

FCC TEST REPORT  
for  
SSK CORPORATION.

Smart Home Storage  
Model No.: SSM-F100

FCC ID: 2AKKJ-SSM-F100

Prepared for : SSK CORPORATION.  
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Report No. : ATE20162363  
Date of Test : Nov. 05, 2016--Feb. 12,  
2017  
Date of Report : Feb. 13, 2017

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## Test Report

Applicant : SSK CORPORATION.  
Manufacturer : SHENGZHEN MAYA ELECTRONICS CREATION CO., LIMITED.  
Product : Smart Home Storage  
Model No. : SSM-F100  
Trade Mark : **SSK**

Measurement Procedure Used:

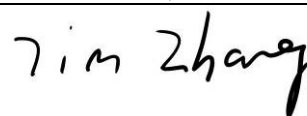
### **FCC Rules and Regulations Part 15 Subpart B Class B:2016 ANSI C63.4: 2014**

The device described above is tested by Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Accurate Technology Co., Ltd.

Date of Test : Nov. 05, 2016--Feb. 12, 2017  
Date of Report : Feb. 13, 2017

Prepared by :



(Tim.zhang, Engineer)

Approved & Authorized Signer :



( Sean Liu, Manager)

## 1. TEST RESULTS SUMMARY

| Test Items                    | Test Standard         | Test Results |
|-------------------------------|-----------------------|--------------|
| Power Line Conducted Emission | FCC Part 15 Subpart B | Pass         |
| Radiated Emission             | FCC Part 15 Subpart B | Pass         |

## 2. GENERAL INFORMATION

### 2.1. Description of Device (EUT)

|                         |   |                                                                                                                                                                                       |
|-------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                 | : | Smart Home Storage                                                                                                                                                                    |
| Model No.               | : | SSM-F100                                                                                                                                                                              |
| Test Voltage            | : | POWER SUPPLY: ~ 120V 60Hz                                                                                                                                                             |
| Adapter information     | : | Model:HL-120/2000-QB6S-EE<br>INPUT:100-240V 50/60Hz 680mA Max<br>OUTPUT:12V 2.0A                                                                                                      |
| Trade Name              | : | <b>SSK</b>                                                                                                                                                                            |
| Remark(s)               | : | The EUT highest operating frequency provided by Manufacturer is 480MHz, the radiated emission measurement shall be made up to 2 GHz.                                                  |
| Applicant Address       | : | SSK CORPORATION<br>3F, M-10 centre of Hi-Tech Industrial district,<br>Shenzhen, Guangdong, 518057, China.                                                                             |
| Manufacturer Address    | : | SHENGZHEN MAYA ELECTRONICS<br>CREATION CO., LIMITED<br>B1, Xinjianxing Technology Industrial Park,<br>FengxinRd.,Loucun, Gongming Street<br>Guangming New Area, Shenzhen City, China. |
| Date of sample receiver | : | Nov. 05, 2016                                                                                                                                                                         |
| Date of Test            | : | Nov. 05, 2016--Feb. 12, 2017                                                                                                                                                          |

### 2.2. Accessory and Auxiliary Equipment

|             |   |                                                              |
|-------------|---|--------------------------------------------------------------|
| Notebook PC | : | Manufacturer: LENOVO<br>M/N: 4290-RT8<br>S/N: R9-FW93G 11/08 |
|-------------|---|--------------------------------------------------------------|

### 2.3. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC  
The Registration Number is 253065  
Listed by FCC  
The Registration Number is 752051

Listed by Industry Canada  
The Registration Number is 5077A-1  
Listed by Industry Canada  
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee for  
Laboratories  
The Certificate Registration Number is L3193

Name of Firm : Accurate Technology Co., Ltd.  
Site Location : F1, Bldg. A&D, Changyuan New Material Port, Keyuan Rd.  
Science & Industry Park, Nanshan District, Shenzhen  
518057, P.R. China

### 2.4. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Power Disturbance Expanded Uncertainty = 2.92 dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2  
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2  
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2  
(Above 1GHz)

### 3. MEASURING DEVICE AND TEST EQUIPMENT

#### 3.1. For Radiated Emission Measurement

| Item | Equipment                        | Manufacturer         | Model No.                | Serial No. | Last Cal.    | Cal. Interval |
|------|----------------------------------|----------------------|--------------------------|------------|--------------|---------------|
| 1.   | Spectrum Analyzer                | Agilent              | E7405A                   | MY45115511 | Jan.07, 2017 | 1 Year        |
| 2.   | Spectrum Analyzer                | Rohde&Schwarz        | FSV40                    | 101495     | Jan.07, 2017 | 1 Year        |
| 3.   | Test Receiver                    | Rohde&Schwarz        | ESCS30                   | 100307     | Jan.07, 2017 | 1 Year        |
| 4.   | Test Receiver                    | Rohde& Schwarz       | ESPI                     | 100396/003 | Jan.07, 2017 | 1 Year        |
| 5.   | Test Receiver                    | Rohde& Schwarz       | ESPI                     | 101526/003 | Jan.07, 2017 | 1 Year        |
| 6.   | Test Receiver                    | Rohde& Schwarz       | ESR                      | 101817     | Jan.07, 2017 | 1 Year        |
| 7.   | Bilog Antenna                    | Schwarzbeck          | VULB9163                 | 9163-194   | Jan.13, 2017 | 1 Year        |
| 8.   | Bilog Antenna                    | Schwarzbeck          | VULB9163                 | 9163-323   | Jan.13, 2017 | 1 Year        |
| 9.   | Log.-Per.Antenna                 | Schwarzbeck          | VUSLP<br>9111B           | 9111B-074  | Jan.13, 2017 | 1 Year        |
| 10.  | Biconical Broad Band Antenna     | Schwarzbeck          | VHBB<br>9124+BBA<br>9106 | 9124-617   | Jan.13, 2017 | 1 Year        |
| 11.  | Loop Antenna                     | Schwarzbeck          | FMZB1516                 | 1516131    | Jan.13, 2017 | 1 Year        |
| 12.  | Horn Antenna                     | Schwarzbeck          | BBHA9120D                | 9120D-655  | Jan.13, 2017 | 1 Year        |
| 13.  | Horn Antenna                     | Schwarzbeck          | BBHA9120D                | 9120D-1067 | Jan.13, 2017 | 1 Year        |
| 14.  | Vertical Active Monopole Antenna | Schwarzbeck          | VAMP 9243                | 9243-370   | Jan.13, 2017 | 1 Year        |
| 15.  | RF Switching Unit+PreAMP         | Compliance Direction | RSU-M2                   | 38322      | Jan.07, 2017 | 1 Year        |
| 16.  | Pre-Amplifier                    | Agilent              | 8447D                    | 294A10619  | Jan.07, 2017 | 1 Year        |
| 17.  | Pre-Amplifier                    | Rohde&Schwarz        | CBLU11835<br>40-01       | 3791       | Jan.07, 2017 | 1 Year        |
| 18.  | 50 Coaxial Switch                | Anritsu Corp         | MP59B                    | 6200237248 | Jan.07, 2017 | 1 Year        |
| 19.  | 50 Coaxial Switch                | Anritsu Corp         | MP59B                    | 6200506474 | Jan.07, 2017 | 1 Year        |
| 20.  | RF Coaxial Cable                 | Schwarzbeck          | N-5m                     | No.1       | Jan.07, 2017 | 1 Year        |
| 21.  | RF Coaxial Cable                 | Schwarzbeck          | N-1m                     | No.6       | Jan.07, 2017 | 1 Year        |
| 22.  | RF Coaxial Cable                 | Schwarzbeck          | N-1m                     | No.7       | Jan.07, 2017 | 1 Year        |
| 23.  | RF Coaxial Cable                 | SUHNER               | N-3m                     | No.8       | Jan.07, 2017 | 1 Year        |
| 24.  | RF Coaxial Cable                 | RESENBERGER          | N-3.5m                   | No.9       | Jan.07, 2017 | 1 Year        |
| 25.  | RF Coaxial Cable                 | SUHNER               | N-6m                     | No.10      | Jan.07, 2017 | 1 Year        |
| 26.  | RF Coaxial Cable                 | RESENBERGER          | N-12m                    | No.11      | Jan.07, 2017 | 1 Year        |
| 27.  | RF Coaxial Cable                 | RESENBERGER          | N-0.5m                   | No.12      | Jan.07, 2017 | 1 Year        |
| 28.  | RF Coaxial Cable                 | SUHNER               | N-2m                     | No.13      | Jan.07, 2017 | 1 Year        |
| 29.  | RF Coaxial Cable                 | SUHNER               | N-0.5m                   | No.15      | Jan.07, 2017 | 1 Year        |
| 30.  | RF Coaxial Cable                 | SUHNER               | N-2m                     | No.16      | Jan.07, 2017 | 1 Year        |
| 31.  | RF Coaxial Cable                 | RESENBERGER          | N-6m                     | No.17      | Jan.07, 2017 | 1 Year        |

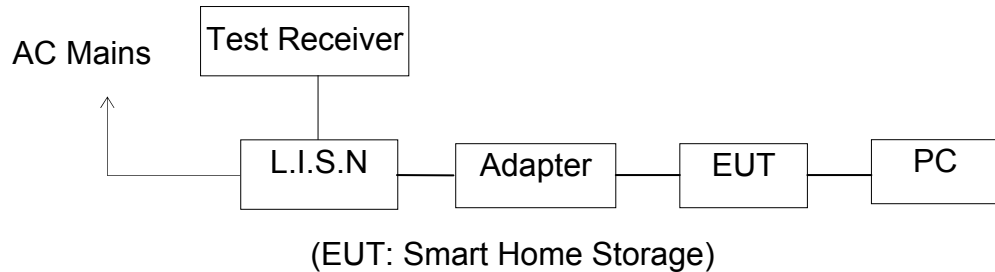
### 3.2. The Equipment Used to Measure Conducted Disturbance (L.I.S.N)

| Item | Equipment                              | Manufacturer    | Model No. | Serial No. | Last Cal.    | Cal. Interval |
|------|----------------------------------------|-----------------|-----------|------------|--------------|---------------|
| 1.   | Test Receiver                          | Rohde & Schwarz | ESCS30    | 100307     | Jan.07, 2017 | 1 Year        |
| 2.   | Test Receiver                          | Rohde & Schwarz | ESPI3     | 100396/003 | Jan.07, 2017 | 1 Year        |
| 3.   | Test Receiver                          | Rohde & Schwarz | ESPI3     | 101526/003 | Jan.07, 2017 | 1 Year        |
| 4.   | L.I.S.N.                               | Schwarzbeck     | NLSK8126  | 8126431    | Jan.07, 2017 | 1 Year        |
| 5.   | L.I.S.N.                               | Rohde & Schwarz | ESH3-Z5   | 100305     | Jan.07, 2017 | 1 Year        |
| 6.   | L.I.S.N.                               | Rohde & Schwarz | ESH3-Z5   | 100310     | Jan.07, 2017 | 1 Year        |
| 7.   | L.I.S.N.                               | Rohde & Schwarz | ESH3-Z6   | 100132     | Jan.07, 2017 | 1 Year        |
| 8.   | Pulse Limiter                          | Rohde & Schwarz | ESH3-Z2   | 100305     | Jan.07, 2017 | 1 Year        |
| 9.   | Pulse Limiter                          | Rohde & Schwarz | ESH3-Z2   | 100312     | Jan.07, 2017 | 1 Year        |
| 10.  | Pulse Limiter                          | Rohde & Schwarz | ESH3-Z2   | 100815     | Jan.07, 2017 | 1 Year        |
| 11.  | 50Ω Coaxial Switch                     | Anritsu Corp    | MP59B     | 6200283936 | Jan.07, 2017 | 1 Year        |
| 12.  | 50Ω Coaxial Switch                     | Anritsu Corp    | MP59B     | 6200283933 | Jan.07, 2017 | 1 Year        |
| 13.  | 50Ω Coaxial Switch                     | Anritsu Corp    | MP59B     | 6200506474 | Jan.07, 2017 | 1 Year        |
| 14.  | VOLTAGE PROBE                          | Schwarzbeck     | TK9416    | N/A        | Jan.07, 2017 | 1 Year        |
| 15.  | RF CURRENT PROBE                       | Rohde & Schwarz | EZ-17     | 100048     | Jan.07, 2017 | 1 Year        |
| 16.  | 8-Wire Impedance Stabilisation Network | Schwarzbeck     | CAT5 8158 | 8158-0035  | Jan.07, 2017 | 1 Year        |
| 17.  | RF Coaxial Cable                       | SUHNER          | N-2m      | No.2       | Jan.07, 2017 | 1 Year        |
| 18.  | RF Coaxial Cable                       | SUHNER          | N-2m      | No.3       | Jan.07, 2017 | 1 Year        |
| 19.  | RF Coaxial Cable                       | SUHNER          | N-2m      | No.14      | Jan.07, 2017 | 1 Year        |

Expanded Uncertainty: U= 2.23dB, k=2

## 4. POWER LINE CONDUCTED MEASUREMENT

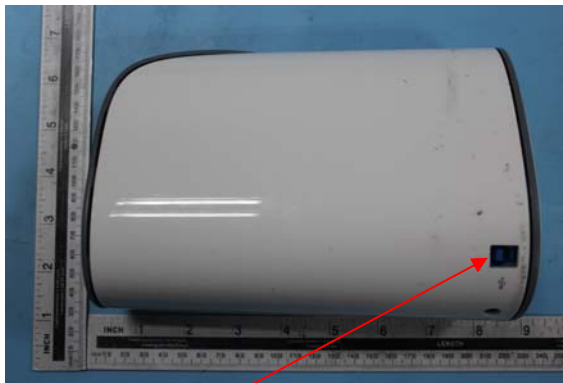
### 4.1. Block Diagram of Test Setup



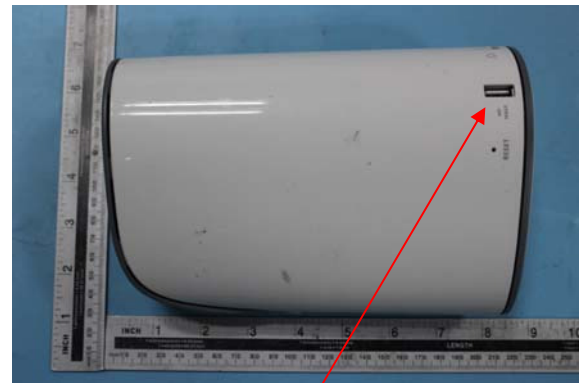
### 4.2. Test mode description

Test mode 1: transfer data (USB port 1 with PC) and RJ45 port operation

Test mode 2: transfer data (USB port 2 with PC) and RJ45 port operation



USB port 1



USB port 2

### 4.3. Power Line Conducted Emission Measurement Limits

| Frequency<br>(MHz) | Limit dB(μV)     |               |
|--------------------|------------------|---------------|
|                    | Quasi-peak Level | Average Level |
| 0.15 - 0.50        | 66.0 – 56.0 *    | 56.0 – 46.0 * |
| 0.50 - 5.00        | 56.0             | 46.0          |
| 5.00 - 30.00       | 60.0             | 50.0          |

NOTE1: The lower limit shall apply at the transition frequencies.  
 NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

### 4.4. Configuration of EUT on Measurement

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

#### 4.5. Operating Condition of EUT

4.5.1. Setup the EUT and simulator as shown as Section 4.1.

4.5.2. Turn on the power of all equipment.

4.5.3. Let the EUT work in test mode and measure it.

#### 4.6. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2014 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

#### 4.7. Power Line Conducted Emission Measurement Results

##### **PASS.**

The frequency range from 150kHz to 30MHz is checked.

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.

## Test mode 1

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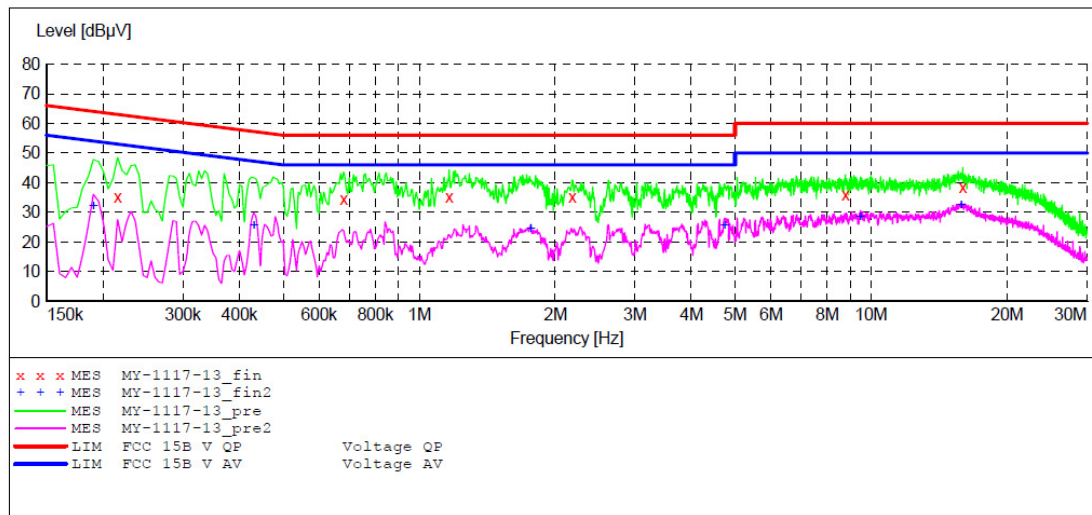
### CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Smart Home Storage M/N:SSM-F100  
 Manufacturer: MAYA  
 Operating Condition: TRANSFER DATA(USB port 1)&RJ45 port operation  
 Test Site: 1#Shielding Room  
 Operator: DING  
 Test Specification: N 120V/60Hz  
 Comment: Report NO.:ATE20162363  
 Start of Test: 11/18/2016 / 8:26:14AM

### SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB STD VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector  | Meas. Time | IF Bandw. | Transducer    |
|-----------------|----------------|------------|-----------|------------|-----------|---------------|
| 9.0 kHz         | 150.0 kHz      | 100.0 Hz   | QuasiPeak | 1.0 s      | 200 Hz    | NSLK8126 2008 |
| 150.0 kHz       | 30.0 MHz       | 5.0 kHz    | Average   |            |           |               |
|                 |                |            | QuasiPeak | 1.0 s      | 9 kHz     | NSLK8126 2008 |
|                 |                |            | Average   |            |           |               |



### MEASUREMENT RESULT: "MY-1117-13\_fin"

11/18/2016 8:29AM

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.215000      | 35.30      | 10.5      | 63         | 27.7      | QP       | N    | GND |
| 0.680000      | 34.30      | 10.8      | 56         | 21.7      | QP       | N    | GND |
| 1.165000      | 35.20      | 10.9      | 56         | 20.8      | QP       | N    | GND |
| 2.180000      | 35.10      | 11.0      | 56         | 20.9      | QP       | N    | GND |
| 8.770000      | 35.70      | 11.3      | 60         | 24.3      | QP       | N    | GND |
| 15.955000     | 38.50      | 11.4      | 60         | 21.5      | QP       | N    | GND |

### MEASUREMENT RESULT: "MY-1117-13\_fin2"

11/18/2016 8:29AM

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.190000      | 32.10      | 10.5      | 54         | 21.9      | AV       | N    | GND |
| 0.430000      | 25.50      | 10.7      | 47         | 21.8      | AV       | N    | GND |
| 1.765000      | 24.50      | 11.0      | 46         | 21.5      | AV       | N    | GND |
| 4.740000      | 25.70      | 11.1      | 46         | 20.3      | AV       | N    | GND |
| 9.470000      | 28.50      | 11.3      | 50         | 21.5      | AV       | N    | GND |
| 15.820000     | 32.40      | 11.4      | 50         | 17.6      | AV       | N    | GND |

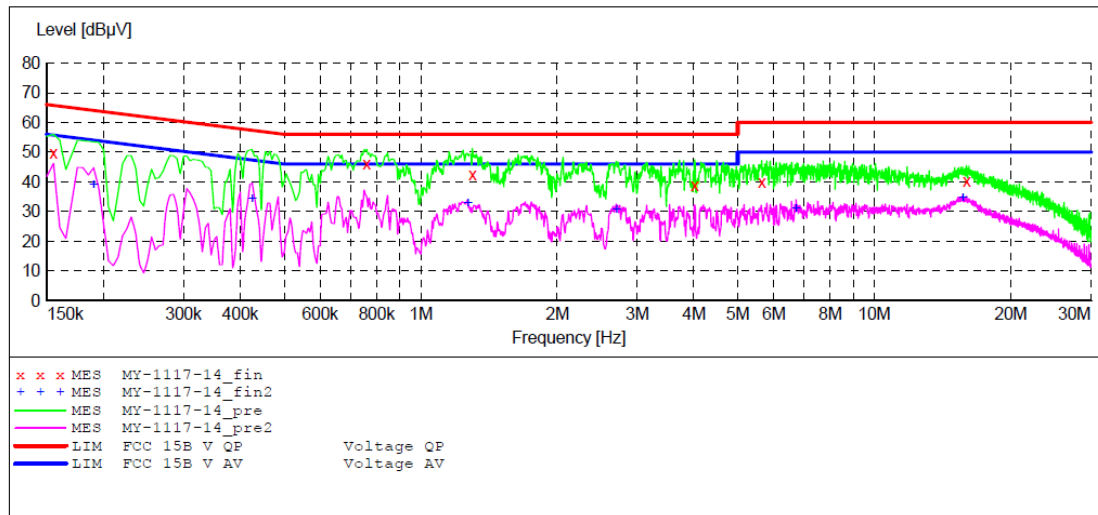
## ACCURATE TECHNOLOGY CO.,LTD

### CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Smart Home Storage M/N:SSM-F100  
 Manufacturer: MAYA  
 Operating Condition: TRANSFER DATA(USB port 1)&RJ45 port operation  
 Test Site: 1#Shielding Room  
 Operator: DING  
 Test Specification: L 120V/60Hz  
 Comment: Report NO.:ATE20162363  
 Start of Test: 11/18/2016 / 8:30:53AM

### SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
 Average  
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



### MEASUREMENT RESULT: "MY-1117-14\_fin"

11/18/2016 8:34AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.155000         | 49.70         | 10.5         | 66            | 16.0         | QP       | L1   | GND |
| 0.760000         | 46.00         | 10.8         | 56            | 10.0         | QP       | L1   | GND |
| 1.300000         | 42.50         | 10.9         | 56            | 13.5         | QP       | L1   | GND |
| 4.020000         | 38.70         | 11.1         | 56            | 17.3         | QP       | L1   | GND |
| 5.650000         | 39.90         | 11.2         | 60            | 20.1         | QP       | L1   | GND |
| 15.970000        | 40.20         | 11.4         | 60            | 19.8         | QP       | L1   | GND |

### MEASUREMENT RESULT: "MY-1117-14\_fin2"

11/18/2016 8:34AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.190000         | 39.10         | 10.5         | 54            | 14.9         | AV       | L1   | GND |
| 0.425000         | 34.30         | 10.7         | 47            | 13.0         | AV       | L1   | GND |
| 1.270000         | 32.80         | 10.9         | 46            | 13.2         | AV       | L1   | GND |
| 2.700000         | 30.80         | 11.0         | 46            | 15.2         | AV       | L1   | GND |
| 6.720000         | 31.20         | 11.2         | 50            | 18.8         | AV       | L1   | GND |
| 15.655000        | 34.60         | 11.4         | 50            | 15.4         | AV       | L1   | GND |

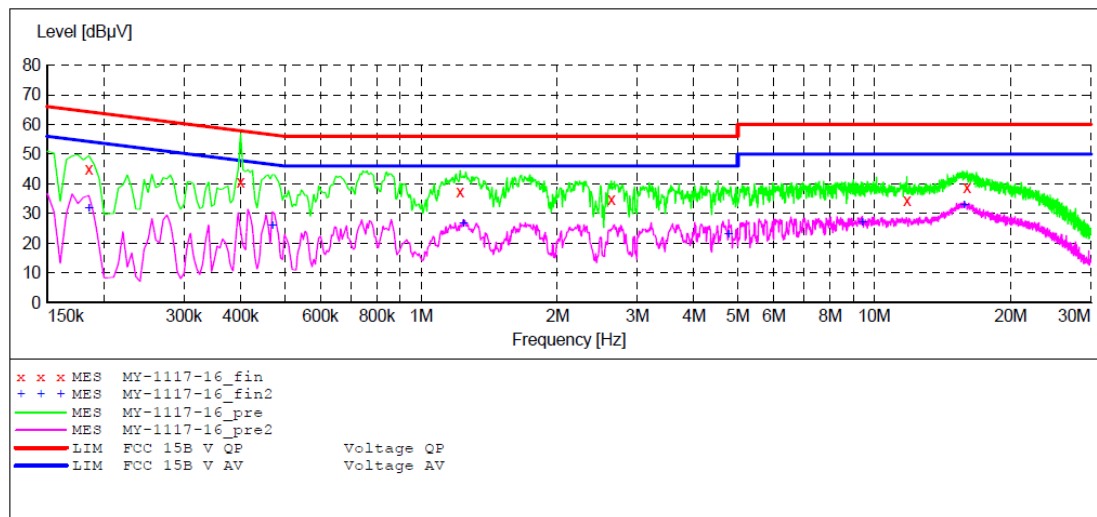
## ACCURATE TECHNOLOGY CO., LTD

### CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Smart Home Storage M/N:SSM-F100  
 Manufacturer: MAYA  
 Operating Condition: TRANSFER DATA(USB port 1)&RJ45 port operation  
 Test Site: 1#Shielding Room  
 Operator: DING  
 Test Specification: N 240V/60Hz  
 Comment: Report NO.:ATE20162363  
 Start of Test: 11/18/2016 / 8:39:29AM

### SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
 Average  
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



### MEASUREMENT RESULT: "MY-1117-16\_fin"

11/18/2016 8:43AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.185000         | 45.10         | 10.5         | 64            | 19.2         | QP       | N    | GND |
| 0.400000         | 40.60         | 10.7         | 58            | 17.3         | QP       | N    | GND |
| 1.220000         | 37.30         | 10.9         | 56            | 18.7         | QP       | N    | GND |
| 2.630000         | 34.90         | 11.0         | 56            | 21.1         | QP       | N    | GND |
| 11.800000        | 34.30         | 11.3         | 60            | 25.7         | QP       | N    | GND |
| 16.000000        | 38.90         | 11.4         | 60            | 21.1         | QP       | N    | GND |

### MEASUREMENT RESULT: "MY-1117-16\_fin2"

11/18/2016 8:43AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.185000         | 31.90         | 10.5         | 54            | 22.4         | AV       | N    | GND |
| 0.470000         | 26.10         | 10.7         | 47            | 20.4         | AV       | N    | GND |
| 1.240000         | 26.90         | 10.9         | 46            | 19.1         | AV       | N    | GND |
| 4.770000         | 23.00         | 11.1         | 46            | 23.0         | AV       | N    | GND |
| 9.410000         | 27.20         | 11.3         | 50            | 22.8         | AV       | N    | GND |
| 15.790000        | 32.90         | 11.4         | 50            | 17.1         | AV       | N    | GND |

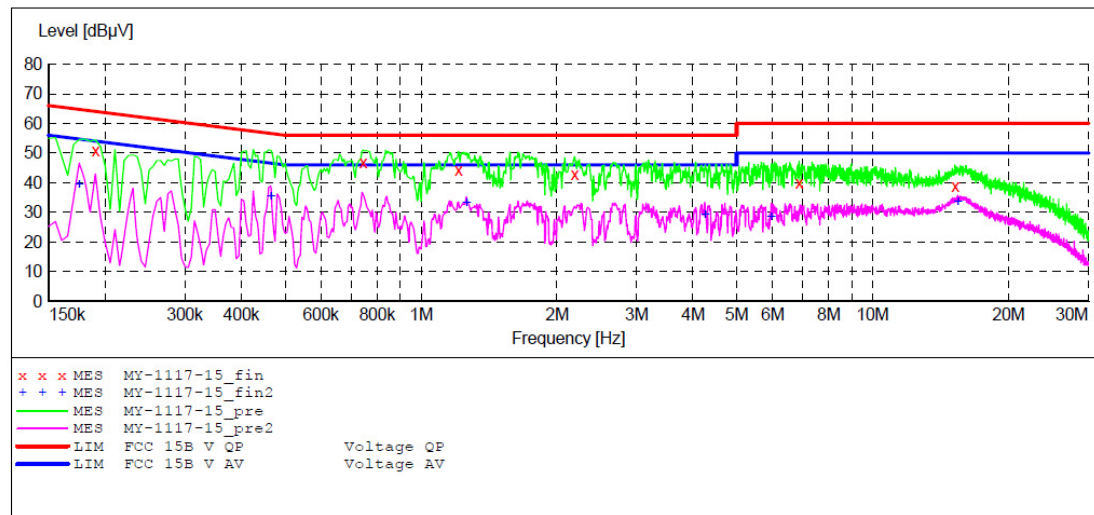
## ACCURATE TECHNOLOGY CO.,LTD

### CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Smart Home Storage M/N:SSM-F100  
 Manufacturer: MAYA  
 Operating Condition: TRANSFER DATA(USB port 1)&RJ45 port operation  
 Test Site: 1#Shielding Room  
 Operator: DING  
 Test Specification: L 240V/60Hz  
 Comment: Report NO.:ATE20162363  
 Start of Test: 11/18/2016 / 8:35:31AM

### SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
 Average  
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



### MEASUREMENT RESULT: "MY-1117-15\_fin"

11/18/2016 8:38AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.190000         | 50.60         | 10.5         | 64            | 13.4         | QP       | L1   | GND |
| 0.745000         | 46.90         | 10.8         | 56            | 9.1          | QP       | L1   | GND |
| 1.210000         | 44.10         | 10.9         | 56            | 11.9         | QP       | L1   | GND |
| 2.190000         | 42.70         | 11.0         | 56            | 13.3         | QP       | L1   | GND |
| 6.870000         | 39.90         | 11.2         | 60            | 20.1         | QP       | L1   | GND |
| 15.220000        | 38.80         | 11.4         | 60            | 21.2         | QP       | L1   | GND |

### MEASUREMENT RESULT: "MY-1117-15\_fin2"

11/18/2016 8:38AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.175000         | 39.60         | 10.5         | 55            | 15.1         | AV       | L1   | GND |
| 0.465000         | 35.30         | 10.7         | 47            | 11.3         | AV       | L1   | GND |
| 1.260000         | 33.40         | 10.9         | 46            | 12.6         | AV       | L1   | GND |
| 4.250000         | 29.20         | 11.1         | 46            | 16.8         | AV       | L1   | GND |
| 5.960000         | 28.60         | 11.2         | 50            | 21.4         | AV       | L1   | GND |
| 15.430000        | 33.50         | 11.4         | 50            | 16.5         | AV       | L1   | GND |

## Test mode 2

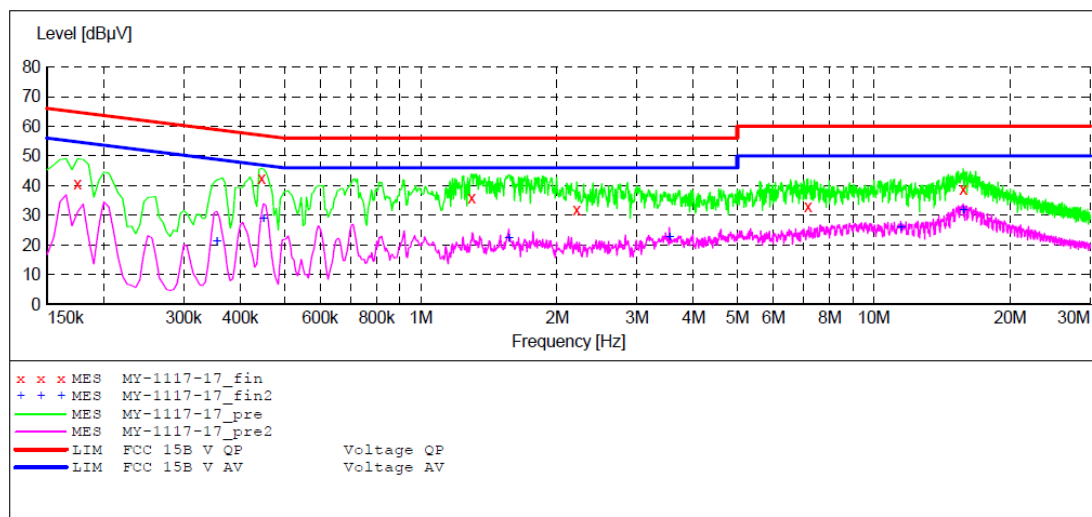
ACCURATE TECHNOLOGY CO., LTD

### CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Smart Home Storage M/N:SSM-F100  
 Manufacturer: MAYA  
 Operating Condition: TRANSFER DATA(USB port 2)&RJ45 port operation  
 Test Site: 1#Shielding Room  
 Operator: DING  
 Test Specification: N 120V/60Hz  
 Comment: Report NO.:ATE20162363  
 Start of Test: 11/18/2016 / 8:43:44AM

#### SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



#### MEASUREMENT RESULT: "MY-1117-17\_fin"

11/18/2016 8:47AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.175000         | 40.70         | 10.5         | 65            | 24.0         | QP       | N    | GND |
| 0.445000         | 42.50         | 10.7         | 57            | 14.5         | QP       | N    | GND |
| 1.295000         | 36.00         | 10.9         | 56            | 20.0         | QP       | N    | GND |
| 2.210000         | 31.70         | 11.0         | 56            | 24.3         | QP       | N    | GND |
| 7.160000         | 32.90         | 11.2         | 60            | 27.1         | QP       | N    | GND |
| 15.745000        | 38.90         | 11.4         | 60            | 21.1         | QP       | N    | GND |

#### MEASUREMENT RESULT: "MY-1117-17\_fin2"

11/18/2016 8:47AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.355000         | 21.20         | 10.6         | 49            | 27.6         | AV       | N    | GND |
| 0.450000         | 28.80         | 10.7         | 47            | 18.1         | AV       | N    | GND |
| 1.565000         | 22.40         | 10.9         | 46            | 23.6         | AV       | N    | GND |
| 3.540000         | 22.80         | 11.1         | 46            | 23.2         | AV       | N    | GND |
| 11.470000        | 26.10         | 11.3         | 50            | 23.9         | AV       | N    | GND |
| 15.745000        | 32.00         | 11.4         | 50            | 18.0         | AV       | N    | GND |

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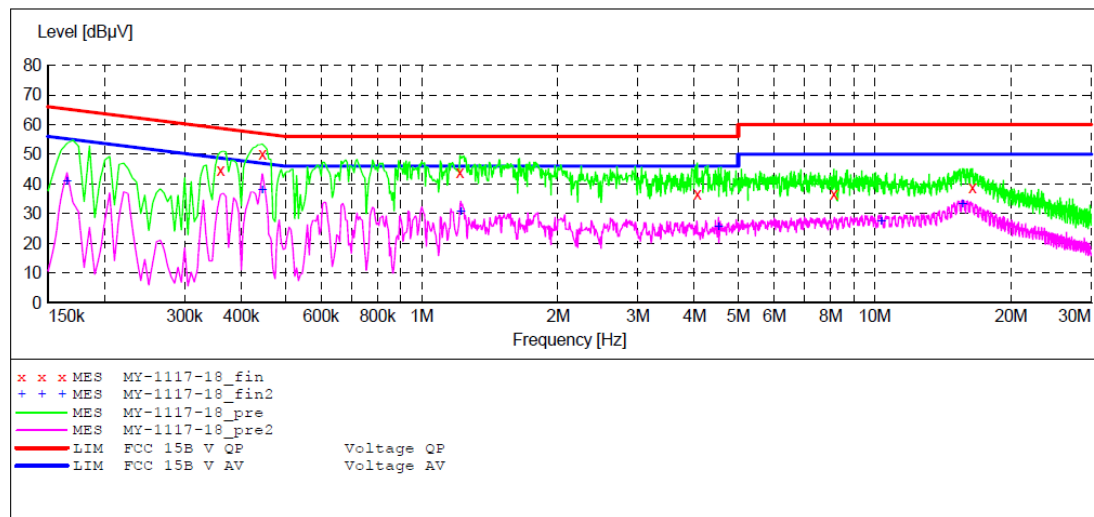
### CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Smart Home Storage M/N:SSM-F100  
 Manufacturer: MAYA  
 Operating Condition: TRANSFER DATA(USB port 2)&RJ45 port operation  
 Test Site: 1#Shielding Room  
 Operator: DING  
 Test Specification: L 120V/60Hz  
 Comment: Report NO.:ATE20162363  
 Start of Test: 11/18/2016 / 8:47:54AM

### SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB STD VTERM2 1.70

| Start     | Stop      | Step     | Detector  | Meas. Time | IF Bandw. | Transducer    |
|-----------|-----------|----------|-----------|------------|-----------|---------------|
| 9.0 kHz   | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s      | 200 Hz    | NSLK8126 2008 |
|           |           |          | Average   |            |           |               |
| 150.0 kHz | 30.0 MHz  | 5.0 kHz  | QuasiPeak | 1.0 s      | 9 kHz     | NSLK8126 2008 |
|           |           |          | Average   |            |           |               |



### MEASUREMENT RESULT: "MY-1117-18\_fin"

11/18/2016 8:51AM

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.360000      | 44.50      | 10.6      | 59         | 14.2      | QP       | L1   | GND |
| 0.445000      | 50.00      | 10.7      | 57         | 7.0       | QP       | L1   | GND |
| 1.215000      | 43.70      | 10.9      | 56         | 12.3      | QP       | L1   | GND |
| 4.060000      | 36.50      | 11.1      | 56         | 19.5      | QP       | L1   | GND |
| 8.130000      | 36.50      | 11.2      | 60         | 23.5      | QP       | L1   | GND |
| 16.435000     | 38.80      | 11.4      | 60         | 21.2      | QP       | L1   | GND |

### MEASUREMENT RESULT: "MY-1117-18\_fin2"

11/18/2016 8:51AM

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.165000      | 41.00      | 10.5      | 55         | 14.2      | AV       | L1   | GND |
| 0.445000      | 38.10      | 10.7      | 47         | 8.9       | AV       | L1   | GND |
| 1.220000      | 30.80      | 10.9      | 46         | 15.2      | AV       | L1   | GND |
| 4.520000      | 25.70      | 11.1      | 46         | 20.3      | AV       | L1   | GND |
| 10.330000     | 27.60      | 11.3      | 50         | 22.4      | AV       | L1   | GND |
| 15.610000     | 33.20      | 11.4      | 50         | 16.8      | AV       | L1   | GND |

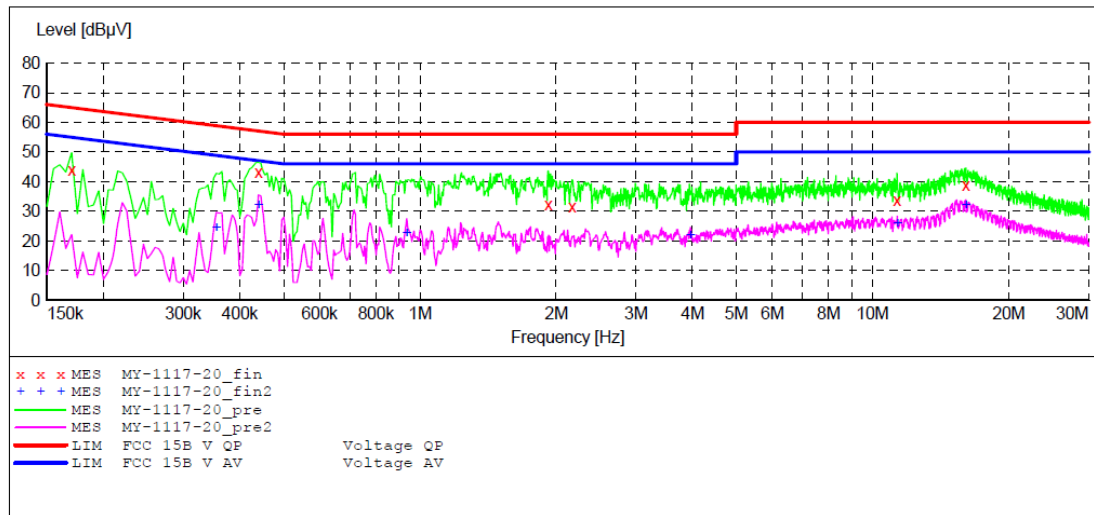
## ACCURATE TECHNOLOGY CO.,LTD

### CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Smart Home Storage M/N:SSM-F100  
 Manufacturer: MAYA  
 Operating Condition: TRANSFER DATA(USB port 2)&RJ45 port operation  
 Test Site: 1#Shielding Room  
 Operator: DING  
 Test Specification: N 240V/60Hz  
 Comment: Report NO.:ATE20162363  
 Start of Test: 11/18/2016 / 8:57:41AM

### SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
 Average  
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



### MEASUREMENT RESULT: "MY-1117-20\_fin"

11/18/2016 9:04AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.170000         | 44.00         | 10.5         | 65            | 21.0         | QP       | N    | GND |
| 0.440000         | 43.00         | 10.7         | 57            | 14.1         | QP       | N    | GND |
| 1.920000         | 32.30         | 11.0         | 56            | 23.7         | QP       | N    | GND |
| 2.170000         | 31.60         | 11.0         | 56            | 24.4         | QP       | N    | GND |
| 11.320000        | 33.80         | 11.3         | 60            | 26.2         | QP       | N    | GND |
| 16.075000        | 38.90         | 11.4         | 60            | 21.1         | QP       | N    | GND |

### MEASUREMENT RESULT: "MY-1117-20\_fin2"

11/18/2016 9:04AM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.355000         | 24.50         | 10.6         | 49            | 24.3         | AV       | N    | GND |
| 0.440000         | 32.10         | 10.7         | 47            | 15.0         | AV       | N    | GND |
| 0.935000         | 22.90         | 10.8         | 46            | 23.1         | AV       | N    | GND |
| 3.960000         | 22.00         | 11.1         | 46            | 24.0         | AV       | N    | GND |
| 11.335000        | 26.20         | 11.3         | 50            | 23.8         | AV       | N    | GND |
| 16.075000        | 32.10         | 11.4         | 50            | 17.9         | AV       | N    | GND |

## ACCURATE TECHNOLOGY CO.,LTD

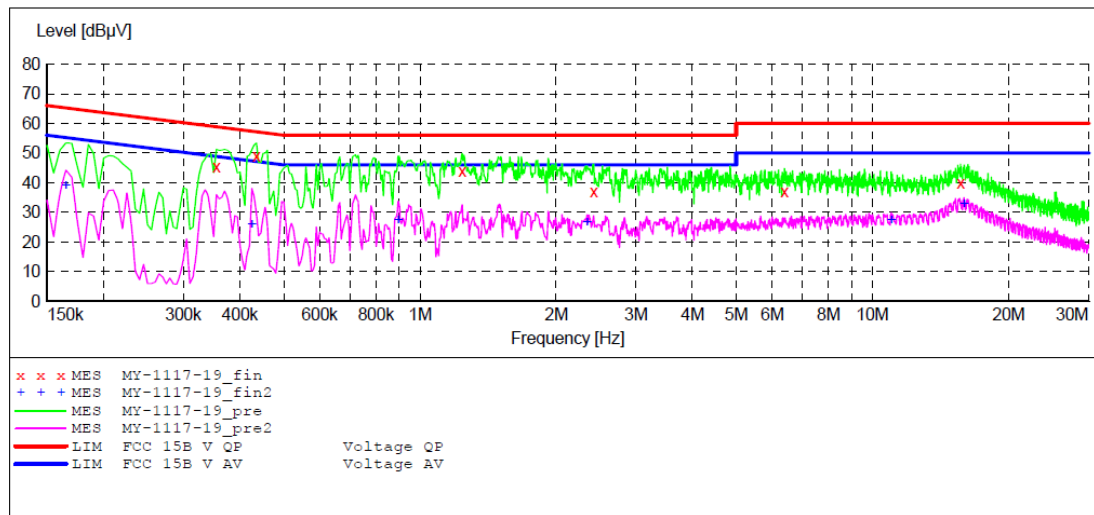
### CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Smart Home Storage M/N:SSM-F100  
 Manufacturer: MAYA  
 Operating Condition: TRANSFER DATA(USB port 2)&RJ45 port operation  
 Test Site: 1#Shielding Room  
 Operator: DING  
 Test Specification: L 240V/60Hz  
 Comment: Report NO.:ATE20162363  
 Start of Test: 11/18/2016 / 8:52:31AM

### SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB STD VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector  | Meas. Time | IF Bandw. | Transducer    |
|-----------------|----------------|------------|-----------|------------|-----------|---------------|
| 9.0 kHz         | 150.0 kHz      | 100.0 Hz   | QuasiPeak | 1.0 s      | 200 Hz    | NSLK8126 2008 |
| 150.0 kHz       | 30.0 MHz       | 5.0 kHz    | Average   |            |           |               |
|                 |                |            | QuasiPeak | 1.0 s      | 9 kHz     | NSLK8126 2008 |
|                 |                |            | Average   |            |           |               |



### MEASUREMENT RESULT: "MY-1117-19\_fin"

11/18/2016 8:56AM

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.355000      | 45.40      | 10.6      | 59         | 13.4      | QP       | L1   | GND |
| 0.435000      | 49.10      | 10.7      | 57         | 8.1       | QP       | L1   | GND |
| 1.240000      | 43.80      | 10.9      | 56         | 12.2      | QP       | L1   | GND |
| 2.420000      | 36.80      | 11.0      | 56         | 19.2      | QP       | L1   | GND |
| 6.390000      | 37.10      | 11.2      | 60         | 22.9      | QP       | L1   | GND |
| 15.655000     | 39.70      | 11.4      | 60         | 20.3      | QP       | L1   | GND |

### MEASUREMENT RESULT: "MY-1117-19\_fin2"

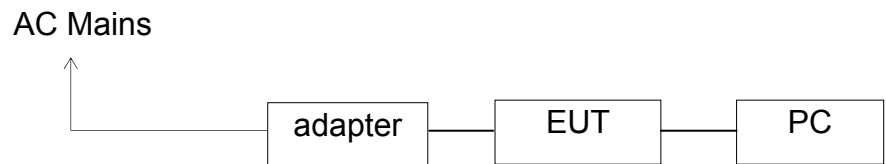
11/18/2016 8:56AM

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.165000      | 39.00      | 10.5      | 55         | 16.2      | AV       | L1   | GND |
| 0.425000      | 26.00      | 10.7      | 47         | 21.3      | AV       | L1   | GND |
| 0.895000      | 27.60      | 10.8      | 46         | 18.4      | AV       | L1   | GND |
| 2.340000      | 26.60      | 11.0      | 46         | 19.4      | AV       | L1   | GND |
| 11.005000     | 27.60      | 11.3      | 50         | 22.4      | AV       | L1   | GND |
| 15.925000     | 33.10      | 11.4      | 50         | 16.9      | AV       | L1   | GND |

## 5. RADIATED EMISSION MEASUREMENT

### 5.1. Block Diagram of Test

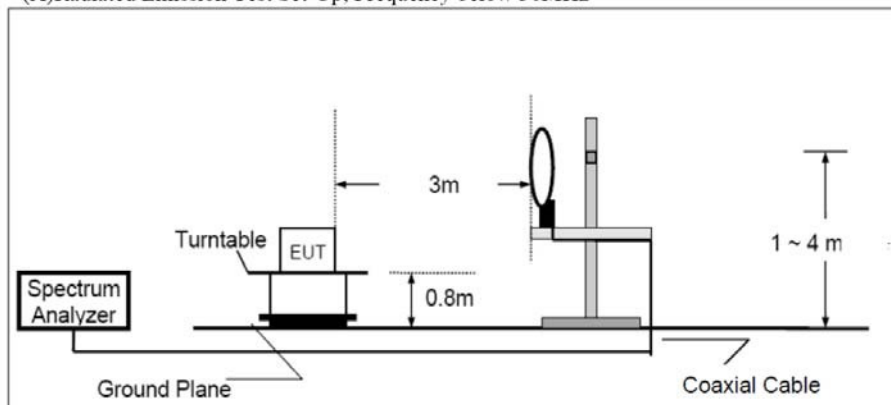
#### 5.1.1. Block diagram of connection between the EUT and simulators



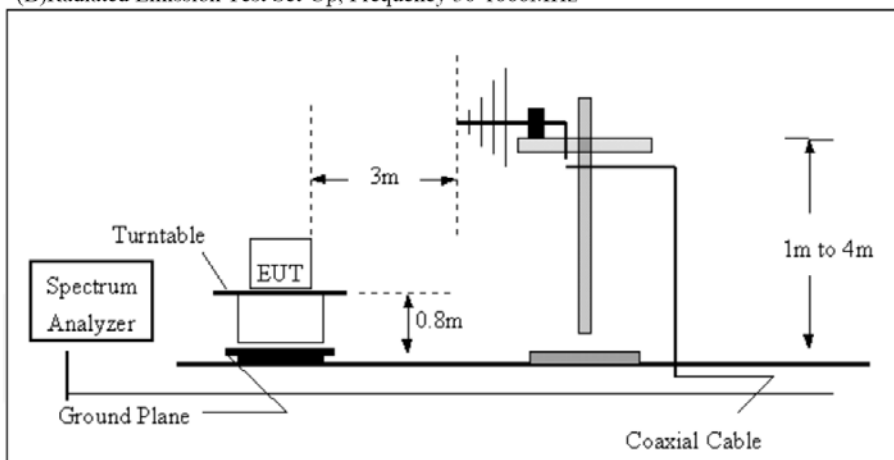
(EUT: Smart Home Storage)

#### 5.1.2. Block diagram of test setup (In chamber)

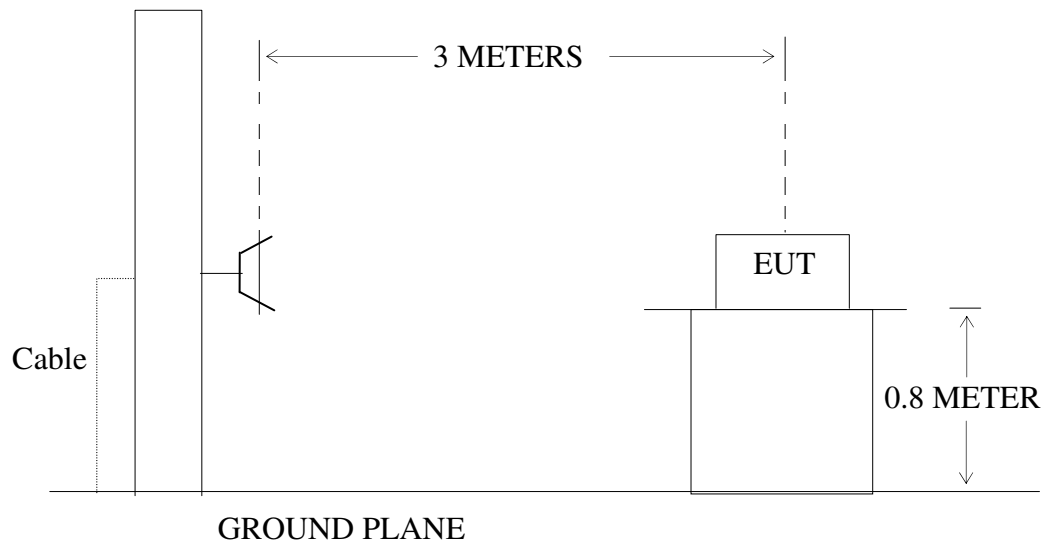
(A) Radiated Emission Test Set-Up, Frequency below 30MHz



(B) Radiated Emission Test Set-Up, Frequency 30-1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1GHz



## 5.2. Test mode description

Test mode 1: transfer data (USB port 1 with PC) and RJ45 port operation

Test mode 2: transfer data (USB port 2 with PC) and RJ45 port operation

Test mode 3: RJ45 port operation

## 5.3. Radiated Emission Limit (Class B)

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

| Frequency<br>MHz | Distance<br>Meters | Field Strengths Limit |                            |
|------------------|--------------------|-----------------------|----------------------------|
|                  |                    | $\mu\text{V/m}$       | $\text{dB}(\mu\text{V/m})$ |
| 30-88            | 3                  | 100                   | 40.0                       |
| 88-216           | 3                  | 150                   | 43.5                       |
| 216-960          | 3                  | 200                   | 46.0                       |
| Above 960        | 3                  | 500                   | 54.0                       |

Remark:

(1) Emission level  $\text{dB}(\mu\text{V}) = 20 \log \text{Emission level } \mu\text{V/m}$ .

(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.

## 5.4.Manufacturer

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

### 5.4.1.Smart Home Storage (EUT)

Model Number: SSM-F100

Manufacturer: SHENGZHEN MAYA ELECTRONICS CREATION CO., LIMITED.

## 5.5.Operating Condition of EUT

5.5.1.Setup the EUT and simulator as shown as Section 5.1

5.5.2.Turn on the power of all equipment.

5.5.3.Let the EUT work in test mode and measure it.

## 5.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2014 on radiated emission measurement.

The bandwidth of the EMI test receiver (R&S ESCS30) is set at 120kHz.

The frequency range from 9KHz to 2000MHz is checked.

Note: The EUT highest operating frequency provided by Manufacturer is 480MHz, the radiated emission measurement shall be made up to 2 GHz.

| 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. |

## 5.7.Radiated Emission Noise Measurement Result

### **PASS.**

The frequency range from 9KHz to 2000MHz is investigated.

The radiation emissions from 9K-30MHz is not reported, because the test values lower than the limits of 20dB.

The spectral diagrams are attached as below.

Below 1GHz



**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ding11 #463

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: Test mode 1

Model: SSM-F100

Manufacturer: MAYA

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 2017/02/08

Time: 14:03:39

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 91.6994     | 41.63            | -21.92      | 19.71           | 43.50          | -23.79      | peak     |             |               |        |
| 2   | 178.7697    | 47.26            | -20.45      | 26.81           | 43.50          | -16.69      | peak     |             |               |        |
| 3   | 272.5246    | 52.45            | -16.98      | 35.47           | 46.00          | -10.53      | peak     |             |               |        |
| 4   | 367.3752    | 43.12            | -13.37      | 29.75           | 46.00          | -16.25      | peak     |             |               |        |
| 5   | 481.5112    | 41.59            | -11.19      | 30.40           | 46.00          | -15.60      | peak     |             |               |        |
| 6   | 571.9750    | 43.71            | -9.13       | 34.58           | 46.00          | -11.42      | peak     |             |               |        |

Job No.: ding11 #462

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: Test mode 1

Model: SSM-F100

Manufacturer: MAYA

Polarization: Vertical

Power Source: AC 120V/60Hz

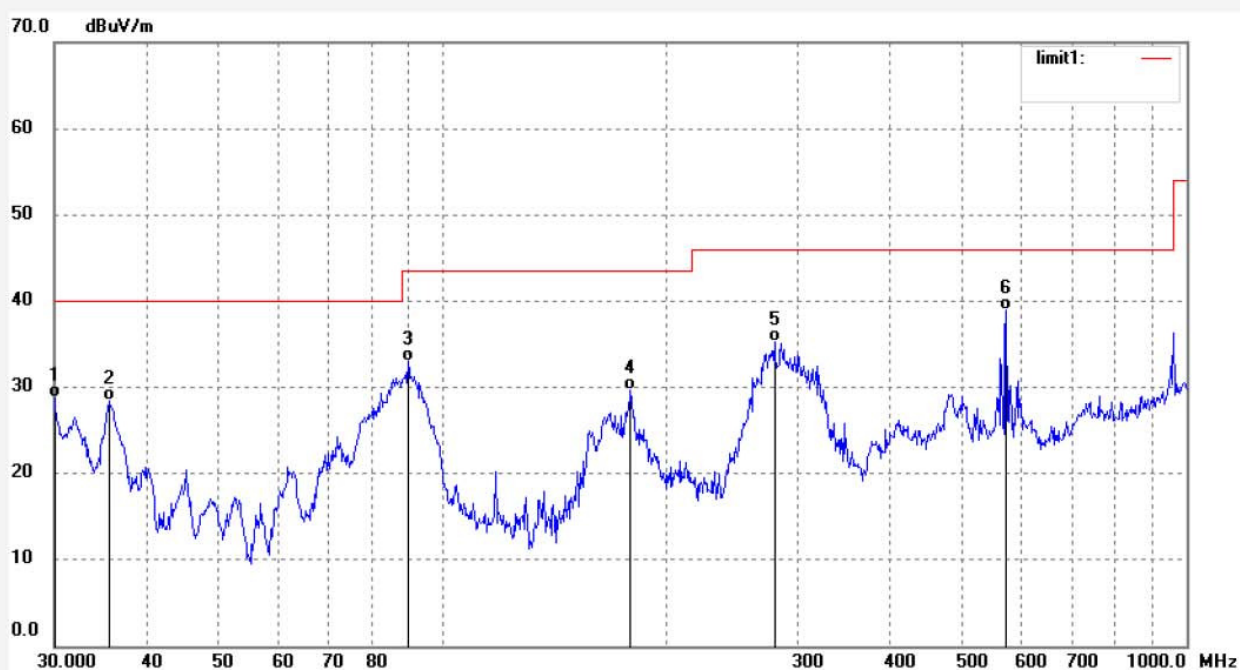
Date: 2017/02/08

Time: 14:01:18

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 30.0000        | 43.42               | -14.70         | 28.72              | 40.00             | -11.28         | QP       |                |                  |        |
| 2   | 35.5112        | 44.65               | -16.16         | 28.49              | 40.00             | -11.51         | QP       |                |                  |        |
| 3   | 89.7866        | 54.83               | -21.91         | 32.92              | 43.50             | -10.58         | QP       |                |                  |        |
| 4   | 178.7697       | 50.09               | -20.45         | 29.64              | 43.50             | -13.86         | QP       |                |                  |        |
| 5   | 279.3105       | 51.88               | -16.64         | 35.24              | 46.00             | -10.76         | QP       |                |                  |        |
| 6   | 571.9750       | 48.01               | -9.13          | 38.88              | 46.00             | -7.12          | QP       |                |                  |        |



# ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Report No.: ATE20162363

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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ding11 #468

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: Test mode 2

Model: SSM-F100

Manufacturer: MAYA

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 2017/02/08

Time: 14:09:16

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 178.7697    | 47.32            | -20.45      | 26.87           | 43.50          | -16.63      | QP       |             |               |        |
| 2   | 258.5334    | 53.06            | -17.64      | 35.42           | 46.00          | -10.58      | QP       |             |               |        |
| 3   | 302.8193    | 50.04            | -15.63      | 34.41           | 46.00          | -11.59      | QP       |             |               |        |
| 4   | 366.0866    | 44.26            | -13.39      | 30.87           | 46.00          | -15.13      | QP       |             |               |        |
| 5   | 484.9068    | 42.71            | -11.14      | 31.57           | 46.00          | -14.43      | QP       |             |               |        |
| 6   | 776.4849    | 33.81            | -4.62       | 29.19           | 46.00          | -16.81      | QP       |             |               |        |

Job No.: ding11 #469

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: Test mode 2

Model: SSM-F100

Manufacturer: MAYA

Polarization: Vertical

Power Source: AC 120V/60Hz

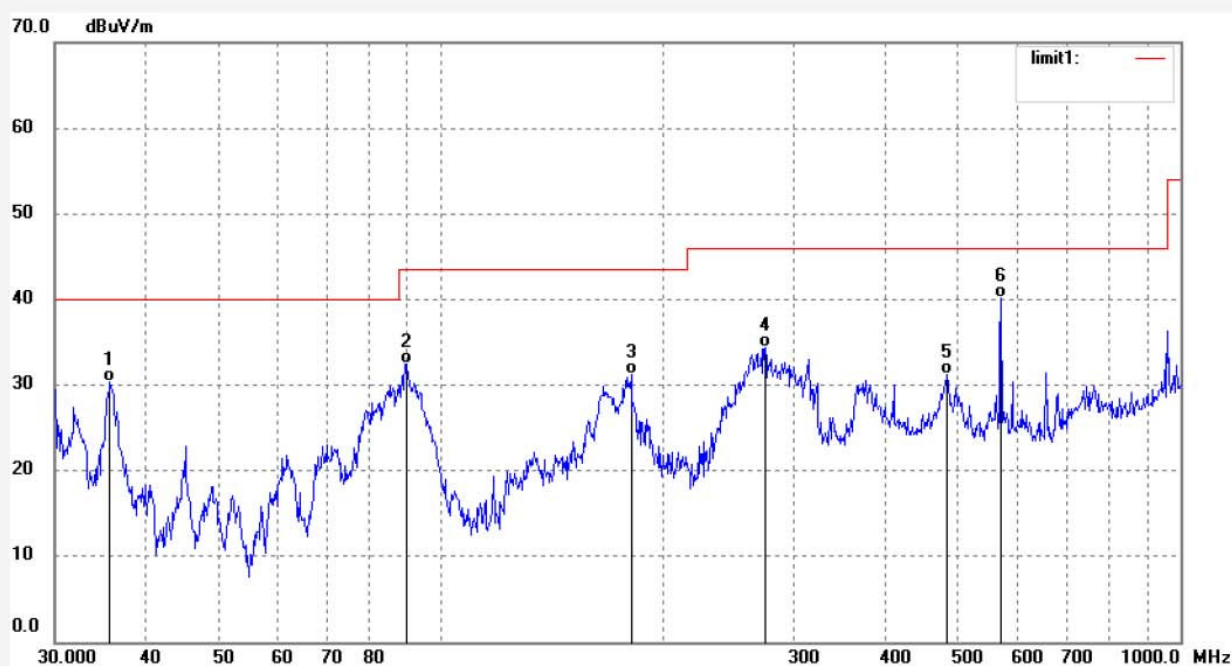
Date: 2017/02/08

Time: 14:10:37

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 35.6362     | 46.63            | -16.22      | 30.41           | 40.00          | -9.59       | QP       |             |               |        |
| 2   | 89.7866     | 54.44            | -21.91      | 32.53           | 43.50          | -10.97      | QP       |             |               |        |
| 3   | 180.6641    | 51.43            | -20.27      | 31.16           | 43.50          | -12.34      | QP       |             |               |        |
| 4   | 274.4464    | 51.24            | -16.92      | 34.32           | 46.00          | -11.68      | QP       |             |               |        |
| 5   | 483.2061    | 42.37            | -11.17      | 31.20           | 46.00          | -14.80      | QP       |             |               |        |
| 6   | 571.9750    | 49.35            | -9.13       | 40.22           | 46.00          | -5.78       | QP       |             |               |        |

Job No.: ding11 #460

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: RJ45 port operation

Model: SSM-F100

Manufacturer: MAYA

Polarization: Horizontal

Power Source: AC 120V/60Hz

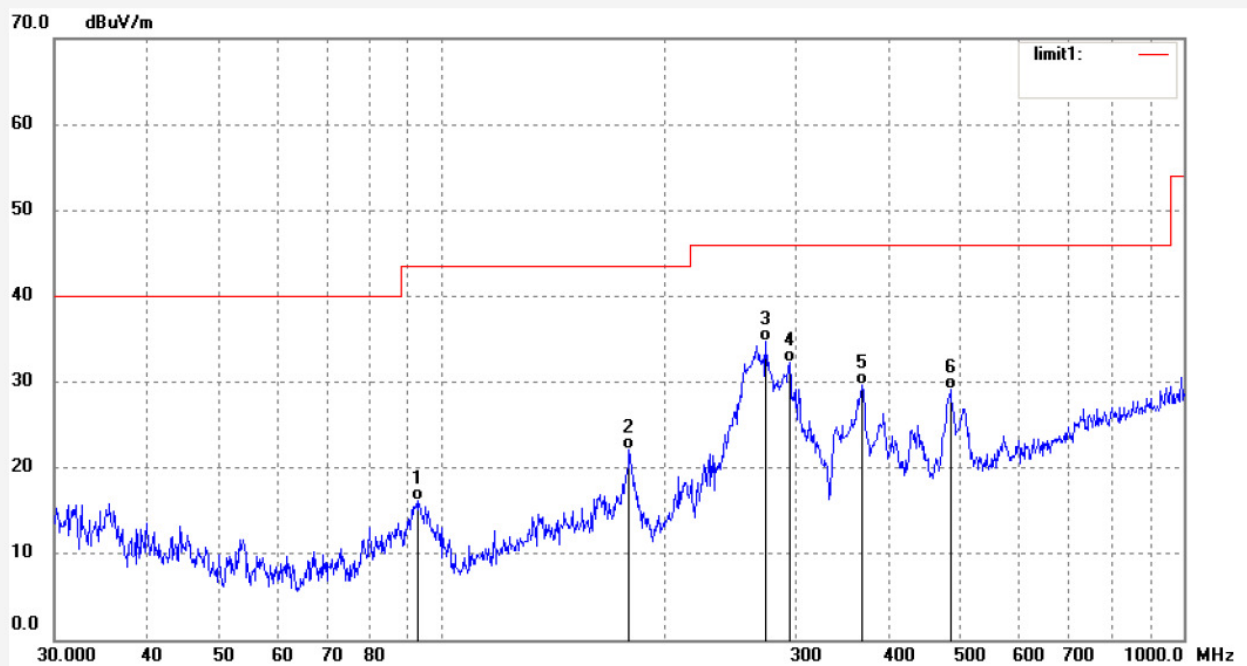
Date: 2017/02/08

Time: 13:58:56

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 92.9974     | 38.09            | -21.92      | 16.17           | 43.50          | -27.33      | QP       |             |               |        |
| 2   | 178.7697    | 42.64            | -20.45      | 22.19           | 43.50          | -21.31      | QP       |             |               |        |
| 3   | 273.4838    | 51.64            | -16.94      | 34.70           | 46.00          | -11.30      | QP       |             |               |        |
| 4   | 294.4260    | 48.29            | -15.95      | 32.34           | 46.00          | -13.66      | QP       |             |               |        |
| 5   | 368.6681    | 43.01            | -13.36      | 29.65           | 46.00          | -16.35      | QP       |             |               |        |
| 6   | 484.9068    | 40.21            | -11.14      | 29.07           | 46.00          | -16.93      | QP       |             |               |        |

Job No.: ding11 #461

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: RJ45 port operation

Model: SSM-F100

Manufacturer: MAYA

Polarization: Vertical

Power Source: AC 120V/60Hz

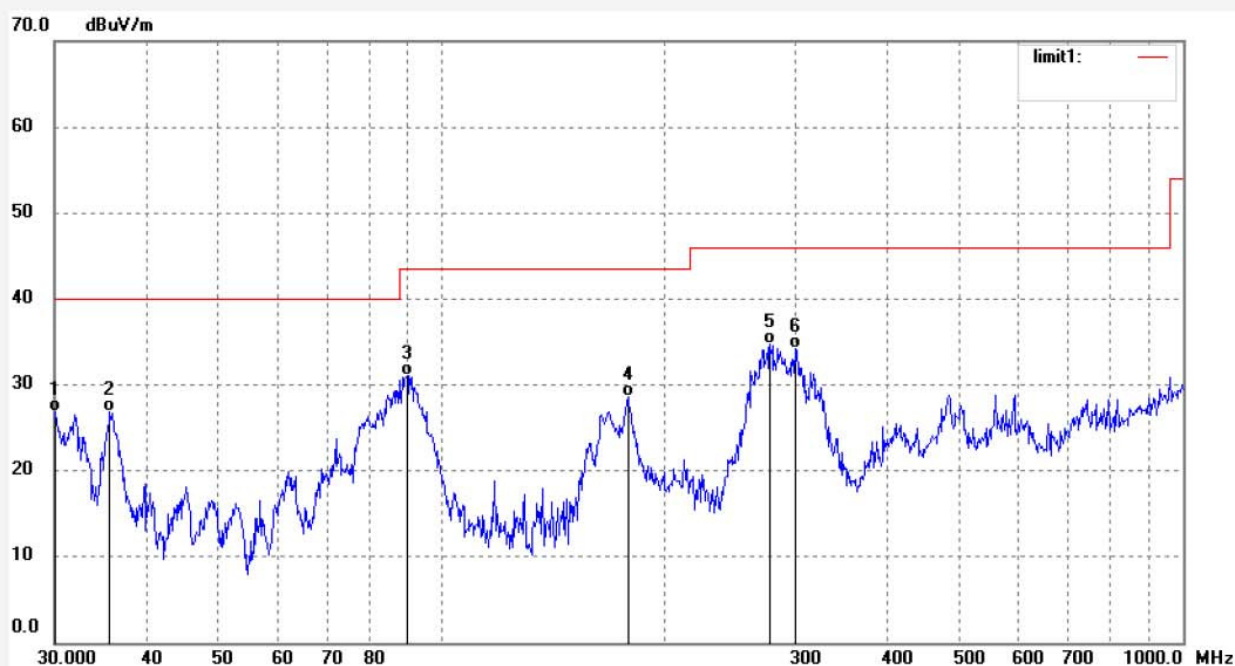
Date: 2017/02/08

Time: 14:00:03

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 30.1056     | 41.62            | -14.73      | 26.89           | 40.00          | -13.11      | QP       |             |               |        |
| 2   | 35.6362     | 43.00            | -16.22      | 26.78           | 40.00          | -13.22      | QP       |             |               |        |
| 3   | 89.7866     | 53.04            | -21.91      | 31.13           | 43.50          | -12.37      | QP       |             |               |        |
| 4   | 178.1426    | 49.15            | -20.51      | 28.64           | 43.50          | -14.86      | QP       |             |               |        |
| 5   | 277.3546    | 51.44            | -16.77      | 34.67           | 46.00          | -11.33      | QP       |             |               |        |
| 6   | 299.6441    | 49.90            | -15.73      | 34.17           | 46.00          | -11.83      | QP       |             |               |        |

Above 1GHz


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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ding11 #450

Standard: FCC PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: Test mode 1

Model: SSM-F100

Manufacturer: MAYA

Polarization: Horizontal

Power Source: AC 120V/60Hz

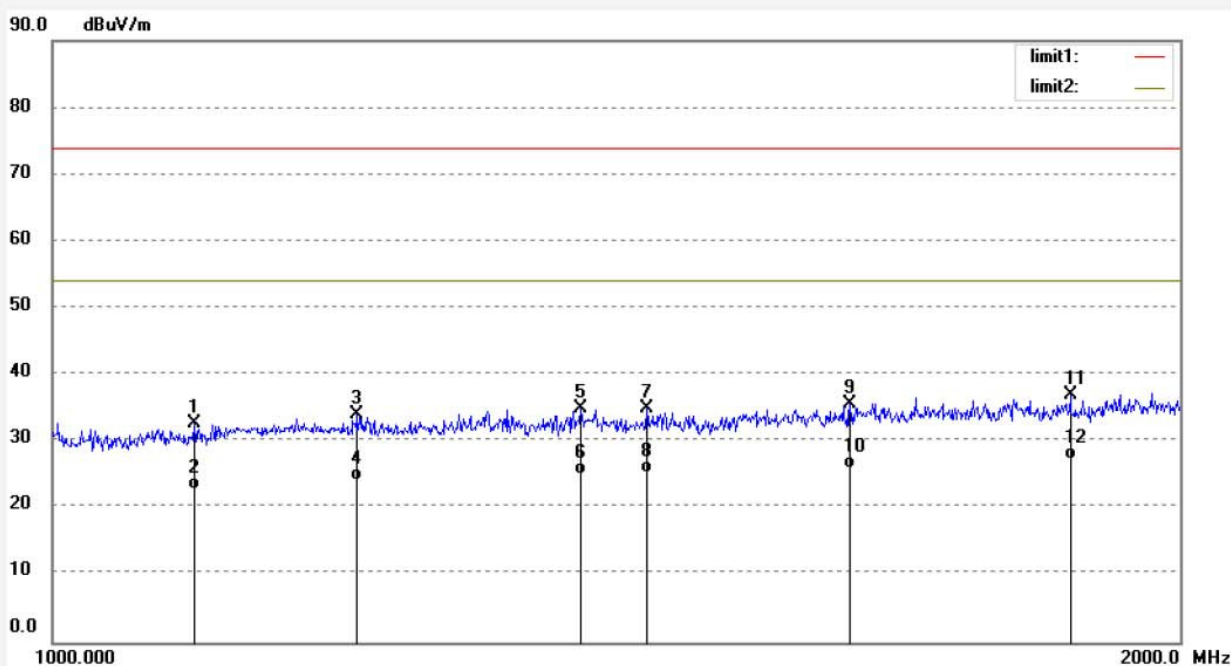
Date: 2017/02/08

Time: 13:35:42

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1091.455    | 43.73            | -11.02      | 32.71           | 74.00          | -41.29      | peak     |             |               |        |
| 2   | 1091.455    | 33.75            | -11.02      | 22.73           | 54.00          | -31.27      | AVG      |             |               |        |
| 3   | 1206.260    | 45.08            | -11.02      | 34.06           | 74.00          | -39.94      | peak     |             |               |        |
| 4   | 1206.260    | 35.29            | -11.02      | 24.27           | 54.00          | -29.73      | AVG      |             |               |        |
| 5   | 1384.090    | 45.46            | -10.57      | 34.89           | 74.00          | -39.11      | peak     |             |               |        |
| 6   | 1384.090    | 35.60            | -10.57      | 25.03           | 54.00          | -28.97      | AVG      |             |               |        |
| 7   | 1440.984    | 45.32            | -10.41      | 34.91           | 74.00          | -39.09      | peak     |             |               |        |
| 8   | 1440.984    | 35.74            | -10.41      | 25.33           | 54.00          | -28.67      | AVG      |             |               |        |
| 9   | 1632.876    | 45.26            | -9.67       | 35.59           | 74.00          | -38.41      | peak     |             |               |        |
| 10  | 1632.876    | 35.61            | -9.67       | 25.94           | 54.00          | -28.06      | AVG      |             |               |        |
| 11  | 1869.698    | 45.60            | -8.61       | 36.99           | 74.00          | -37.01      | peak     |             |               |        |
| 12  | 1869.698    | 35.88            | -8.61       | 27.27           | 54.00          | -26.73      | AVG      |             |               |        |

Job No.: ding11 #451

Standard: FCC PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: Test mode 1

Model: SSM-F100

Manufacturer: MAYA

Polarization: Vertical

Power Source: AC 120V/60Hz

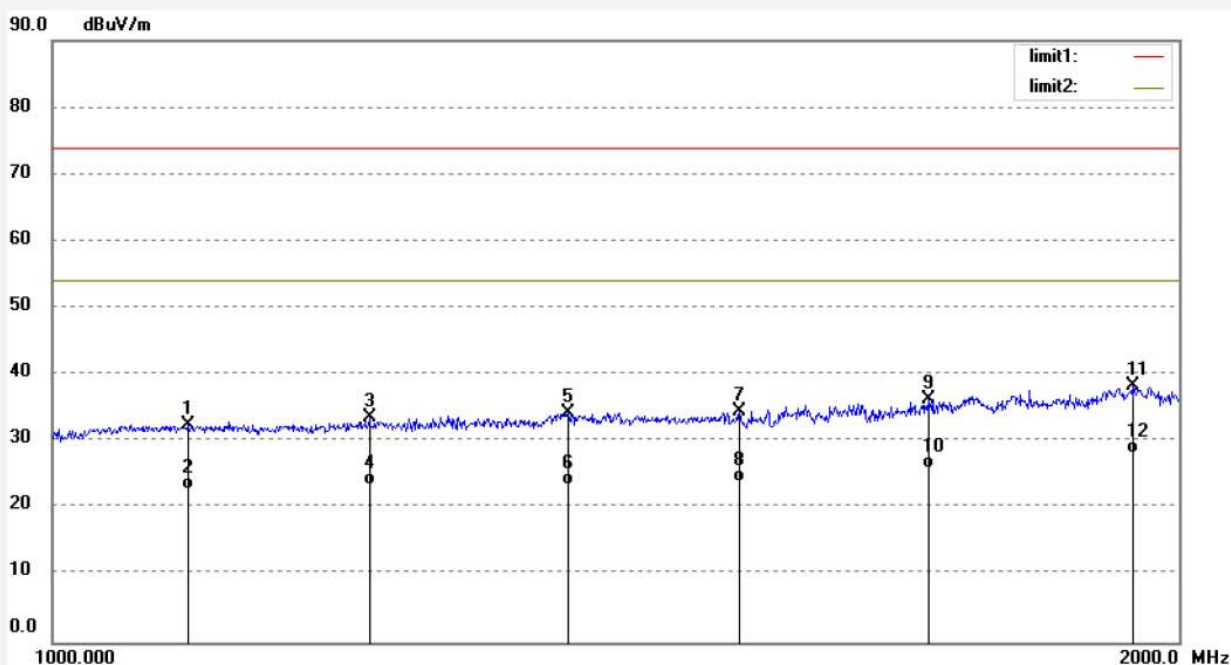
Date: 2017/02/08

Time: 13:37:49

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1087.671       | 43.46               | -11.02         | 32.44              | 74.00             | -41.56         | peak     |                |                  |        |
| 2   | 1087.671       | 33.75               | -11.02         | 22.73              | 54.00             | -31.27         | AVG      |                |                  |        |
| 3   | 1215.511       | 44.54               | -10.98         | 33.56              | 74.00             | -40.44         | peak     |                |                  |        |
| 4   | 1215.511       | 34.59               | -10.98         | 23.61              | 54.00             | -30.39         | AVG      |                |                  |        |
| 5   | 1373.556       | 44.94               | -10.63         | 34.31              | 74.00             | -39.69         | peak     |                |                  |        |
| 6   | 1373.556       | 34.16               | -10.63         | 23.53              | 54.00             | -30.47         | AVG      |                |                  |        |
| 7   | 1526.492       | 44.65               | -10.03         | 34.62              | 74.00             | -39.38         | peak     |                |                  |        |
| 8   | 1526.492       | 33.98               | -10.03         | 23.95              | 54.00             | -30.05         | AVG      |                |                  |        |
| 9   | 1714.223       | 45.56               | -9.19          | 36.37              | 74.00             | -37.63         | peak     |                |                  |        |
| 10  | 1714.223       | 35.24               | -9.19          | 26.05              | 54.00             | -27.95         | AVG      |                |                  |        |
| 11  | 1945.202       | 46.58               | -8.26          | 38.32              | 74.00             | -35.68         | peak     |                |                  |        |
| 12  | 1945.202       | 36.49               | -8.26          | 28.23              | 54.00             | -25.77         | AVG      |                |                  |        |

Job No.: ding11 #453

Standard: FCC PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: Test mode 2

Model: SSM-F100

Manufacturer: MAYA

Polarization: Horizontal

Power Source: AC 120V/60Hz

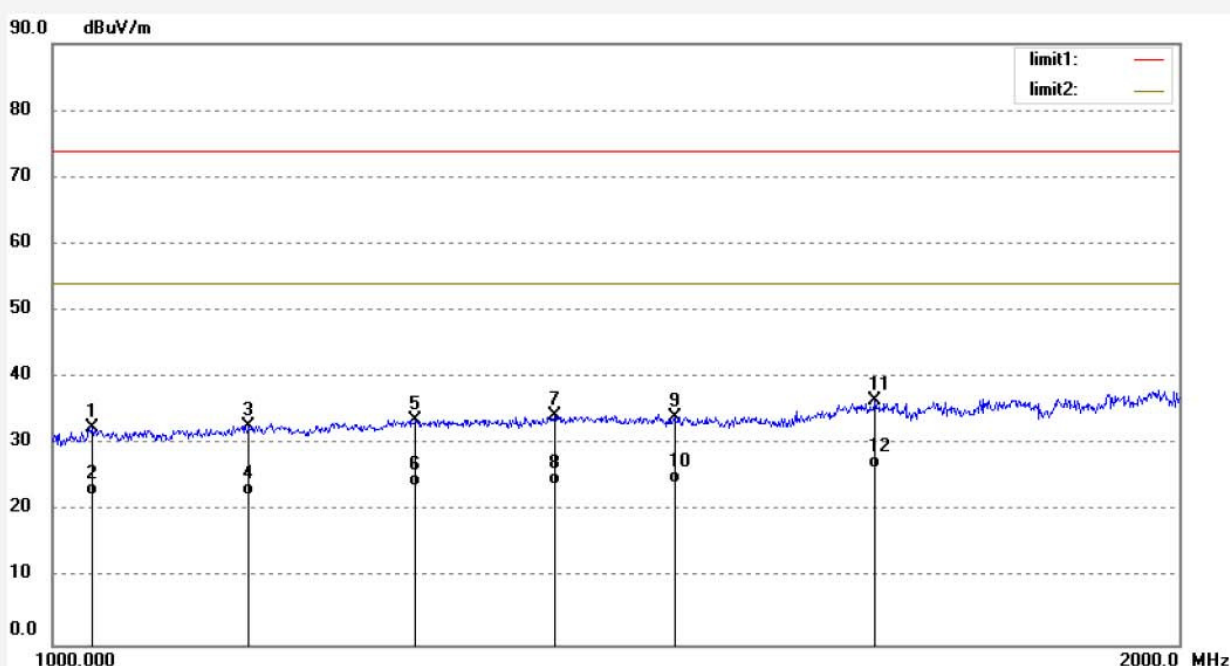
Date: 2017/02/08

Time: 13:40:50

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1024.607    | 43.31            | -10.85      | 32.46           | 74.00          | -41.54      | peak     |             |               |        |
| 2   | 1024.607    | 33.28            | -10.85      | 22.43           | 54.00          | -31.57      | AVG      |             |               |        |
| 3   | 1128.455    | 43.82            | -10.97      | 32.85           | 74.00          | -41.15      | peak     |             |               |        |
| 4   | 1128.455    | 33.46            | -10.97      | 22.49           | 54.00          | -31.51      | AVG      |             |               |        |
| 5   | 1250.622    | 44.42            | -10.85      | 33.57           | 74.00          | -40.43      | peak     |             |               |        |
| 6   | 1250.622    | 34.51            | -10.85      | 23.66           | 54.00          | -30.34      | AVG      |             |               |        |
| 7   | 1362.156    | 44.93            | -10.70      | 34.23           | 74.00          | -39.77      | peak     |             |               |        |
| 8   | 1362.156    | 34.64            | -10.70      | 23.94           | 54.00          | -30.06      | AVG      |             |               |        |
| 9   | 1466.223    | 44.45            | -10.36      | 34.09           | 74.00          | -39.91      | peak     |             |               |        |
| 10  | 1466.223    | 34.59            | -10.36      | 24.23           | 54.00          | -29.77      | AVG      |             |               |        |
| 11  | 1659.169    | 45.96            | -9.49       | 36.47           | 74.00          | -37.53      | peak     |             |               |        |
| 12  | 1659.169    | 35.82            | -9.49       | 26.33           | 54.00          | -27.67      | AVG      |             |               |        |

Job No.: ding11 #452

Standard: FCC PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: Test mode 2

Model: SSM-F100

Manufacturer: MAYA

Polarization: Vertical

Power Source: AC 120V/60Hz

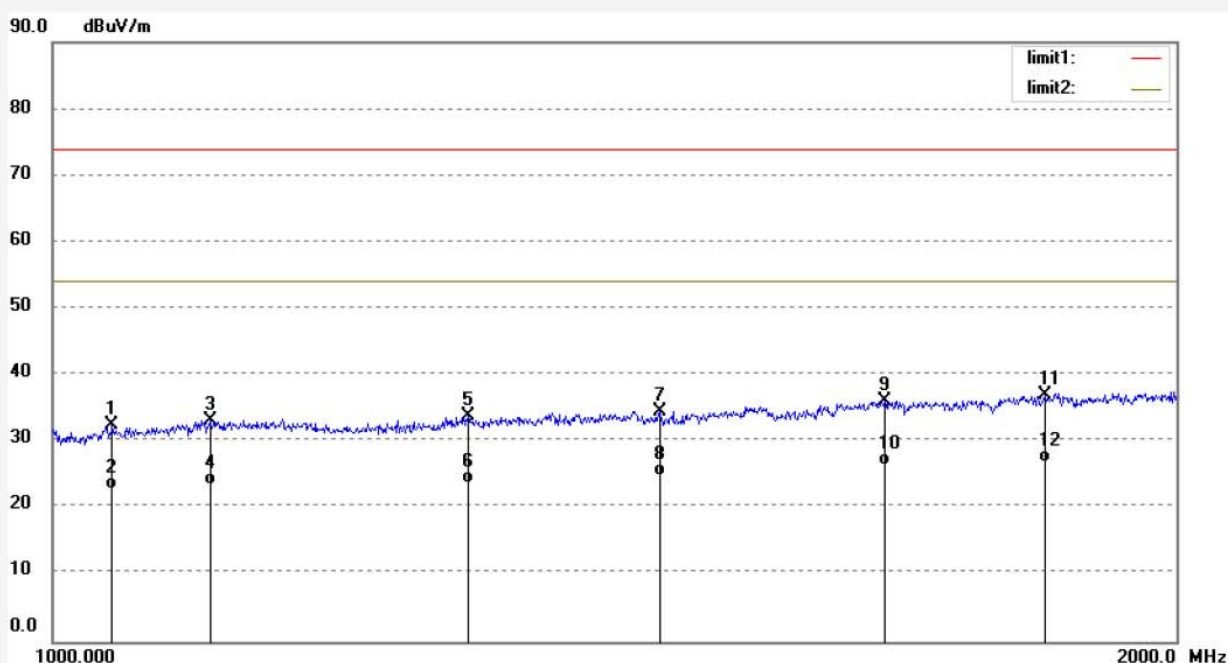
Date: 2017/02/08

Time: 13:39:20

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1037.496    | 43.46            | -10.94      | 32.52           | 74.00          | -41.48      | peak     |             |               |        |
| 2   | 1037.496    | 33.75            | -10.94      | 22.81           | 54.00          | -31.19      | AVG      |             |               |        |
| 3   | 1102.119    | 44.29            | -11.02      | 33.27           | 74.00          | -40.73      | peak     |             |               |        |
| 4   | 1102.119    | 34.61            | -11.02      | 23.59           | 54.00          | -30.41      | AVG      |             |               |        |
| 5   | 1292.120    | 44.60            | -10.78      | 33.82           | 74.00          | -40.18      | peak     |             |               |        |
| 6   | 1292.120    | 34.59            | -10.78      | 23.81           | 54.00          | -30.19      | AVG      |             |               |        |
| 7   | 1454.053    | 45.01            | -10.38      | 34.63           | 74.00          | -39.37      | peak     |             |               |        |
| 8   | 1454.053    | 35.22            | -10.38      | 24.84           | 54.00          | -29.16      | AVG      |             |               |        |
| 9   | 1670.733    | 45.45            | -9.40       | 36.05           | 74.00          | -37.95      | peak     |             |               |        |
| 10  | 1670.733    | 35.78            | -9.40       | 26.38           | 54.00          | -27.62      | AVG      |             |               |        |
| 11  | 1843.907    | 45.52            | -8.58       | 36.94           | 74.00          | -37.06      | peak     |             |               |        |
| 12  | 1843.907    | 35.40            | -8.58       | 26.82           | 54.00          | -27.18      | AVG      |             |               |        |

Job No.: ding11 #459

Standard: FCC PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: RJ45 port operation

Model: SSM-F100

Manufacturer: MAYA

Polarization: Horizontal

Power Source: AC 120V/60Hz

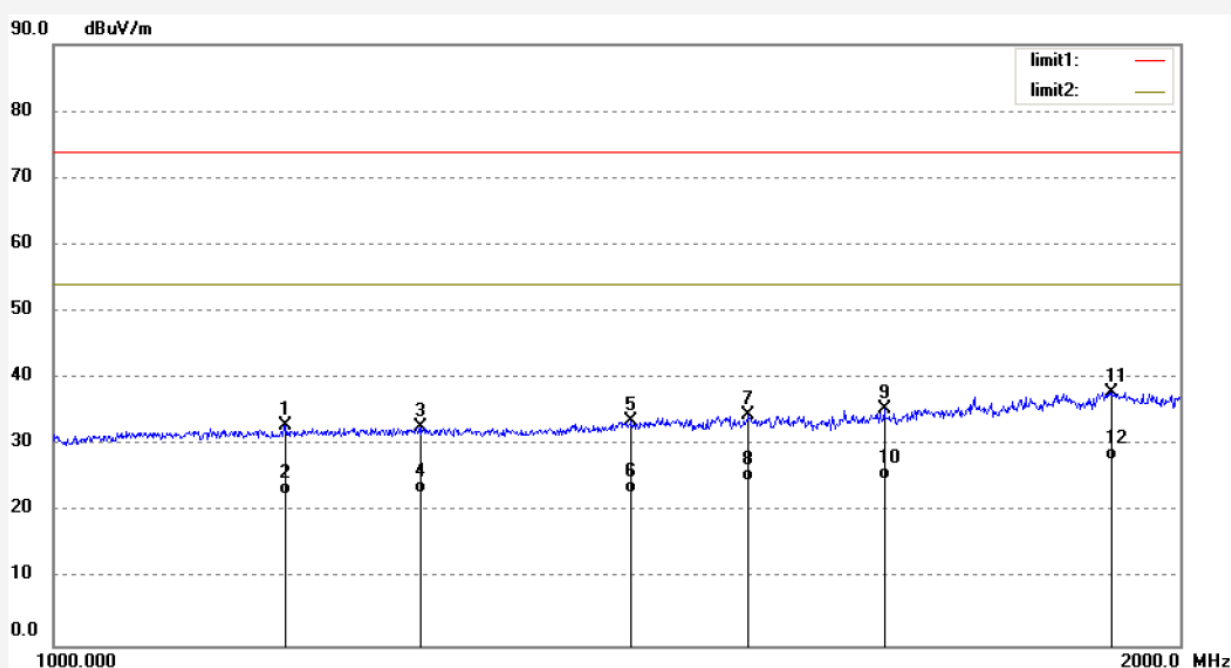
Date: 2017/02/08

Time: 13:54:51

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162363



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1153.816    | 43.89            | -10.94      | 32.95           | 74.00          | -41.05      | peak     |             |               |        |
| 2   | 1153.816    | 33.49            | -10.94      | 22.55           | 54.00          | -31.45      | AVG      |             |               |        |
| 3   | 1254.101    | 43.66            | -10.84      | 32.82           | 74.00          | -41.18      | peak     |             |               |        |
| 4   | 1254.101    | 33.74            | -10.84      | 22.90           | 54.00          | -31.10      | AVG      |             |               |        |
| 5   | 1427.040    | 43.97            | -10.44      | 33.53           | 74.00          | -40.47      | peak     |             |               |        |
| 6   | 1427.040    | 33.19            | -10.44      | 22.75           | 54.00          | -31.25      | AVG      |             |               |        |
| 7   | 1533.932    | 44.49            | -9.96       | 34.53           | 74.00          | -39.47      | peak     |             |               |        |
| 8   | 1533.932    | 34.58            | -9.96       | 24.62           | 54.00          | -29.38      | AVG      |             |               |        |
| 9   | 1667.255    | 44.82            | -9.43       | 35.39           | 74.00          | -38.61      | peak     |             |               |        |
| 10  | 1667.255    | 34.27            | -9.43       | 24.84           | 54.00          | -29.16      | AVG      |             |               |        |
| 11  | 1918.368    | 46.40            | -8.53       | 37.87           | 74.00          | -36.13      | peak     |             |               |        |
| 12  | 1918.368    | 36.42            | -8.53       | 27.89           | 54.00          | -26.11      | AVG      |             |               |        |



# ACCURATE TECHNOLOGY CO., LTD.

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Report No.: ATE20162363

Page 34 of 44

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ding11 #458

Standard: FCC PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: Smart Home Storage

Mode: RJ45 port operation

Model: SSM-F100

Manufacturer: MAYA

Polarization: Vertical

Power Source: AC 120V/60Hz

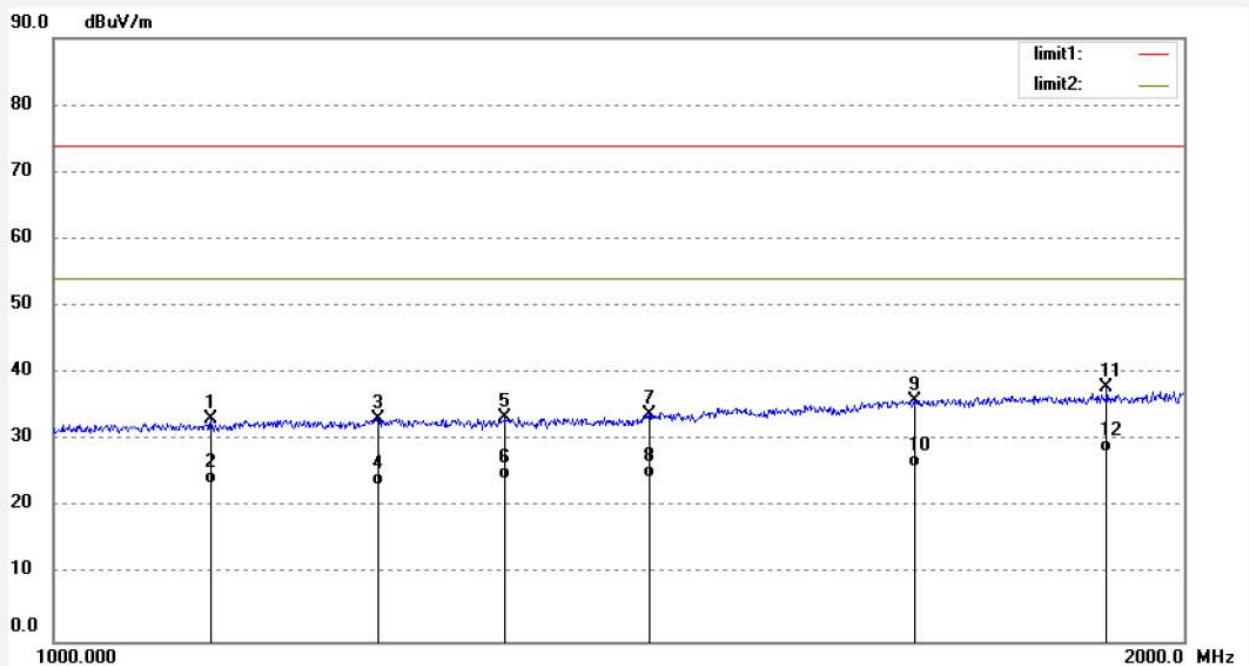
Date: 2017/02/08

Time: 13:52:36

Engineer Signature: DING

Distance: 3m

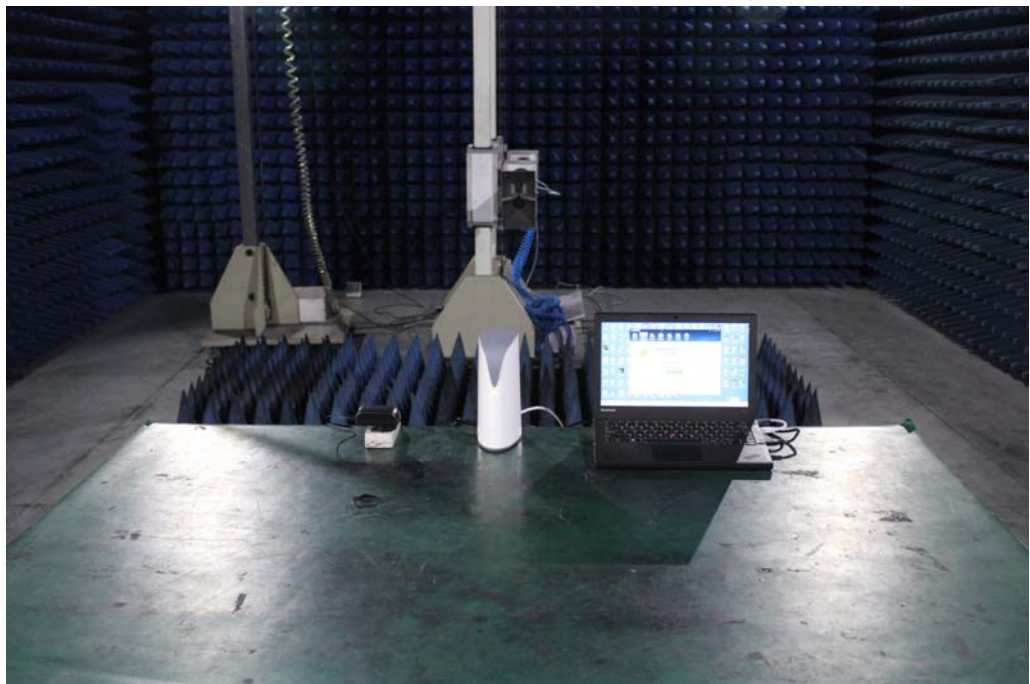
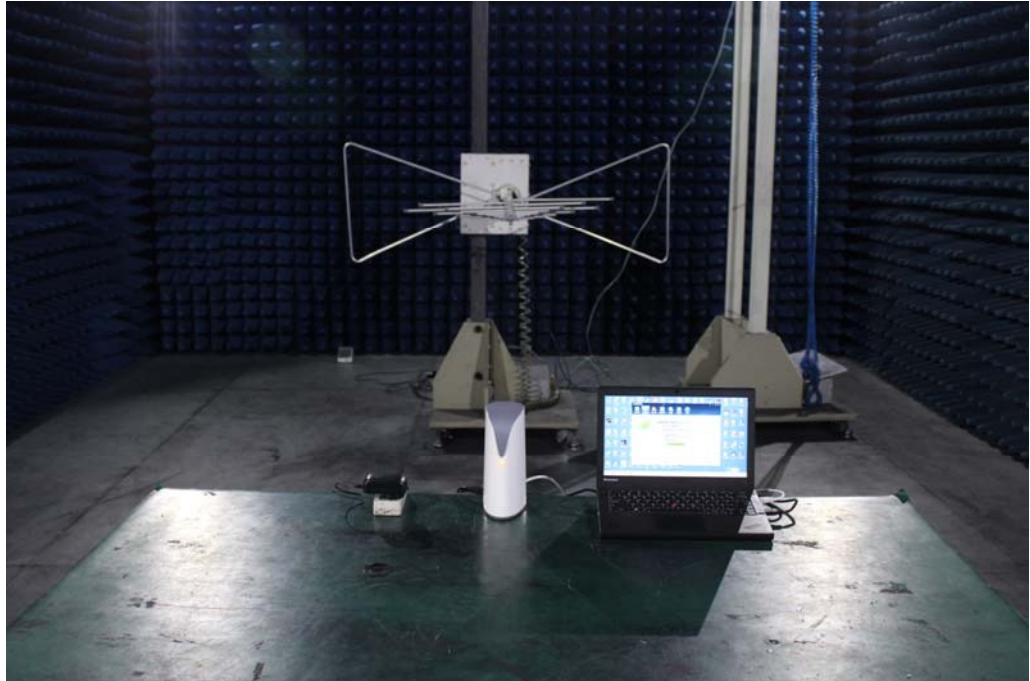
Note: Report NO:ATE20162363



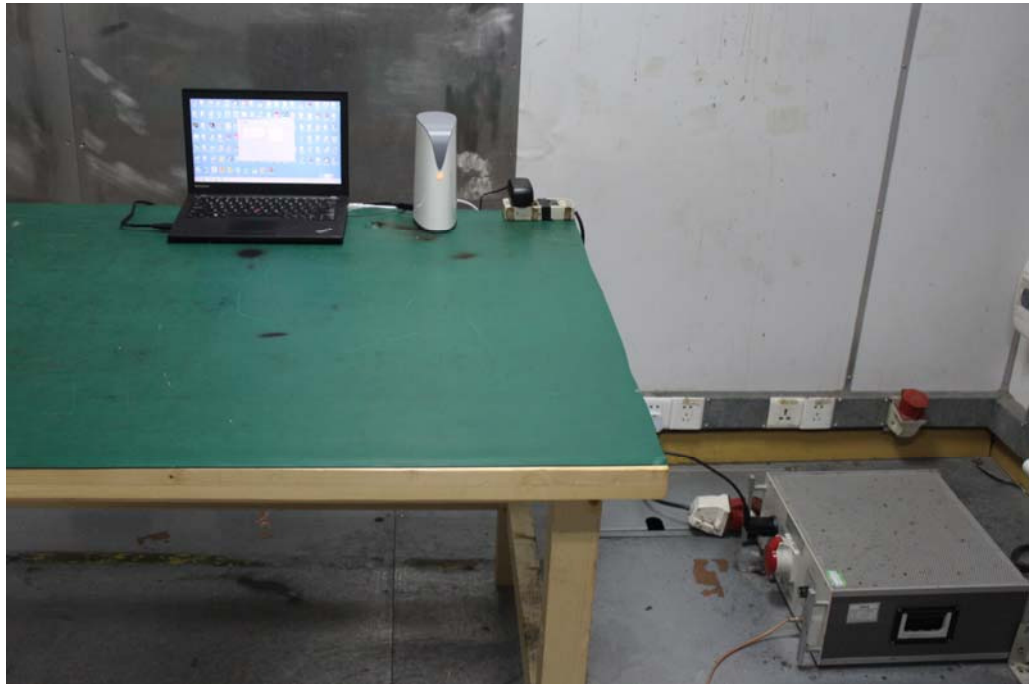
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1101.354    | 44.14            | -11.02      | 33.12           | 74.00          | -40.88      | peak     |             |               |        |
| 2   | 1101.354    | 34.59            | -11.02      | 23.57           | 54.00          | -30.43      | AVG      |             |               |        |
| 3   | 1220.587    | 44.06            | -10.96      | 33.10           | 74.00          | -40.90      | peak     |             |               |        |
| 4   | 1220.587    | 34.25            | -10.96      | 23.29           | 54.00          | -30.71      | AVG      |             |               |        |
| 5   | 1319.325    | 44.10            | -10.76      | 33.34           | 74.00          | -40.66      | peak     |             |               |        |
| 6   | 1319.325    | 35.01            | -10.76      | 24.25           | 54.00          | -29.75      | AVG      |             |               |        |
| 7   | 1440.984    | 44.37            | -10.41      | 33.96           | 74.00          | -40.04      | peak     |             |               |        |
| 8   | 1440.984    | 34.77            | -10.41      | 24.36           | 54.00          | -29.64      | AVG      |             |               |        |
| 9   | 1695.279    | 45.19            | -9.20       | 35.99           | 74.00          | -38.01      | peak     |             |               |        |
| 10  | 1695.279    | 35.12            | -9.20       | 25.92           | 54.00          | -28.08      | AVG      |             |               |        |
| 11  | 1907.739    | 46.49            | -8.64       | 37.85           | 74.00          | -36.15      | peak     |             |               |        |
| 12  | 1907.739    | 36.85            | -8.64       | 28.21           | 54.00          | -25.79      | AVG      |             |               |        |

## 6. PHOTOGRAPHS

### 6.1.Photos of Radiated Emission Measurement



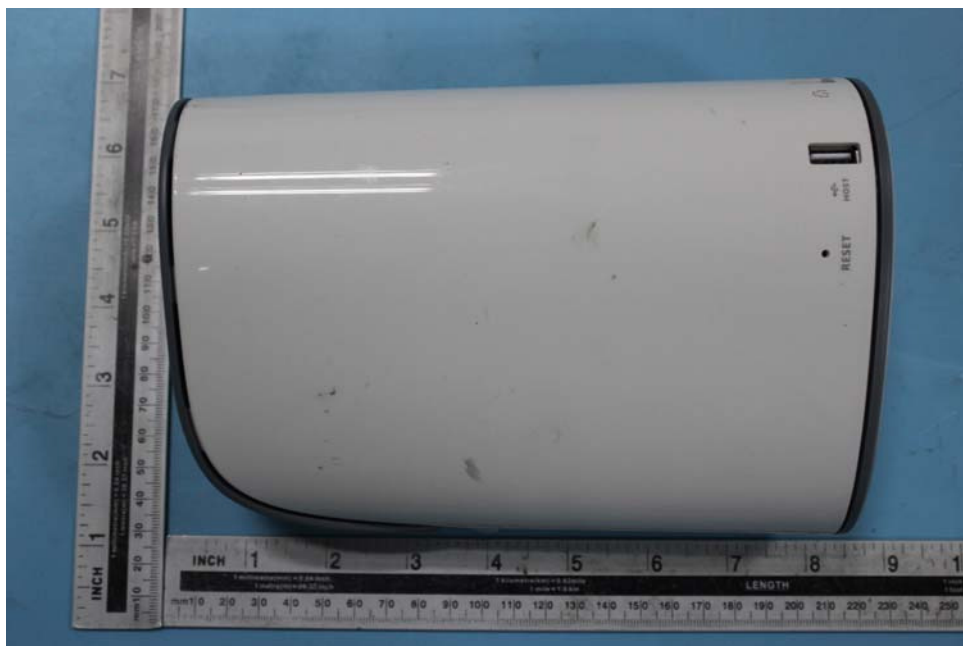
## 6.2.Photo of Conducted Emission Measurement

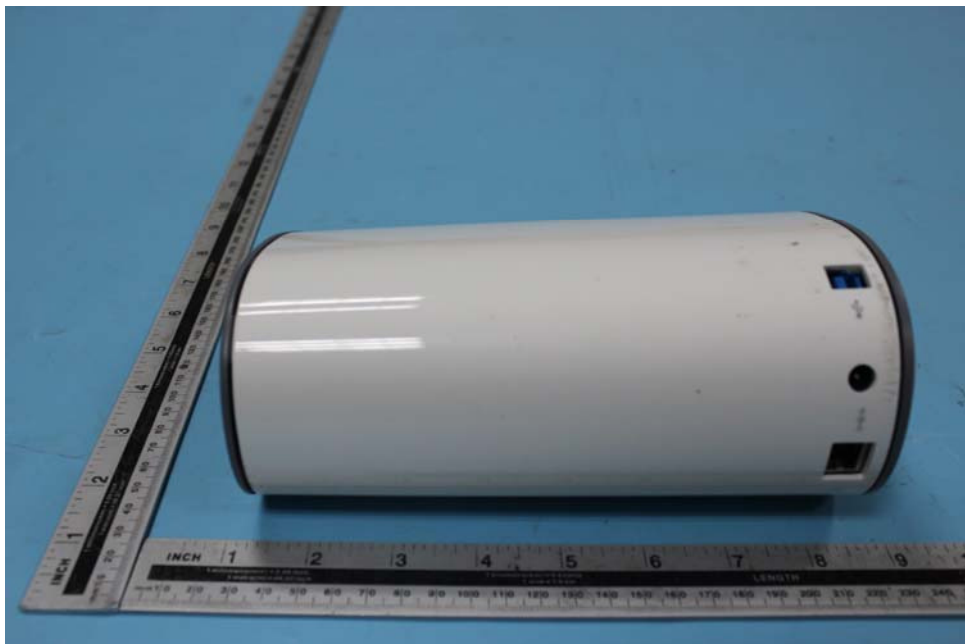


## 6.3.Photo of EUT

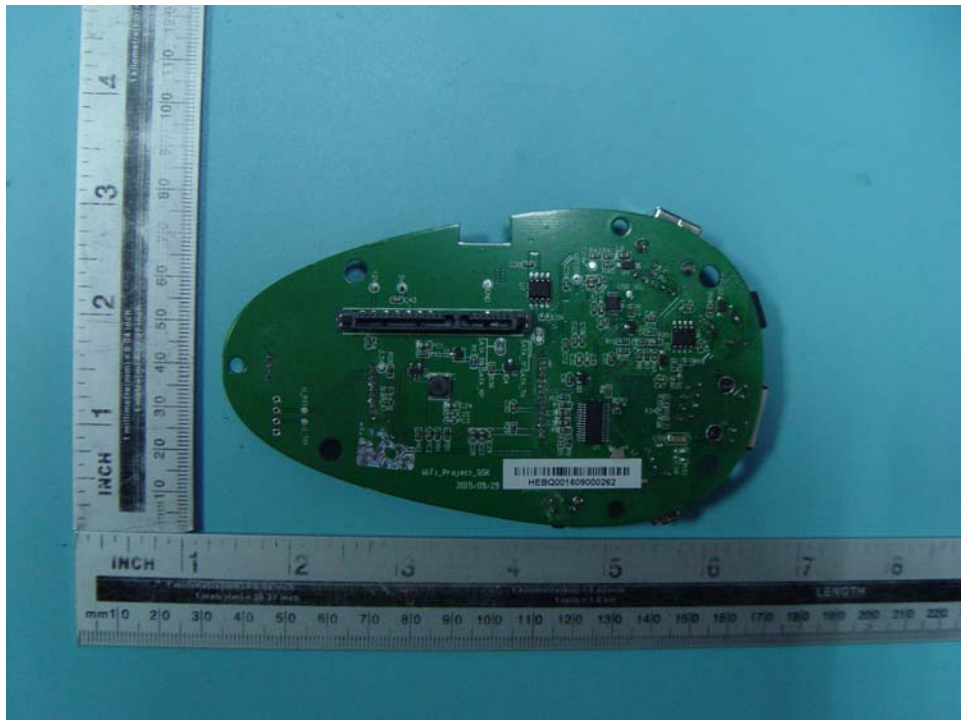


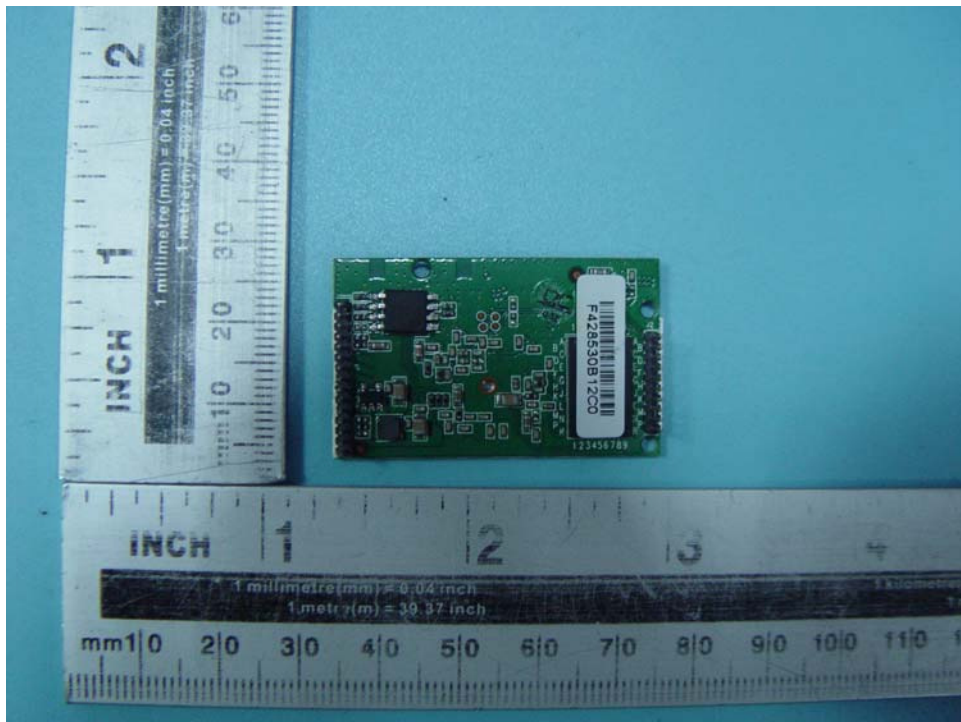
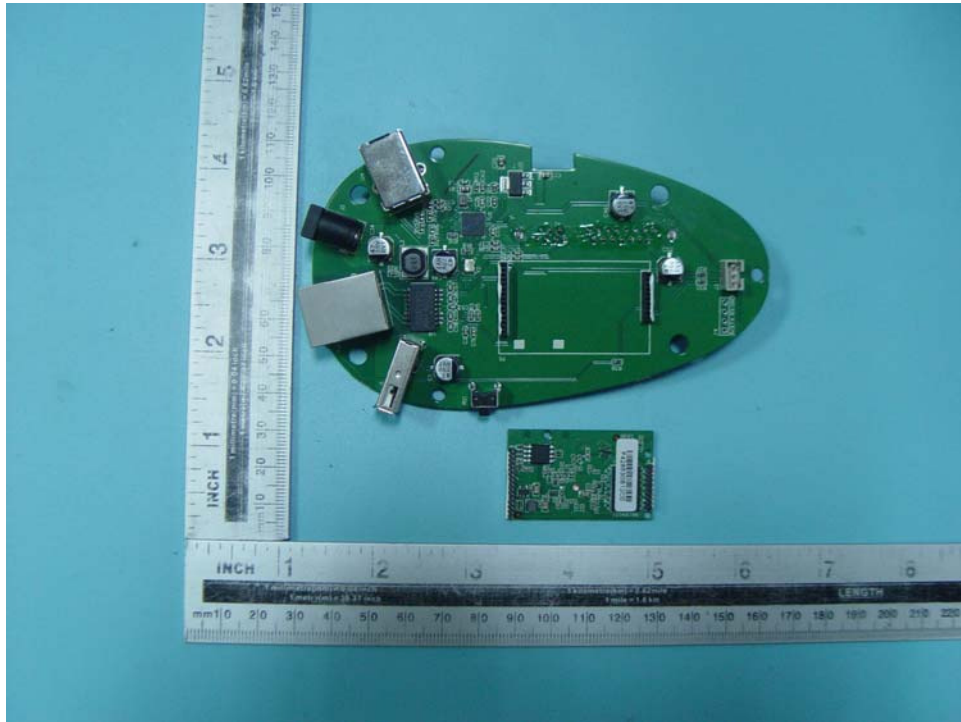


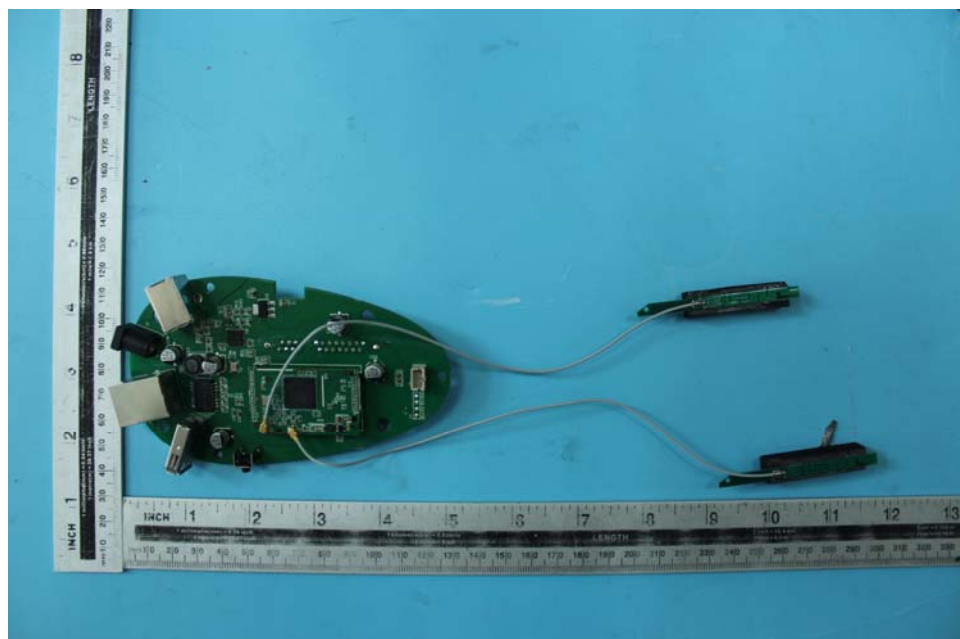
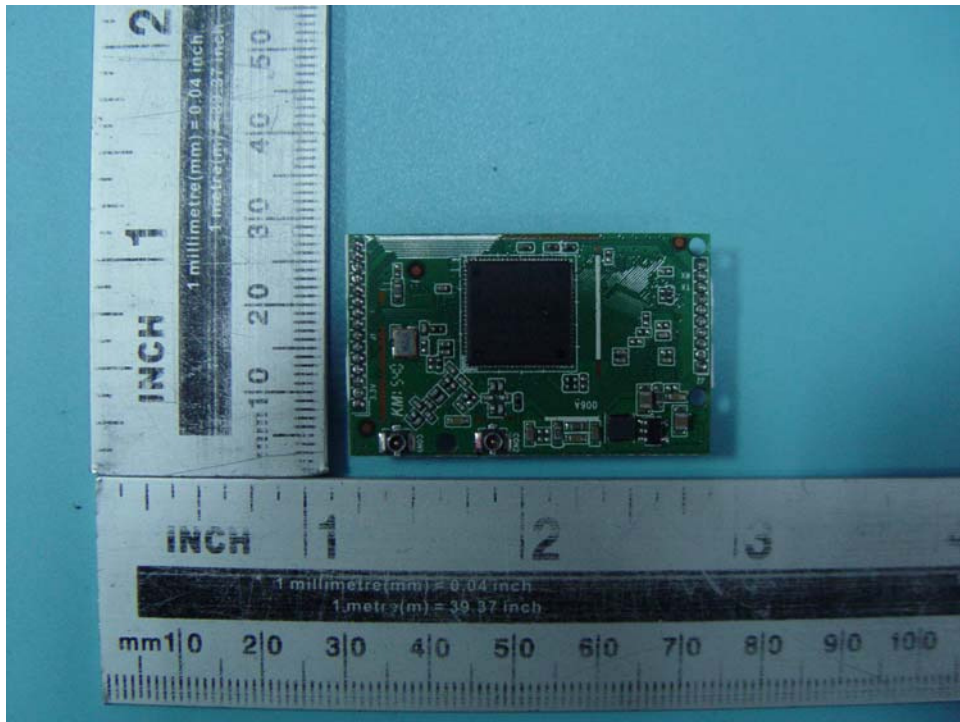














\*\*\*\*\* End of Test Report \*\*\*\*\*