



# FCC PART 15B TEST REPORT

No. 25T04Z100138-003

for

**Xiaomi Communications Co., Ltd.**

**Tablet Computer**

**Model Name: 25040RP0AL**

**FCC ID: 2AFZZRP0AL**

with

**Hardware Version: 135100O84**

**Software Version: Xiaomi HyperOS 2.1**

**Issued Date: 2025-03-05**

**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 CTTL.

**Test Laboratory:**

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## **REPORT HISTORY**

| Report Number    | Revision | Description             | Issue Date |
|------------------|----------|-------------------------|------------|
| 25T04Z100138-003 | Rev.0    | 1 <sup>st</sup> edition | 2025-03-05 |
|                  |          |                         |            |
|                  |          |                         |            |

Note: the latest revision of the test report supersedes all previous version.

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## 1. Test Laboratory

### 1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

### 1.2. Testing Location

#### CTTL (huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,  
P. R. China 100191

### 1.3. Testing Environment

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

### 1.4. Project data

Testing Start Date: 2025-02-17  
Testing End Date: 2025-02-18

### 1.5. Signature



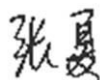
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Wang Xue  
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(Reviewed this test report)



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(Approved this test report)

## **2. Client Information**

### **2.1. Applicant Information**

Company Name: Xiaomi Communications Co., Ltd.  
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### **2.2. Manufacturer Information**

Company Name: Xiaomi Communications Co., Ltd.  
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Beijing, China, 100085  
Contact Name: Zeng Qingyao  
Telephone: 010-60606666-8088  
Fax: 010-60606666-1101  
E-mail: mi-compliance@xiaomi.com

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

#### 3.1. About EUT

|             |                 |
|-------------|-----------------|
| Description | Tablet Computer |
| Model Name  | 25040RP0AL      |
| FCC ID:     | 2AFZZRP0AL      |

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL, Telecommunication Technology Labs, CAICT.

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

| EUT ID* | SN or IMEI       | HW Version | SW Version         |
|---------|------------------|------------|--------------------|
| UT20a   | b67pcaeavozp4dov | 135100O84  | Xiaomi HyperOS 2.1 |

\*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       | Model | Remark                         |
|--------|-------------------|-------|--------------------------------|
| AE1-1  | Battery           | /     | 1 <sup>st</sup> source         |
| AE1-2  | Battery           | /     | 2 <sup>nd</sup> source no test |
| AE2-1  | Adapter1          | /     | /                              |
| AE2-2  | Adapter2          | /     | /                              |
| AE3-1  | Cable USB-TypeC 1 | /     | /                              |
| AE3-2  | Cable USB-TypeC 2 | /     | /                              |
| AE3-3  | Cable USB-TypeC 3 | /     | /                              |
| AE3-4  | Cable USB-TypeC 4 | /     | /                              |
| AE4    | Earphone          | /     | Provided by laboratory         |

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

#### 3.4. EUT set-ups

| EUT set-up No. | Combination of EUT and AE     | Remarks                                 |
|----------------|-------------------------------|-----------------------------------------|
| Set.1          | UT20a + AE1-1 + AE2-1 + AE3-1 | Adapter1+Cable1+ Front Camera           |
| Set.2          | UT20a + AE1-1 + AE2-2 + AE3-2 | Adapter2+Cable2+Rear Camera             |
| Set.3          | UT20a + AE1-1 + AE2-1 + AE3-1 | Adapter1+Cable1+MP4 player from SD Card |
| Set.4          | UT20a + AE1-1 + AE4           | Earphone FM Rx                          |
| Set.5          | UT20a + AE1-1 + AE3-1 + PC    | Copy data from EUT to PC                |
| Set.6          | UT20a + AE1-1 + AE3-2 + PC    | Copy data from PC to EUT                |
| Set.7          | UT20a + AE1-1 + AE3-3 + PC    | Copy data from SD Card to PC            |
| Set.8          | UT20a + AE1-1 + AE3-4 + PC    | Copy data from PC to SD Card            |

Note: Equipment Under Test (EUT) is a model of Tablet Computer.

It has MP3, Camera, USB memory, OTG, Bluetooth 5.3, Wi-Fi 2.4G (802.11b/g/n, support 20MHz bandwidth), Wi-Fi 5G(802.11a/n/ac, 802.11n support 20MHz and 40MHz bandwidth, 802.11ac support 20MHz, 40MHz, and 80MHz bandwidth), and FM Rx functions.

The device contains receivers which tune and operate between 30MHz-960MHz in the following mode: FM Rx. All licensed band receivers that tune in the range of 30MHz-960MHz are

investigated. Only the worst-case emissions are reported.

## **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 - Unintentional Radiators                                                                                                                                | 2024           |
| ANSI C63.4             | American National Standard for<br>Methods of Measurement of Radio-<br>Noise Emissions from Low-Voltage<br>Electrical and Electronic Equipment<br>in the Range of 9 kHz to 40 GHz | 2014           |

Note: The test methods have no deviation with standards.

## 5. LABORATORY ENVIRONMENT

**Semi-anechoic chamber SAC-1** did not exceed following limits along the EMC testing:

|                                                 |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| Temperature                                     | Min. = 15 °C, Max. = 35 °C                      |
| Relative humidity                               | Min. = 15 %, Max. = 75 %                        |
| Shielding effectiveness                         | 0.014MHz-1MHz, >60dB;<br>1MHz - 1000MHz, >90dB. |
| Electrical insulation                           | > 2 M $\Omega$                                  |
| Ground system resistance                        | < 4 $\Omega$                                    |
| Normalised site attenuation (NSA)               | < $\pm 4$ dB, 3m distance                       |
| Site voltage standing-wave ratio ( $S_{VSWR}$ ) | Between 0 and 6 dB, from 1GHz to 6GHz           |
| Uniformity of field strength                    | Between 0 and 6 dB, from 80 to 6000 MHz         |

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

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Temperature              | Min. = 15 °C, Max. = 35 °C                    |
| Relative humidity        | Min. = 20 %, Max. = 75 %                      |
| Shielding effectiveness  | 0.014MHz-1MHz, >60dB;<br>1MHz—1000MHz, >90dB. |
| Electrical insulation    | > 2 M $\Omega$                                |
| Ground system resistance | < 4 $\Omega$                                  |



## 6. SUMMARY OF TEST RESULTS

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

| Items | Test Name          | Clause in FCC rules | Section in this report | Verdict | Test Location            |
|-------|--------------------|---------------------|------------------------|---------|--------------------------|
| 1     | Radiated Emission  | 15.109(a)           | B.1                    | P       | CTTL(huayuan North Road) |
| 2     | Conducted Emission | 15.107(a)           | B.2                    | P       | CTTL(huayuan North Road) |

## 7. Test Equipments Utilized

| NO. | Description           | TYPE      | SERIES<br>NUMBER | MANUFACTURE  | CAL DUE<br>DATE | CALIBRATI<br>ON<br>INTERVAL |
|-----|-----------------------|-----------|------------------|--------------|-----------------|-----------------------------|
| 1   | Test Receiver         | ESW44     | 103023           | R&S          | 2025-06-06      | 1 year                      |
| 2   | Test Receiver         | ESCI 3    | 100344           | R&S          | 2025-04-01      | 1 year                      |
| 3   | LISN                  | ENV216    | 101200           | R&S          | 2025-05-16      | 1 year                      |
| 4   | EMI Antenna           | VULB 9163 | 01222            | SCHWARZBECK  | 2025-09-11      | 1 year                      |
| 5   | EMI Antenna           | 3115      | 00167250         | ETS-Lindgren | 2025-04-11      | 1 year                      |
| 6   | Broadcast Test Center | BTC       | 101024           | R&S          | 2025-04-01      | 1 year                      |

| Test software information |          |           |
|---------------------------|----------|-----------|
| Test Item                 | Software | Version   |
| Radiated Emission         | EMC32    | V11.50.00 |
| Conducted Emission        | EMC32    | V8.53.0   |

## **ANNEX A: MEASUREMENT RESULTS**

### **A.1 Radiated Emission**

#### **Reference**

FCC: CFR Part 15.109(a).

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

The field strength of radiated emissions from the unintentional radiator (USB/OTG mode of MS and charging mode of MS) at distances of 3 meters is tested. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3/10 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, OTG 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 the other device for charging in OTG mode and is connected to a charger in the case of charging mode.

The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in section 3.4, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

The model of the PC is M4000E-17, and the serial number of the PC is M706GWXD. The software is used to let the PC keep on copying data to MS, reading and erasing the data after copy action was finished.

Note: I/O information: Printer – USB, Mouse – PS/2, Keyboard – USB.

The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in section 3.4, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

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

| Frequency range<br>(MHz) | Field strength limit (μV/m) |         |      |
|--------------------------|-----------------------------|---------|------|
|                          | Quasi-peak                  | Average | Peak |
| 30-88                    | 100                         |         |      |
| 88-216                   | 150                         |         |      |
| 216-960                  | 200                         |         |      |
| 960-1000                 | 500                         |         |      |
| >1000                    |                             | 500     | 5000 |

Note: the above limit is for 3 meters test distance. 10 meters' limit is got by converting.

#### A.1.4 Test Condition

| Frequency range (MHz) | RBW/VBW               | Sweep Time (s) | Detector        |
|-----------------------|-----------------------|----------------|-----------------|
| 30-1000               | 120kHz (IF Bandwidth) | 5              | Peak/Quasi-peak |
| Above 1000            | 1MHz/3MHz             | 15             | Peak, Average   |

#### 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.

Measurement uncertainty (worst case):  $U = 4.84 \text{ dB}$ ,  $k=2$ .

#### Measurement results for Set.1:

**Charing Mode: Adapter1+Cable1+ Front Camera**

##### Average detector

| Frequency (MHz) | Measurement Result (dBμV/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBμV) | Limit (dBμV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17972.100       | 41.98                       | -26.80          | 42.30                 | 26.48                   | 54.00          | 12.02       | V                  |
| 17966.700       | 41.90                       | -26.80          | 42.30                 | 26.40                   | 54.00          | 12.10       | V                  |
| 17898.700       | 41.64                       | -26.80          | 42.30                 | 26.14                   | 54.00          | 12.36       | V                  |
| 17975.200       | 41.60                       | -26.80          | 42.30                 | 26.10                   | 54.00          | 12.40       | H                  |
| 17982.300       | 41.57                       | -26.80          | 42.30                 | 26.07                   | 54.00          | 12.43       | V                  |
| 17995.600       | 41.57                       | -26.80          | 42.30                 | 26.07                   | 54.00          | 12.43       | H                  |

##### Peak detector

| Frequency (MHz) | Measurement Result (dBμV/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBμV) | Limit (dBμV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17995.900       | 52.51                       | -26.80          | 42.30                 | 37.01                   | 74.00          | 21.49       | V                  |
| 17955.800       | 52.26                       | -26.80          | 42.30                 | 36.76                   | 74.00          | 21.74       | V                  |
| 17989.800       | 52.22                       | -26.80          | 42.30                 | 36.72                   | 74.00          | 21.78       | H                  |
| 17711.300       | 51.99                       | -28.23          | 42.30                 | 37.92                   | 74.00          | 22.01       | H                  |
| 17871.500       | 51.97                       | -26.80          | 42.30                 | 36.47                   | 74.00          | 22.03       | H                  |
| 17970.800       | 51.84                       | -26.80          | 42.30                 | 36.34                   | 74.00          | 22.16       | V                  |

**Measurement results for Set.2:**
**Charing Mode: Adapter2+Cable2+Rear Camera**
**Average detector**

| Frequency (MHz) | Measurement Result (dB $\mu$ V/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dB $\mu$ V) | Limit (dB $\mu$ V/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------------|-----------------|-----------------------|-------------------------------|----------------------|-------------|--------------------|
| 17963.300       | 42.02                             | -26.80          | 42.30                 | 26.52                         | 54.00                | 11.98       | H                  |
| 17974.500       | 41.90                             | -26.80          | 42.30                 | 26.40                         | 54.00                | 12.10       | V                  |
| 17990.100       | 41.76                             | -26.80          | 42.30                 | 26.26                         | 54.00                | 12.24       | H                  |
| 17953.400       | 41.70                             | -26.80          | 42.30                 | 26.20                         | 54.00                | 12.30       | V                  |
| 17983.000       | 41.63                             | -26.80          | 42.30                 | 26.13                         | 54.00                | 12.37       | V                  |
| 17984.400       | 41.58                             | -26.80          | 42.30                 | 26.08                         | 54.00                | 12.42       | V                  |

**Peak detector**

| Frequency (MHz) | Measurement Result (dB $\mu$ V/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dB $\mu$ V) | Limit (dB $\mu$ V/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------------|-----------------|-----------------------|-------------------------------|----------------------|-------------|--------------------|
| 17893.900       | 53.18                             | -26.80          | 42.30                 | 37.68                         | 74.00                | 20.82       | V                  |
| 17986.400       | 52.65                             | -26.80          | 42.30                 | 37.15                         | 74.00                | 21.35       | V                  |
| 17953.400       | 51.92                             | -26.80          | 42.30                 | 36.42                         | 74.00                | 22.08       | V                  |
| 17929.600       | 51.89                             | -26.80          | 42.30                 | 36.39                         | 74.00                | 22.11       | V                  |
| 17973.100       | 51.84                             | -26.80          | 42.30                 | 36.34                         | 74.00                | 22.16       | H                  |
| 17985.000       | 51.83                             | -26.80          | 42.30                 | 36.33                         | 74.00                | 22.17       | V                  |

**Measurement results for Set.3:**
**Charing Mode: Adapter1+Cable1+MP4 player from SD Card**
**Average detector**

| Frequency (MHz) | Measurement Result (dB $\mu$ V/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dB $\mu$ V) | Limit (dB $\mu$ V/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------------|-----------------|-----------------------|-------------------------------|----------------------|-------------|--------------------|
| 17990.500       | 42.22                             | -26.80          | 42.30                 | 26.72                         | 54.00                | 11.78       | V                  |
| 17979.300       | 41.98                             | -26.80          | 42.30                 | 26.48                         | 54.00                | 12.02       | H                  |
| 17991.800       | 41.91                             | -26.80          | 42.30                 | 26.41                         | 54.00                | 12.09       | V                  |
| 17972.100       | 41.58                             | -26.80          | 42.30                 | 26.08                         | 54.00                | 12.42       | H                  |
| 17954.100       | 41.56                             | -26.80          | 42.30                 | 26.06                         | 54.00                | 12.44       | V                  |
| 17974.800       | 41.54                             | -26.80          | 42.30                 | 26.04                         | 54.00                | 12.46       | H                  |

### Peak detector

| Frequency (MHz) | Measurement Result (dBμV/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBμV) | Limit (dBμV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17988.800       | 52.86                       | -26.80          | 42.30                 | 37.36                   | 74.00          | 21.14       | H                  |
| 17888.500       | 52.04                       | -26.80          | 42.30                 | 36.54                   | 74.00          | 21.96       | V                  |
| 17955.500       | 52.00                       | -26.80          | 42.30                 | 36.50                   | 74.00          | 22.00       | H                  |
| 17964.000       | 51.89                       | -26.80          | 42.30                 | 36.39                   | 74.00          | 22.11       | V                  |
| 17986.700       | 51.89                       | -26.80          | 42.30                 | 36.39                   | 74.00          | 22.11       | H                  |
| 17994.200       | 51.87                       | -26.80          | 42.30                 | 36.37                   | 74.00          | 22.13       | V                  |

### Measurement results for Set.4:

#### Charing Mode: Earphone FM Rx

### Average detector

| Frequency (MHz) | Measurement Result (dBμV/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBμV) | Limit (dBμV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17991.500       | 41.79                       | -26.80          | 42.30                 | 26.29                   | 54.00          | 12.21       | V                  |
| 17975.200       | 41.72                       | -26.80          | 42.30                 | 26.22                   | 54.00          | 12.28       | V                  |
| 17995.600       | 41.58                       | -26.80          | 42.30                 | 26.08                   | 54.00          | 12.42       | V                  |
| 17925.200       | 41.53                       | -26.80          | 42.30                 | 26.03                   | 54.00          | 12.47       | V                  |
| 17969.100       | 41.49                       | -26.80          | 42.30                 | 25.99                   | 54.00          | 12.51       | V                  |
| 17989.100       | 41.47                       | -26.80          | 42.30                 | 25.97                   | 54.00          | 12.53       | H                  |

### Peak detector

| Frequency (MHz) | Measurement Result (dBμV/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBμV) | Limit (dBμV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17990.500       | 52.21                       | -26.80          | 42.30                 | 36.71                   | 74.00          | 21.79       | H                  |
| 17975.500       | 51.89                       | -26.80          | 42.30                 | 36.39                   | 74.00          | 22.11       | V                  |
| 17976.500       | 51.84                       | -26.80          | 42.30                 | 36.34                   | 74.00          | 22.16       | V                  |
| 17971.400       | 51.81                       | -26.80          | 42.30                 | 36.31                   | 74.00          | 22.19       | V                  |
| 17969.700       | 51.71                       | -26.80          | 42.30                 | 36.21                   | 74.00          | 22.29       | V                  |
| 17992.500       | 51.65                       | -26.80          | 42.30                 | 36.15                   | 74.00          | 22.35       | V                  |

**Measurement results for Set.5:**
**USB Data Copy Mode: Copy data from EUT to PC with cable 1**
**Average detector**

| Frequency (MHz) | Measurement Result (dB $\mu$ V/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dB $\mu$ V) | Limit (dB $\mu$ V/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------------|-----------------|-----------------------|-------------------------------|----------------------|-------------|--------------------|
| 6056.800        | 47.71                             | -36.15          | 35.40                 | 48.46                         | 54.00                | 6.29        | V                  |
| 6057.200        | 46.21                             | -36.15          | 35.40                 | 46.96                         | 54.00                | 7.79        | V                  |
| 6056.500        | 44.46                             | -36.15          | 35.40                 | 45.21                         | 54.00                | 9.54        | V                  |
| 17978.600       | 42.07                             | -26.80          | 42.30                 | 26.57                         | 54.00                | 11.93       | H                  |
| 17967.700       | 41.89                             | -26.80          | 42.30                 | 26.39                         | 54.00                | 12.11       | H                  |
| 17986.100       | 41.75                             | -26.80          | 42.30                 | 26.25                         | 54.00                | 12.25       | H                  |

**Peak detector**

| Frequency (MHz) | Measurement Result (dB $\mu$ V/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dB $\mu$ V) | Limit (dB $\mu$ V/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------------|-----------------|-----------------------|-------------------------------|----------------------|-------------|--------------------|
| 17933.700       | 52.43                             | -26.80          | 42.30                 | 36.93                         | 74.00                | 21.57       | V                  |
| 17884.700       | 52.32                             | -26.80          | 42.30                 | 36.82                         | 74.00                | 21.68       | V                  |
| 17947.300       | 52.16                             | -26.80          | 42.30                 | 36.66                         | 74.00                | 21.84       | H                  |
| 17965.300       | 52.05                             | -26.80          | 42.30                 | 36.55                         | 74.00                | 21.95       | H                  |
| 17878.600       | 52.01                             | -26.80          | 42.30                 | 36.51                         | 74.00                | 21.99       | V                  |
| 17971.100       | 51.90                             | -26.80          | 42.30                 | 36.40                         | 74.00                | 22.10       | V                  |

**Measurement results for Set.6:**
**USB Data Copy Mode: Copy data from PC to EUT with Cable2**
**Average detector**

| Frequency (MHz) | Measurement Result (dB $\mu$ V/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dB $\mu$ V) | Limit (dB $\mu$ V/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------------|-----------------|-----------------------|-------------------------------|----------------------|-------------|--------------------|
| 6055.800        | 47.11                             | -36.15          | 35.40                 | 47.86                         | 54.00                | 6.89        | V                  |
| 6055.500        | 46.83                             | -36.15          | 35.40                 | 47.58                         | 54.00                | 7.17        | V                  |
| 6055.100        | 43.78                             | -36.15          | 35.40                 | 44.53                         | 54.00                | 10.22       | V                  |
| 17965.300       | 41.84                             | -26.80          | 42.30                 | 26.34                         | 54.00                | 12.16       | V                  |
| 17978.200       | 41.64                             | -26.80          | 42.30                 | 26.14                         | 54.00                | 12.36       | V                  |
| 17980.600       | 41.50                             | -26.80          | 42.30                 | 26.00                         | 54.00                | 12.50       | H                  |

### Peak detector

| Frequency (MHz) | Measurement Result (dBμV/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBμV) | Limit (dBμV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17973.100       | 52.60                       | -26.80          | 42.30                 | 37.10                   | 74.00          | 21.40       | H                  |
| 17852.800       | 52.02                       | -26.80          | 42.30                 | 36.52                   | 74.00          | 21.98       | H                  |
| 17840.900       | 51.93                       | -26.80          | 42.30                 | 36.43                   | 74.00          | 22.07       | V                  |
| 17903.100       | 51.84                       | -26.80          | 42.30                 | 36.34                   | 74.00          | 22.16       | H                  |
| 17915.700       | 51.83                       | -26.80          | 42.30                 | 36.33                   | 74.00          | 22.17       | V                  |
| 17976.900       | 51.82                       | -26.80          | 42.30                 | 36.32                   | 74.00          | 22.18       | H                  |

### Measurement results for Set.7:

#### USB Data Copy Mode: Copy data from SD Card to PC with Cable3

### Average detector

| Frequency (MHz) | Measurement Result (dBμV/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBμV) | Limit (dBμV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 6054.400        | 47.37                       | -36.15          | 35.40                 | 48.12                   | 54.00          | 6.63        | V                  |
| 6054.800        | 46.89                       | -36.15          | 35.40                 | 47.64                   | 54.00          | 7.11        | V                  |
| 6054.100        | 42.77                       | -36.15          | 35.40                 | 43.52                   | 54.00          | 11.23       | V                  |
| 17993.200       | 41.78                       | -26.80          | 42.30                 | 26.28                   | 54.00          | 12.22       | V                  |
| 17982.700       | 41.77                       | -26.80          | 42.30                 | 26.27                   | 54.00          | 12.23       | H                  |
| 6055.100        | 41.69                       | -36.15          | 35.40                 | 42.44                   | 54.00          | 12.31       | V                  |

### Peak detector

| Frequency (MHz) | Measurement Result (dBμV/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBμV) | Limit (dBμV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17830.300       | 52.07                       | -26.80          | 42.30                 | 36.57                   | 74.00          | 21.93       | V                  |
| 17983.000       | 51.92                       | -26.80          | 42.30                 | 36.42                   | 74.00          | 22.08       | H                  |
| 17968.000       | 51.82                       | -26.80          | 42.30                 | 36.32                   | 74.00          | 22.18       | V                  |
| 17979.600       | 51.75                       | -26.80          | 42.30                 | 36.25                   | 74.00          | 22.25       | V                  |
| 17970.400       | 51.72                       | -26.80          | 42.30                 | 36.22                   | 74.00          | 22.28       | H                  |
| 17998.000       | 51.67                       | -26.80          | 42.30                 | 36.17                   | 74.00          | 22.33       | V                  |



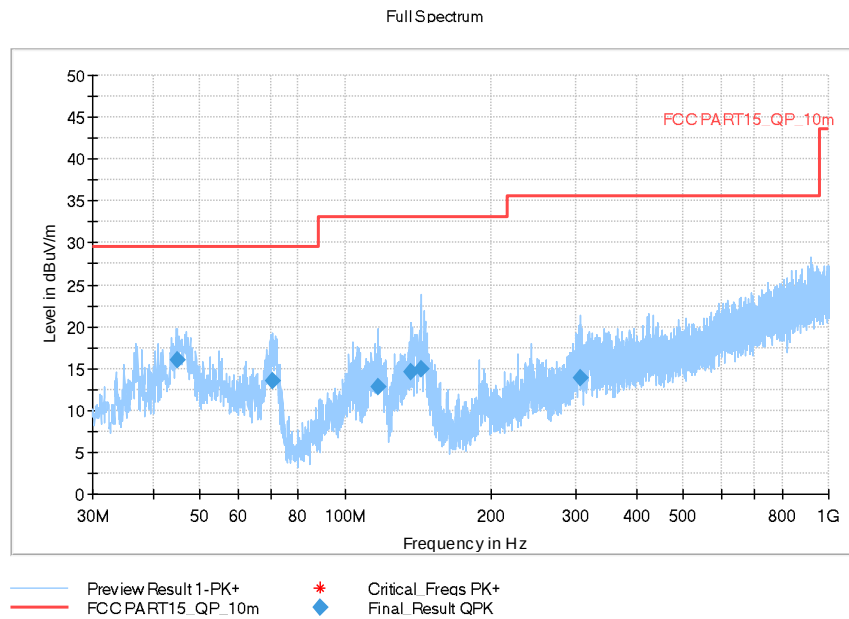
**Measurement results for Set.8:**
**USB Data Copy Mode: Copy data from PC to SD Card with Cable4**
**Average detector**

| Frequency (MHz) | Measurement Result (dB $\mu$ V/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dB $\mu$ V) | Limit (dB $\mu$ V/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------------|-----------------|-----------------------|-------------------------------|----------------------|-------------|--------------------|
| 6053.800        | 47.85                             | -36.15          | 35.40                 | 48.60                         | 54.00                | 6.15        | V                  |
| 6054.100        | 45.61                             | -36.15          | 35.40                 | 46.36                         | 54.00                | 8.39        | V                  |
| 6053.400        | 44.80                             | -36.15          | 35.40                 | 45.55                         | 54.00                | 9.20        | V                  |
| 17985.000       | 41.83                             | -26.80          | 42.30                 | 26.33                         | 54.00                | 12.17       | H                  |
| 17971.400       | 41.72                             | -26.80          | 42.30                 | 26.22                         | 54.00                | 12.28       | H                  |
| 17984.000       | 41.71                             | -26.80          | 42.30                 | 26.21                         | 54.00                | 12.29       | V                  |

**Peak detector**

| Frequency (MHz) | Measurement Result (dB $\mu$ V/m) | Cable loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dB $\mu$ V) | Limit (dB $\mu$ V/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------------|-----------------|-----------------------|-------------------------------|----------------------|-------------|--------------------|
| 17971.400       | 52.09                             | -26.80          | 42.30                 | 36.59                         | 74.00                | 21.91       | H                  |
| 17966.700       | 52.03                             | -26.80          | 42.30                 | 36.53                         | 74.00                | 21.97       | H                  |
| 17979.900       | 52.01                             | -26.80          | 42.30                 | 36.51                         | 74.00                | 21.99       | H                  |
| 17919.100       | 51.97                             | -26.80          | 42.30                 | 36.47                         | 74.00                | 22.03       | H                  |
| 17983.000       | 51.84                             | -26.80          | 42.30                 | 36.34                         | 74.00                | 22.16       | H                  |
| 17974.800       | 51.73                             | -26.80          | 42.30                 | 36.23                         | 74.00                | 22.27       | V                  |

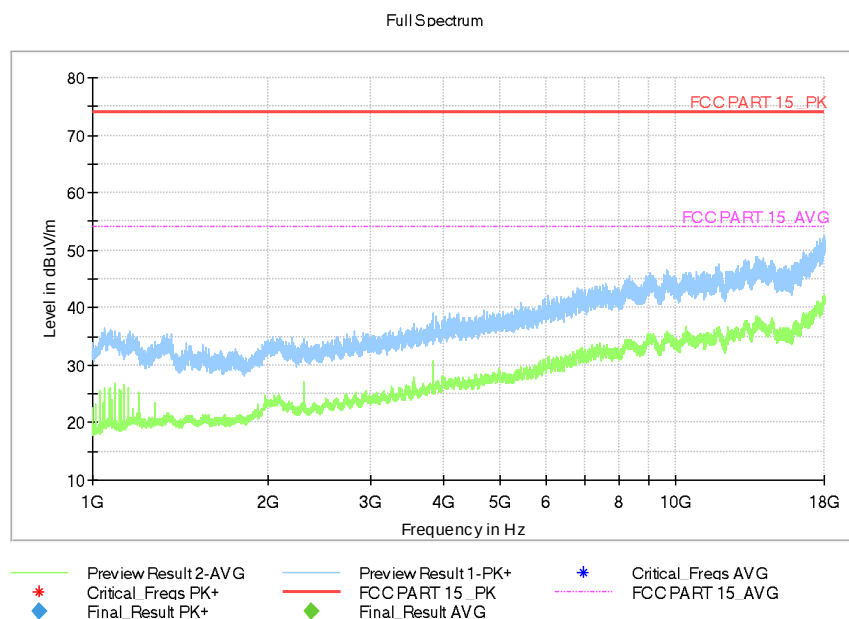
### Measurement results for Set.1(Adapter1+Cable1+ Front Camera):



**Fig A.1 Radiated Emission from 30MHz to 1GHz**

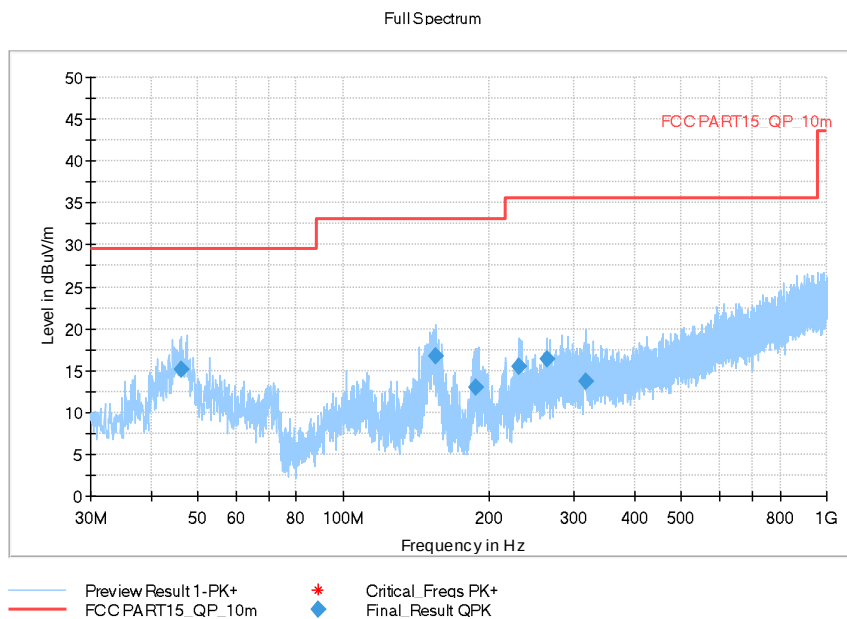
#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|
| 44.792500       | 15.98              | 29.54          | 13.56       | 120.000         | 118.0       | V   | 45.0          |
| 70.643000       | 13.55              | 29.54          | 15.99       | 120.000         | 175.0       | V   | 285.0         |
| 116.815000      | 12.84              | 33.06          | 20.22       | 120.000         | 325.0       | V   | 15.0          |
| 136.700000      | 14.65              | 33.06          | 18.41       | 120.000         | 275.0       | V   | 166.0         |
| 143.296000      | 15.02              | 33.06          | 18.04       | 120.000         | 175.0       | V   | -36.0         |
| 307.080500      | 13.81              | 35.56          | 21.75       | 120.000         | 125.0       | V   | 75.0          |



**Fig A.2 Radiated Emission from 1GHz to 18GHz**

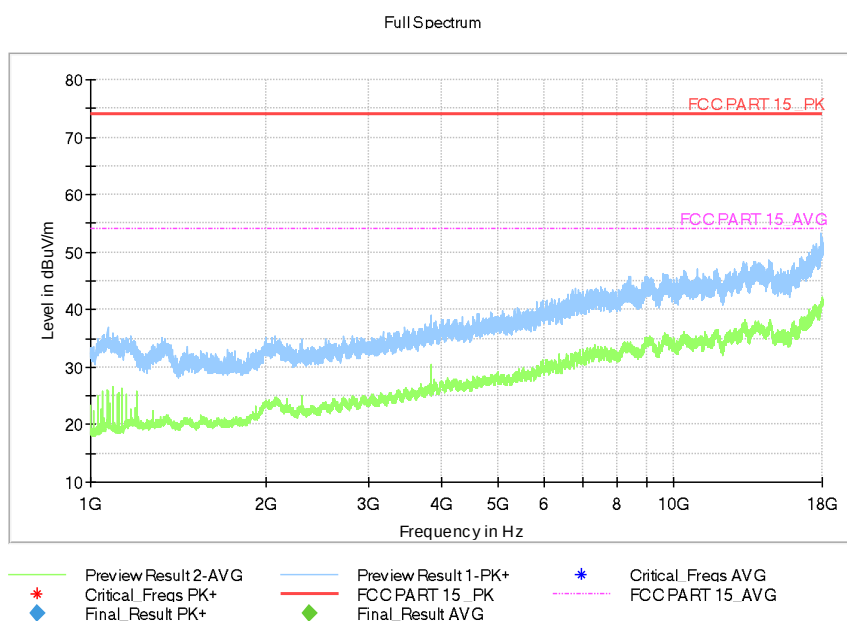
### Measurement results for Set.2(Adapter2+Cable2+Rear Camera):



**Fig A.3 Radiated Emission from 30MHz to 1GHz**

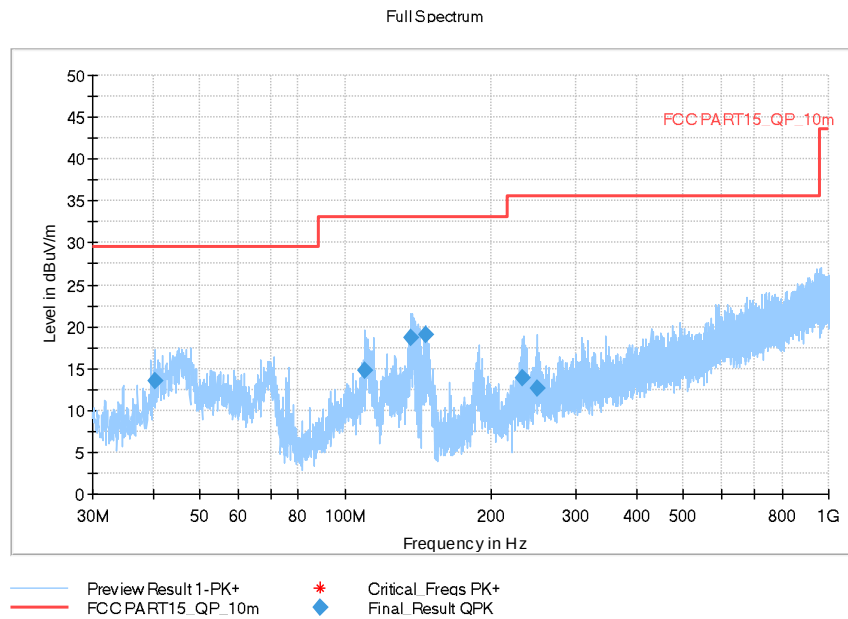
#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|
| 46.247500       | 15.21              | 29.54          | 14.33       | 120.000         | 125.0       | V   | 203.0         |
| 154.742000      | 16.76              | 33.06          | 16.30       | 120.000         | 108.0       | V   | 143.0         |
| 188.546500      | 13.01              | 33.06          | 20.05       | 120.000         | 125.0       | V   | 89.0          |
| 230.838500      | 15.53              | 35.56          | 20.03       | 120.000         | 100.0       | V   | 90.0          |
| 263.770000      | 16.29              | 35.56          | 19.27       | 120.000         | 100.0       | V   | 61.0          |
| 317.847500      | 13.77              | 35.56          | 21.79       | 120.000         | 100.0       | V   | 106.0         |



**Fig A.4 Radiated Emission from 1GHz to 18GHz**

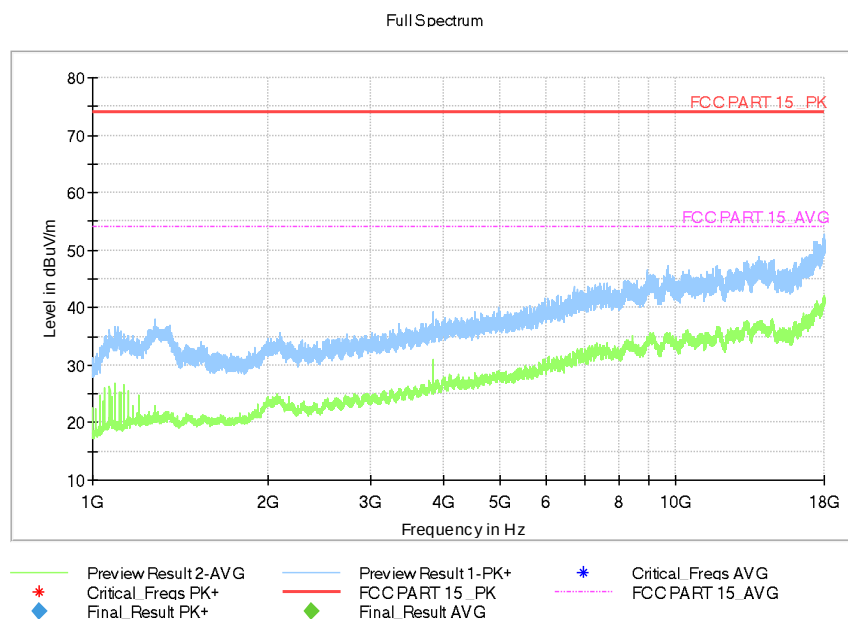
### Measurement results for Set.3(Adapter1+Cable1+MP4 player from SD Card):



**Fig A.5 Radiated Emission from 30MHz to 1GHz**

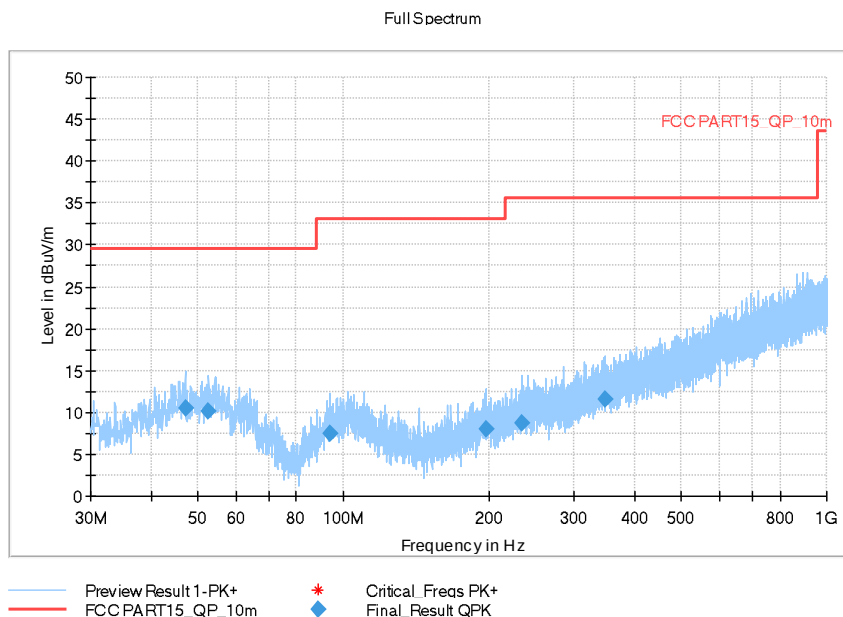
#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|
| 37.129500       | 12.29              | 29.54          | 17.25       | 120.000         | 275.0       | V   | 23.0          |
| 47.557000       | 14.08              | 29.54          | 15.46       | 120.000         | 101.0       | V   | 270.0         |
| 75.299000       | 11.84              | 29.54          | 17.70       | 120.000         | 225.0       | V   | -23.0         |
| 112.450000      | 17.39              | 33.06          | 15.67       | 120.000         | 104.0       | V   | 190.0         |
| 183.551000      | 8.80               | 33.06          | 24.26       | 120.000         | 190.0       | V   | 61.0          |
| 190.438000      | 10.82              | 33.06          | 22.24       | 120.000         | 183.0       | V   | 256.0         |



**Fig A.6 Radiated Emission from 1GHz to 18GHz**

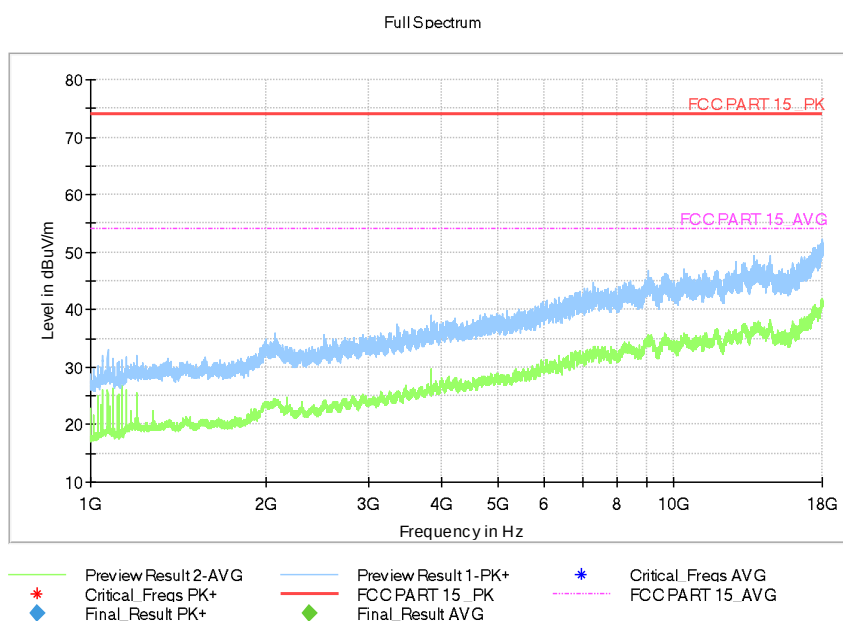
### Measurement results for Set.4(Earphone FM Rx):



**Fig A.7 Radiated Emission from 30MHz to 1GHz**

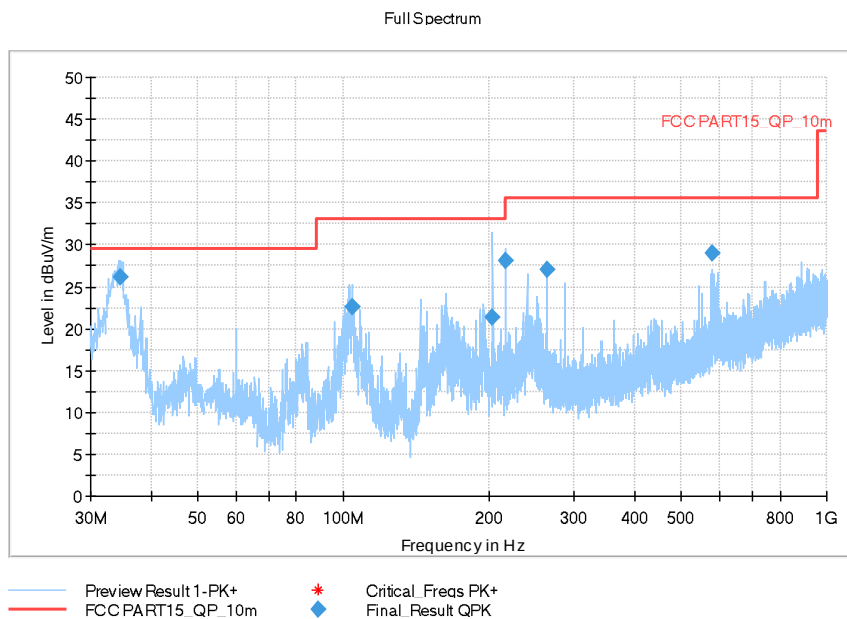
### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|
| 47.072000       | 10.45              | 29.54          | 19.09       | 120.000         | 125.0       | V   | -37.0         |
| 52.649500       | 10.09              | 29.54          | 19.45       | 120.000         | 108.0       | V   | 315.0         |
| 93.874500       | 7.49               | 33.06          | 25.57       | 120.000         | 283.0       | H   | 158.0         |
| 197.131000      | 8.01               | 33.06          | 25.05       | 120.000         | 175.0       | H   | 135.0         |
| 234.524500      | 8.68               | 35.56          | 26.88       | 120.000         | 325.0       | H   | 233.0         |
| 346.947500      | 11.50              | 35.56          | 24.06       | 120.000         | 225.0       | V   | 46.0          |



**Fig A.8 Radiated Emission from 1GHz to 18GHz**

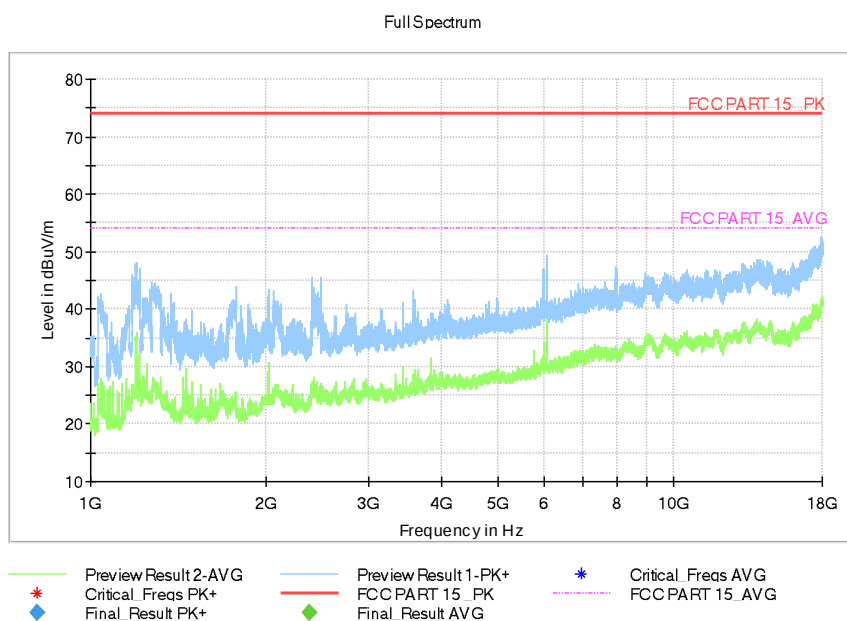
### Measurement results for Set.5(Copy data from EUT to PC ):



**Fig A.9 Radiated Emission from 30MHz to 1GHz**

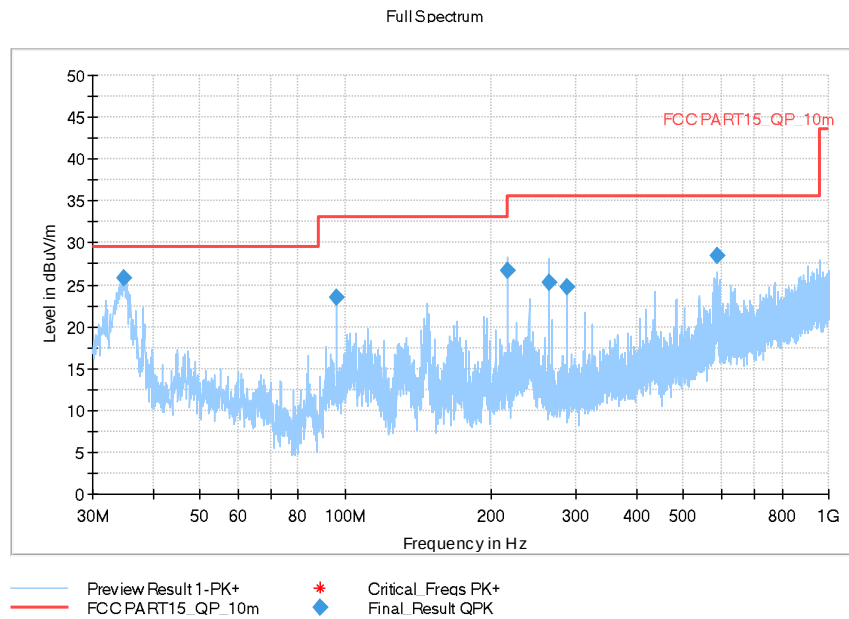
#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|
| 34.462000       | 26.16              | 29.54          | 3.38        | 120.000         | 325.0       | V   | -44.0         |
| 104.108000      | 22.68              | 33.06          | 10.38       | 120.000         | 108.0       | V   | 233.0         |
| 203.775500      | 21.39              | 33.06          | 11.67       | 120.000         | 293.0       | H   | -8.0          |
| 215.997500      | 28.15              | 33.06          | 4.91        | 120.000         | 118.0       | V   | 45.0          |
| 263.964000      | 27.00              | 35.56          | 8.56        | 120.000         | 317.0       | H   | 172.0         |
| 579.359500      | 29.08              | 35.56          | 6.48        | 120.000         | 206.0       | V   | -45.0         |



**Fig A.10 Radiated Emission from 1GHz to 18GHz**

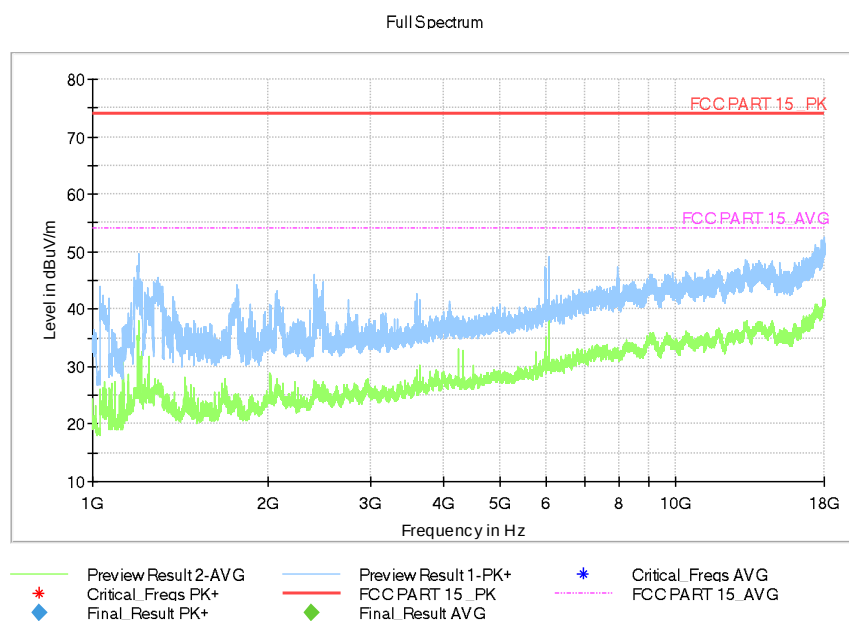
### Measurement results for Set.6(Copy data from PC to EUT ):



**Fig A.11 Radiated Emission from 30MHz to 1GHz**

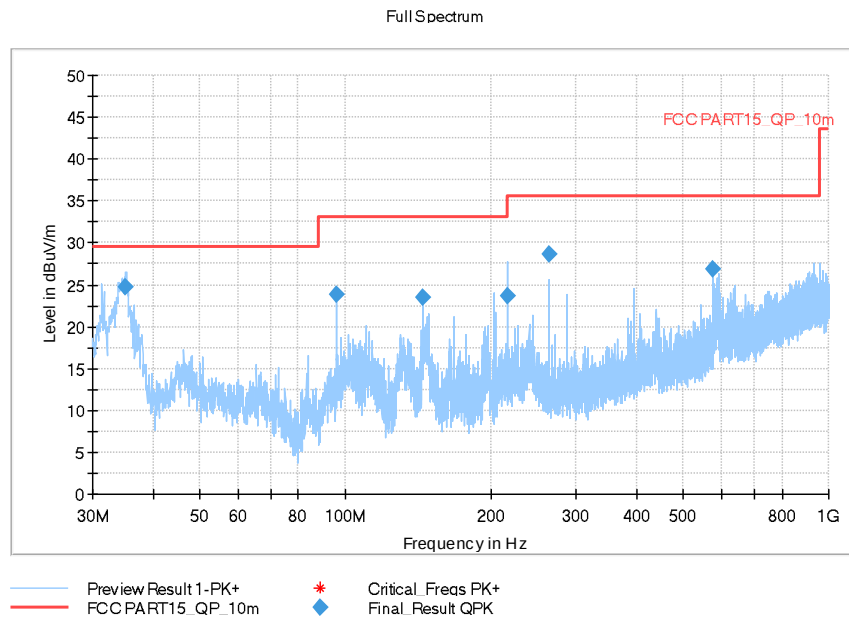
### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|
| 34.898500       | 25.78              | 29.54          | 3.76        | 120.000         | 306.0       | V   | 188.0         |
| 95.960000       | 23.56              | 33.06          | 9.50        | 120.000         | 125.0       | V   | 30.0          |
| 215.997500      | 26.69              | 33.06          | 6.37        | 120.000         | 289.0       | H   | 158.0         |
| 264.061000      | 25.21              | 35.56          | 10.35       | 120.000         | 325.0       | H   | 9.0           |
| 287.971500      | 24.77              | 35.56          | 10.79       | 120.000         | 225.0       | H   | 179.0         |
| 588.817000      | 28.49              | 35.56          | 7.07        | 120.000         | 225.0       | V   | -37.0         |



**Fig A.12 Radiated Emission from 1GHz to 18GHz**

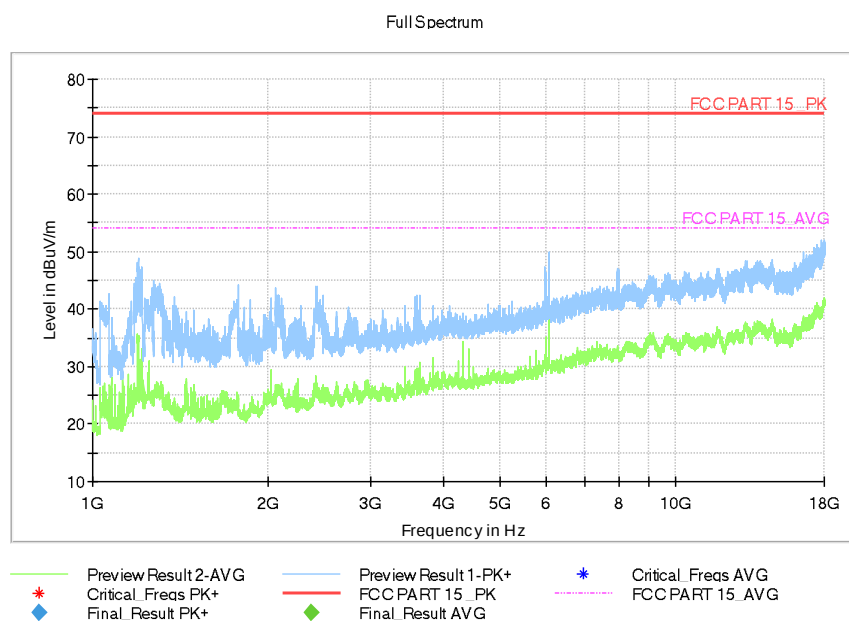
### Measurement results for Set.7(Copy data from SD Card to PC):



**Fig A.13 Radiated Emission from 30MHz to 1GHz**

#### Final Result 1

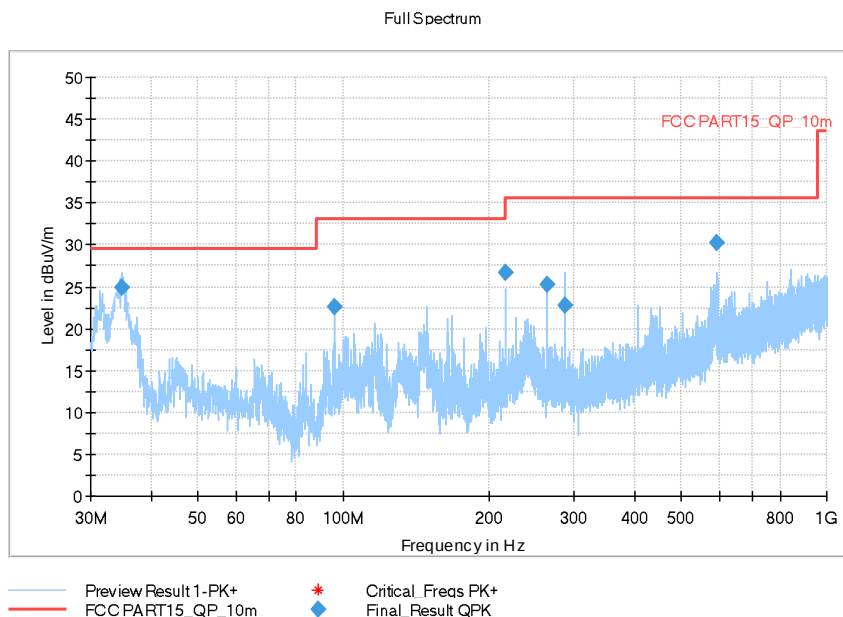
| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|
| 35.141000       | 24.78              | 29.54          | 4.76        | 120.000         | 100.0       | V   | 24.0          |
| 95.960000       | 23.80              | 33.06          | 9.26        | 120.000         | 107.0       | V   | 23.0          |
| 144.217500      | 23.52              | 33.06          | 9.54        | 120.000         | 125.0       | V   | -44.0         |
| 215.949000      | 23.70              | 33.06          | 9.36        | 120.000         | 125.0       | V   | 271.0         |
| 263.867000      | 28.60              | 35.56          | 6.96        | 120.000         | 316.0       | H   | 13.0          |
| 576.643500      | 26.85              | 35.56          | 8.71        | 120.000         | 225.0       | V   | -45.0         |



**Fig A.14 Radiated Emission from 1GHz to 18GHz**



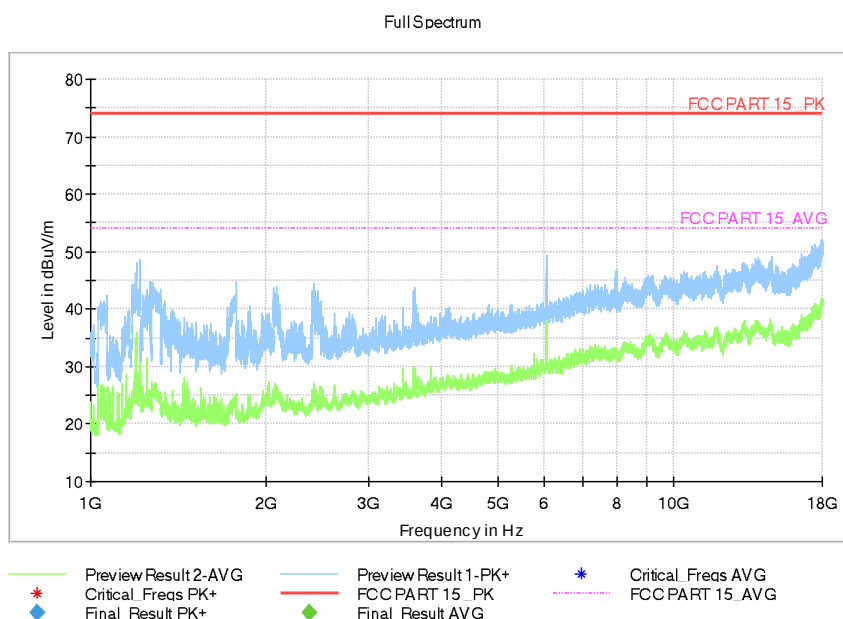
### Measurement results for Set.8(Copy data from PC to SD Card):



**Fig A.15 Radiated Emission from 30MHz to 1GHz**

### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|
| 34.704500       | 24.90              | 29.54          | 4.64        | 120.000         | 216.0       | V   | 135.0         |
| 95.911500       | 22.60              | 33.06          | 10.46       | 120.000         | 194.0       | V   | 45.0          |
| 215.997500      | 26.74              | 33.06          | 6.32        | 120.000         | 283.0       | H   | 165.0         |
| 263.818500      | 25.29              | 35.56          | 10.27       | 120.000         | 325.0       | H   | 0.0           |
| 288.020000      | 22.78              | 35.56          | 12.78       | 120.000         | 107.0       | V   | 296.0         |
| 592.600000      | 30.32              | 35.56          | 5.24        | 120.000         | 217.0       | V   | 308.0         |



**Fig A.16 Radiated Emission from 1GHz to 18GHz**

## A.2 Conducted Emission

### Reference

FCC: CFR Part 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 – 2014, section 7.3.

### 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 M4000E-17, and the serial number of the PC is M706GWXD. The software is used to let the PC keep on copying data to MS, reading and erasing the data after copy action was finished.

Note: I/O information: Printer – USB, Mouse – PS/2, Keyboard – USB.

### A.2.3 Measurement Limit

| Frequency of emission (MHz)                    | Conducted limit (dBμV) |           |
|------------------------------------------------|------------------------|-----------|
|                                                | 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/IF bandwidth | Sweep Time(s) |
| 9kHz             | 1             |

### A.2.5 Measurement Results

Measurement uncertainty:  $U = 3.08 \text{ dB}$ ,  $k=2$ .

Charging Mode, Set.1(Adapter1+Cable1+ Front Camera):

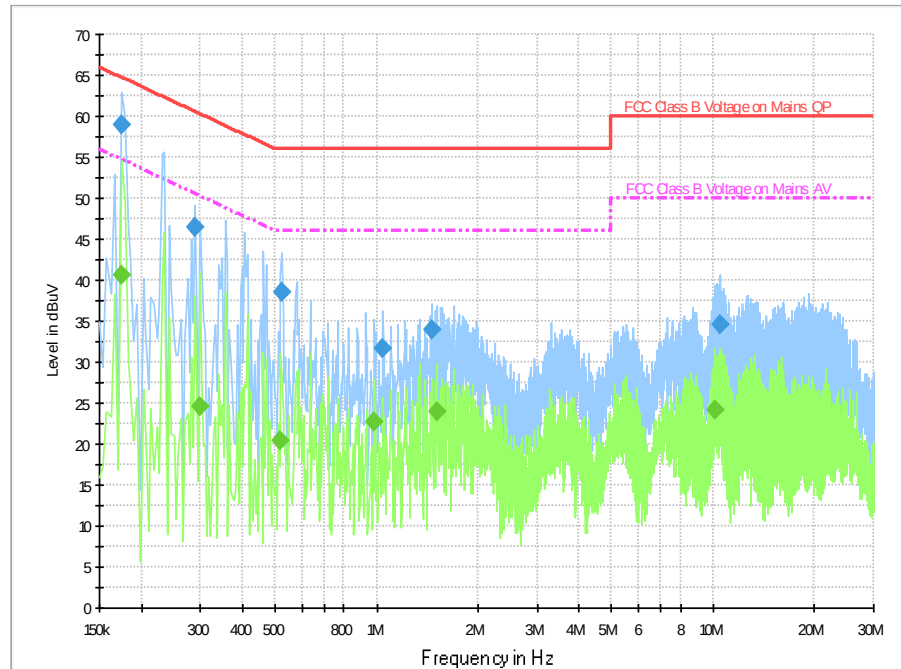


Fig A.17 Conducted Emission from 150kHz to 30MHz

#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.174000        | 59.0             | 2000.0          | 9.000           | On     | L1   | 19.9       | 5.8         | 64.8         |         |
| 0.290000        | 46.4             | 2000.0          | 9.000           | On     | N    | 19.8       | 14.1        | 60.5         |         |
| 0.522000        | 38.5             | 2000.0          | 9.000           | On     | N    | 19.9       | 17.5        | 56.0         |         |
| 1.046000        | 31.7             | 2000.0          | 9.000           | On     | N    | 19.7       | 24.3        | 56.0         |         |
| 1.458000        | 33.9             | 2000.0          | 9.000           | On     | L1   | 19.9       | 22.1        | 56.0         |         |
| 10.490000       | 34.6             | 2000.0          | 9.000           | On     | L1   | 19.9       | 25.4        | 60.0         |         |

#### Final Result 2

| Frequency (MHz) | Average (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.174000        | 40.6           | 2000.0          | 9.000           | On     | L1   | 19.9       | 14.2        | 54.8         |         |
| 0.298000        | 24.6           | 2000.0          | 9.000           | On     | L1   | 19.9       | 25.7        | 50.3         |         |
| 0.518000        | 20.5           | 2000.0          | 9.000           | On     | L1   | 20.0       | 25.5        | 46.0         |         |
| 0.986000        | 22.7           | 2000.0          | 9.000           | On     | L1   | 19.9       | 23.3        | 46.0         |         |
| 1.514000        | 24.0           | 2000.0          | 9.000           | On     | L1   | 19.9       | 22.0        | 46.0         |         |
| 10.138000       | 24.2           | 2000.0          | 9.000           | On     | L1   | 19.9       | 25.8        | 50.0         |         |

Charging Mode, Set.2(Adapter2+Cable2+Rear Camera):

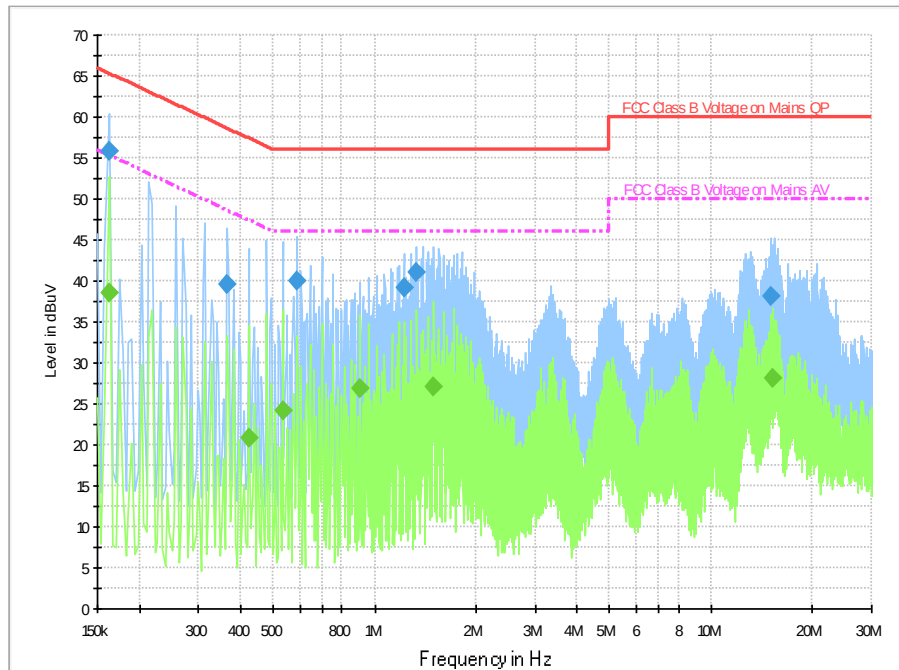


Fig A.18 Conducted Emission from 150kHz to 30MHz

#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.162000        | 55.9             | 2000.0          | 9.000           | On     | L1   | 19.9       | 9.5         | 65.4         |         |
| 0.366000        | 39.6             | 2000.0          | 9.000           | On     | N    | 19.8       | 19.0        | 58.6         |         |
| 0.590000        | 40.0             | 2000.0          | 9.000           | On     | N    | 19.9       | 16.0        | 56.0         |         |
| 1.222000        | 39.2             | 2000.0          | 9.000           | On     | L1   | 19.9       | 16.8        | 56.0         |         |
| 1.334000        | 41.1             | 2000.0          | 9.000           | On     | L1   | 19.9       | 14.9        | 56.0         |         |
| 15.118000       | 38.1             | 2000.0          | 9.000           | On     | L1   | 20.0       | 21.9        | 60.0         |         |

#### Final Result 2

| Frequency (MHz) | Average (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.162000        | 38.5           | 2000.0          | 9.000           | On     | L1   | 19.9       | 16.8        | 55.4         |         |
| 0.422000        | 20.8           | 2000.0          | 9.000           | On     | L1   | 20.0       | 26.6        | 47.4         |         |
| 0.534000        | 24.1           | 2000.0          | 9.000           | On     | L1   | 20.0       | 21.9        | 46.0         |         |
| 0.906000        | 26.9           | 2000.0          | 9.000           | On     | L1   | 19.9       | 19.1        | 46.0         |         |
| 1.502000        | 27.1           | 2000.0          | 9.000           | On     | L1   | 19.9       | 18.9        | 46.0         |         |
| 15.282000       | 28.1           | 2000.0          | 9.000           | On     | L1   | 20.0       | 21.9        | 50.0         |         |

Charging Mode, Set.3(Adapter1+Cable1+MP4 player from SD Card):

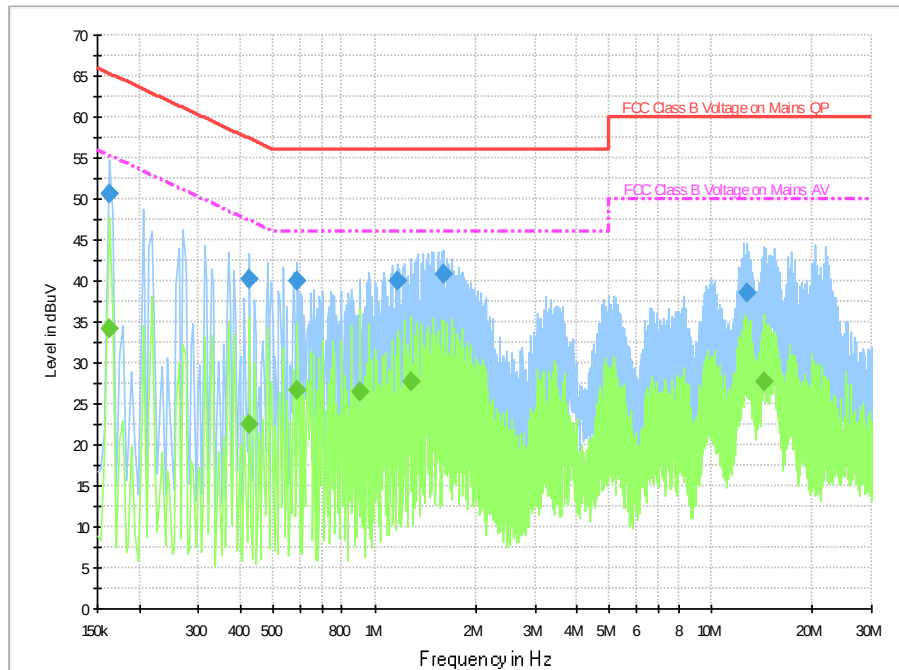


Fig A.19 Conducted Emission from 150kHz to 30MHz

#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.162000        | 50.6             | 2000.0          | 9.000           | On     | N    | 19.8       | 14.8        | 65.4         |         |
| 0.426000        | 40.2             | 2000.0          | 9.000           | On     | L1   | 20.0       | 17.1        | 57.3         |         |
| 0.590000        | 40.0             | 2000.0          | 9.000           | On     | N    | 19.9       | 16.0        | 56.0         |         |
| 1.166000        | 39.9             | 2000.0          | 9.000           | On     | N    | 19.7       | 16.1        | 56.0         |         |
| 1.598000        | 40.8             | 2000.0          | 9.000           | On     | L1   | 19.8       | 15.2        | 56.0         |         |
| 12.790000       | 38.6             | 2000.0          | 9.000           | On     | L1   | 20.0       | 21.4        | 60.0         |         |

#### Final Result 2

| Frequency (MHz) | Average (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.162000        | 34.2           | 2000.0          | 9.000           | On     | N    | 19.8       | 21.2        | 55.4         |         |
| 0.426000        | 22.5           | 2000.0          | 9.000           | On     | L1   | 20.0       | 24.8        | 47.3         |         |
| 0.590000        | 26.6           | 2000.0          | 9.000           | On     | N    | 19.9       | 19.4        | 46.0         |         |
| 0.906000        | 26.5           | 2000.0          | 9.000           | On     | N    | 19.7       | 19.5        | 46.0         |         |
| 1.282000        | 27.7           | 2000.0          | 9.000           | On     | L1   | 19.9       | 18.3        | 46.0         |         |
| 14.446000       | 27.7           | 2000.0          | 9.000           | On     | L1   | 20.0       | 22.3        | 50.0         |         |

USB Mode, Set.5(Copy data from EUT to PC):

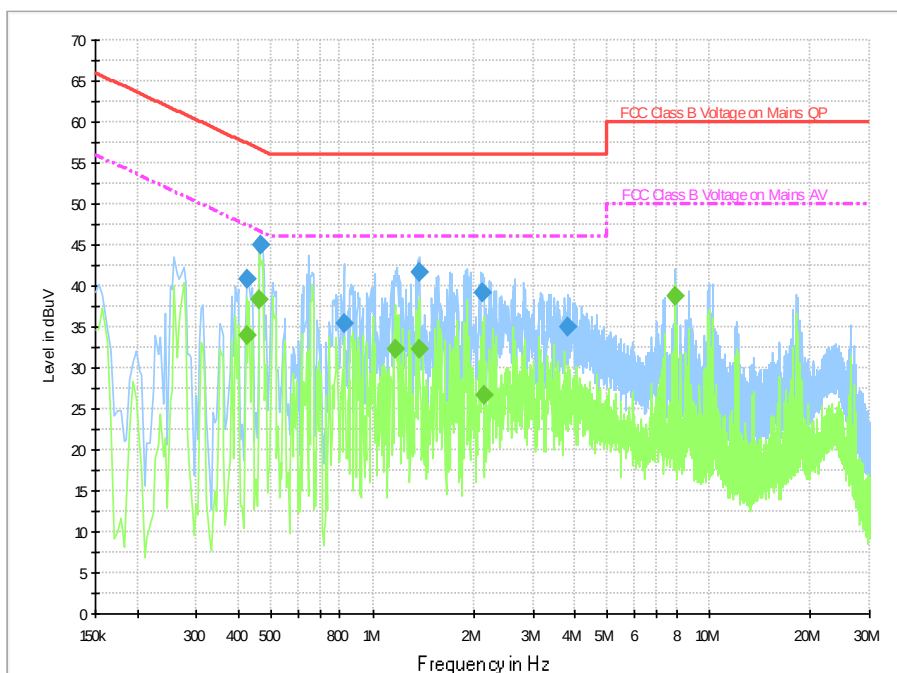


Fig A.20 Conducted Emission from 150kHz to 30MHz

#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.422000        | 40.8             | 2000.0          | 9.000           | On     | L1   | 20.0       | 16.7        | 57.4         |         |
| 0.466000        | 45.0             | 2000.0          | 9.000           | On     | L1   | 20.0       | 11.6        | 56.6         |         |
| 0.822000        | 35.4             | 2000.0          | 9.000           | On     | L1   | 19.9       | 20.6        | 56.0         |         |
| 1.370000        | 41.6             | 2000.0          | 9.000           | On     | L1   | 19.9       | 14.4        | 56.0         |         |
| 2.122000        | 39.2             | 2000.0          | 9.000           | On     | N    | 19.6       | 16.8        | 56.0         |         |
| 3.794000        | 34.9             | 2000.0          | 9.000           | On     | N    | 19.6       | 21.1        | 56.0         |         |

#### Final Result 2

| Frequency (MHz) | Average (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.422000        | 33.9           | 2000.0          | 9.000           | On     | L1   | 20.0       | 13.5        | 47.4         |         |
| 0.462000        | 38.3           | 2000.0          | 9.000           | On     | L1   | 20.0       | 8.4         | 46.7         |         |
| 1.166000        | 32.4           | 2000.0          | 9.000           | On     | L1   | 19.9       | 13.6        | 46.0         |         |
| 1.370000        | 32.2           | 2000.0          | 9.000           | On     | L1   | 19.9       | 13.8        | 46.0         |         |
| 2.134000        | 26.8           | 2000.0          | 9.000           | On     | N    | 19.6       | 19.2        | 46.0         |         |
| 7.922000        | 38.7           | 2000.0          | 9.000           | On     | N    | 19.7       | 11.3        | 50.0         |         |

USB Mode, Set.6(Copy data from PC to EUT ):

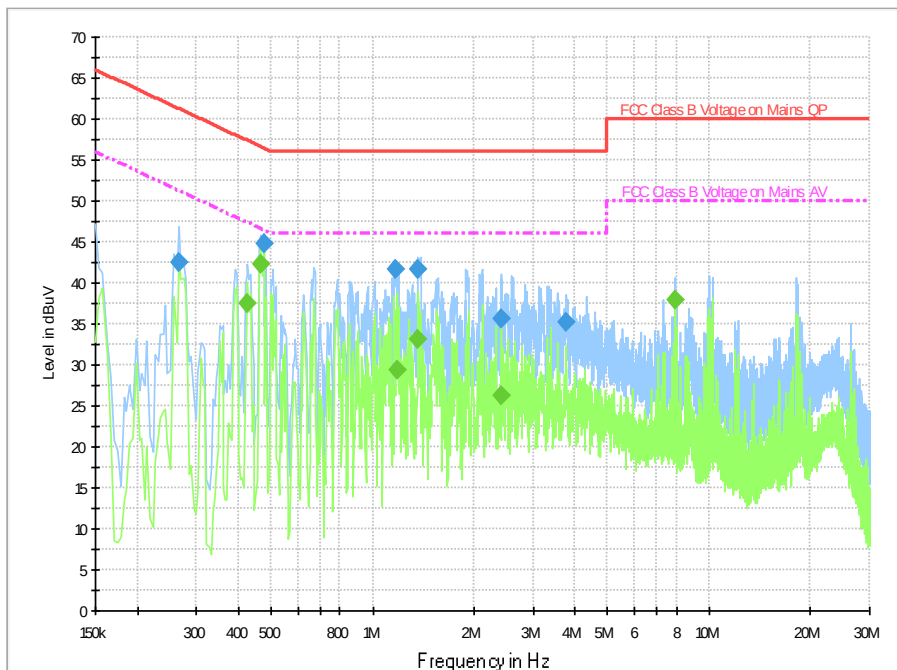


Fig A.21 Conducted Emission from 150kHz to 30MHz

#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.266000        | 42.6             | 2000.0          | 9.000           | On     | L1   | 19.9       | 18.7        | 61.2         |         |
| 0.474000        | 44.8             | 2000.0          | 9.000           | On     | L1   | 20.0       | 11.6        | 56.4         |         |
| 1.174000        | 41.6             | 2000.0          | 9.000           | On     | L1   | 19.9       | 14.4        | 56.0         |         |
| 1.366000        | 41.6             | 2000.0          | 9.000           | On     | L1   | 19.9       | 14.4        | 56.0         |         |
| 2.422000        | 35.5             | 2000.0          | 9.000           | On     | L1   | 19.8       | 20.5        | 56.0         |         |
| 3.754000        | 35.3             | 2000.0          | 9.000           | On     | N    | 19.6       | 20.7        | 56.0         |         |

#### Final Result 2

| Frequency (MHz) | Average (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.426000        | 37.5           | 2000.0          | 9.000           | On     | L1   | 20.0       | 9.8         | 47.3         |         |
| 0.466000        | 42.4           | 2000.0          | 9.000           | On     | L1   | 20.0       | 4.2         | 46.6         |         |
| 1.178000        | 29.4           | 2000.0          | 9.000           | On     | N    | 19.7       | 16.6        | 46.0         |         |
| 1.366000        | 33.1           | 2000.0          | 9.000           | On     | L1   | 19.9       | 12.9        | 46.0         |         |
| 2.422000        | 26.3           | 2000.0          | 9.000           | On     | L1   | 19.8       | 19.7        | 46.0         |         |
| 7.922000        | 37.9           | 2000.0          | 9.000           | On     | N    | 19.7       | 12.1        | 50.0         |         |

USB Mode, Set.7(Copy data from SD Card to PC):

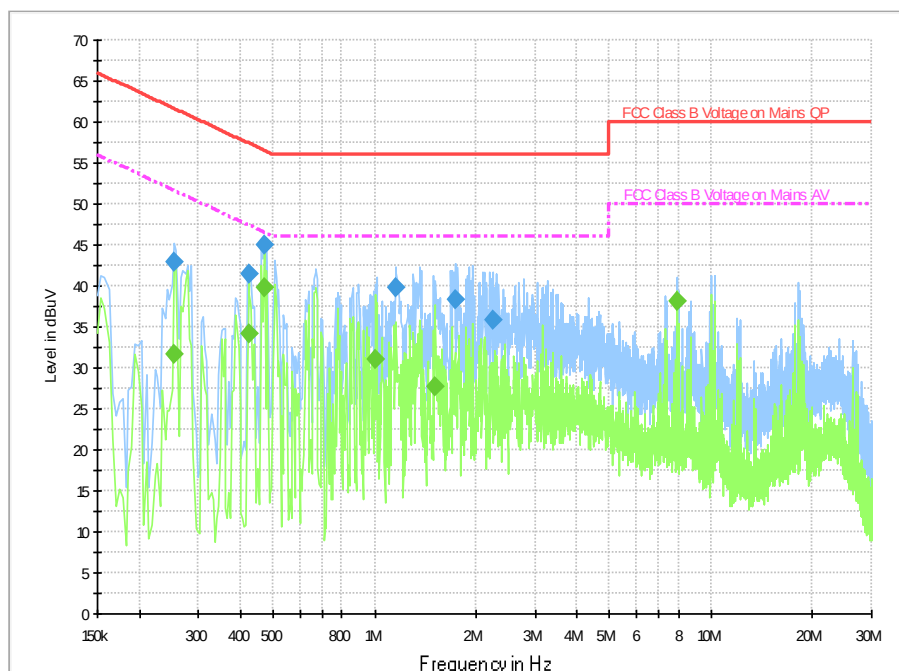


Fig A.22 Conducted Emission from 150kHz to 30MHz

#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.254000        | 42.9             | 2000.0          | 9.000           | On     | N    | 19.8       | 18.7        | 61.6         |         |
| 0.422000        | 41.4             | 2000.0          | 9.000           | On     | L1   | 20.0       | 16.0        | 57.4         |         |
| 0.470000        | 45.0             | 2000.0          | 9.000           | On     | N    | 19.9       | 11.5        | 56.5         |         |
| 1.154000        | 39.8             | 2000.0          | 9.000           | On     | L1   | 19.9       | 16.2        | 56.0         |         |
| 1.742000        | 38.4             | 2000.0          | 9.000           | On     | N    | 19.6       | 17.6        | 56.0         |         |
| 2.242000        | 35.8             | 2000.0          | 9.000           | On     | N    | 19.6       | 20.2        | 56.0         |         |

#### Final Result 2

| Frequency (MHz) | Average (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.254000        | 31.6           | 2000.0          | 9.000           | On     | N    | 19.8       | 20.0        | 51.6         |         |
| 0.422000        | 34.2           | 2000.0          | 9.000           | On     | L1   | 20.0       | 13.2        | 47.4         |         |
| 0.470000        | 39.7           | 2000.0          | 9.000           | On     | N    | 19.9       | 6.8         | 46.5         |         |
| 1.010000        | 31.1           | 2000.0          | 9.000           | On     | L1   | 19.9       | 14.9        | 46.0         |         |
| 1.506000        | 27.8           | 2000.0          | 9.000           | On     | L1   | 19.9       | 18.2        | 46.0         |         |
| 7.922000        | 38.1           | 2000.0          | 9.000           | On     | N    | 19.7       | 11.9        | 50.0         |         |



USB Mode, Set.8(Copy data from PC to SD Card):

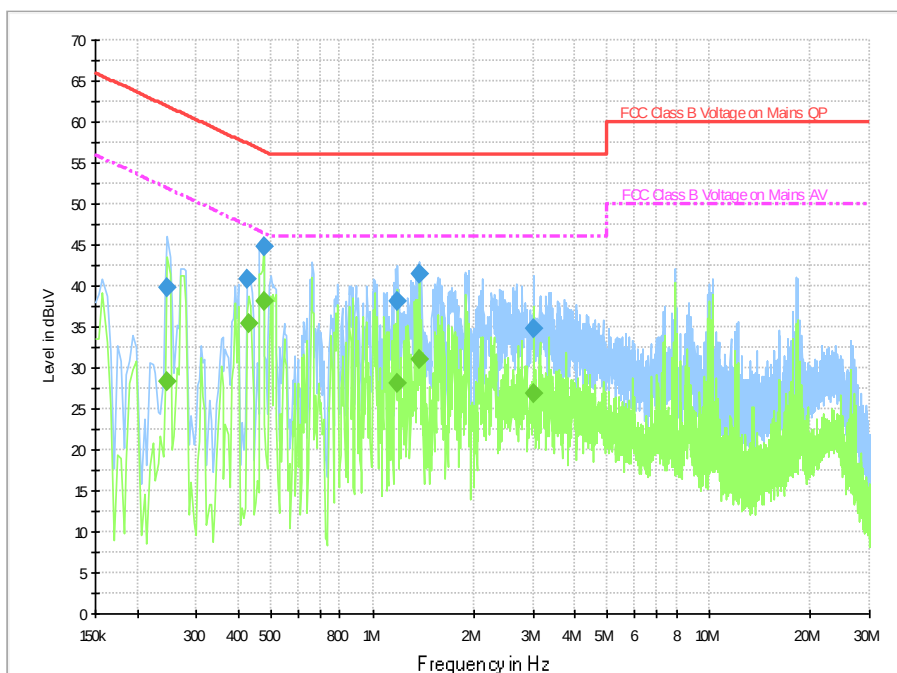


Fig A.23 Conducted Emission from 150kHz to 30MHz

#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.246000        | 39.7             | 2000.0          | 9.000           | On     | L1   | 19.9       | 22.2        | 61.9         |         |
| 0.426000        | 40.8             | 2000.0          | 9.000           | On     | L1   | 20.0       | 16.5        | 57.3         |         |
| 0.474000        | 44.9             | 2000.0          | 9.000           | On     | N    | 19.9       | 11.6        | 56.4         |         |
| 1.190000        | 38.1             | 2000.0          | 9.000           | On     | N    | 19.7       | 17.9        | 56.0         |         |
| 1.378000        | 41.4             | 2000.0          | 9.000           | On     | L1   | 19.9       | 14.6        | 56.0         |         |
| 2.998000        | 34.8             | 2000.0          | 9.000           | On     | N    | 19.6       | 21.2        | 56.0         |         |

#### Final Result 2

| Frequency (MHz) | Average (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.246000        | 28.3           | 2000.0          | 9.000           | On     | L1   | 19.9       | 23.6        | 51.9         |         |
| 0.430000        | 35.5           | 2000.0          | 9.000           | On     | N    | 19.9       | 11.8        | 47.3         |         |
| 0.474000        | 38.1           | 2000.0          | 9.000           | On     | N    | 19.9       | 8.4         | 46.4         |         |
| 1.190000        | 28.1           | 2000.0          | 9.000           | On     | N    | 19.7       | 17.9        | 46.0         |         |
| 1.378000        | 31.0           | 2000.0          | 9.000           | On     | L1   | 19.9       | 15.0        | 46.0         |         |
| 2.998000        | 26.8           | 2000.0          | 9.000           | On     | N    | 19.6       | 19.2        | 46.0         |         |

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