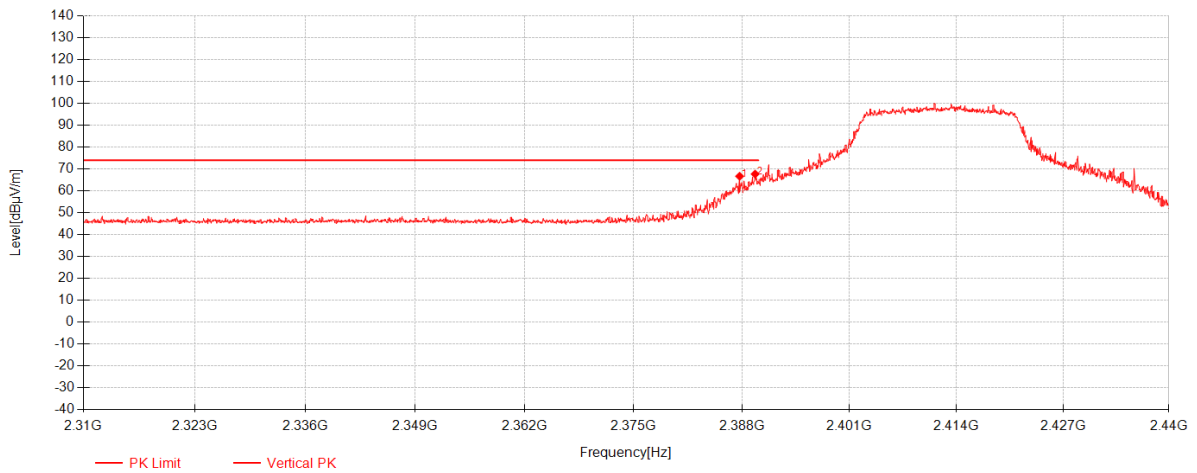
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2387.7833       | 63.06          | 27.00     | -23.51      | 66.54          | 74.00          | 7.46        | Horizontal |
| 2         | 2388.9967       | 67.45          | 27.00     | -23.52      | 70.93          | 74.00          | 3.07        | Horizontal |

## 11ax(HE20)\_TX\_CH\_01\_Horizontal\_Average



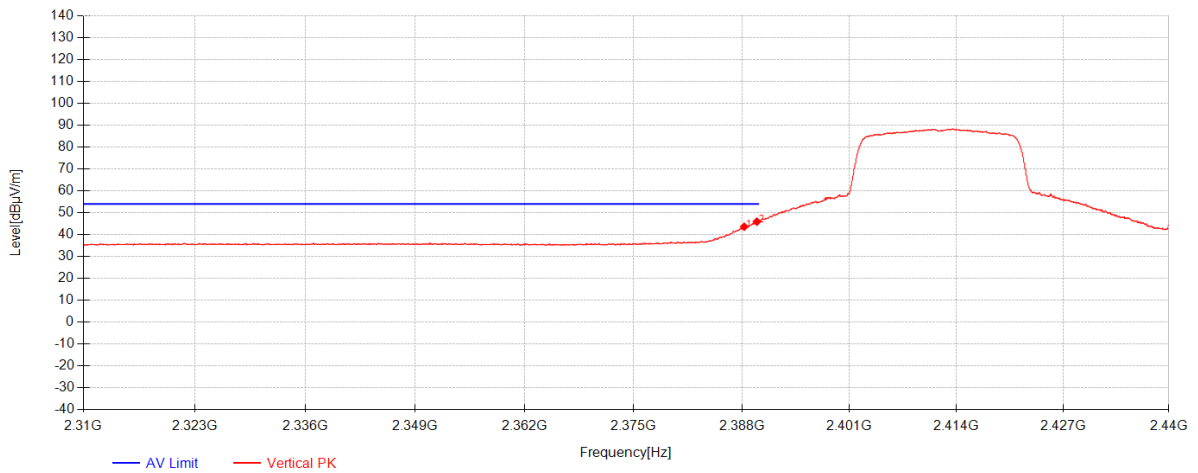
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2387.3175       | 41.66          | 27.00     | -23.51      | 45.14          | 54.00          | 8.86        | Horizontal |
| 2         | 2389.95         | 45.84          | 27.00     | -23.52      | 49.32          | 54.00          | 4.68        | Horizontal |

## 11ax(HE20)\_TX\_CH\_01\_Veritical\_Peak



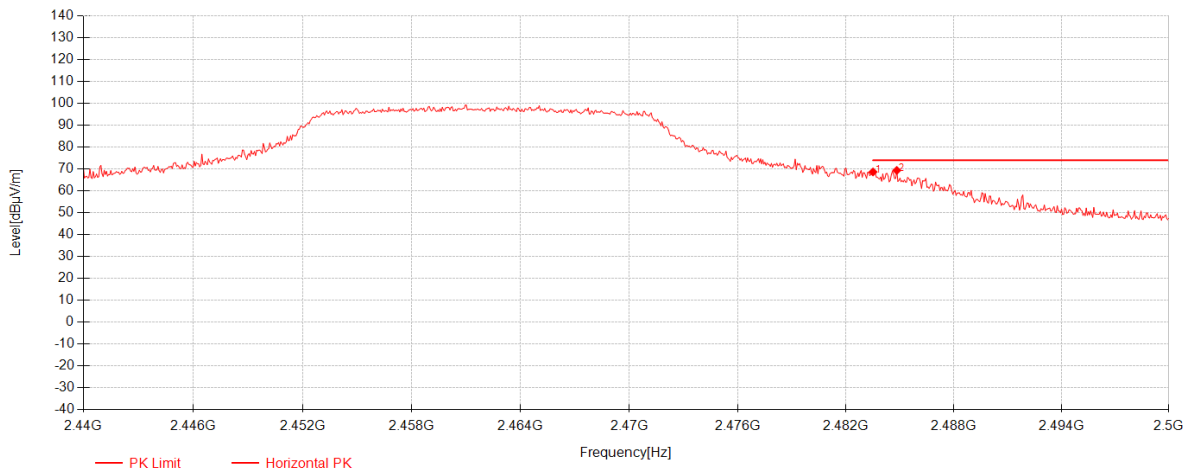
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2387.74         | 63.23          | 27.00     | -23.51      | 66.71          | 74.00          | 7.29        | Vertical |
| 2         | 2389.6033       | 64.25          | 27.00     | -23.52      | 67.73          | 74.00          | 6.27        | Vertical |

## 11ax(HE20)\_TX\_CH\_01\_Veritical\_Average



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2388.2925       | 40.14          | 27.00     | -23.51      | 43.62          | 54.00          | 10.38       | Vertical |
| 2         | 2389.82         | 42.46          | 27.00     | -23.52      | 45.94          | 54.00          | 8.06        | Vertical |

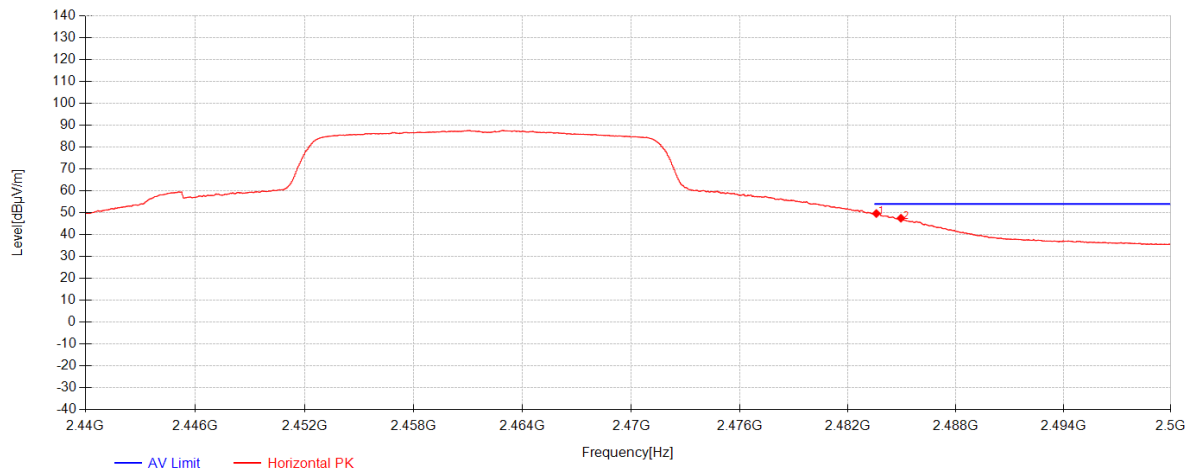
# 11ax(HE20)\_TX\_CH\_11\_Horizontal\_Peak



| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2483.5          | 64.70          | 27.17     | -23.18      | 68.69          | 74.00          | 5.31        | Horizontal |
| 2         | 2484.82         | 65.38          | 27.17     | -23.17      | 69.38          | 74.00          | 4.62        | Horizontal |

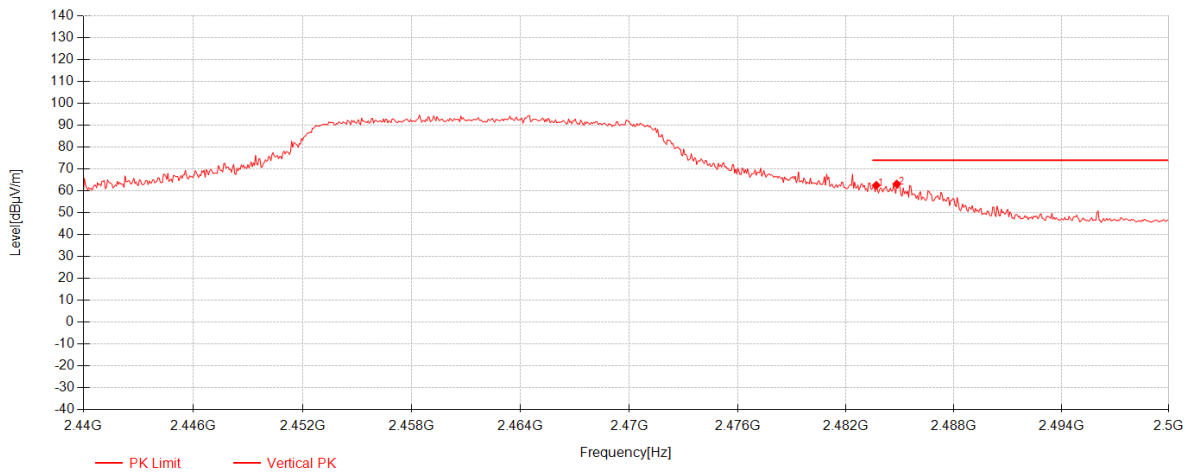


## 11ax(HE20)\_TX\_CH\_11\_Horizontal\_Average



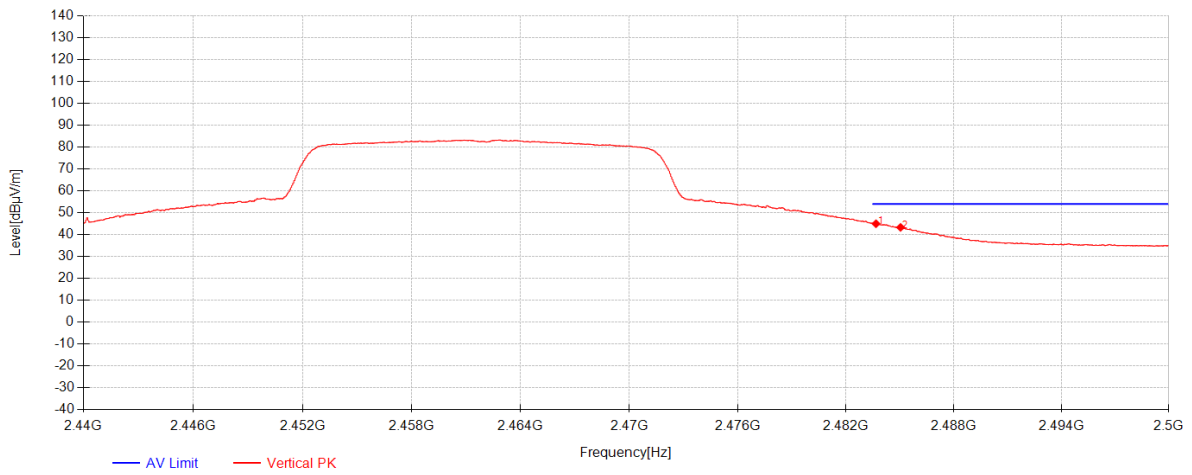
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2483.575        | 45.67          | 27.17     | -23.18      | 49.66          | 54.00          | 4.34        | Horizontal |
| 2         | 2484.94         | 43.50          | 27.17     | -23.17      | 47.50          | 54.00          | 6.50        | Horizontal |

## 11ax(HE20)\_TX\_CH\_11\_Vertical\_Peak



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2483.68         | 58.58          | 27.17     | -23.18      | 62.57          | 74.00          | 11.43       | Vertical |
| 2         | 2484.82         | 59.17          | 27.17     | -23.17      | 63.17          | 74.00          | 10.83       | Vertical |

## 11ax(HE20)\_TX\_CH\_11\_Veritical\_Average



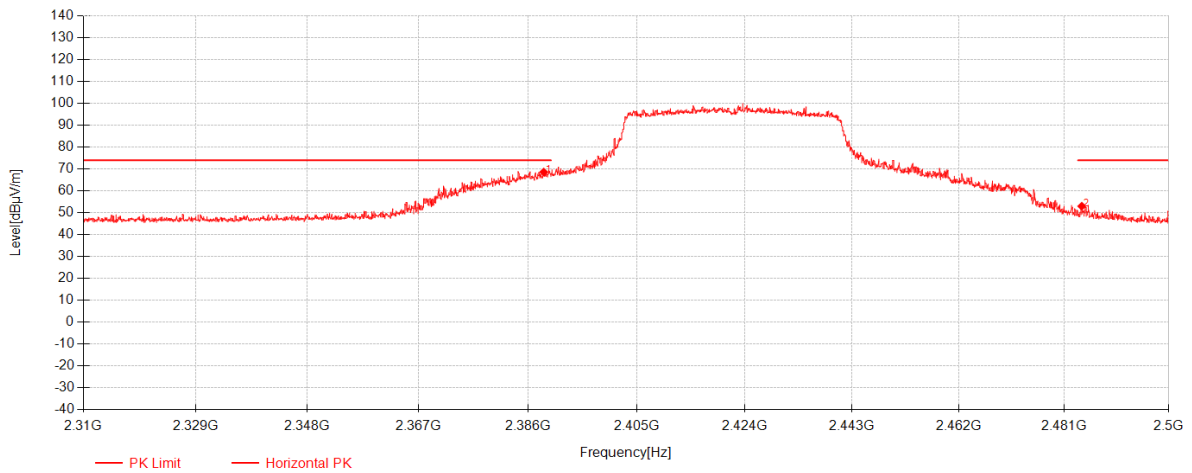
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2483.665        | 40.99          | 27.17     | -23.18      | 44.98          | 54.00          | 9.02        | Vertical |
| 2         | 2485.03         | 39.31          | 27.17     | -23.17      | 43.31          | 54.00          | 10.69       | Vertical |



Report No.: KSCR260600155501

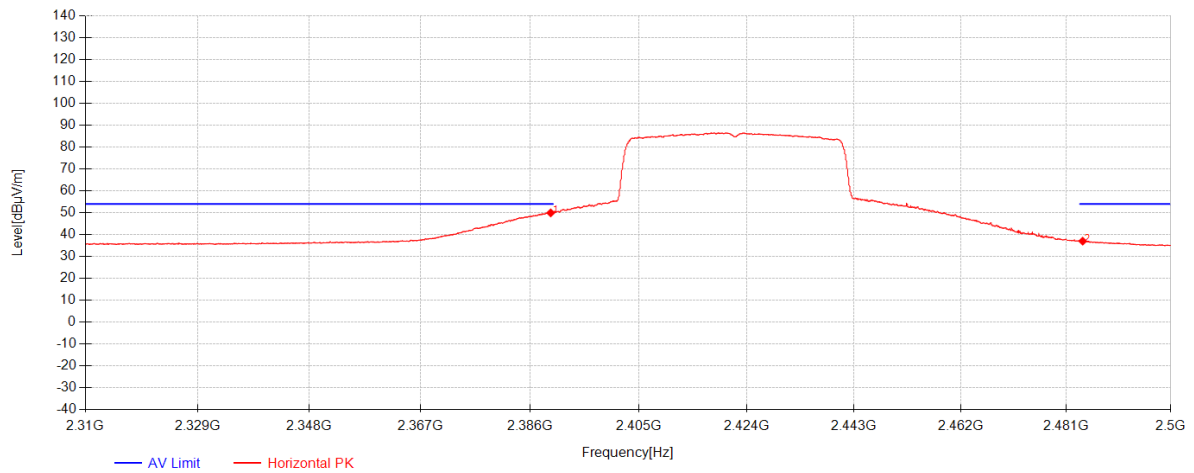
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11ax(HE40)\_TX\_CH\_03\_Horizontal\_Peak



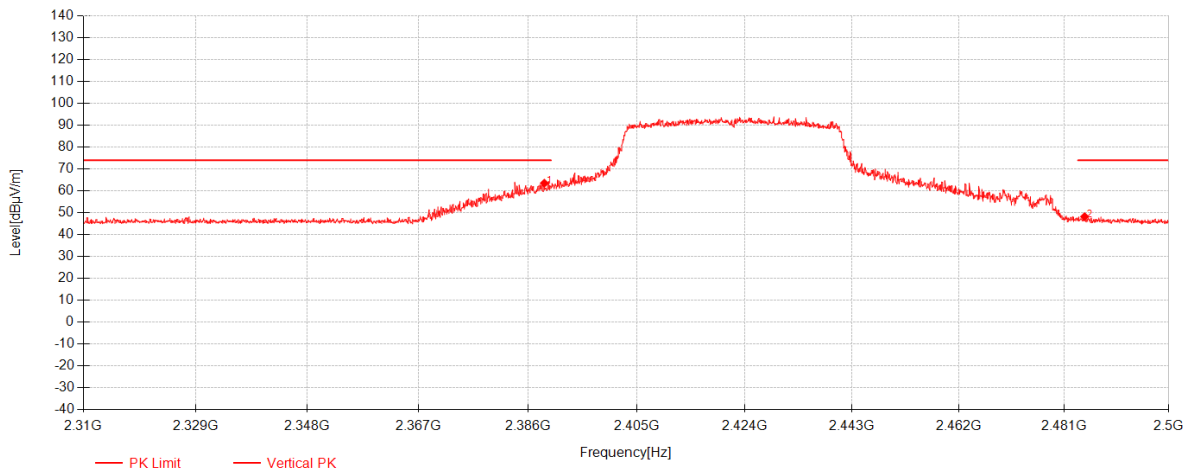
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2388.755        | 65.14          | 27.00     | -23.52      | 68.62          | 74.00          | 5.38        | Horizontal |
| 2         | 2484.1825       | 49.02          | 27.17     | -23.18      | 53.02          | 74.00          | 20.98       | Horizontal |

## 11ax(HE40)\_TX\_CH\_03\_Horizontal\_Average



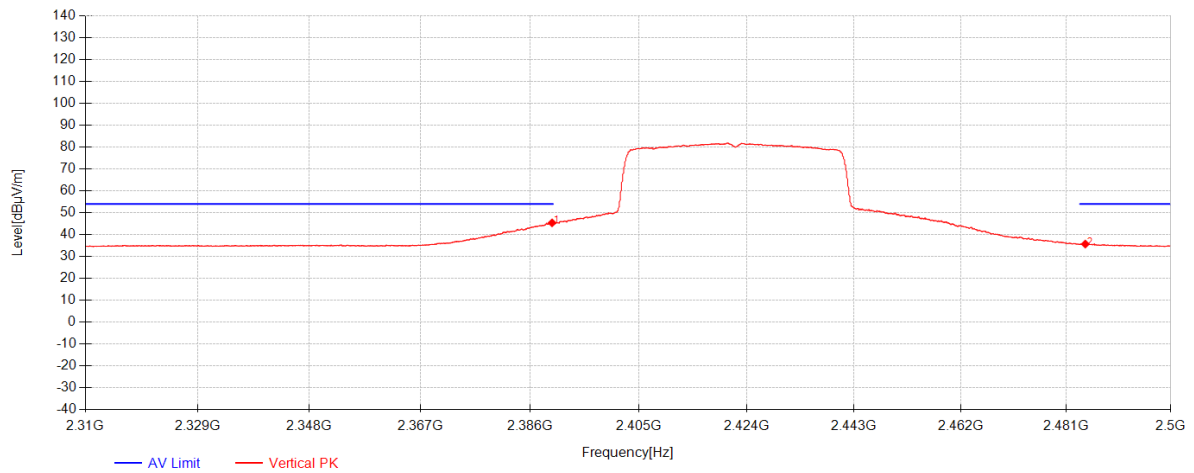
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2389.61         | 46.46          | 27.00     | -23.52      | 49.94          | 54.00          | 4.06        | Horizontal |
| 2         | 2483.9925       | 33.02          | 27.17     | -23.18      | 37.01          | 54.00          | 16.99       | Horizontal |

## 11ax(HE40)\_TX\_CH\_03\_Vertical\_Peak



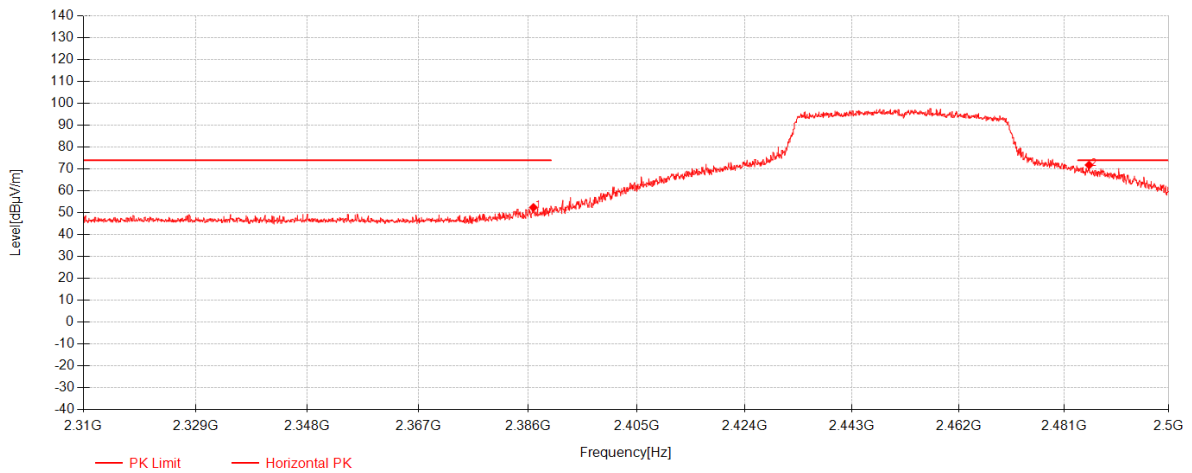
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2388.85         | 60.05          | 27.00     | -23.52      | 63.53          | 74.00          | 10.47       | Vertical |
| 2         | 2484.705        | 44.24          | 27.17     | -23.17      | 48.24          | 74.00          | 25.76       | Vertical |

## 11ax(HE40)\_TX\_CH\_03\_Vertical\_Average



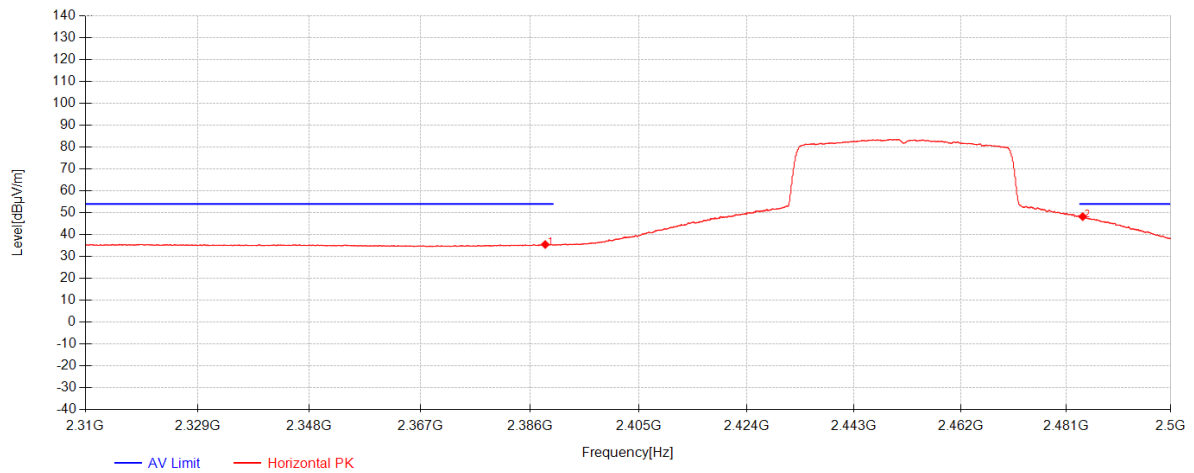
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2389.8475       | 41.90          | 27.00     | -23.52      | 45.38          | 54.00          | 8.62        | Vertical |
| 2         | 2484.4675       | 31.68          | 27.17     | -23.18      | 35.68          | 54.00          | 18.32       | Vertical |

## 11ax(HE40)\_TX\_CH\_09\_Horizontal\_Peak



| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2386.95         | 48.95          | 27.00     | -23.51      | 52.43          | 74.00          | 21.57       | Horizontal |
| 2         | 2485.5125       | 67.84          | 27.17     | -23.17      | 71.84          | 74.00          | 2.16        | Horizontal |

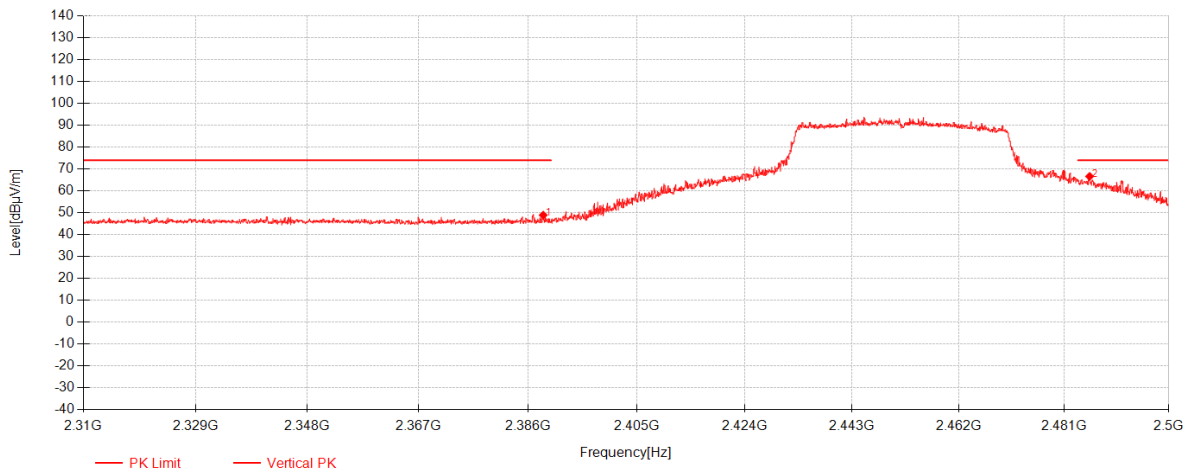
## 11ax(HE40)\_TX\_CH\_09\_Horizontal\_Average



| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2388.66         | 31.99          | 27.00     | -23.52      | 35.47          | 54.00          | 18.53       | Horizontal |
| 2         | 2483.9925       | 44.23          | 27.17     | -23.18      | 48.22          | 54.00          | 5.78        | Horizontal |

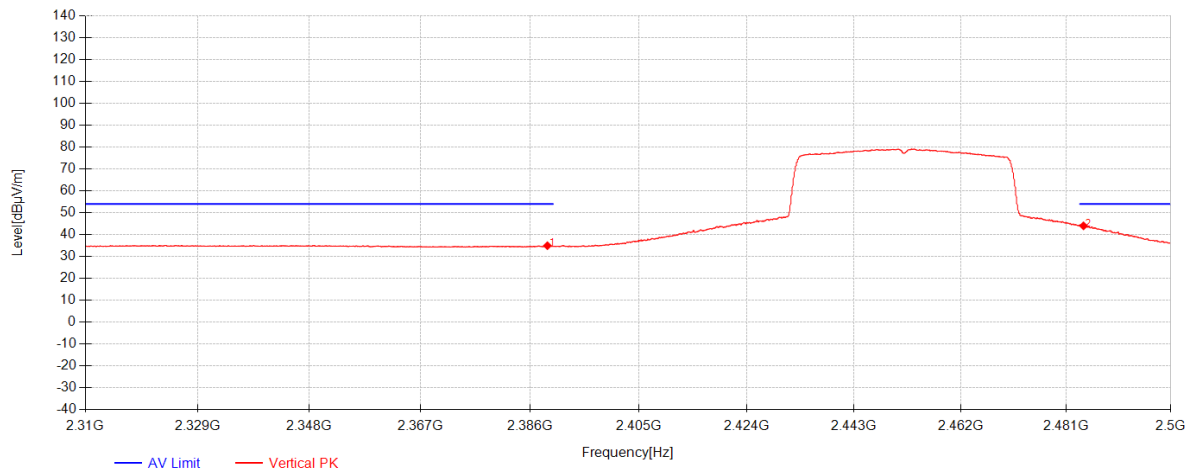


11ax(HE40)\_TX\_CH\_09\_Vertical\_Peak



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2388.66         | 45.45          | 27.00     | -23.52      | 48.93          | 74.00          | 25.07       | Vertical |
| 2         | 2485.6075       | 62.64          | 27.17     | -23.17      | 66.64          | 74.00          | 7.36        | Vertical |

## 11ax(HE40)\_TX\_CH\_09\_Vertical\_Average



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2389.04         | 31.45          | 27.00     | -23.52      | 34.93          | 54.00          | 19.07       | Vertical |
| 2         | 2484.135        | 40.03          | 27.17     | -23.18      | 44.02          | 54.00          | 9.98        | Vertical |

### 7.3 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.4,6.5

Measurement Distance: 3m

Limit:

| Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) | Field strength (dBμV/m@3m) |
|-----------------|-----------------------------------|-------------------------------|----------------------------|
| 0.009-0.490     | 2400/F(kHz)                       | 300                           | 128.5 to 93.8              |
| 0.490-1.705     | 24000/F(kHz)                      | 30                            | 73.8 to 62.9               |
| 1.705-30.0      | 30                                | 30                            | 69.60                      |
| 30-88           | 100                               | 3                             | 40.0                       |
| 88-216          | 150                               | 3                             | 43.5                       |
| 216-960         | 200                               | 3                             | 46.0                       |
| 960-1000        | 500                               | 3                             | 54.0                       |

Note : The above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

#### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

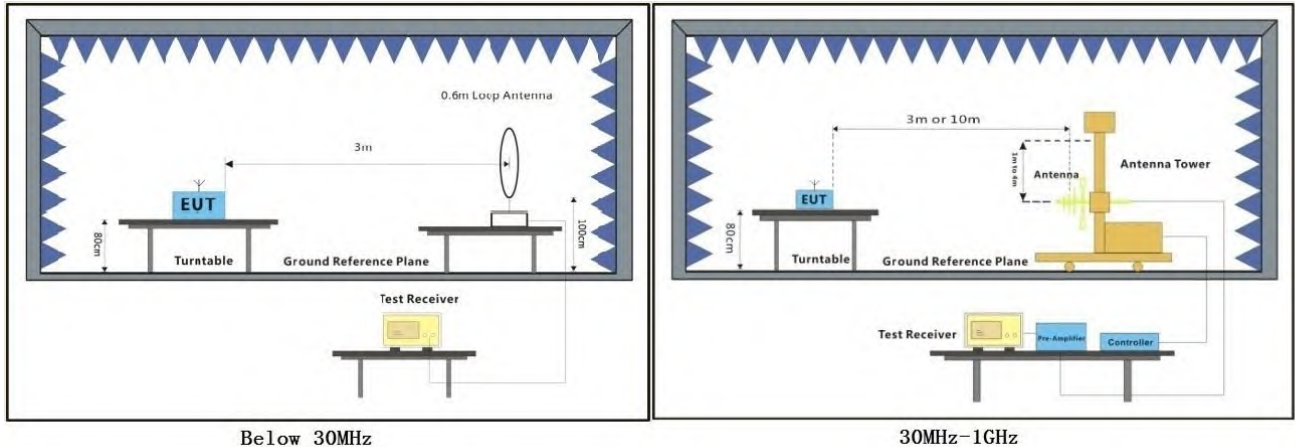
Humidity: 50.2 % RH

Atmospheric Pressure: 1010 mbar

#### 7.3.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test            | 00        | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

### 7.3.3 Test Setup Diagram



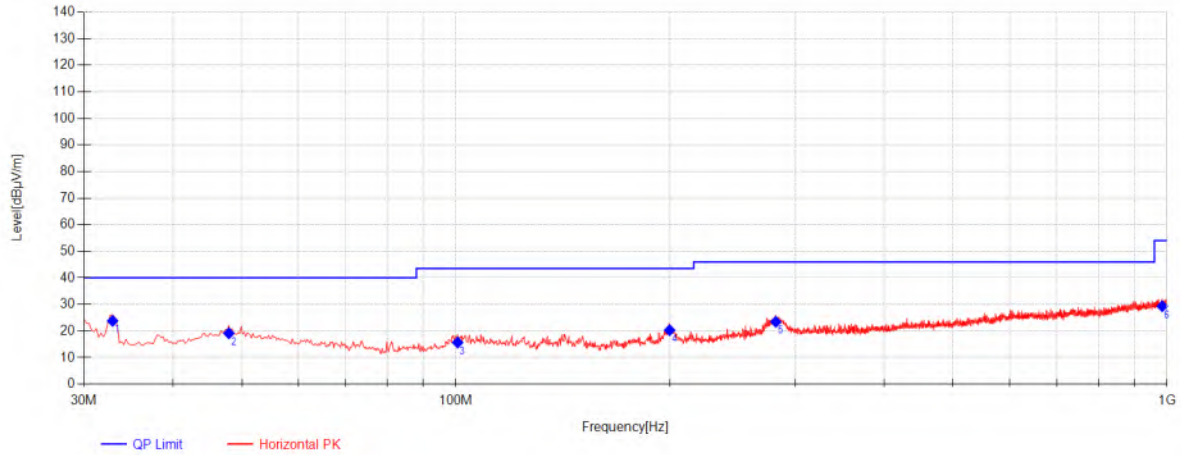
### 7.3.4 Measurement Procedure and Data

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- The antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- 1 Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
2. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

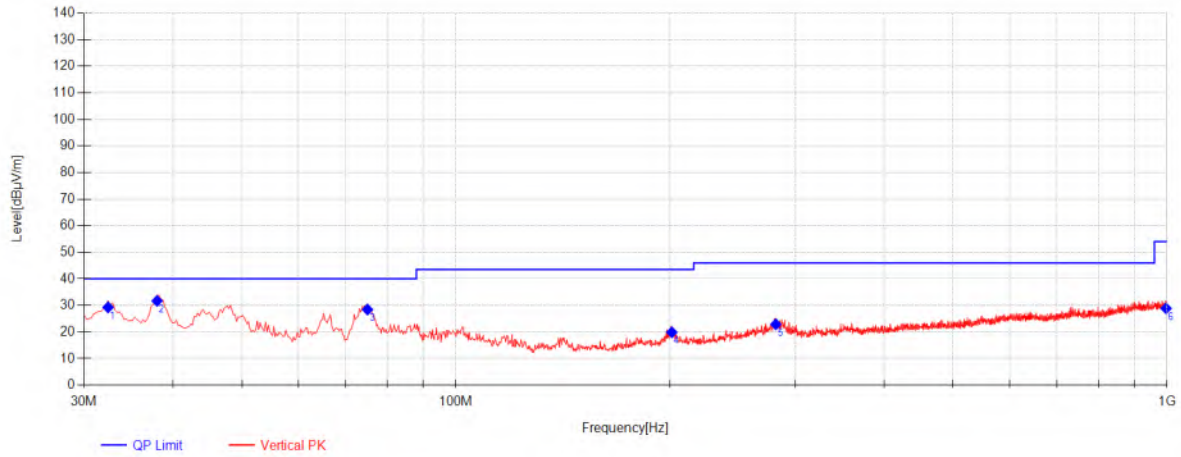
Test Mode: 01; Polarity: Horizontal



## Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|-------------------|-------------------|----------------|------------|
| 1   | 32.91           | 48.02          | 17.09     | -41.33      | 23.78             | 40.00             | 16.22          | Horizontal |
| 2   | 47.945          | 40.03          | 20.11     | -41.02      | 19.12             | 40.00             | 20.88          | Horizontal |
| 3   | 100.5675        | 38.68          | 17.37     | -40.39      | 15.66             | 43.50             | 27.84          | Horizontal |
| 4   | 199.75          | 38.74          | 20.83     | -39.27      | 20.30             | 43.50             | 23.20          | Horizontal |
| 5   | 281.715         | 42.8           | 19.00     | -38.35      | 23.45             | 46.00             | 22.55          | Horizontal |
| 6   | 984.48          | 35.63          | 27.49     | -33.79      | 29.33             | 54.00             | 24.67          | Horizontal |

Test Mode: 01; Polarity: Vertical



## Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Polarity |
|-----|-----------------|----------------|-----------|-------------|-------------------|-------------------|----------------|----------|
| 1   | 32.425          | 53.57          | 17.04     | -41.34      | 29.27             | 40.00             | 10.73          | Vertical |
| 2   | 38.0025         | 54.33          | 18.60     | -41.23      | 31.70             | 40.00             | 8.30           | Vertical |
| 3   | 75.105          | 54.16          | 14.97     | -40.69      | 28.44             | 40.00             | 11.56          | Vertical |
| 4   | 201.205         | 38.2           | 20.93     | -39.24      | 19.89             | 43.50             | 23.61          | Vertical |
| 5   | 281.715         | 42.23          | 19.00     | -38.35      | 22.88             | 46.00             | 23.12          | Vertical |
| 6   | 996.8475        | 34.5           | 28.10     | -33.72      | 28.88             | 54.00             | 25.12          | Vertical |

## 7.4 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.6 & 11.12

Measurement Distance: 3m

Limit:

| Frequency<br>(MHz) | Field strength<br>(microvolts/meter) | Measurement distance(meters) |
|--------------------|--------------------------------------|------------------------------|
| Above 1000         | 500                                  | 3                            |

Note:

At Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is  $20\log(1/3) = -9.54\text{dB}$  (for 1m test distance).

### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

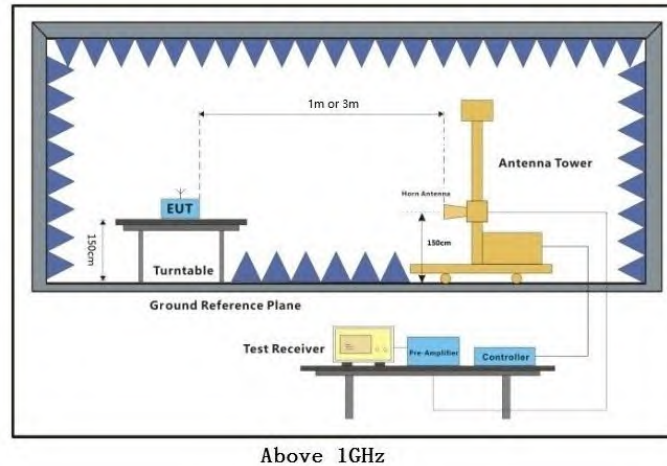
Humidity: 50.2 % RH

Atmospheric Pressure: 1010 mbar

### 7.4.2 Test Mode Description

| Pre-scan /<br>Final test | Mode<br>Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test               | 00           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

### 7.4.3 Test Setup Diagram



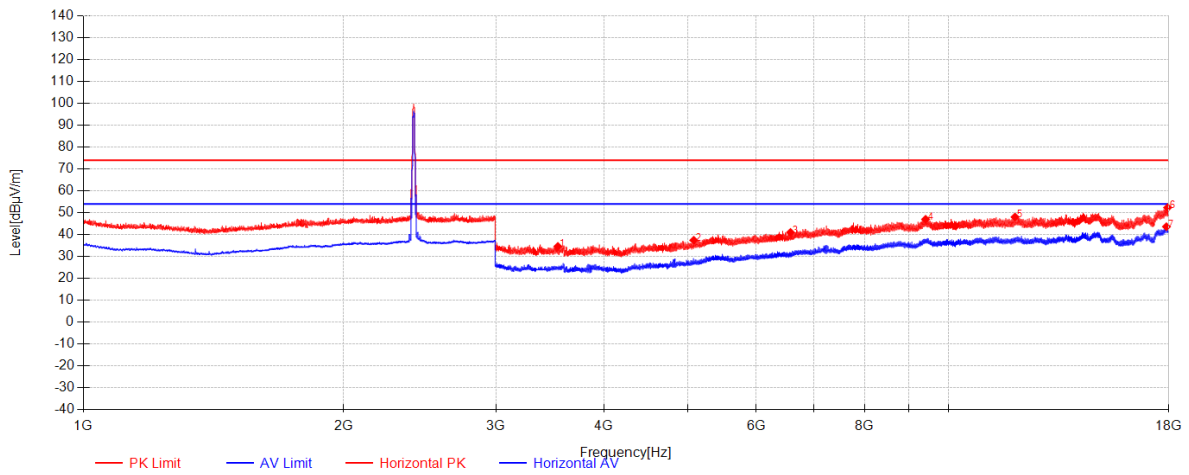
### 7.4.4 Measurement Procedure and Data

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5m above the ground at a 3m fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3m away from the interference-receiving antenna from 1GHz to 18GHz, and 1m away from the interference-receiving antenna above 18GHz.
- The interference-receiving antenna was mounted on the variable-height antenna tower, with its boresight facing the EUT throughout the test.
- The antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

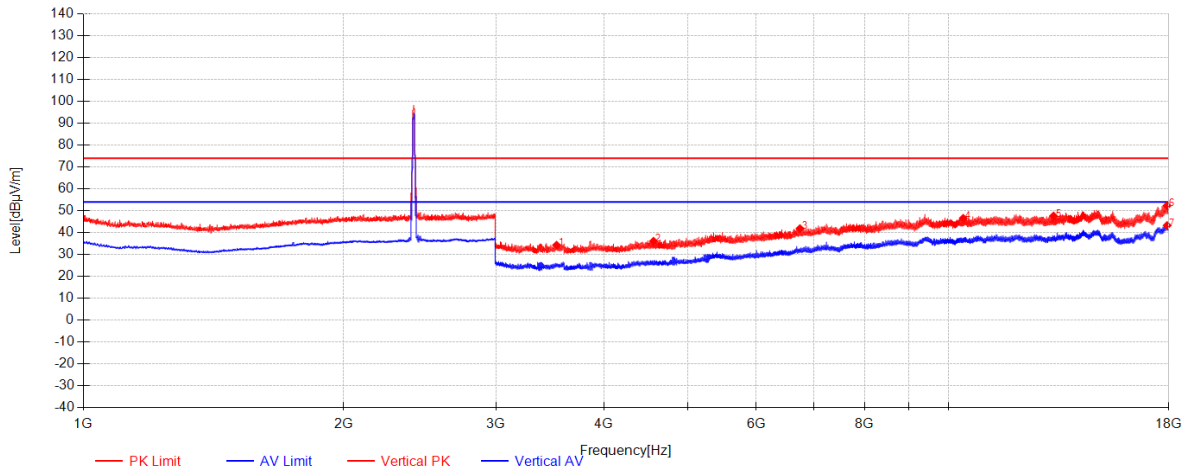
- Scan from 1GHz to 10th harmonic of the highest frequency or 40 GHz, whichever is lower.
- As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- Scan for the frequency above 18GHz, the disturbance above 18GHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s).

## 11b\_TX\_CH\_01\_Horizontal



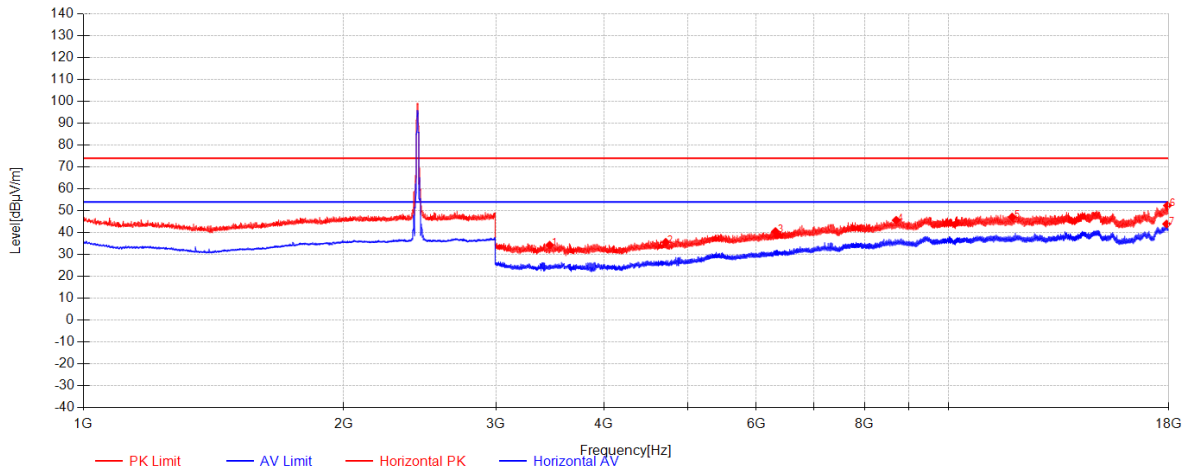
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 3537.375        | 54.34          | 28.56     | -48.29      | 34.61          | 74.00          | 39.39       | Horizontal |
| 2         | 5079.375        | 53.87          | 31.42     | -47.86      | 37.43          | 74.00          | 36.57       | Horizontal |
| 3         | 6572.25         | 53.25          | 34.82     | -47.03      | 41.03          | 74.00          | 32.97       | Horizontal |
| 4         | 9417.375        | 51.96          | 37.98     | -42.93      | 47.01          | 74.00          | 26.99       | Horizontal |
| 5         | 11946.75        | 48.38          | 39.41     | -39.72      | 48.06          | 74.00          | 25.94       | Horizontal |
| 6         | 17936.25        | 46.35          | 44.42     | -38.42      | 52.35          | 74.00          | 21.65       | Horizontal |
| 7         | 17880.75        | 37.70          | 44.08     | -38.16      | 43.63          | 54.00          | 10.37       | Horizontal |

## 11b\_TX\_CH\_01\_Vertical



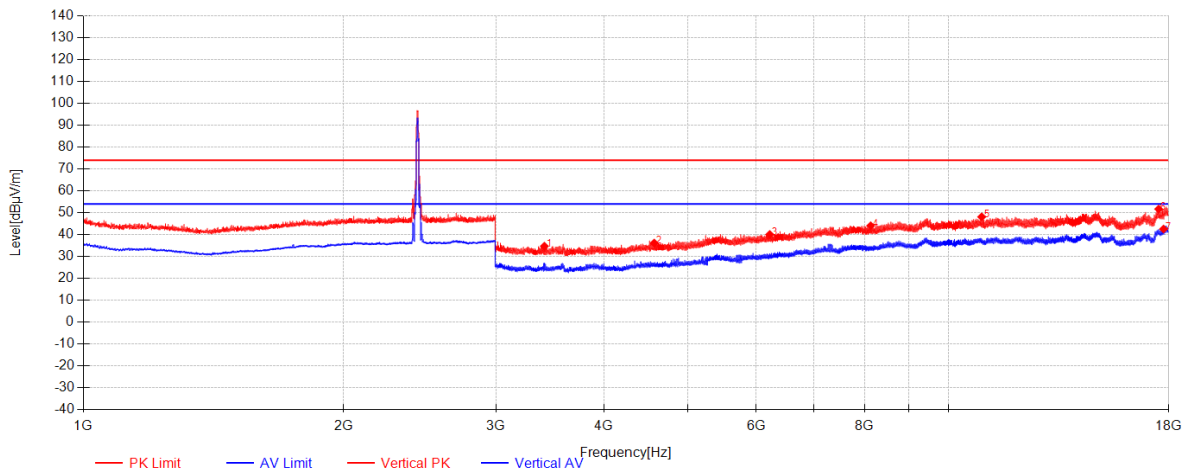
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3525            | 54.01          | 28.54     | -48.29      | 34.26          | 74.00          | 39.74       | Vertical |
| 2         | 4563.75         | 53.83          | 30.24     | -47.99      | 36.08          | 74.00          | 37.92       | Vertical |
| 3         | 6739.5          | 53.46          | 35.08     | -46.68      | 41.86          | 74.00          | 32.14       | Vertical |
| 4         | 10409.25        | 48.66          | 39.09     | -41.19      | 46.56          | 74.00          | 27.44       | Vertical |
| 5         | 13239.375       | 47.30          | 39.16     | -38.85      | 47.61          | 74.00          | 26.39       | Vertical |
| 6         | 17902.875       | 46.22          | 44.22     | -38.17      | 52.27          | 74.00          | 21.73       | Vertical |
| 7         | 17913.375       | 37.24          | 44.28     | -38.25      | 43.27          | 54.00          | 10.73       | Vertical |

# 11b\_TX\_CH\_06\_Horizontal



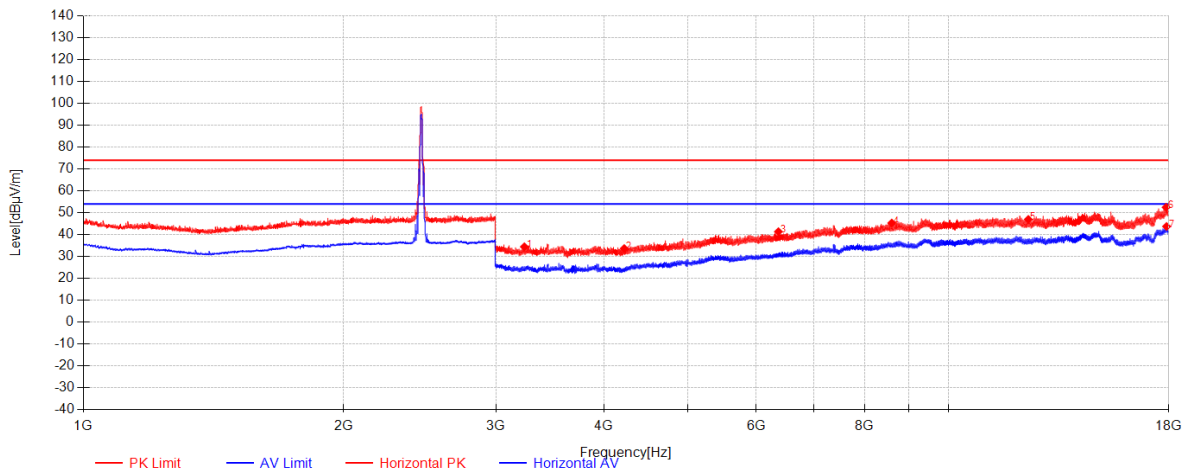
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 3460.875        | 54.13          | 28.47     | -48.34      | 34.26          | 74.00          | 39.74       | Horizontal |
| 2         | 4714.125        | 52.99          | 30.57     | -47.97      | 35.59          | 74.00          | 38.41       | Horizontal |
| 3         | 6314.25         | 53.78          | 33.99     | -47.26      | 40.51          | 74.00          | 33.49       | Horizontal |
| 4         | 8707.125        | 52.68          | 37.08     | -44.11      | 45.65          | 74.00          | 28.35       | Horizontal |
| 5         | 11856.375       | 47.63          | 39.41     | -39.94      | 47.11          | 74.00          | 26.89       | Horizontal |
| 6         | 17930.625       | 46.37          | 44.38     | -38.38      | 52.37          | 74.00          | 21.63       | Horizontal |
| 7         | 17888.625       | 37.96          | 44.13     | -38.15      | 43.94          | 54.00          | 10.06       | Horizontal |

## 11b\_TX\_CH\_06\_Vertical



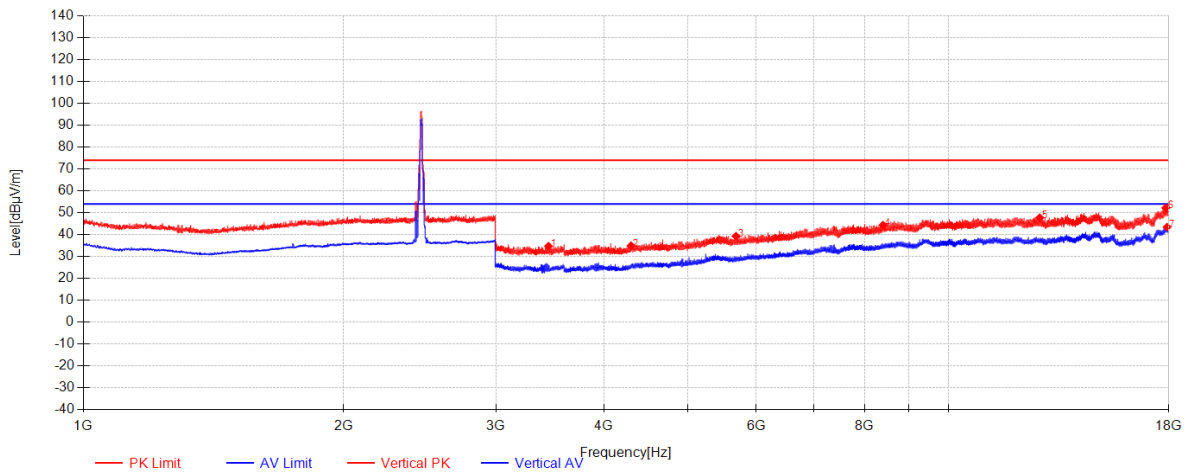
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3412.875        | 54.67          | 28.43     | -48.39      | 34.71          | 74.00          | 39.29       | Vertical |
| 2         | 4572            | 53.87          | 30.26     | -47.99      | 36.13          | 74.00          | 37.87       | Vertical |
| 3         | 6218.25         | 53.94          | 33.63     | -47.51      | 40.06          | 74.00          | 33.94       | Vertical |
| 4         | 8135.25         | 52.16          | 36.45     | -44.57      | 44.04          | 74.00          | 29.96       | Vertical |
| 5         | 10935           | 48.92          | 39.45     | -40.25      | 48.12          | 74.00          | 25.88       | Vertical |
| 6         | 17515.125       | 46.87          | 41.89     | -37.05      | 51.71          | 74.00          | 22.29       | Vertical |
| 7         | 17743.875       | 37.71          | 43.26     | -38.43      | 42.55          | 54.00          | 11.45       | Vertical |

## 11b\_TX\_CH\_11\_Horizontal



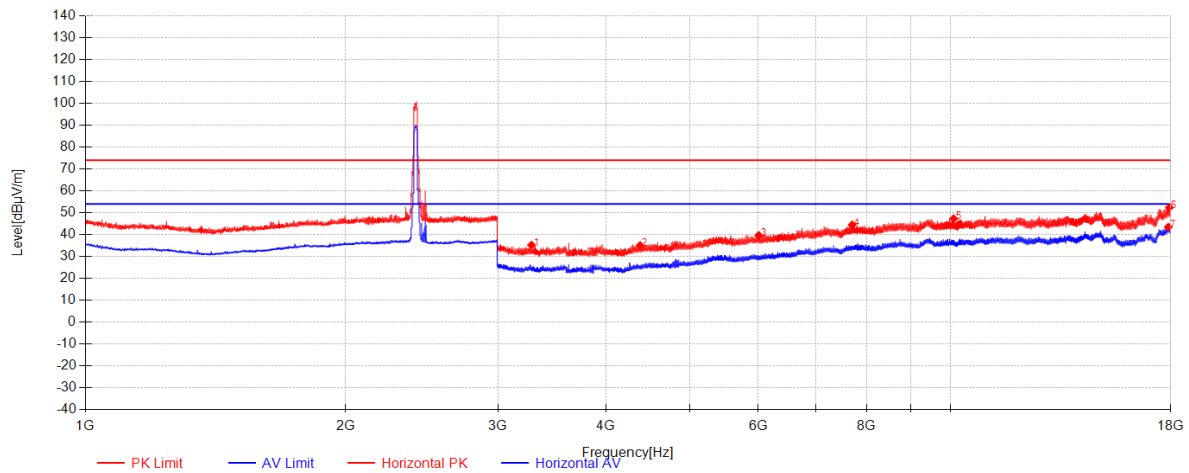
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 3235.5          | 54.27          | 28.29     | -48.11      | 34.44          | 74.00          | 39.56       | Horizontal |
| 2         | 4221.375        | 52.23          | 29.65     | -48.24      | 33.65          | 74.00          | 40.35       | Horizontal |
| 3         | 6363.375        | 54.23          | 34.18     | -47.07      | 41.34          | 74.00          | 32.66       | Horizontal |
| 4         | 8605.875        | 52.31          | 36.97     | -43.98      | 45.30          | 74.00          | 28.70       | Horizontal |
| 5         | 12379.5         | 47.40          | 39.17     | -39.59      | 46.98          | 74.00          | 27.02       | Horizontal |
| 6         | 17864.25        | 46.68          | 43.99     | -38.16      | 52.50          | 74.00          | 21.50       | Horizontal |
| 7         | 17886.75        | 37.76          | 44.12     | -38.16      | 43.73          | 54.00          | 10.27       | Horizontal |

## 11b\_TX\_CH\_11\_Vertical



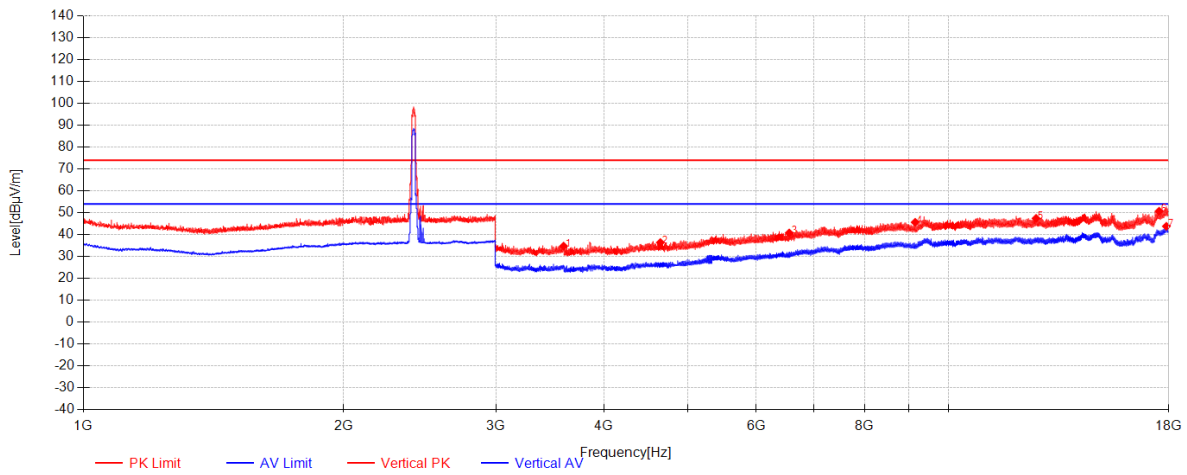
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3450.375        | 54.60          | 28.46     | -48.35      | 34.71          | 74.00          | 39.29       | Vertical |
| 2         | 4298.625        | 52.92          | 29.78     | -47.79      | 34.91          | 74.00          | 39.09       | Vertical |
| 3         | 5684.25         | 54.12          | 32.67     | -47.52      | 39.27          | 74.00          | 34.73       | Vertical |
| 4         | 8406.375        | 51.70          | 36.75     | -44.12      | 44.33          | 74.00          | 29.67       | Vertical |
| 5         | 12759           | 48.05          | 38.94     | -39.29      | 47.71          | 74.00          | 26.29       | Vertical |
| 6         | 17852.25        | 46.55          | 43.91     | -38.17      | 52.29          | 74.00          | 21.71       | Vertical |
| 7         | 17910           | 37.40          | 44.26     | -38.23      | 43.44          | 54.00          | 10.56       | Vertical |

## 11ax(HE20)\_TX\_CH\_01\_Horizontal



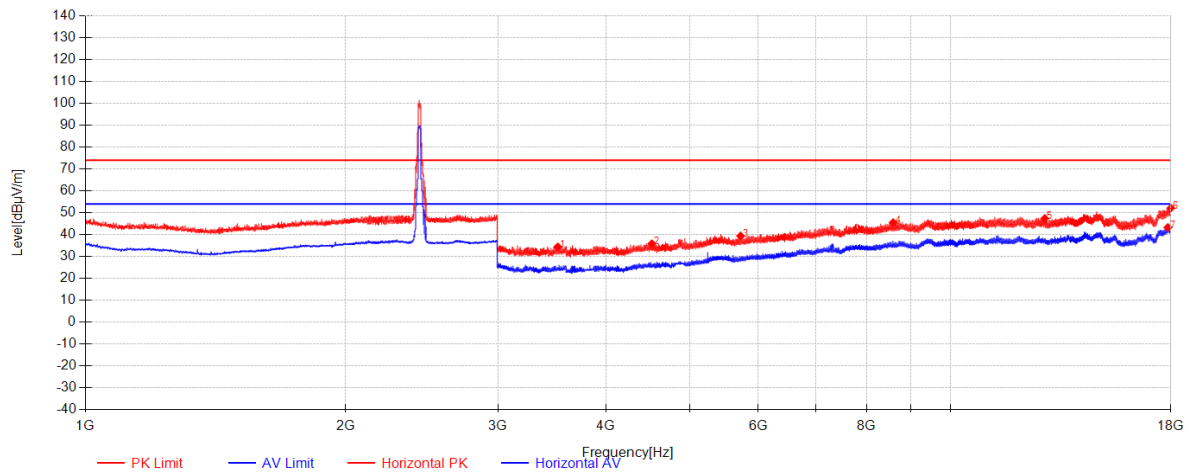
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 3279.75         | 54.95          | 28.32     | -48.06      | 35.22          | 74.00          | 38.78       | Horizontal |
| 2         | 4380            | 53.17          | 29.91     | -48.04      | 35.03          | 74.00          | 38.97       | Horizontal |
| 3         | 6007.5          | 54.32          | 32.83     | -47.49      | 39.66          | 74.00          | 34.34       | Horizontal |
| 4         | 7703.25         | 53.32          | 36.36     | -45.20      | 44.48          | 74.00          | 29.52       | Horizontal |
| 5         | 10091.25        | 50.27          | 38.86     | -41.86      | 47.28          | 74.00          | 26.72       | Horizontal |
| 6         | 17919.75        | 46.29          | 44.32     | -38.30      | 52.31          | 74.00          | 21.69       | Horizontal |
| 7         | 17877           | 37.55          | 44.06     | -38.16      | 43.45          | 54.00          | 10.55       | Horizontal |

## 11ax(HE20)\_TX\_CH\_01\_Verical



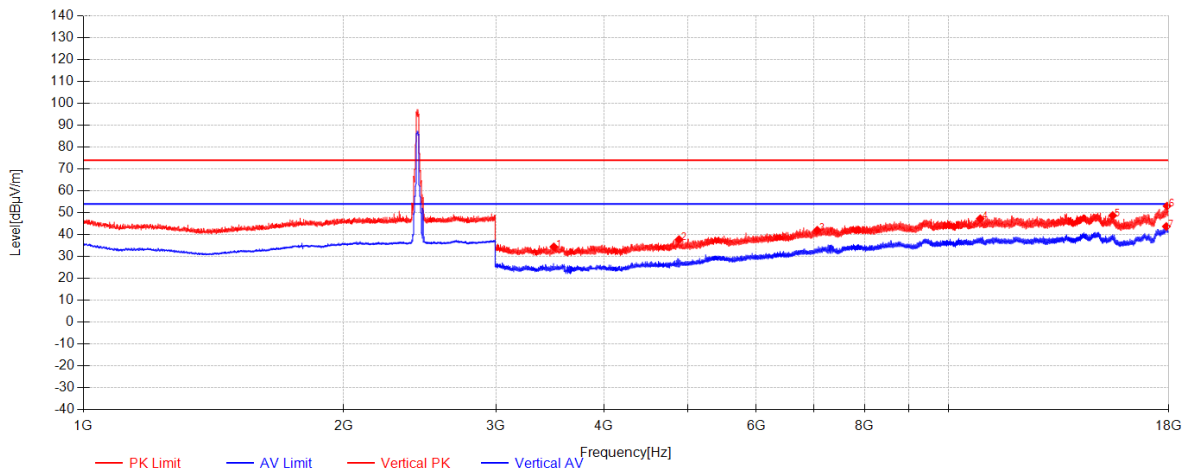
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3591.75         | 54.38          | 28.65     | -48.28      | 34.75          | 74.00          | 39.25       | Vertical |
| 2         | 4647.375        | 53.96          | 30.42     | -47.98      | 36.40          | 74.00          | 37.60       | Vertical |
| 3         | 6550.125        | 53.00          | 34.78     | -47.02      | 40.76          | 74.00          | 33.24       | Vertical |
| 4         | 9160.5          | 51.28          | 37.62     | -43.26      | 45.64          | 74.00          | 28.36       | Vertical |
| 5         | 12637.875       | 47.52          | 39.02     | -39.10      | 47.44          | 74.00          | 26.56       | Vertical |
| 6         | 17535.75        | 46.06          | 42.01     | -37.35      | 50.72          | 74.00          | 23.28       | Vertical |
| 7         | 17877.375       | 37.91          | 44.06     | -38.16      | 43.82          | 54.00          | 10.18       | Vertical |

## 11ax(HE20)\_TX\_CH\_06\_Horizontal



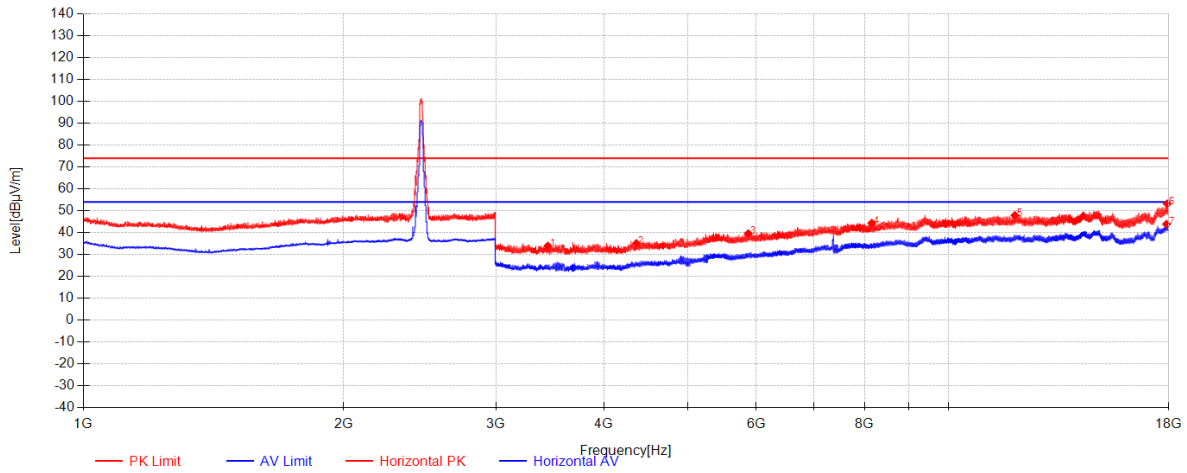
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 3518.25         | 54.16          | 28.53     | -48.29      | 34.40          | 74.00          | 39.60       | Horizontal |
| 2         | 4518.75         | 53.68          | 30.14     | -47.98      | 35.84          | 74.00          | 38.16       | Horizontal |
| 3         | 5723.25         | 54.23          | 32.69     | -47.53      | 39.39          | 74.00          | 34.61       | Horizontal |
| 4         | 8591.625        | 52.56          | 36.95     | -44.00      | 45.51          | 74.00          | 28.49       | Horizontal |
| 5         | 12864.375       | 47.90          | 38.88     | -39.38      | 47.40          | 74.00          | 26.60       | Horizontal |
| 6         | 17993.625       | 46.21          | 44.76     | -38.85      | 52.12          | 74.00          | 21.88       | Horizontal |
| 7         | 17853.375       | 37.53          | 43.92     | -38.17      | 43.28          | 54.00          | 10.72       | Horizontal |

## 11ax(HE20)\_TX\_CH\_06\_Vertical



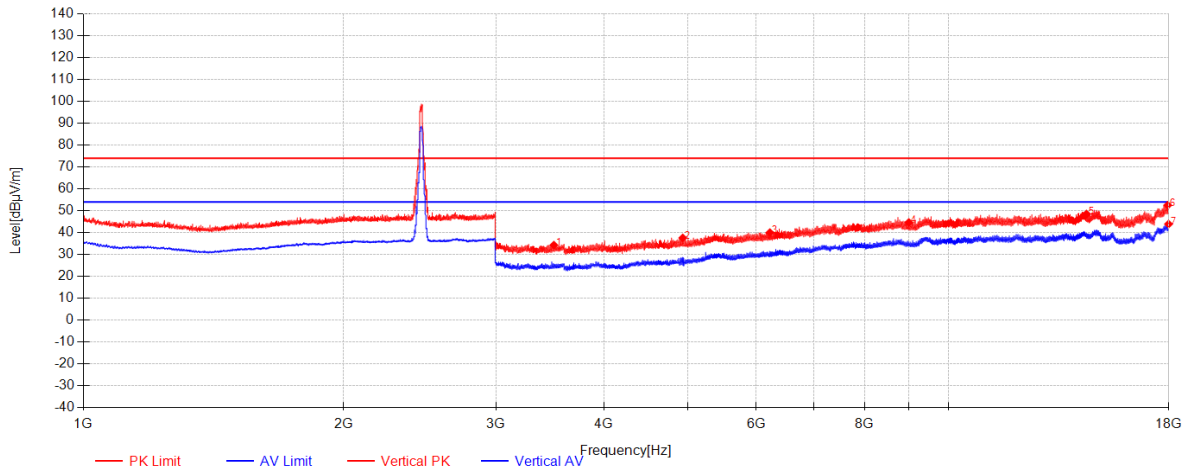
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3499.5          | 54.20          | 28.50     | -48.29      | 34.41          | 74.00          | 39.59       | Vertical |
| 2         | 4884            | 54.82          | 30.94     | -48.03      | 37.74          | 74.00          | 36.26       | Vertical |
| 3         | 7056.75         | 52.57          | 35.60     | -46.16      | 42.01          | 74.00          | 31.99       | Vertical |
| 4         | 10892.25        | 47.93          | 39.42     | -40.07      | 47.29          | 74.00          | 26.71       | Vertical |
| 5         | 15496.5         | 46.02          | 39.31     | -36.61      | 48.72          | 74.00          | 25.28       | Vertical |
| 6         | 17910           | 47.03          | 44.26     | -38.23      | 53.07          | 74.00          | 20.93       | Vertical |
| 7         | 17876.25        | 37.84          | 44.06     | -38.16      | 43.74          | 54.00          | 10.26       | Vertical |

## 11ax(HE20)\_TX\_CH\_11\_Horizontal



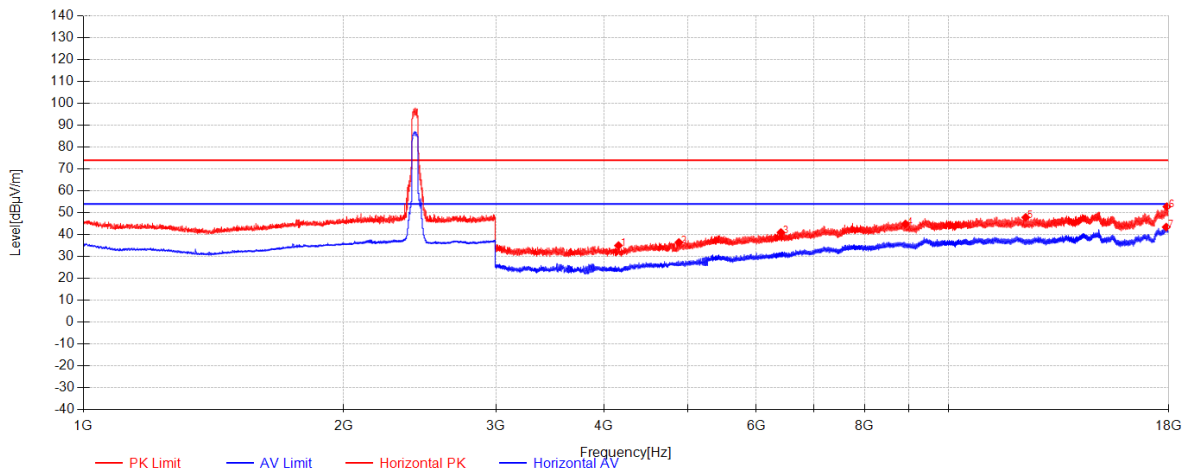
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 3444            | 53.78          | 28.46     | -48.36      | 33.88          | 74.00          | 40.12       | Horizontal |
| 2         | 4360.125        | 53.16          | 29.88     | -47.98      | 35.06          | 74.00          | 38.94       | Horizontal |
| 3         | 5871.75         | 54.11          | 32.75     | -47.29      | 39.57          | 74.00          | 34.43       | Horizontal |
| 4         | 8158.125        | 52.32          | 36.47     | -44.43      | 44.36          | 74.00          | 29.64       | Horizontal |
| 5         | 11943.375       | 48.25          | 39.41     | -39.74      | 47.91          | 74.00          | 26.09       | Horizontal |
| 6         | 17916.75        | 47.20          | 44.30     | -38.28      | 53.22          | 74.00          | 20.78       | Horizontal |
| 7         | 17882.625       | 37.95          | 44.10     | -38.16      | 43.89          | 54.00          | 10.11       | Horizontal |

## 11ax(HE20)\_TX\_CH\_11\_Vertical



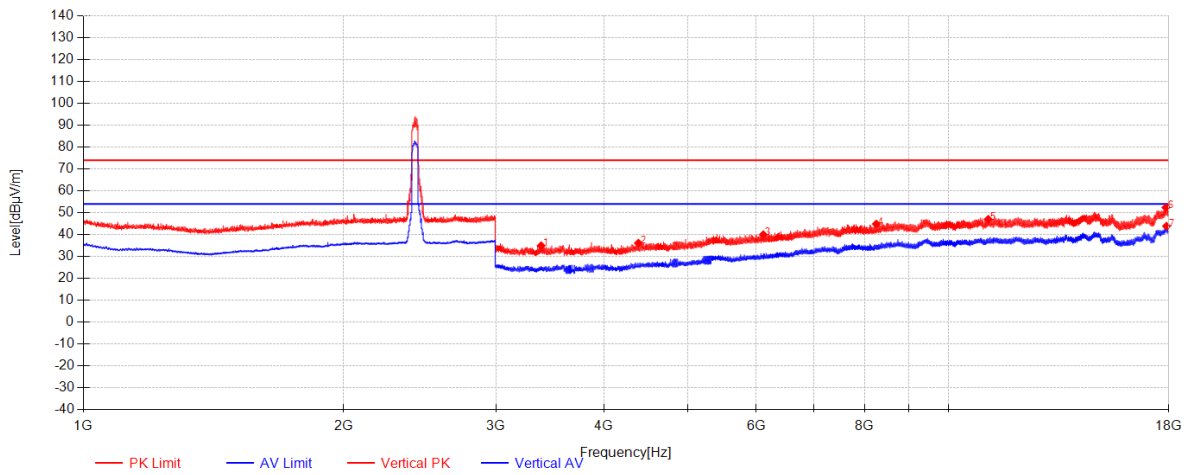
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3499.875        | 54.07          | 28.50     | -48.29      | 34.28          | 74.00          | 39.72       | Vertical |
| 2         | 4933.125        | 54.54          | 31.05     | -48.02      | 37.57          | 74.00          | 36.43       | Vertical |
| 3         | 6220.875        | 53.86          | 33.64     | -47.50      | 40.00          | 74.00          | 34.00       | Vertical |
| 4         | 9006            | 50.37          | 37.41     | -43.15      | 44.63          | 74.00          | 29.37       | Vertical |
| 5         | 14453.25        | 46.83          | 40.25     | -38.57      | 48.51          | 74.00          | 25.49       | Vertical |
| 6         | 17941.5         | 46.53          | 44.45     | -38.46      | 52.52          | 74.00          | 21.48       | Vertical |
| 7         | 17982           | 37.97          | 44.69     | -38.77      | 43.90          | 54.00          | 10.10       | Vertical |

## 11ax(HE40)\_TX\_CH\_03\_Horizontal



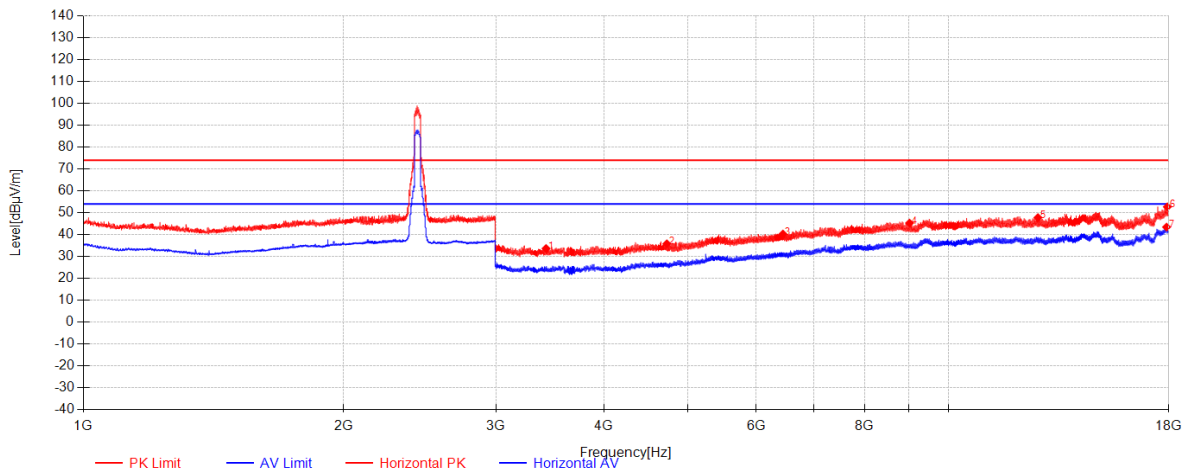
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 4156.875        | 53.68          | 29.55     | -48.23      | 35.00          | 74.00          | 39.00       | Horizontal |
| 2         | 4882.875        | 53.49          | 30.94     | -48.03      | 36.41          | 74.00          | 37.59       | Horizontal |
| 3         | 6407.25         | 53.58          | 34.35     | -46.93      | 40.99          | 74.00          | 33.01       | Horizontal |
| 4         | 8925.75         | 51.35          | 37.32     | -43.81      | 44.86          | 74.00          | 29.14       | Horizontal |
| 5         | 12293.625       | 48.40          | 39.22     | -39.74      | 47.89          | 74.00          | 26.11       | Horizontal |
| 6         | 17903.25        | 46.75          | 44.22     | -38.17      | 52.80          | 74.00          | 21.20       | Horizontal |
| 7         | 17869.5         | 37.60          | 44.02     | -38.16      | 43.45          | 54.00          | 10.55       | Horizontal |

## 11ax(HE40)\_TX\_CH\_03\_Vertical



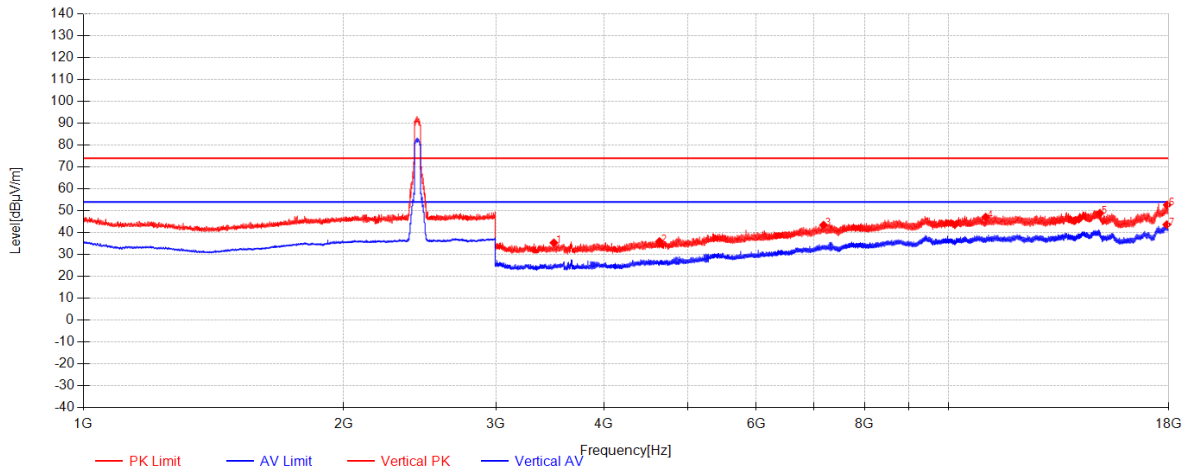
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3383.25         | 54.88          | 28.41     | -48.35      | 34.94          | 74.00          | 39.06       | Vertical |
| 2         | 4383.75         | 54.26          | 29.91     | -48.06      | 36.12          | 74.00          | 37.88       | Vertical |
| 3         | 6112.5          | 54.16          | 33.23     | -47.40      | 39.99          | 74.00          | 34.01       | Vertical |
| 4         | 8259            | 52.66          | 36.58     | -44.40      | 44.85          | 74.00          | 29.15       | Vertical |
| 5         | 11123.625       | 47.90          | 39.49     | -40.36      | 47.03          | 74.00          | 26.97       | Vertical |
| 6         | 17854.125       | 46.65          | 43.92     | -38.17      | 52.41          | 74.00          | 21.59       | Vertical |
| 7         | 17884.5         | 37.94          | 44.11     | -38.16      | 43.89          | 54.00          | 10.11       | Vertical |

## 11ax(HE40)\_TX\_CH\_06\_Horizontal



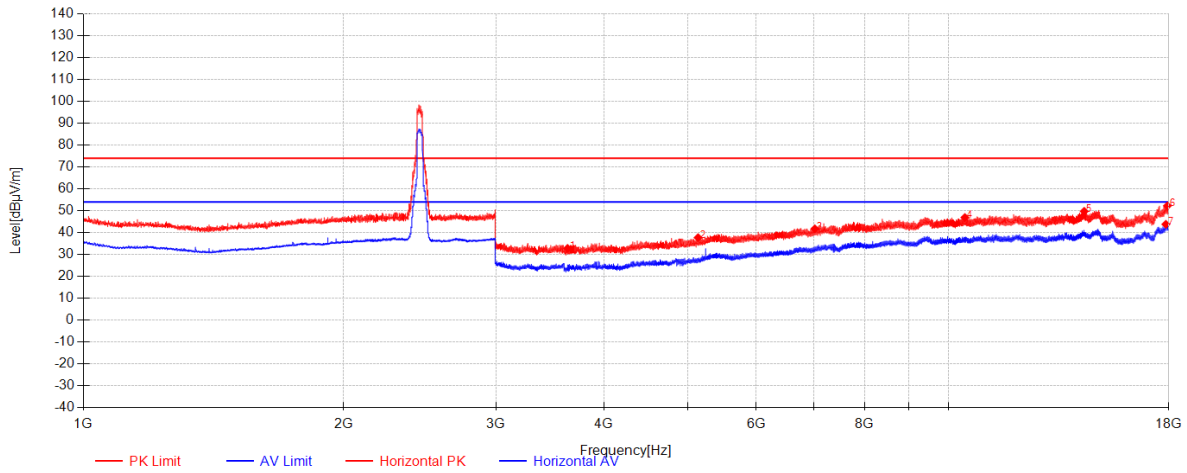
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 3427.875        | 53.60          | 28.44     | -48.38      | 33.67          | 74.00          | 40.33       | Horizontal |
| 2         | 4728.375        | 53.16          | 30.60     | -47.97      | 35.79          | 74.00          | 38.21       | Horizontal |
| 3         | 6441.375        | 52.77          | 34.48     | -46.95      | 40.29          | 74.00          | 33.71       | Horizontal |
| 4         | 9022.125        | 50.95          | 37.43     | -43.10      | 45.28          | 74.00          | 28.72       | Horizontal |
| 5         | 12699.375       | 48.08          | 38.98     | -39.27      | 47.79          | 74.00          | 26.21       | Horizontal |
| 6         | 17925           | 46.71          | 44.35     | -38.34      | 52.72          | 74.00          | 21.28       | Horizontal |
| 7         | 17884.875       | 37.50          | 44.11     | -38.16      | 43.45          | 54.00          | 10.55       | Horizontal |

## 11ax(HE40)\_TX\_CH\_06\_Vertical



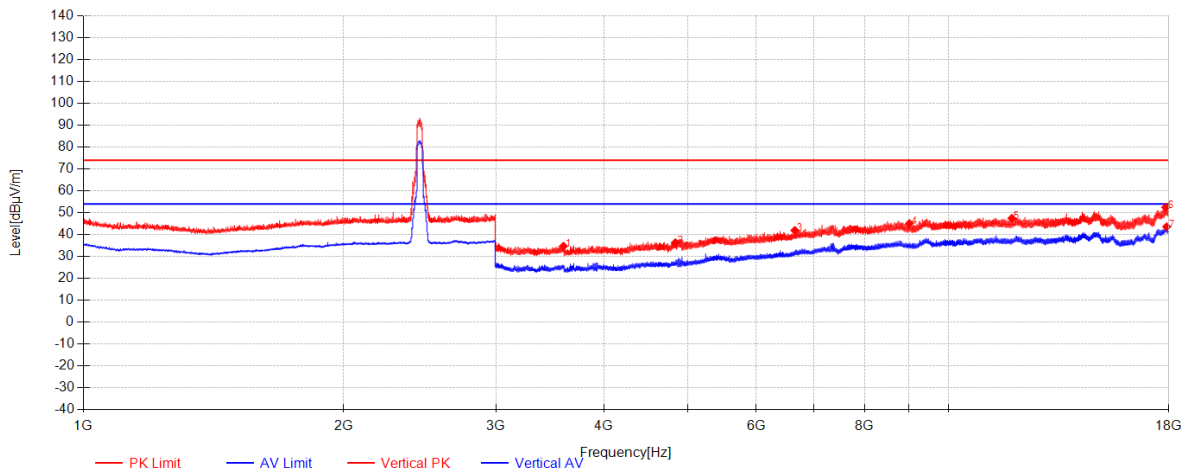
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3500.25         | 55.12          | 28.50     | -48.29      | 35.33          | 74.00          | 38.67       | Vertical |
| 2         | 4636.875        | 53.53          | 30.40     | -47.99      | 35.95          | 74.00          | 38.05       | Vertical |
| 3         | 7177.125        | 53.73          | 35.82     | -46.12      | 43.43          | 74.00          | 30.57       | Vertical |
| 4         | 11051.25        | 48.13          | 39.49     | -40.53      | 47.10          | 74.00          | 26.90       | Vertical |
| 5         | 14976.75        | 46.54          | 40.20     | -37.85      | 48.89          | 74.00          | 25.11       | Vertical |
| 6         | 17920.5         | 46.65          | 44.32     | -38.30      | 52.67          | 74.00          | 21.33       | Vertical |
| 7         | 17898           | 37.63          | 44.19     | -38.15      | 43.67          | 54.00          | 10.33       | Vertical |

## 11ax(HE40)\_TX\_CH\_09\_Horizontal



| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 3629.625        | 52.45          | 28.71     | -48.35      | 32.81          | 74.00          | 41.19       | Horizontal |
| 2         | 5138.625        | 53.96          | 31.59     | -47.85      | 37.70          | 74.00          | 36.30       | Horizontal |
| 3         | 7011.75         | 52.74          | 35.52     | -46.51      | 41.75          | 74.00          | 32.25       | Horizontal |
| 4         | 10454.625       | 48.71          | 39.12     | -40.92      | 46.91          | 74.00          | 27.09       | Horizontal |
| 5         | 14366.625       | 48.03          | 40.26     | -38.53      | 49.77          | 74.00          | 24.23       | Horizontal |
| 6         | 17925.375       | 46.25          | 44.35     | -38.34      | 52.26          | 74.00          | 21.74       | Horizontal |
| 7         | 17852.625       | 38.05          | 43.92     | -38.17      | 43.80          | 54.00          | 10.20       | Horizontal |

## 11ax(HE40)\_TX\_CH\_09\_Vertical



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 3590.625        | 54.39          | 28.65     | -48.28      | 34.75          | 74.00          | 39.25       | Vertical |
| 2         | 4836.75         | 53.53          | 30.84     | -48.02      | 36.35          | 74.00          | 37.65       | Vertical |
| 3         | 6647.625        | 53.83          | 34.94     | -46.81      | 41.95          | 74.00          | 32.05       | Vertical |
| 4         | 9020.25         | 50.76          | 37.43     | -43.10      | 45.09          | 74.00          | 28.91       | Vertical |
| 5         | 11847.375       | 48.00          | 39.42     | -39.93      | 47.49          | 74.00          | 26.51       | Vertical |
| 6         | 17844           | 46.79          | 43.86     | -38.17      | 52.48          | 74.00          | 21.52       | Vertical |
| 7         | 17890.875       | 37.63          | 44.15     | -38.15      | 43.62          | 54.00          | 10.38       | Vertical |

## 7.5 Maximum Conducted Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)  
Test Method: ANSI C63.10-2020+Cor.1-2023 Section 11.9.1

Limit:

| Frequency range(MHz) | Output power of the intentional radiator(watt)         |
|----------------------|--------------------------------------------------------|
| 902-928              | 1 for $\geq 50$ hopping channels                       |
|                      | 0.25 for $25 \leq$ hopping channels $< 50$             |
|                      | 1 for digital modulation                               |
| 2400-2483.5          | 1 for $\geq 75$ non-overlapping hopping channels       |
|                      | 0.125 for all other frequency hopping systems          |
|                      | 1 for digital modulation                               |
| 5725-5850            | 1 for frequency hopping systems and digital modulation |

### 7.5.1 E.U.T. Operation

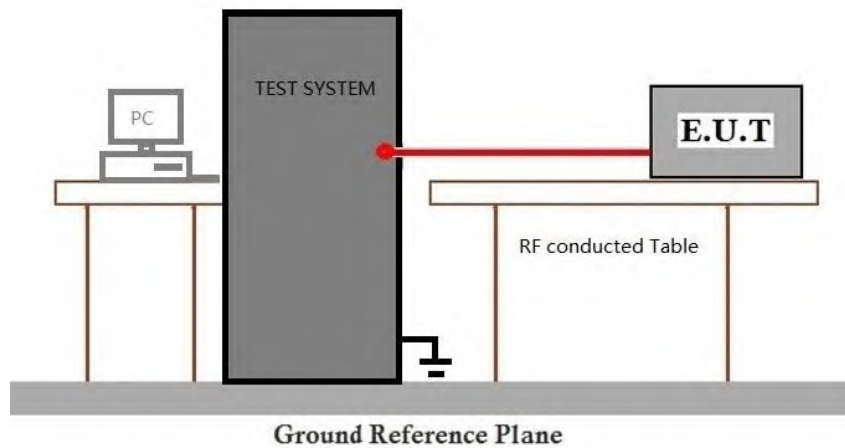
Operating Environment:

Temperature: 25.4 °C Humidity: 59.0 % RH Atmospheric Pressure: 1010 mbar

### 7.5.2 Test Mode Description

| Pre-scan /<br>Final test | Mode<br>Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test               | 00           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

## 7.5.3 Test Setup Diagram



## 7.5.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

## 7.6 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)  
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 11.8.1

Limit:  
 ≥500 kHz

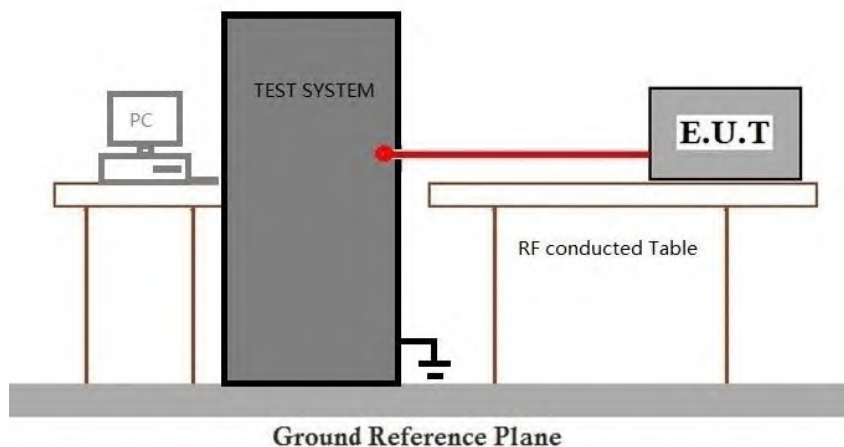
### 7.6.1 E.U.T. Operation

Operating Environment:  
 Temperature: 25.4 °C Humidity: 59.0 % RH Atmospheric Pressure: 1010 mbar

### 7.6.2 Test Mode Description

| Pre-scan /<br>Final test | Mode<br>Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test               | 00           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

### 7.6.3 Test Setup Diagram



### 7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.7 Power Spectral Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e)  
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

### 7.7.1 E.U.T. Operation

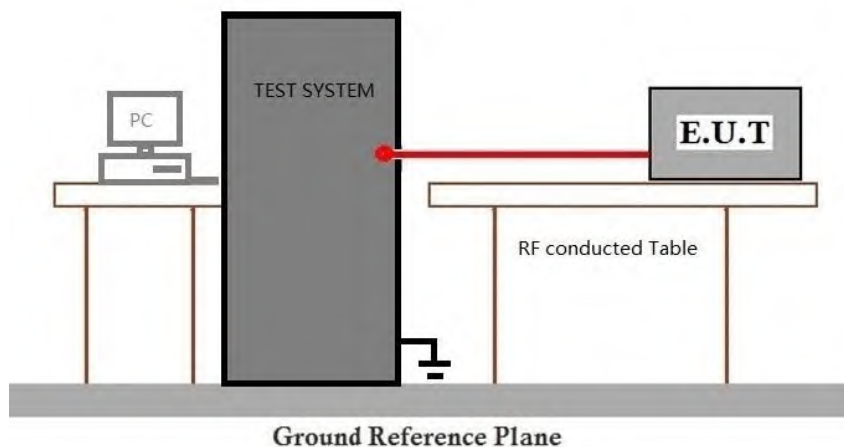
Operating Environment:

Temperature: 25.4 °C Humidity: 59.0 % RH Atmospheric Pressure: 1010 mbar

### 7.7.2 Test Mode Description

| Pre-scan /<br>Final test | Mode<br>Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test               | 00           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

### 7.7.3 Test Setup Diagram



### 7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.8 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.10.4

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

### 7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 25.4 °C

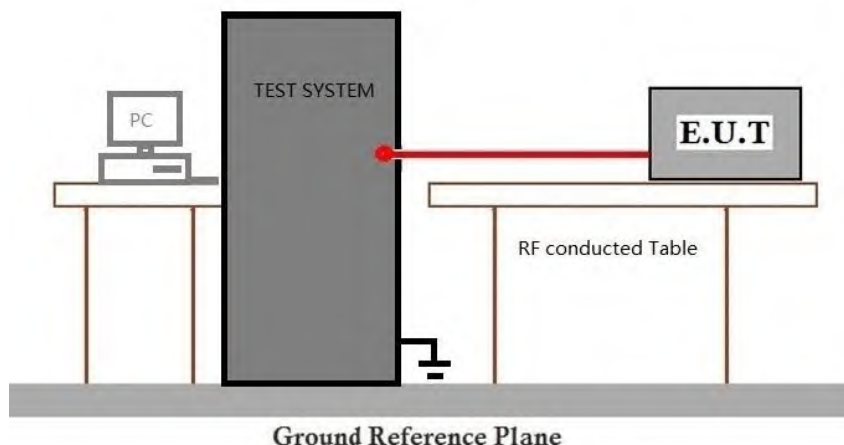
Humidity: 59.0 % RH

Atmospheric Pressure: 1010 mbar

### 7.8.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test            | 00        | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

### 7.8.3 Test Setup Diagram





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#### **7.8.4 Measurement Procedure and Data**

Please Refer to Appendix for Details

## 7.9 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

### 7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 25.4 °C

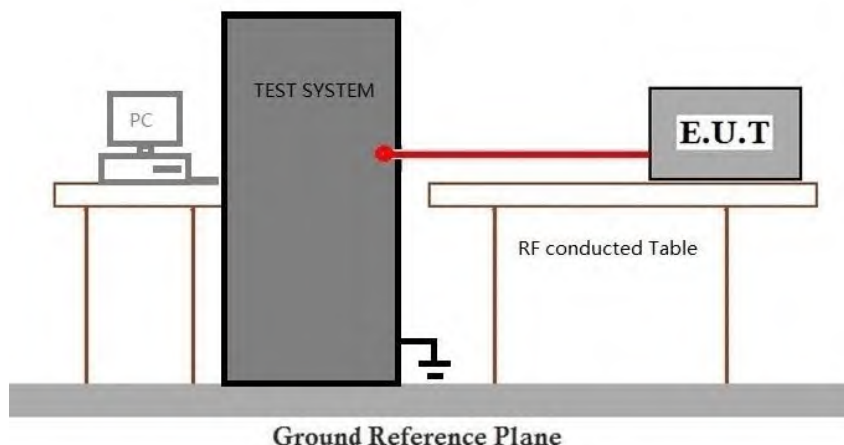
Humidity: 59.0 % RH

Atmospheric Pressure: 1010 mbar

### 7.9.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test            | 00        | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate MCS0 is the worst case of IEEE 802.11ax(HEW40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |

### 7.9.3 Test Setup Diagram





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#### **7.9.4 Measurement Procedure and Data**

Please Refer to Appendix for Details



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## **8 Test Setup Photo**

Refer to Appendix - Test Setup Photo for KSCR2606001555AT

## **9 EUT Constructional Details (EUT Photos)**

Refer to Appendix\_Photographs of EUT Constructional Details for KSCR2606001555AT

## 10 Appendix

### 1. Duty Cycle

#### 1.1 Test Result

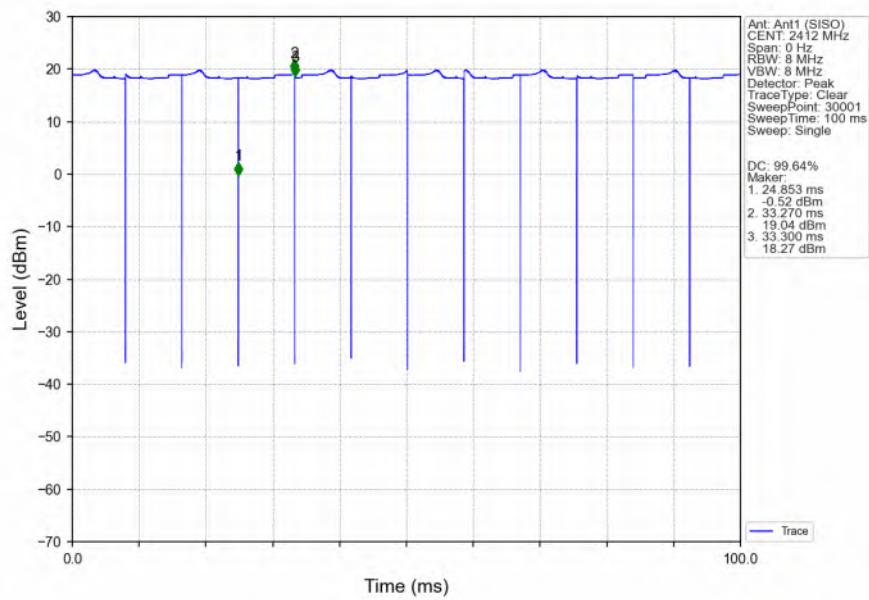
##### 1.1.1 Ant1

| Ant1             |         |                 |    |        |           |             |                |                                   |                       |
|------------------|---------|-----------------|----|--------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11b          | SISO    | 2412            | /  | /      | 8.417     | 8.447       | 99.64          | 0.02                              | 0.04                  |
|                  |         | 2437            | /  | /      | 8.417     | 8.447       | 99.64          | 0.02                              | 0.04                  |
|                  |         | 2462            | /  | /      | 8.416     | 8.446       | 99.64          | 0.02                              | 0.04                  |
| 802.11g          | SISO    | 2412            | /  | /      | 1.396     | 1.432       | 97.49          | 0.11                              | 0.03                  |
|                  |         | 2437            | /  | /      | 1.398     | 1.432       | 97.63          | 0.10                              | 0.03                  |
|                  |         | 2462            | /  | /      | 1.397     | 1.433       | 97.49          | 0.11                              | 0.03                  |
| 802.11n (HT20)   | SISO    | 2412            | /  | /      | 5.091     | 5.125       | 99.34          | 0.03                              | 0.03                  |
|                  |         | 2437            | /  | /      | 5.089     | 5.123       | 99.34          | 0.03                              | 0.04                  |
|                  |         | 2462            | /  | /      | 5.091     | 5.125       | 99.34          | 0.03                              | 0.03                  |
| 802.11n (HT40)   | SISO    | 2422            | /  | /      | 10.130    | 10.167      | 99.64          | 0.02                              | 0.03                  |
|                  |         | 2437            | /  | /      | 10.130    | 10.167      | 99.64          | 0.02                              | 0.03                  |
|                  |         | 2452            | /  | /      | 10.130    | 10.166      | 99.65          | 0.02                              | 0.03                  |
| 802.11ax (HEW20) | SISO    | 2412            | SU | /      | 3.876     | 3.912       | 99.08          | 0.04                              | 0.03                  |
|                  |         | 2437            | SU | /      | 3.876     | 3.913       | 99.05          | 0.04                              | 0.04                  |
|                  |         | 2462            | SU | /      | 3.877     | 3.913       | 99.08          | 0.04                              | 0.07                  |
| 802.11ax (HEW40) | SISO    | 2422            | SU | /      | 3.872     | 3.907       | 99.10          | 0.04                              | 0.04                  |
|                  |         | 2437            | SU | /      | 3.874     | 3.909       | 99.10          | 0.04                              | 0.04                  |
|                  |         | 2452            | SU | /      | 3.874     | 3.909       | 99.10          | 0.04                              | 0.04                  |

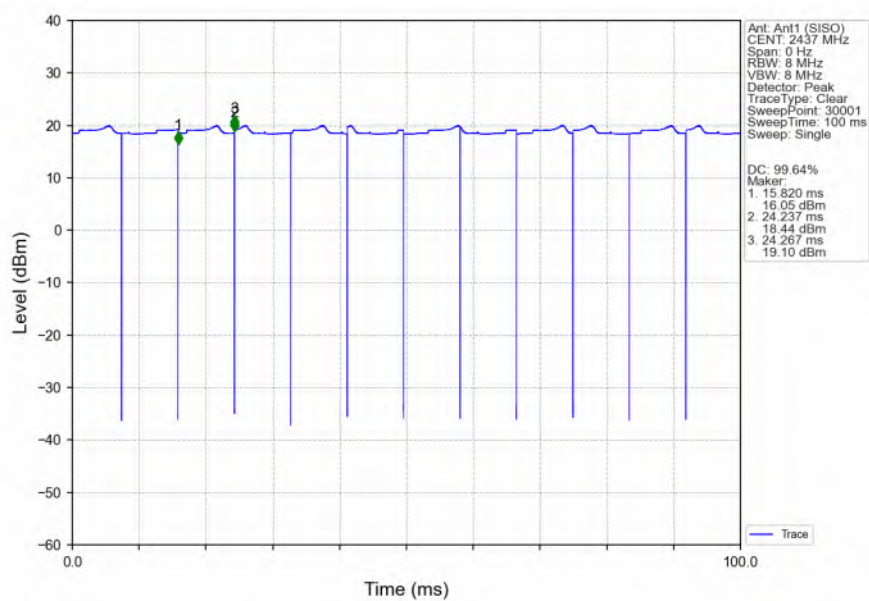
## 1.2 Test Graph

### 1.2.1 Ant1

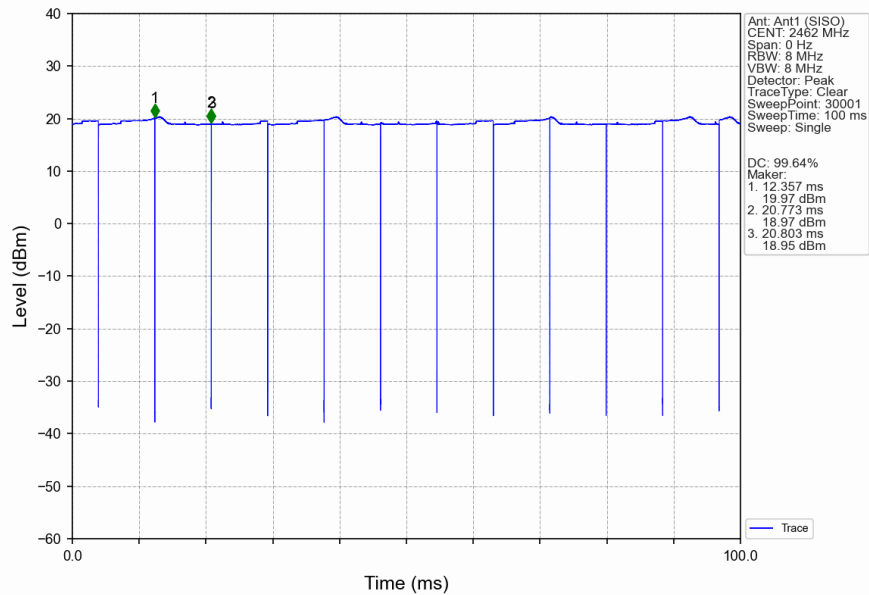
802.11b LCH 2412MHz Ant1 (SISO) NTN



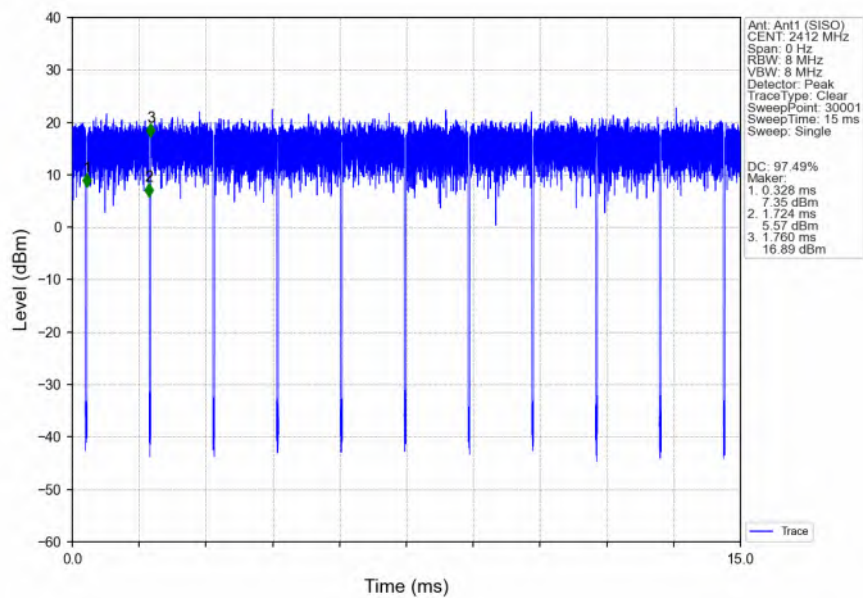
802.11b MCH 2437MHz Ant1 (SISO) NTN



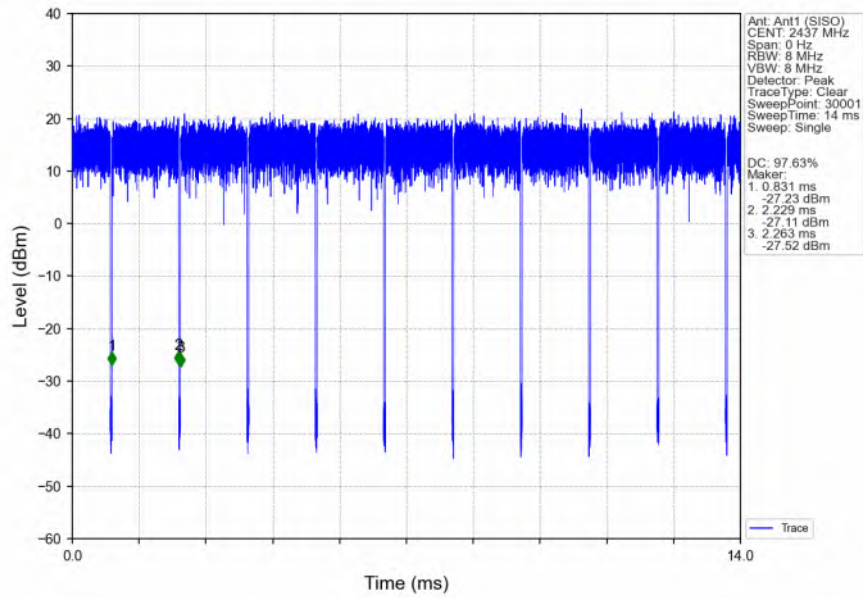
## 802.11b HCH 2462MHz Ant1 (SISO) NTN



## 802.11g LCH 2412MHz Ant1 (SISO) NTN



802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

