



# TESTREPORT

Applicant Name : Advanced Card Systems Limited  
Address : Units 4108 - 4110, 41st Floor, Manhattan Place, 23 Wang Tai Road,  
Kowloon Bay, Hong Kong  
Report Number: SZNS220809-36126E-RF-00C  
FCC ID: V5MACR350

## Test Standard (s)

FCC PART 15.225

## Sample Description

Product Type: Bus Validator  
Model No.: ACR350  
Multiple Model(s) No.: N/A  
Trade Mark:   
Date Received: 2022/08/09  
Report Date: 2022/10/13

|              |       |
|--------------|-------|
| Test Result: | Pass* |
|--------------|-------|

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

**Prepared and Checked By:**

*Roger Ling*

Roger Ling  
EMC Engineer

**Approved By:**

*Candy Li*

Candy Li  
EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★".

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## **TABLE OF CONTENTS**

|                                                                         |           |
|-------------------------------------------------------------------------|-----------|
| <b>GENERAL INFORMATION .....</b>                                        | <b>3</b>  |
| PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) .....                | 3         |
| OBJECTIVE .....                                                         | 3         |
| TEST METHODOLOGY .....                                                  | 3         |
| MEASUREMENT UNCERTAINTY .....                                           | 4         |
| <b>SYSTEM TEST CONFIGURATION .....</b>                                  | <b>5</b>  |
| JUSTIFICATION .....                                                     | 5         |
| EUT EXERCISE SOFTWARE .....                                             | 5         |
| EQUIPMENT MODIFICATIONS .....                                           | 5         |
| SUPPORT EQUIPMENT LIST AND DETAILS .....                                | 5         |
| EXTERNAL I/O CABLE .....                                                | 5         |
| BLOCK DIAGRAM OF TEST SETUP .....                                       | 6         |
| <b>SUMMARY OF TEST RESULTS .....</b>                                    | <b>7</b>  |
| <b>TEST EQUIPMENT LIST .....</b>                                        | <b>8</b>  |
| <b>FCC§15.203 - ANTENNA REQUIREMENT .....</b>                           | <b>9</b>  |
| APPLICABLE STANDARD .....                                               | 9         |
| ANTENNA CONNECTED CONSTRUCTION .....                                    | 9         |
| <b>FCC§15.225, §15.205&amp; §15.209 - RADIATED EMISSIONS TEST .....</b> | <b>10</b> |
| APPLICABLE STANDARD .....                                               | 10        |
| EUT SETUP .....                                                         | 10        |
| EMI TEST RECEIVER SETUP .....                                           | 11        |
| CORRECTED AMPLITUDE & MARGIN CALCULATION .....                          | 11        |
| TEST DATA .....                                                         | 11        |
| <b>FCC§15.225(E) - FREQUENCY STABILITY .....</b>                        | <b>23</b> |
| APPLICABLE STANDARD .....                                               | 23        |
| TEST PROCEDURE .....                                                    | 23        |
| TEST DATA .....                                                         | 23        |
| <b>FCC§15.215(C) -20DBEMISSION BANDWIDTH .....</b>                      | <b>24</b> |
| REQUIREMENT .....                                                       | 24        |
| TEST PROCEDURE .....                                                    | 24        |
| TEST DATA .....                                                         | 24        |

## GENERAL INFORMATION

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

|                      |                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range      | 13.56 MHz                                                                                                                                           |
| E-field Strength     | 82.04dBuV/m@3m                                                                                                                                      |
| Modulation Technique | ASK                                                                                                                                                 |
| Voltage Range        | DC 9V-36V                                                                                                                                           |
| Sample serial number | SZNS220809-36126E-RF-S1 (Assigned by ATC)                                                                                                           |
| Sample/EUT Status    | Good condition                                                                                                                                      |
| Extreme condition*   | L.V.: Low Voltage 9V <sub>DC</sub><br>N.V.: Normal Voltage 24V <sub>DC</sub><br>H.V.: High Voltage 36V <sub>DC</sub><br>(provided by the applicant) |

### Objective

This Type approval report is in accordance with Part 2- Subpart J, and Part 15-Subparts A and C of the Federal Communication Commissions rules.

The objective is to determine the compliance of the EUT with FCC rules, section 15.203, 15.205, 15.209 and 15.225.

### Test Methodology

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

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

## Measurement Uncertainty

| Parameter                          |                | Uncertainty            |
|------------------------------------|----------------|------------------------|
| Occupied Channel Bandwidth         |                | 5%                     |
| RF Frequency                       |                | $0.082 \times 10^{-7}$ |
| RF output power, conducted         |                | 0.73dB                 |
| Unwanted Emission, conducted       |                | 1.6dB                  |
| AC Power Lines Conducted Emissions |                | 2.72dB                 |
| Emissions,<br>Radiated             | 9kHz - 30MHz   | 2.66dB                 |
|                                    | 30MHz - 1GHz   | 4.28dB                 |
|                                    | 1GHz - 18GHz   | 4.98dB                 |
|                                    | 18GHz -26.5GHz | 5.06dB                 |
|                                    | 26.5GHz -40GHz | 4.72dB                 |
| Temperature                        |                | 1℃                     |
| Humidity                           |                | 6%                     |
| Supply voltages                    |                | 0.4%                   |

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

## Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 429 7.01.

Listed by Innovation, Science and Economic Development Canada (ISED), the Registration Number is 5077A.

## SYSTEM TEST CONFIGURATION

### Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

### EUT Exercise Software

No Exercise Software was used.

### Equipment Modifications

No modification on the EUT.

### Support Equipment List and Details

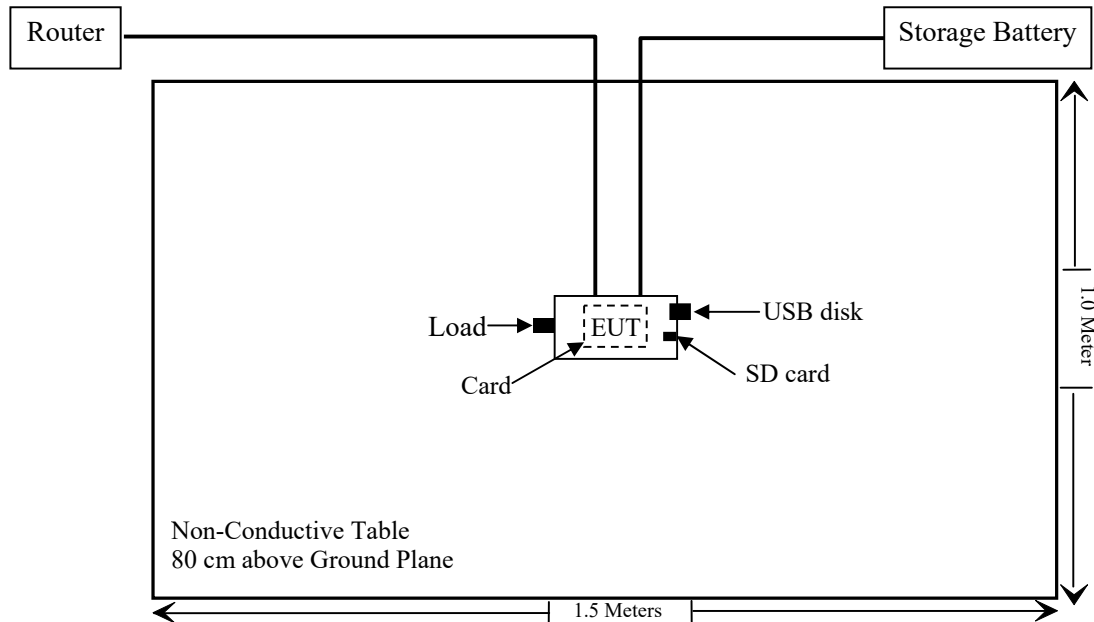
| Manufacturer | Description     | Model              | Serial Number |
|--------------|-----------------|--------------------|---------------|
| Unknown      | Card            | Unknown            | Unknown       |
| Unknown      | Storage Battery | Unknown            | Unknown       |
| HIKVISION    | Router          | DS-3WR03-E         | 10021642429   |
| SanDisk      | USB disk        | SDCZ73-016G-Z35    | 2145493       |
| SanDisk      | SD card         | SDSQUNC-016G-ZN6MA | 0421XX7747P4  |
| Unknown      | Load            | 50ohm              | Unknown       |

### External I/O Cable

| Cable Description                  | Length (m) | From Port | To              |
|------------------------------------|------------|-----------|-----------------|
| Un-shielding Detachable DC Cable   | 1.0        | EUT       | Storage Battery |
| Un-shielding Detachable RJ45 Cable | 5.0        | EUT       | Router          |

## Block Diagram of Test Setup

For Radiated Emission:



## SUMMARY OF TEST RESULTS

| FCC Rules                 | Description of Test        | Result         |
|---------------------------|----------------------------|----------------|
| §15.203                   | Antenna Requirement        | Compliant      |
| §15.207                   | AC Line Conducted Emission | Not Applicable |
| §15.225<br>§15.209§15.205 | Radiated Emission Test     | Compliant      |
| §15.225(e)                | Frequency Stability        | Compliant      |
| §15.215(c)                | 20dB Emission Bandwidth    | Compliant      |

Not Applicable: EUT is power by battery and used on vehicle.

**TEST EQUIPMENT LIST**

| Manufacturer                                    | Description            | Model    | Serial Number | Calibration Date | Calibration Due Date |
|-------------------------------------------------|------------------------|----------|---------------|------------------|----------------------|
| Radiated Emission Test                          |                        |          |               |                  |                      |
| Rohde& Schwarz                                  | Test Receiver          | ESR      | 102725        | 2021/12/13       | 2022/12/12           |
| SONOMA INSTRUMENT                               | Amplifier              | 310 N    | 186131        | 2021/11/09       | 2022/11/08           |
| SCHWARZBECK                                     | LOOP ANTENNA           | FMZB1516 | 1516131       | 2021/12/22       | 2024/12/21           |
| Schwarzbeck                                     | Bilog Antenna          | VULB9163 | 9163-323      | 2021/07/06       | 2024/07/05           |
| Radiated Emission Test Software: e3 19821b (V9) |                        |          |               |                  |                      |
| Unknown                                         | RF Coaxial Cable       | No.12    | N040          | 2021/12/14       | 2022/12/13           |
| Unknown                                         | RF Coaxial Cable       | No.13    | N300          | 2021/12/14       | 2022/12/13           |
| Unknown                                         | RF Coaxial Cable       | No.14    | N800          | 2021/12/14       | 2022/12/13           |
| Frequency Stability                             |                        |          |               |                  |                      |
| Rohde& Schwarz                                  | Test Receiver          | ESR      | 102725        | 2021/12/13       | 2022/12/12           |
| SCHWARZBECK                                     | LOOP ANTENNA           | FMZB1516 | 1516131       | 2020/01/05       | 2023/01/04           |
| Gongwen                                         | Temp. & Humid. Chamber | HSD-500  | 109           | 2021/10/14       | 2022/10/13           |
| Fluke                                           | Multi Meter            | 45       | 7664009       | 2021/12/14       | 2022/12/13           |
| Manson                                          | DC Power Source        | KPS-6604 | ATCS-205      | NCR              | NCR                  |

\* **Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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

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### **Applicable Standard**

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.

### **Antenna Connected Construction**

The EUT has one internal antenna arrangement for NFC which was permanently attached; fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant.

## FCC§15.225, §15.205& §15.209 - RADIATED EMISSIONS TEST

### Applicable Standard

As per FCC Part 15.225

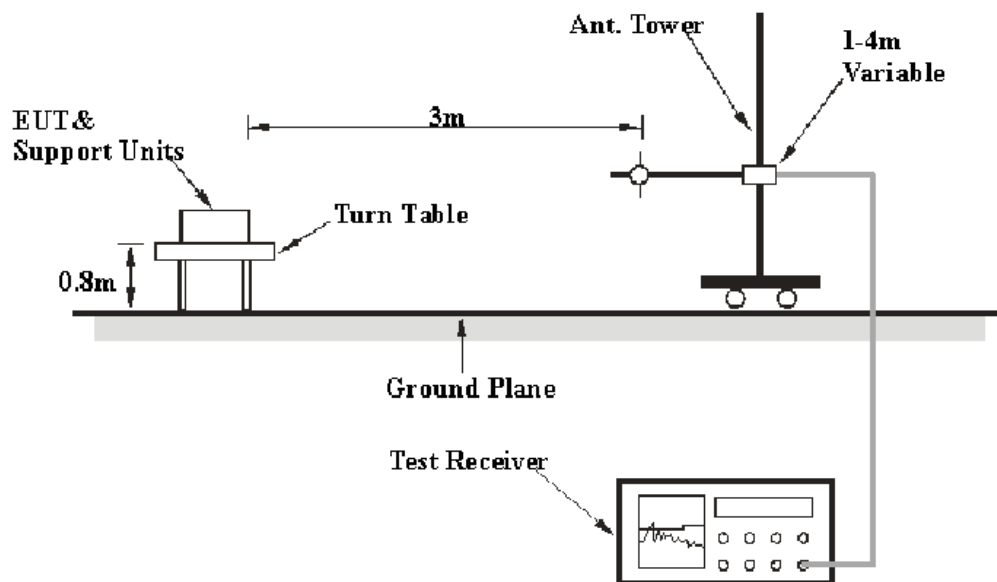
(a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

(b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

(c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

(d) The field strength of any emissions appearing outside of the 13.110–14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

### EUT Setup



Note: Antenna is set up at 1m during test for below 30MHz.

The radiated emission tests were performed in the 3-meter chamber a test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part Subpart C limits.

## EMI Test Receiver Setup

According to FCC Rules, 47 CFR 15.33, the EUT emissions were investigated up to 1000 MHz.

During the radiated emission test, the EMI test Receiver was set with the following configurations:

| Frequency Range  | RBW     | Video B/W | IF B/W | Detector |
|------------------|---------|-----------|--------|----------|
| 9 kHz – 150 kHz  | 300 Hz  | 1kHz      | /      | QP       |
| 150 kHz –30MHz   | 10 kHz  | 30 kHz    | /      | QP       |
| 30MHz – 1000 MHz | 100 kHz | 300 kHz   | /      | QP       |

## Corrected Amplitude & Margin Calculation

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

Corrected Factor = Antenna Factor + Cable Loss- Amplifier Gain

Corrected Amplitude= Meter Reading + Corrected Factor

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

Over Limit / Margin = Level / Result – Limit

Level / Result = Reading level + Factor

## Test Data

### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 24~25°C   |
| Relative Humidity: | 60 %      |
| ATM Pressure:      | 101.0 kPa |

*The testing was performed by Level Li on 2022-09-22 for below 1GHz, and on 2022-09-26 for above 1GHz*

*Test mode: Transmitting(Pre-scan in the X,Y and Z axes of orientation, the worst case X-axes of orientation was recorded)*

*Note: when the result of Peak below the limit of QP more than 6dB, just the peak value was record.*

## 1) Spurious Emissions (9 kHz~30 MHz):

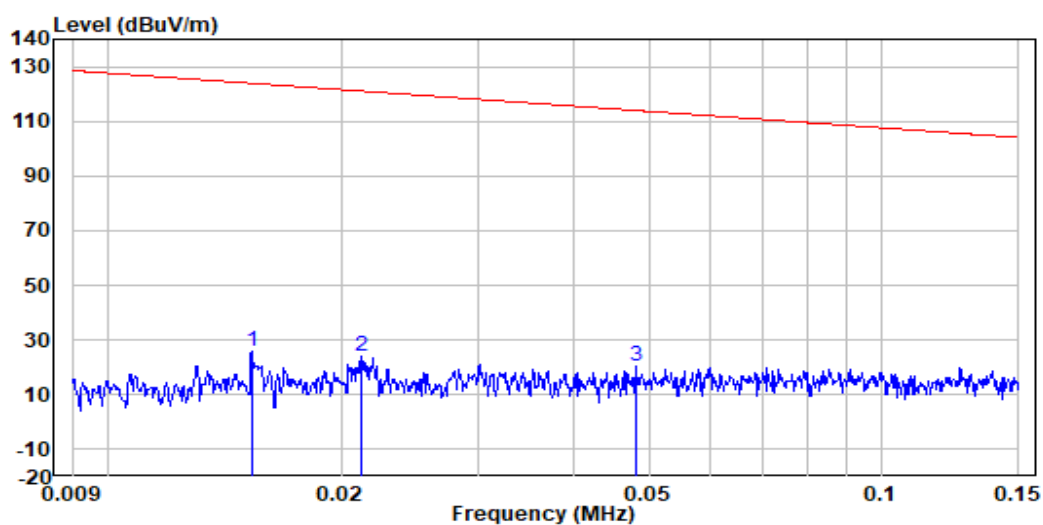
Part 15 Section 15.31(f)(2) (9kHz-30MHz)

Limit @ 3m=Limit @ 300m-40\*log(3(m)/300(m))

Limit @ 3m=Limit @ 30m-40\*log(3(m)/30(m))

Ground-Parallel:

9 kHz~150 kHz



Site : chamber

Condition: 3m

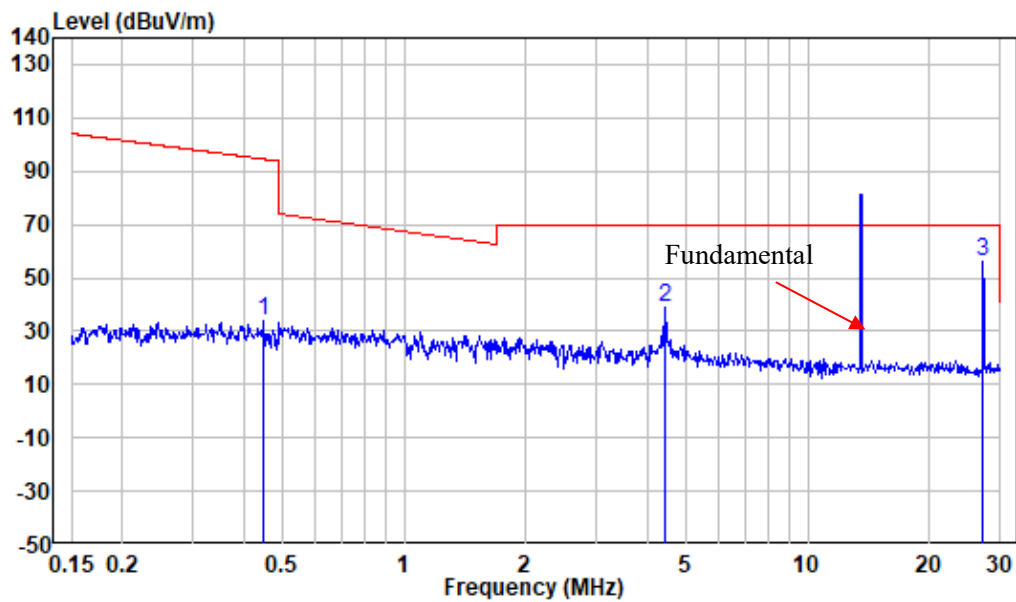
Job No. : SZNS220809-36126E-RF

Test Mode: NFC

Note : Ground-parallel

|   | Freq  | Factor | Read<br>Level | Limit<br>Level | Limit<br>Line | Over<br>Limit | Remark |
|---|-------|--------|---------------|----------------|---------------|---------------|--------|
|   | MHz   | dB/m   | dBuV          | dBuV/m         | dBuV/m        | dB            |        |
| 1 | 0.015 | -11.53 | 37.38         | 25.85          | 123.88        | -98.03        | Peak   |
| 2 | 0.021 | -11.69 | 35.96         | 24.27          | 121.04        | -96.77        | Peak   |
| 3 | 0.048 | -11.54 | 32.05         | 20.51          | 113.98        | -93.47        | Peak   |

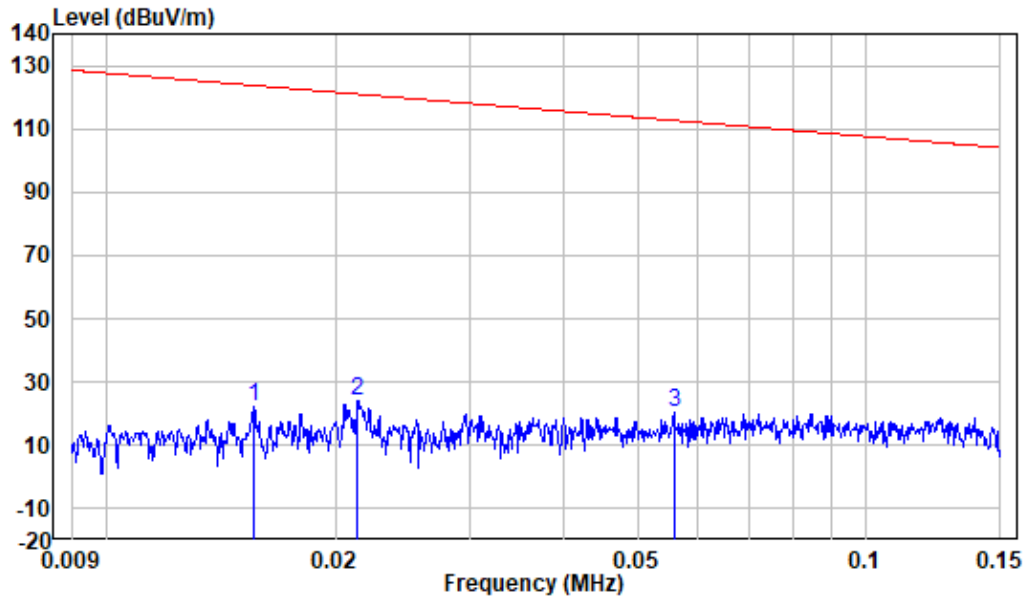
150 kHz~30 MHz



Site : chamber  
Condition: 3m  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC  
Note : Ground-parallel

|   | Freq   | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|--------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz    | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 0.449  | -11.64 | 45.71         | 34.07  | 94.56         | -60.49        | Peak   |
| 2 | 4.430  | -11.69 | 50.60         | 38.91  | 69.54         | -30.63        | Peak   |
| 3 | 27.127 | -9.97  | 66.41         | 56.44  | 69.54         | -13.10        | Peak   |

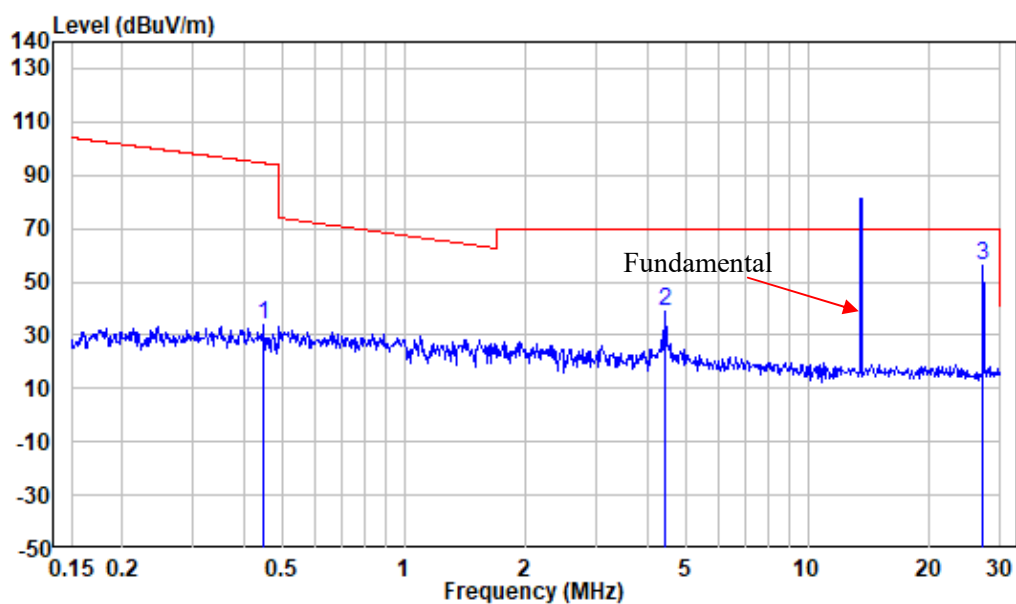
Perpendicular  
9 kHz~150 kHz



Site : chamber  
Condition: 3m  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC  
Note : Perpendicular

|   | Freq  | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|-------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz   | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 0.016 | -11.54 | 33.90         | 22.36  | 123.71        | -101.35       | Peak   |
| 2 | 0.021 | -11.69 | 36.06         | 24.37  | 120.99        | -96.62        | Peak   |
| 3 | 0.056 | -11.54 | 31.85         | 20.31  | 112.66        | -92.35        | Peak   |

150 kHz~30 MHz



Site : chamber

Condition: 3m

Job No. : SZNS220809-36126E-RF

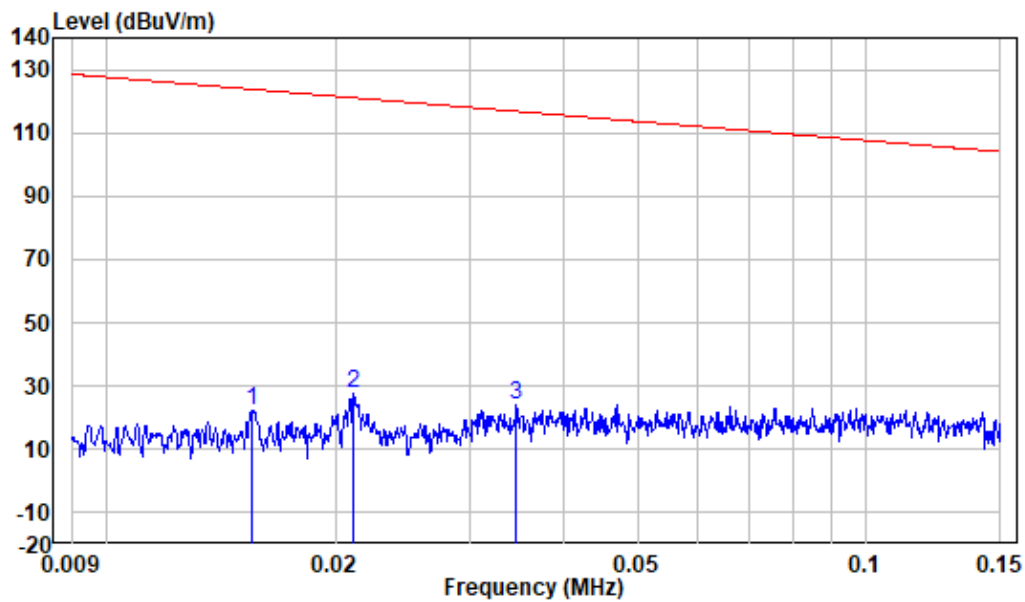
Test Mode: NFC

Note : Ground-parallel

|   | Freq   | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|--------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz    | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 0.449  | -11.64 | 45.71         | 34.07  | 94.56         | -60.49        | Peak   |
| 2 | 4.430  | -11.69 | 50.60         | 38.91  | 69.54         | -30.63        | Peak   |
| 3 | 27.127 | -9.97  | 66.41         | 56.44  | 69.54         | -13.10        | Peak   |

Parallel

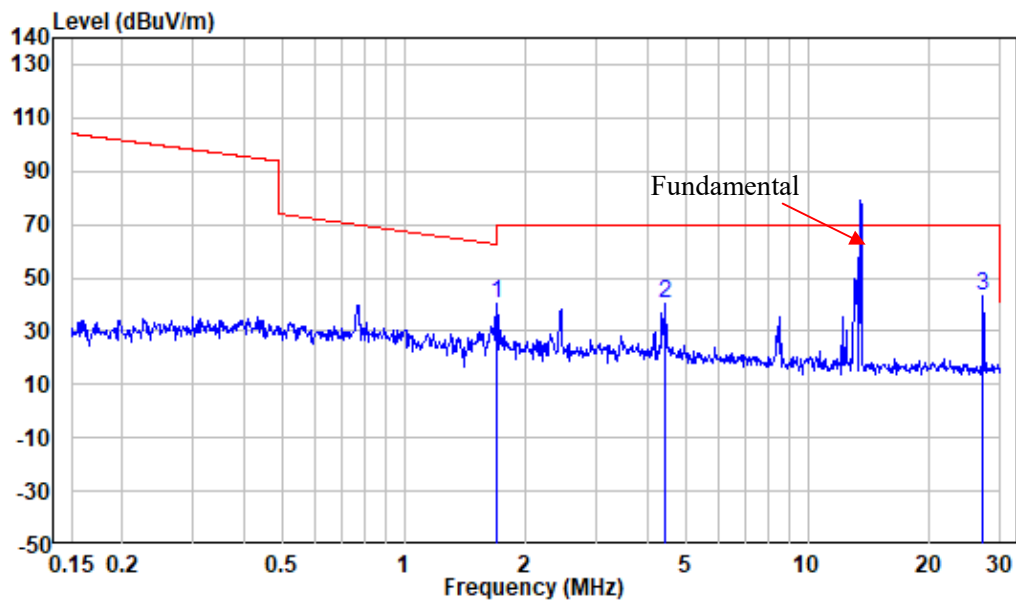
9 kHz~150 kHz



Site : chamber  
Condition: 3m  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC  
Note : Parallel

|   | Freq  | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|-------|--------|------------|--------|------------|------------|--------|
|   | MHz   | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 0.016 | -11.54 | 34.02      | 22.48  | 123.75     | -101.27    | Peak   |
| 2 | 0.021 | -11.69 | 39.53      | 27.84  | 121.09     | -93.25     | Peak   |
| 3 | 0.035 | -11.61 | 35.59      | 23.98  | 116.81     | -92.83     | Peak   |

150 kHz~30 MHz

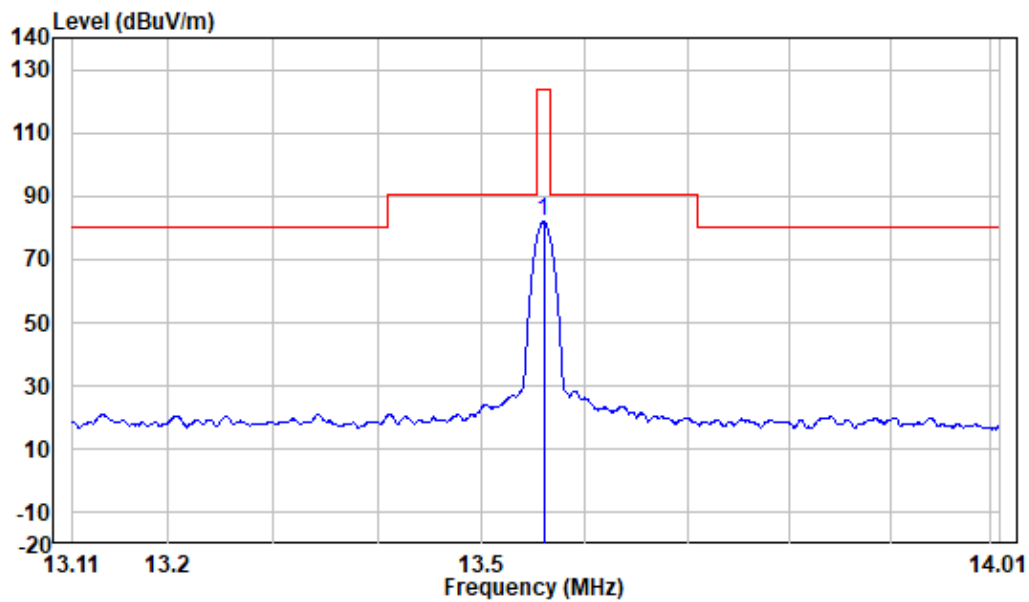


Site : chamber  
Condition: 3m  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC  
Note : Parallel

|   | Freq   | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|--------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz    | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 1.698  | -11.41 | 51.53         | 40.12  | 62.78         | -22.66        | Peak   |
| 2 | 4.430  | -11.69 | 52.26         | 40.57  | 69.54         | -28.97        | Peak   |
| 3 | 27.127 | -9.97  | 53.47         | 43.50  | 69.54         | -26.04        | Peak   |

## 2) Emission Mask &amp; Fundamental:

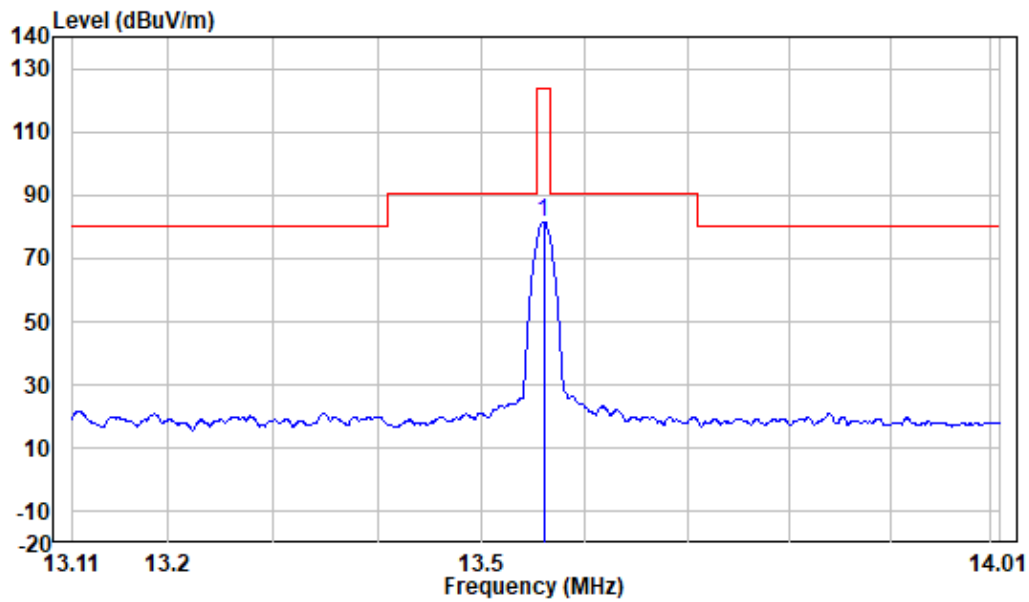
Ground-parallel



Site : chamber  
Condition: 3m  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC  
Note : Ground-parallel

|   | Freq   | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|--------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz    | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 13.560 | -10.92 | 92.96         | 82.04  | 124.00        | -41.96        | Peak   |

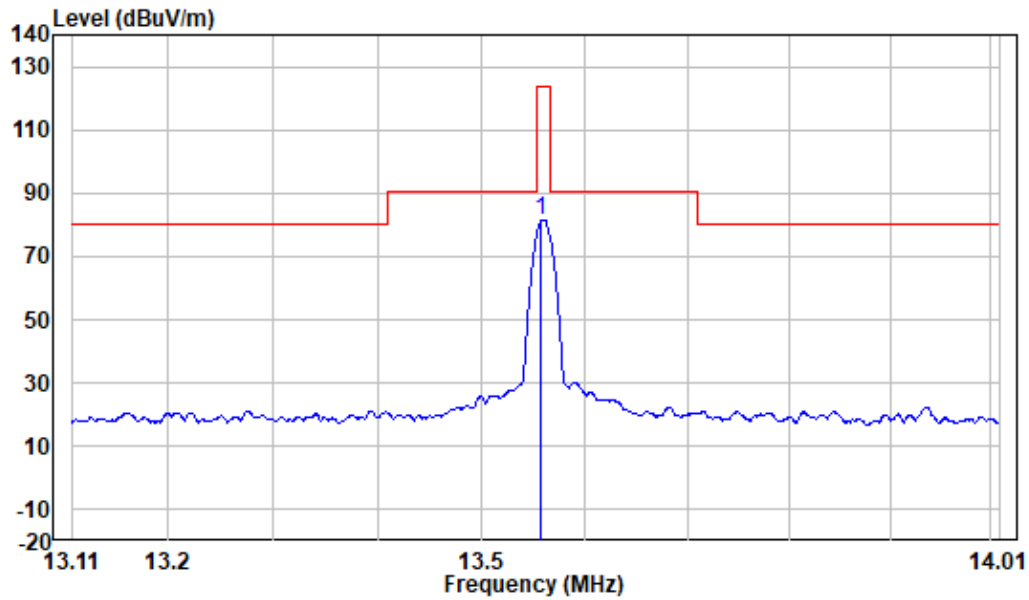
Perpendicular:



Site : chamber  
Condition: 3m  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC  
Note : Perpendicular

|   | Freq Factor |        | Read  | Limit  | Over   | Remark      |
|---|-------------|--------|-------|--------|--------|-------------|
|   | MHz         | dB/m   | Level | Line   | Limit  |             |
|   | MHz         | dB/m   | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 13.560      | -10.92 | 92.64 | 81.72  | 124.00 | -42.28 Peak |

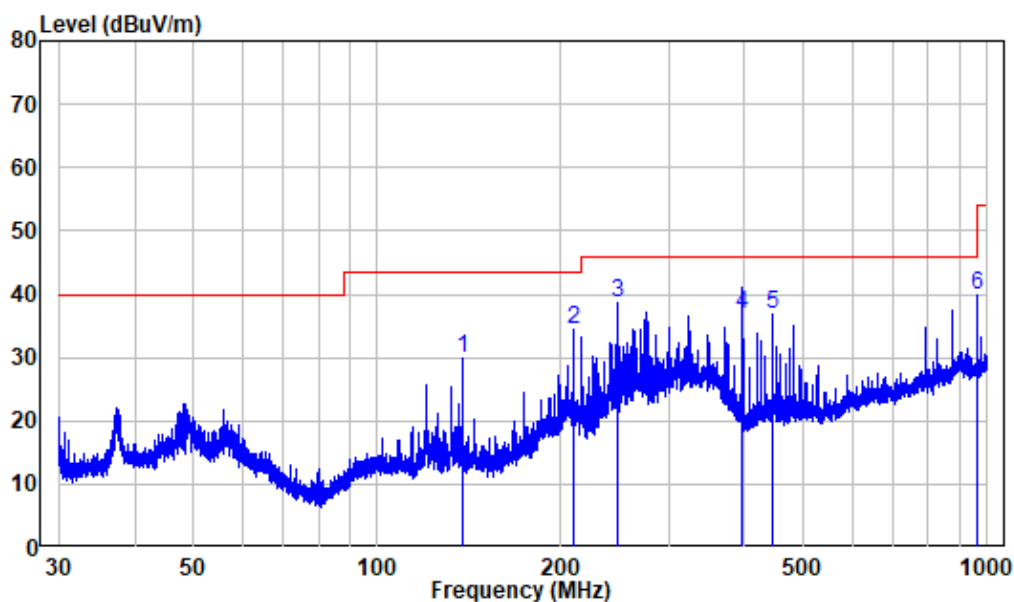
Parallel:



Site : chamber  
Condition: 3m  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC  
Note : Parallel

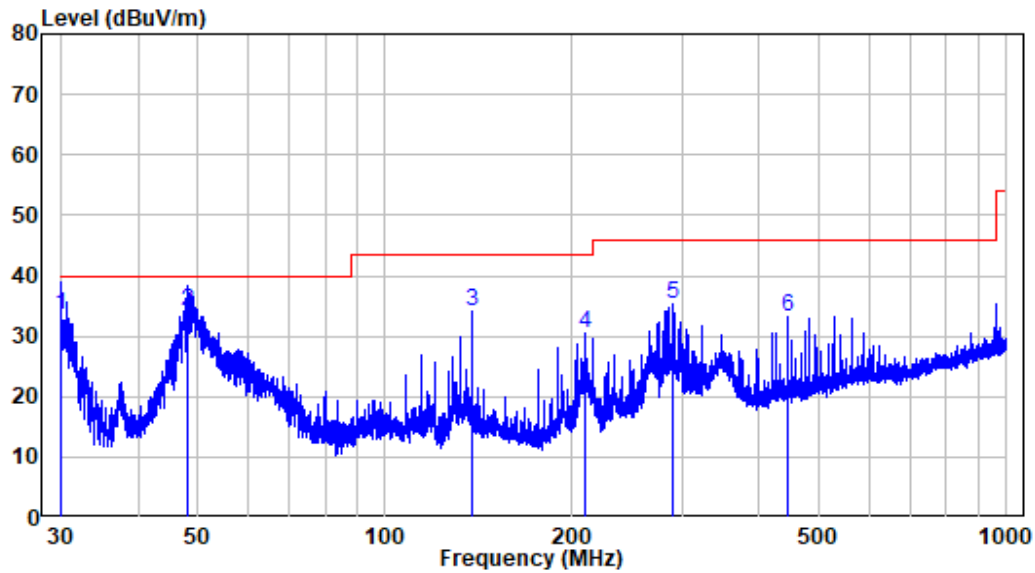
|   | Freq   | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|--------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz    | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 13.557 | -10.92 | 92.63         | 81.71  | 124.00        | -42.29        | Peak   |

## 3) Spurious Emissions (30 MHz~1GHz):

**Horizontal:**

Site : chamber  
Condition: 3m Horizontal  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC

|   | Freq    | Factor | Read Level | Level  | Limit  | Over Limit | Remark |
|---|---------|--------|------------|--------|--------|------------|--------|
|   | MHz     | dB/m   | dBuV       | dBuV/m | dBuV/m | dB         |        |
| 1 | 138.024 | -15.35 | 45.10      | 29.75  | 43.50  | -13.75     | Peak   |
| 2 | 210.140 | -11.85 | 46.15      | 34.30  | 43.50  | -9.20      | Peak   |
| 3 | 247.465 | -10.66 | 49.44      | 38.78  | 46.00  | -7.22      | Peak   |
| 4 | 396.068 | -6.79  | 43.50      | 36.71  | 46.00  | -9.29      | QP     |
| 5 | 445.632 | -5.63  | 42.41      | 36.78  | 46.00  | -9.22      | Peak   |
| 6 | 960.056 | 2.36   | 37.58      | 39.94  | 54.00  | -14.06     | Peak   |

**Vertical:**

Site : chamber  
Condition: 3m VERTICAL  
Job No. : SZNS220809-36126E-RF  
Test Mode: NFC

|   | Freq    | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|---------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz     | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 30.053  | -12.39 | 45.90         | 33.51  | 40.00         | -6.49         | QP     |
| 2 | 47.973  | -10.00 | 44.10         | 34.10  | 40.00         | -5.90         | QP     |
| 3 | 138.084 | -15.35 | 49.47         | 34.12  | 43.50         | -9.38         | Peak   |
| 4 | 209.588 | -11.86 | 42.22         | 30.36  | 43.50         | -13.14        | Peak   |
| 5 | 291.291 | -9.29  | 44.51         | 35.22  | 46.00         | -10.78        | Peak   |
| 6 | 445.632 | -5.63  | 38.84         | 33.21  | 46.00         | -12.79        | Peak   |

## FCC§15.225(e) - FREQUENCY STABILITY

### Applicable Standard

The frequency tolerance of the carrier signal shall be maintained within  $\pm 0.01\%$  of the operating frequency over a temperature variation of  $-20$  degrees to  $+50$  degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

### Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to a DC power source, and inductive antenna of the equipment was connected to a Spectrum Analyzer. The EUT was placed inside the temperature chamber.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the Spectrum Analyzer.

Frequency Stability vs. Voltage: An external variable AC power supply Source. The voltage was set to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the end point. The output frequency was recorded for each voltage.

### Test Data

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 25.3 °C   |
| Relative Humidity: | 56%       |
| ATM Pressure:      | 101.0 kPa |

*The testing was performed by Zeki Ma on 2022-10-13.*

*Test Mode: Transmitting*

Test Result: Pass

| Voltage Supply (V <sub>DC</sub> ) | Temperature (°C) | Measured Frequency (MHz) | Frequency Error (%) | Part 15.225 Limit (%) |
|-----------------------------------|------------------|--------------------------|---------------------|-----------------------|
| N.V.                              | -20              | 13.559646                | -0.00261            | $\pm 0.01$            |
|                                   | -10              | 13.559714                | -0.00211            | $\pm 0.01$            |
|                                   | 0                | 13.559687                | -0.00231            | $\pm 0.01$            |
|                                   | 10               | 13.559704                | -0.00218            | $\pm 0.01$            |
|                                   | 20               | 13.559712                | -0.00212            | $\pm 0.01$            |
|                                   | 30               | 13.559710                | -0.00214            | $\pm 0.01$            |
|                                   | 40               | 13.559701                | -0.00221            | $\pm 0.01$            |
|                                   | 50               | 13.559691                | -0.00228            | $\pm 0.01$            |
| L.V.                              | 20               | 13.559688                | -0.00230            | $\pm 0.01$            |
| H.V.                              | 20               | 13.559711                | -0.00213            | $\pm 0.01$            |

Note: the extreme voltage was declared by the applicant.

## FCC§15.215(c) -20dBEMISSION BANDWIDTH

### Requirement

Per 15.215 (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

### Test Procedure

Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.

### Test Data

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 25.3 °C   |
| Relative Humidity: | 56%       |
| ATM Pressure:      | 101.0 kPa |

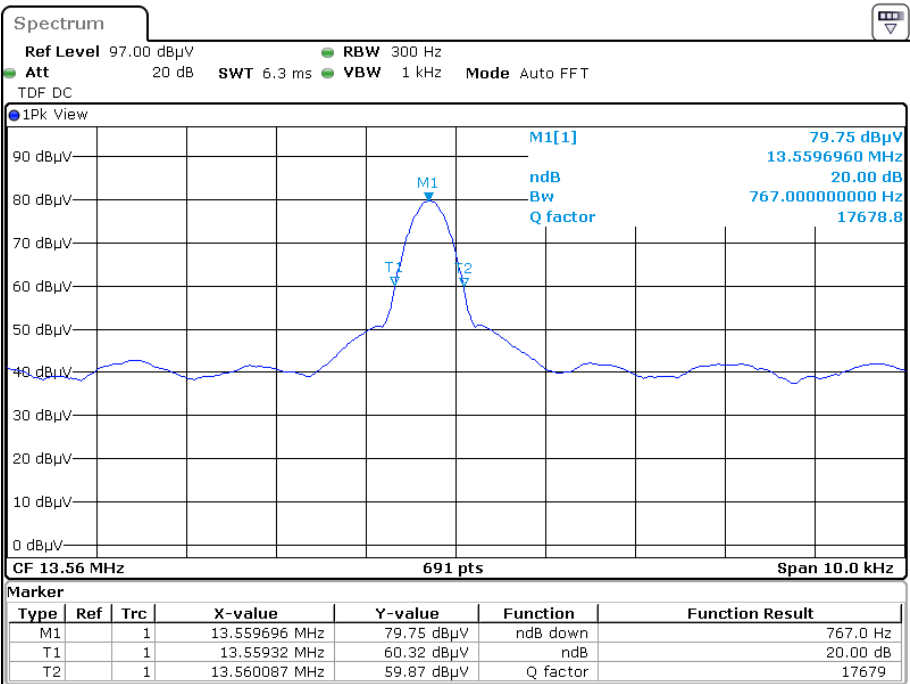
*The testing was performed by Zeki Ma on 2022-10-13.*

*Test Mode: Transmitting*

*Test Result: Pass*

| Test Frequency<br>(MHz) | 20dB Bandwidth<br>(kHz) |
|-------------------------|-------------------------|
| 13.56                   | 0.767                   |

20 dB Emission Bandwidth



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\*\*\*\*\* END OF REPORT \*\*\*\*\*