

# TEST REPORT

Product Name : **Smart CT**  
Model Number : **SUN-SMART-CTU2-L**  
FCC ID : **2AV6UCTU2-L**

Prepared for : NingBo Deye Inverter Technology Co., Ltd.  
Address : No. 26 South YongJiang Road, Daqi, Beilun, NingBo,  
Zhejiang, China

Prepared by : EMTEK (NINGBO) CO., LTD.  
Address : No. 8, Building 8, Lane 216, Qingyi Road, Ningbo  
High-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-27907998  
Fax: +86-574-27721538

Report Number : ENB2603300254W00201R  
Date(s) of Tests : March 30, 2026 to June 03, 2026  
Date of Issue : June 06, 2026

## Table of Contents

|                                                    |           |
|----------------------------------------------------|-----------|
| <b>1 TEST RESULT CERTIFICATION .....</b>           | <b>3</b>  |
| <b>2 EUT TECHNICAL DESCRIPTION .....</b>           | <b>5</b>  |
| <b>3 SUMMARY OF TEST RESULT .....</b>              | <b>6</b>  |
| <b>4 TEST METHODOLOGY .....</b>                    | <b>7</b>  |
| 4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS ..... | 7         |
| 4.2 MEASUREMENT EQUIPMENT USED .....               | 7         |
| 4.3 DESCRIPTION OF TEST MODES .....                | 9         |
| <b>5 FACILITIES AND ACCREDITATIONS .....</b>       | <b>10</b> |
| 5.1 FACILITIES .....                               | 10        |
| 5.2 LABORATORY ACCREDITATIONS AND LISTINGS .....   | 10        |
| <b>6 TEST SYSTEM UNCERTAINTY .....</b>             | <b>11</b> |
| <b>7 SETUP OF EQUIPMENT UNDER TEST .....</b>       | <b>12</b> |
| 7.1 RADIO FREQUENCY TEST SETUP 1 .....             | 12        |
| 7.2 RADIO FREQUENCY TEST SETUP 2 .....             | 12        |
| 7.3 CONDUCTED EMISSION TEST SETUP .....            | 14        |
| 7.4 SUPPORT EQUIPMENT .....                        | 14        |
| <b>8 TEST REQUIREMENTS .....</b>                   | <b>15</b> |
| 8.1 BANDWIDTH TEST .....                           | 15        |
| 8.2 RADIATED SPURIOUS EMISSION .....               | 18        |
| 8.3 CONDUCTED EMISSIONS TEST .....                 | 52        |
| 8.4 ANTENNA APPLICATION .....                      | 57        |

## 1 TEST RESULT CERTIFICATION

|              |   |                                                                    |
|--------------|---|--------------------------------------------------------------------|
| Applicant    | : | NingBo Deye Inverter Technology Co., Ltd.                          |
| Address      | : | No. 26 South YongJiang Road, Daqi, Beilun, NingBo, Zhejiang, China |
| Manufacturer | : | NingBo Deye Inverter Technology Co., Ltd.                          |
| Address      | : | No. 26 South YongJiang Road, Daqi, Beilun, NingBo, Zhejiang, China |
| Trade Mark   | : | Deye                                                               |
| EUT          | : | Smart CT                                                           |
| Model No.    | : | SUN-SMART-CTU2-L                                                   |

Measurement Procedure Used:

| APPLICABLE STANDARDS                                          |             |
|---------------------------------------------------------------|-------------|
| STANDARD                                                      | TEST RESULT |
| FCC 47 CFR Part 2, Subpart J<br>FCC 47 CFR Part 15, Subpart C | PASS        |

The above equipment was tested by EMTEK (NINGBO) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2020) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.249.

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

|                                |                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| Date of Test :                 | March 30, 2026 to June 03, 2026                                                                              |
| Prepared by :                  | <br>WK Luo /Engineer     |
| Reviewer :                     | <br>June Gao /Supervisor |
| Approved & Authorized Signer : | <br>Tony Wei /Manager    |

## Modified History

| Version | Report No.           | Revision Date | Summary  |
|---------|----------------------|---------------|----------|
| /       | ENB2603300254W00201R | /             | See Note |



## 2 EUT TECHNICAL DESCRIPTION

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| Product:            | Smart CT                                                                |
| Model Number:       | SUN-SMART-CTU2-L                                                        |
| Sample Number:      | ENB2603300254W002-1-1                                                   |
| Power Supply:       | AC 85~300V, 50/60Hz                                                     |
| Test Voltage:       | AC 120V/60Hz                                                            |
| Modulation:         | FSK                                                                     |
| Frequency Range:    | 920.0-928.0 MHz                                                         |
| Number of Channels: | 10 Channels                                                             |
| Max Transmit Power: | 80.58 dBuV/m for Dipole Antenna<br>78.34 dBuV/m for Suction cup antenna |
| Antenna:            | Antenna 1: Dipole Antenna<br>Antenna 2: Suction cup antenna             |
| Antenna Gain:       | -0.13 dBi for Dipole Antenna<br>1.60 dBi for Suction cup antenna        |
| Temperature Range:  | -40 °C ~ +60 °C                                                         |
| Date of Receiver:   | March 30, 2026                                                          |

*Note: for more details, please refer to the user's manual of the EUT.*

### 3 SUMMARY OF TEST RESULT

| FCC Part Clause | Test Parameter             | Verdict | Remark |
|-----------------|----------------------------|---------|--------|
| 15.207          | Conducted Emission         | PASS    |        |
| 15.209          | Radiated Emission          | PASS    |        |
| 15.249          | Radiated Spurious Emission | PASS    |        |
| 15.249          | Band edge test             | PASS    |        |
| 15.249          | 20dB Bandwidth             | PASS    |        |
| 15.203          | Antenna Requirement        | PASS    |        |

NOTE1: N/A is an abbreviation for not applicable

NOTE2: The report use radiated measurements in the restricted frequency bands. In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.

#### RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for FCC ID: 2AV6UCTU2-L filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.



## 4 TEST METHODOLOGY

### 4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:  
FCC 47 CFR Part 2, Subpart J  
FCC 47 CFR Part 15, Subpart C

### 4.2 MEASUREMENT EQUIPMENT USED

#### 4.2.1 Conducted Emission Test Equipment

| Equ. No. | Equipment               | Manufacturer | Model No.    | Serial No.       | Last Cal.      | Cal. Interval |
|----------|-------------------------|--------------|--------------|------------------|----------------|---------------|
| ENE-001  | EMI Test Receiver       | R & S        | ESCI         | 101108           | Oct. 24, 2025  | 1 Year        |
| ENE-158  | L.I.S.N                 | Schwarzbeck  | NNLK 8129    | 0373             | Oct. 24, 2025  | 1 Year        |
| ENE-159  | Pulse Limiter           | Schwarzbeck  | VTSD 9561F-N | 2611115-001-0033 | Oct. 23, 2025  | 1 Year        |
| ENE-278  | RF Switching Unit       | HTEC         | HRSU         | 222101           | June 19, 2025  | 1 Year        |
| ENE-149  | Conduction Test Room 1# | SKET         | 11.5*5*4m    | /                | March 05, 2025 | 3 Year        |

#### 4.2.2 Radiated Emission Test Equipment

| Equ. No. | Equipment                               | Manufacturer  | Model No.    | Serial No.    | Last Cal.      | Cal. Interval |
|----------|-----------------------------------------|---------------|--------------|---------------|----------------|---------------|
| ENE-185  | EMI Test Receiver                       | R&S           | ESR7         | 102480        | March 02, 2026 | 1 Year        |
| ENE-188  | Low Frequency Field Antenna             | Schwarzbeck   | FMZB 1513-60 | 00026         | June 26, 2025  | 3 Year        |
| ENE-190  | Antenna Multiple                        | Schwarzbeck   | VULB 9163    | 01499         | March 09, 2025 | 3 Year        |
| ENE-195  | Pre-Amplifier                           | JS Denki      | PA09K03-40   | JSPA21019     | March 02, 2026 | 1 Year        |
| ENE-204  | Low Frequency Notch Filter RF Switching | JS Denki      | JSDSW-F      | JSDSW2211 D02 | March 02, 2026 | 1 Year        |
| ENE-251  | 6dB Attenuator                          | Mini-Circuits | UNAT-6+      | 11542         | June 18, 2025  | 1 Year        |
| ENE-144  | 3-Meter Anechoic Chamber2#              | SKET          | 9*6*6m       | /             | June 21, 2025  | 3 Year        |
| ENE-171  | EXA Signal Analyzer                     | KEYSIGHT      | N9010B       | MY60242467    | Oct. 24, 2025  | 1 Year        |
| ENE-191  | Horn Antenna                            | Schwarzbeck   | BBHA 9120 D  | 02588         | March 09, 2025 | 3 Year        |
| ENE-198  | Pre-Amplifier                           | JS Denki      | PA0118-50    | JSPA21022     | March 02, 2026 | 1 Year        |
| ENE-206  | High Frequency Notch FilterRf Switching | JS Denki      | JSDSW-F      | 202083582     | March 02, 2026 | 1 Year        |

#### 4.2.3 Radio Frequency Test Equipment

| Equ. No. | Equipment            | Manufacturer | Model No.      | Serial No. | Last Cal.      | Cal. Interval |
|----------|----------------------|--------------|----------------|------------|----------------|---------------|
| ENE-256  | EXA Signal Anaalyzer | Keysight     | N9010B         | MY62060219 | June 19, 2025  | 1 Year        |
| ENE-172  | RF Control Unit      | Tonscend     | JS0806-2(V.6E) | 21L8060521 | March 02, 2026 | 1 Year        |



### 4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

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

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

The EUT has been tested under its typical operating condition so those modulation and channel were used for all test.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Frequency and Channel list:

| Channel   | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|-----------|-----------------|---------|-----------------|---------|-----------------|
| 0         | 920.95          | 4       | 923.95          | 8       | 926.55          |
| 1         | 921.60          | 5       | 924.60          | 9       | 927.20          |
| 2         | 922.25          | 6       | 925.25          |         |                 |
| 3         | 922.90          | 7       | 925.90          |         |                 |
| Note: N/A |                 |         |                 |         |                 |

Test Frequency and Channel list:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|---------|-----------------|
| 0       | 920.95          | 4       | 923.95          | 9       | 927.20          |

## 5 FACILITIES AND ACCREDITATIONS

### 5.1 FACILITIES

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

EMTEK (NINGBO) Co., Ltd.

No. 8, Building 8, Lane 216, Qingyi Road, Ningbo High-Tech Zone, Ningbo, Zhejiang, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

### 5.2 EQUIPMENT

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

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

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

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

### 5.3 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L6666.

The Laboratory has been assessed and proved to be in compliance with  
CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)

**Designation by FCC**

Designation Number: CN1354

Test Firm Registration Number: 427606

**Accredited by A2LA**

The Certificate Number is 4321.03.

**Accredited by ISED**

The Conformity Assessment Body Identifier is CN0114

Name of Firm : EMTEK (NINGBO) CO., LTD.

Site Location : No. 8, Building 8, Lane 216, Qingyi Road, Ningbo High-Tech Zone,  
Ningbo, Zhejiang, China

## 6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Parameter                      | Uncertainty             |
|--------------------------------|-------------------------|
| Radio Frequency                | $\pm 1 \times 10^{-5}$  |
| Maximum Peak Output Power Test | $\pm 1.0\text{dB}$      |
| Conducted Emissions Test       | $\pm 2.0\text{dB}$      |
| Radiated Emission Test         | $\pm 2.0\text{dB}$      |
| Occupied Bandwidth Test        | $\pm 1.0\text{dB}$      |
| Band Edge Test                 | $\pm 3\text{dB}$        |
| All emission, radiated         | $\pm 3\text{dB}$        |
| Temperature                    | $\pm 0.5^\circ\text{C}$ |
| Humidity                       | $\pm 3\%$               |

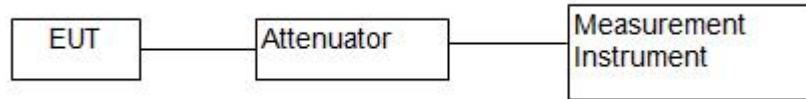
Measurement Uncertainty for a level of Confidence of 95%



## 7 SETUP OF EQUIPMENT UNDER TEST

### 7.1 RADIO FREQUENCY TEST SETUP 1

The EUT wireless component's antenna port(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



### 7.2 RADIO FREQUENCY TEST SETUP 2

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020 and CAN/CSA-CEI/IEC CISPR 32.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

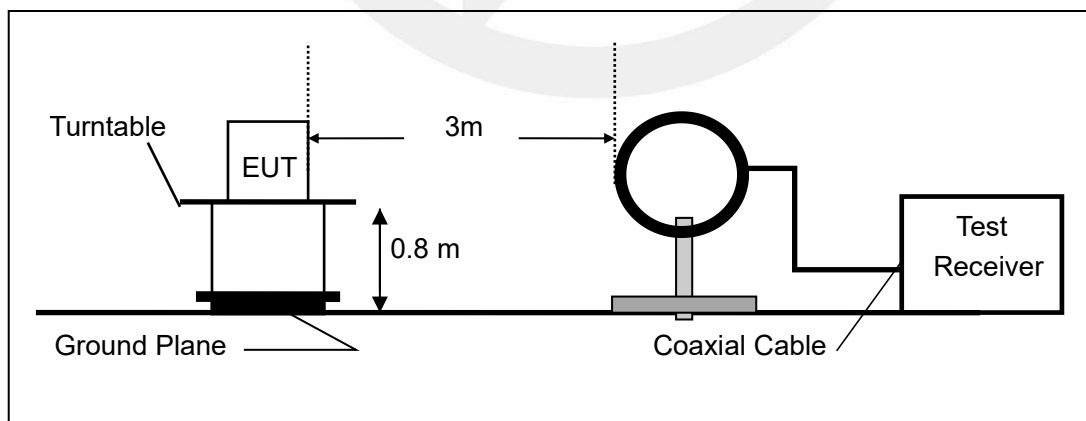
30MHz-1GHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

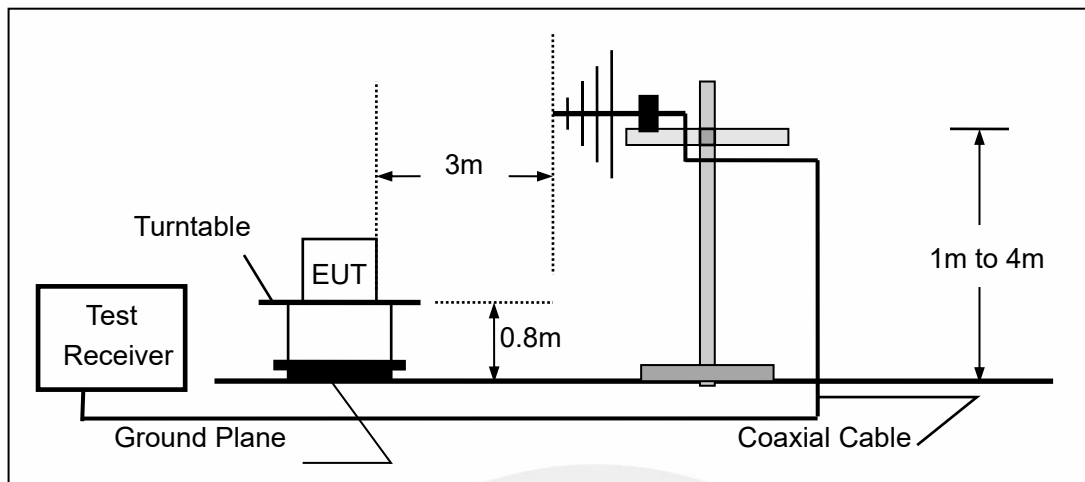
Above 1GHz:

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

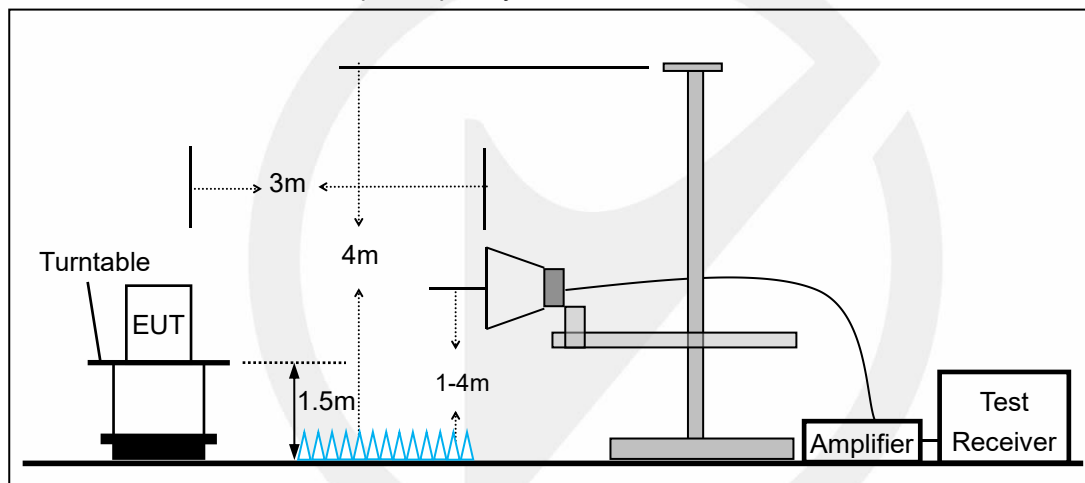
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

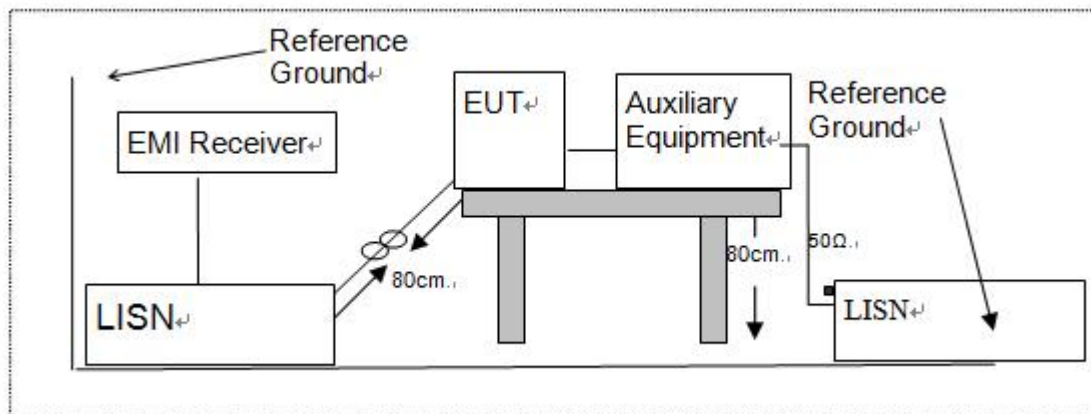


### 7.3 CONDUCTED EMISSION TEST SETUP

The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2020 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



### 7.4 SUPPORT EQUIPMENT

| EUT Cable List and Details |            |                     |                        |
|----------------------------|------------|---------------------|------------------------|
| Cable Description          | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| /                          | /          | /                   | /                      |

| Auxiliary Cable List and Details |            |                     |                        |
|----------------------------------|------------|---------------------|------------------------|
| Cable Description                | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| /                                | /          | /                   | /                      |

| Auxiliary Equipment List and Details |              |       |               |
|--------------------------------------|--------------|-------|---------------|
| Description                          | Manufacturer | Model | Serial Number |
| /                                    | /            | /     | /             |

#### Notes:

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

## 8 TEST REQUIREMENTS

### 8.1 BANDWIDTH TEST

#### 8.1.1 Applicable Standard

According to FCC Part 15.249

#### 8.1.2 Conformance Limit

N/A

#### 8.1.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

#### 8.1.4 Test Procedure

The EUT was operating in controlled its channel. Printed out the test result from the spectrum by hard copy function.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW  $\geq$  1% of the 20 dB bandwidth

Set the video bandwidth (VBW)  $\geq$  RBW

Set Span= approximately 2 to 3 times the 20 dB bandwidth

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

Measure and record the results in the test report.

#### Test Results

|                    |           |
|--------------------|-----------|
| Temperature:       | 26° C     |
| Relative Humidity: | 54%       |
| ATM Pressure:      | 1011 mbar |

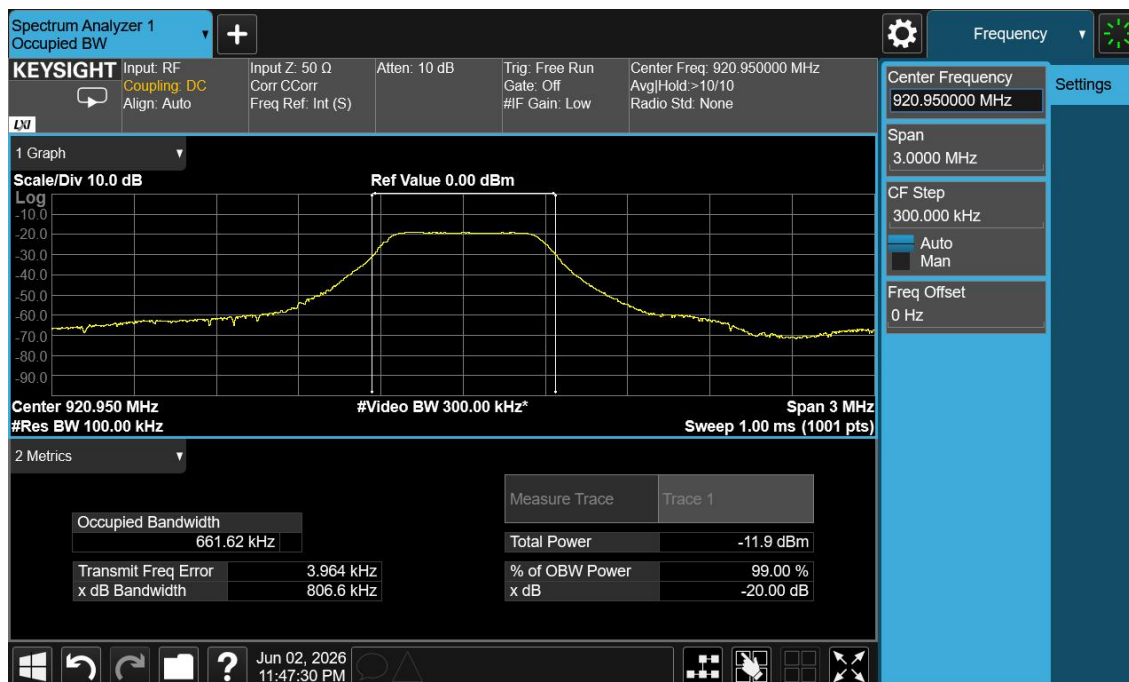
| Operation Mode | Channel Frequency (MHz) | 20db Measurement Bandwidth (kHz) | 99% Measurement Bandwidth (kHz) | Limit (kHz) | Verdict |
|----------------|-------------------------|----------------------------------|---------------------------------|-------------|---------|
| FSK            | 920.95                  | 806.6                            | 661.62                          | N/A         | PASS    |
| FSK            | 923.95                  | 791.2                            | 650.91                          | N/A         | PASS    |
| FSK            | 927.20                  | 798.4                            | 654.30                          | N/A         | PASS    |

Note: N/A (Not Applicable).

Test Model

Occupied Bandwidth

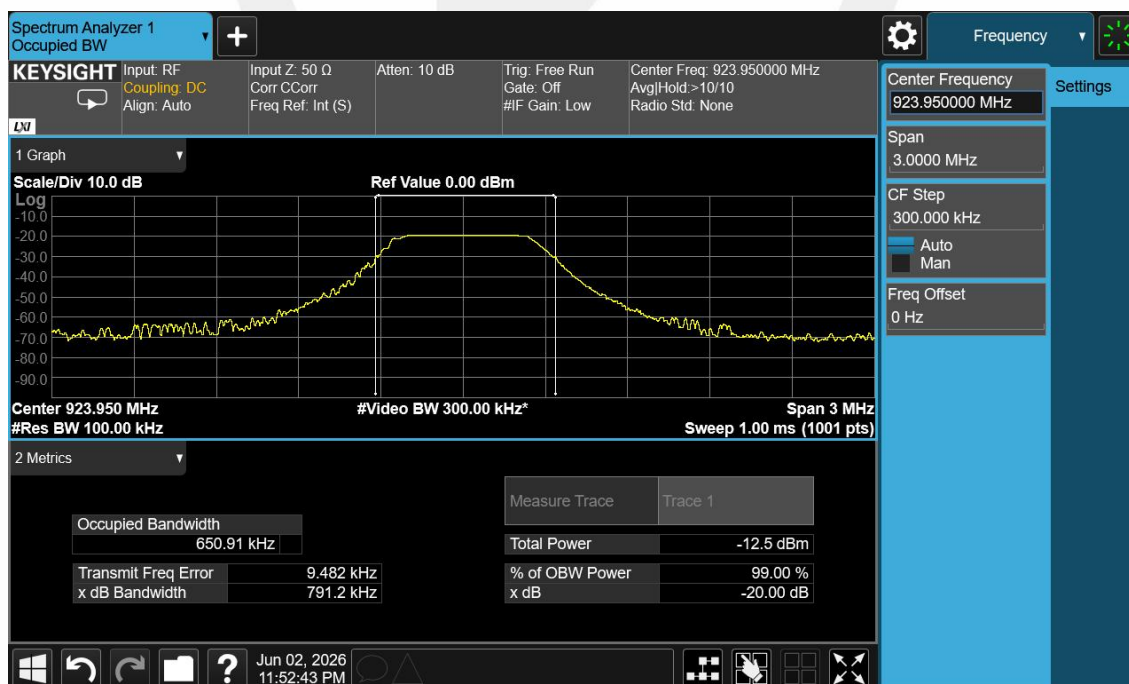
Channel : 920.95 MHz



Test Model

Occupied Bandwidth

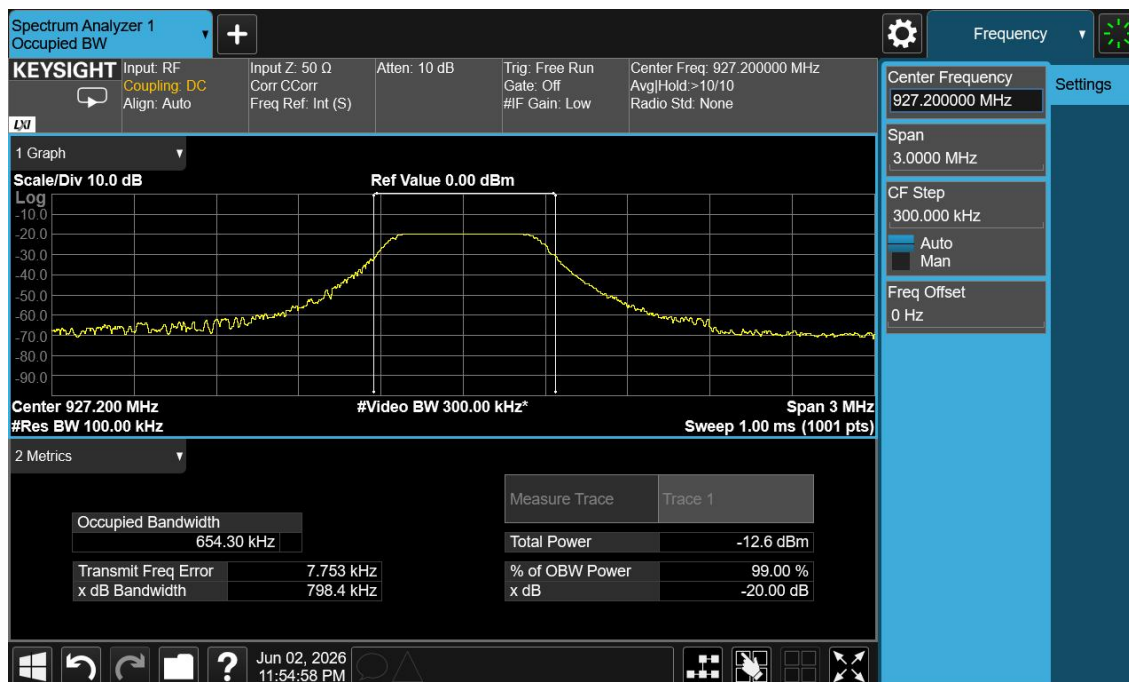
Channel : 923.95 MHz



Test Model

Occupied Bandwidth

Channel : 927.20 MHz



## 8.2 RADIATED SPURIOUS EMISSION

### 8.2.1 Applicable Standard

According to FCC Part 15.249 and 15.209

### 8.2.2 Conformance Limit

According to FCC Part 15.249: 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)).

According to FCC Part 15.205, Restricted bands

| MHz               | MHz                 | MHz           | GHz         |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110       | 16.42-16.423        | 399.9-410     | 4.5-5.15    |
| 10.495-0.505      | 16.69475-16.69525   | 608-614       | 5.35-5.46   |
| 2.1735-2.1905     | 16.80425-16.80475   | 960-1240      | 7.25-7.75   |
| 4.125-4.128       | 25.5-25.67          | 1300-1427     | 8.025-8.5   |
| 4.17725-4.17775   | 37.5-38.25          | 1435-1626.5   | 9.0-9.2     |
| 4.20725-4.20775   | 73-74.6             | 1645.5-1646.5 | 9.3-9.5     |
| 6.215-6.218       | 74.8-75.2           | 1660-1710     | 10.6-12.7   |
| 6.26775-6.26825   | 123-138             | 2200-2300     | 14.47-14.5  |
| 8.291-8.294       | 149.9-150.05        | 2310-2390     | 15.35-16.2  |
| 8.362-8.366       | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4   |
| 8.37625-8.38675   | 156.7-156.9         | 2690-2900     | 22.01-23.12 |
| 8.41425-8.41475   | 162.0125-167.17     | 3260-3267     | 23.6-24.0   |
| 12.29-12.293      | 167.72-173.2        | 3332-3339     | 31.2-31.8   |
| 12.51975-12.52025 | 240-285             | 3345.8-3358   | 36.43-36.5  |
| 12.57675-12.57725 | 322-335.4           | 3600-4400     | (2)         |
| 13.36-13.41       |                     |               |             |

According to FCC Part 15.205, the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table

| Restricted Frequency(MHz) | Field Strength (μV/m) | Field Strength (dBμV/m) | Measurement Distance |
|---------------------------|-----------------------|-------------------------|----------------------|
| 0.009-0.490               | 2400/F(KHz)           | 20 log (uV/m)           | 300                  |
| 0.490-1.705               | 24000/F(KHz)          | 20 log (uV/m)           | 30                   |
| 1.705-30                  | 30                    | 29.5                    | 30                   |
| 30-88                     | 100                   | 40                      | 3                    |
| 88-216                    | 150                   | 43.5                    | 3                    |
| 216-960                   | 200                   | 46                      | 3                    |
| Above 960                 | 500                   | 54                      | 3                    |

Remark :1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. Distance extrapolation factor =40log(Specific distance/ test distance)( dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10\*Ig(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

Field strength of fundamental and Field strength of harmonics Limit:

| Fundamental frequency | Field strength of fundamental<br>(millivolts/meter) | Field strength of harmonics<br>(microvolts/meter) |
|-----------------------|-----------------------------------------------------|---------------------------------------------------|
| 902-928 MHz           | 50(94 dBV/m)                                        | 500(54 dBV/m)                                     |
| 2400-2483.5 MHz       | 50(94 dBV/m)                                        | 500(54 dBV/m)                                     |
| 5725-5875 MHz         | 50(94 dBV/m)                                        | 500(54 dBV/m)                                     |
| 24.0-24.25 GHz        | 250(108 dBV/m)                                      | 2500(68 dBV/m)                                    |

### 8.2.3 Test Configuration

Test according to clause 7.2 radio frequency test setup 2

### 8.2.4 Test Procedure

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

The EUT was placed on a turn table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for  $f \geq 1$  GHz(1GHz to 25GHz), 100 kHz for  $f < 1$  GHz(30MHz to 1GHz)

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

Follow the guidelines in ANSI C63.10-2020 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from  $20\log(\text{dwell time}/100 \text{ ms})$ , in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

## 8.2.5 Test Results

|                    |           |
|--------------------|-----------|
| Temperature:       | 22° C     |
| Relative Humidity: | 57%       |
| ATM Pressure:      | 1011 mbar |

### ■ Spurious Emission below 30MHz (9KHz to 30MHz)

| Freq.<br>(MHz) | Ant.Pol. | Emission<br>Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) |
|----------------|----------|---------------------------|------------------|----------|
| --             | --       | --                        | --               | --       |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

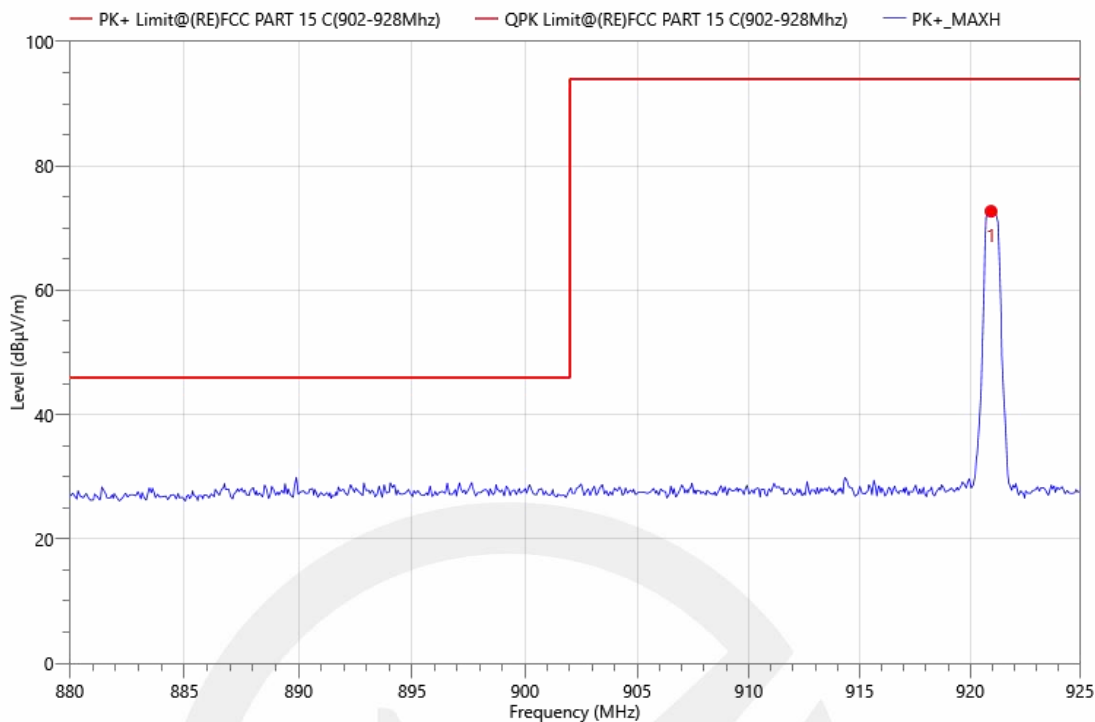
Distance extrapolation factor =  $40\log(\text{Specific distance}/\text{test distance})$  (dB);

Limit line = Specific limits(dBuV) + distance extrapolation factor

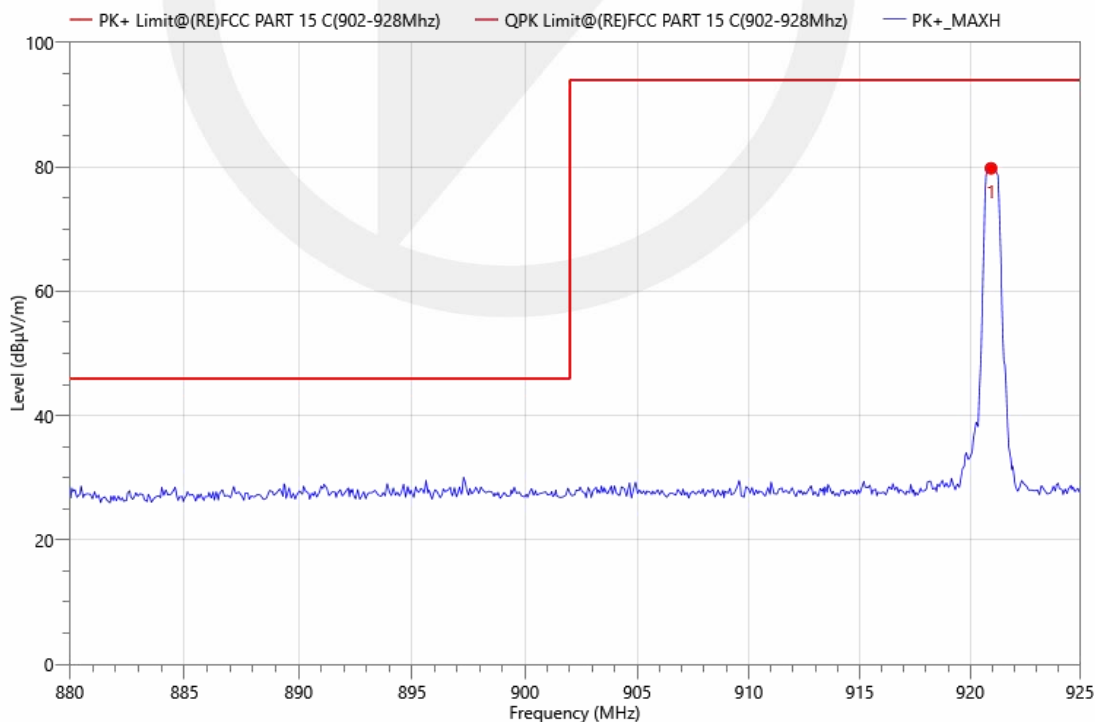
### ■ Field Strength of the fundamental signal

#### ■ Antenna 1

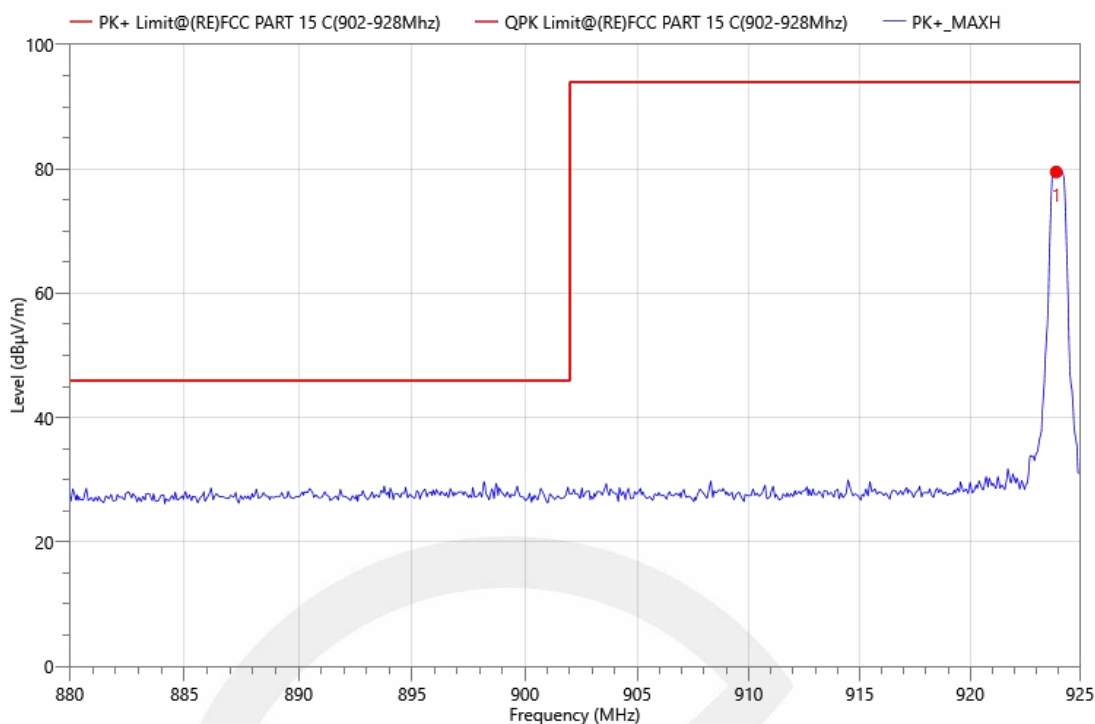
| Freq.<br>(MHz) | Ant.Pol. | Emission Level<br>for PEAK<br>(dBuV/m) | Emission Level<br>for RMS<br>(dBuV/m) | Limit for RMS<br>(dBuV/m) | Limit for PEAK<br>(dBuV/m) | Verdict |
|----------------|----------|----------------------------------------|---------------------------------------|---------------------------|----------------------------|---------|
| 920.95         | V        | 80.58                                  | N/A                                   | 94                        | 114                        | PASS    |
| 920.95         | H        | 73.44                                  | N/A                                   | 94                        | 114                        | PASS    |
| 923.95         | V        | 80.31                                  | N/A                                   | 94                        | 114                        | PASS    |
| 923.95         | H        | 74.78                                  | N/A                                   | 94                        | 114                        | PASS    |
| 927.20         | V        | 80.40                                  | N/A                                   | 94                        | 114                        | PASS    |
| 927.20         | H        | 73.95                                  | N/A                                   | 94                        | 114                        | PASS    |



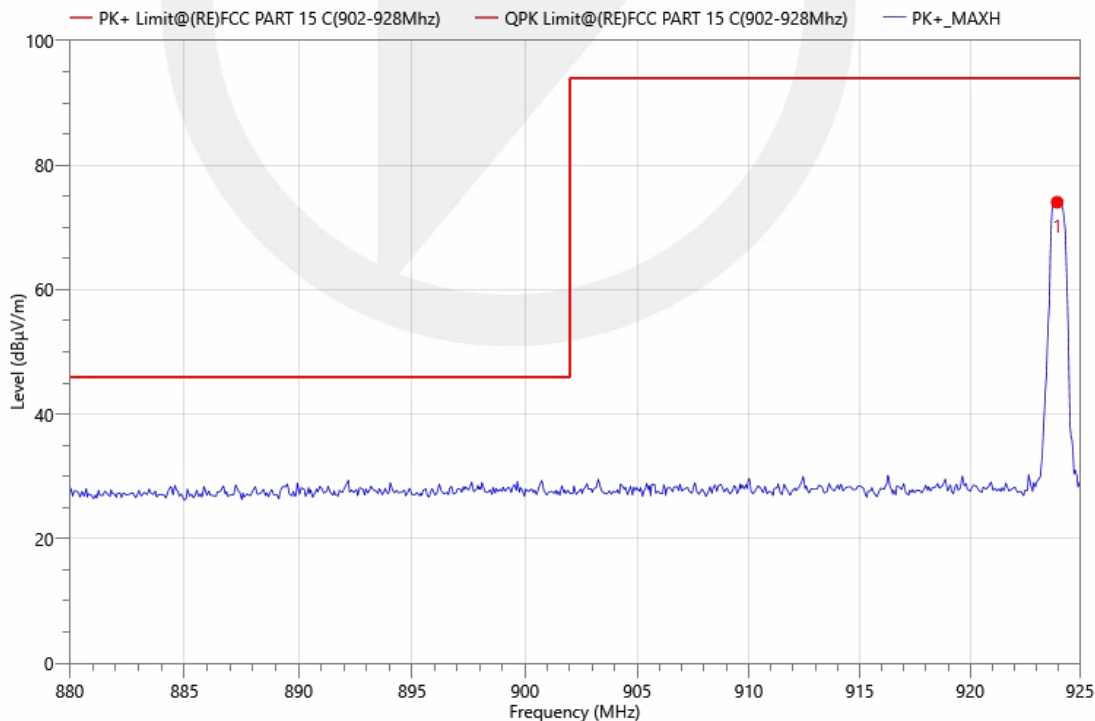
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|
| 1   | 920.950     | 84.92            | -11.48     | 73.44          | 94.00          | 20.56       | QPK  | H    |



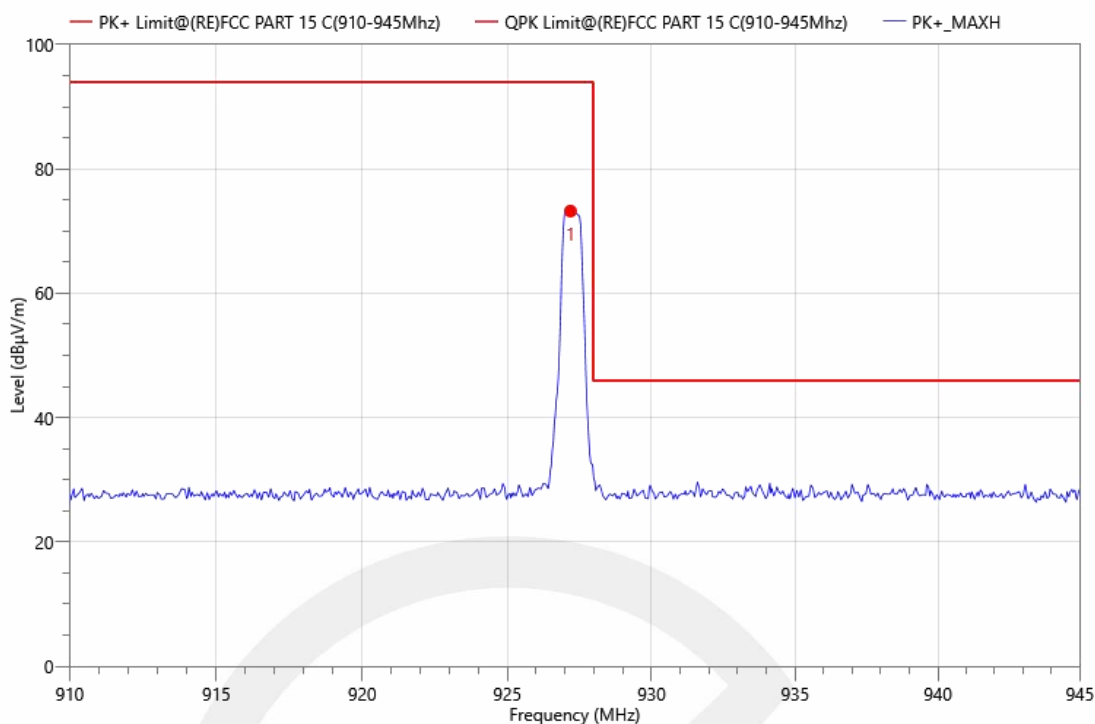
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|
| 1   | 920.950     | 92.06            | -11.48     | 80.58          | 94.00          | 13.42       | QPK  | V    |



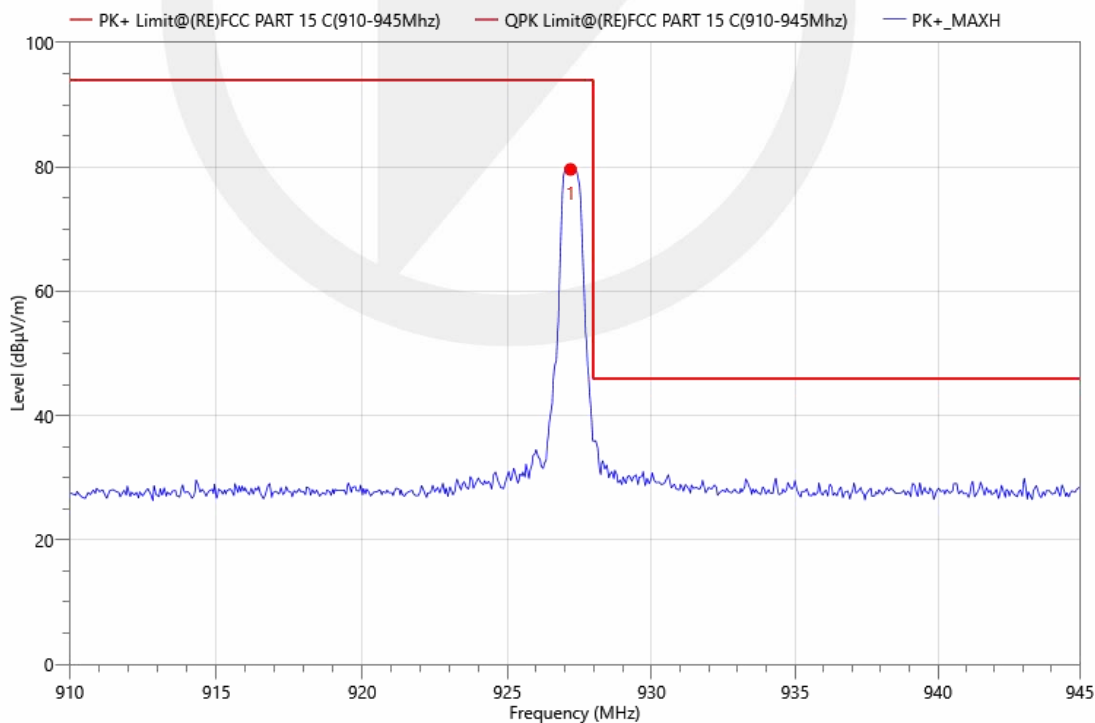
| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 923.920     | 91.77          | -11.46     | 80.31          | 94.00          | 13.69       | QPK  | V    |



| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 923.965     | 86.24          | -11.46     | 74.78          | 94.00          | 19.22       | QPK  | H    |



| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 927.185     | 85.41          | -11.46     | 73.95          | 94.00          | 20.05       | QPK  | H    |

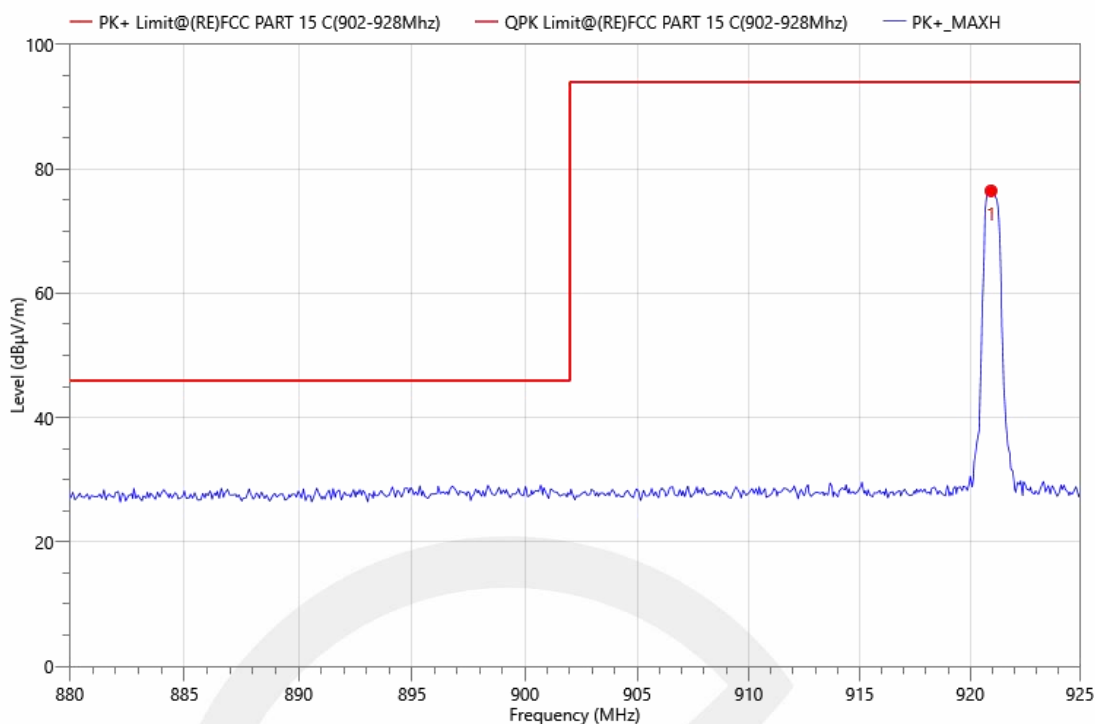


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 927.185     | 91.86          | -11.46     | 80.40          | 94.00          | 13.60       | QPK  | V    |

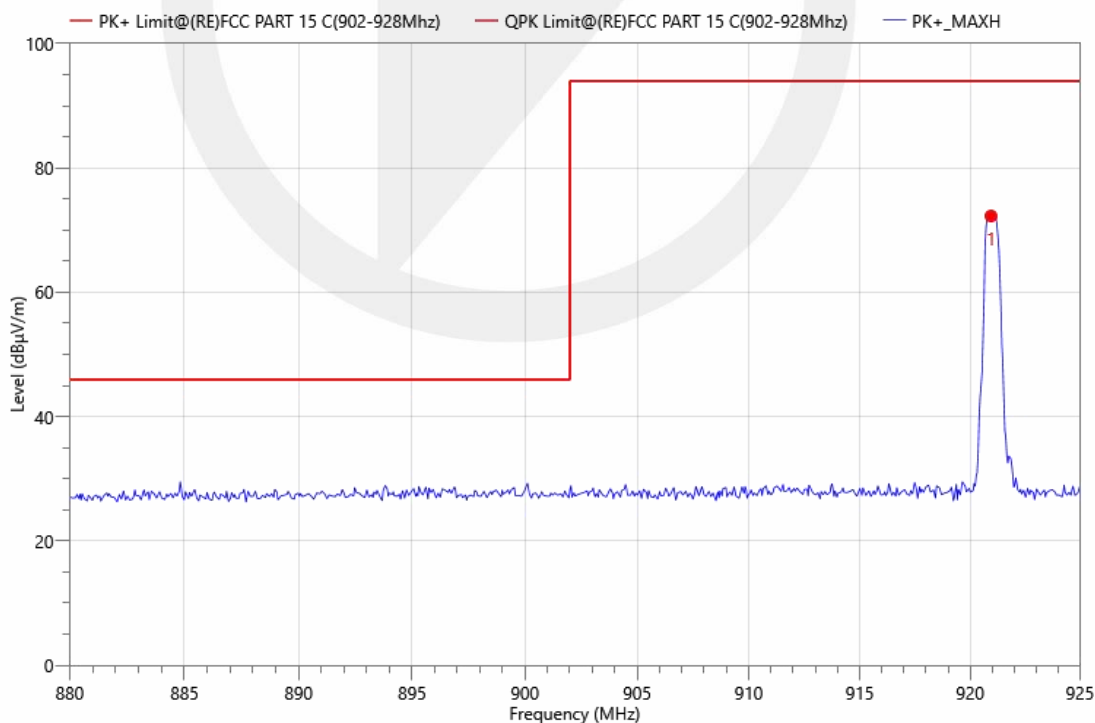
■ Antenna 2

| Freq.<br>(MHz) | Ant.Pol. | Emission Level<br>for PEAK<br>(dBuV/m) | Emission Level<br>for RMS<br>(dBuV/m) | Limit for RMS<br>(dBuV/m) | Limit for PEAK<br>(dBuV/m) | Verdict |
|----------------|----------|----------------------------------------|---------------------------------------|---------------------------|----------------------------|---------|
| 920.95         | V        | 78.01                                  | N/A                                   | 94                        | 114                        | PASS    |
| 920.95         | H        | 73.72                                  | N/A                                   | 94                        | 114                        | PASS    |
| 923.95         | V        | 77.94                                  | N/A                                   | 94                        | 114                        | PASS    |
| 923.95         | H        | 74.56                                  | N/A                                   | 94                        | 114                        | PASS    |
| 927.20         | V        | 78.34                                  | N/A                                   | 94                        | 114                        | PASS    |
| 927.20         | H        | 76.77                                  | N/A                                   | 94                        | 114                        | PASS    |

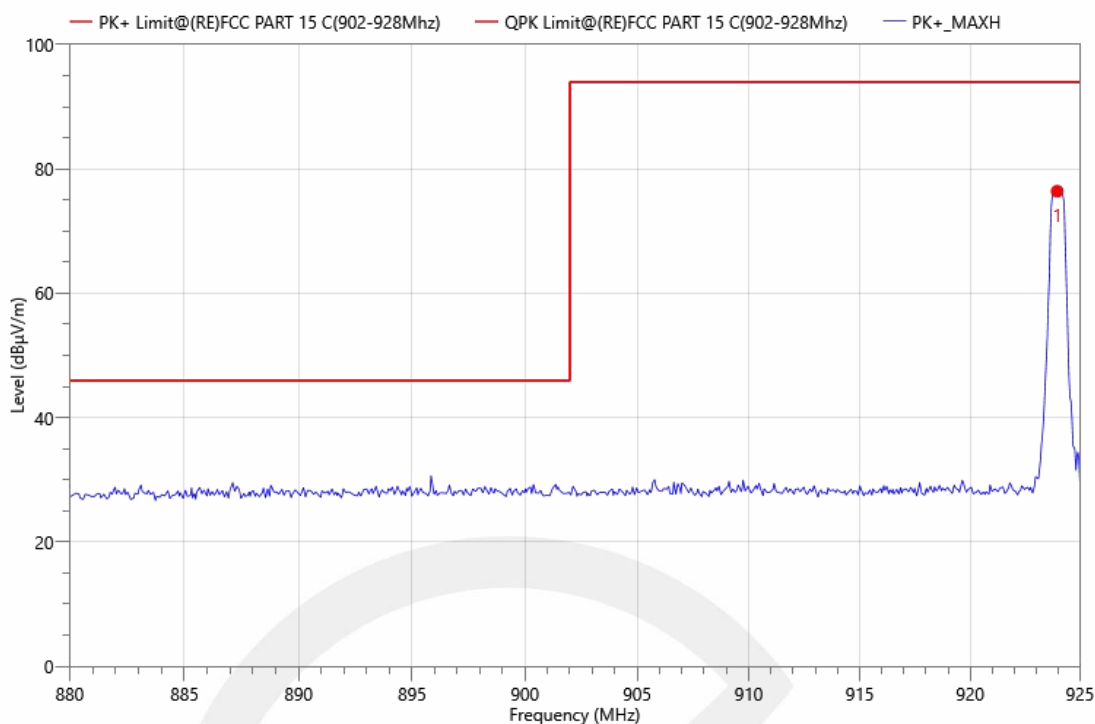




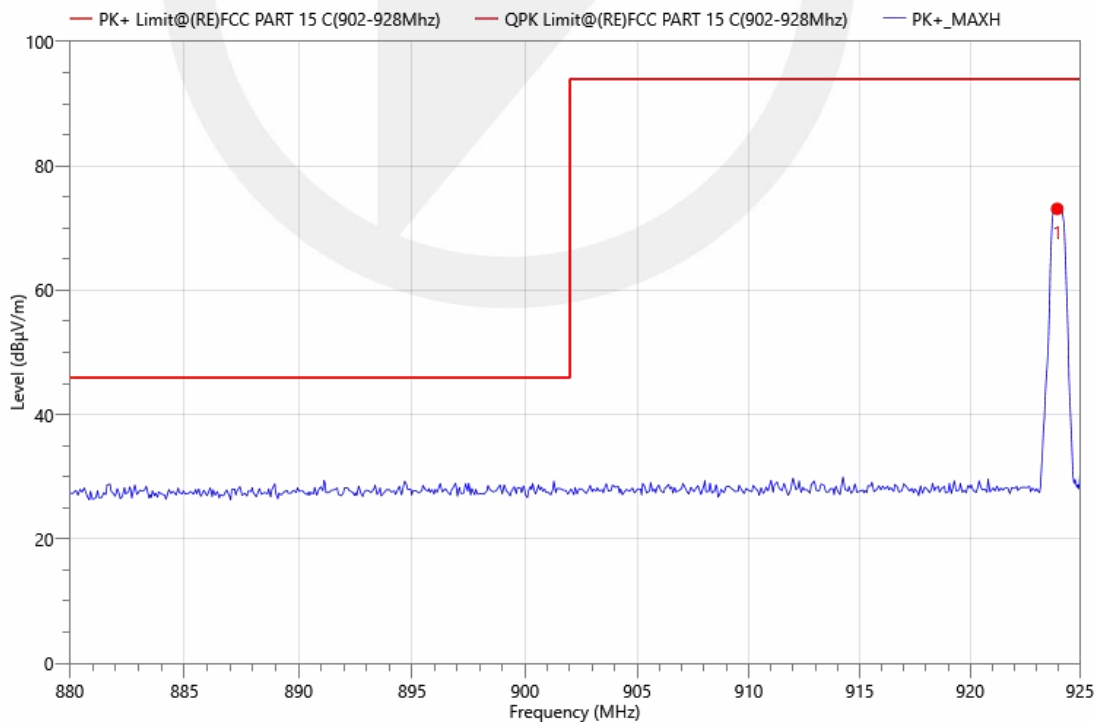
| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 920.950     | 89.49          | -11.48     | 78.01          | 94.00          | 15.99       | QPK  | V    |



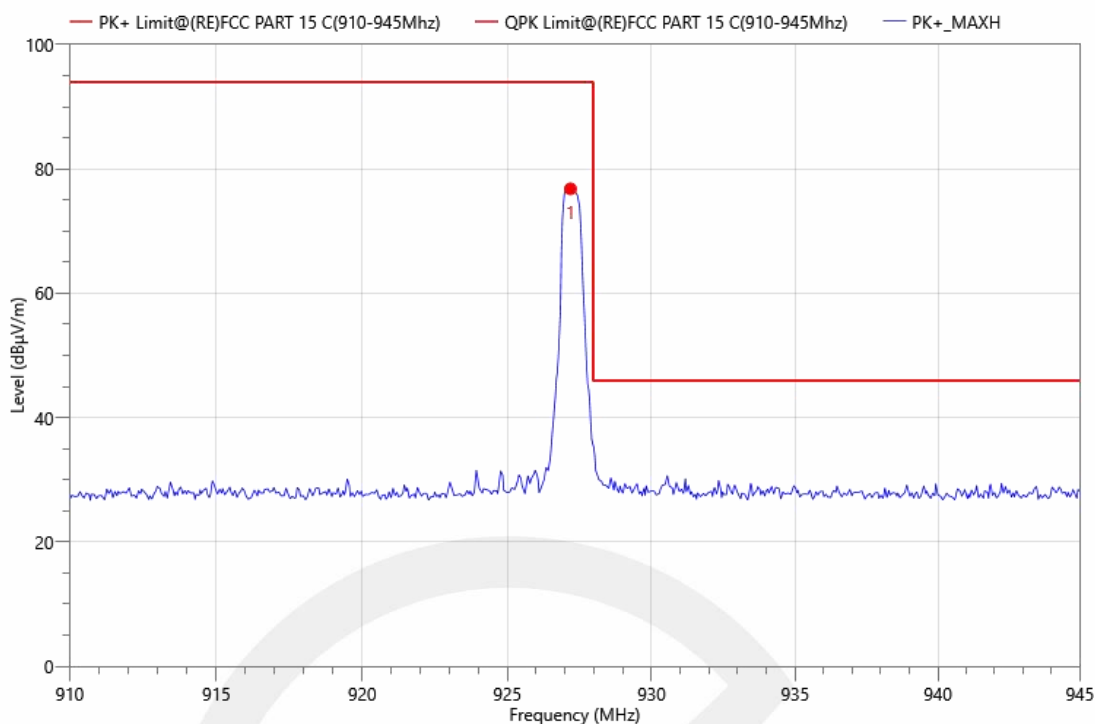
| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 920.950     | 85.20          | -11.48     | 73.72          | 94.00          | 20.28       | QPK  | H    |



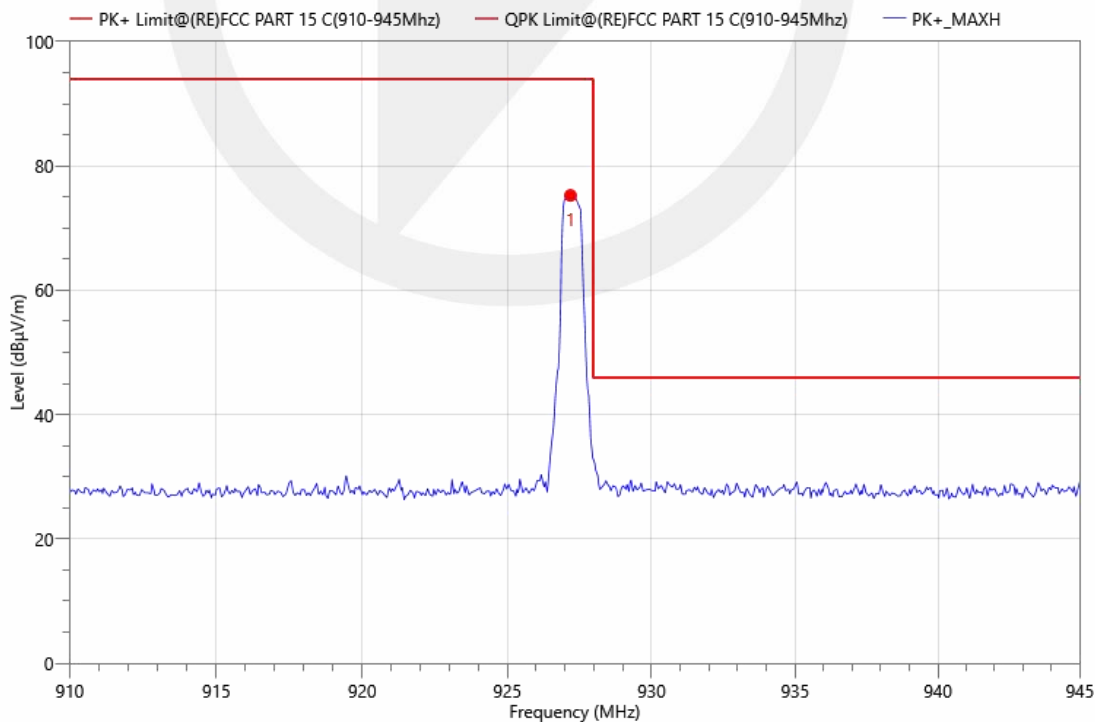
| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 923.965     | 89.40          | -11.46     | 77.94          | 94.00          | 16.06       | QPK  | V    |



| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 923.965     | 86.02          | -11.46     | 74.56          | 94.00          | 19.44       | QPK  | H    |



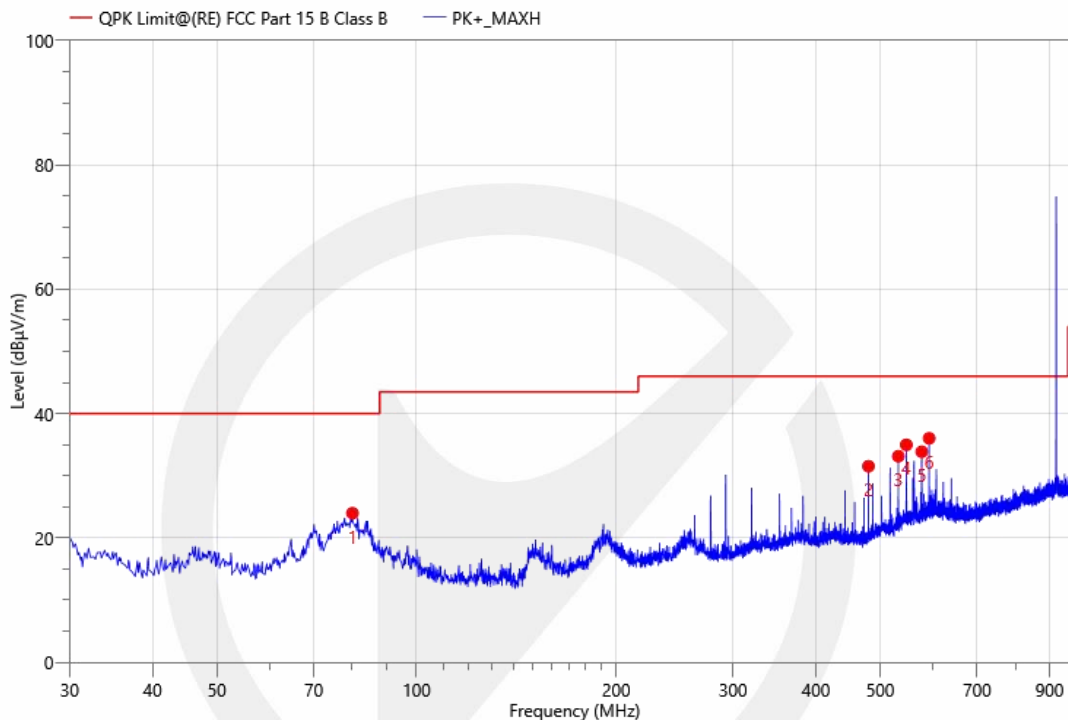
| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 927.185     | 89.80          | -11.46     | 78.34          | 94.00          | 15.66       | QPK  | V    |



| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|------|
| 1   | 927.185     | 88.23          | -11.46     | 76.77          | 94.00          | 17.23       | QPK  | H    |

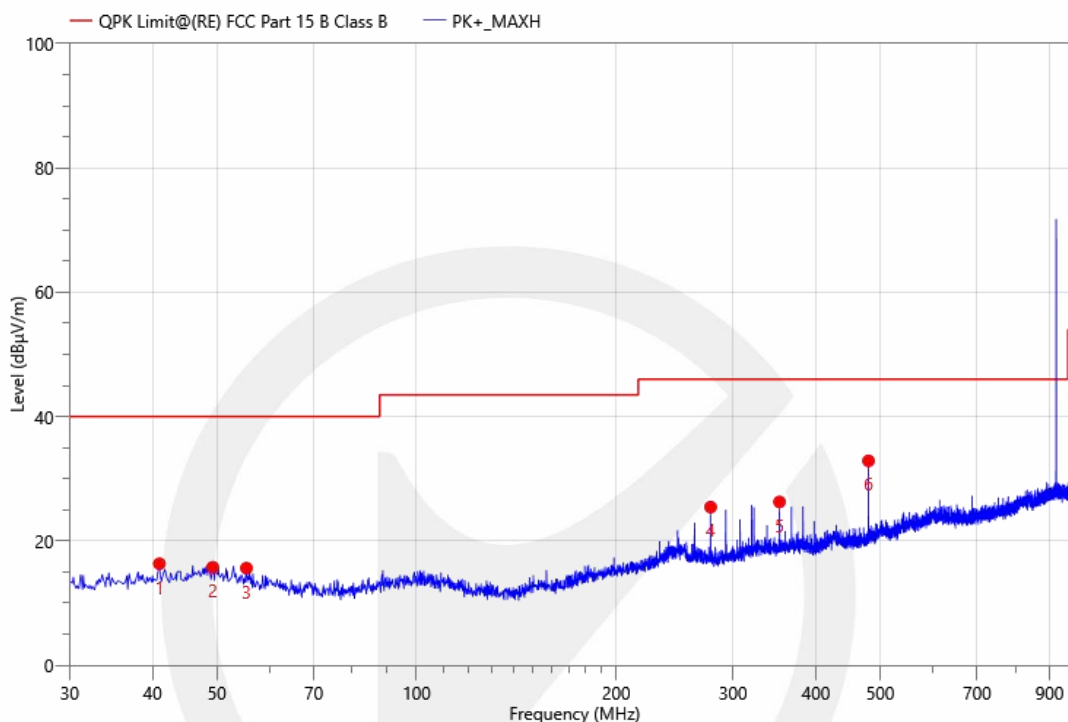
## Spurious Emission below 1GHz (30MHz to 1GHz) Antenna 1

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 920.95                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



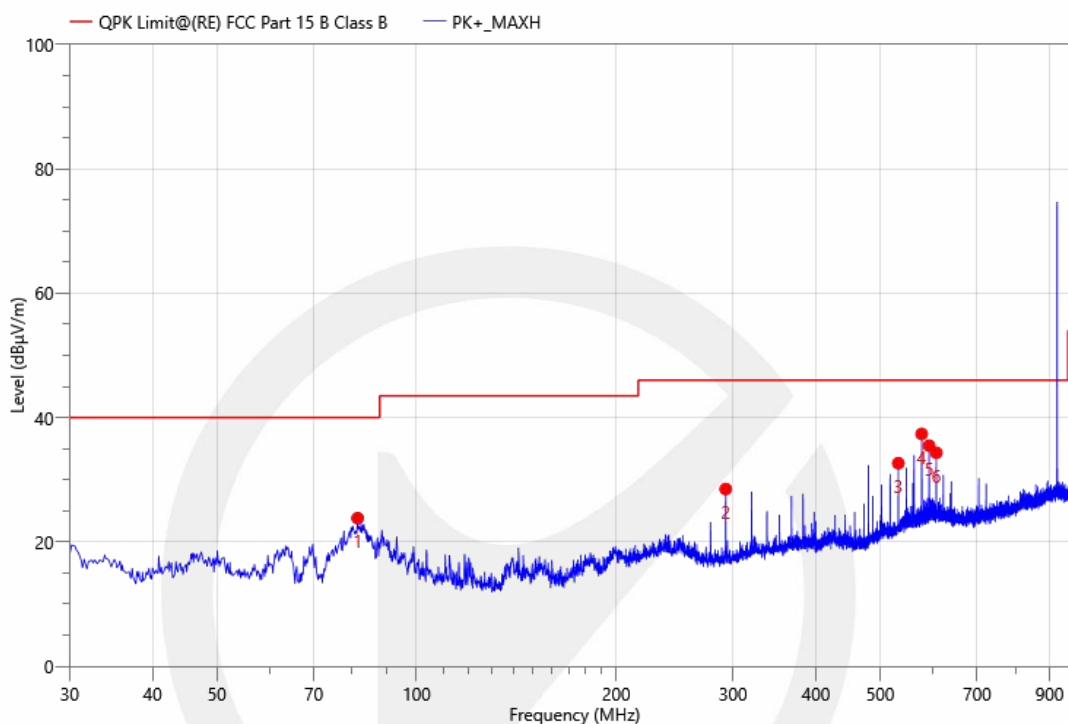
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 80.052      | 50.90            | -26.92     | 23.98          | 40.00          | 16.02       | PK+  | V    | PASS    |
| 2   | 480.080     | 50.38            | -18.85     | 31.53          | 46.00          | 14.47       | PK+  | V    | PASS    |
| 3   | 532.557     | 50.03            | -16.88     | 33.15          | 46.00          | 12.85       | PK+  | V    | PASS    |
| 4   | 547.495     | 51.22            | -16.24     | 34.98          | 46.00          | 11.02       | PK+  | V    | PASS    |
| 5   | 577.565     | 49.57            | -15.7      | 33.87          | 46.00          | 12.13       | PK+  | V    | PASS    |
| 6   | 592.600     | 50.99            | -14.96     | 36.03          | 46.00          | 9.97        | PK+  | V    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 920.95                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



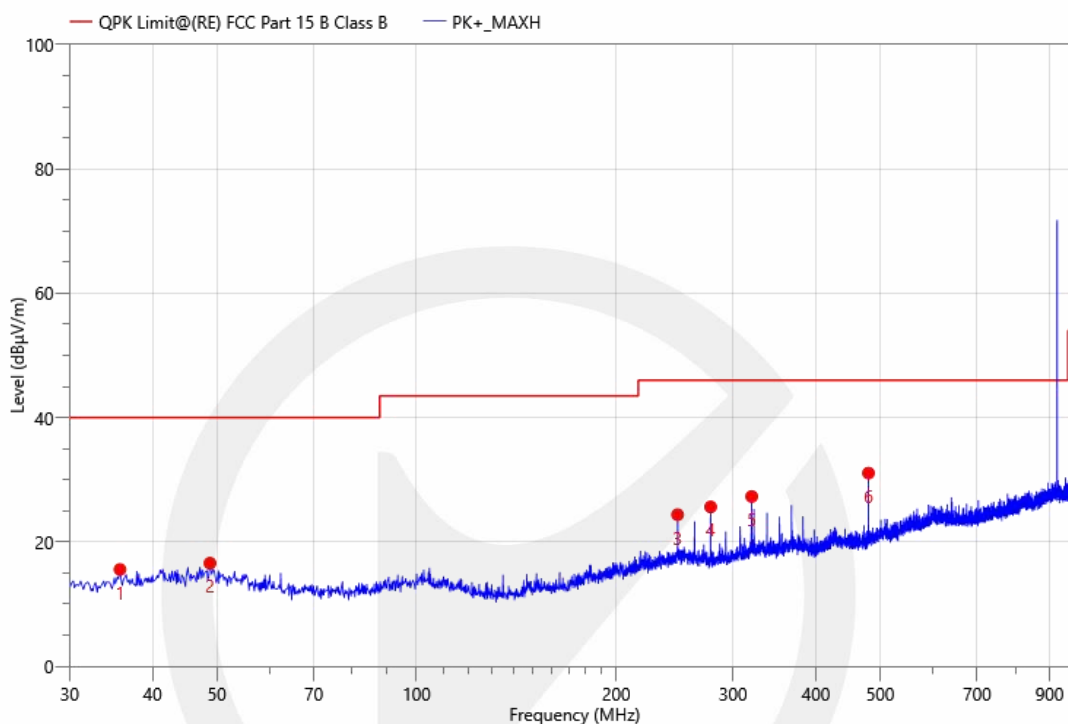
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 40.961      | 40.80            | -24.46     | 16.34          | 40.00          | 23.66       | PK+  | H    | PASS    |
| 2   | 49.303      | 39.91            | -24.14     | 15.77          | 40.00          | 24.23       | PK+  | H    | PASS    |
| 3   | 55.414      | 40.72            | -25.09     | 15.63          | 40.00          | 24.37       | PK+  | H    | PASS    |
| 4   | 277.544     | 48.24            | -22.8      | 25.44          | 46.00          | 20.56       | PK+  | H    | PASS    |
| 5   | 352.525     | 46.94            | -20.66     | 26.28          | 46.00          | 19.72       | PK+  | H    | PASS    |
| 6   | 480.080     | 51.73            | -18.85     | 32.88          | 46.00          | 13.12       | PK+  | H    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 923.95                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp. :       | 20°C                  | Humi. :    | 66%                                       |



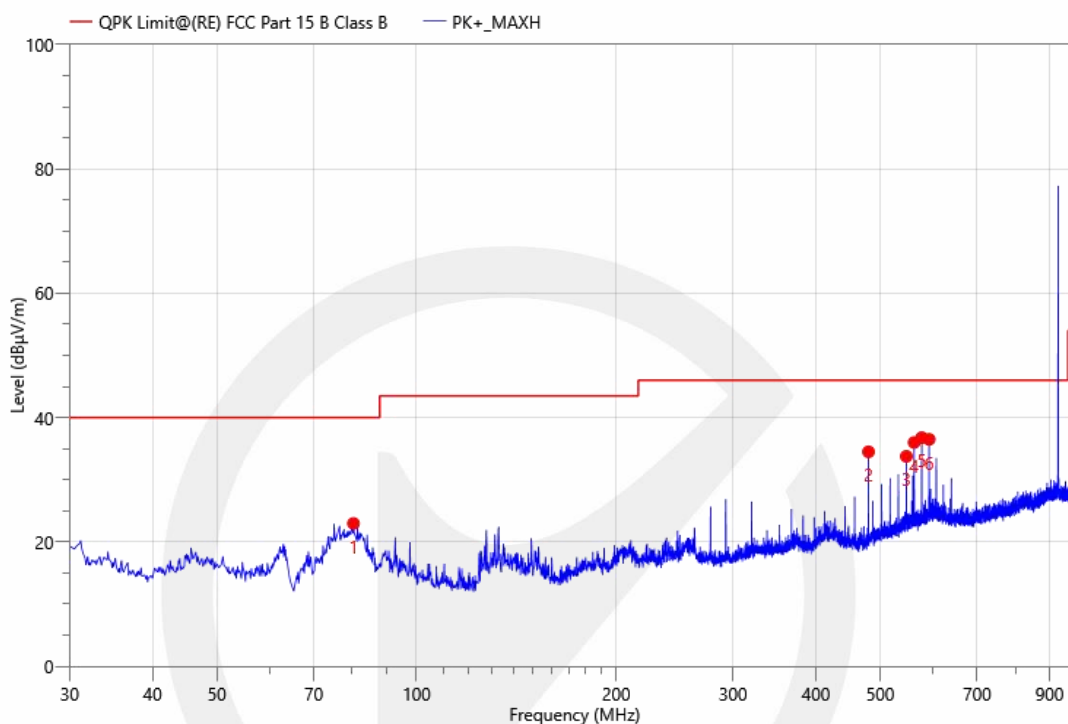
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 81.507      | 50.62            | -26.8      | 23.82          | 40.00          | 16.18       | PK+  | V    | PASS    |
| 2   | 292.482     | 50.95            | -22.44     | 28.51          | 46.00          | 17.49       | PK+  | V    | PASS    |
| 3   | 532.460     | 49.56            | -16.89     | 32.67          | 46.00          | 13.33       | PK+  | V    | PASS    |
| 4   | 577.468     | 53.08            | -15.7      | 37.38          | 46.00          | 8.62        | PK+  | V    | PASS    |
| 5   | 592.503     | 50.45            | -14.96     | 35.49          | 46.00          | 10.51       | PK+  | V    | PASS    |
| 6   | 607.538     | 49.12            | -14.78     | 34.34          | 46.00          | 11.66       | PK+  | V    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 923.95                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



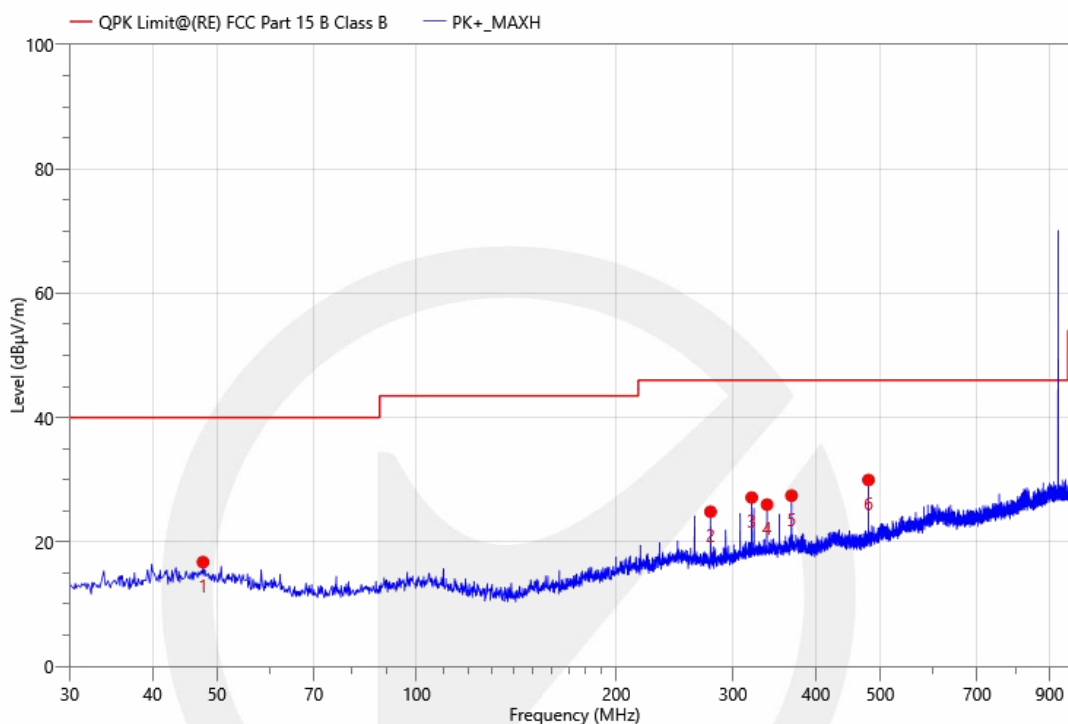
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 35.723      | 40.49            | -24.91     | 15.58          | 40.00          | 24.42       | PK+  | H    | PASS    |
| 2   | 48.818      | 40.72            | -24.13     | 16.59          | 40.00          | 23.41       | PK+  | H    | PASS    |
| 3   | 247.474     | 47.23            | -22.84     | 24.39          | 46.00          | 21.61       | PK+  | H    | PASS    |
| 4   | 277.544     | 48.44            | -22.8      | 25.64          | 46.00          | 20.36       | PK+  | H    | PASS    |
| 5   | 320.030     | 48.50            | -21.19     | 27.31          | 46.00          | 18.69       | PK+  | H    | PASS    |
| 6   | 480.080     | 49.92            | -18.85     | 31.07          | 46.00          | 14.93       | PK+  | H    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 927.20                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 80.343      | 49.87            | -26.89     | 22.98          | 40.00          | 17.02       | PK+  | V    | PASS    |
| 2   | 480.080     | 53.35            | -18.85     | 34.50          | 46.00          | 11.50       | PK+  | V    | PASS    |
| 3   | 547.495     | 50.01            | -16.24     | 33.77          | 46.00          | 12.23       | PK+  | V    | PASS    |
| 4   | 562.530     | 52.00            | -16        | 36.00          | 46.00          | 10.00       | PK+  | V    | PASS    |
| 5   | 577.565     | 52.48            | -15.7      | 36.78          | 46.00          | 9.22        | PK+  | V    | PASS    |
| 6   | 592.600     | 51.46            | -14.96     | 36.50          | 46.00          | 9.50        | PK+  | V    | PASS    |

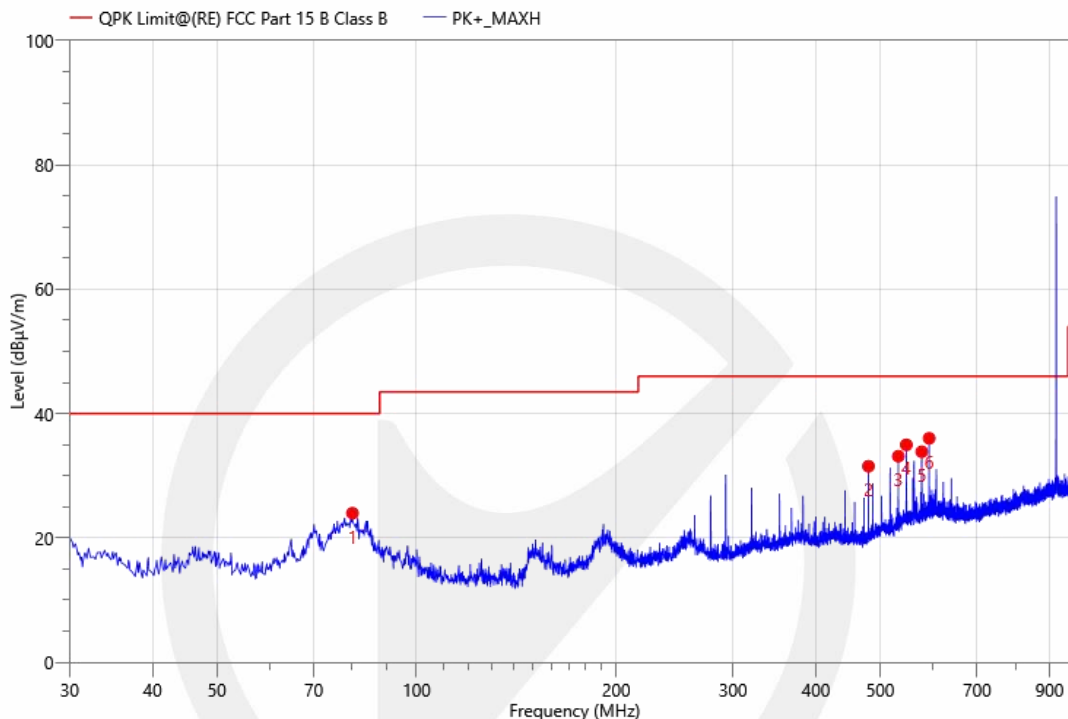
|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 927.20                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp. :       | 20°C                  | Humi. :    | 66%                                       |



| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 47.654      | 40.87            | -24.11     | 16.76          | 40.00          | 23.24       | PK+  | H    | PASS    |
| 2   | 277.447     | 47.66            | -22.8      | 24.86          | 46.00          | 21.14       | PK+  | H    | PASS    |
| 3   | 320.030     | 48.33            | -21.19     | 27.14          | 46.00          | 18.86       | PK+  | H    | PASS    |
| 4   | 337.587     | 46.81            | -20.8      | 26.01          | 46.00          | 19.99       | PK+  | H    | PASS    |
| 5   | 367.560     | 47.78            | -20.34     | 27.44          | 46.00          | 18.56       | PK+  | H    | PASS    |
| 6   | 480.080     | 48.82            | -18.85     | 29.97          | 46.00          | 16.03       | PK+  | H    | PASS    |

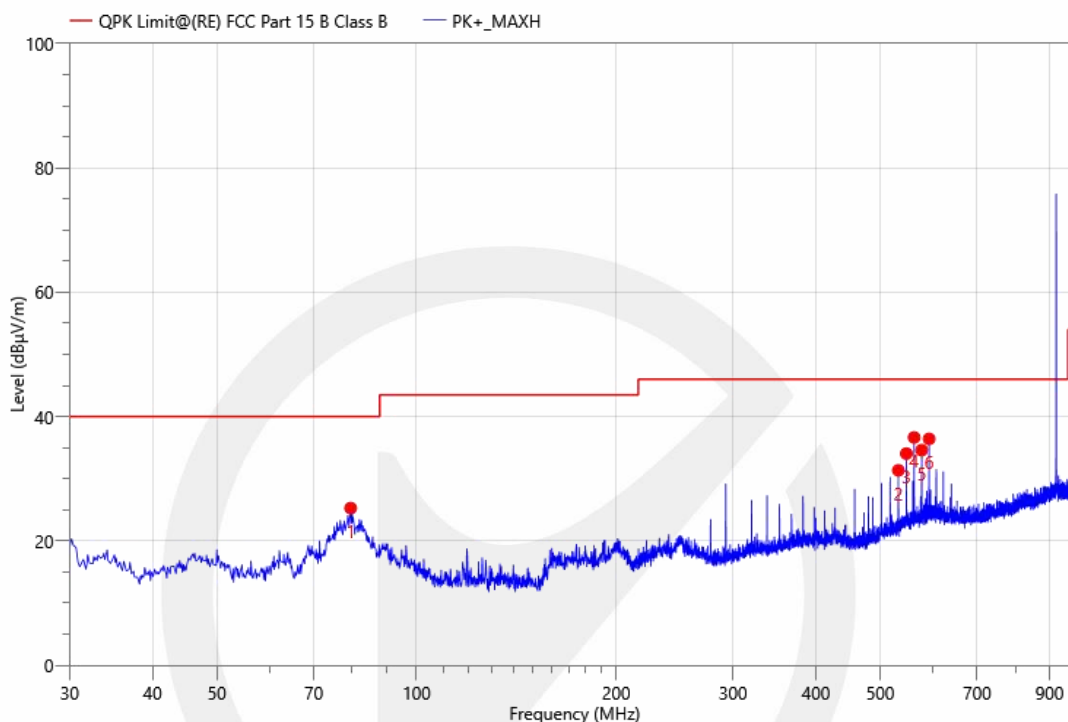
## Antenna 2

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 920.95                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



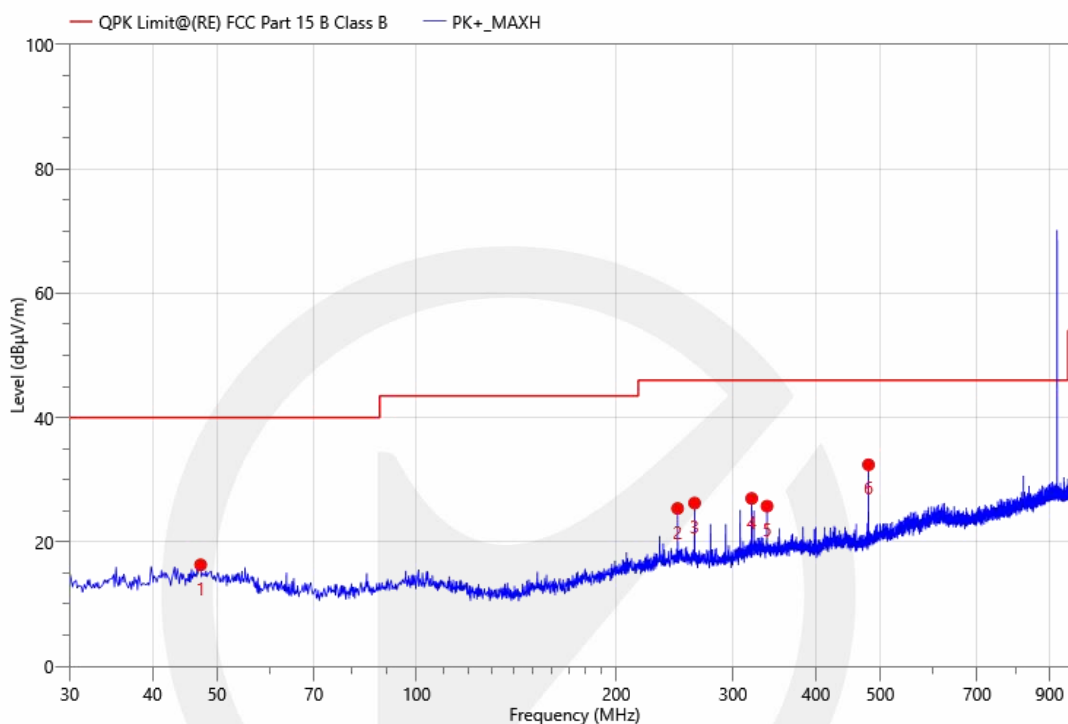
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 82.186      | 50.31            | -26.74     | 23.57          | 40.00          | 16.43       | PK+  | H    | PASS    |
| 2   | 480.080     | 52.82            | -18.85     | 33.97          | 46.00          | 12.03       | PK+  | H    | PASS    |
| 3   | 532.557     | 49.85            | -16.88     | 32.97          | 46.00          | 13.03       | PK+  | H    | PASS    |
| 4   | 547.495     | 49.91            | -16.24     | 33.67          | 46.00          | 12.33       | PK+  | H    | PASS    |
| 5   | 562.530     | 51.06            | -16        | 35.06          | 46.00          | 10.94       | PK+  | H    | PASS    |
| 6   | 577.565     | 52.37            | -15.7      | 36.67          | 46.00          | 9.33        | PK+  | H    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 920.95                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



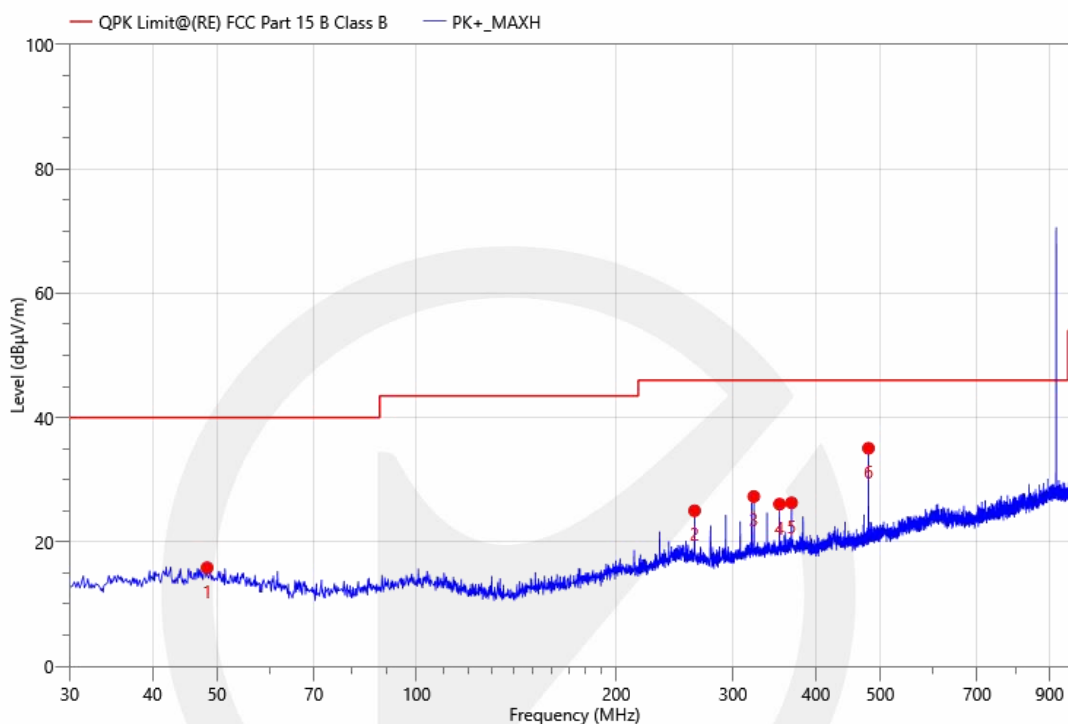
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 79.567      | 52.21            | -26.93     | 25.28          | 40.00          | 14.72       | PK+  | V    | PASS    |
| 2   | 532.557     | 48.24            | -16.88     | 31.36          | 46.00          | 14.64       | PK+  | V    | PASS    |
| 3   | 547.592     | 50.29            | -16.24     | 34.05          | 46.00          | 11.95       | PK+  | V    | PASS    |
| 4   | 562.530     | 52.65            | -16        | 36.65          | 46.00          | 9.35        | PK+  | V    | PASS    |
| 5   | 577.468     | 50.31            | -15.7      | 34.61          | 46.00          | 11.39       | PK+  | V    | PASS    |
| 6   | 592.503     | 51.38            | -14.96     | 36.42          | 46.00          | 9.58        | PK+  | V    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 923.95                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



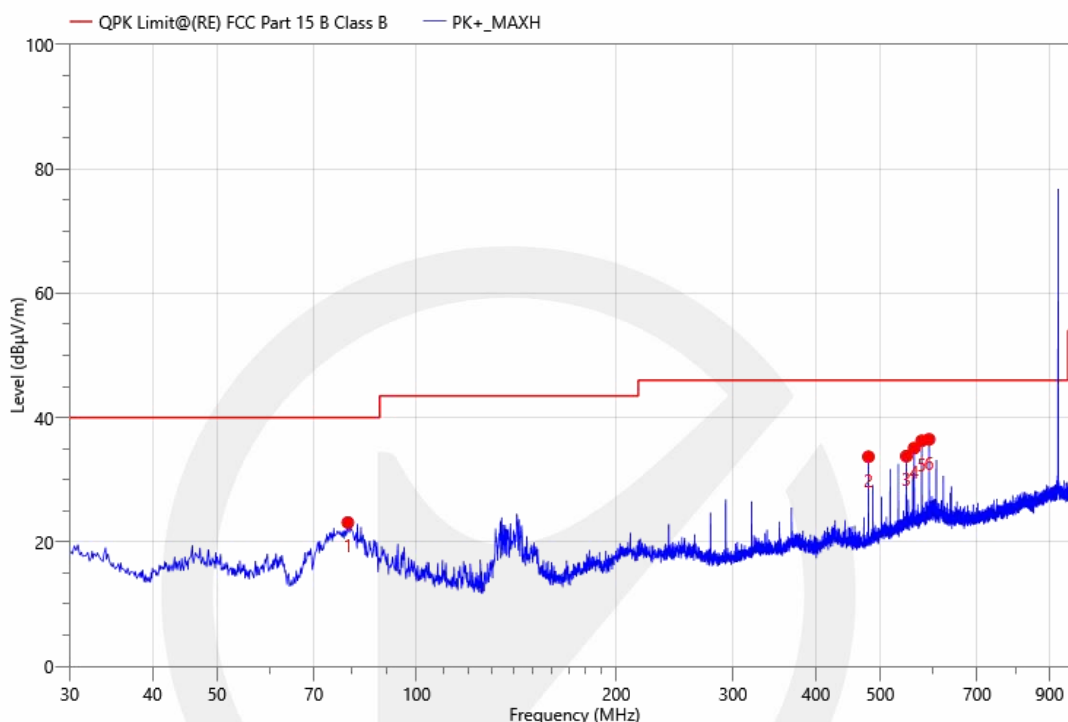
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 47.266      | 40.42            | -24.1      | 16.32          | 40.00          | 23.68       | PK+  | V    | PASS    |
| 2   | 247.474     | 48.23            | -22.84     | 25.39          | 46.00          | 20.61       | PK+  | V    | PASS    |
| 3   | 262.509     | 49.02            | -22.76     | 26.26          | 46.00          | 19.74       | PK+  | V    | PASS    |
| 4   | 320.030     | 48.19            | -21.19     | 27.00          | 46.00          | 19.00       | PK+  | V    | PASS    |
| 5   | 337.587     | 46.56            | -20.8      | 25.76          | 46.00          | 20.24       | PK+  | V    | PASS    |
| 6   | 480.080     | 51.27            | -18.85     | 32.42          | 46.00          | 13.58       | PK+  | V    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 923.95                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



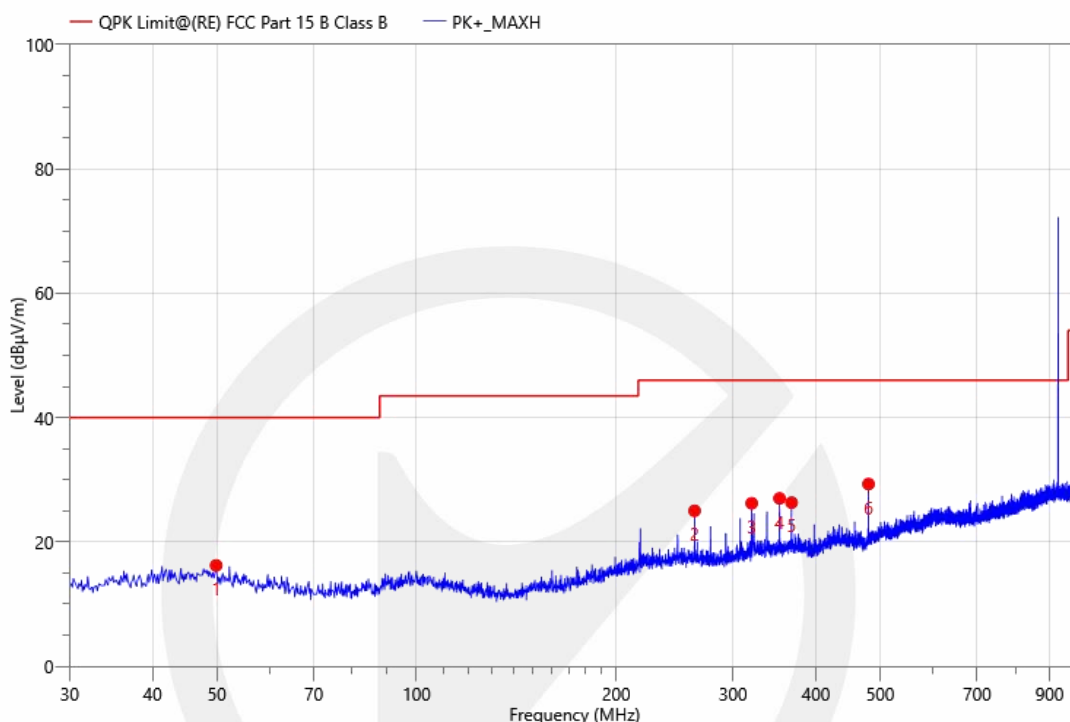
| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 48.333      | 39.99            | -24.12     | 15.87          | 40.00          | 24.13       | PK+  | H    | PASS    |
| 2   | 262.509     | 47.78            | -22.76     | 25.02          | 46.00          | 20.98       | PK+  | H    | PASS    |
| 3   | 322.455     | 48.39            | -21.07     | 27.32          | 46.00          | 18.68       | PK+  | H    | PASS    |
| 4   | 352.525     | 46.74            | -20.66     | 26.08          | 46.00          | 19.92       | PK+  | H    | PASS    |
| 5   | 367.560     | 46.64            | -20.34     | 26.30          | 46.00          | 19.70       | PK+  | H    | PASS    |
| 6   | 480.080     | 53.92            | -18.85     | 35.07          | 46.00          | 10.93       | PK+  | H    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 927.20                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 78.791      | 50.07            | -26.94     | 23.13          | 40.00          | 16.87       | PK+  | V    | PASS    |
| 2   | 479.983     | 52.57            | -18.86     | 33.71          | 46.00          | 12.29       | PK+  | V    | PASS    |
| 3   | 547.495     | 50.04            | -16.24     | 33.80          | 46.00          | 12.20       | PK+  | V    | PASS    |
| 4   | 562.530     | 51.09            | -16        | 35.09          | 46.00          | 10.91       | PK+  | V    | PASS    |
| 5   | 577.468     | 51.97            | -15.7      | 36.27          | 46.00          | 9.73        | PK+  | V    | PASS    |
| 6   | 592.503     | 51.47            | -14.96     | 36.51          | 46.00          | 9.49        | PK+  | V    | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | 927.20                                    |
| Voltage :     | AC 120V/60Hz          | Engineer : | WK Luo                                    |
| Temp :        | 20°C                  | Humi. :    | 66%                                       |



| No. | Freq. (MHz) | Reading (dBμV/m) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Pol. | Verdict |
|-----|-------------|------------------|------------|----------------|----------------|-------------|------|------|---------|
| 1   | 49.885      | 40.38            | -24.15     | 16.23          | 40.00          | 23.77       | PK+  | H    | PASS    |
| 2   | 262.509     | 47.77            | -22.76     | 25.01          | 46.00          | 20.99       | PK+  | H    | PASS    |
| 3   | 320.030     | 47.41            | -21.19     | 26.22          | 46.00          | 19.78       | PK+  | H    | PASS    |
| 4   | 352.525     | 47.67            | -20.66     | 27.01          | 46.00          | 18.99       | PK+  | H    | PASS    |
| 5   | 367.560     | 46.67            | -20.34     | 26.33          | 46.00          | 19.67       | PK+  | H    | PASS    |
| 6   | 480.080     | 48.17            | -18.85     | 29.32          | 46.00          | 16.68       | PK+  | H    | PASS    |

## ■ Spurious Emission Above 1GHz (1GHz to 10GHz)



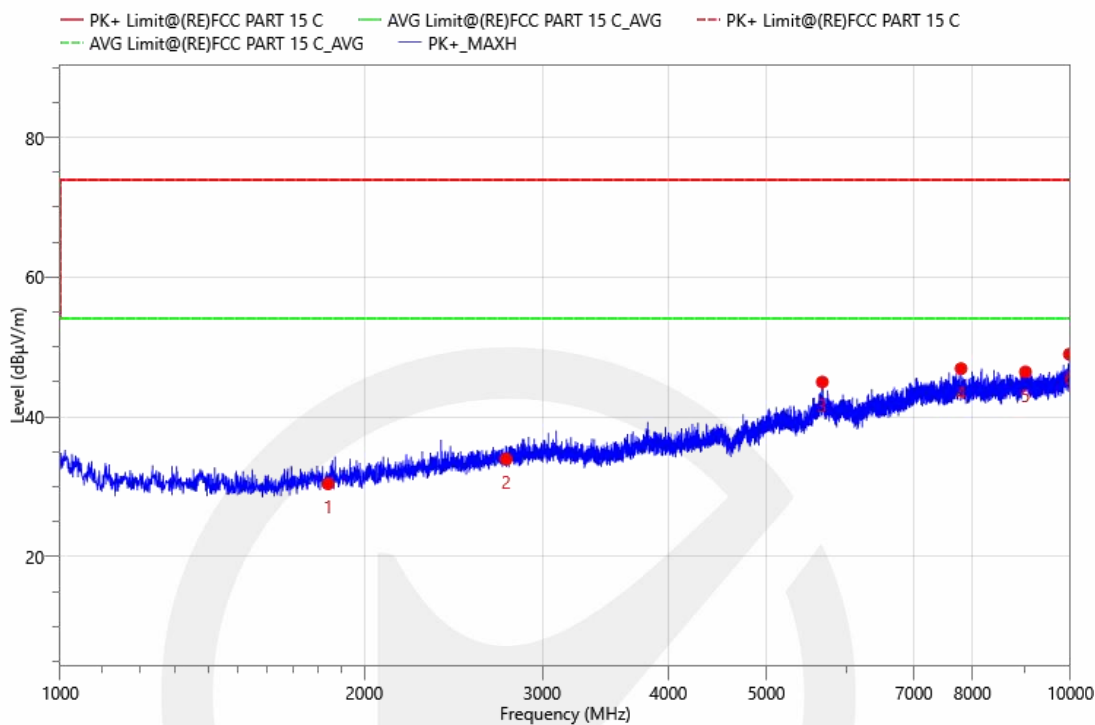
Antenna 1

Test mode:

FSK

Frequency:

Channel : 920.95 MHz

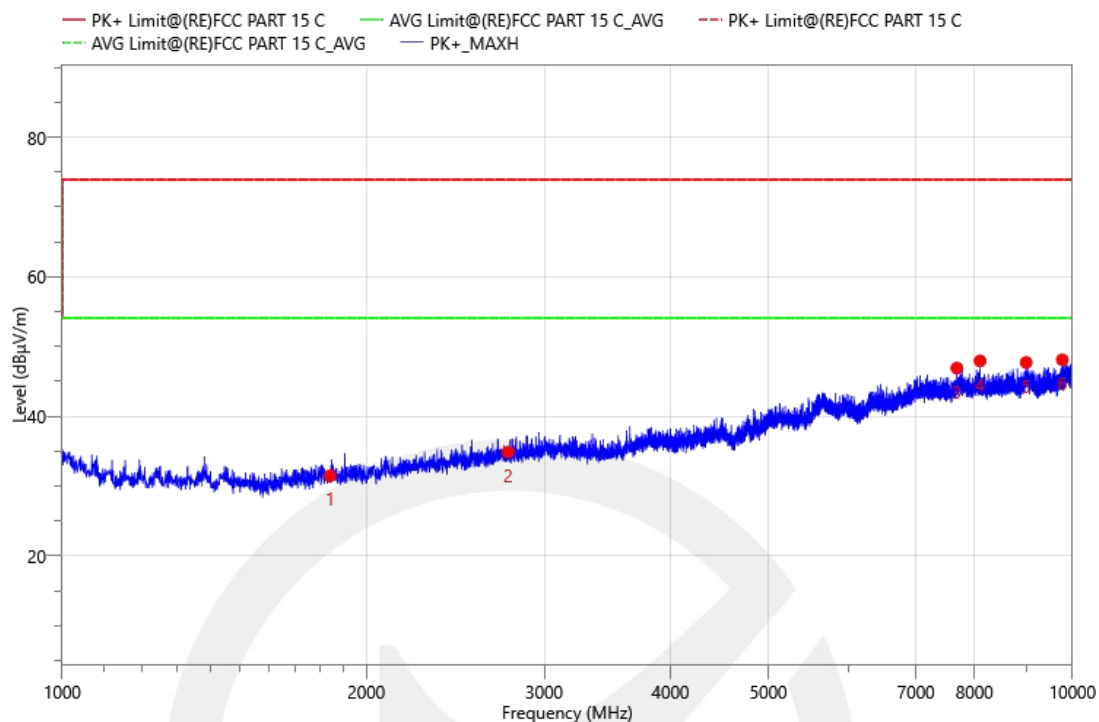


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1841.500    | 48.87          | -18.45     | 30.42          | 74.00          | 43.58       | PK+  | 150         | V    | PASS    |
| 2   | 2763.357    | 48.45          | -14.51     | 33.94          | 74.00          | 40.06       | PK+  | 150         | V    | PASS    |
| 3   | 5680.000    | 48.79          | -3.79      | 45.00          | 74.00          | 29.00       | PK+  | 150         | V    | PASS    |
| 4   | 7792.429    | 46.05          | 0.86       | 46.91          | 74.00          | 27.09       | PK+  | 150         | V    | PASS    |
| 5   | 9024.786    | 44.20          | 2.25       | 46.45          | 74.00          | 27.55       | PK+  | 150         | V    | PASS    |
| 6   | 9974.929    | 45.28          | 3.69       | 48.97          | 74.00          | 25.03       | PK+  | 150         | V    | PASS    |

Test mode: FSK

Frequency:

Channel : 920.95 MHz

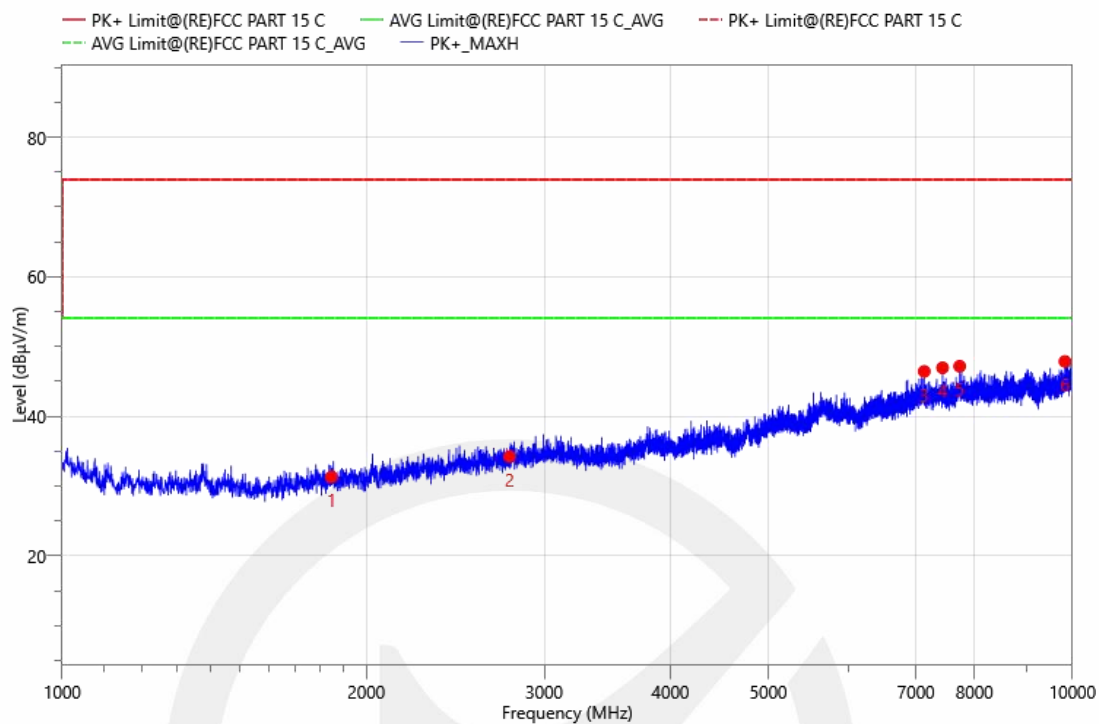


| No. | Freq. (MHz) | Reading (dBµV) | Corr. (dB) | Meas. (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1841.500    | 49.91          | -18.45     | 31.46          | 74.00          | 42.54       | PK+  | 150         | H    | PASS    |
| 2   | 2763.357    | 49.39          | -14.51     | 34.88          | 74.00          | 39.12       | PK+  | 150         | H    | PASS    |
| 3   | 7683.143    | 46.45          | 0.47       | 46.92          | 74.00          | 27.08       | PK+  | 150         | H    | PASS    |
| 4   | 8101.643    | 47.43          | 0.51       | 47.94          | 74.00          | 26.06       | PK+  | 150         | H    | PASS    |
| 5   | 8999.071    | 45.48          | 2.25       | 47.73          | 74.00          | 26.27       | PK+  | 150         | H    | PASS    |
| 6   | 9771.786    | 45.06          | 3.05       | 48.11          | 74.00          | 25.89       | PK+  | 150         | H    | PASS    |

Test mode: FSK

Frequency:

Channel : 923.95 MHz

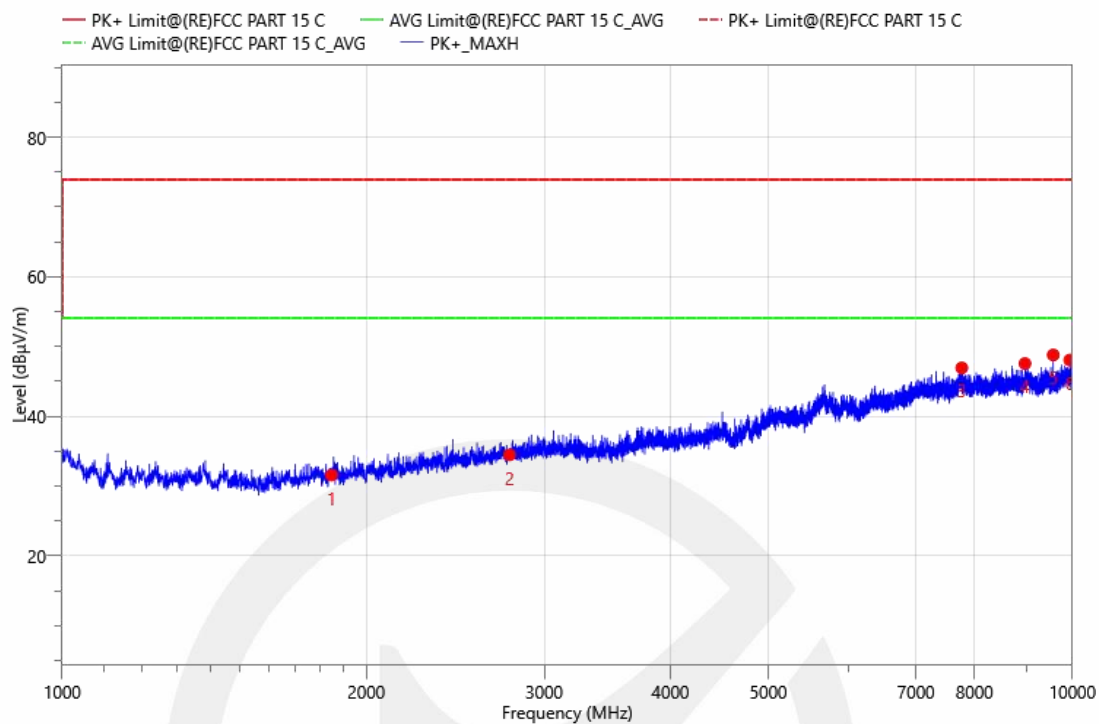


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1847.286    | 49.73          | -18.42     | 31.31          | 74.00          | 42.69       | PK+  | 150         | H    | PASS    |
| 2   | 2772.357    | 48.72          | -14.47     | 34.25          | 74.00          | 39.75       | PK+  | 150         | H    | PASS    |
| 3   | 7132.857    | 47.16          | -0.72      | 46.44          | 74.00          | 27.56       | PK+  | 150         | H    | PASS    |
| 4   | 7437.571    | 46.89          | 0.07       | 46.96          | 74.00          | 27.04       | PK+  | 150         | H    | PASS    |
| 5   | 7732.643    | 46.48          | 0.7        | 47.18          | 74.00          | 26.82       | PK+  | 150         | H    | PASS    |
| 6   | 9829.643    | 44.54          | 3.33       | 47.87          | 74.00          | 26.13       | PK+  | 150         | H    | PASS    |

Test mode: FSK

Frequency:

Channel : 923.95 MHz

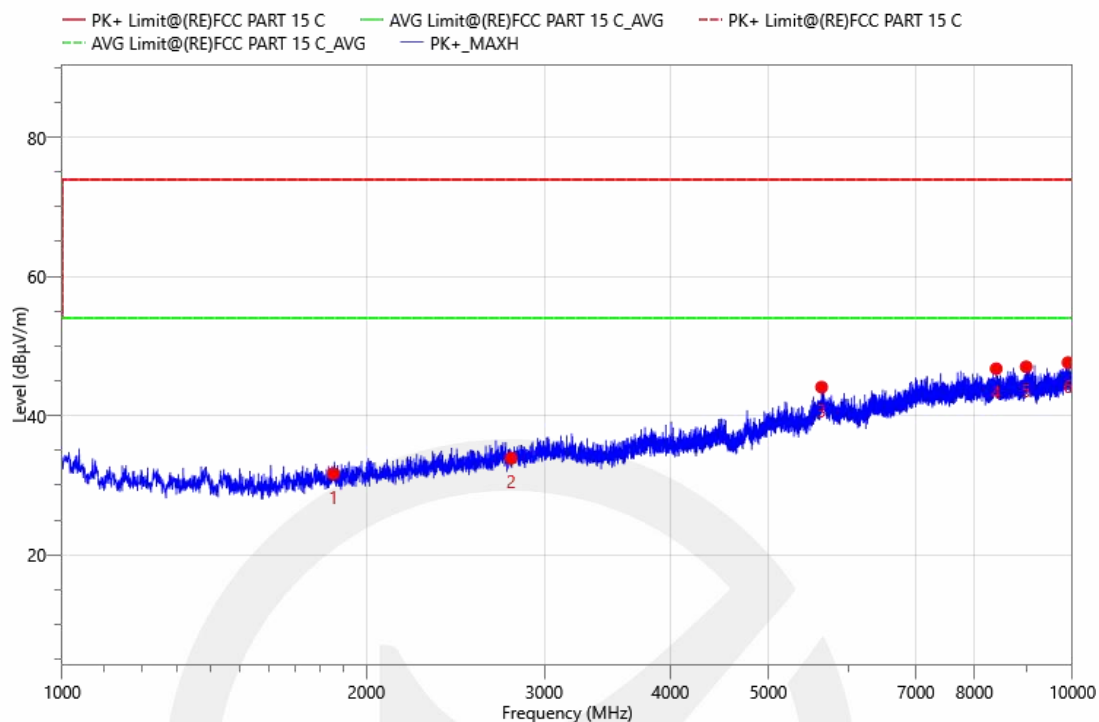


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1847.286    | 50.00          | -18.42     | 31.58          | 74.00          | 42.42       | PK+  | 150         | V    | PASS    |
| 2   | 2772.357    | 48.95          | -14.47     | 34.48          | 74.00          | 39.52       | PK+  | 150         | V    | PASS    |
| 3   | 7771.214    | 46.13          | 0.81       | 46.94          | 74.00          | 27.06       | PK+  | 150         | V    | PASS    |
| 4   | 8974.643    | 45.57          | 2          | 47.57          | 74.00          | 26.43       | PK+  | 150         | V    | PASS    |
| 5   | 9571.857    | 46.18          | 2.62       | 48.80          | 74.00          | 25.20       | PK+  | 150         | V    | PASS    |
| 6   | 9939.571    | 44.40          | 3.67       | 48.07          | 74.00          | 25.93       | PK+  | 150         | V    | PASS    |

Test mode: FSK

Frequency:

Channel : 927.20 MHz

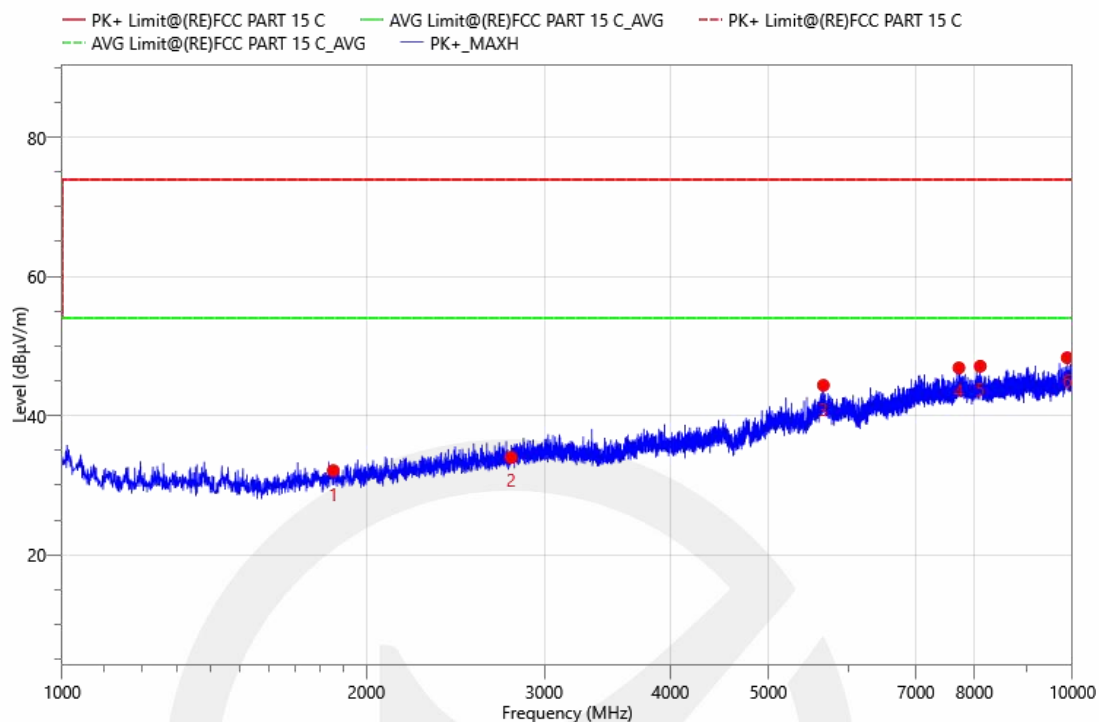


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1855.000    | 50.06          | -18.38     | 31.68          | 74.00          | 42.32       | PK+  | 150         | V    | PASS    |
| 2   | 2782.000    | 48.31          | -14.43     | 33.88          | 74.00          | 40.12       | PK+  | 150         | V    | PASS    |
| 3   | 5645.286    | 48.06          | -3.95      | 44.11          | 74.00          | 29.89       | PK+  | 150         | V    | PASS    |
| 4   | 8405.071    | 45.70          | 1.05       | 46.75          | 74.00          | 27.25       | PK+  | 150         | V    | PASS    |
| 5   | 8999.071    | 44.78          | 2.25       | 47.03          | 74.00          | 26.97       | PK+  | 150         | V    | PASS    |
| 6   | 9899.714    | 43.98          | 3.65       | 47.63          | 74.00          | 26.37       | PK+  | 150         | V    | PASS    |

Test mode: FSK

Frequency:

Channel : 927.20 MHz



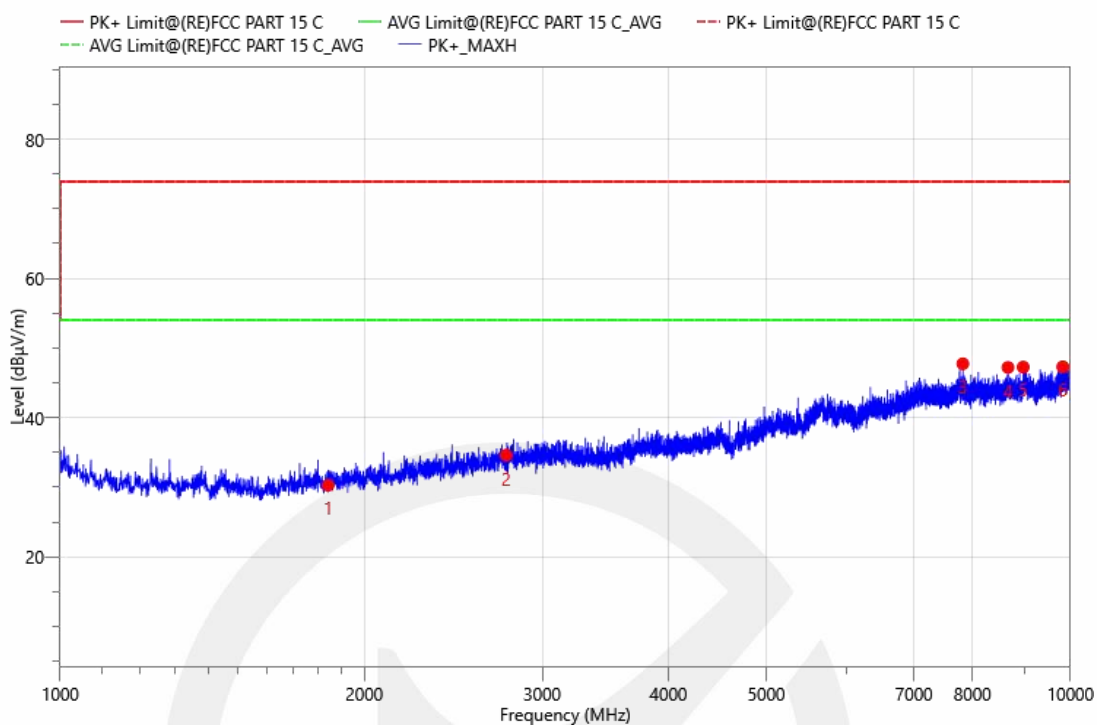
| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1855.000    | 50.51          | -18.38     | 32.13          | 74.00          | 41.87       | PK+  | 150         | H    | PASS    |
| 2   | 2782.000    | 48.45          | -14.43     | 34.02          | 74.00          | 39.98       | PK+  | 150         | H    | PASS    |
| 3   | 5668.429    | 48.21          | -3.84      | 44.37          | 74.00          | 29.63       | PK+  | 150         | H    | PASS    |
| 4   | 7719.786    | 46.20          | 0.67       | 46.87          | 74.00          | 27.13       | PK+  | 150         | H    | PASS    |
| 5   | 8104.214    | 46.60          | 0.51       | 47.11          | 74.00          | 26.89       | PK+  | 150         | H    | PASS    |
| 6   | 9881.071    | 44.77          | 3.56       | 48.33          | 74.00          | 25.67       | PK+  | 150         | H    | PASS    |

Antenna 2

Test mode: FSK

Frequency:

Channel : 920.95 MHz

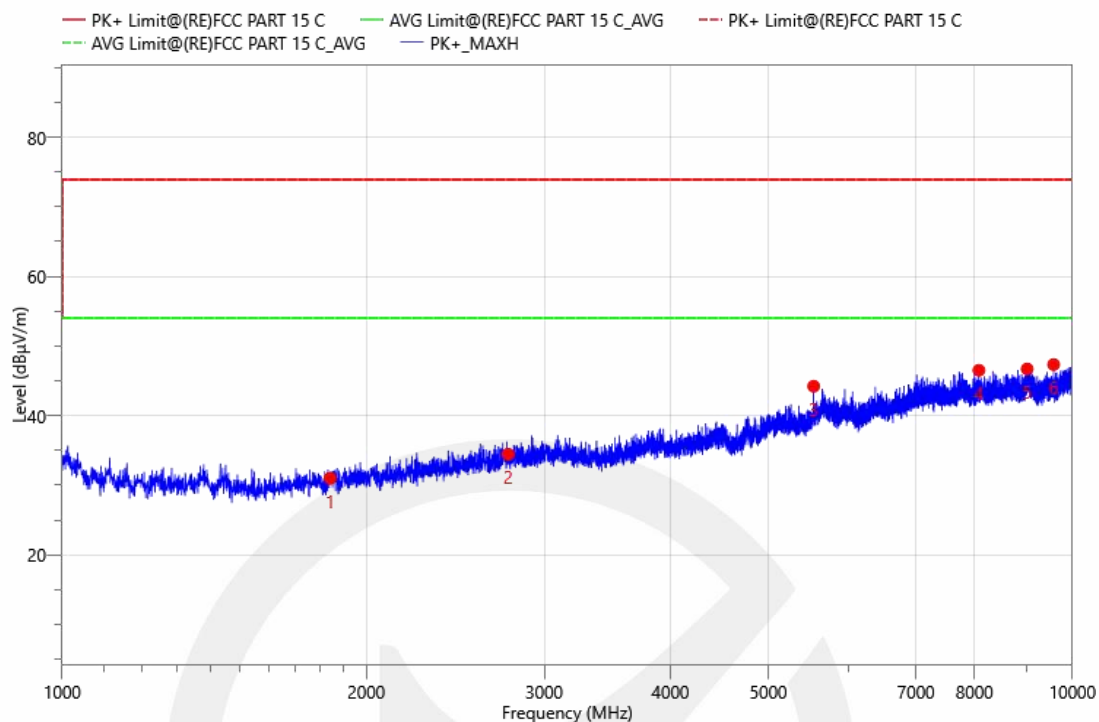


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1841.500    | 48.75          | -18.45     | 30.30          | 74.00          | 43.70       | PK+  | 150         | V    | PASS    |
| 2   | 2763.357    | 49.14          | -14.51     | 34.63          | 74.00          | 39.37       | PK+  | 150         | V    | PASS    |
| 3   | 7825.214    | 46.96          | 0.79       | 47.75          | 74.00          | 26.25       | PK+  | 150         | V    | PASS    |
| 4   | 8672.500    | 45.57          | 1.65       | 47.22          | 74.00          | 26.78       | PK+  | 150         | V    | PASS    |
| 5   | 8979.143    | 45.23          | 2.05       | 47.28          | 74.00          | 26.72       | PK+  | 150         | V    | PASS    |
| 6   | 9827.071    | 44.01          | 3.31       | 47.32          | 74.00          | 26.68       | PK+  | 150         | V    | PASS    |

Test mode: FSK

Frequency:

Channel : 920.95 MHz

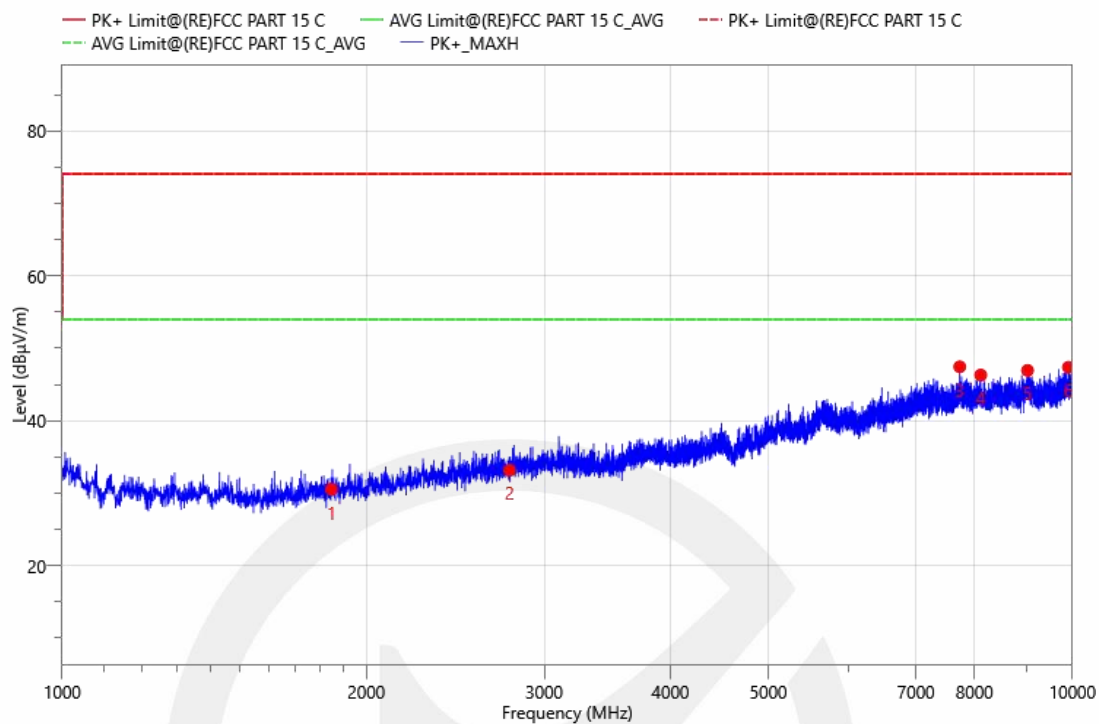


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1841.500    | 49.46          | -18.45     | 31.01          | 74.00          | 42.99       | PK+  | 150         | H    | PASS    |
| 2   | 2763.357    | 48.98          | -14.51     | 34.47          | 74.00          | 39.53       | PK+  | 150         | H    | PASS    |
| 3   | 5543.714    | 49.07          | -4.84      | 44.23          | 74.00          | 29.77       | PK+  | 150         | H    | PASS    |
| 4   | 8080.429    | 46.00          | 0.53       | 46.53          | 74.00          | 27.47       | PK+  | 150         | H    | PASS    |
| 5   | 9019.643    | 44.47          | 2.25       | 46.72          | 74.00          | 27.28       | PK+  | 150         | H    | PASS    |
| 6   | 9580.857    | 44.76          | 2.59       | 47.35          | 74.00          | 26.65       | PK+  | 150         | H    | PASS    |

Test mode: FSK

Frequency:

Channel : 923.95 MHz

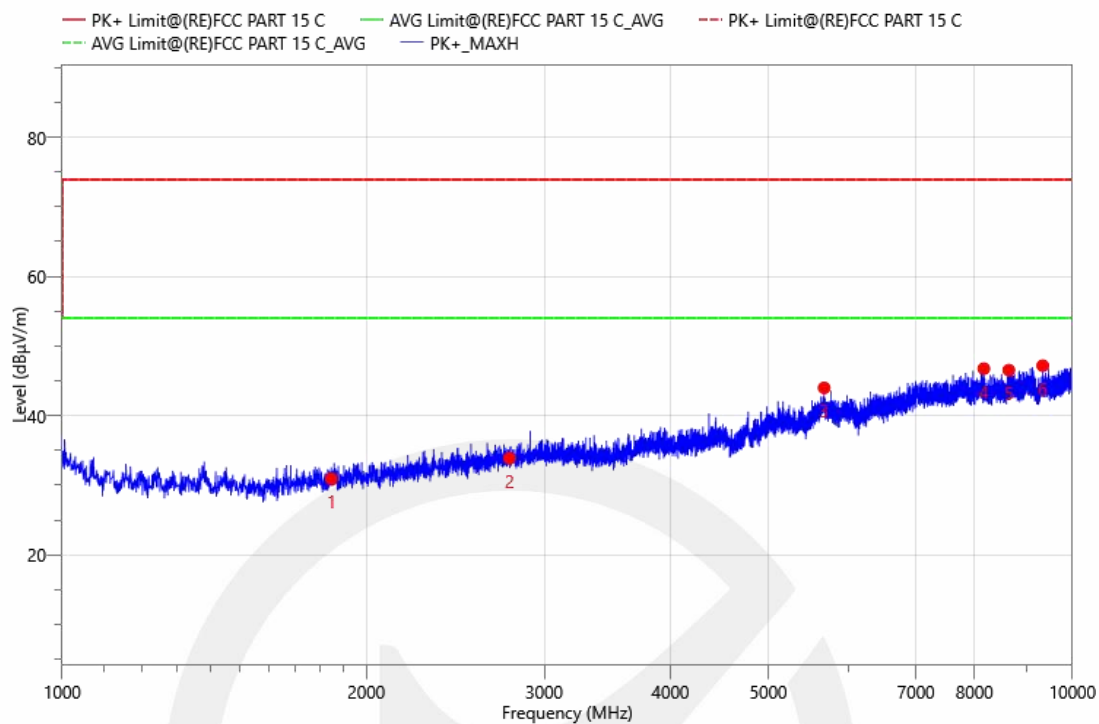


| No. | Freq. (MHz) | Reading (dBµV) | Corr. (dB) | Meas. (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1847.286    | 48.98          | -18.42     | 30.56          | 74.00          | 43.44       | PK+  | 150         | V    | PASS    |
| 2   | 2772.357    | 47.64          | -14.47     | 33.17          | 74.00          | 40.83       | PK+  | 150         | V    | PASS    |
| 3   | 7734.571    | 46.73          | 0.71       | 47.44          | 74.00          | 26.56       | PK+  | 150         | V    | PASS    |
| 4   | 8113.857    | 45.81          | 0.5        | 46.31          | 74.00          | 27.69       | PK+  | 150         | V    | PASS    |
| 5   | 9026.714    | 44.70          | 2.25       | 46.95          | 74.00          | 27.05       | PK+  | 150         | V    | PASS    |
| 6   | 9908.714    | 43.73          | 3.65       | 47.38          | 74.00          | 26.62       | PK+  | 150         | V    | PASS    |

Test mode: FSK

Frequency:

Channel : 923.95 MHz

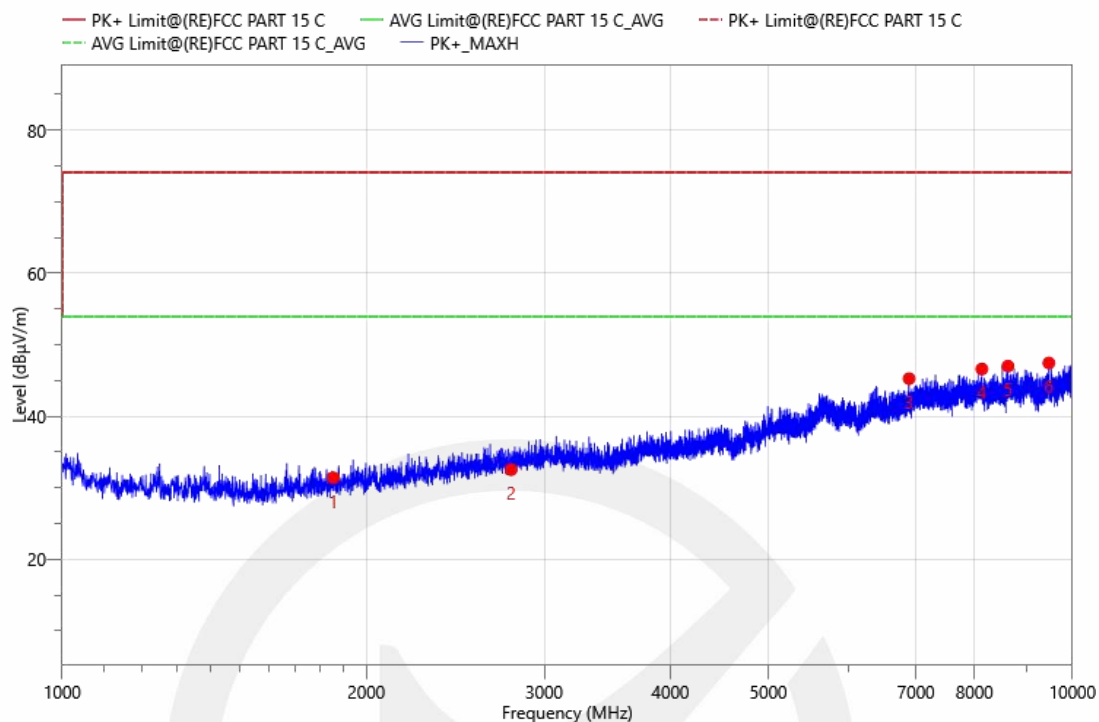


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1847.286    | 49.35          | -18.42     | 30.93          | 74.00          | 43.07       | PK+  | 150         | H    | PASS    |
| 2   | 2772.357    | 48.36          | -14.47     | 33.89          | 74.00          | 40.11       | PK+  | 150         | H    | PASS    |
| 3   | 5678.071    | 47.80          | -3.8       | 44.00          | 74.00          | 30.00       | PK+  | 150         | H    | PASS    |
| 4   | 8170.429    | 46.29          | 0.47       | 46.76          | 74.00          | 27.24       | PK+  | 150         | H    | PASS    |
| 5   | 8649.357    | 45.02          | 1.53       | 46.55          | 74.00          | 27.45       | PK+  | 150         | H    | PASS    |
| 6   | 9345.571    | 44.98          | 2.2        | 47.18          | 74.00          | 26.82       | PK+  | 150         | H    | PASS    |

Test mode: FSK

Frequency:

Channel : 927.20 MHz

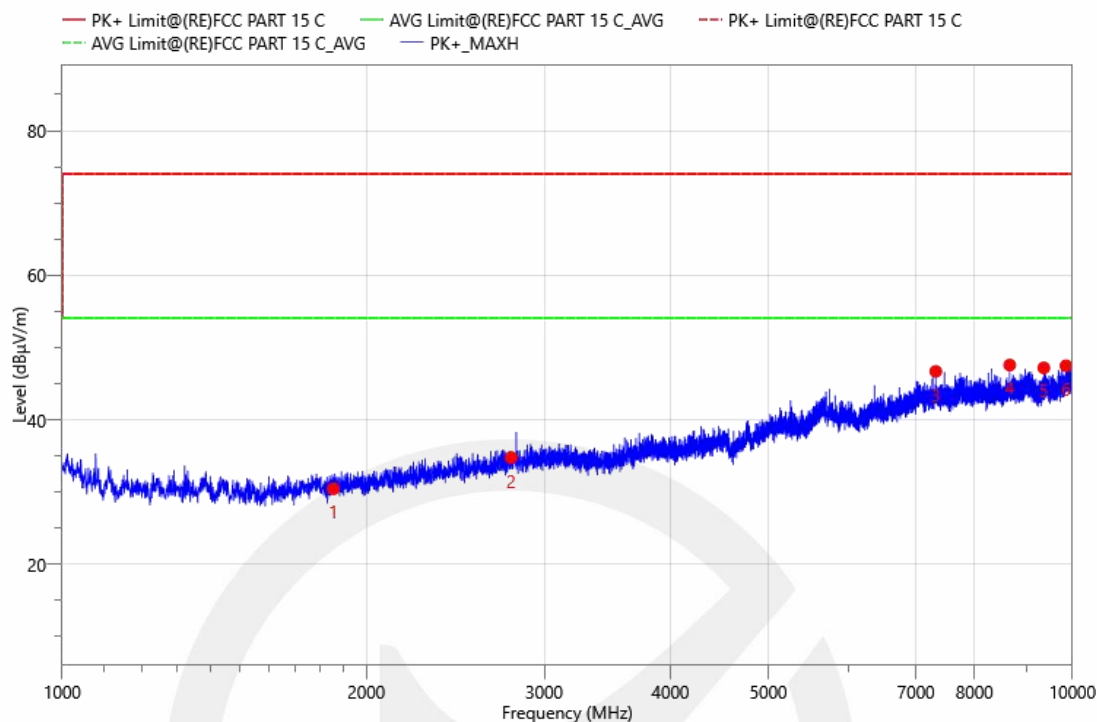


| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1855.000    | 49.79          | -18.38     | 31.41          | 74.00          | 42.59       | PK+  | 150         | H    | PASS    |
| 2   | 2782.000    | 46.97          | -14.43     | 32.54          | 74.00          | 41.46       | PK+  | 150         | H    | PASS    |
| 3   | 6891.143    | 46.69          | -1.43      | 45.26          | 74.00          | 28.74       | PK+  | 150         | H    | PASS    |
| 4   | 8135.071    | 46.12          | 0.49       | 46.61          | 74.00          | 27.39       | PK+  | 150         | H    | PASS    |
| 5   | 8632.000    | 45.57          | 1.44       | 47.01          | 74.00          | 26.99       | PK+  | 150         | H    | PASS    |
| 6   | 9477.357    | 44.64          | 2.81       | 47.45          | 74.00          | 26.55       | PK+  | 150         | H    | PASS    |

Test mode: FSK

Frequency:

Channel : 927.20 MHz



| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Det. | Height (cm) | Pol. | Verdict |
|-----|-------------|----------------|------------|----------------|----------------|-------------|------|-------------|------|---------|
| 1   | 1855.000    | 48.84          | -18.38     | 30.46          | 74.00          | 43.54       | PK+  | 150         | V    | PASS    |
| 2   | 2782.000    | 49.22          | -14.43     | 34.79          | 74.00          | 39.21       | PK+  | 150         | V    | PASS    |
| 3   | 7323.143    | 46.85          | -0.15      | 46.70          | 74.00          | 27.30       | PK+  | 150         | V    | PASS    |
| 4   | 8667.357    | 45.96          | 1.62       | 47.58          | 74.00          | 26.42       | PK+  | 150         | V    | PASS    |
| 5   | 9368.071    | 44.82          | 2.37       | 47.19          | 74.00          | 26.81       | PK+  | 150         | V    | PASS    |
| 6   | 9855.357    | 44.04          | 3.44       | 47.48          | 74.00          | 26.52       | PK+  | 150         | V    | PASS    |

**Note:** (1) Emission Level= Reading Level+Correct Factor +Cable Loss.  
 (2) Correct Factor= Ant\_F + Cab\_L - Preamp  
 (3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

### 8.3 CONDUCTED EMISSIONS TEST

#### 8.3.1 Applicable Standard

According to FCC Part 15.207(a)

#### 8.3.2 Conformance Limit

| Frequency(MHz) | Conducted Emission Limit |         |
|----------------|--------------------------|---------|
|                | Quasi-peak               | Average |
| 0.15-0.5       | 66-56                    | 56-46   |
| 0.5-5.0        | 56                       | 46      |
| 5.0-30.0       | 60                       | 50      |

Note: 1. The lower limit shall apply at the transition frequencies  
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### 8.3.3 Test Configuration

Test according to clause 7.3 conducted emission test setup

#### 8.3.4 Test Procedure

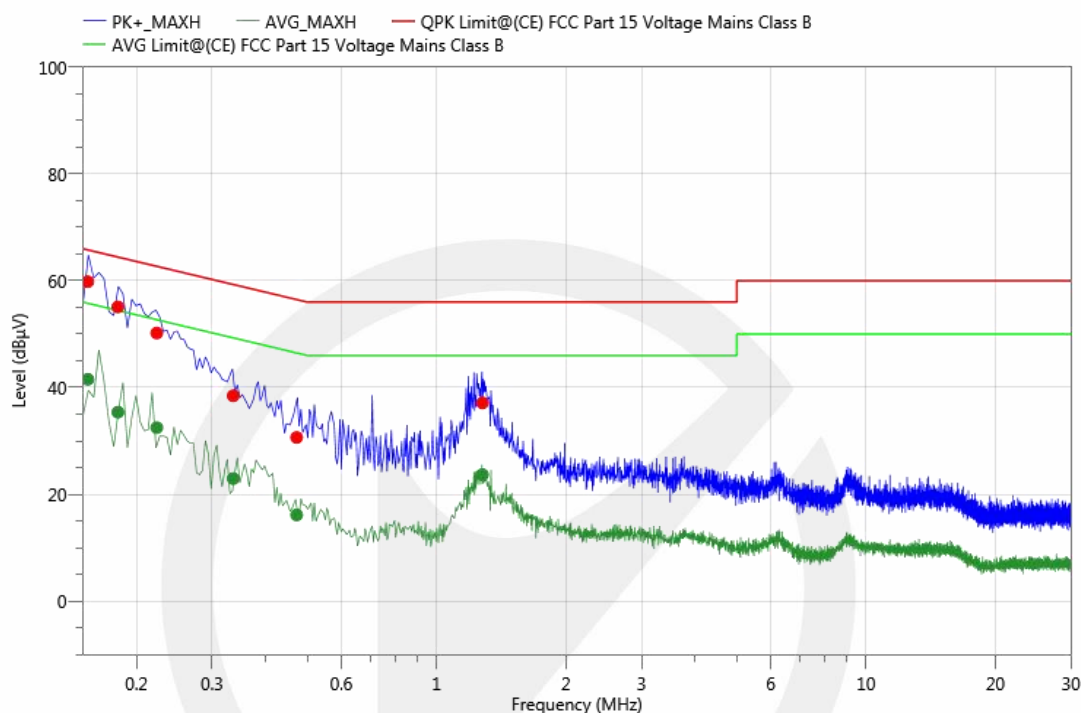
The EUT was placed on a table which is 0.8m above ground plane.  
Maximum procedure was performed on the highest emissions to ensure EUT compliance.  
Repeat above procedures until all frequency measured were complete.

#### 8.3.5 Test Results

**Pass.**

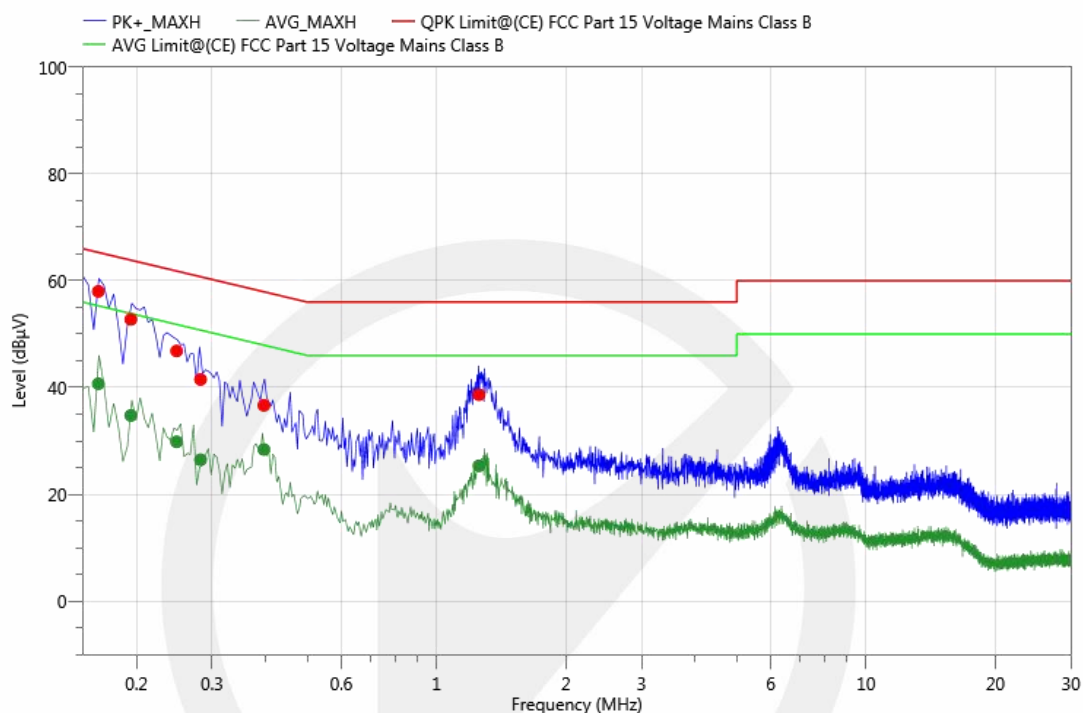
All the modes have been tested, and the worst (Antenna 1,FSK) for 920.95 MHz result recorded was report as below:

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | TX 920.95                                 |
| Voltage :     | AC 120V/60Hz          | Engineer : | Jackson Xue                               |
| Temp :        | 24°C                  | Humi. :    | 61%                                       |



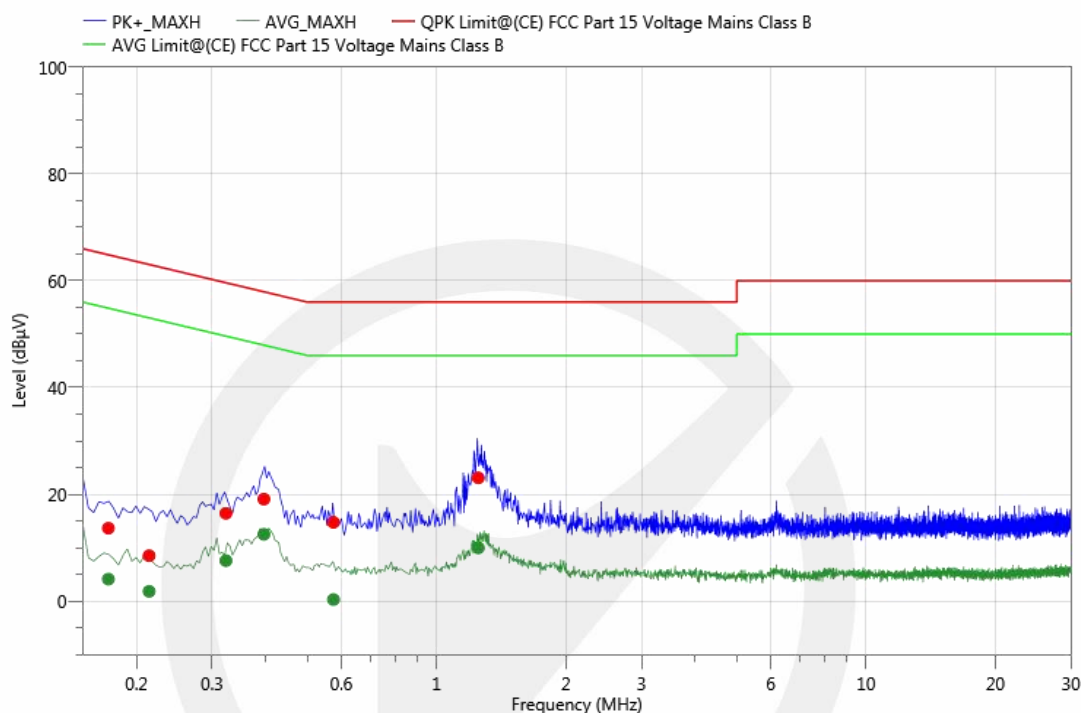
| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV) | Limit (dBμV) | Margin (dB) | Det. | Line | PE  | Verdict |
|-----|-------------|----------------|------------|--------------|--------------|-------------|------|------|-----|---------|
| 1   | 0.154       | 49.72          | 10.1       | 59.82        | 65.78        | 5.96        | QPK  | N    | GND | PASS    |
| 2   | 0.154       | 31.44          | 10.1       | 41.54        | 55.78        | 14.24       | AVG  | N    | GND | PASS    |
| 3   | 0.181       | 45.00          | 10.1       | 55.10        | 64.44        | 9.34        | QPK  | N    | GND | PASS    |
| 4   | 0.181       | 25.28          | 10.1       | 35.38        | 54.44        | 19.06       | AVG  | N    | GND | PASS    |
| 5   | 0.223       | 40.12          | 10.09      | 50.21        | 62.71        | 12.50       | QPK  | N    | GND | PASS    |
| 6   | 0.223       | 22.39          | 10.09      | 32.48        | 52.71        | 20.23       | AVG  | N    | GND | PASS    |
| 7   | 0.336       | 28.40          | 10.06      | 38.46        | 59.30        | 20.84       | QPK  | N    | GND | PASS    |
| 8   | 0.336       | 12.88          | 10.06      | 22.94        | 49.30        | 26.36       | AVG  | N    | GND | PASS    |
| 9   | 0.472       | 20.60          | 10.04      | 30.64        | 56.48        | 25.84       | QPK  | N    | GND | PASS    |
| 10  | 0.472       | 6.09           | 10.04      | 16.13        | 46.48        | 30.35       | AVG  | N    | GND | PASS    |
| 11  | 1.278       | 26.98          | 10.13      | 37.11        | 56.00        | 18.89       | QPK  | N    | GND | PASS    |
| 12  | 1.278       | 13.56          | 10.13      | 23.69        | 46.00        | 22.31       | AVG  | N    | GND | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | TX 920.95                                 |
| Voltage :     | AC 120V/60Hz          | Engineer : | Jackson Xue                               |
| Temp :        | 24°C                  | Humi. :    | 61%                                       |



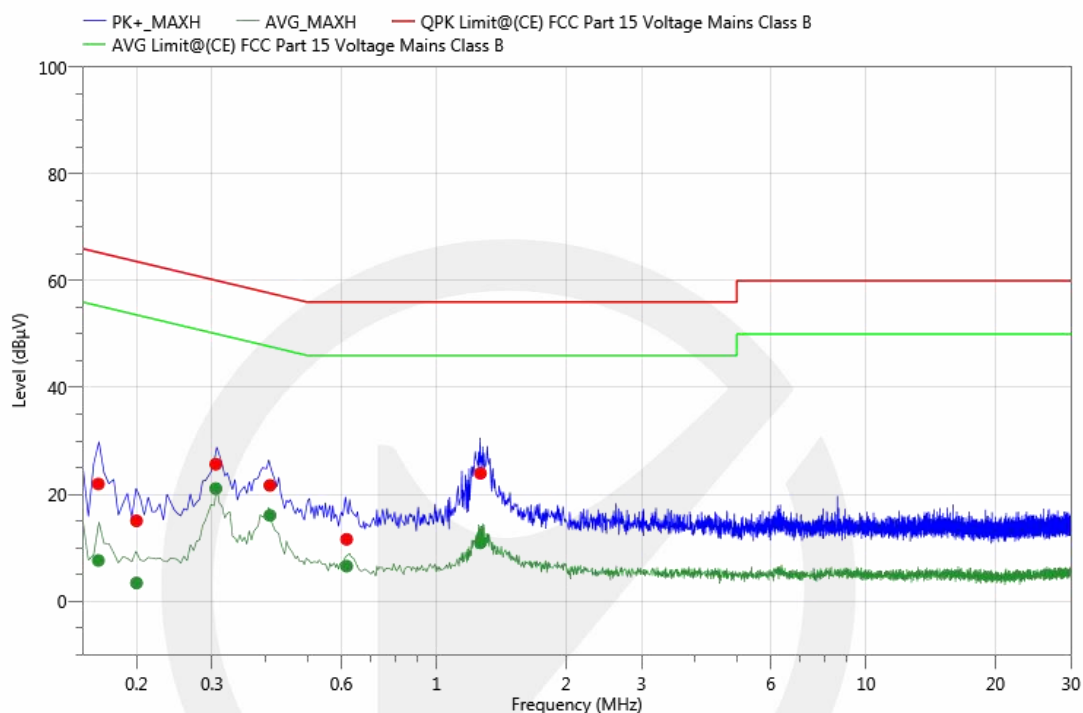
| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV) | Limit (dBμV) | Margin (dB) | Det. | Line | PE  | Verdict |
|-----|-------------|----------------|------------|--------------|--------------|-------------|------|------|-----|---------|
| 1   | 0.163       | 47.90          | 10.11      | 58.01        | 65.31        | 7.30        | QPK  | L1   | GND | PASS    |
| 2   | 0.163       | 30.60          | 10.11      | 40.71        | 55.31        | 14.60       | AVG  | L1   | GND | PASS    |
| 3   | 0.194       | 42.66          | 10.1       | 52.76        | 63.86        | 11.10       | QPK  | L1   | GND | PASS    |
| 4   | 0.194       | 24.66          | 10.1       | 34.76        | 53.86        | 19.10       | AVG  | L1   | GND | PASS    |
| 5   | 0.248       | 36.76          | 10.09      | 46.85        | 61.82        | 14.97       | QPK  | L1   | GND | PASS    |
| 6   | 0.248       | 19.74          | 10.09      | 29.83        | 51.82        | 21.99       | AVG  | L1   | GND | PASS    |
| 7   | 0.282       | 31.43          | 10.08      | 41.51        | 60.76        | 19.25       | QPK  | L1   | GND | PASS    |
| 8   | 0.282       | 16.39          | 10.08      | 26.47        | 50.76        | 24.29       | AVG  | L1   | GND | PASS    |
| 9   | 0.396       | 26.60          | 10.06      | 36.66        | 57.94        | 21.28       | QPK  | L1   | GND | PASS    |
| 10  | 0.396       | 18.34          | 10.06      | 28.40        | 47.94        | 19.54       | AVG  | L1   | GND | PASS    |
| 11  | 1.255       | 28.50          | 10.15      | 38.65        | 56.00        | 17.35       | QPK  | L1   | GND | PASS    |
| 12  | 1.255       | 15.18          | 10.15      | 25.33        | 46.00        | 20.67       | AVG  | L1   | GND | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | TX 920.95                                 |
| Voltage :     | AC 120V/60Hz          | Engineer : | Jackson Xue                               |
| Temp :        | 24°C                  | Humi. :    | 61%                                       |



| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV) | Limit (dBμV) | Margin (dB) | Det. | Line | PE  | Verdict |
|-----|-------------|----------------|------------|--------------|--------------|-------------|------|------|-----|---------|
| 1   | 0.172       | 3.53           | 10.12      | 13.65        | 64.86        | 51.21       | QPK  | L2   | GND | PASS    |
| 2   | 0.172       | -6.01          | 10.12      | 4.11         | 54.86        | 50.75       | AVG  | L2   | GND | PASS    |
| 3   | 0.214       | -1.61          | 10.11      | 8.50         | 63.05        | 54.55       | QPK  | L2   | GND | PASS    |
| 4   | 0.214       | -8.29          | 10.11      | 1.82         | 53.05        | 51.23       | AVG  | L2   | GND | PASS    |
| 5   | 0.323       | 6.34           | 10.09      | 16.43        | 59.63        | 43.20       | QPK  | L2   | GND | PASS    |
| 6   | 0.323       | -2.52          | 10.09      | 7.57         | 49.63        | 42.06       | AVG  | L2   | GND | PASS    |
| 7   | 0.396       | 9.02           | 10.07      | 19.09        | 57.94        | 38.85       | QPK  | L2   | GND | PASS    |
| 8   | 0.396       | 2.43           | 10.07      | 12.50        | 47.94        | 35.44       | AVG  | L2   | GND | PASS    |
| 9   | 0.575       | 4.67           | 10.07      | 14.74        | 56.00        | 41.26       | QPK  | L2   | GND | PASS    |
| 10  | 0.575       | -9.79          | 10.07      | 0.28         | 46.00        | 45.72       | AVG  | L2   | GND | PASS    |
| 11  | 1.250       | 12.92          | 10.16      | 23.08        | 56.00        | 32.92       | QPK  | L2   | GND | PASS    |
| 12  | 1.250       | -0.19          | 10.16      | 9.97         | 46.00        | 36.03       | AVG  | L2   | GND | PASS    |

|               |                       |            |                                           |
|---------------|-----------------------|------------|-------------------------------------------|
| Project No. : | ENB2603300254W002     | Customer : | NingBo Deye Inverter Technology Co., Ltd. |
| Sample No. :  | ENB2603300254W002-1-1 | EUT :      | Smart CT                                  |
| Model :       | SUN-SMART-CTU2-L      | Mode :     | TX 920.95                                 |
| Voltage :     | AC 120V/60Hz          | Engineer : | Jackson Xue                               |
| Temp :        | 24°C                  | Humi. :    | 61%                                       |



| No. | Freq. (MHz) | Reading (dBμV) | Corr. (dB) | Meas. (dBμV) | Limit (dBμV) | Margin (dB) | Det. | Line | PE  | Verdict |
|-----|-------------|----------------|------------|--------------|--------------|-------------|------|------|-----|---------|
| 1   | 0.163       | 11.87          | 10.06      | 21.93        | 65.31        | 43.38       | QPK  | L3   | GND | PASS    |
| 2   | 0.163       | -2.46          | 10.06      | 7.60         | 55.31        | 47.71       | AVG  | L3   | GND | PASS    |
| 3   | 0.200       | 4.96           | 10.06      | 15.02        | 63.61        | 48.59       | QPK  | L3   | GND | PASS    |
| 4   | 0.200       | -6.68          | 10.06      | 3.38         | 53.61        | 50.23       | AVG  | L3   | GND | PASS    |
| 5   | 0.306       | 15.59          | 10.04      | 25.63        | 60.08        | 34.45       | QPK  | L3   | GND | PASS    |
| 6   | 0.306       | 11.03          | 10.04      | 21.07        | 50.08        | 29.01       | AVG  | L3   | GND | PASS    |
| 7   | 0.409       | 11.64          | 10.02      | 21.66        | 57.67        | 36.01       | QPK  | L3   | GND | PASS    |
| 8   | 0.409       | 6.02           | 10.02      | 16.04        | 47.67        | 31.63       | AVG  | L3   | GND | PASS    |
| 9   | 0.617       | 1.54           | 10.03      | 11.57        | 56.00        | 44.43       | QPK  | L3   | GND | PASS    |
| 10  | 0.617       | -3.49          | 10.03      | 6.54         | 46.00        | 39.46       | AVG  | L3   | GND | PASS    |
| 11  | 1.264       | 13.84          | 10.09      | 23.93        | 56.00        | 32.07       | QPK  | L3   | GND | PASS    |
| 12  | 1.264       | 0.81           | 10.09      | 10.90        | 46.00        | 35.10       | AVG  | L3   | GND | PASS    |

## 8.4 ANTENNA APPLICATION

### 8.4.1 Antenna Requirement

| Standard            | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCC CRF Part 15.203 | An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded. |

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

### 8.4.2 Result

PASS.

- Note:
- ☐ Antenna use a permanently attached antenna which is not replaceable.
  - ☒ Using a standard antenna jack or electrical connector for antenna replacement
  - ☐ The antenna has to be professionally installed (please provide method of installation)

which in accordance to section 15.203, please refer to the internal photos.

\*\*\* End of Report \*\*\*