



# **FCC TEST REPORT**

**FCC ID: 2AJFC-16200A**

On Behalf of

**Light Speed Vision (Beijing) Co.,Ltd.**

**Camera**

**Model No.: QHY16200A, QHY90A, QHY695A, QHY16803**

Prepared for : Light Speed Vision (Beijing) Co.,Ltd.  
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Report Number : T1861031 02  
Date of Receipt : June 13, 2016  
Date of Test : June 13-July 19, 2016  
Date of Report : July 19, 2016  
Version Number : REV0

## TABLE OF CONTENTS

| Description                                                           | Page      |
|-----------------------------------------------------------------------|-----------|
| <b>1. Summary of standards and results .....</b>                      | <b>4</b>  |
| 1.1. Description of Standards and Results .....                       | 4         |
| <b>2. GENERAL INFORMATION .....</b>                                   | <b>5</b>  |
| 2.1. Description of Device (EUT).....                                 | 5         |
| 2.2. Tested Supporting System Details .....                           | 6         |
| 2.3. Block Diagram of connection between EUT and simulators .....     | 6         |
| 2.4. Test mode Description .....                                      | 7         |
| 2.5. Test Facility .....                                              | 7         |
| 2.6. Measurement Uncertainty .....                                    | 7         |
| <b>3. POWER LINE CONDUCTED Emission test.....</b>                     | <b>8</b>  |
| 3.1. Test Equipment .....                                             | 8         |
| 3.2. Block Diagram of Test Setup.....                                 | 8         |
| 3.3. Power Line Conducted Emission Test Limits .....                  | 8         |
| 3.4. Configuration of EUT on Test .....                               | 9         |
| 3.5. Operating Condition of EUT .....                                 | 9         |
| 3.6. Test Procedure .....                                             | 9         |
| 3.7. Conducted Disturbance at Mains Terminals Test Results .....      | 10        |
| <b>4. Radiated emission Test .....</b>                                | <b>13</b> |
| 4.1. Test Equipment .....                                             | 13        |
| 4.2. Block Diagram of Test Setup.....                                 | 13        |
| 4.3. Radiated Emission Limit .....                                    | 14        |
| 4.4. Configuration of EUT on Test .....                               | 15        |
| 4.5. Operating Condition of EUT .....                                 | 15        |
| 4.6. Test Procedure .....                                             | 15        |
| 4.7. Radiated Disturbance Test Results .....                          | 16        |
| <b>5. Photograph.....</b>                                             | <b>21</b> |
| 5.1. Photos of Radiated Emission Test (In Semi Anechoic Chamber)..... | 21        |
| 5.2. Photos of Power Line Conducted Emission Test .....               | 22        |
| <b>6. Photos of the EUT .....</b>                                     | <b>23</b> |



## 1. SUMMARY OF STANDARDS AND RESULTS

### 1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

| EMISSION                                                                                                                      |                                     |         |          |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------|----------|
| Description of Test Item                                                                                                      | Standard                            | Limits  | Results  |
| Power Line Conducted Emission Test                                                                                            | FCC Part 15:2016<br>ANSI C63.4:2014 | Class B | <b>P</b> |
| Radiated Emission Test                                                                                                        | FCC Part 15:2016<br>ANSI C63.4:2014 | Class B | <b>P</b> |
| Note: 1. P is an abbreviation for Pass.<br>2. F is an abbreviation for Fail.<br>3. N/A is an abbreviation for Not Applicable. |                                     |         |          |

## 2. GENERAL INFORMATION

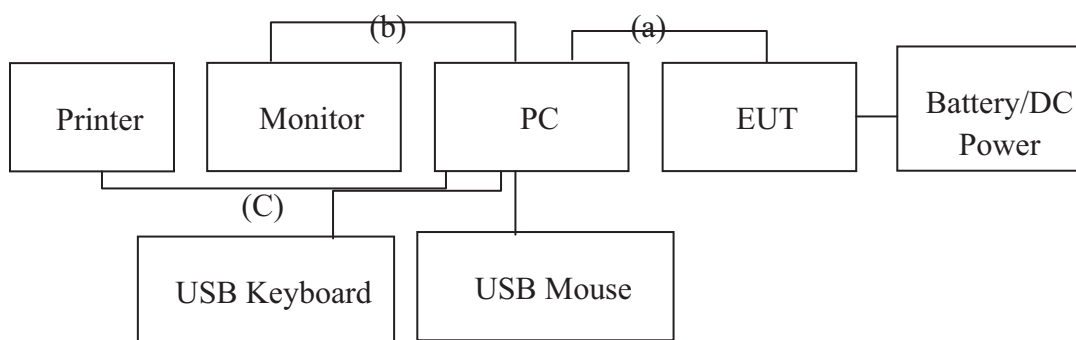
### 2.1. Description of Device (EUT)

|                   |                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Description       | : Camera                                                                                                                                  |
| Model Number      | : QHY16200A, QHY90A, QHY695A, QHY16803                                                                                                    |
| Diff              | : There is no difference between all the models, except the appearance color and model name, so this report performs the model QHY16200A. |
| Test Voltage      | : DC 12V from battery                                                                                                                     |
| AC Adapter        | :  <b>QHYCCD</b>                                         |
| Highest frequency | : 369MHz                                                                                                                                  |
| Software version  | : EACAP_QT_V134                                                                                                                           |
| Hardware version  | : QHY16200_V4_2015. 11.10                                                                                                                 |
| Trademark         | : N/A                                                                                                                                     |
| Applicant         | : Light Speed Vision (Beijing) Co.,Ltd.                                                                                                   |
| Address           | : R&D Plaza, Tsinghua Science Park, Shuangqing Road, Haidian District, Beijing, China                                                     |
| Manufacturer      | : Light Speed Vision (Beijing) Co.,Ltd.                                                                                                   |
| Address           | : R&D Plaza, Tsinghua Science Park, Shuangqing Road, Haidian District, Beijing, China                                                     |
| Sample Type       | : Prototype production                                                                                                                    |

## 2.2. Tested Supporting System Details

| No. | Description       | Manufacturer | Model        | Serial Number            | Certification or DOC |
|-----|-------------------|--------------|--------------|--------------------------|----------------------|
| 1   | Personal Computer | DELL         | D11M         | CN-0LV772-C0887-378-H8UR | DOC                  |
| 2   | Monitor           | DELL         | E2014Hf      | CN-011HFV-72872-397-CHEM | DOC                  |
| 3   | USB Keyboard      | ACER         | SK-9625      | KBUSB1580500037E0100     | DOC                  |
| 4   | USB Mouse         | ACER         | MS.11200.014 | M-UAY-ACR2               | DOC                  |
| 5.  | Printer           | HP           | HP1020       | CNCJ410726               | DOC                  |
| 6.  | Battery           | HUIFENG      | 6-DZM-20     | /                        | /                    |
| 7.  | DC Power          | Longwei      | TPR-12010D   | /                        | VOC                  |

## 2.3. Block Diagram of connection between EUT and simulators



| Signal Cable Description of the above Support Units |             |              |        |                                 |                        |
|-----------------------------------------------------|-------------|--------------|--------|---------------------------------|------------------------|
| No.                                                 | Port Name   | Cable        | Length | Shielded (Yes or No)            | Detachable (Yes or No) |
| (a)                                                 | USB Port    | USB Cable    | 150CM  | Yes(Shielding and foil shields) | Yes                    |
| (b)                                                 | VGA Port    | VGA Cable    | 120CM  | Yes(Shielding)                  | Yes                    |
| (C)                                                 | Serial Port | Serial Cable | 150CM  | Yes(Shielding)                  | Yes                    |

**EUT: Camera**

## 2.4. Test mode Description

| No. | Test Mode                          |
|-----|------------------------------------|
| ※1. | Take Photo and communicate with PC |

## 2.5. Test Facility

Shenzhen Alpha Product Testing Co., Ltd.

Building B, East Area of Nanchang Second, Industrial Zone, Gushu 2nd Road,  
Bao'an, Shenzhen, China

March 25, 2015 File on Federal Communication Commission

Registration Number: 203110

July 18, 2014 Certificated by IC

Registration Number: 12135A

## 2.6. Measurement Uncertainty

(95% confidence levels, k=2)

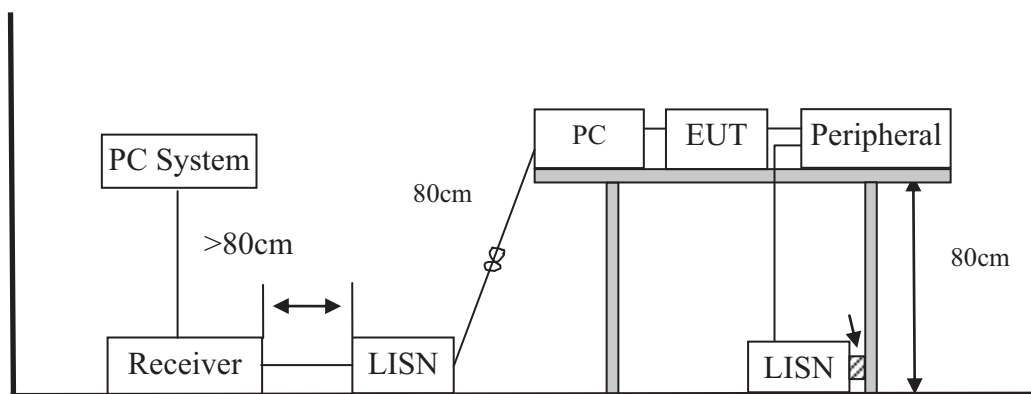
| Test Item                                     | Uncertainty                        |
|-----------------------------------------------|------------------------------------|
| Uncertainty for Conduction emission test      | 2.71dB                             |
| Uncertainty for Radiation Emission test (<1G) | 3.90 dB (Distance: 3m Polarize: V) |
|                                               | 3.92 dB (Distance: 3m Polarize: H) |
| Uncertainty for Radiation Emission test (>1G) | 4.26 dB (Distance: 3m Polarize: V) |
|                                               | 4.28 dB (Distance: 3m Polarize: H) |

### 3. POWER LINE CONDUCTED EMISSION TEST

#### 3.1. Test Equipment

| Item | Equipment     | Manufacturer    | Model No.    | Serial No. | Last Cal.  | Cal. Interval |
|------|---------------|-----------------|--------------|------------|------------|---------------|
| 1.   | Test Receiver | Rohde & Schwarz | ESCI         | 101165     | 2016.01.17 | 1 Year        |
| 2.   | L.I.S.N.#1    | Schwarzbeck     | NSLK8126     | 8126466    | 2016.01.17 | 1 Year        |
| 3.   | L.I.S.N.#2    | ROHDE&SCHWARZ   | ENV216       | 101043     | 2016.01.17 | 1 Year        |
| 4.   | Pulse Limiter | Schwarzbeck     | 9516F        | 9618       | 2016.01.17 | 1 Year        |
| 5    | Cable         | Resenberger     | SUCOFLEX 104 | MY6562/4   | 2016.01.17 | 1 Year        |

#### 3.2. Block Diagram of Test Setup



#### 3.3. Power Line Conducted Emission Test Limits

| Frequency       | Maximum RF Line Voltage          |                               |
|-----------------|----------------------------------|-------------------------------|
|                 | Quasi-Peak Level<br>dB( $\mu$ V) | Average Level<br>dB( $\mu$ V) |
| 150kHz ~ 500kHz | 66 ~ 56*                         | 56 ~ 46*                      |
| 500kHz ~ 5MHz   | 56                               | 46                            |
| 5MHz ~ 30MHz    | 60                               | 50                            |

- Notes:
1. Emission level=Read level + LISN factor-Preamplifier factor + Cable loss
  2. \* Decreasing linearly with logarithm of frequency.
  3. The lower limit shall apply at the transition frequencies.

### 3.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

### 3.5. Operating Condition of EUT

- (1) Setup the EUT as shown as Section 3.2.
- (2) Turn on the power of all equipment.
- (3) Let the EUT work in test mode and 15 minutes before taking the test.

### 3.6. Test Procedure

- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4:2014 on conducted Emission test.
- (2) The frequency range from 150kHz to 30MHz is checked, the bandwidth of test receiver (R&S TEST RECEIVER ESCI) is set at 9kHz.
- (3) The frequency range from 30MHz to 1000MHz was pre-scanned with a Peak detector and all final readings of measurement from Test Receiver are Quasi-Peak and Average values.
- (4) The test results are reported on Section 3.7.

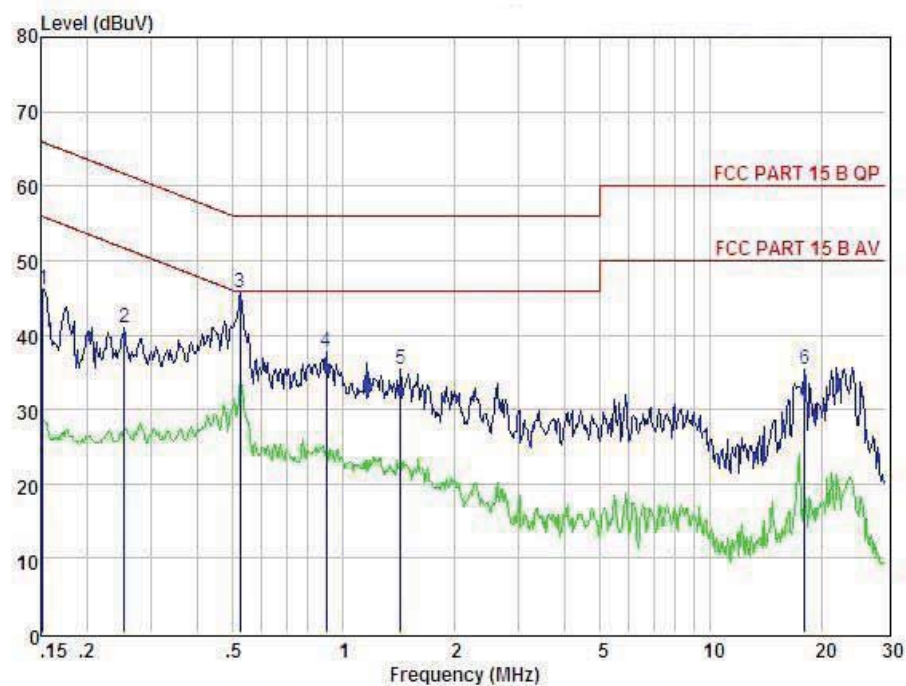
### 3.7. Conducted Disturbance at Mains Terminals Test Results

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| EUT : Camera                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Test Date : 2016.07.06 |
| M/N : QHY16200A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Temperature : 24.1 °C  |
| Test Engineer : Reak Yang                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Humidity : 51%         |
| Test Mode : Take Photo and communicate with PC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |
| Test Results : <b>PASS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |
| <p>Note:</p> <ol style="list-style-type: none"><li>1. The test results are listed in next pages.</li><li>2. This mode is worst case mode, so this report only reflected the worst mode.</li><li>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out.</li><li>4. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.</li></ol> |                        |



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Data: 15



Condition : FCC PART 15 B QP POL: LINE Temp: 24.1 °C Hum: 51 %

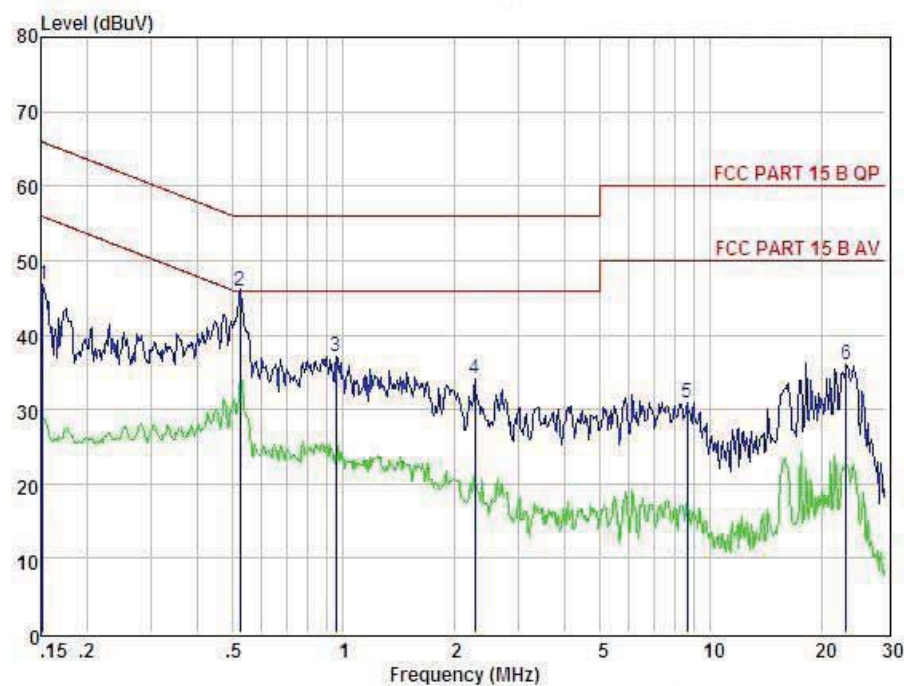
| Item | Freq<br>MHz | Read<br>Level<br>dBuV | LISN<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBuV | Limit<br>dBuV | Margin<br>dBuV | Remark |
|------|-------------|-----------------------|----------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
| 1    | 0.15        | 36.45                 | 0.03                 | -9.52                  | 0.10                | 46.10         | 65.91         | -19.81         | Peak   |
| 2    | 0.25        | 31.34                 | 0.03                 | -9.56                  | 0.10                | 41.03         | 61.64         | -20.61         | Peak   |
| 3    | 0.52        | 35.90                 | 0.03                 | -9.58                  | 0.10                | 45.61         | 56.00         | -10.39         | Peak   |
| 4    | 0.90        | 27.92                 | 0.04                 | -9.62                  | 0.10                | 37.68         | 56.00         | -18.32         | Peak   |
| 5    | 1.43        | 25.53                 | 0.05                 | -9.66                  | 0.10                | 35.34         | 56.00         | -20.66         | Peak   |
| 6    | 18.04       | 24.90                 | 0.29                 | -9.82                  | 0.32                | 35.33         | 60.00         | -24.67         | Peak   |

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



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Data: 13



Condition : FCC PART 15 B QP POL: NEUTRAL Temp: 24.1 °C Hum: 51 %

| Item | Freq<br>MHz | Read<br>Level<br>dBuV | LISN<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBuV | Limit<br>dBuV | Margin<br>dBuV | Remark |
|------|-------------|-----------------------|----------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
| 1    | 0.15        | 37.02                 | 0.03                 | -9.52                  | 0.10                | 46.67         | 65.91         | -19.24         | Peak   |
| 2    | 0.52        | 36.19                 | 0.03                 | -9.58                  | 0.10                | 45.90         | 56.00         | -10.10         | Peak   |
| 3    | 0.95        | 27.41                 | 0.04                 | -9.63                  | 0.10                | 37.18         | 56.00         | -18.82         | Peak   |
| 4    | 2.28        | 24.14                 | 0.06                 | -9.74                  | 0.11                | 34.05         | 56.00         | -21.95         | Peak   |
| 5    | 8.64        | 20.63                 | 0.15                 | -9.95                  | 0.17                | 30.90         | 60.00         | -29.10         | Peak   |
| 6    | 23.39       | 25.36                 | 0.43                 | -9.82                  | 0.44                | 36.05         | 60.00         | -23.95         | Peak   |

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

## 4. RADIATED EMISSION TEST

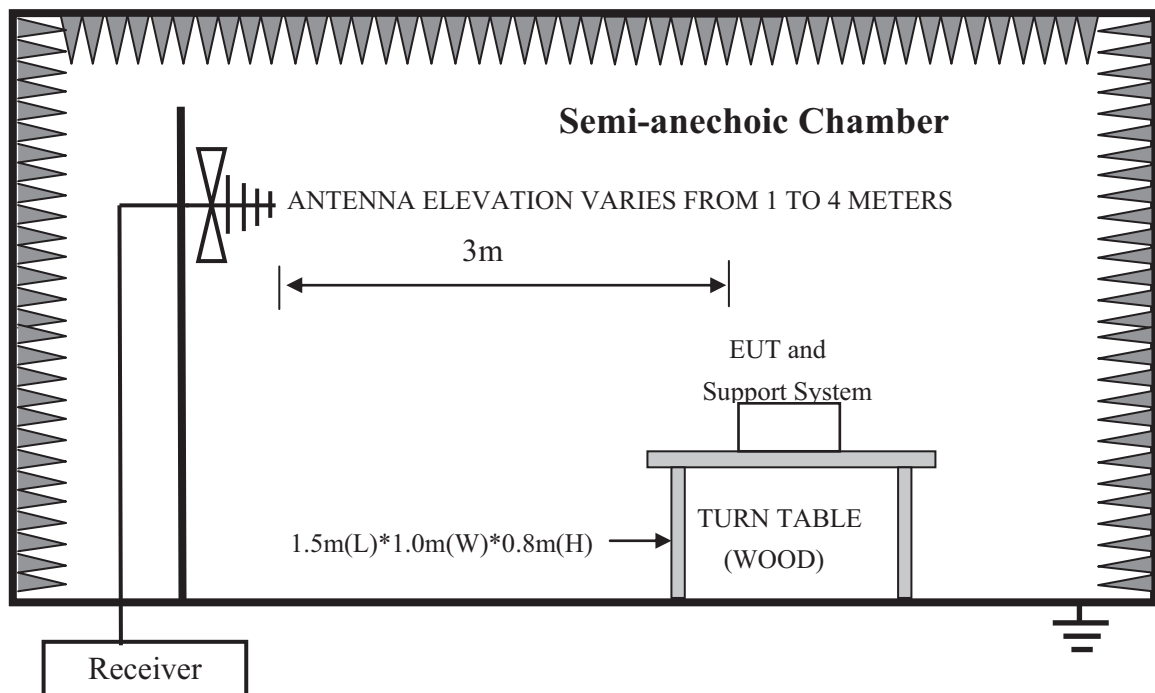
### 4.1. Test Equipment

| For frequency range 30MHz~1GHz (At Semi Anechoic Chamber) |               |               |              |            |            |               |
|-----------------------------------------------------------|---------------|---------------|--------------|------------|------------|---------------|
| Item                                                      | Equipment     | Manufacturer  | Model No.    | Serial No. | Last Cal.  | Cal. Interval |
| 1                                                         | Test Receiver | Rohde&Schwarz | ESCI         | 101165     | 2016.01.17 | 1 Year        |
| 2                                                         | Amplifier     | HP            | HP8347A      | 2834A00455 | 2016.01.19 | 1 Year        |
| 3                                                         | Bilog Antenna | Schwarzbeck   | VULB 9168    | 9168-438   | 2016.01.19 | 2 Year        |
| 4                                                         | Cable         | Resenberger   | SUCOFLEX 104 | 309972/4   | 2016.01.17 | 1 Year        |

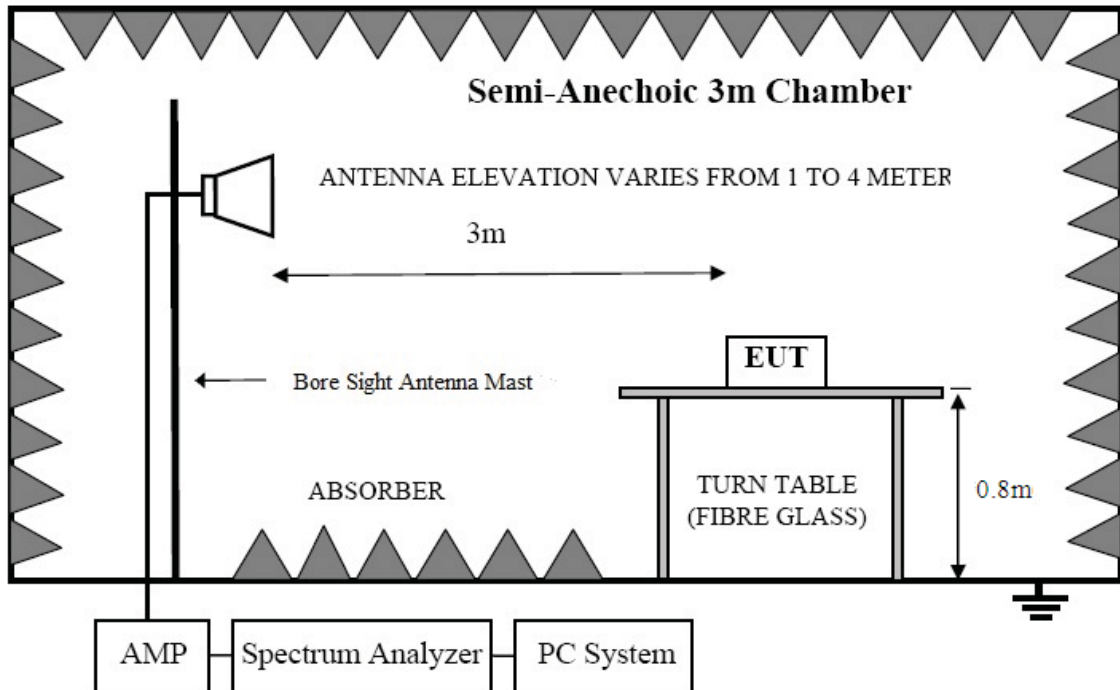
| For frequency range above 1GHz (At Semi Anechoic Chamber (3m)) |                   |              |              |                   |            |               |
|----------------------------------------------------------------|-------------------|--------------|--------------|-------------------|------------|---------------|
| Item                                                           | Equipment         | Manufacturer | Model No.    | Serial No.        | Last Cal.  | Cal. Interval |
| 1                                                              | Spectrum Analyzer | Agilent      | E4407B       | MY49510055        | 2016.01.17 | 1 Year        |
| 2                                                              | Horn Antenna      | Schwarzbeck  | BBHA 9120 D  | BBHA 9120 D(1201) | 2016.01.21 | 1 Year        |
| 3                                                              | Amplifier         | Agilent      | 8449B        | 3008A02664        | 2016.01.19 | 1 Year        |
| 4                                                              | Cable             | Resenberger  | SUCOFLEX 104 | 329112/4          | 2016.01.17 | 1 Year        |

### 4.2. Block Diagram of Test Setup

In Semi Anechoic Chamber (3m) Test Setup Diagram for 30MHz~1000MHz



## In Semi Anechoic Chamber (3m) Test Setup Diagram for Above 1GHz



## 4.3. Radiated Emission Limit

| Frequency<br>MHz | Distance<br>(Meters) | Field Strengths Limits<br>dB(μV)/m |
|------------------|----------------------|------------------------------------|
| 30 ~ 88          | 3                    | 40.0                               |
| 88 ~ 216         | 3                    | 43.5                               |
| 216 ~ 960        | 3                    | 46.0                               |
| 960 ~ 1000       | 3                    | 54.0                               |
| Above 1GHz       | 3                    | 74(Peak) 54(Average)               |

- Notes:
1. Emission level = Read level + Antenna Factor - Preamp Factor + Cable Loss
  2. The smaller limit shall apply at the cross point between two frequency bands.
  3. Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.
  4. Frequency range of radiated measurements:

| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz)                           |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Below 1.705                                                                                      | 30                                                                   |
| 1.705-108                                                                                        | 1000                                                                 |
| 108-500                                                                                          | 2000                                                                 |
| 500-1000                                                                                         | 5000                                                                 |
| Above 1000                                                                                       | 5th harmonic of the highest frequency or 40 GHz, whichever is lower. |

#### 4.4.Configuration of EUT on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner that tends to maximize its emission characteristics in normal application.

#### 4.5.Operating Condition of EUT

- (1) Setup the EUT as shown as Section 4.2.
- (2) Turn on the power of all equipment.
- (3) Let the EUT work in test mode and 15 minutes before taking the test.

#### 4.6.Test Procedure

- (1) The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4:2014 on Radiated Emission test.
- (2) For the radiated emission test above 1GHz:  
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- (3) The frequency range from 30MHz to 1000MHz is checked, the bandwidth of test receiver (R&S TEST RECEIVER ESCI) is set at 120kHz.
- (4) The frequency range from above 1GHz is checked, the bandwidth of spectrum analyzer (Analyzer Spectrum Analyzer E4407B) is set at 1MHz.
- (5) The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values, the frequency range from 1GHz to 6GHz was pre-scanned with a peak detector and all final readings of measurement from Spectrum Analyzer are peak and average values checked, all measurement distance is 3m in 3m semi anechoic chamber.
- (6) The test results are reported on Section 4.7.

#### 4.7.Radiated Disturbance Test Results

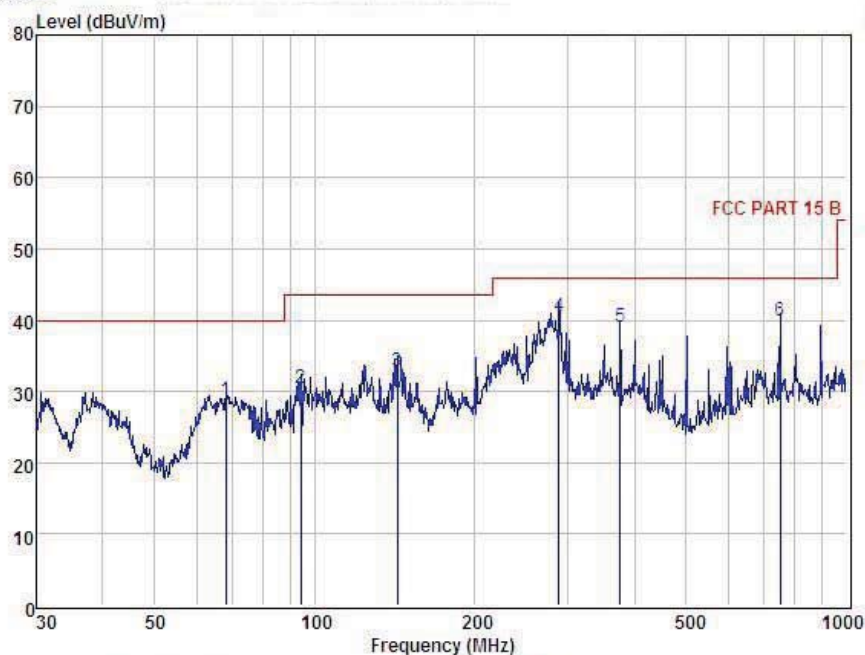
|                                                                                                                                                                                                                                                                                                                                                                                            |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Frequency Range : <b>30MHz~1000MHz</b>                                                                                                                                                                                                                                                                                                                                                     |                        |
| EUT : Camera                                                                                                                                                                                                                                                                                                                                                                               | Test Date : 2016.07.15 |
| M/N : QHY16200A                                                                                                                                                                                                                                                                                                                                                                            | Temperature : 23℃      |
| Test Engineer : Reak Yang                                                                                                                                                                                                                                                                                                                                                                  | Humidity : 56%         |
| Test Mode : Take Photo and communicate with PC                                                                                                                                                                                                                                                                                                                                             |                        |
| Test Results : <b>PASS</b>                                                                                                                                                                                                                                                                                                                                                                 |                        |
| Note: 1. The test results are listed in next pages.<br>2. This mode is worst case mode, so this report only reflected the worst mode.<br>3. If the limits for the measurement with the quasi-peak detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out. |                        |

|                                                                                                                                                                                                                                                                                                                                                                                      |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Frequency Range : <b>Above 1GHz</b>                                                                                                                                                                                                                                                                                                                                                  |                        |
| EUT : Camera                                                                                                                                                                                                                                                                                                                                                                         | Test Date : 2016.07.15 |
| M/N : QHY16200A                                                                                                                                                                                                                                                                                                                                                                      | Temperature : 23℃      |
| Test Engineer : Reak Yang                                                                                                                                                                                                                                                                                                                                                            | Humidity : 56%         |
| Test Mode : Take Photo and communicate with PC                                                                                                                                                                                                                                                                                                                                       |                        |
| Test Results : <b>PASS</b>                                                                                                                                                                                                                                                                                                                                                           |                        |
| Note: 1. The test results are listed in next pages.<br>2. This mode is worst case mode, so this report only reflected the worst mode.<br>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. |                        |



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Data: 20



Condition : FCC PART 15C 3m POL: HORIZONTAL

Input : 120VAC 60Hz

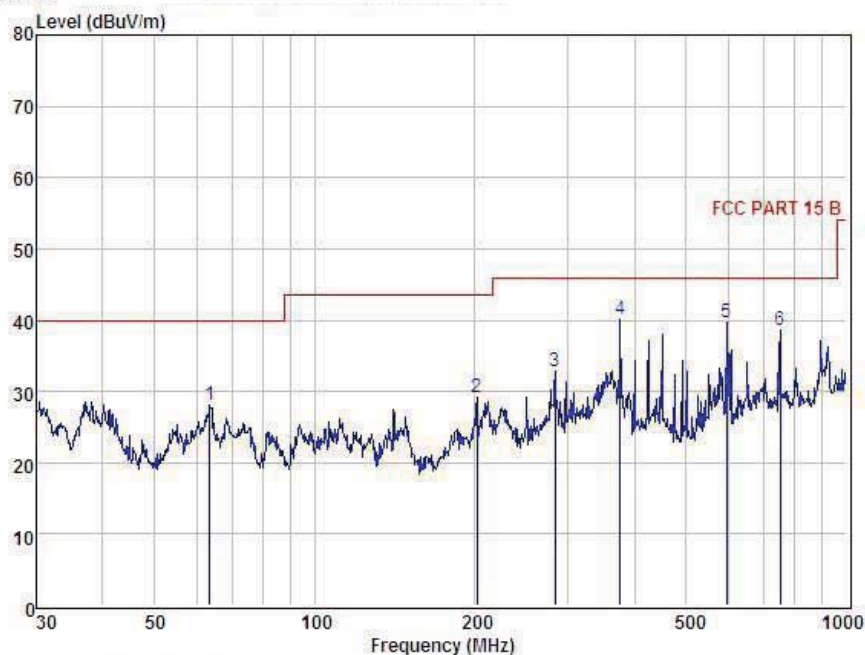
| Item | Freq<br>MHz | Read<br>Level<br>dBuV | Antenna<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBuV | Limit<br>dBuV | Margin<br>dBuV | Remark |
|------|-------------|-----------------------|-------------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
| 1    | 68.15       | 49.03                 | 11.21                   | 31.72                  | 0.29                | 28.81         | 40.00         | -11.19         | QP     |
| 2    | 94.43       | 51.60                 | 9.87                    | 31.40                  | 0.32                | 30.39         | 43.50         | -13.11         | QP     |
| 3    | 143.33      | 50.10                 | 13.64                   | 31.21                  | 0.38                | 32.91         | 43.50         | -10.59         | QP     |
| 4    | 287.99      | 57.97                 | 12.54                   | 30.60                  | 0.66                | 40.57         | 46.00         | -5.43          | QP     |
| 5    | 375.94      | 54.10                 | 14.35                   | 30.43                  | 0.96                | 38.98         | 46.00         | -7.02          | QP     |
| 6    | 750.11      | 47.87                 | 20.27                   | 29.19                  | 1.03                | 39.98         | 46.00         | -6.02          | QP     |

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Data: 19



Condition : FCC PART 15C 3m POL: VERTICAL

Input : 120VAC 60Hz

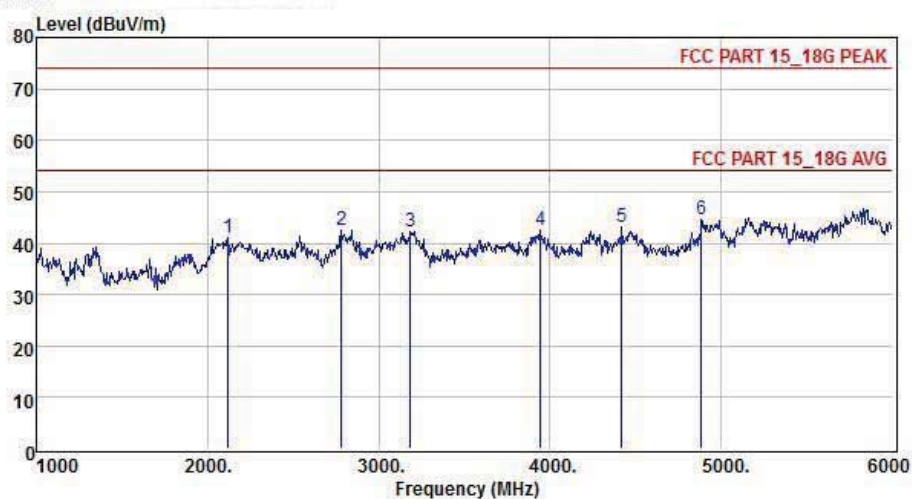
| Item | Freq<br>MHz | Read<br>Level<br>dBuV | Antenna<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBuV | Limit<br>dBuV | Margin<br>dBuV | Remark |
|------|-------------|-----------------------|-------------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
| 1    | 63.54       | 47.57                 | 11.98                   | 31.74                  | 0.24                | 28.05         | 40.00         | -11.95         | QP     |
| 2    | 202.10      | 49.71                 | 9.93                    | 30.94                  | 0.44                | 29.14         | 43.50         | -14.36         | QP     |
| 3    | 282.99      | 50.51                 | 12.45                   | 30.62                  | 0.56                | 32.90         | 46.00         | -13.10         | QP     |
| 4    | 375.94      | 55.26                 | 14.35                   | 30.43                  | 0.96                | 40.14         | 46.00         | -5.86          | QP     |
| 5    | 595.13      | 50.05                 | 18.20                   | 29.42                  | 0.85                | 39.68         | 46.00         | -6.32          | QP     |
| 6    | 750.11      | 46.53                 | 20.27                   | 29.19                  | 1.03                | 38.64         | 46.00         | -7.36          | QP     |

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Data: 17



Condition : FCC PART 15\_18G PEAK POL: VERTICAL

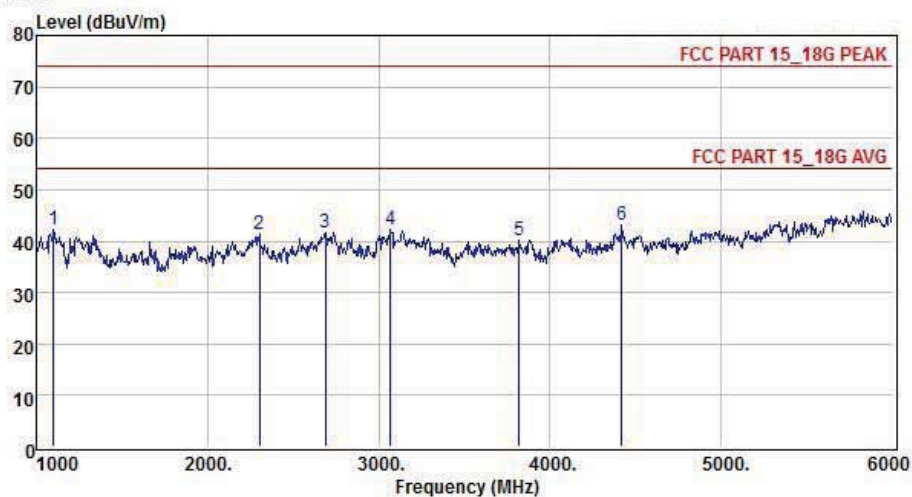
| Item     | Freq  | Read Level | Antenna Factor | Preamp Factor | Cable Loss | Level | Limit  | Margin | Remark |
|----------|-------|------------|----------------|---------------|------------|-------|--------|--------|--------|
|          | MHz   | dBuV       | dB             | dB            | dB         | dBuV  | dBuV   | dBuV   |        |
| 12120.00 | 45.17 | 27.25      | 34.95          | 3.70          | 41.17      | 74.00 | -32.83 | Peak   |        |
| 22780.00 | 45.36 | 27.90      | 34.98          | 4.25          | 42.53      | 74.00 | -31.47 | Peak   |        |
| 33185.00 | 44.33 | 28.21      | 34.95          | 4.58          | 42.17      | 74.00 | -31.83 | Peak   |        |
| 43945.00 | 42.57 | 29.49      | 34.73          | 5.15          | 42.48      | 74.00 | -31.52 | Peak   |        |
| 54420.00 | 41.76 | 30.42      | 34.49          | 5.45          | 43.14      | 74.00 | -30.86 | Peak   |        |
| 64885.00 | 41.43 | 31.41      | 34.12          | 5.75          | 44.47      | 74.00 | -29.53 | Peak   |        |

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Data: 18



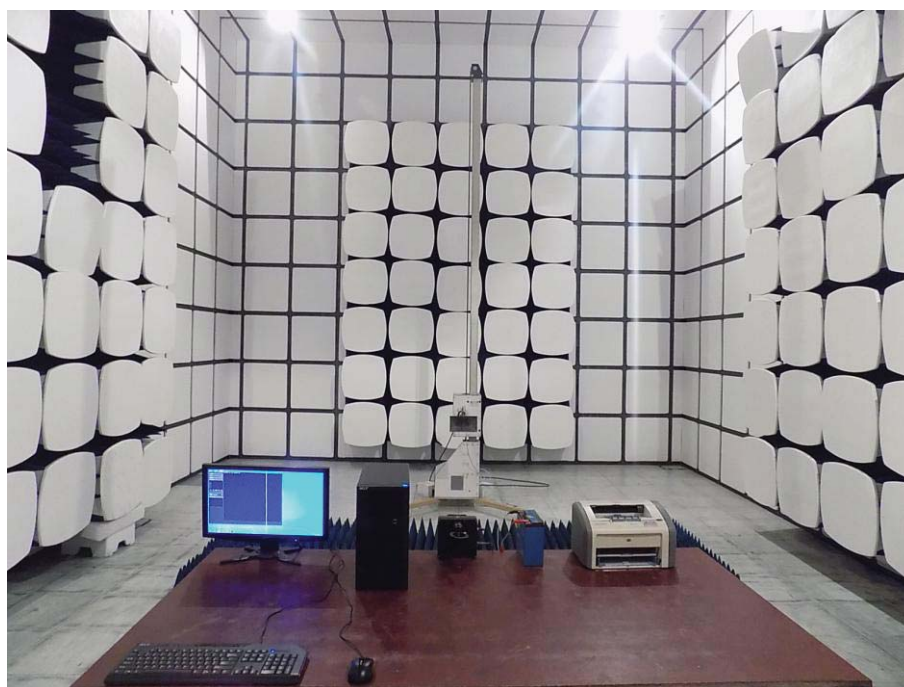
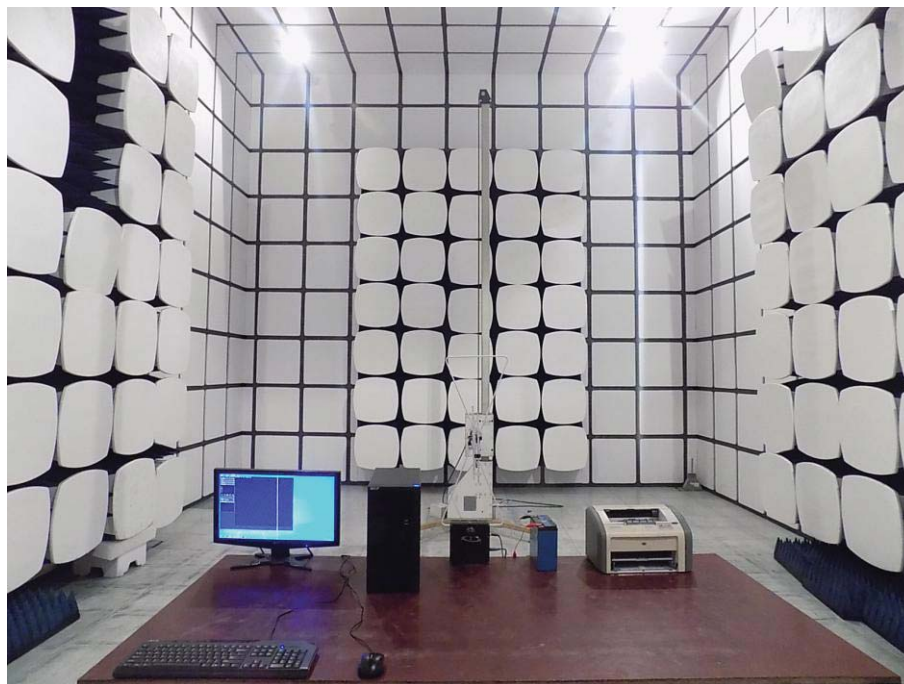
Condition : FCC PART 15\_18G PEAK POL: HORIZONTAL

| Item | Freq<br>MHz | Read<br>Level<br>dBuV | Antenna<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBuV | Limit<br>dBuV | Margin<br>dBuV | Remark |
|------|-------------|-----------------------|-------------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
|      | 11100.00    | 50.81                 | 24.16                   | 34.87                  | 2.14                | 42.24         | 74.00         | -31.76         | Peak   |
|      | 22305.00    | 44.73                 | 27.77                   | 34.96                  | 3.87                | 41.41         | 74.00         | -32.59         | Peak   |
|      | 32690.00    | 44.58                 | 27.86                   | 34.98                  | 4.18                | 41.64         | 74.00         | -32.36         | Peak   |
|      | 43070.00    | 44.23                 | 28.34                   | 34.97                  | 4.49                | 42.09         | 74.00         | -31.91         | Peak   |
|      | 53820.00    | 40.81                 | 29.12                   | 34.79                  | 5.07                | 40.21         | 74.00         | -33.79         | Peak   |
|      | 64420.00    | 41.76                 | 30.42                   | 34.49                  | 5.45                | 43.14         | 74.00         | -30.86         | Peak   |

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

## 5. PHOTOGRAPH

### 5.1.Photos of Radiated Emission Test (In Semi Anechoic Chamber)



## 5.2.Photos of Power Line Conducted Emission Test



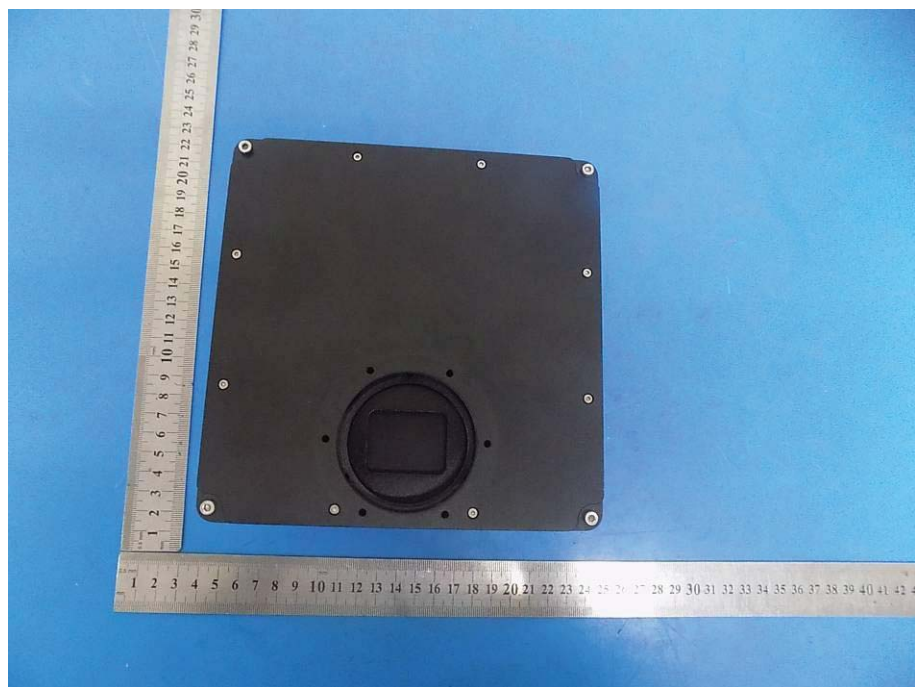
## 6. PHOTOS OF THE EUT

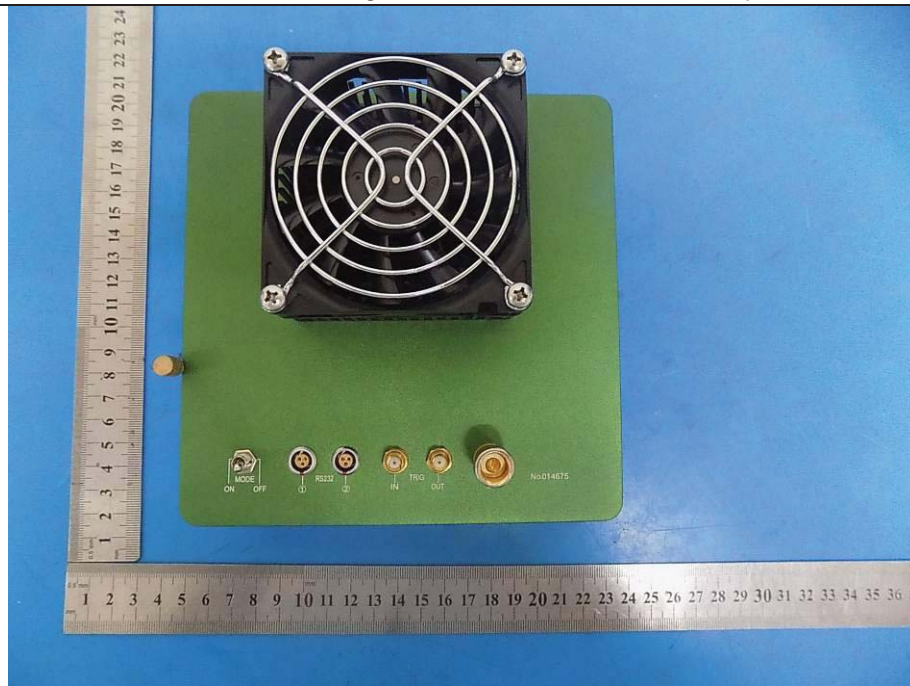
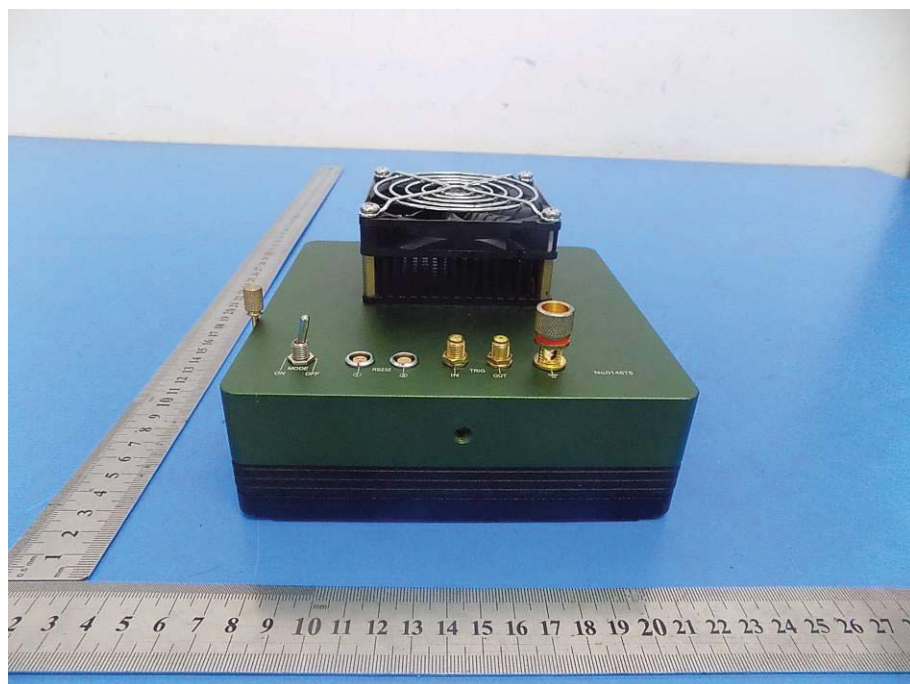


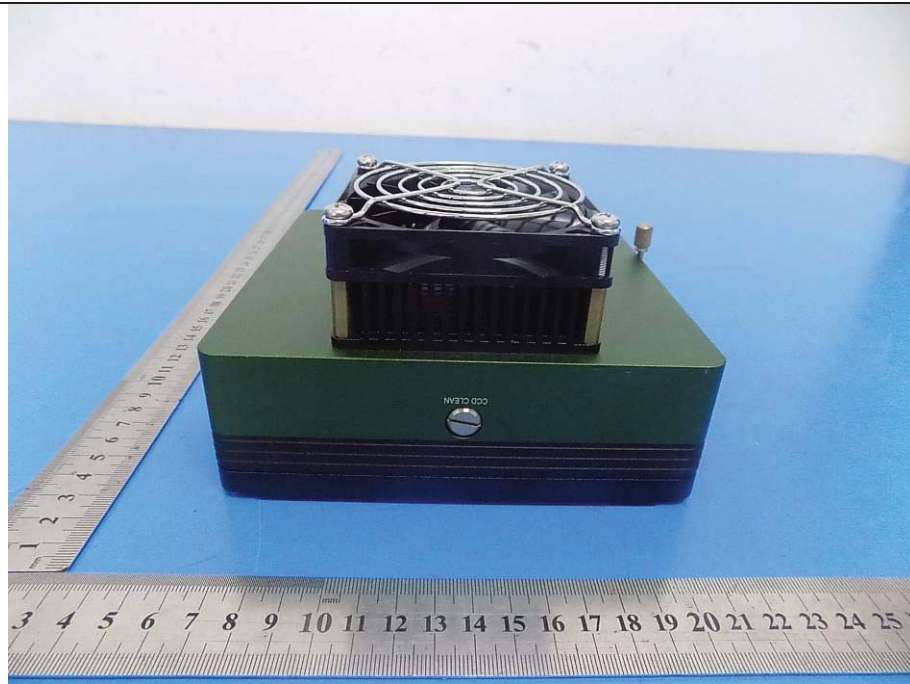
**Full Load**

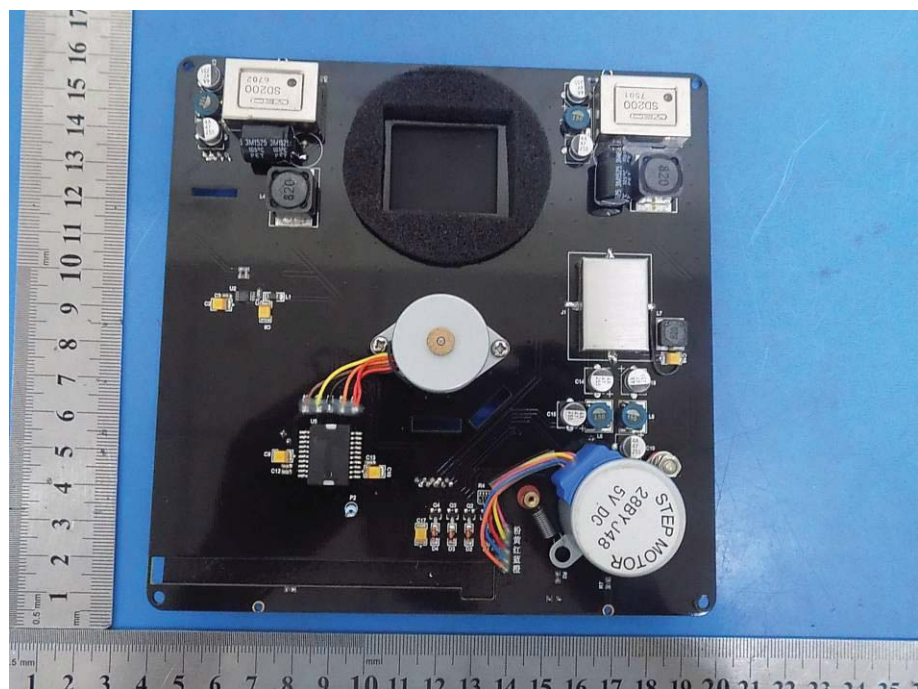


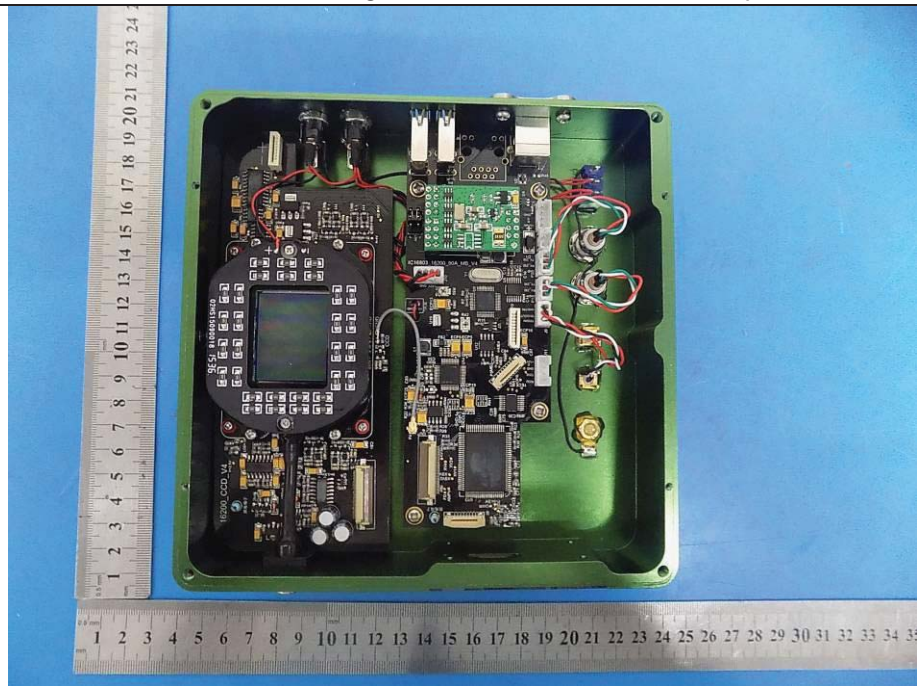
**Front View**

**Rear View****Top View**

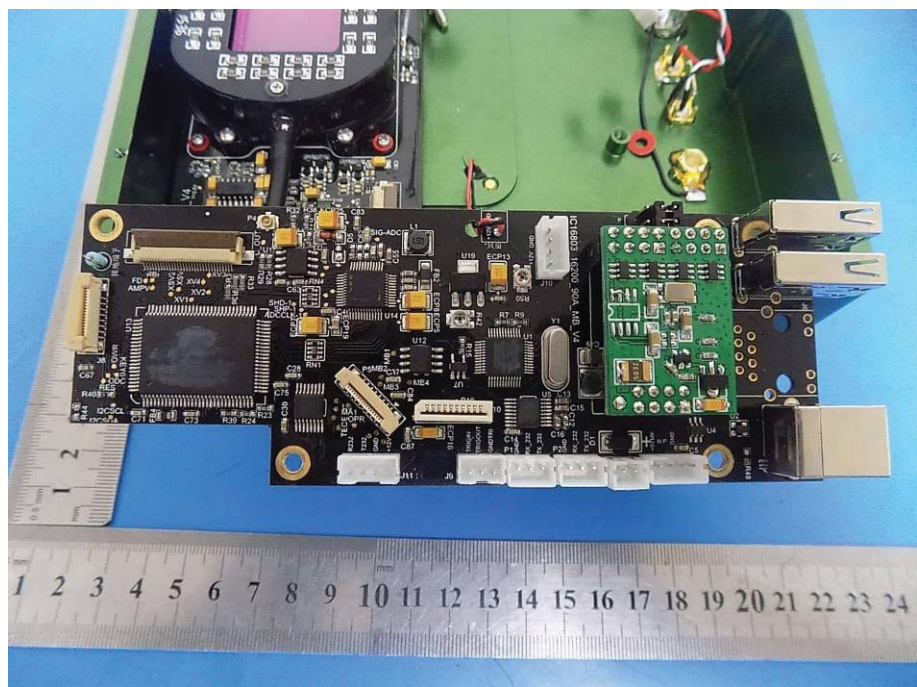
**Bottom View****Left View**

**Right View****Inside View**

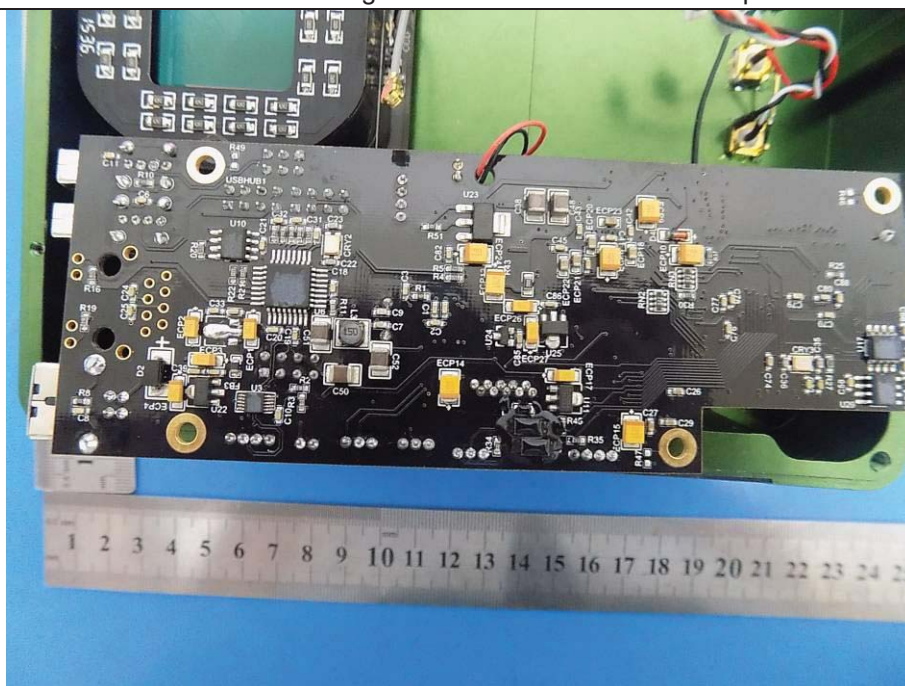
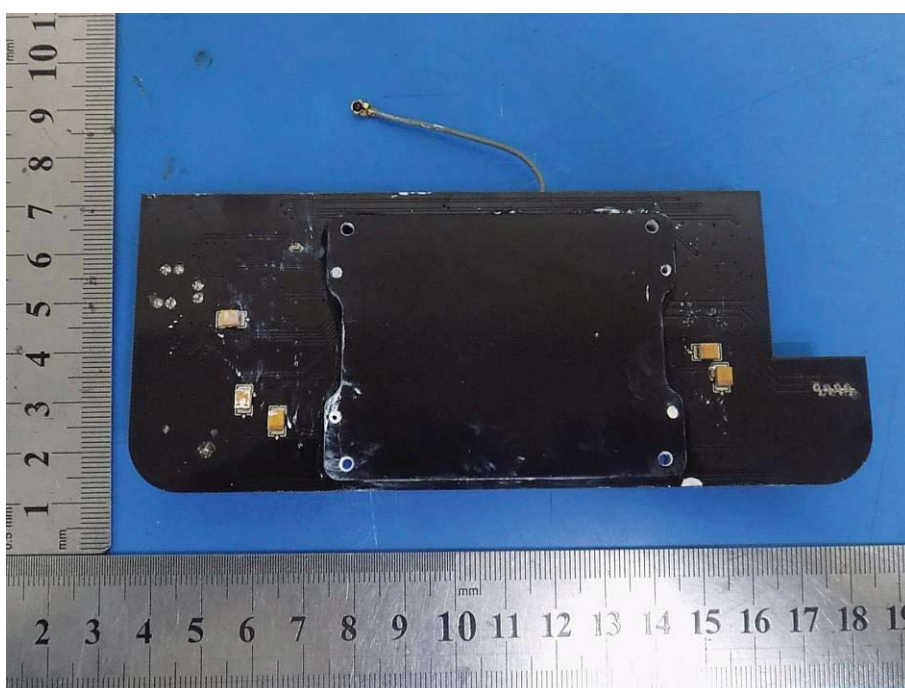
**Inside View****Inside View**

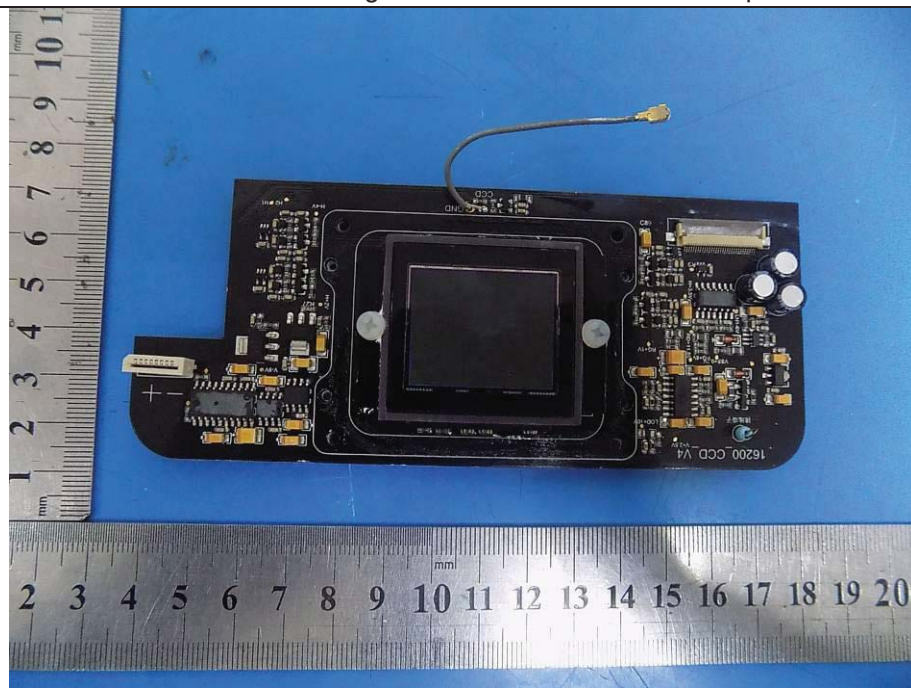


Inside View

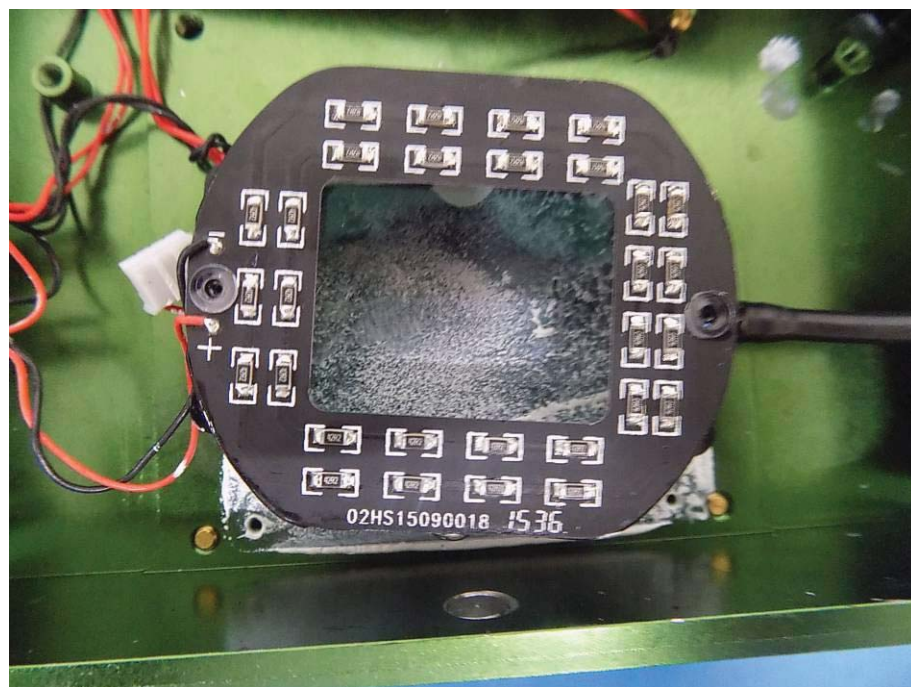


Inside View

**Inside View****Inside View**



**Inside View**



**Inside View**

**----END OF REPORT----**