

# FCC Test Report

**APPLICANT** : Sony Mobile Communications Inc.  
**EQUIPMENT** : Wireless Headset  
**BRAND NAME** : Sony  
**FCC ID** : PY7-37030I  
**STANDARD** : FCC Part 15 Subpart C  
**CLASSIFICATION** : Low Power Communication Device Transmitter (DXX)

The product was received on Oct. 06, 2017 and completely tested on Nov. 13, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.



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Reviewed by: Joseph Lin / Supervisor



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Approved by: Jones Tsai / Manager



## **SPORTON INTERNATIONAL INC.**

**No. 52, Hwa Ya 1<sup>st</sup> Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.**

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SPORTON INTERNATIONAL INC.

TEL : 886-3-327-3456

FAX : 886-3-328-4978

FCC ID : PY7-37030I

Page Number : 1 of 20

Report Issued Date : Jan. 16, 2018

Report Version : Rev. 03

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## Revision History

| REPORT NO.  | VERSION | DESCRIPTION                                                                                 | ISSUED DATE   |
|-------------|---------|---------------------------------------------------------------------------------------------|---------------|
| FR7O0619-01 | Rev. 01 | Initial issue of report                                                                     | Jan. 04, 2018 |
| FR7O0619-01 | Rev. 02 | Revising the test description in section 2.1 and 3.2.7, and add accessories in section 2.3. | Jan. 09, 2018 |
| FR7O0619-01 | Rev. 03 | Add test panels description in section 2.1 and remove support equipment test data.          | Jan. 16, 2018 |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |
|             |         |                                                                                             |               |

## SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description            | Limit             | Result | Remark                                    |
|----------------|----------|------------------------|-------------------|--------|-------------------------------------------|
| 3.1            | 2.1049   | 20dB Bandwidth         | -                 | -      | Reporting Only                            |
| 3.1            | -        | 99% Occupied Bandwidth | -                 | -      | Reporting Only                            |
| 3.2            | 15.209   | Radiated Emission      | 15.209(a)         | Pass   | Under limit<br>10.50 dB at<br>953.800 MHz |
| 3.3            | 15.203   | Antenna Requirements   | Non Standard Type | Pass   | -                                         |

**Remark:** The FR7O0619-01 report test data referred to the FR7O0620-01C report.

## 1. General Description

### 1.1. Applicant

**Sony Mobile Communications Inc.**

4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan

### 1.2. Manufacturer

**Sony Mobile Communications Inc.**

4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan

### 1.3. Feature of Equipment Under Test

10.579 MHz

| Product Specification subjective to this standard |              |
|---------------------------------------------------|--------------|
| Antenna Type                                      | Coil Antenna |

| EUT Information List |            |     |                                                        |
|----------------------|------------|-----|--------------------------------------------------------|
| HW Version           | SW Version | S/N | Performed Test Item                                    |
| A                    | 0.0.26     | N/A | RF conducted measurement<br>Radiated Spurious Emission |

### 1.4. Product Specification of Equipment Under Test

| Standards-related Product Specification |           |
|-----------------------------------------|-----------|
| Tx/Rx Frequency Range                   | 10.579MHz |
| Channel Number                          | 1         |
| Type of Modulation                      | ADPCM     |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

### 1.5. Modification of EUT

No modifications are made to the EUT during all test items.

## 1.6. Test Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

|                    |                                                                                                                                                                  |           |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Test Site          | SPORTON INTERNATIONAL INC.                                                                                                                                       |           |
| Test Site Location | No. 52, Hwa Ya 1 <sup>st</sup> Rd., Hwa Ya Technology Park,<br>Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |           |
| Test Site No.      | Sporton Site No.                                                                                                                                                 |           |
|                    | TH03-HY                                                                                                                                                          | 03CH07-HY |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

## 1.7. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C
- ANSI C63.10-2013

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

## 2. Test Configuration of Equipment Under Test

### 2.1. Test Mode

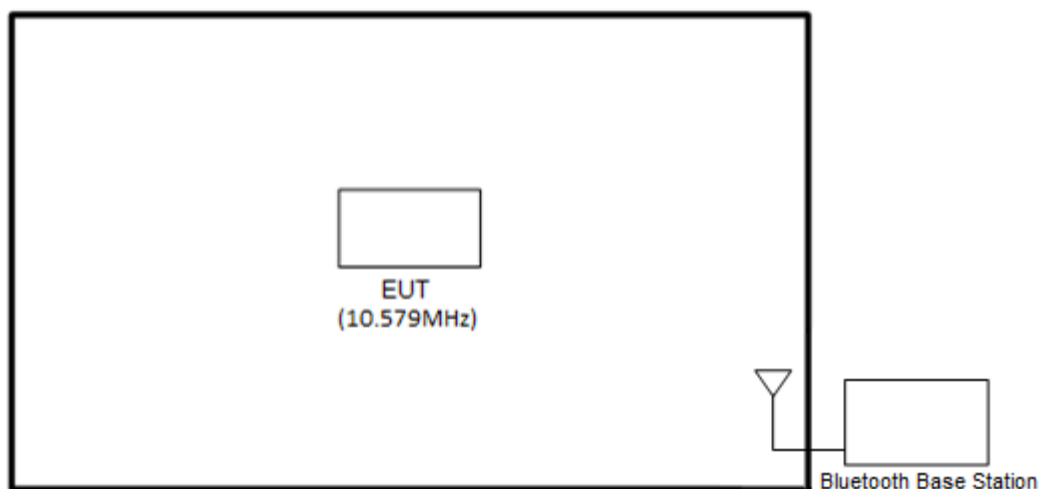
The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: radiation (9 kHz to the 1000MHz).

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report,

| Test Items                                                                                                                                                                                       | Function Type                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Radiated Emission                                                                                                                                                                                | Mode 1: 10.579 MHz Link with between the EUT and support equipment |
| <b>Remark:</b> For radiated emission test items, Bluetooth base station link with the support equipment which connects with the EUT using the 10.579 MHz technology for continuous transmitting. |                                                                    |

### 2.2. Connection Diagram of Test System



**Note:** Bluetooth base station is only use support equipment for 10.579 MHz link

### 2.3. Support Unit used in test configuration and system

| Item | Equipment              | Trade Name | Model Name | FCC ID     | Data Cable | Power Cord        |
|------|------------------------|------------|------------|------------|------------|-------------------|
| 1.   | Bluetooth Base Station | R&S        | CBT32      | N/A        | N/A        | Unshielded, 1.8 m |
| 2.   | Wireless Headset       | Sony       | N/A        | PY7-13007N | N/A        | N/A               |

### 3. Test Result

#### 3.1. 20dB and 99% Occupied Bandwidth Measurement

##### 3.1.1 Limit of 20dB and 99% Occupied Bandwidth

Reporting only

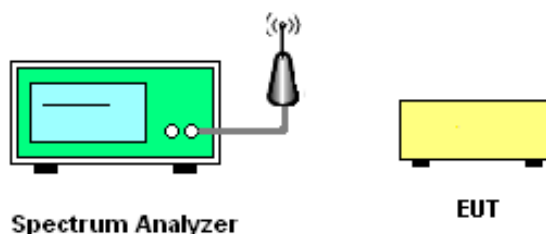
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedures

1. The 20dB bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT in peak Max hold mode.
2. Use the following spectrum analyzer settings for 99 % Bandwidth measurement.
3. For Bandwidth measurement, the RBW= 10kHz, and VBW = 30kHz. Sweep = 20ms;
4. Measure and record the results in the test report.

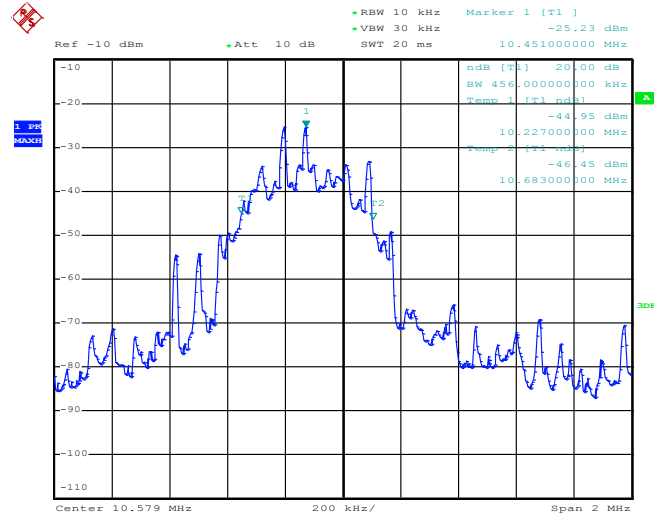
##### 3.1.4 Test Setup



### 3.1.5 Test Result of 20dB and 99% Bandwidth

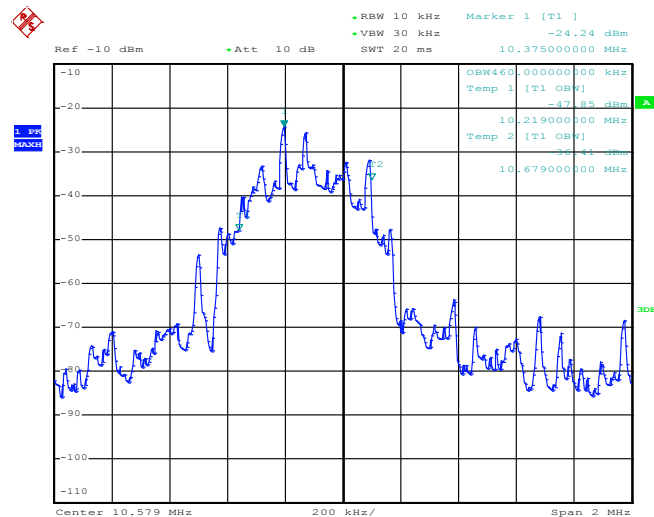
|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Engineer : | Bill Kuo | Temperature :       | 25~26°C |
|                 |          | Relative Humidity : | 45~48%  |

**20 dB Bandwidth Plot**



Date: 27.OCT.2017 09:54:17

**99% Occupied Bandwidth Plot**



Date: 27.OCT.2017 09:57:20

## 3.2. Radiated Emission

### 3.2.1. Limit of Radiated Emission

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------------------|
| 0.009 – 0.490      | 2400/F(kHz)                          | 300                              |
| 0.490 – 1.705      | 24000/F(kHz)                         | 30                               |
| 1.705 – 30.0       | 30                                   | 30                               |
| 30 – 88            | 100                                  | 3                                |
| 88 – 216           | 150                                  | 3                                |
| 216 - 960          | 200                                  | 3                                |
| Above 960          | 500                                  | 3                                |

### 3.2.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.2.3. Measuring Instrument Setting

The following table is the setting of receiver.

| Receiver Parameter             | Setting             |
|--------------------------------|---------------------|
| Attenuation                    | Auto                |
| Frequency Range: 9kHz~150kHz   | RBW 200Hz for QP    |
| Frequency Range: 150kHz~30MHz  | RBW 9kHz for QP     |
| Frequency Range: 30MHz~1000MHz | RBW 120kHz for Peak |

**Note:** The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

### **3.2.4. Test Procedures**

#### **<9kHz-30MHz>**

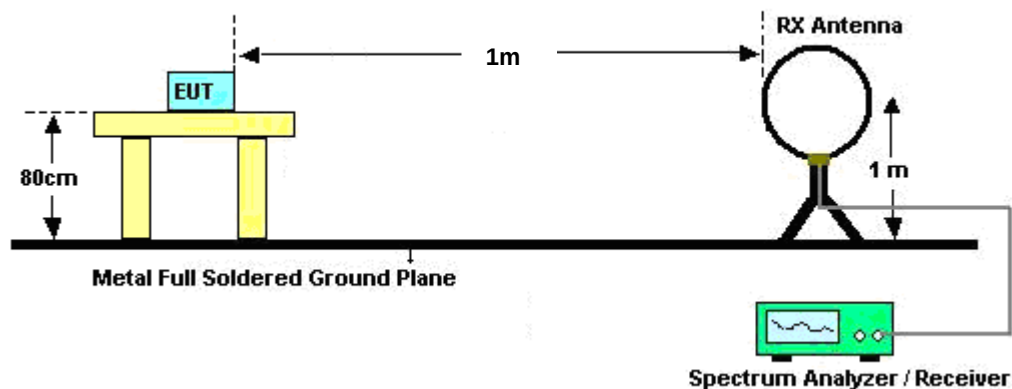
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the loop receiving antenna mounted antenna tower was placed 1 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the receiving antenna was fixed at one meter above ground to find the maximum emissions field strength.
4. For emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver.
5. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

**<30MHz-1GHz>**

1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

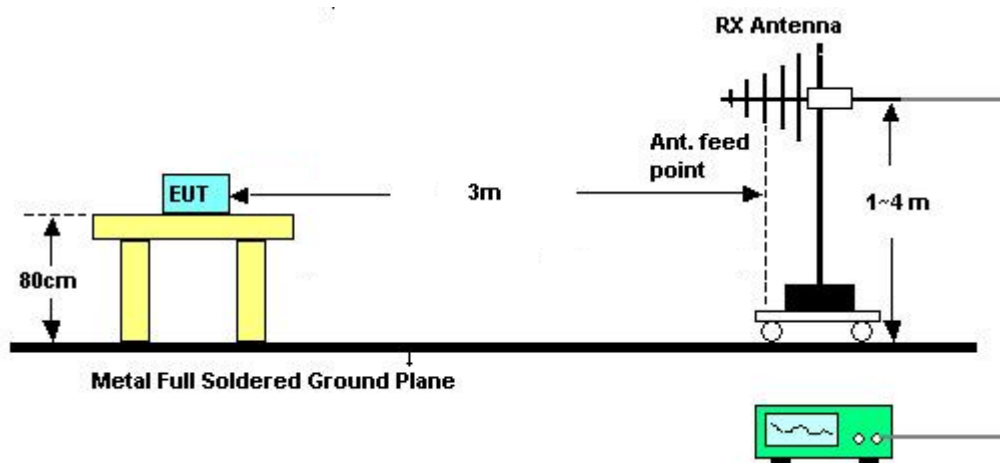
### 3.2.5. Test Setup of Radiated Emission

For radiated emissions below 30MHz



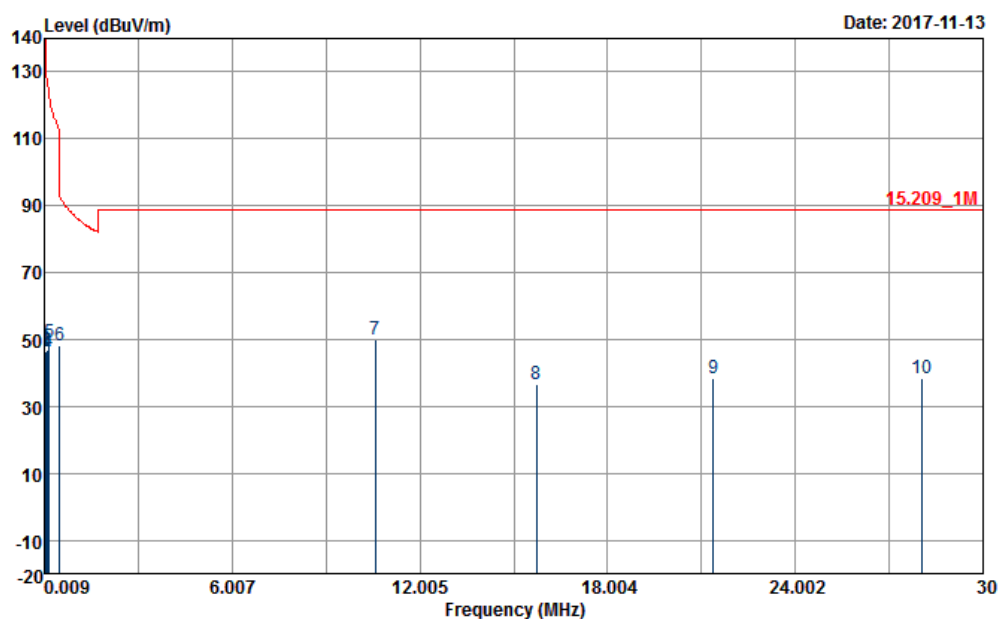
**Note:** There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

For radiated emissions above 30MHz



**3.2.6. Test Result of Radiated Emission (9kHz ~ 30MHz)**

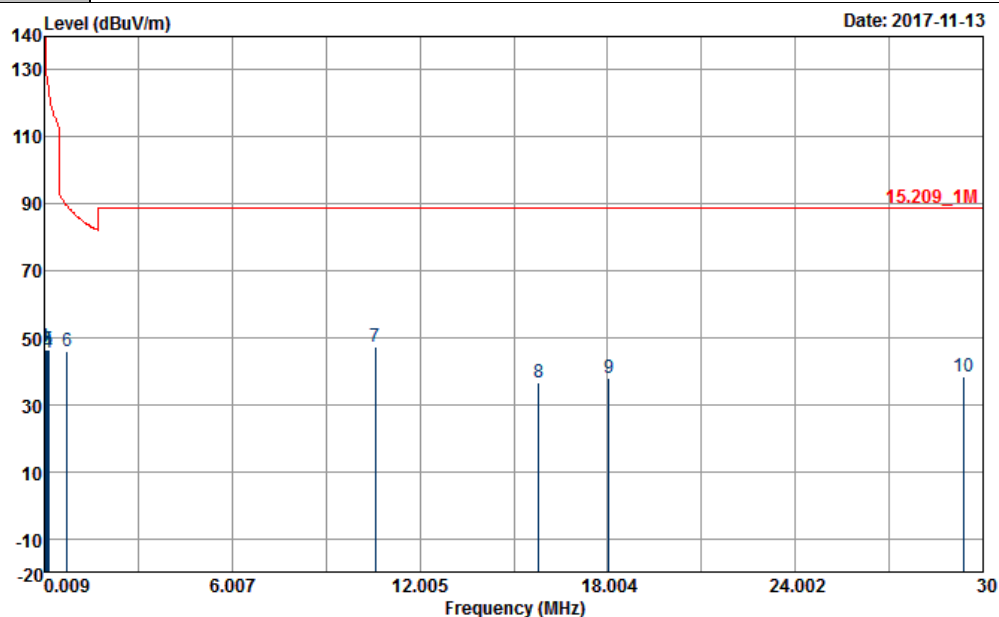
|                        |                                                            |                            |            |
|------------------------|------------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | Mode 1                                                     | <b>Temperature :</b>       | 22~24°C    |
| <b>Test Engineer :</b> | Jesse Wang and Stan Hsieh                                  | <b>Relative Humidity :</b> | 51~53%     |
| <b>Test Distance :</b> | 1m                                                         | <b>Polarization :</b>      | Horizontal |
| <b>Function Type :</b> | 10.579 MHz Link with between the EUT and support equipment |                            |            |
| <b>Remark:</b>         | #7 is fundamental signal.                                  |                            |            |



Site : 03CH07-HY  
 Condition : 15.209\_1M 3m LOOP-ANT(H)100488 HORIZONTAL  
 Project : 7o0619-01  
 Mode : 1

|    | Freq  | Level  | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Cable Loss | A/Pos | T/Pos | Remark  |
|----|-------|--------|------------|------------|-------------------|--------------|------------|-------|-------|---------|
|    | MHz   | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m         | dB         | cm    | deg   |         |
| 1  | 0.01  | 47.69  | -98.65     | 146.34     | 26.92             | 20.05        | 0.72       | ---   | ---   | Average |
| 2  | 0.06  | 46.53  | -84.29     | 130.82     | 25.75             | 20.06        | 0.72       | ---   | ---   | Average |
| 3  | 0.09  | 46.90  | -80.48     | 127.38     | 26.17             | 20.01        | 0.72       | ---   | ---   | QP      |
| 4  | 0.13  | 46.47  | -77.82     | 124.29     | 25.75             | 20.00        | 0.72       | ---   | ---   | Average |
| 5  | 0.15  | 48.89  | -74.13     | 123.02     | 28.18             | 19.99        | 0.72       | ---   | ---   | Average |
| 6  | 0.49  | 48.00  | -44.88     | 92.88      | 27.31             | 19.97        | 0.72       | ---   | ---   | QP      |
| 7  | 10.58 | 50.02  | -38.56     | 88.58      | 29.18             | 20.12        | 0.72       | ---   | ---   | QP      |
| 8  | 15.74 | 36.78  | -51.80     | 88.58      | 15.89             | 20.17        | 0.72       | ---   | ---   | QP      |
| 9  | 21.39 | 38.26  | -50.32     | 88.58      | 16.08             | 20.47        | 1.71       | ---   | ---   | QP      |
| 10 | 28.06 | 38.56  | -50.02     | 88.58      | 16.59             | 20.26        | 1.71       | 100   | 0     | QP      |

|                        |                                                            |                            |          |
|------------------------|------------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | Mode 1                                                     | <b>Temperature :</b>       | 22~24°C  |
| <b>Test Engineer :</b> | Jesse Wang and Stan Hsieh                                  | <b>Relative Humidity :</b> | 51~53%   |
| <b>Test Distance :</b> | 1m                                                         | <b>Polarization :</b>      | Vertical |
| <b>Function Type :</b> | 10.579 MHz Link with between the EUT and support equipment |                            |          |
| <b>Remark:</b>         | #7 is fundamental signal.                                  |                            |          |

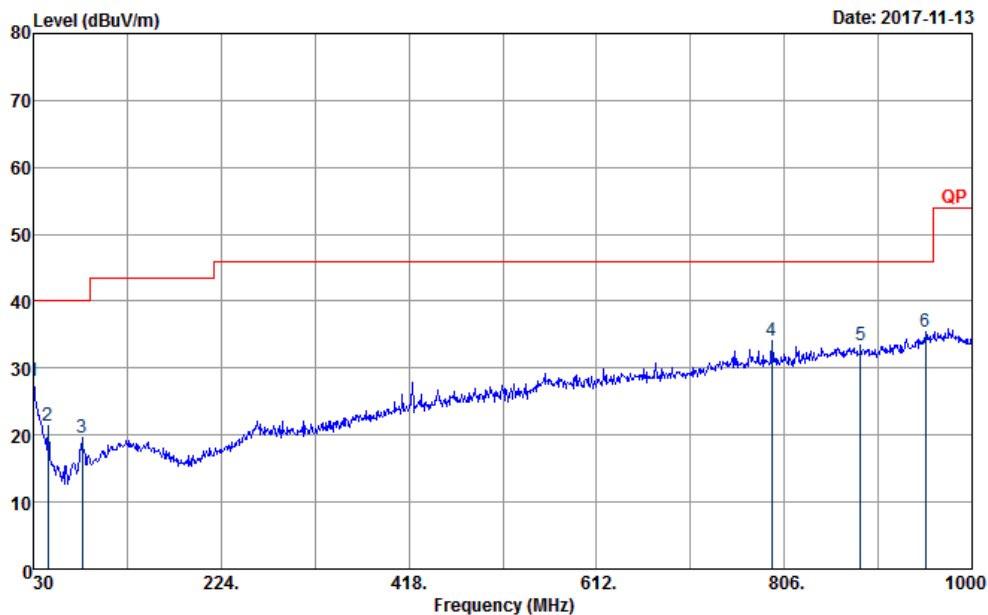


Site : 03CH07-HY  
 Condition : 15.209\_1M 3m LOOP-ANT(V)100488 VERTICAL  
 Project : 7o0619-01  
 Mode : 1

|    | Freq  | Level  | Over    | Limit  | ReadAntenna | Cable  | A/Pos | T/Pos | Remark  |
|----|-------|--------|---------|--------|-------------|--------|-------|-------|---------|
|    | MHz   | dBuV/m | Limit   | Line   | Level       | Factor | Loss  | cm    | deg     |
| 1  | 0.01  | 47.27  | -100.02 | 147.29 | 26.50       | 20.05  | 0.72  | ---   | Average |
| 2  | 0.06  | 46.31  | -84.76  | 131.07 | 25.53       | 20.06  | 0.72  | ---   | Average |
| 3  | 0.09  | 46.37  | -81.06  | 127.43 | 25.64       | 20.01  | 0.72  | ---   | QP      |
| 4  | 0.11  | 45.32  | -80.52  | 125.84 | 24.60       | 20.00  | 0.72  | ---   | Average |
| 5  | 0.15  | 46.25  | -76.91  | 123.16 | 25.54       | 19.99  | 0.72  | ---   | Average |
| 6  | 0.75  | 45.82  | -43.43  | 89.25  | 25.12       | 19.98  | 0.72  | ---   | QP      |
| 7  | 10.58 | 47.50  | -41.08  | 88.58  | 26.66       | 20.12  | 0.72  | ---   | QP      |
| 8  | 15.79 | 36.39  | -52.19  | 88.58  | 15.49       | 20.18  | 0.72  | ---   | QP      |
| 9  | 18.04 | 37.79  | -50.79  | 88.58  | 16.82       | 20.25  | 0.72  | ---   | QP      |
| 10 | 29.39 | 38.52  | -50.06  | 88.58  | 16.90       | 19.91  | 1.71  | 100   | 0 QP    |

**3.2.7. Test Result of Radiated Emission (30MHz ~ 1000MHz)**

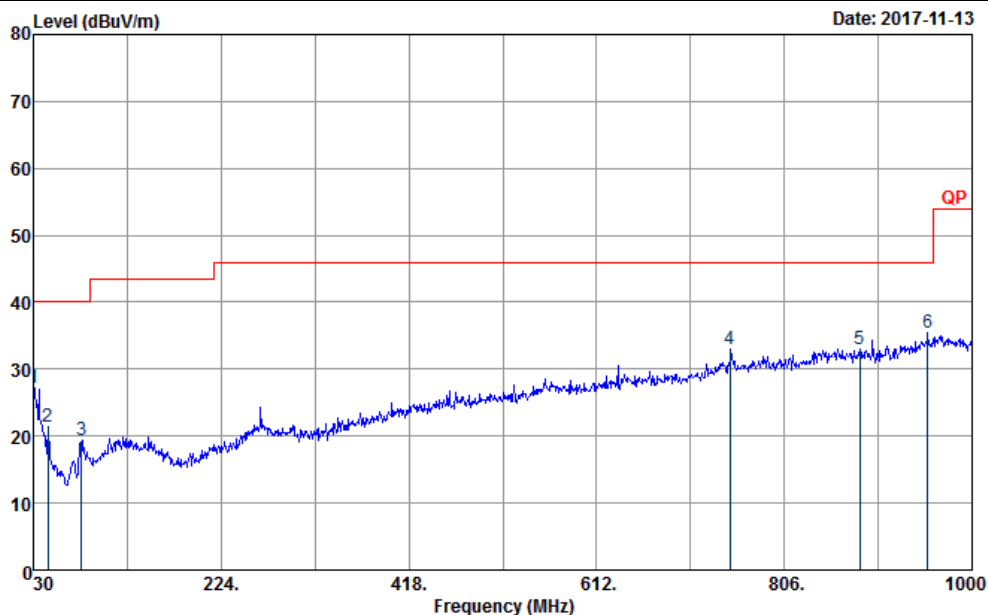
|                        |                                                            |                            |            |
|------------------------|------------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | Mode 1                                                     | <b>Temperature :</b>       | 22~24°C    |
| <b>Test Engineer :</b> | Jesse Wang and Stan Hsieh                                  | <b>Relative Humidity :</b> | 51~53%     |
| <b>Test Distance :</b> | 3m                                                         | <b>Polarization :</b>      | Horizontal |
| <b>Function Type :</b> | 10.579 MHz Link with between the EUT and support equipment |                            |            |
| <b>Remark :</b>        | #4, 5 and 6 are test site noise floor.                     |                            |            |



Site : 03CH07-HY  
 Condition : QP 3m LF-ANT-35419(6) HORIZONTAL  
 Project : 7o0619-01  
 Mode : 1

|   | Freq   | Level  | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Preamp Loss | A/Pos | T/Pos | Remark |      |
|---|--------|--------|------------|------------|-------------------|--------------|-------------|-------|-------|--------|------|
|   | MHz    | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m         | dB          | dB    | cm    | deg    |      |
| 1 | 30.00  | 28.10  | -11.90     | 40.00      | 33.02             | 24.72        | 1.71        | 31.35 | ---   | ---    | Peak |
| 2 | 45.12  | 21.38  | -18.62     | 40.00      | 34.98             | 16.24        | 1.71        | 31.55 | ---   | ---    | Peak |
| 3 | 80.49  | 19.67  | -20.33     | 40.00      | 35.81             | 13.33        | 2.11        | 31.58 | ---   | ---    | Peak |
| 4 | 792.80 | 34.17  | -11.83     | 46.00      | 31.81             | 27.98        | 4.98        | 30.60 | ---   | ---    | Peak |
| 5 | 884.50 | 33.41  | -12.59     | 46.00      | 29.67             | 29.00        | 5.27        | 30.53 | ---   | ---    | Peak |
| 6 | 951.70 | 35.47  | -10.53     | 46.00      | 30.01             | 30.57        | 5.40        | 30.51 | 100   | 0      | Peak |

|                        |                                                            |                            |          |
|------------------------|------------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | Mode 1                                                     | <b>Temperature :</b>       | 22~24°C  |
| <b>Test Engineer :</b> | Jesse Wang and Stan Hsieh                                  | <b>Relative Humidity :</b> | 51~53%   |
| <b>Test Distance :</b> | 3m                                                         | <b>Polarization :</b>      | Vertical |
| <b>Function Type :</b> | 10.579 MHz Link with between the EUT and support equipment |                            |          |
| <b>Remark :</b>        | #4, 5 and 6 are test site noise floor.                     |                            |          |



Site : 03CH07-HY  
 Condition : QP 3m LF-ANT-35419(6) VERTICAL  
 Project : 7o0619-01  
 Mode : 1

|   | Freq   | Level  | Over Limit | Limit Line | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Factor | A/Pos | T/Pos | Remark |
|---|--------|--------|------------|------------|-------------------|----------------|------------|---------------|-------|-------|--------|
|   | MHz    | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m           | dB         | dB            | cm    | deg   |        |
| 1 | 30.27  | 27.17  | -12.83     | 40.00      | 32.09             | 24.72          | 1.71       | 31.35         | ---   | ---   | Peak   |
| 2 | 45.39  | 21.36  | -18.64     | 40.00      | 34.97             | 16.24          | 1.71       | 31.56         | ---   | ---   | Peak   |
| 3 | 79.95  | 19.29  | -20.71     | 40.00      | 35.57             | 13.19          | 2.11       | 31.58         | ---   | ---   | Peak   |
| 4 | 750.10 | 33.05  | -12.95     | 46.00      | 30.90             | 27.90          | 4.88       | 30.63         | ---   | ---   | Peak   |
| 5 | 883.80 | 33.00  | -13.00     | 46.00      | 29.25             | 29.01          | 5.27       | 30.53         | ---   | ---   | Peak   |
| 6 | 953.80 | 35.50  | -10.50     | 46.00      | 29.94             | 30.67          | 5.40       | 30.51         | 100   | 0     | Peak   |

### **3.3. Antenna Requirements**

#### **3.3.1 Standard Applicable**

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

#### **3.3.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.

## 4. List of Measuring Equipment

| Instrument        | Manufacturer    | Model No.                 | Serial No.             | Characteristics    | Calibration Date | Test Date     | Due Date      | Remark                |
|-------------------|-----------------|---------------------------|------------------------|--------------------|------------------|---------------|---------------|-----------------------|
| Spectrum Analyzer | Rohde & Schwarz | FSP30                     | 101067                 | 9kHz~30GHz         | Jun. 26, 2017    | Oct. 27, 2017 | Jun. 25, 2018 | Conducted (TH03-HY)   |
| Hygrometer        | Testo           | 608-H1                    | 34893241               | N/A                | Nov. 16, 2016    | Oct. 27, 2017 | Nov. 15, 2017 | Conducted (TH03-HY)   |
| RF Cable          | HUBER + SUHNER  | SUCOFLEX 104              | MY842095 21            | 1GHz~26GHz         | Dec. 02, 2016    | Oct. 27, 2017 | Dec. 01, 2017 | Conducted (TH03-HY)   |
| Bilog Antenna     | TESEQ           | CBL 6111D&00800 N1D01N-06 | 35419&03               | 30MHz to 1GHz      | Jan. 07, 2017    | Nov. 13, 2017 | Jan. 06, 2018 | Radiation (03CH07-HY) |
| Hygrometer        | Testo           | HTC-2                     | 1                      | N/A                | Jun. 27, 2017    | Nov. 13, 2017 | Jun. 26, 2018 | Radiation (03CH07-HY) |
| Preamplifier      | COM-POWER       | PA-103A                   | 161241                 | 10MHz-1GHz         | Mar. 14, 2017    | Nov. 13, 2017 | Mar. 13, 2018 | Radiation (03CH07-HY) |
| RF Cable          | HUBER + SUHNER  | SUCOFLEX 104              | Y8420952 1+MY8420 9521 | 9KHz~30MHz         | Jan. 03, 2017    | Nov. 13, 2017 | Jan. 02, 2018 | Radiation (03CH07-HY) |
| RF Cable          | HUBER + SUHNER  | SUCOFLEX 104              | MY842095 21            | 30MHz~1GHz         | Jan. 03, 2017    | Nov. 13, 2017 | Jan. 02, 2018 | Radiation (03CH07-HY) |
| Controller        | ChainTek        | Chaintek 3000             | N/A                    | Control Turn table | N/A              | Nov. 13, 2017 | N/A           | Radiation (03CH07-HY) |
| Controller        | Max-Full        | MF7802                    | MF780208 368           | Control Ant Mast   | N/A              | Nov. 13, 2017 | N/A           | Radiation (03CH07-HY) |
| Antenna Mast      | Max-Full        | MFA520BS                  | N/A                    | 1m~4m              | N/A              | Nov. 13, 2017 | N/A           | Radiation (03CH07-HY) |
| Turn Table        | ChainTek        | Chaintek 3000             | N/A                    | 0~360 Degree       | N/A              | Nov. 13, 2017 | N/A           | Radiation (03CH07-HY) |
| Loop Cable        | Rohde & Schwarz | N/A                       | N/A                    | 9KHz~30MHz         | Jan. 03, 2017    | Nov. 13, 2017 | Jan. 02, 2018 | Radiation (03CH07-HY) |
| Loop Antenna      | Rohde & Schwarz | HFH2-Z2                   | 100488                 | 9 kHz~30 MHz       | Oct. 20, 2016    | Nov. 13, 2017 | Oct. 19, 2018 | Radiation (03CH07-HY) |
| EMI Test Receiver | Agilent         | N9038A(MXE)               | MY532900 53            | 20Hz to 26.5GHz    | Jan. 12, 2017    | Nov. 13, 2017 | Jan. 11, 2018 | Radiation (03CH07-HY) |

## 5. Uncertainty of Evaluation

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.70 |
|-------------------------------------------------------------------------|------|