

# FCC EMC Test Report



Subject to

Supplier's Declaration of Conformity

Procedure

**Product** : Wireless Digital Terminal

**Trade Mark** : **Neusoft**

**Model Number** : S611

**Prepared for**

Neusoft Corporation

No.2 Xinxu Street, Hunnan New District, Shenyang City, Liaoning Province, China

**Prepared by**

Shenzhen NTEK Testing Technology Co., Ltd.

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an

District, Shenzhen 518126 P.R. China

Tel.: +86-755-6115 6588 Fax.: +86-755-6115 6599

Website: <http://www.ntek.org.cn>

### TEST RESULT CERTIFICATION

**Applicant's Name** ..... : Neusoft Corporation  
 Address ..... : No.2 Xinxiu Street, Hunnan New District, Shenyang City, Liaoning Province, China  
**Manufacturer's Name** ..... : Neusoft Corporation  
 Address ..... : No.2 Xinxiu Street, Hunnan New District, Shenyang City, Liaoning Province, China

**Product description**

Product name..... : Wireless Digital Terminal  
 Model and/or type reference : S611

**Standards** ..... : 47 CFR FCC part15 subpart B,  
 ANSI C63.4:2014

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of NTEK, this document may be altered or revised by NTEK, personal only, and shall be noted in the revision of the document.

**Date of Test** ..... :  
 Date (s) of performance of tests ..... : 25 Dec. 2018~05 Mar. 2019  
 Date of Issue..... : 24 Apr. 2019  
 Test Result..... : **Pass**

Testing Engineer : Loren Luo  
 (Loren Luo)

Technical Manager : Jason Chen  
 (Jason Chen)

Authorized Signatory : Sam Chen  
 (Sam Chen)

| <b>Table of Contents</b>                           | <b>Page</b> |
|--|-------------|
| 1 . TEST SUMMARY                                   | 4           |
| 1.1 TEST FACILITY                                  | 5           |
| 1.2 MEASUREMENT UNCERTAINTY                        | 5           |
| 2 . GENERAL INFORMATION                            | 7           |
| 2.1 GENERAL DESCRIPTION OF EUT                     | 7           |
| 2.2 DESCRIPTION OF TEST MODES                      | 8           |
| 2.3 DESCRIPTION OF TEST SETUP                      | 9           |
| 2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL | 10          |
| 2.5 MEASUREMENT INSTRUMENTS LIST                   | 11          |
| 3 . EMC EMISSION TEST                              | 12          |
| 3.1 CONDUCTED EMISSION MEASUREMENT                 | 12          |
| 3.1.1 POWER LINE CONDUCTED EMISSION                | 12          |
| 3.1.2 TEST PROCEDURE                               | 13          |
| 3.1.3 TEST SETUP                                   | 13          |
| 3.1.4 EUT OPERATING CONDITIONS                     | 13          |
| 3.1.5 TEST RESULTS                                 | 14          |
| 3.2 RADIATED EMISSION MEASUREMENT                  | 16          |
| 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT      | 16          |
| 3.2.2 TEST PROCEDURE                               | 16          |
| 3.2.3 TEST SETUP                                   | 17          |
| 3.2.4 EUT OPERATING CONDITIONS                     | 17          |
| 3.2.5 TEST RESULTS(30-1000MHz)                     | 18          |
| 3.2.6 TEST RESULTS(1000MHz-18000MHz)               | 20          |

### 1. TEST SUMMARY

Test procedures according to the technical standards:

| EMC Emission                              |                    |         |          |        |
|---|--------------------|---------|----------|--------|
| Standard                                  | Test Item          | Limit   | Judgment | Remark |
| FCC part15 subpart B,<br>ANSI C63.4: 2014 | Conducted Emission | Class B | PASS     |        |
|   | Radiated Emission  | Class B | PASS     |        |

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd.

Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China

CNAS-Lab. : The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)

The Certificate Registration Number is L5516

IC-Registration : The Certificate Registration Number is 9270A-1

FCC- Accredited : Test Firm Registration Number: 463705

Designation Number: CN1184

A2LA-Lab. : The Certificate Registration Number is 4298.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately **95 %**.

| Test Item                          | Measurement Frequency Range | K | U(dB) |
|------------------------------------|-----------------------------|---|-------|
| AC Mains Conducted Emission        | 0.009kHz ~ 0.15MHz          | 2 | 2.66  |
| AC Mains Conducted Emission        | 0.15MHz ~ 30MHz             | 2 | 2.80  |
| Telecom Conducted Emission (Cat 3) | 0.15MHz ~ 30MHz             | 2 | 2.40  |
| Telecom Conducted Emission (Cat 5) | 0.15MHz ~ 30MHz             | 2 | 2.58  |
| Radiated Emission                  | 30MHz ~ 1000MHz             | 2 | 2.64  |
| Radiated Emission                  | 1000MHz ~ 6000MHz           | 2 | 2.40  |
| Radiated Emission                  | 6000MHz ~ 18000MHz          | 2 | 2.52  |
| Power Clamp                        | 30MHz ~ 300MHz              | 2 | 2.20  |



## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

|  |   |                                       |
|--|---|---------------------------------------|
| Equipment  | Wireless Digital Terminal   |                                       |
| Model Name   | S611  |                                       |
| Additional Model Number(s)   | N/A   |                                       |
| Model Difference   | N/A   |                                       |
| Product Description  | The EUT is a Wireless Digital Terminal.   |                                       |
|  | Operating frequency:  | 1.8 GHz (Declaration by Manufacturer) |
|  | Connecting I/O port:  | N/A                                   |
| Based on the application, features, or specification exhibited in User's Manual. More details of EUT technical specification, please refer to the User's Manual. |   |                                       |
| Power Source   | DC Voltage  |                                       |
| Power Rating   | DC 5V or<br>DC 3.85V, 4600mAh Powered by Battery<br>Adapter Model: ICP12-050-2000B<br>Adapter Rating:<br>Input: AC 100-240V, 50/60Hz, 0.5A<br>Output: DC 5V, 2000mA |                                       |

## 2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

All test modes in the table below are tested, the worst case is Mode 1, just reported the worst mode data.

| Pretest Mode | Description         |
|--------------|---------------------|
| Mode 1       | Charging + Playing  |
| Mode 2       | Charging + Scanning |
| Mode 3       | Charging + REC      |
| Mode 4       | Data Transmission   |

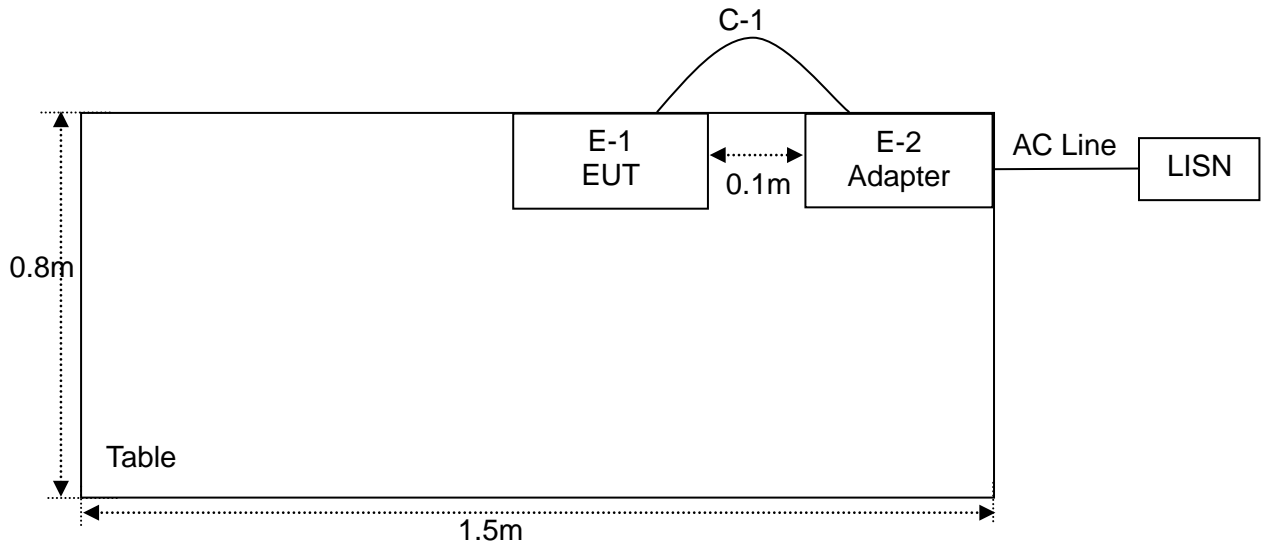
| For Conducted Test |                     |
|--------------------|---------------------|
| Final Test Mode    | Description         |
| Mode 1             | Charging + Playing  |
| Mode 2             | Charging + Scanning |
| Mode 3             | Charging + REC      |
| Mode 4             | Data Transmission   |

| For Radiated Test |                     |
|-------------------|---------------------|
| Final Test Mode   | Description         |
| Mode 1            | Charging + Playing  |
| Mode 2            | Charging + Scanning |
| Mode 3            | Charging + REC      |
| Mode 4            | Data Transmission   |



### 2.3 DESCRIPTION OF TEST SETUP

Mode CE : Charging + Playing





2.5 MEASUREMENT INSTRUMENTS LIST

2.5.1 CONDUCTED TEST SITE

| Item | Kind of Equipment   | Manufacturer | Type No.  | Serial No. | Last calibration | Calibrated until | Calibration period |
|------|---------------------|--------------|-----------|------------|------------------|------------------|--------------------|
| 1    | Low frequency cable | N/A          | C-01      | N/A        | Jun. 06, 2017    | Jun. 05, 2020    | 3 years            |
| 2    | 50Ω Switch          | Anritsu      | MP59B     | 6200983704 | May 19, 2018     | May 18, 2020     | 2 years            |
| 3    | LISN                | SCHWARZB ECK | NNLK 8129 | 8129245    | May 19, 2018     | May 18, 2019     | 1 year             |
| 4    | EMI Test Receiver   | R&S          | ESCI      | 101160     | May 19, 2018     | May 18, 2019     | 1 year             |
| 5    | LISN                | R&S          | ENV216    | 101313     | Apr. 09, 2018    | Apr. 08, 2019    | 1 year             |
| 6    | LISN                | R&S          | ENV216    | 101490     | Oct. 08, 2018    | Oct. 07, 2019    | 1 year             |

2.5.2 RADIATED TEST SITE

| Item | Kind of Equipment      | Manufacturer | Type No.     | Serial No. | Last calibration | Calibrated until | Calibration period |
|------|------------------------|--------------|--------------|------------|------------------|------------------|--------------------|
| 1    | Antenna Mast           | SKET         | N/A          | N/A        | N/A              | N/A              | N/A                |
| 2    | Antenna Mast           | EM           | SC100        | N/A        | Apr. 26, 2017    | Apr. 25, 2020    | 3 years            |
| 3    | 50Ω Switch             | Anritsu      | MP59B        | 6200983705 | May 19, 2018     | May 18, 2020     | 2 years            |
| 4    | Test Cable             | N/A          | R-01         | N/A        | Aug. 08, 2016    | Aug. 07, 2019    | 3 years            |
| 5    | Pre-Amplifier          | EMC          | EMC051835S E | 980246     | Aug. 05, 2018    | Aug. 04, 2019    | 1 year             |
| 6    | Test Cable             | N/A          | R-03         | N/A        | Jun. 26, 2016    | Jun. 25, 2019    | 3 years            |
| 7    | EMI Test Receiver      | R&S          | ESCI         | 101160     | May 19, 2018     | May 18, 2019     | 1 year             |
| 8    | Bilog Antenna          | TESEQ        | CBL6111D     | 31216      | Apr. 08, 2018    | Apr. 07, 2019    | 1 year             |
| 9    | Broadband Horn Antenna | EM           | EM-AH-10180  | 2011071402 | Apr. 08, 2018    | Apr. 07, 2019    | 1 year             |
| 10   | Spectrum Analyzer      | Agilent      | E4440A       | MY41000130 | Mar. 28, 2018    | Mar. 28, 2019    | 1 year             |

### 3. EMC EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT

##### 3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)

| FREQUENCY (MHz) | <input type="checkbox"/> Class A (dB $\mu$ V) |         | <input checked="" type="checkbox"/> Class B (dB $\mu$ V) |           |
|-----------------|---|---------|--|-----------|
|                 | Quasi-peak                                    | Average | Quas -peak   | Average   |
| 0.15 -0.5       | 79.00   | 66.00   | 66 - 56 *  | 56 - 46 * |
| 0.50 -5.0       | 73.00   | 60.00   | 56.00  | 46.00     |
| 5.0 -30.0       | 73.00   | 60.00   | 60.00  | 50.00     |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

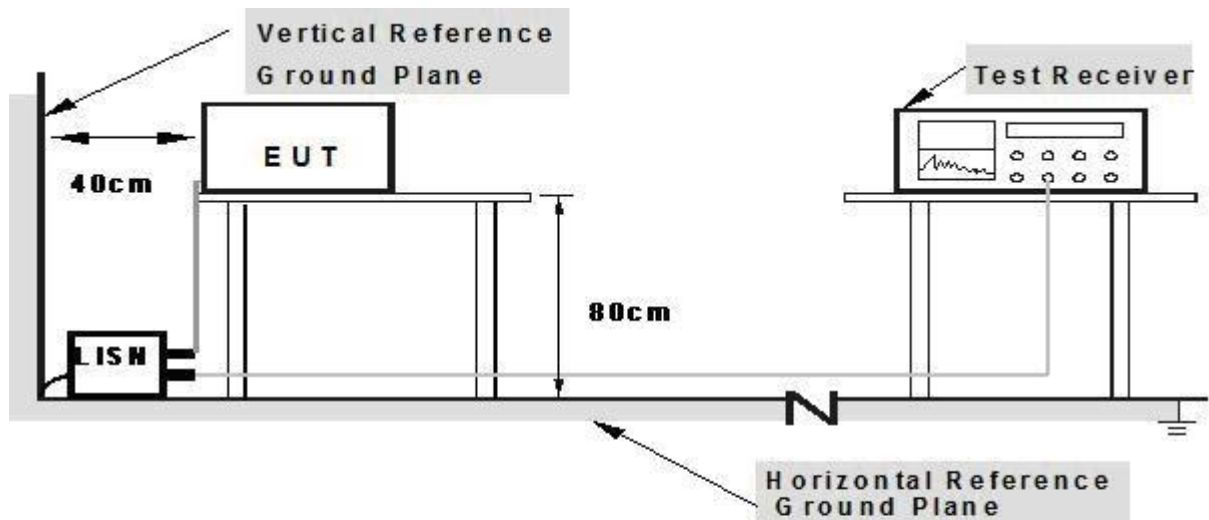
The following table is the setting of the receiver

| Receiver Parameters | Setting  |
|---------------------|----------|
| Attenuation         | 10 dB    |
| Start Frequency     | 0.15 MHz |
| Stop Frequency      | 30 MHz   |
| IF Bandwidth        | 9 kHz    |

### 3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of The cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 3.1.3 TEST SETUP



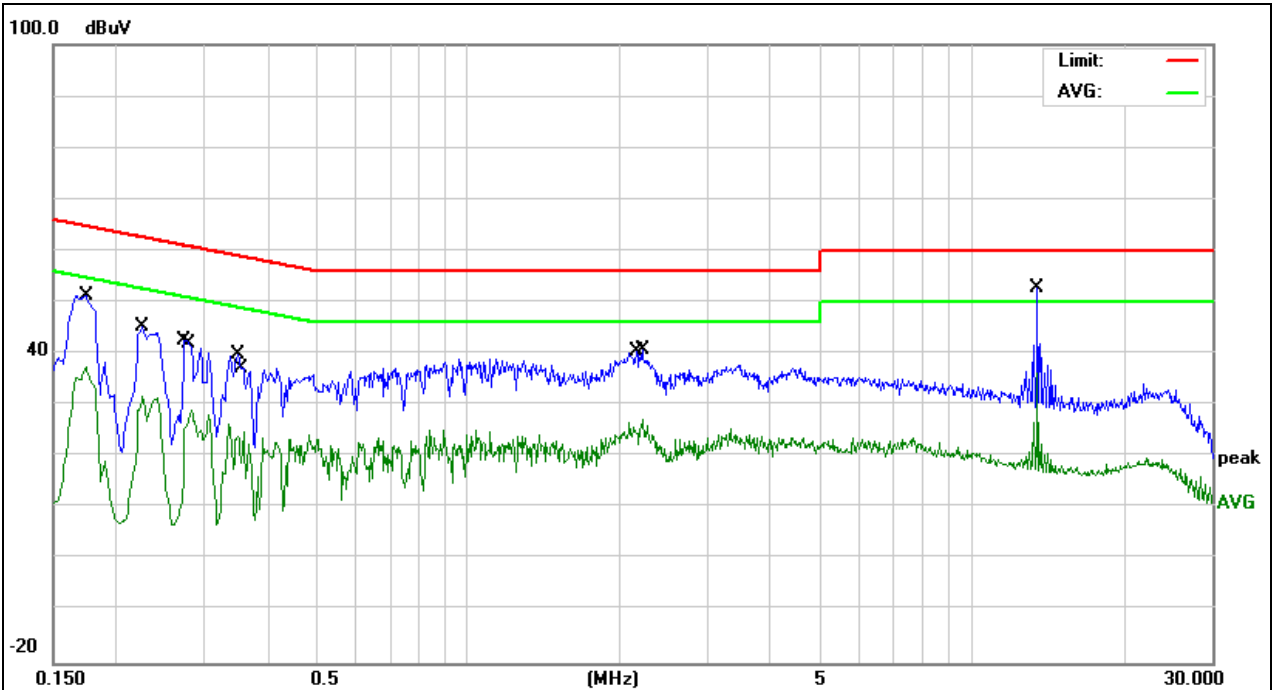
- Note: 1.Support units were connected to second LISN.**  
**2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes**

### 3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

3.1.5 TEST RESULTS

|               |                           |                    |            |
|---------------|---------------------------|--------------------|------------|
| EUT:          | Wireless Digital Terminal | Model Name. :      | S611       |
| Temperature:  | 19°C                      | Relative Humidity: | 49%        |
| Pressure:     | 1010hPa                   | Test Date :        | 2019-01-05 |
| Test Mode:    | Charging + Playing        | Phase:             | L          |
| Test Voltage: | AC 120V/60Hz              |                    |            |



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 0.1737       | 41.58                    | 9.76                    | 51.34                    | 64.78         | -13.44     | QP       |         |
| 2   |     | 0.1737       | 27.77                    | 9.76                    | 37.53                    | 54.78         | -17.25     | AVG      |         |
| 3   |     | 0.2260       | 35.39                    | 9.76                    | 45.15                    | 62.59         | -17.44     | QP       |         |
| 4   |     | 0.2260       | 21.86                    | 9.76                    | 31.62                    | 52.59         | -20.97     | AVG      |         |
| 5   |     | 0.2740       | 32.71                    | 9.75                    | 42.46                    | 60.99         | -18.53     | QP       |         |
| 6   |     | 0.2818       | 19.21                    | 9.75                    | 28.96                    | 50.76         | -21.80     | AVG      |         |
| 7   |     | 0.3498       | 30.12                    | 9.73                    | 39.85                    | 58.97         | -19.12     | QP       |         |
| 8   |     | 0.3578       | 15.18                    | 9.74                    | 24.92                    | 48.78         | -23.86     | AVG      |         |
| 9   |     | 2.1659       | 30.67                    | 9.78                    | 40.45                    | 56.00         | -15.55     | QP       |         |
| 10  |     | 2.2139       | 17.47                    | 9.78                    | 27.25                    | 46.00         | -18.75     | AVG      |         |
| 11  | *   | 13.5017      | 40.56                    | 10.07                   | 50.63                    | 60.00         | -9.37      | QP       |         |
| 12  |     | 13.5017      | 26.31                    | 10.07                   | 36.38                    | 50.00         | -13.62     | AVG      |         |

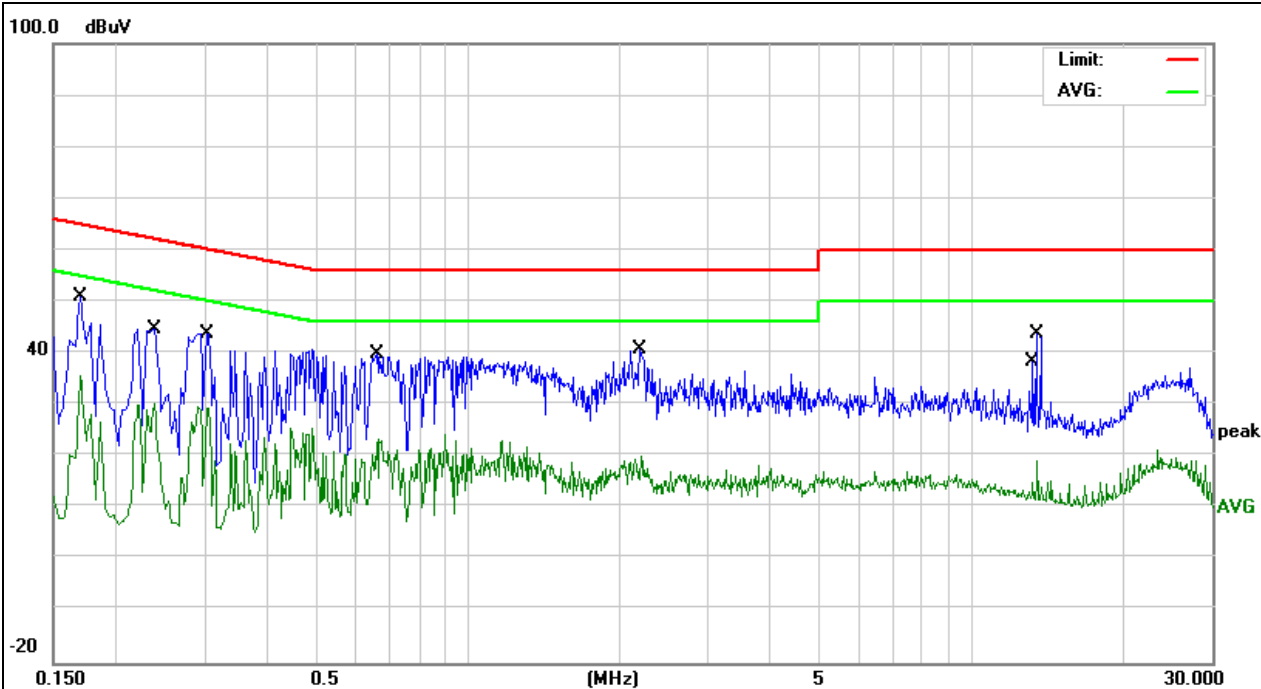
Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

|               |                           |                    |            |
|---------------|---------------------------|--------------------|------------|
| EUT:          | Wireless Digital Terminal | Model Name. :      | S611       |
| Temperature:  | 19°C                      | Relative Humidity: | 49%        |
| Pressure:     | 1010hPa                   | Test Date :        | 2019-01-05 |
| Test Mode:    | Charging + Playing        | Phase:             | N          |
| Test Voltage: | AC 120V/60Hz              |                    |            |



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   | *   | 0.1700       | 41.13                    | 9.73                    | 50.86                    | 64.96         | -14.10     | QP       |         |
| 2   |     | 0.1700       | 25.89                    | 9.73                    | 35.62                    | 54.96         | -19.34     | AVG      |         |
| 3   |     | 0.2379       | 34.97                    | 9.74                    | 44.71                    | 62.17         | -17.46     | QP       |         |
| 4   |     | 0.2379       | 20.61                    | 9.74                    | 30.35                    | 52.17         | -21.82     | AVG      |         |
| 5   |     | 0.3019       | 34.14                    | 9.74                    | 43.88                    | 60.19         | -16.31     | QP       |         |
| 6   |     | 0.3059       | 19.61                    | 9.74                    | 29.35                    | 50.08         | -20.73     | AVG      |         |
| 7   |     | 0.6580       | 30.03                    | 9.75                    | 39.78                    | 56.00         | -16.22     | QP       |         |
| 8   |     | 0.6660       | 13.66                    | 9.75                    | 23.41                    | 46.00         | -22.59     | AVG      |         |
| 9   |     | 2.1939       | 31.01                    | 9.80                    | 40.81                    | 56.00         | -15.19     | QP       |         |
| 10  |     | 2.2019       | 10.33                    | 9.80                    | 20.13                    | 46.00         | -25.87     | AVG      |         |
| 11  |     | 13.2499      | 4.75                     | 10.07                   | 14.82                    | 50.00         | -35.18     | AVG      |         |
| 12  |     | 13.4699      | 33.61                    | 10.07                   | 43.68                    | 60.00         | -16.32     | QP       |         |

Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

| FREQUENCY (MHz) | <input type="checkbox"/> Class A (at 3m) | <input checked="" type="checkbox"/> Class B (at 3m) |
|-----------------|--|---|
|                 | dBµV/m                                   |   |
| 30 ~ 88         | 49.5                                     | 40.0  |
| 88 ~ 216        | 53.9                                     | 43.5  |
| 216 ~ 960       | 56.9                                     | 46.0  |
| Above 960       | 60.0                                     | 54.0  |

Notes:

- (1) The limit for radiated test was performed according to as following: FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBµV/m)=20log Emission level (uV/m).

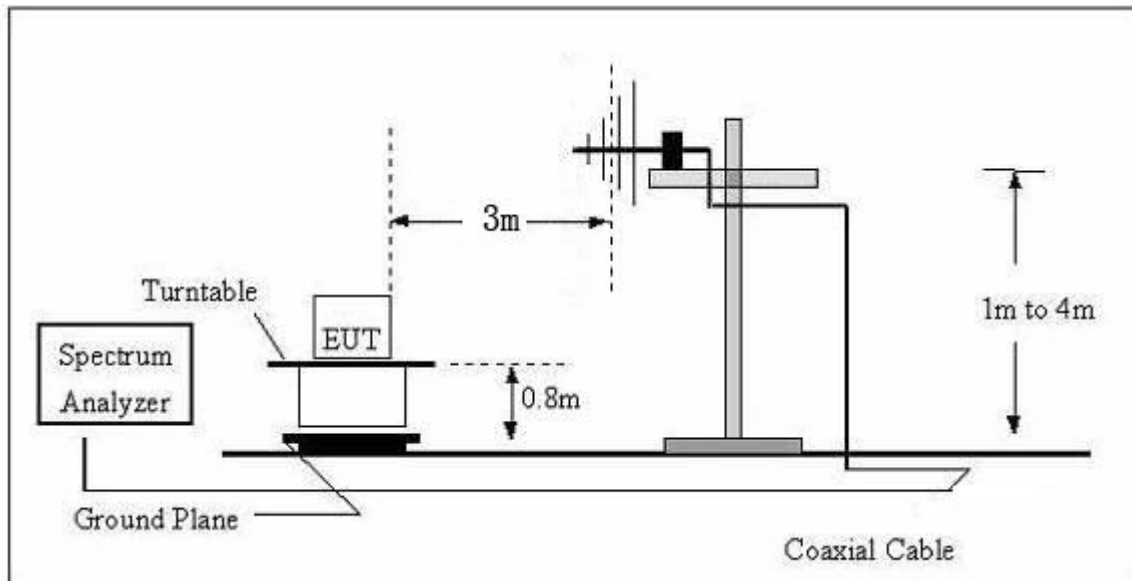
#### 3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked And then Quasi Peak detector mode re-measured, above 1G Average detector mode will be instead.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP(AV) Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

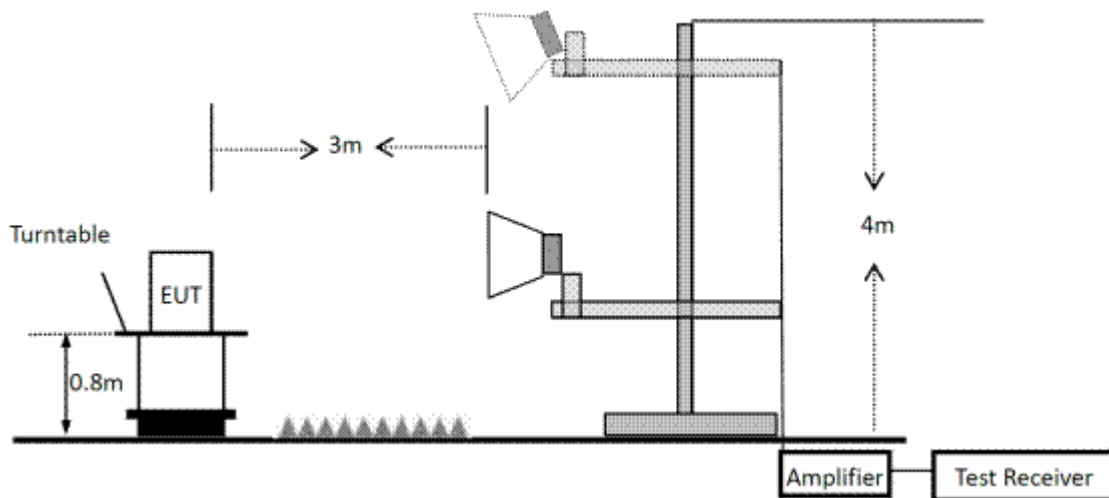


3.2.3 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz

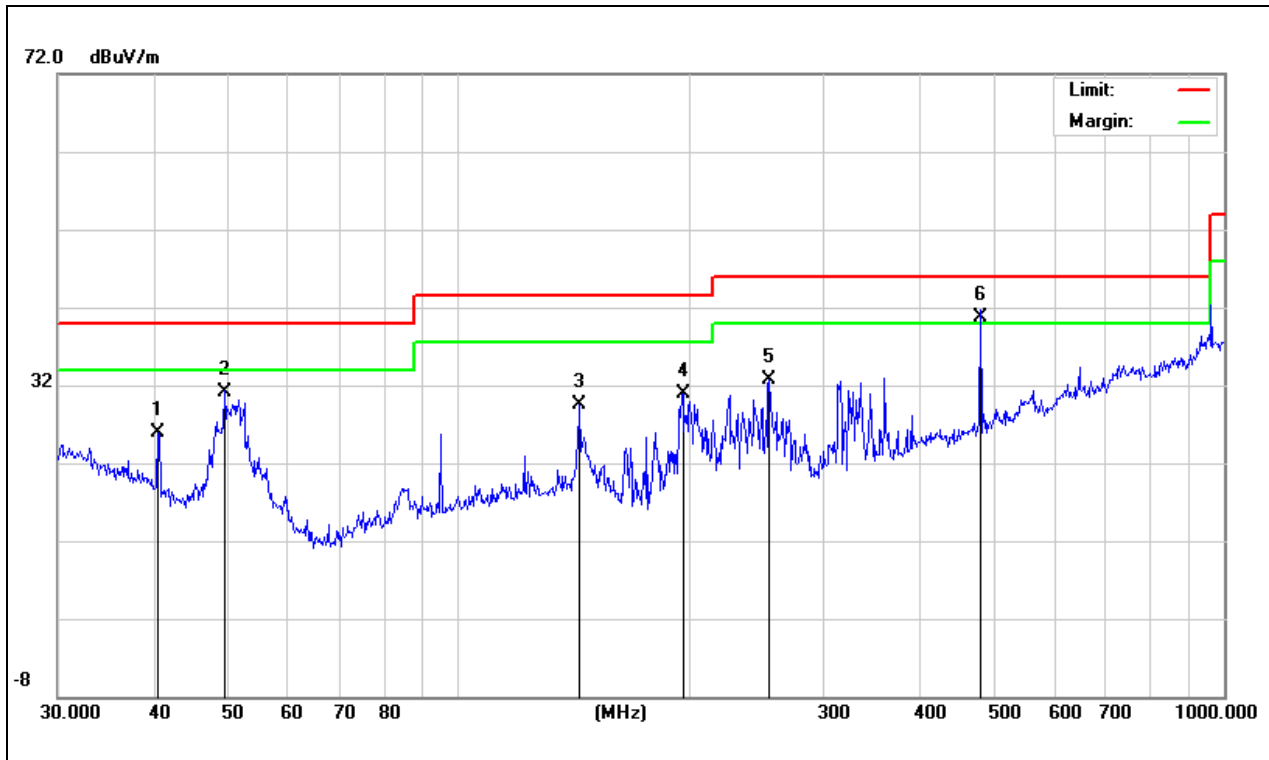


3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.5 TEST RESULTS(30-1000MHz)

|              |                           |                    |            |
|--------------|---------------------------|--------------------|------------|
| EUT:         | Wireless Digital Terminal | Model Name :       | S611       |
| Temperature: | 20°C                      | Relative Humidity: | 45%        |
| Pressure:    | 1010hPa                   | Test Date :        | 2019-01-04 |
| Test Mode:   | Charging + Playing        | Polarization:      | Horizontal |
| Test Power:  | AC 120V/60Hz              |                    |            |



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Antenna<br>Height<br>cm | Table<br>Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|-----------------|---------|
| 1   |     | 40.5591      | 11.91                    | 14.07                   | 25.98                      | 40.00           | -14.02     | QP                      | 105             | 152.00  |
| 2   |     | 49.5328      | 21.49                    | 9.71                    | 31.20                      | 40.00           | -8.80      | QP                      | 123             | 154.00  |
| 3   |     | 143.8295     | 16.27                    | 13.18                   | 29.45                      | 43.50           | -14.05     | QP                      | 185             | 132.00  |
| 4   |     | 196.5098     | 21.08                    | 9.81                    | 30.89                      | 43.50           | -12.61     | QP                      | 315             | 213.00  |
| 5   |     | 254.7284     | 17.38                    | 15.23                   | 32.61                      | 46.00           | -13.39     | QP                      | 225             | 189.00  |
| 6   | *   | 480.5276     | 19.36                    | 21.41                   | 40.77                      | 46.00           | -5.23      | QP                      | 245             | 153.00  |

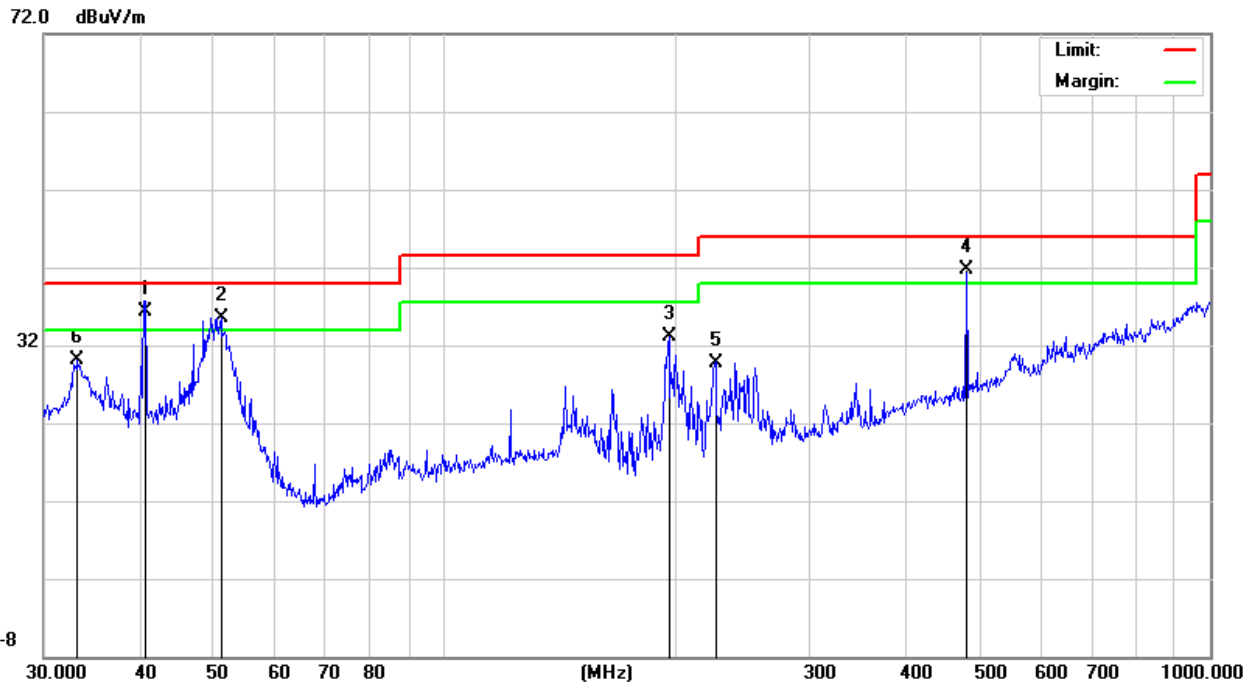
Remark:

Correct Factor = Antenna Factor + Cable Loss – Pre-Amplifier gain

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

|              |                           |                    |            |
|--------------|---------------------------|--------------------|------------|
| EUT:         | Wireless Digital Terminal | Model Name :       | S611       |
| Temperature: | 20°C                      | Relative Humidity: | 45%        |
| Pressure:    | 1010hPa                   | Test Date :        | 2019-01-04 |
| Test Mode:   | Charging + Playing        | Polarization:      | Vertical   |
| Test Power:  | AC 120V/60Hz              |                    |            |



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Antenna<br>Height<br>cm | Table<br>Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|-------------------------|-----------------|---------|
| 1   | *   | 40.7016      | 22.43                    | 13.97                   | 36.40                      | 40.00           | -3.60      | QP       | 105                     | 45.00           |         |
| 2   | !   | 51.1209      | 27.09                    | 8.51                    | 35.60                      | 40.00           | -4.40      | QP       | 123                     | 125.00          |         |
| 3   |     | 196.5098     | 23.34                    | 9.81                    | 33.15                      | 43.50           | -10.35     | QP       | 125                     | 165.00          |         |
| 4   | !   | 480.5276     | 20.32                    | 21.41                   | 41.73                      | 46.00           | -4.27      | QP       | 115                     | 58.00           |         |
| 5   |     | 226.0994     | 17.78                    | 12.02                   | 29.80                      | 46.00           | -16.20     | QP       | 125                     | 210.00          |         |
| 6   |     | 33.2111      | 12.48                    | 17.54                   | 30.02                      | 40.00           | -9.98      | QP       | 135                     | 152.00          |         |

Remark:

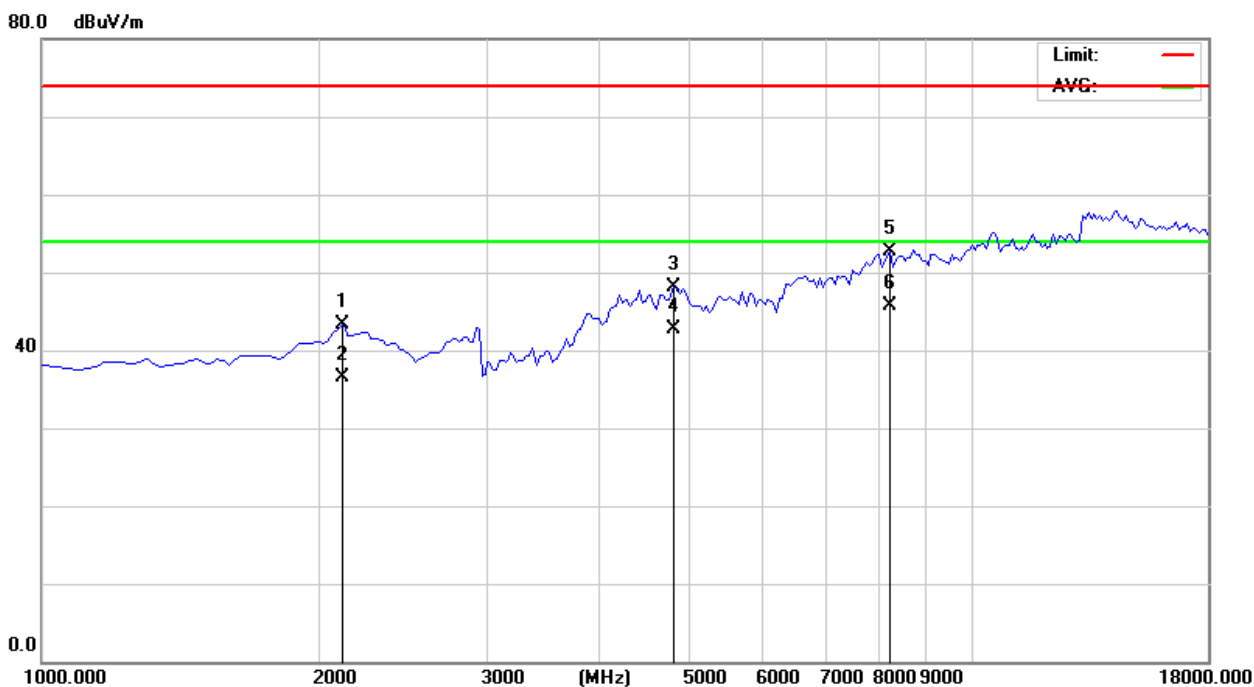
Correct Factor = Antenna Factor + Cable Loss – Pre-Amplifier gain

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

3.2.6 TEST RESULTS(1000MHz-18000MHz)

|              |                           |                    |            |
|--------------|---------------------------|--------------------|------------|
| EUT:         | Wireless Digital Terminal | Model Name :       | S611       |
| Temperature: | 20°C                      | Relative Humidity: | 45%        |
| Pressure:    | 1010hPa                   | Test Date :        | 2019-01-04 |
| Test Mode:   | Charging + Playing        | Polarization:      | Horizontal |
| Test Power:  | AC 120V/60Hz              |                    |            |



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over        | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------------|----------------|--------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB          | cm             | degree       |
| 1   |     | 2105.000 | 40.98         | 2.34           | 43.32       | 74.00  | -30.68 peak | 205            | 125.00       |
| 2   |     | 2105.000 | 34.26         | 2.34           | 36.60       | 54.00  | -17.40 AVG  | 223            | 105.00       |
| 3   |     | 4825.000 | 35.41         | 12.61          | 48.02       | 74.00  | -25.98 peak | 125            | 136.00       |
| 4   |     | 4825.000 | 30.13         | 12.61          | 42.74       | 54.00  | -11.26 AVG  | 175            | 89.00        |
| 5   |     | 8225.000 | -0.68         | 53.37          | 52.69       | 74.00  | -21.31 peak | 135            | 235.00       |
| 6   | *   | 8225.000 | -7.61         | 53.37          | 45.76       | 54.00  | -8.24 AVG   | 126            | 202.00       |

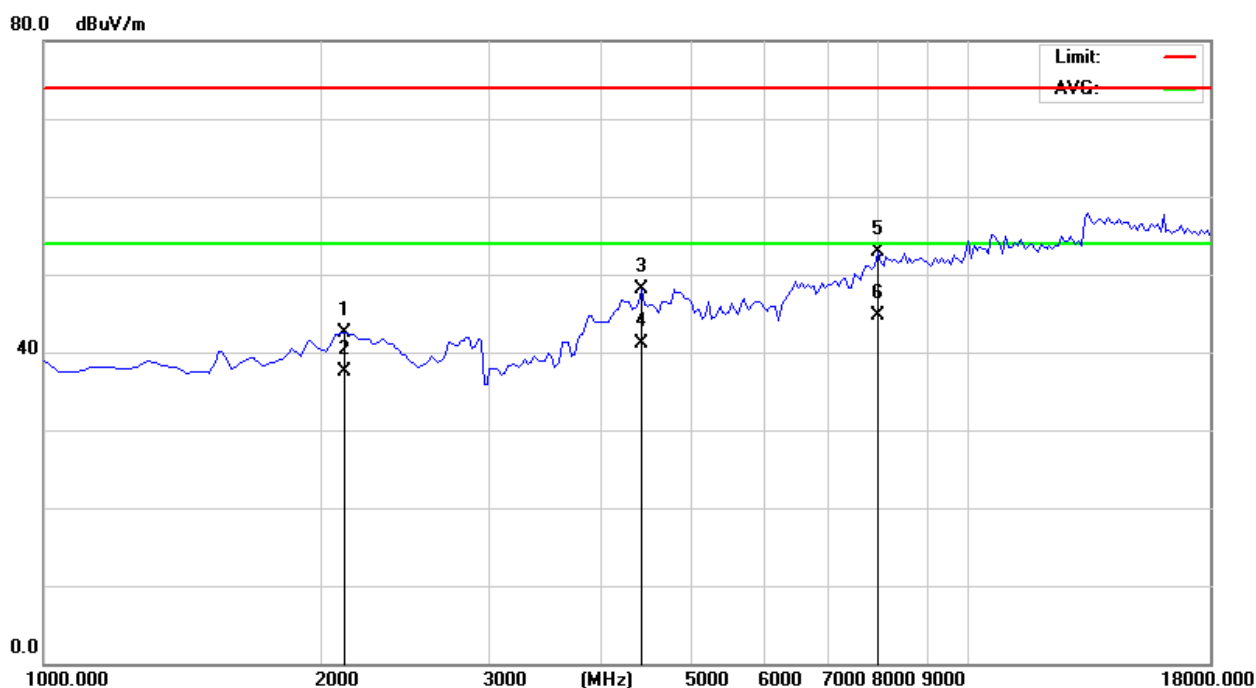
Remark:

Correct Factor = Antenna Factor + Cable Loss – Pre-Amplifier gain

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

|              |                           |                    |            |
|--------------|---------------------------|--------------------|------------|
| EUT:         | Wireless Digital Terminal | Model Name :       | S611       |
| Temperature: | 20°C                      | Relative Humidity: | 45%        |
| Pressure:    | 1010hPa                   | Test Date :        | 2019-01-04 |
| Test Mode:   | Charging + Playing        | Polarization:      | Vertical   |
| Test Power:  | AC 120V/60Hz              |                    |            |



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Antenna<br>Height<br>cm | Table<br>Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|-------------------------|-----------------|---------|
| 1   |     | 2105.000     | 40.15                    | 2.34                    | 42.49                      | 74.00           | -31.51     | peak     | 115                     | 34.00           |         |
| 2   |     | 2105.000     | 35.11                    | 2.34                    | 37.45                      | 54.00           | -16.55     | AVG      | 243                     | 135.00          |         |
| 3   |     | 4400.000     | 37.31                    | 10.78                   | 48.09                      | 74.00           | -25.91     | peak     | 105                     | 134.00          |         |
| 4   |     | 4400.000     | 30.24                    | 10.78                   | 41.02                      | 54.00           | -12.98     | AVG      | 335                     | 193.00          |         |
| 5   |     | 7927.500     | 0.55                     | 52.43                   | 52.98                      | 74.00           | -21.02     | peak     | 145                     | 210.00          |         |
| 6   | *   | 7927.500     | -7.69                    | 52.43                   | 44.74                      | 54.00           | -9.26      | AVG      | 225                     | 205.00          |         |

Remark:

Correct Factor = Antenna Factor + Cable Loss – Pre-Amplifier gain

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit