

## Industrial Internet Innovation Center (Shanghai) Co.,Ltd.

## EMC TEST REPORT

|             |                                         |
|-------------|-----------------------------------------|
| PRODUCT     | Smart POS System                        |
| BRAND       | SUNMI                                   |
| MODEL       | T6F10                                   |
| APPLICANT   | Shanghai Sunmi Technology Co.,Ltd.      |
| FCC ID      | 2AH25T6F10                              |
| ISSUE DATE  | August 5, 2024                          |
| STANDARD(S) | FCC Part 15, Subpart B, ANSI C63.4-2014 |

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## 1 Summary of Test Report

### 1.1 Test Standard (s)

| No.                                                                                                 | Test Standard(s)       | Title                                                                                                                               |
|-----------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                   | FCC Part 15, Subpart B | Radio frequency devices                                                                                                             |
| 2                                                                                                   | ANSI C63.4             | Method of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz |
| NOTE: According to customer requirements, test and report using the latest version of the standard. |                        |                                                                                                                                     |

### 1.2 Summary of Test Results

| No. | Item(s)               | FCC Standard(s) | Verdicts for Single Item | Detailed Results |
|-----|-----------------------|-----------------|--------------------------|------------------|
| 1   | Radiated Emission     | 15.109(a)       | Pass                     | See section 6.1  |
| 2   | AC Conducted Emission | 15.107(a)       | Pass                     | See section 6.2  |

**NOTE:**

The T6F10, manufactured by Shanghai Sunmi Technology Co.,Ltd. is a variant product for testing. This project is a variant project based on the original report 23T04I30131-EMC01-V01 with below changes:

- Scanner position and the appearance of the top change.
- PCBA change.

There are two configurations S02aa (Mainly Supply), S06aa (Secondary Supply). According to the product change description, we tested the worst mode of all test items in the original report as shown in Section 5.3.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. only performed test cases which identified with Pass/Fail/Inc result in section 1.3.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report.

The description of the differences between S02aa (Mainly Supply) & S06aa (Secondary Supply) are as follows:

| Model<br>Difference                | T6F10 (High Configuration)<br>S02aa (Mainly Supply)      | T6F10 (Basic Configuration)<br>S06aa (Secondary Supply) |
|------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| Scanner                            | Yes                                                      | No                                                      |
| LCD (Just different manufacturers) | SHENZHEN DJN PHOTOELECTRIC TECHNOLOGY CO., LTD           | CPT Technology (Group) Co.,Ltd                          |
| DDR                                | It's just that the manufacturer and memory are different |                                                         |
| EMMC                               | It's just that the manufacturer and memory are different |                                                         |

## 2 General Information of The Laboratory

### 2.1 Testing Laboratory

|                      |                                                            |
|----------------------|------------------------------------------------------------|
| Lab Name             | Industrial Internet Innovation Center (Shanghai) Co.,Ltd.  |
| Address              | Building 4, No. 766, Jingang Road, Pudong, Shanghai, China |
| Telephone            | 021-68866880                                               |
| FCC Registration No. | 708870                                                     |
| FCC Designation No.  | CN1364                                                     |
| IC designation No.   | 10766A                                                     |
| CAB identifier       | CN0067                                                     |

### 2.2 Laboratory Environmental Requirements

|                      |              |
|----------------------|--------------|
| Temperature          | 15℃~35℃      |
| Relative Humidity    | 25%RH~75%RH  |
| Atmospheric Pressure | 86kPa~106kPa |
| Supply Voltage       | 120V/60Hz    |

### 2.3 Project Information

|                 |                                |
|-----------------|--------------------------------|
| Project Manager | Gao Hongning                   |
| Test Date       | July 04, 2024 to July 17, 2024 |

### 3 General Information of The Customer

#### 3.1 Applicant

|           |                                                                  |
|-----------|------------------------------------------------------------------|
| Company   | Shanghai Sunmi Technology Co.,Ltd.                               |
| Address   | Room 505, No.388,Song Hu Road, Yang Pu District, Shanghai, China |
| Telephone | 18826519551                                                      |

#### 3.2 Manufacturer

|           |                                                                  |
|-----------|------------------------------------------------------------------|
| Company   | Shanghai Sunmi Technology Co.,Ltd.                               |
| Address   | Room 505, No.388,Song Hu Road, Yang Pu District, Shanghai, China |
| Telephone | 18826519551                                                      |

#### 3.3 Factory

|         |     |
|---------|-----|
| Company | N/A |
| Address | N/A |

## 4 General Information of The Product

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

|                                      |                                                                                                                                                                                                                           |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                              | Smart POS System                                                                                                                                                                                                          |
| Model                                | T6F10                                                                                                                                                                                                                     |
| Date of Receipt                      | July 02, 2024                                                                                                                                                                                                             |
| EUT ID*                              | S02aa (Mainly Supply), S06aa (Secondary Supply)                                                                                                                                                                           |
| SN/IMEI                              | 868393070001276/868393070003272<br>868393070001219/868393070003215                                                                                                                                                        |
| Supported Radio Technology and Bands | GSM850/GSM900/GSM1800/GSM1900<br>WCDMA Band I/II/IV/V/VI/VIII/XIX<br>LTE Band 1/2/3/4/5/7/8/18/19/20/26/28/34/38/39/40/41<br>BT 5.0 BR/EDR/BLE<br>WLAN 802.11b,g,n<br>WLAN 802.11a,n,ac<br>GPS/Galileo/GLONASS/BDS<br>NFC |
| Hardware Version                     | V1.0(LA+EU)                                                                                                                                                                                                               |
| Software Version                     | V3.0.0                                                                                                                                                                                                                    |
| Power Rating                         | DC 7.7V form battery, DC 5V form adapter                                                                                                                                                                                  |

NOTE1: EUT ID is the internal identification code of the laboratory.

NOTE2: Photographs of EUT are shown in ANNEX A of this test report.

NOTE3: Samples in the test report are provided by the customer. The test results are only applicable to the samples received by the laboratory.

### 4.2 Description for Auxiliary Equipment (AE)

| AE ID* | Description | Model              | SN/Remark                                           |
|--------|-------------|--------------------|-----------------------------------------------------|
| CA01   | Adapter     | TPA-141A050200UU01 | N/A                                                 |
| CB01   | Adapter     | UC13US             | N/A                                                 |
| CC01   | Adapter     | TPA-23A050200UU01  | N/A                                                 |
| UA01   | AC Cable    | N/A                | N/A                                                 |
| BA02   | Battery     | HPPA               | Guangdong Highpower New Energy Technology Co., Ltd. |

NOTE: \*AE ID is the internal identification code of the laboratory.

## 5 Test Configuration Information

### 5.1 Laboratory Environmental Conditions

#### 5.1.1 Permanent Facilities

|                                                                      |                                             |
|----------------------------------------------------------------------|---------------------------------------------|
| Semi-anechoic chamber SAC3-1 (9 m*8m*6.2m) & SAC3-2 (9.8m*6.7m*6.7m) |                                             |
| Shielding effectiveness                                              | 0.014MHz ~1MHz, >60dB; 1MHz~1000MHz, >90dB. |
| Electrical insulation                                                | > 2MΩ                                       |
| Ground system resistance                                             | < 4Ω                                        |
| Normalised site attenuation (NSA)                                    | < ± 4 dB, 3m distance, from 30 to 1000 MHz  |
| Site voltage standing-wave ratio (SVSWR)                             | Between 0 and 6 dB, from 1GHz to 18GHz      |
| Uniformity of field strength                                         | Between 0 and 6 dB, from 80 to 6000 MHz     |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Shielded room            |                                            |
| Shielding effectiveness  | 0.014MHz~1MHz, >60dB; 1MHz~1000MHz, >90dB. |
| Electrical insulation    | > 2 MΩ                                     |
| Ground system resistance | < 4Ω                                       |

### 5.2 Decision of final test mode

The EUT was tested in conjunction with the accessories in Section 4.2. We tested all of the following test modes and selected the worst mode from the test results and recorded them in the report.

The test configuration modes are as the following:

#### S02aa (Mainly Supply)

| Test Item             | Test setup and operating modes                                                                                                                                     |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radiated emission     | 30MHz-18GHz frequency range:<br>Mode 1: GSM 1900 receiver mode+ Back Camera+ CA01+ UA01+ BA02<br>Mode 2: WCDMA BAND V receiver mode+ Back Camera+ CA01+ UA01+ BA02 |
| AC Conducted emission | Mode 3: LTE Band 2 receiver mode+ Back Camera+ CC01+ UA01+ BA02                                                                                                    |

Note:

1. The worst case of radiated emission for 30MHz-1GHz is Mode 1 and for 1GHz -18GHz is Mode 2.
2. The worst case for conducted emission is mode 3.

#### S06aa (Secondary Supply)

| Test Item                                                                                                                                                                                                                  | Test setup and operating modes                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radiated emission                                                                                                                                                                                                          | 30MHz-18GHz frequency range:<br>Mode 1: GSM 1900 receiver mode+ Back Camera+ CA01+ UA01+ BA02<br>Mode 2: WCDMA BAND V receiver mode+ Back Camera+ CA01+ UA01+ BA02 |
| AC Conducted emission                                                                                                                                                                                                      | Mode 3: LTE Band 2 receiver mode+ Back Camera+ CC01+ UA01+ BA02                                                                                                    |
| <p>Note:</p> <ol style="list-style-type: none"> <li>1. The worst case of radiated emission for 30MHz-1GHz is Mode 1 and for 1GHz -18GHz is Mode 2.</li> <li>2. The worst case for conducted emission is mode 3.</li> </ol> |                                                                                                                                                                    |

### 5.3 EUT System Operation

1. Connect the EUT with AE.
2. Setup the EUT according to the standard.
3. Start testing and monitoring the function.

### 5.4 EUT Connection Diagram of Test System

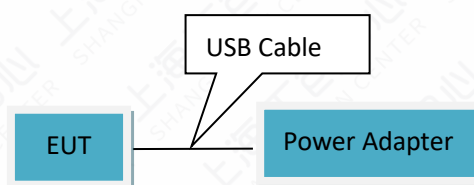


Figure 5.4-1 Mode 1-3

### 5.5 Test Equipment Utilized

| No. | Name                                 | Model           | S/N      | SW Version | HW Version    | Manufacturer | Cal. Date  | Cal. Interval |
|-----|--------------------------------------|-----------------|----------|------------|---------------|--------------|------------|---------------|
| 1   | Test Receiver                        | ESCI            | 101235   | V5.1-24-3  | 00            | R&S          | 2023-12-19 | 1 year        |
| 2   | Test Receiver                        | ESR7            | 102399   | 1.4        | 00            | R&S          | 2024-06-07 | 1 year        |
| 3   | Test Receiver                        | FSW43           | 101943   | 1.12       | 00            | R&S          | 2023-08-31 | 1 year        |
| 4   | Trilog Antenna                       | VULB9162        | 00426    | N/A        | N/A           | Schwarzbeck  | 2023-07-18 | 1 year        |
| 5   | Double Ridged Guide Antenna          | ETS-3117        | 00135885 | N/A        | N/A           | ETS          | 2024-03-26 | 1 year        |
| 6   | 2-Line V-Network                     | ENV216          | 101380   | N/A        | N/A           | R&S          | 2023-12-19 | 1 year        |
| 7   | EMI Test Software                    | EMC32 V10.35.02 | N/A      | N/A        | N/A           | R&S          | N/A        | N/A           |
| 8   | EMI Test Software                    | EMC32 V10.60.20 | N/A      | N/A        | N/A           | R&S          | N/A        | N/A           |
| 9   | Universal Radio Communication Tester | CMW500          | 104178   | V3.7.20    | 1206.06 00.00 | R&S          | 2023-10-17 | 1 year        |
| 10  | Preamplifier                         | SCU08F1         | 8320024  | N/A        | N/A           | R&S          | 2023-10-17 | 1 year        |
| 11  | Preamplifier                         | SCU18           | 10155    | N/A        | N/A           | R&S          | 2023-10-17 | 1 year        |

### 5.6 Measurement Uncertainty

| Item (s)                                                                                                                                         | Uncertainty |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Radiated Emission 30MHz-1000MHz                                                                                                                  | 4.86 dB     |
| Radiated Emission 1000MHz-18000MHz                                                                                                               | 5.58 dB     |
| Conducted Emission                                                                                                                               | 3.30 dB     |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$ . |             |

## 6 Test Results

### 6.1 Radiated Emission

#### 6.1.1 Method of Measurement

- a. For 30MHz -1000MHz, the EUT was placed on the top of a rotating 0.8m table above the ground at a semi-anechoic chamber. The distance between the EUT and the received antenna was 3 meters. The table was rotated 360 degree and the received antenna mounted on a variable-height antenna tower was varied from 1m to 4m to find the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement.
- b. For 1000MHz -18000MHz, the EUT was placed on the top of a 0.8m table above the ground at a 3m fully anechoic chamber. The maximal emission value was acquired by adjusting the antenna height, The table was rotated 360 degrees to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement

#### 6.1.2 EUT Connection Diagram of Test System

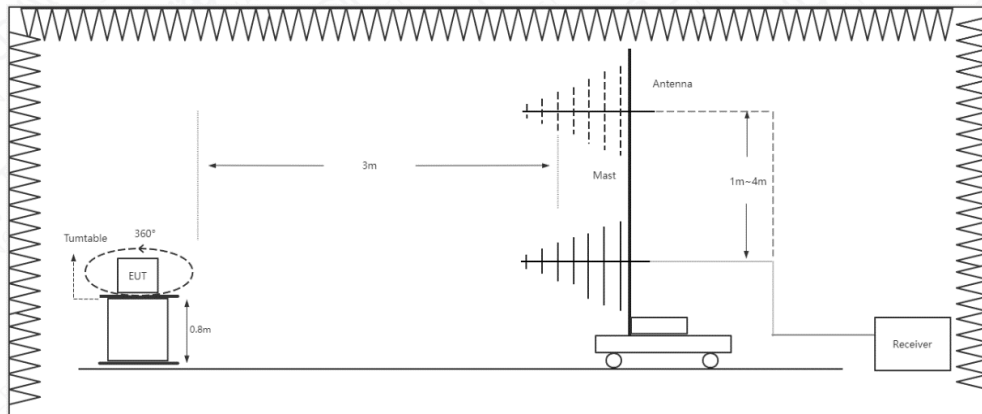


Figure 6.1.2-1 RE 30MHz-1GHz Connection Diagram

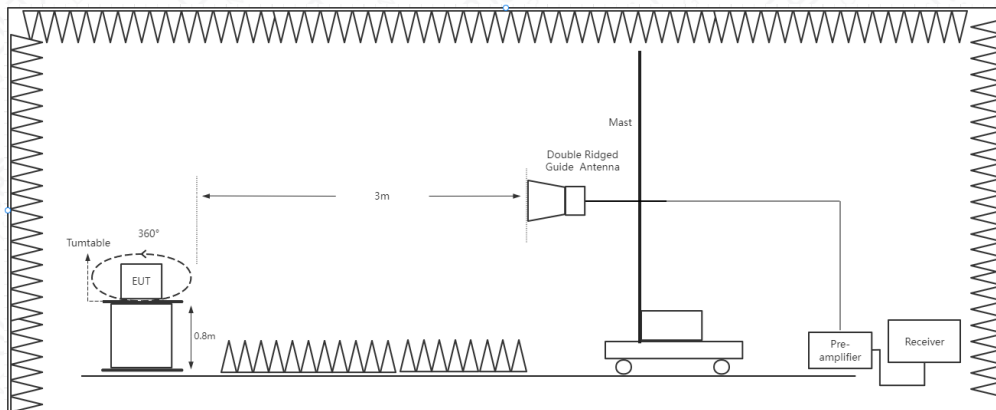


Figure 6.1.2-2 RE Above 1GHz Connection Diagram

### 6.1.3 Test Condition

| Frequency Range (MHz) | RBW/VBW       | Sweep Time (s) |
|-----------------------|---------------|----------------|
| 30-1000               | 120kHz/300kHz | AUTO           |
| 1000-18000            | 1MHz/3MHz     | AUTO           |

### 6.1.4 Limit/Criterion

| Frequency Range (MHz) | Quasi-Peak (dBμV/m) | Peak (dBμV/m) | Average (dBμV/m) |
|-----------------------|---------------------|---------------|------------------|
| 30-88                 | 40                  | N/A           | N/A              |
| 88-216                | 43.5                | N/A           | N/A              |
| 216-960               | 46                  | N/A           | N/A              |
| Above 960             | 54                  | N/A           | N/A              |
| Above 1000            | N/A                 | 74            | 54               |

### 6.1.5 Test environmental conditions

|                      |           |
|----------------------|-----------|
| Temperature          | 23.4℃     |
| Relative Humidity    | 48.9%RH   |
| Atmospheric Pressure | 102.1 kPa |

### 6.1.6 Test Results

#### S02aa (Mainly Supply)

| Mode                                                                       | Frequency (MHz) | Test Results            | Verdicts |
|----------------------------------------------------------------------------|-----------------|-------------------------|----------|
| Mode 1: GSM 1900 receiver mode+ Back Camera+ CA01+ UA01+ BA02              | 30-1000         | See Annex A.1-1         | Pass     |
| Mode 2: WCDMA BAND V receiver mode+ Back Camera+ CA01+ UA01+ BA02          | 1000-18000      | See Annex A.1-2 & A.1-3 | Pass     |
| NOTE Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A |                 |                         |          |

## S06aa (Secondary Supply)

| Mode                                                                       | Frequency (MHz) | Test Results              | Verdicts |
|----------------------------------------------------------------------------|-----------------|---------------------------|----------|
| Mode 1: GSM 1900 receiver mode+ Back Camera+ CA01+ UA01+ BA02              | 30-1000         | See Annex A.1-4           | Pass     |
| Mode 2: WCDMA BAND V receiver mode+ Back Camera+ CA01+ UA01+ BA02          | 1000-18000      | See Annex A.1-5<br>&A.1-6 | Pass     |
| NOTE Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A |                 |                           |          |

## 6.2 Conducted Emission

### 6.2.1 Method of Measurement

The EUT was placed on a 0.8m height table with EUT being connected to the power mains through a line impedance stabilization network (LISN). Both lines of the power mains connected to the EUT were checked for maximum conducted interference. The frequency range from 150 kHz to 30 MHz was searched.

### 6.2.2 EUT Connection Diagram of Test System

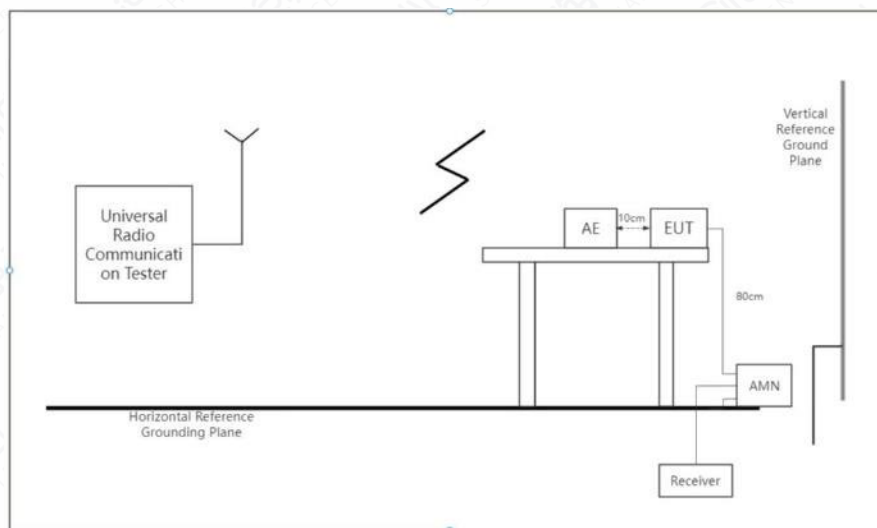


Figure 6.2.2-1 CE Connection Diagram

### 6.2.3 Test Condition

#### Test Condition in Charging Mode

| Voltage (V) | Frequency (Hz) | RBW   | Sweep Time (s) |
|-------------|----------------|-------|----------------|
| 120         | 60             | 9 kHz | AUTO           |

### 6.2.4 Limit

| Frequency Range (MHz)                          | Conducted Limit (dBμV) |           |
|------------------------------------------------|------------------------|-----------|
|                                                | Quasi-peak             | Average   |
| 0.15-0.5                                       | 66 to 56*              | 56 to 46* |
| 0.5-5                                          | 56                     | 46        |
| 5-30                                           | 60                     | 50        |
| *Decreases with the logarithm of the frequency |                        |           |

### 6.2.5 Testing environmental conditions

|                      |          |
|----------------------|----------|
| Temperature          | 24.6°C   |
| Relative Humidity    | 52.7%RH  |
| Atmospheric Pressure | 101.4kPa |

### 6.2.6 Test Results

#### S02aa (Mainly Supply)

| Mode                                                                       | Frequency (MHz) | Test Results    | Verdicts |
|----------------------------------------------------------------------------|-----------------|-----------------|----------|
| Mode 3: LTE Band 2 receiver mode+ Back Camera+ CC01+ UA01+ BA02            | 0.15-30         | See Annex A.2-1 | Pass     |
| NOTE Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A |                 |                 |          |

#### S06aa (Secondary Supply)

| Mode                                                                       | Frequency (MHz) | Test Results    | Verdicts |
|----------------------------------------------------------------------------|-----------------|-----------------|----------|
| Mode 3: LTE Band 2 receiver mode+ Back Camera+ CC01+ UA01+ BA02            | 0.15-30         | See Annex A.2-2 | Pass     |
| NOTE Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A |                 |                 |          |

## Annex A: Measurement Data

### A.1 Radiated Emission

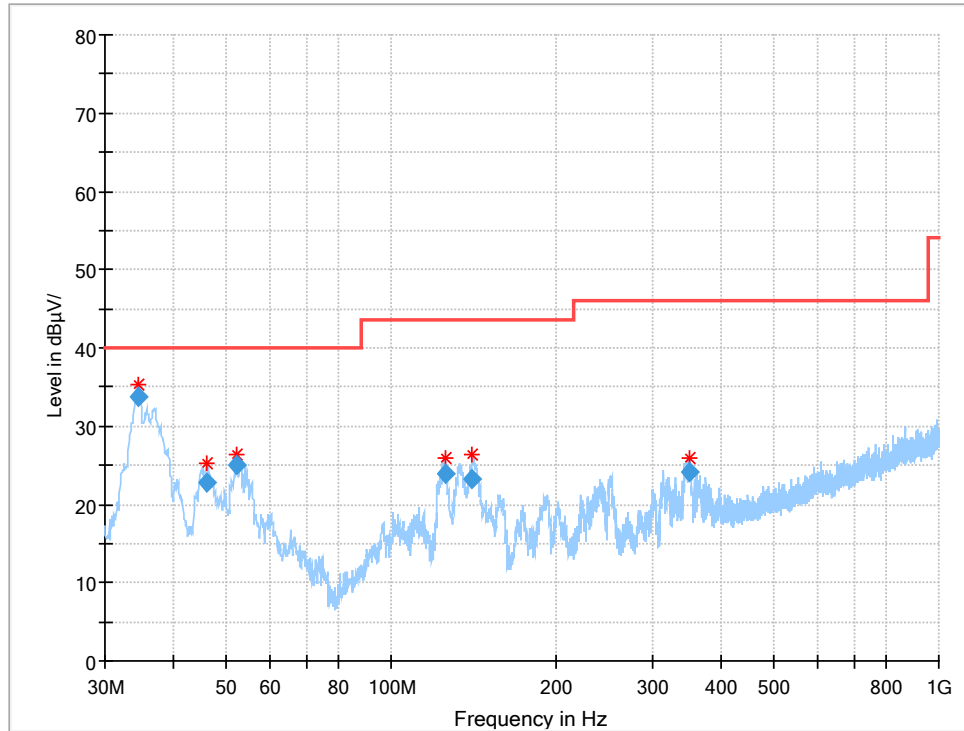


Figure A.1-1 Mode 1 (30M-1GHz) \_ S02aa (Mainly Supply)

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 34.549880       | 33.81              | 40.00          | 6.19        | 100.0       | V   | 274.0         | -15.1        |
| 45.883000       | 22.76              | 40.00          | 17.24       | 100.0       | V   | 0.0           | -11.4        |
| 52.291800       | 25.12              | 40.00          | 14.88       | 100.0       | V   | 6.0           | -11.7        |
| 125.326880      | 24.02              | 43.50          | 19.48       | 100.0       | V   | 1.0           | -15.8        |
| 140.579320      | 23.25              | 43.50          | 20.25       | 100.0       | V   | 43.0          | -16.2        |
| 350.739720      | 24.03              | 46.00          | 21.97       | 100.0       | H   | 232.0         | -8.4         |

Note:

1.Horizontal and vertical polarity is all have been tested, the result of them is synthesized in the above data diagram.

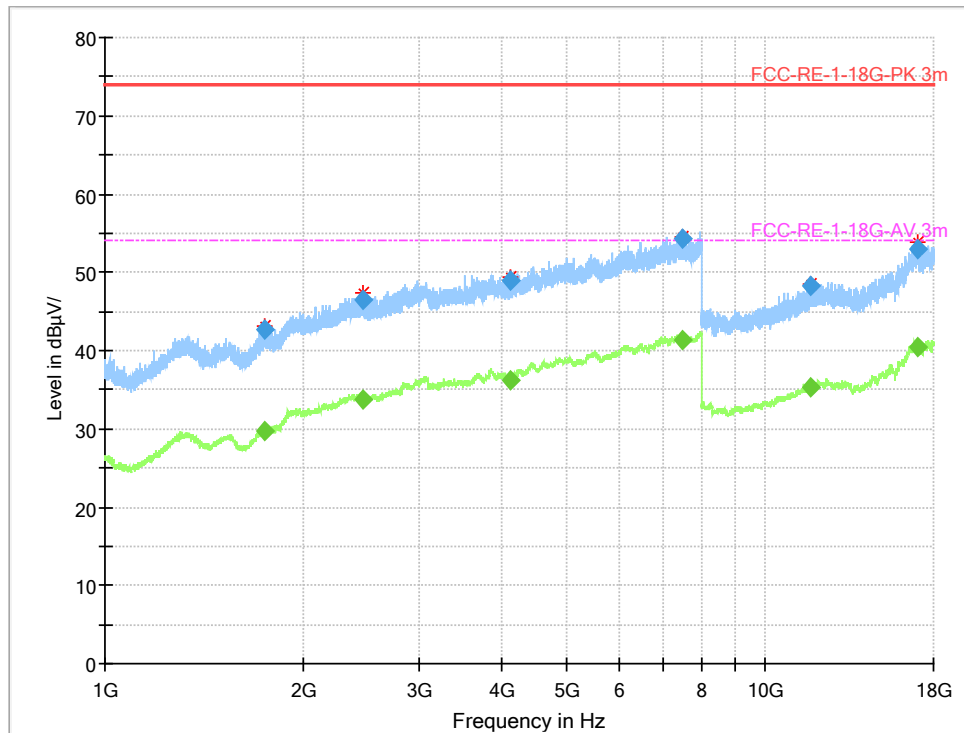


Figure A.1-2 Mode 2 (1GHz-18GHz)-H \_ S02aa (Mainly Supply)

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1748.956250     | ---              | 29.80            | 54.00          | 24.20       | 215.0       | H   | 198.0         | 4.4          |
| 1748.956250     | 42.70            | ---              | 74.00          | 31.30       | 215.0       | H   | 198.0         | 4.4          |
| 2464.326250     | ---              | 33.74            | 54.00          | 20.26       | 100.0       | H   | 79.0          | 8.8          |
| 2464.326250     | 46.43            | ---              | 74.00          | 27.57       | 100.0       | H   | 79.0          | 8.8          |
| 4124.630000     | ---              | 36.25            | 54.00          | 17.75       | 115.0       | H   | 0.0           | 13.3         |
| 4124.630000     | 49.02            | ---              | 74.00          | 24.98       | 115.0       | H   | 0.0           | 13.3         |
| 7508.227500     | 54.22            | ---              | 74.00          | 19.78       | 115.0       | H   | 0.0           | 20.7         |
| 7508.227500     | ---              | 41.24            | 54.00          | 12.76       | 115.0       | H   | 0.0           | 20.7         |
| 11737.583750    | ---              | 35.20            | 54.00          | 18.80       | 215.0       | H   | 118.0         | 13.4         |
| 11737.583750    | 48.24            | ---              | 74.00          | 25.76       | 215.0       | H   | 118.0         | 13.4         |
| 17018.258750    | 53.00            | ---              | 74.00          | 21.00       | 205.0       | H   | 237.0         | 21.9         |
| 17018.258750    | ---              | 40.38            | 54.00          | 13.62       | 205.0       | H   | 237.0         | 21.9         |

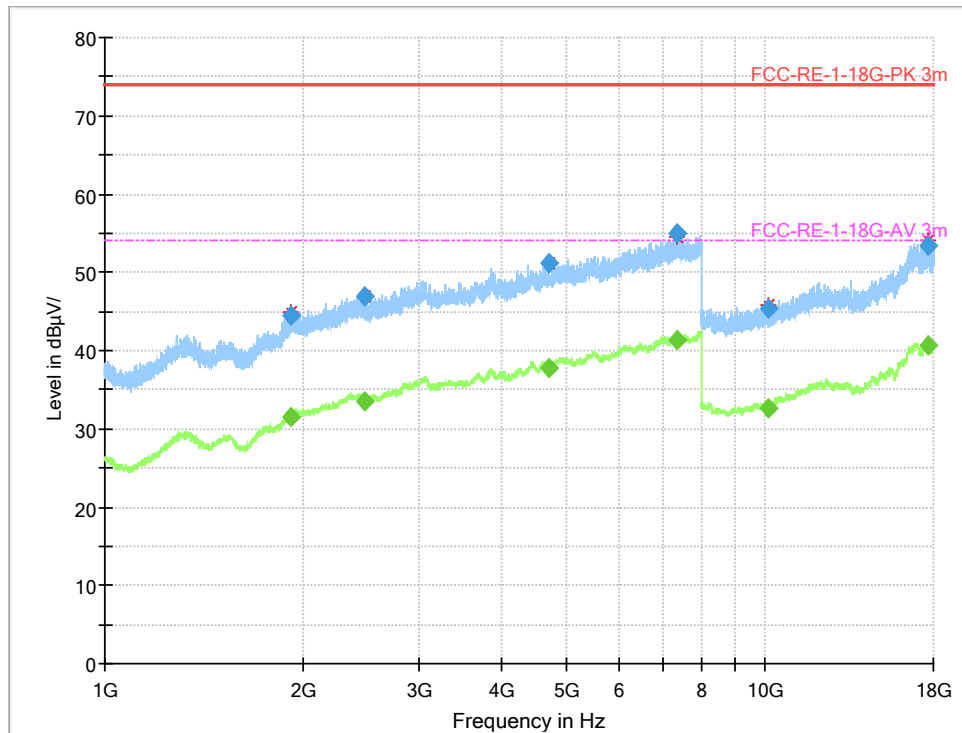


Figure A.1-3 Mode 2 (1GHz-18GHz)-V \_ S02aa (Mainly Supply)

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1914.802500     | ---              | 31.56            | 54.00          | 22.44       | 103.0       | V   | 68.0          | 6.6          |
| 1914.802500     | 44.40            | ---              | 74.00          | 29.60       | 103.0       | V   | 68.0          | 6.6          |
| 2469.908750     | 46.90            | ---              | 74.00          | 27.10       | 215.0       | V   | 336.0         | 8.7          |
| 2469.908750     | ---              | 33.60            | 54.00          | 20.40       | 215.0       | V   | 336.0         | 8.7          |
| 4703.441250     | 51.13            | ---              | 74.00          | 22.87       | 115.0       | V   | 85.0          | 14.7         |
| 4703.441250     | ---              | 37.86            | 54.00          | 16.14       | 115.0       | V   | 85.0          | 14.7         |
| 7344.263750     | 55.06            | ---              | 74.00          | 18.94       | 215.0       | V   | 0.0           | 20.4         |
| 7344.263750     | ---              | 41.43            | 54.00          | 12.57       | 215.0       | V   | 0.0           | 20.4         |
| 10149.576250    | 45.31            | ---              | 74.00          | 28.69       | 215.0       | V   | 322.0         | 9.8          |
| 10149.576250    | ---              | 32.58            | 54.00          | 21.42       | 215.0       | V   | 322.0         | 9.8          |
| 17656.286250    | ---              | 40.75            | 54.00          | 13.25       | 115.0       | V   | 0.0           | 22.5         |
| 17656.286250    | 53.45            | ---              | 74.00          | 20.55       | 115.0       | V   | 0.0           | 22.5         |

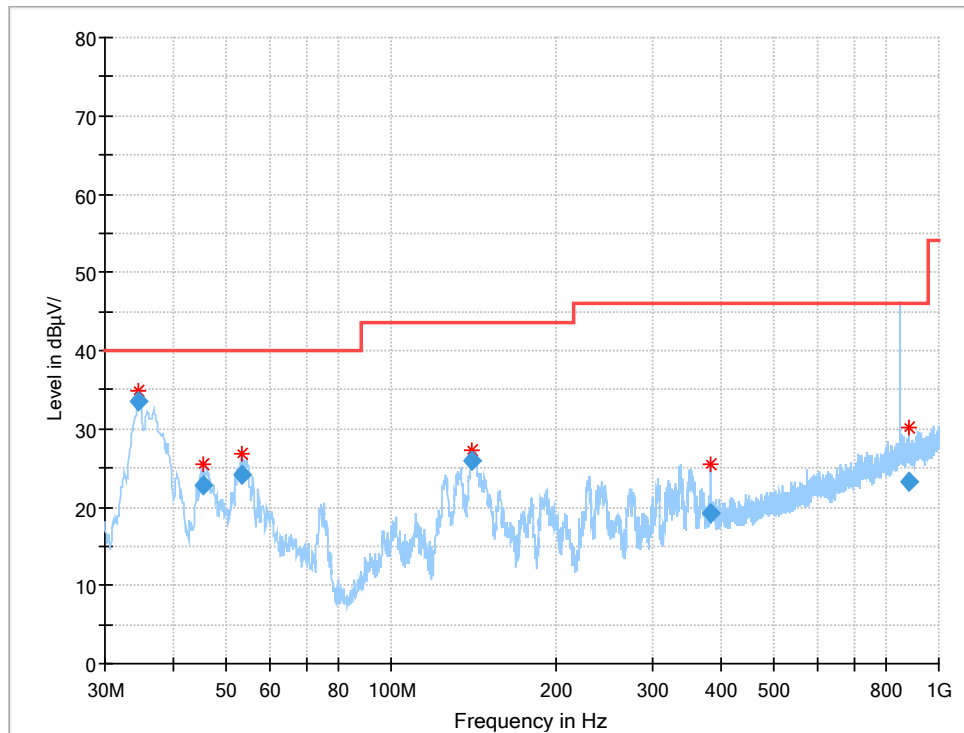


Figure A.1-4 Mode 1 (30M-1GHz) \_ S06aa (Secondary Supply)

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 34.641080       | 33.51              | 40.00          | 6.49        | 100.0       | V   | 203.0         | -15.1        |
| 45.386480       | 22.84              | 40.00          | 17.16       | 100.0       | V   | 0.0           | -11.5        |
| 53.364800       | 24.16              | 40.00          | 15.84       | 100.0       | V   | 11.0          | -11.7        |
| 139.998720      | 25.87              | 43.50          | 17.63       | 100.0       | V   | 11.0          | -16.2        |
| 384.002560      | 19.14              | 46.00          | 26.86       | 200.0       | V   | 128.0         | -7.5         |
| 878.876880      | 23.14              | 46.00          | 22.86       | 100.0       | V   | 98.0          | 1.7          |

Note:

1.Horizontal and vertical polarity is all have been tested, the result of them is synthesized in the above data diagram.

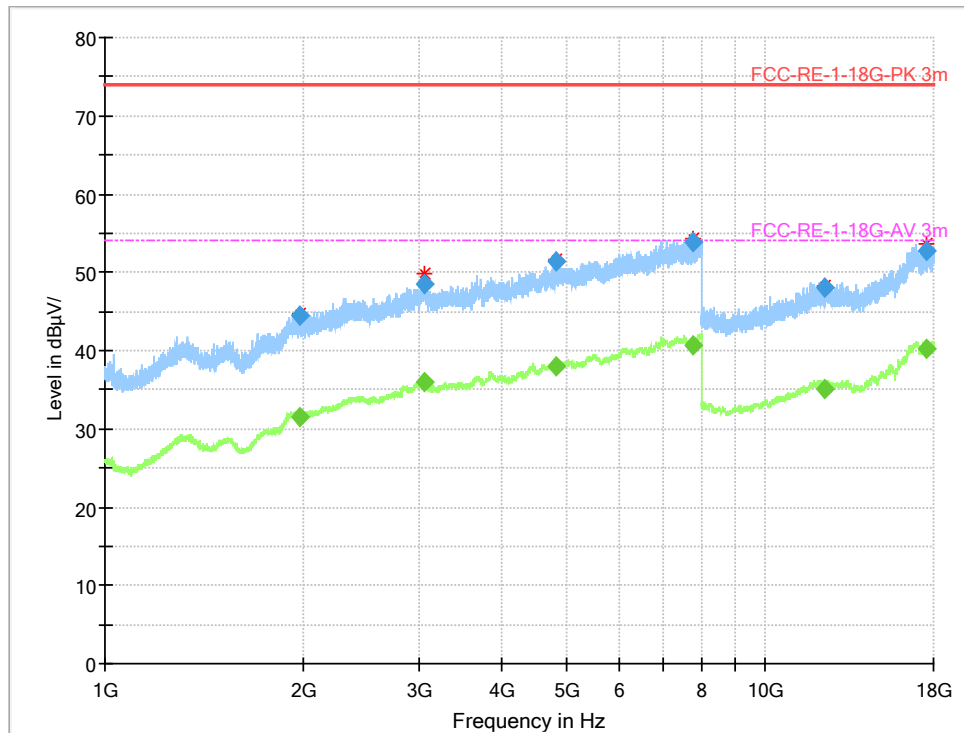


Figure A.1-5 Mode 2 (1GHz-18GHz)-H \_ S06aa (Secondary Supply)

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1975.820000     | 44.40            | ---              | 74.00          | 29.60       | 115.0       | H   | 140.0         | 6.6          |
| 1975.820000     | ---              | 31.51            | 54.00          | 22.50       | 115.0       | H   | 140.0         | 6.6          |
| 3050.087500     | ---              | 36.03            | 54.00          | 17.97       | 215.0       | H   | 0.0           | 12.1         |
| 3050.087500     | 48.59            | ---              | 74.00          | 25.41       | 215.0       | H   | 0.0           | 12.1         |
| 4836.658750     | ---              | 37.91            | 54.00          | 16.09       | 208.0       | H   | 322.0         | 15.1         |
| 4836.658750     | 51.50            | ---              | 74.00          | 22.50       | 208.0       | H   | 322.0         | 15.1         |
| 7800.662500     | ---              | 40.75            | 54.00          | 13.25       | 200.0       | H   | 322.0         | 20.5         |
| 7800.662500     | 53.92            | ---              | 74.00          | 20.08       | 200.0       | H   | 322.0         | 20.5         |
| 12348.706250    | 48.03            | ---              | 74.00          | 25.97       | 215.0       | H   | 98.0          | 15.3         |
| 12348.706250    | ---              | 35.12            | 54.00          | 18.88       | 215.0       | H   | 98.0          | 15.3         |
| 17537.176250    | ---              | 40.25            | 54.00          | 13.75       | 115.0       | H   | 62.0          | 21.9         |
| 17537.176250    | 52.80            | ---              | 74.00          | 21.20       | 115.0       | H   | 62.0          | 21.9         |

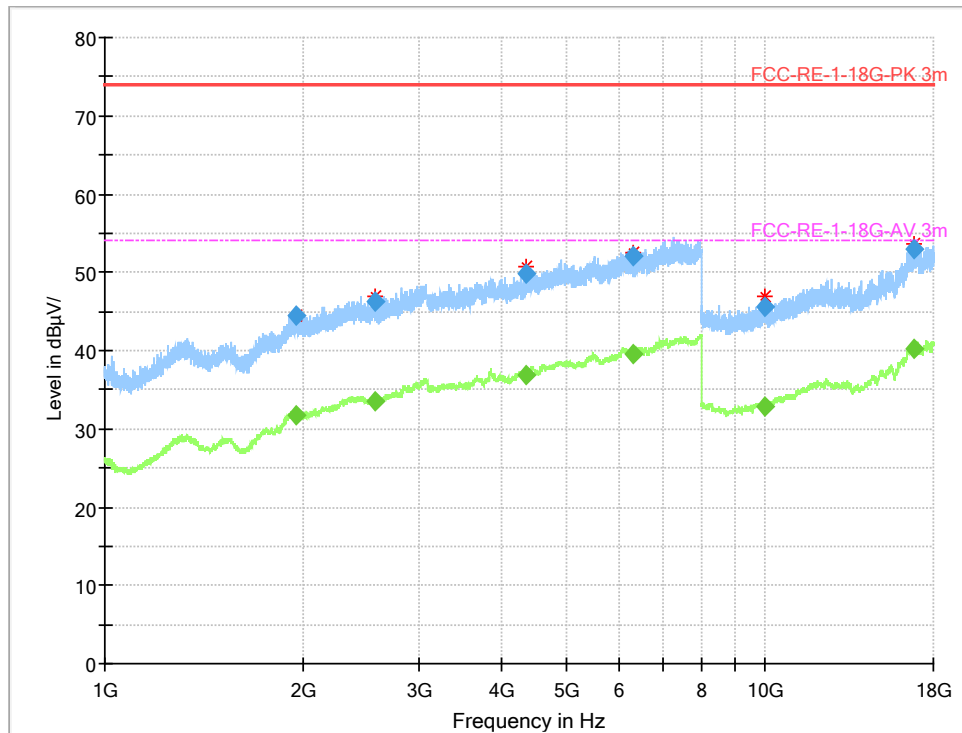


Figure A.1-6 Mode 2 (1GHz-18GHz)-V \_ S06aa (Secondary Supply)

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1950.197500     | 44.42            | ---              | 74.00          | 29.58       | 102.0       | V   | 44.0          | 6.8          |
| 1950.197500     | ---              | 31.70            | 54.00          | 22.30       | 102.0       | V   | 44.0          | 6.8          |
| 2566.718750     | ---              | 33.53            | 54.00          | 20.47       | 215.0       | V   | 288.0         | 9.0          |
| 2566.718750     | 46.18            | ---              | 74.00          | 27.82       | 215.0       | V   | 288.0         | 9.0          |
| 4350.518750     | ---              | 36.84            | 54.00          | 17.16       | 115.0       | V   | 0.0           | 14.0         |
| 4350.518750     | 49.88            | ---              | 74.00          | 24.12       | 115.0       | V   | 0.0           | 14.0         |
| 6307.518750     | ---              | 39.44            | 54.00          | 14.56       | 215.0       | V   | 0.0           | 18.1         |
| 6307.518750     | 52.17            | ---              | 74.00          | 21.83       | 215.0       | V   | 0.0           | 18.1         |
| 10020.477500    | ---              | 32.92            | 54.00          | 21.08       | 104.0       | V   | 62.0          | 9.6          |
| 10020.477500    | 45.50            | ---              | 74.00          | 28.50       | 104.0       | V   | 62.0          | 9.6          |
| 16841.610000    | 52.95            | ---              | 74.00          | 21.05       | 215.0       | V   | 227.0         | 21.9         |
| 16841.610000    | ---              | 40.18            | 54.00          | 13.82       | 215.0       | V   | 227.0         | 21.9         |

## A.2 Conducted Emission

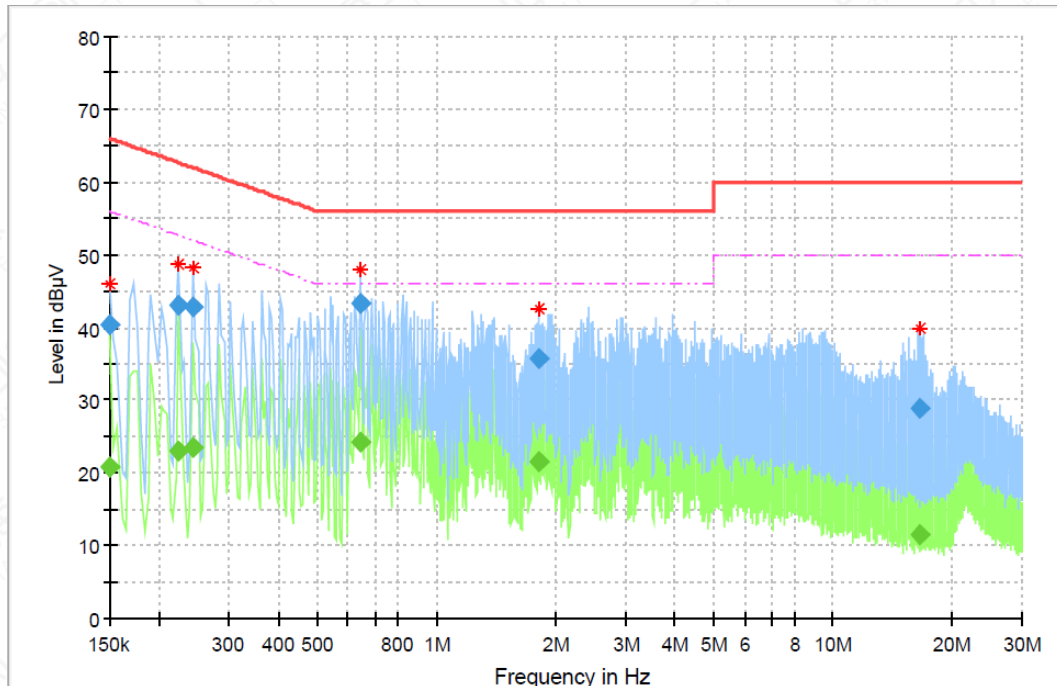


Figure A.2-1 Mode 3 (150kHz-30MHz) \_ S02aa (Mainly Supply)

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.150000        | ---              | 20.75          | 56.00        | 35.25       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.150000        | 40.37            | ---            | 66.00        | 25.63       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.224625        | ---              | 22.96          | 52.65        | 29.69       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.224625        | 43.04            | ---            | 62.65        | 19.61       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.243281        | ---              | 23.55          | 51.98        | 28.44       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.243281        | 42.91            | ---            | 61.98        | 19.07       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.642525        | ---              | 24.11          | 46.00        | 21.89       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.642525        | 43.40            | ---            | 56.00        | 12.60       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 1.814138        | ---              | 21.47          | 46.00        | 24.53       | 15000.0         | 9.000           | N    | ON     | 9.6        |
| 1.814138        | 35.70            | ---            | 56.00        | 20.30       | 15000.0         | 9.000           | N    | ON     | 9.6        |
| 16.552575       | ---              | 11.54          | 50.00        | 38.46       | 15000.0         | 9.000           | N    | ON     | 10.0       |
| 16.552575       | 28.95            | ---            | 60.00        | 31.05       | 15000.0         | 9.000           | N    | ON     | 10.0       |

Note: L1 and N line is all have been tested, the result of them is synthesized in the above data diagram.

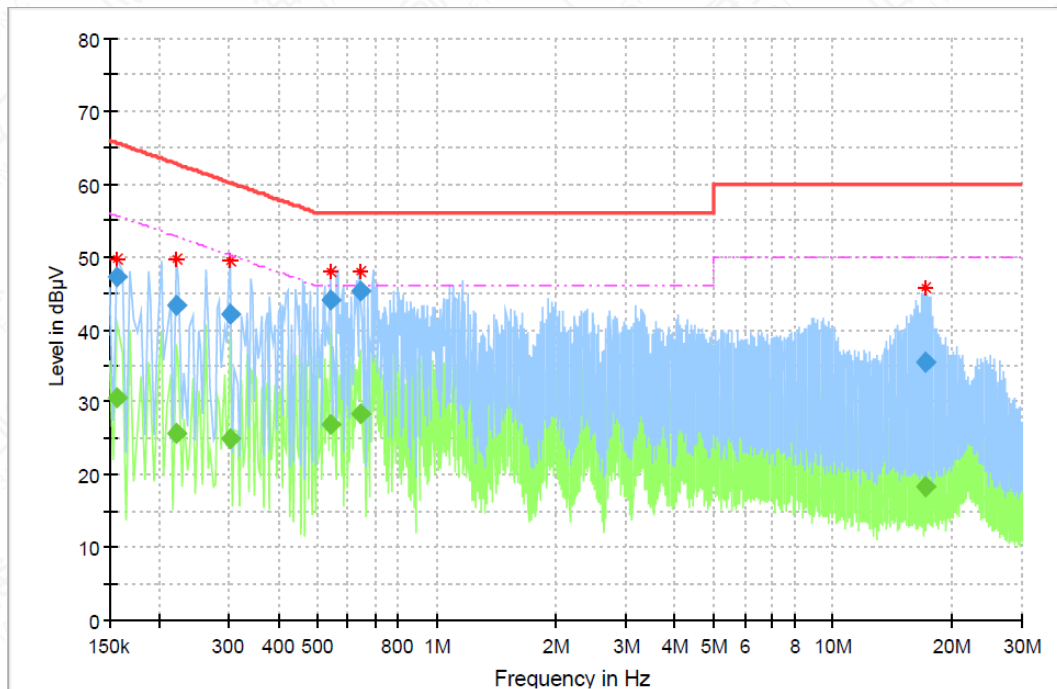


Figure A.2-2 Mode 3 (150kHz-30MHz) \_ S06aa (Secondary Supply)

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.157463        | ---              | 30.59          | 55.60        | 25.01       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.157463        | 47.16            | ---            | 65.60        | 18.44       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.220894        | ---              | 25.65          | 52.79        | 27.13       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.220894        | 43.30            | ---            | 62.79        | 19.49       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.302981        | ---              | 25.06          | 50.16        | 25.10       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.302981        | 42.11            | ---            | 60.16        | 18.05       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.541781        | ---              | 26.93          | 46.00        | 19.07       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.541781        | 44.00            | ---            | 56.00        | 12.00       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.642525        | ---              | 28.40          | 46.00        | 17.60       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 0.642525        | 45.33            | ---            | 56.00        | 10.67       | 15000.0         | 9.000           | L1   | ON     | 9.6        |
| 17.194350       | ---              | 18.46          | 50.00        | 31.54       | 15000.0         | 9.000           | N    | ON     | 10.0       |
| 17.194350       | 35.57            | ---            | 60.00        | 24.43       | 15000.0         | 9.000           | N    | ON     | 10.0       |

Note: L1 and N line is all have been tested, the result of them is synthesized in the above data diagram.

**Annex B: Revised History**

| Version | Revised Content |
|---------|-----------------|
| V0      | Initial         |

## Annex C: Accreditation Certificate

