



# TEST REPORT

No. 2011TAR138

for

**TCT Mobile Limited**

**HSDPA/UMTS dual band / GSM four bands mobile phone**

**Model Name: BrandyA**

**Marketing Name: one touch 990A**

**FCC ID : RAD158**

with

**Hardware Version: PIO**

**Software Version: V520**

**Issued Date: 2011-04-28**

**Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of TMC Beijing.

**Test Laboratory:**

***DAR accreditation (DIN EN ISO/IEC 17025): No. DGA-PL-114/01-02***

***FCC 2.948 Listed: No.733176***

***IC O.A.T.S listed: No.6629A-1***

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## **1. Test Laboratory**

### **1.1. Testing Location**

Company Name: TMC Beijing, Telecommunication Metrology Center of MIIT  
Address: No 52, Huayuan beilu, Haidian District, Beijing, P. R. China  
Postal Code: 100191  
Telephone: 00861062304633  
Fax: 00861062304633

### **1.2. Testing Environment**

Normal Temperature: 15-35°C  
Relative Humidity: 20-75%

### **1.3. Project data**

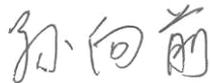
Testing Start Date: Apr. 11, 2011  
Testing End Date: Apr. 15, 2011

### **1.4. Signature**



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**Qu Pengfei**  
**(Prepared this test report)**



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**Sun Xiangqian**  
**(Reviewed this test report)**



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**Lu Bingsong**  
**Deputy Director of the laboratory**  
**(Approved this test report)**

## **2. Client Information**

### **2.1. Applicant Information**

Company Name: TCT Mobile Limited  
Address /Post: 5F, E building, No. 232, Liang Jing Road ZhangJiang High-Tech Park,  
Pudong Area Shanghai, P.R. China.  
City: Shanghai  
Postal Code: 201203  
Country: China  
Contact Person: Gong Zhizhou  
Contact Email: zhizhou.gong@jrdcom.com  
Telephone: 0086-21-61460890  
Fax: 0086 21 61460602

### **2.2. Manufacturer Information**

Company Name: TCT Mobile Limited  
Address /Post: 5F, E building, No. 232, Liang Jing Road ZhangJiang High-Tech Park,  
Pudong Area Shanghai, P.R. China.  
City: Shanghai  
Postal Code: 201203  
Country: China  
Telephone: 0086-21-61460890  
Fax: 0086 21 61460602

### **3. Equipment Under Test (EUT) and Ancillary Equipment (AE)**

#### **3.1. About EUT**

|                     |  |
|---------------------|--|
| Description         | HSDPA/UMTS dual band / GSM four bands mobile phone |
| Model Name          | BrandyA  |
| Marketing Name      | one touch 990A                                     |
| FCC ID              | RAD158   |
| Extreme vol. Limits | 3.5VDC to 4.2VDC (nominal: 3.8VDC)                 |

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of Telecommunication Metrology Center of MIIT of People's Republic of China.

#### **3.2. Internal Identification of EUT used during the test**

| EUT ID* | SN or IMEI      | HW Version | SW Version |
|---------|-----------------|------------|------------|
| EUT1    | 012578000000142 | PIO        | V520       |

\*EUT ID: is used to identify the test sample in the lab internally.

#### **3.3. Internal Identification of AE used during the test**

| AE ID* | Description    | SN          |
|--------|----------------|-------------|
| AE1    | Battery        | B0131600FEA |
| AE2    | Travel Adapter | /           |
| AE3    | Travel Adapter | /           |
| AE4    | Travel Adapter | /           |
| AE5    | USB Cable      | /           |
| AE6    | USB Cable      | /           |

##### AE1

|                 |              |
|-----------------|--------------|
| Model           | CAB31P0000C1 |
| Manufacturer    | BYD          |
| Capacitance     | 1300 mAh     |
| Nominal Voltage | 3.7V         |

##### AE2

|                   |  |
|-------------------|--|
| Model             | CBA3001AG0C1                             |
| Manufacturer      | BYD                                      |
| Length of DC line | 163cm(including the length of USB cable) |

##### AE3

|                   |   |
|-------------------|---|
| Model             | CBA3001AG0C2                                |
| Manufacturer      | Tenpao                                      |
| Length of DC line | 158.6cm (including the length of USB cable) |

##### AE4

|                   |              |
|-------------------|--------------|
| Model             | CBA3000AG0C1 |
| Manufacturer      | Tenpao       |
| Length of DC line | 148.5cm      |

AE5

|                 |              |
|-----------------|--------------|
| Model           | CDA3122001C1 |
| Manufacturer    | Juwei        |
| Length of cable | 148.5cm      |

AE5

|                 |              |
|-----------------|--------------|
| Model           | CDA3122001C2 |
| Manufacturer    | Shenhua      |
| Length of cable | 148.5cm      |

\*AE ID: is used to identify the test sample in the lab internally.

### 3.4. EUT set-ups

| <b>EUT set-up No.</b> | <b>Combination of EUT and AE</b> | <b>Remarks</b> |
|-----------------------|----------------------------------|----------------|
| Set.1                 | EUT1+ AE1+AE2+AE5/AE6            | --             |
| Set.2                 | EUT1+ AE1+AE3+AE5/AE6            | --             |
| Set.3                 | EUT1+ AE1+AE4+AE5/AE6            | --             |
| Set.4                 | EUT1+ AE1+ AE5/AE6               | USB mode       |

## **4. Reference Documents**

### **4.1. Reference Documents for testing**

The following documents listed in this section are referred for testing.

| <b>Reference</b>       | <b>Title</b>   | <b>Version</b>           |
|------------------------|--|--------------------------|
| FCC Part 15, Subpart B | Radio frequency devices  | July 10, 2008<br>Edition |
| ANSI C63.4             | Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz | 2003                     |

## 5. LABORATORY ENVIRONMENT

**Semi-anechoic chamber** (23 meters×17meters×10meters) did not exceed following limits along the EMC testing:

|                                   |   |
|-----------------------------------|---|
| Temperature                       | Min. = 15 °C, Max. = 30 °C                    |
| Relative humidity                 | Min. = 30 %, Max. = 60 %                      |
| Shielding effectiveness           | > 110 dB                                      |
| Electrical insulation             | > 10 kΩ                                       |
| Ground system resistance          | < 0.5 Ω                                       |
| Normalised site attenuation (NSA) | < ±3.2 dB, 10 m distance, from 30 to 1000 MHz |
| Uniformity of field strength      | Between 0 and 6 dB, from 80 to 2000 MHz       |

**Control room** did not exceed following limits along the EMC testing:

|                          |                            |
|--------------------------|----------------------------|
| Temperature              | Min. = 15 °C, Max. = 35 °C |
| Relative humidity        | Min. =30 %, Max. = 60 %    |
| Shielding effectiveness  | > 110 dB                   |
| Electrical insulation    | > 10 kΩ                    |
| Ground system resistance | < 0.5 Ω                    |

**Conducted chamber** did not exceed following limits along the EMC testing:

|                          |                            |
|--------------------------|----------------------------|
| Temperature              | Min. = 15 °C, Max. = 30 °C |
| Relative humidity        | Min. = 30 %, Max. = 60 %   |
| Shielding effectiveness  | > 110 dB                   |
| Electrical insulation    | > 10 kΩ                    |
| Ground system resistance | < 0.5 Ω                    |

**Fully-anechoic chamber** (6.8 meters×3.08 meters×3.53 meters) did not exceed following limits along the EMC testing:

|                              |   |
|------------------------------|---|
| Temperature                  | Min. = 15 °C, Max. = 30 °C              |
| Relative humidity            | Min. = 30 %, Max. = 60 %                |
| Shielding effectiveness      | > 110 dB                                |
| Electrical insulation        | > 10 kΩ                                 |
| Ground system resistance     | < 0.5 Ω                                 |
| Uniformity of field strength | Between 0 and 6 dB, from 80 to 2000 MHz |

## 6. SUMMARY OF TEST RESULTS

| Abbreviations used in this clause: |                |
|------------------------------------|----------------|
| P                                  | Pass           |
| NA                                 | Not applicable |
| F                                  | Fail           |

| Clause | List               | Clause in FCC rules | Verdict |
|--------|--------------------|---------------------|---------|
| 1      | Radiated Emission  | 15.109(a)           | P       |
| 2      | Conducted Emission | 15.107(a)           | P       |

## 7. Test Equipments Utilized

| NO. | Description                          | TYPE          | SERIES NUMBER                    | MANUFACTURE | CAL DUE DATE |
|-----|--------------------------------------|---------------|----------------------------------|-------------|--------------|
| 1   | Test Receiver                        | ESCI          | 100344                           | R&S         | 2012-03-12   |
| 2   | Test Receiver                        | ESCI          | 100766                           | R&S         | 2011-12-06   |
| 3   | Test Receiver                        | ESI40         | 831564/002                       | R&S         | 2012-02-11   |
| 4   | BiLog Antenna                        | VUL9163       | 9163-302                         | Schwarzbeck | 2012-02-10   |
| 5   | Signal Generator                     | SMB100A       | 102063                           | R&S         | 2012-03-05   |
| 6   | LISN                                 | ESH3-Z5       | 825562/028                       | R&S         | 2011-07-04   |
| 7   | Universal Radio Communication Tester | CMU200        | 100680                           | R&S         | 2011-09-05   |
| 8   | Dual-Ridge Waveguide Horn Antenna    | 3115          | 6914                             | EMCO        | 2012-2-18    |
| 9   | PC                                   | OPTIPLEX 755  | 3908243625                       | DELL        | N/A          |
| 10  | Monitor                              | E178FPc       | CN-OWR979-6<br>4180-7AJ-D2M<br>S | DELL        | N/A          |
| 11  | Printer                              | DeskJet D2368 | TH72E12G7Q                       | HP          | N/A          |
| 12  | Keyboard                             | L100          | CN0RH659658<br>907ATOI40         | DELL        | N/A          |
| 13  | Mouse                                | VR-301        | 692722550019<br>8                | XINGYU      | N/A          |

## **ANNEX A: MEASUREMENT RESULTS**

### **A.1 Radiated Emission (§15.109(a))**

#### **A.1.1 Method of measurement**

The field strength of radiated emissions from the unintentional radiator (USB mode of MS and charging mode of MS) at a distance of 3 meters is tested. Tested in accordance with the procedures of ANSI C63.4 - 2003, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

#### **A.1.2 EUT Operating Mode:**

The MS is operating in the USB mode and charging mode. During the test MS is connected to a PC via a USB cable in the case of USB mode and is connected to a charger in the case of charging mode. The model of the PC is DELL OPTIPLEX 755, and the serial number of the PC is 3908243625. For USB mode, the QPST V2.7 software is used to keep the synchronization between the MS and PC.

#### **A.1.3 Measurement Limit**

| Frequency of emission (MHz) | Field strength (microvolts/meter) |
|-----------------------------|-----------------------------------|
| 30-88                       | 100                               |
| 88-216                      | 150                               |
| 216-960                     | 200                               |
| Above 960                   | 500                               |

#### **A.1.4 Test Condition**

| Frequency of emission (MHz) | RBW/VBW       | Sweep Time(s) |
|-----------------------------|---------------|---------------|
| 30-1000                     | 100KHz/300KHz | 5             |
| 1000-4000                   | 1MHz/1MHz     | 15            |

### A.1.5 Measurement Results

A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss". It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{Mea}} + A_{\text{Rpl}} = P_{\text{Mea}} + G_A + G_{\text{PL}}$$

Where

$G_A$ : Antenna factor of receive antenna

$G_{\text{PL}}$ : Path Loss

$P_{\text{Mea}}$ : Measurement result on receiver.

#### Set.1 charging mode

| Frequency(MHz) | Result(dBuV/m) | $G_{\text{PL}}$ (dB) | $G_A$ (dB/m) | $P_{\text{Mea}}$ (dBuV) | Polarity   |
|----------------|----------------|----------------------|--------------|-------------------------|------------|
| 3553.106       | 51.25          | -19.5                | 33.4         | 37.35                   | HORIZONTAL |
| 3519.038       | 51.11          | -19.6                | 33.4         | 37.31                   | VERTICAL   |
| 3711.423       | 51.06          | -19.5                | 33.4         | 37.16                   | VERTICAL   |
| 3701.403       | 50.95          | -19.4                | 33.4         | 36.95                   | VERTICAL   |
| 3929.860       | 50.95          | -19.8                | 33.4         | 37.35                   | VERTICAL   |
| 3607.214       | 50.94          | -19.6                | 33.4         | 37.14                   | VERTICAL   |

#### Set.2 charging mode

| Frequency(MHz) | Result(dBuV/m) | $G_{\text{PL}}$ (dB) | $G_A$ (dB/m) | $P_{\text{mea}}$ (dBuV) | Polarity   |
|----------------|----------------|----------------------|--------------|-------------------------|------------|
| 3701.403       | 51.53          | -19.4                | 33.4         | 37.53                   | VERTICAL   |
| 3468.938       | 51.50          | -19.6                | 31.2         | 39.90                   | HORIZONTAL |
| 3817.635       | 51.32          | -19.5                | 33.4         | 37.42                   | HORIZONTAL |
| 3723.447       | 51.20          | -19.6                | 33.4         | 37.40                   | HORIZONTAL |
| 3707.415       | 51.01          | -19.4                | 33.4         | 37.01                   | VERTICAL   |
| 3633.267       | 50.99          | -19.8                | 33.4         | 37.39                   | HORIZONTAL |

#### Set.3 charging mode

| Frequency(MHz) | Result(dBuV/m) | $G_{\text{PL}}$ (dB) | $G_A$ (dB/m) | $P_{\text{Mea}}$ (dBuV) | Polarity   |
|----------------|----------------|----------------------|--------------|-------------------------|------------|
| 3649.299       | 51.56          | -19.7                | 33.4         | 37.86                   | HORIZONTAL |
| 3733.467       | 51.37          | -19.7                | 33.4         | 37.67                   | VERTICAL   |
| 3509.018       | 51.35          | -19.7                | 33.4         | 37.65                   | HORIZONTAL |
| 3460.922       | 51.34          | -19.6                | 31.2         | 39.74                   | VERTICAL   |
| 3613.226       | 51.26          | -19.7                | 33.4         | 37.56                   | HORIZONTAL |
| 3781.563       | 51.14          | -19.8                | 33.4         | 37.54                   | HORIZONTAL |

#### USB mode

| Frequency(MHz) | Result(dBuV/m) | $G_{\text{PL}}$ (dB) | $G_A$ (dB/m) | $P_{\text{mea}}$ (dBuV) | Polarity   |
|----------------|----------------|----------------------|--------------|-------------------------|------------|
| 3963.928       | 51.35          | -19.6                | 33.4         | 37.55                   | VERTICAL   |
| 3805.611       | 51.31          | -19.5                | 33.4         | 37.41                   | HORIZONTAL |
| 3553.106       | 51.29          | -19.5                | 33.4         | 37.39                   | VERTICAL   |
| 3665.331       | 51.29          | -19.7                | 33.4         | 37.59                   | HORIZONTAL |
| 3531.062       | 51.15          | -19.4                | 33.4         | 37.15                   | HORIZONTAL |
| 3384.770       | 51.12          | -19.5                | 31.2         | 39.42                   | HORIZONTAL |

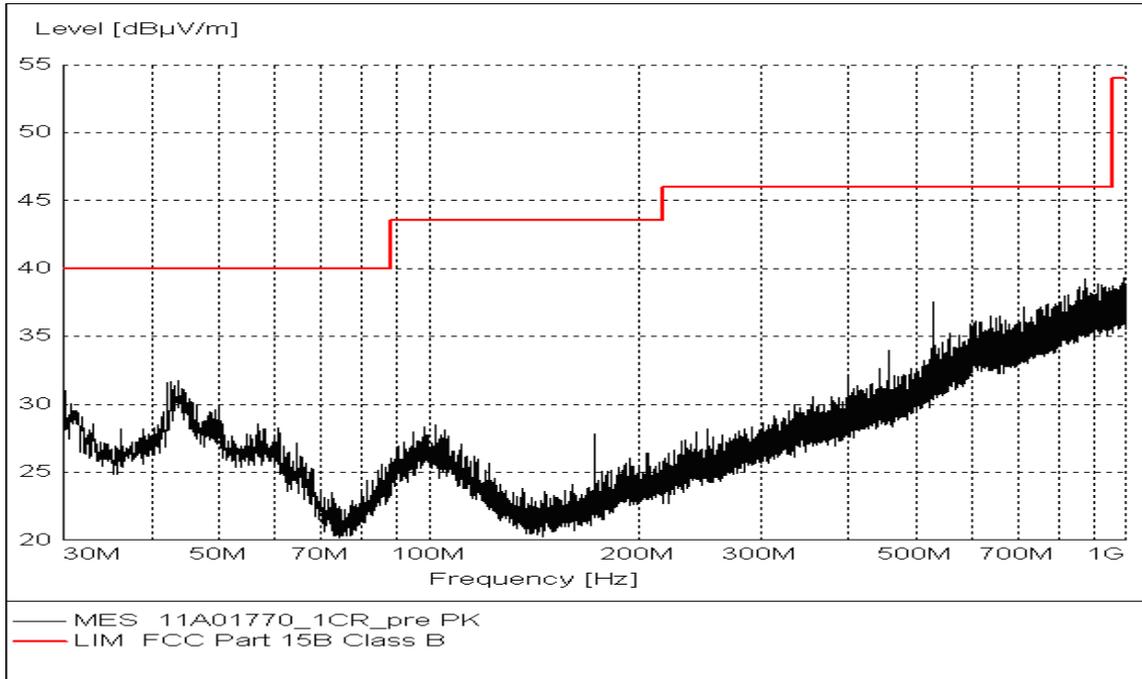


Figure A.1 Radiated Emission from 30MHz to 1GHz (Set.1, Charging mode)

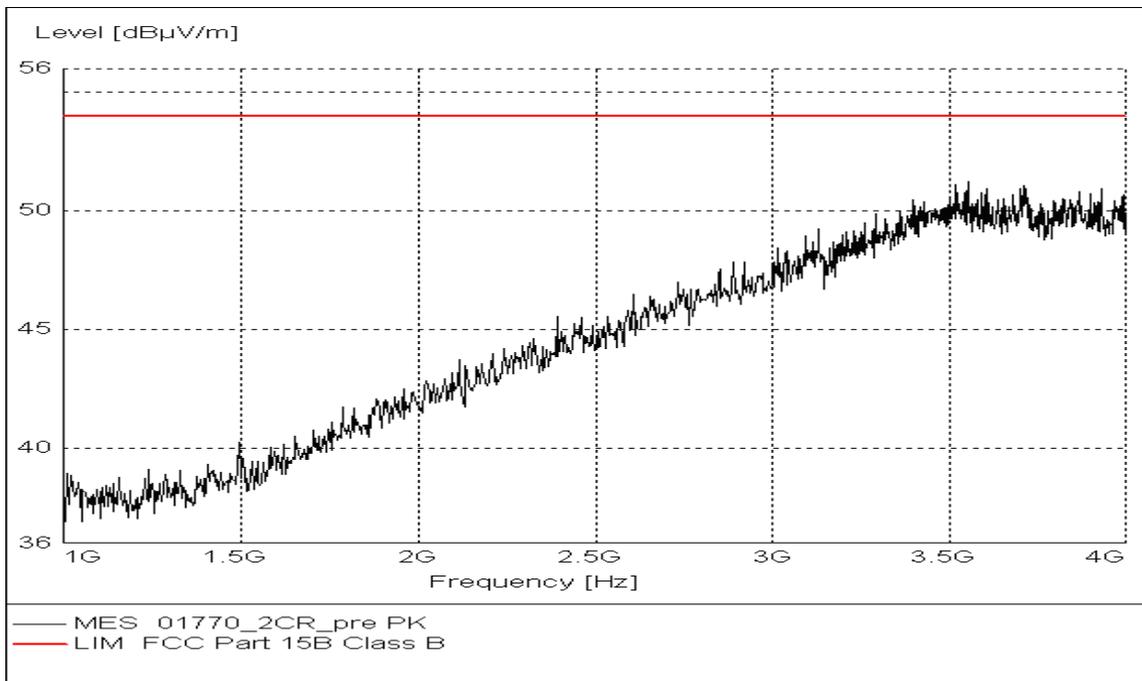


Figure A.2 Radiated Emission from 1GHz to 4GHz (Set.1, Charging mode)

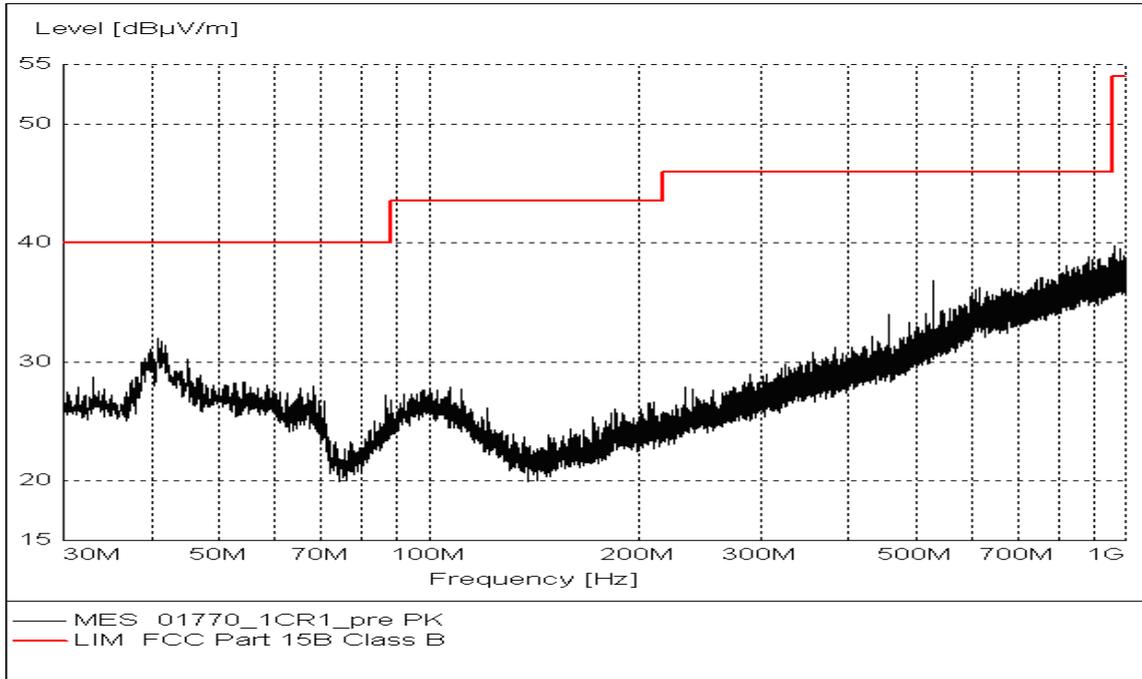


Figure A.3 Radiated Emission from 30MHz to 1GHz (Set.2, Charging mode)

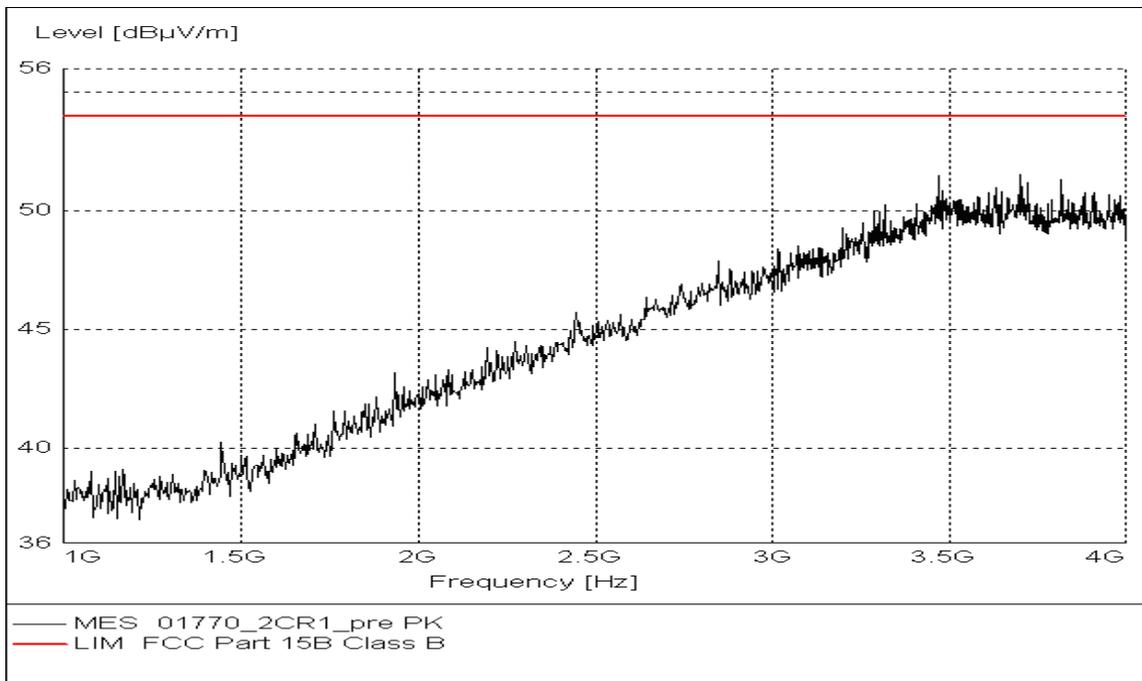


Figure A.4 Radiated Emission from 1GHz to 4GHz (Set.2, Charging mode)

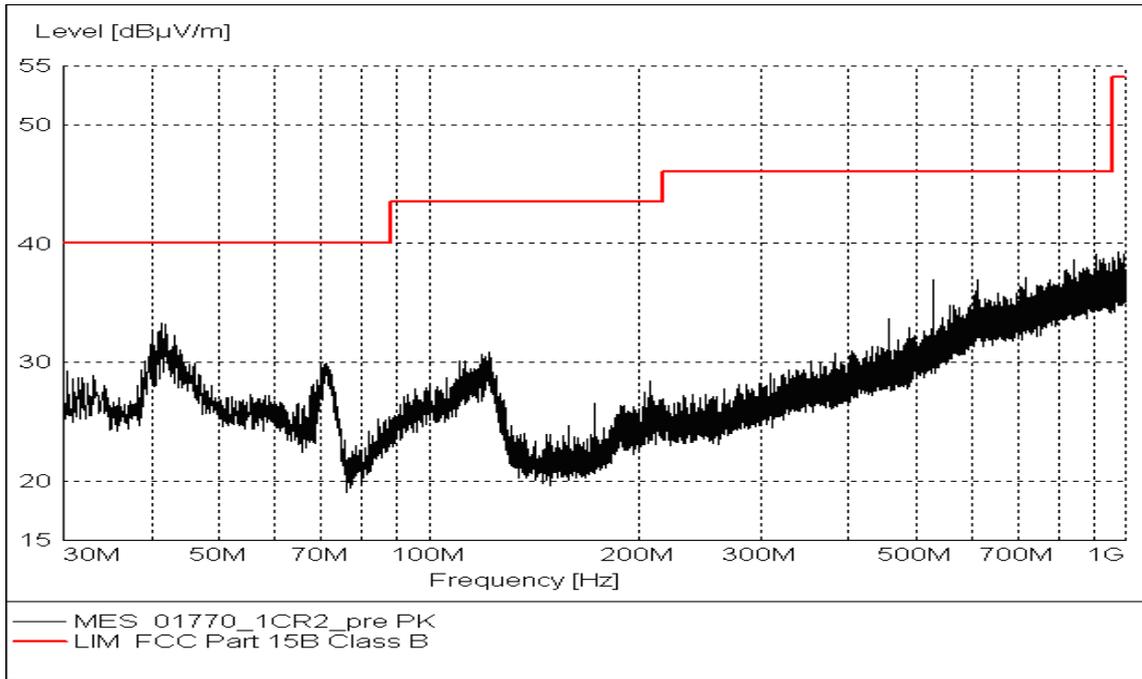


Figure A.5 Radiated Emission from 30MHz to 1GHz (Set.3, Charging mode)

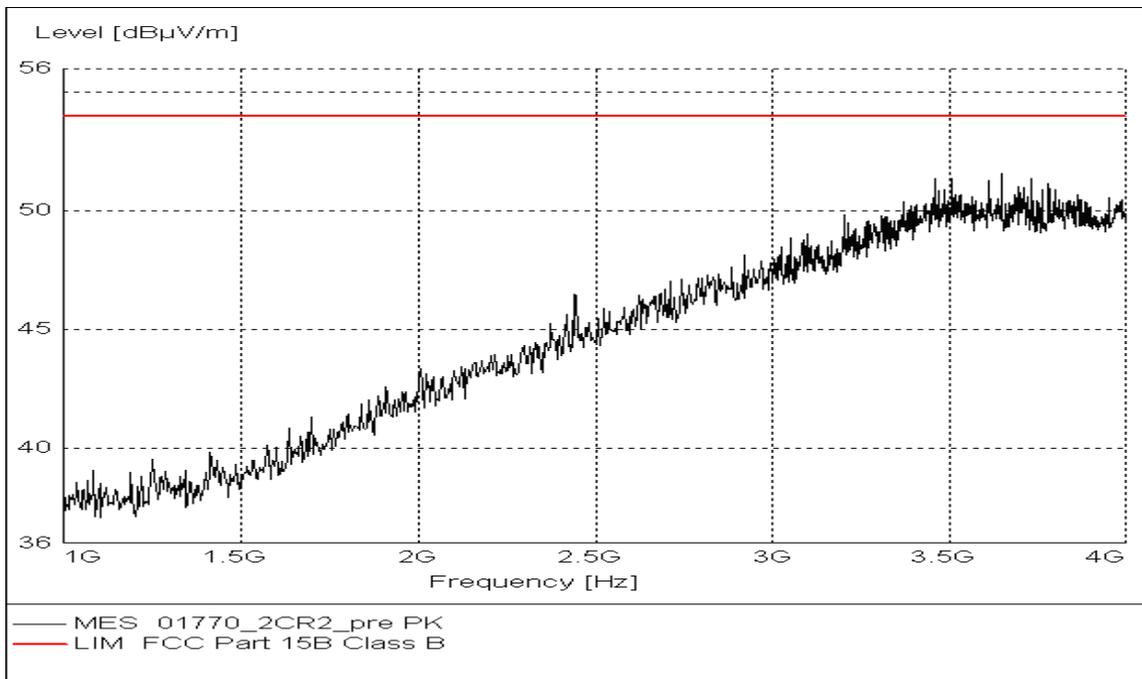


Figure A.6 Radiated Emission from 1GHz to 4GHz (Set.3, Charging mode)

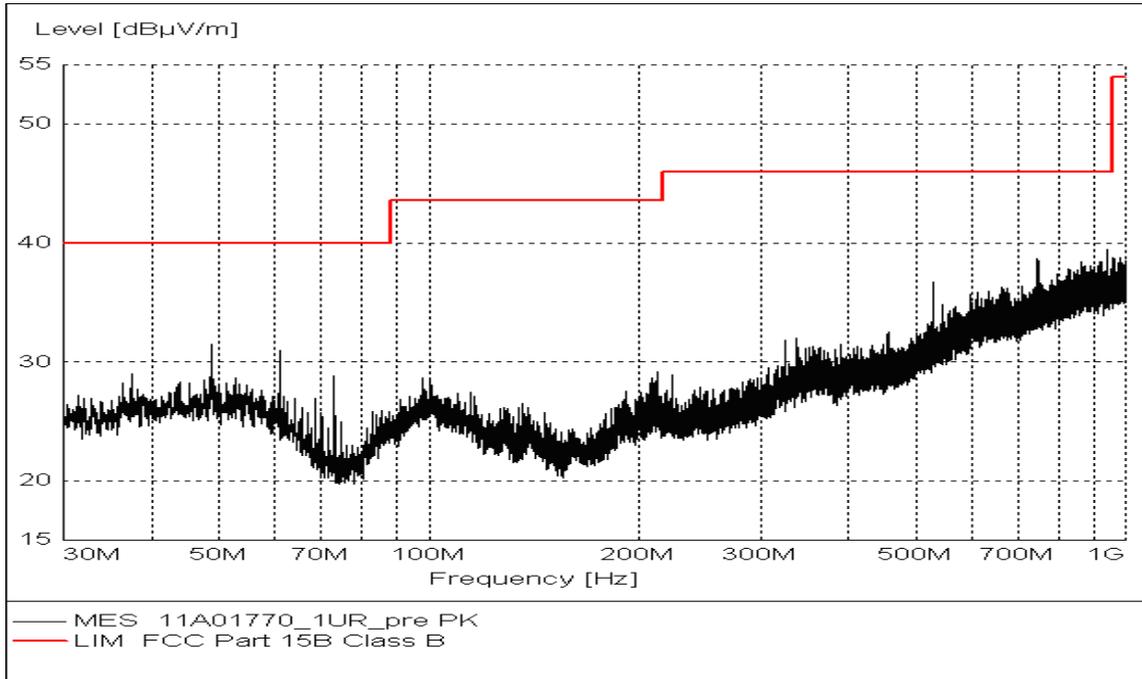


Figure A.7 Radiated Emission from 30MHz to 1GHz (Set.4, USB mode)

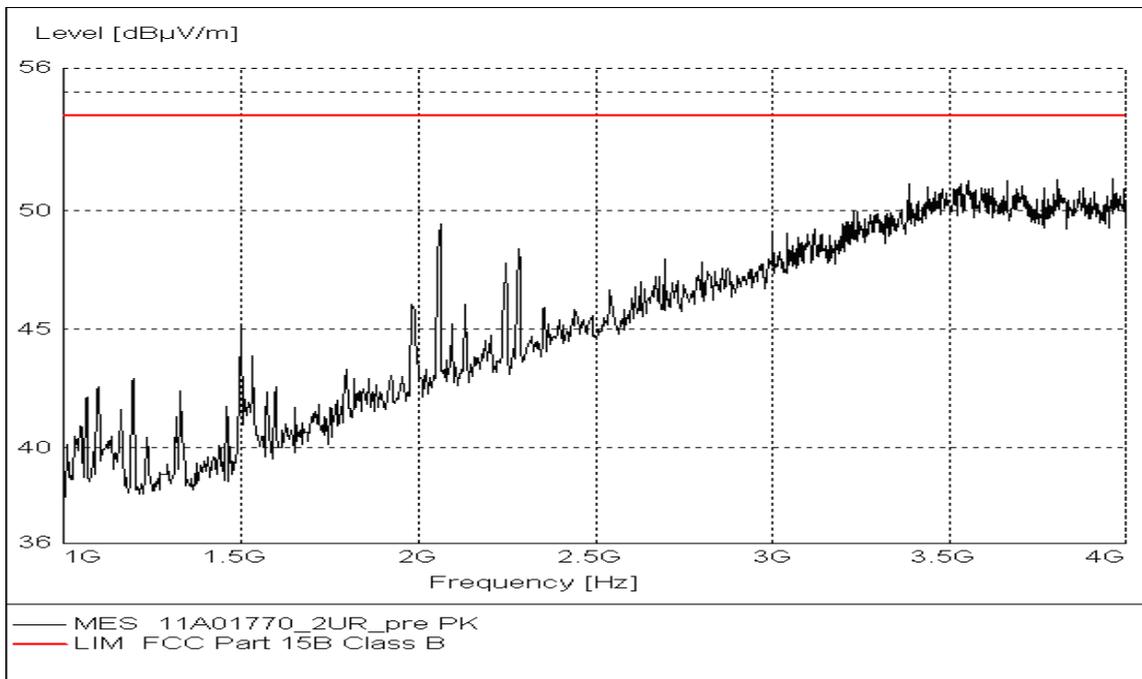


Figure A.8 Radiated Emission from 1GHz to 4GHz (Set.4, USB mode)

## A.2 Conducted Emission (§15.107(a))

### A.2.1 Method of measurement

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits. Tested in accordance with the procedures of ANSI C63.4 - 2003, section 7.2.

### A.2.2 EUT Operating Mode:

The MS is operating in the USB mode and charging mode. During the test MS is connected to a PC via a USB cable in the case of USB mode and is connected to a charger in the case of charging mode. The model of the PC is DELL OPTIPLEX 755, and the serial number of the PC is 3908243625. For USB mode, the QPST V2.7 software is used to keep the synchronization between the MS and PC.

### A.2.3 Measurement Limit

| Frequency of emission (MHz) | Conducted limit (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-peak                   | Average   |
| 0.15-0.5                    | 66 to 56*                    | 56 to 46* |
| 0.5-5                       | 56                           | 46        |
| 5-30                        | 60                           | 50        |

\*Decreases with the logarithm of the frequency

### A.2.4 Test Condition in charging mode

| Voltage (V) | Frequency (Hz) |
|-------------|----------------|
| 120         | 60             |

| RBW  | Sweep Time(s) |
|------|---------------|
| 9kHz | 1             |

### A.2.5 Measurement Results

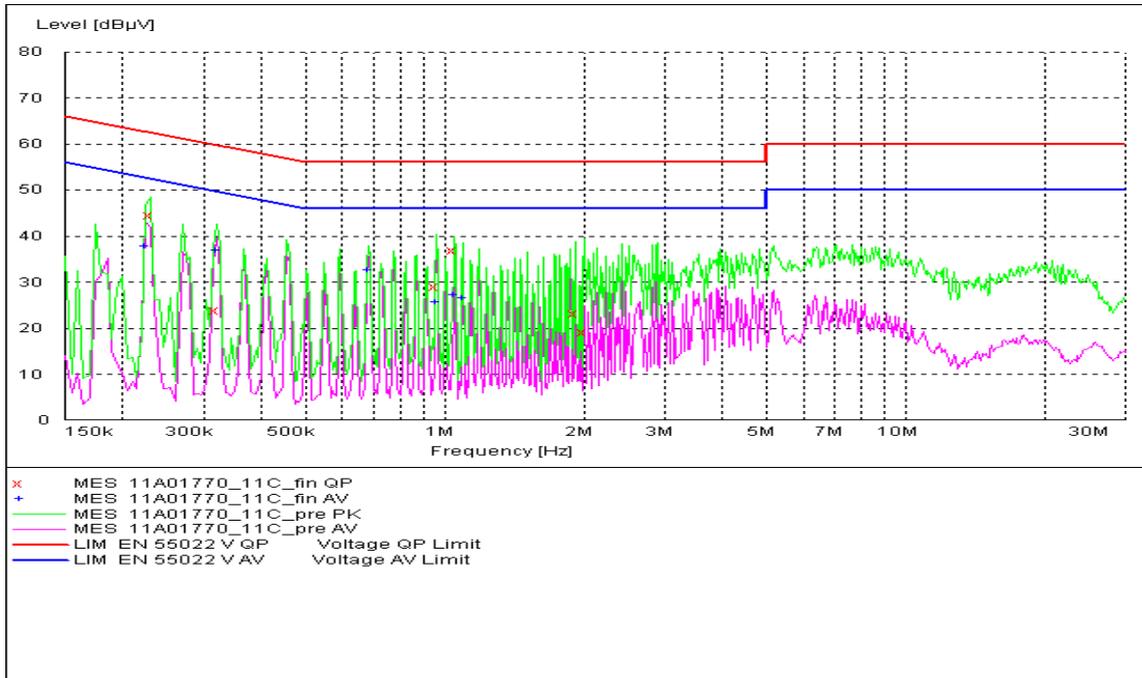


Figure A.9 Conducted Emission (Set.1, Charging mode)

#### MEASUREMENT RESULT: "11A01770\_11C\_fin QP"

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE  |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.230000      | 44.60      | 10.1      | 62         | 17.8      | N    | GND |
| 0.320000      | 23.80      | 10.1      | 60         | 35.9      | N    | GND |
| 0.960000      | 28.90      | 10.1      | 56         | 27.1      | L1   | GND |
| 1.050000      | 36.90      | 10.1      | 56         | 19.1      | N    | GND |
| 1.920000      | 23.20      | 10.1      | 56         | 32.9      | N    | GND |
| 2.016000      | 19.20      | 10.1      | 56         | 36.8      | N    | GND |

#### MEASUREMENT RESULT: "11A01770\_11C\_fin AV"

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE  |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.225000      | 37.70      | 10.1      | 53         | 14.9      | L1   | GND |
| 0.320000      | 36.90      | 10.1      | 50         | 12.8      | N    | GND |
| 0.685000      | 32.50      | 10.1      | 46         | 13.5      | L1   | GND |
| 0.960000      | 25.70      | 10.1      | 46         | 20.3      | N    | GND |
| 1.050000      | 27.10      | 10.1      | 46         | 18.9      | N    | GND |
| 1.095000      | 26.40      | 10.1      | 46         | 19.6      | L1   | GND |

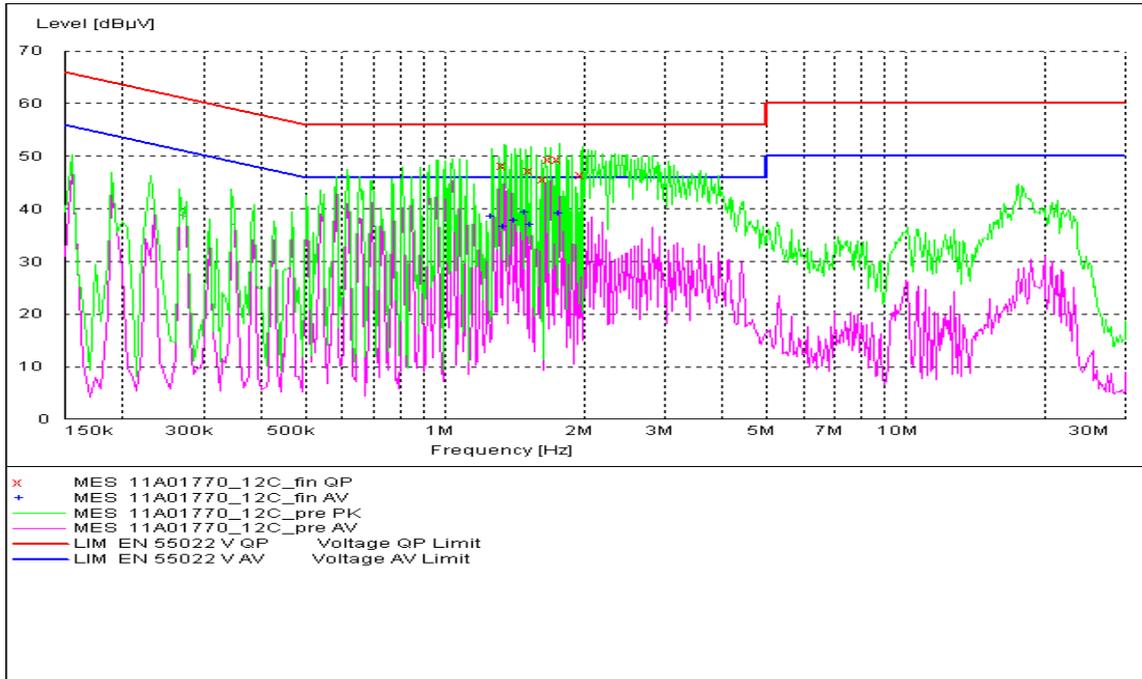


Figure A.10 Conducted Emission (Set.2, Charging mode)

**MEASUREMENT RESULT: "11A01770\_12C\_fin QP"**

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE  |
|---------------|------------|-----------|------------|-----------|------|-----|
| 1.350000      | 48.30      | 10.1      | 56         | 7.8       | L1   | GND |
| 1.540000      | 47.20      | 10.1      | 56         | 8.8       | L1   | GND |
| 1.660000      | 45.70      | 10.1      | 56         | 10.3      | N    | GND |
| 1.690000      | 49.30      | 10.1      | 56         | 6.7       | L1   | GND |
| 1.770000      | 49.40      | 10.1      | 56         | 6.6       | L1   | GND |
| 2.000000      | 46.50      | 10.1      | 56         | 9.5       | L1   | GND |

**MEASUREMENT RESULT: "11A01770\_12C\_fin AV"**

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE  |
|---------------|------------|-----------|------------|-----------|------|-----|
| 1.270000      | 38.60      | 10.1      | 46         | 7.4       | L1   | GND |
| 1.350000      | 36.70      | 10.1      | 46         | 9.3       | L1   | GND |
| 1.425000      | 37.80      | 10.1      | 46         | 8.3       | N    | GND |
| 1.500000      | 39.30      | 10.1      | 46         | 6.7       | L1   | GND |
| 1.540000      | 36.90      | 10.1      | 46         | 9.1       | N    | GND |
| 1.770000      | 39.20      | 10.1      | 46         | 6.8       | N    | GND |

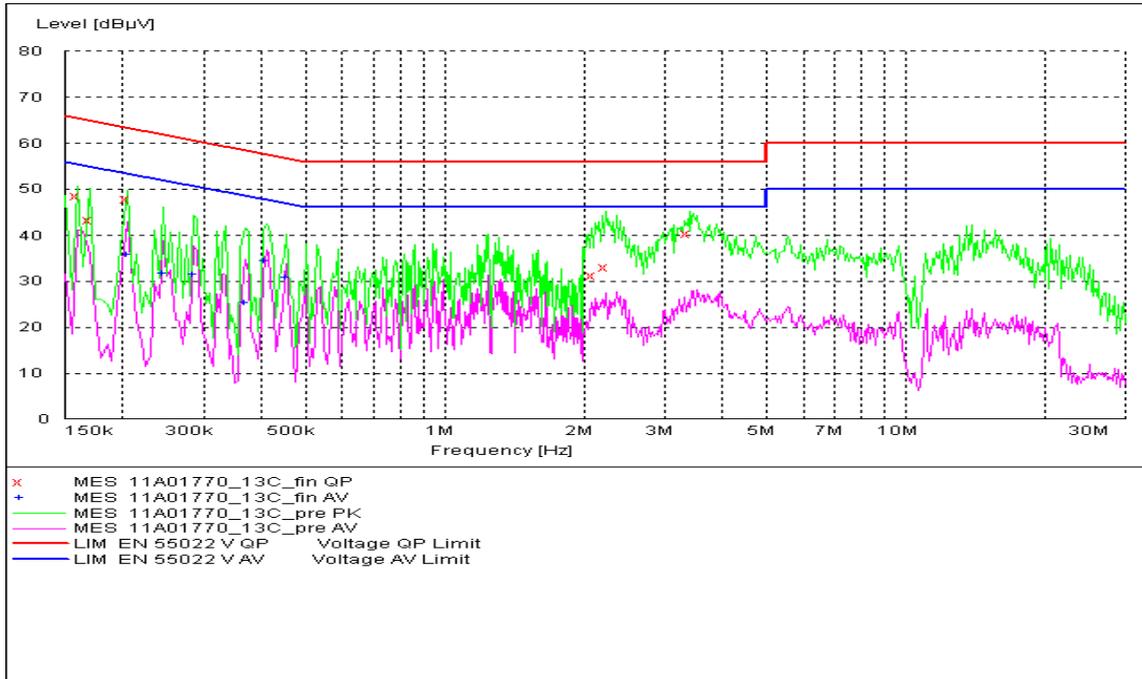


Figure A.11 Conducted Emission (Set.3, Charging mode)

**MEASUREMENT RESULT: "11A01770\_13C\_fin QP"**

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE  |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.160000      | 48.40      | 10.1      | 66         | 17.1      | N    | GND |
| 0.170000      | 43.40      | 10.1      | 65         | 21.6      | L1   | GND |
| 0.205000      | 47.90      | 10.1      | 63         | 15.5      | N    | GND |
| 2.114724      | 31.10      | 10.1      | 56         | 25.0      | L1   | GND |
| 2.236029      | 33.10      | 10.1      | 56         | 22.9      | L1   | GND |
| 3.383959      | 40.30      | 10.1      | 56         | 15.7      | N    | GND |

**MEASUREMENT RESULT: "11A01770\_13C\_fin AV"**

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE  |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.205000      | 35.80      | 10.1      | 53         | 17.6      | L1   | GND |
| 0.245000      | 31.80      | 10.1      | 52         | 20.1      | N    | GND |
| 0.285000      | 31.50      | 10.1      | 51         | 19.2      | L1   | GND |
| 0.370000      | 25.20      | 10.1      | 49         | 23.3      | N    | GND |
| 0.410000      | 34.50      | 10.1      | 48         | 13.1      | N    | GND |
| 0.455000      | 30.80      | 10.1      | 47         | 16.0      | L1   | GND |

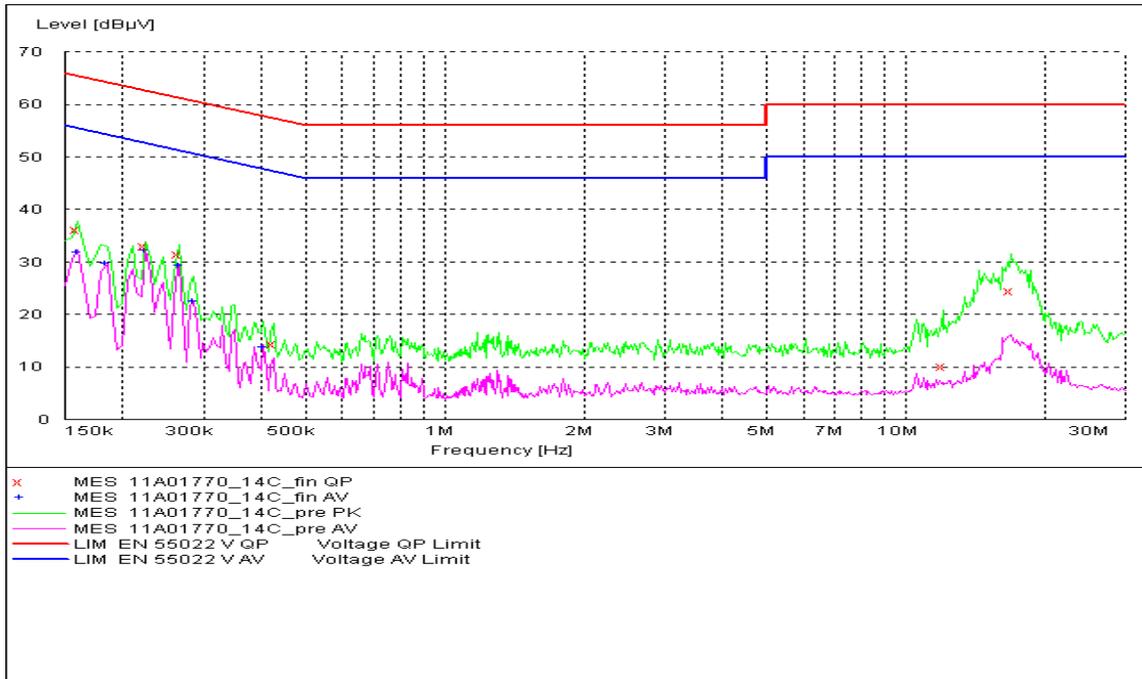


Figure A.12 Conducted Emission (Set.4, USB mode)

**MEASUREMENT RESULT: "11A01770\_14C\_fin QP"**

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE  |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.160000      | 36.20      | 10.2      | 66         | 29.3      | N    | GND |
| 0.225000      | 32.90      | 10.2      | 63         | 29.7      | N    | GND |
| 0.265000      | 31.50      | 10.2      | 61         | 29.7      | N    | GND |
| 0.425000      | 14.30      | 10.2      | 57         | 43.0      | N    | GND |
| 12.011947     | 10.00      | 10.4      | 60         | 50.0      | L1   | GND |
| 16.920621     | 24.40      | 10.6      | 60         | 35.6      | N    | GND |

**MEASUREMENT RESULT: "11A01770\_14C\_fin AV"**

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE  |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.160000      | 31.90      | 10.2      | 56         | 23.6      | N    | GND |
| 0.185000      | 29.70      | 10.2      | 54         | 24.6      | N    | GND |
| 0.225000      | 32.20      | 10.2      | 53         | 20.4      | N    | GND |
| 0.265000      | 29.40      | 10.2      | 51         | 21.9      | N    | GND |
| 0.285000      | 22.50      | 10.2      | 51         | 28.2      | N    | GND |
| 0.405000      | 13.80      | 10.2      | 48         | 34.0      | N    | GND |

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