



# TEST REPORT

No. I23Z60660-EMC01

for

**TCL Communication Ltd.**

**Tablet PC**

**Model Name: 9166G**

**FCC ID: 2ACCJB204**

with

**Hardware Version: PIO**

**Software Version: JY1H**

**Issued Date: 2023-06-06**

**Note:**

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## **REPORT HISTORY**

<b>Report Number</b>	<b>Revision</b>	<b>Description</b>	<b>Issue Date</b>
I23Z60660-EMC01	Rev.0	1st edition	2023-05-17
I23Z60660-EMC01	Rev.1	Add the equipment: FM signal generator SMF100A	2023-06-06

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 17025:2005 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (CN0066). The detail accreditation scope can be found on NVLAP website.

### 1.2. Testing Location

#### CTTL (huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China100191

#### CTTL(BDA)

Address: No.18A, Kangding Street, Beijing Economic-Technology Development Area, Beijing, 100176, P. R. China

### 1.3. Testing Environment

Normal Temperature: 15-35° C

Relative Humidity: 20-75%

### 1.4. Project data

Testing Start Date: 2023-04-20

Testing End Date: 2023-05-12

### 1.5. Signature



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Zhang Ying

(Prepared this test report)



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An Hui

(Reviewed this test report)



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Shi Suolan

(Approved this test report)



## **2. Client Information**

### **2.1. Applicant Information**

Company Name: TCL Communication Ltd.  
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### **2.2. Manufacturer Information**

Company Name: TCL Communication Ltd.  
Address /Post: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science  
Park, Shatin, NT, Hong Kong  
Contact: Annie Jiang  
Email: nianxiang.jiang@tcl.com  
Telephone: +86 755 3661 1621

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

#### 3.1. About EUT

Description	Tablet PC
Model Name	9166G
FCC ID	2ACCJB204
Extreme vol. Limits	3.6VDC to 4.4VDC (nominal: 3.85VDC)

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	Note
UT11a	351556360001396	PIO	JY1H	/

\*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*	Name	Model	Manufacturer
AE1	Battery	TLp078CA	tianmao
AE2	Charger	FG18AQC3.0UU	Huizhou Juwei Electronics Co.,Ltd
AE3	USB cable	JWUB1526-M01R	Juwei Electroncs Co.,LTD

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

Note: The USB cables are shielded.

#### 3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.4	UT11a + AE1 + AE2 + AE3	EUT + CHARGING US
Set.5	UT11a + AE1 + AE3	EUT + USB
Set.6	UT11a + Headset	EUT + Headset FM

### 3.5. Test summary

EUT set-up No.	Test mode	Test result	
		Radiated Emission	Conducted Emission
Set.4	Charger+Real Camera+ RX GSM850	Pass	Pass
Set.4	Charger+Front Camera + RX WCDMA band 5	Pass	Pass
Set.4	Charger+MP4 + RX LTE band 5	Pass	Pass
Set.5	USB TO PC + RX LTE band 17	Pass	Pass
Set.6	FM	Pass	/

## 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	2021
ANSI C63.4	American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment 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** (23 meters×17meters×10meters) 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; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4
Normalised site attenuation (NSA)	< ± 4 dB, 3m/10m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio ( $S_{VSWR}$ )	Between 0 and 6 dB, from 1GHz to 18GHz

**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; 1MHz—1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω

## 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 (BDA)
2	Conducted Emission	15.107(a)	B.2	P	CTTL (Huayuan bei)

## 7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	Test Receiver	ESCI	100344	R&S	2024-02-21	1 year
2	LISN	ENV216	101200	R&S	2023-06-29	1 Year
3	Test Receiver	ESU26	100376	Rohde & Schwarz	2023-09-22	1 year
4	BiLog Antenna	VULB9163	01177	Schwarzbeck	2023-08-03	1 Year
5	Dual-Ridge Waveguide Horn Antenna	3117	00119024	ETS-Lindgren	2023-06-07	1 year
6	PC	E500-1042	2140770010640 901850	Tsinghua Tongfang	N/A	N/A
7	Printer	1160	33740	HP	N/A	N/A
8	Keyboard	/	/	/	N/A	N/A
9	Mouse	/	/	/	N/A	N/A
10	Signal generator	SMF100A	101295	R&S	2024-02-28	1 year

Test Item	Test Software and Version	Software Vendor
Conducted Emission	EMC32 V8.52.0	R&S
Radiated Emission	EMC32 V8.52.0	R&S

## **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 mode of MS and charging mode of MS) at distances of 3/10 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 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 EUT was tested while operating in licensed band Rx mode with Camera/MP3. 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.

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.

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

Frequency range (MHz)	Field strength limit ( $\mu\text{V}/\text{m}$ )		
	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:

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

Where

$G_A$ : Antenna factor of receive antenna

$G_{PL}$ : Path Loss

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

Measurement uncertainty:

Frequency range	Measurement uncertainty
30MHz-1GHz	5.73dB, k=2
1GHz-18GHz	5.58dB, k=2

**Measurement results for Set.4, Charger + REAR Camera + GSM 850 idle:**
**Charging Mode/QP detector**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
33.298000	29.9	40.0	10.1	100.0	V	51.0
38.051000	32.7	40.0	7.3	100.0	V	135.0
40.864000	28.2	40.0	11.8	100.0	V	192.0
45.520000	28.0	40.0	12.0	100.0	V	64.0
69.964000	27.0	40.0	13.0	100.0	V	294.0
197.519000	30.0	43.5	13.5	125.0	H	225.0

**Charging Mode/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)
16928.500	38.04	-27.2	41.3	23.88	54.0	16.0	V
16926.500	38.01	-27.2	41.3	23.84	54.0	16.0	V
16921.000	38.00	-27.2	41.3	23.82	54.0	16.0	V
16925.000	37.99	-27.2	41.3	23.82	54.0	16.0	V
17125.500	37.97	-26.9	40.9	23.99	54.0	16.0	V
16924.000	37.97	-27.2	41.3	23.80	54.0	16.0	V

**Charging Mode/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)
16926.000	50.7	-27.2	41.3	36.50	74.0	23.3	V
17033.000	50.5	-27.0	41.0	36.50	74.0	23.5	V
16709.500	50.4	-27.4	41.2	36.64	74.0	23.6	V
16103.000	50.4	-28.1	40.6	37.89	74.0	23.6	V
17574.000	50.3	-26.7	40.7	36.38	74.0	23.7	V
16666.500	50.3	-27.5	41.2	36.65	74.0	23.7	V

**Measurement results for Set.4, Charger + Front Camera + WCDMA 850 idle:**
**Charging Mode/QP detector**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
33.783000	30.0	40.0	10.0	100.0	V	45.0
37.081000	31.7	40.0	8.3	100.0	V	135.0
39.409000	30.6	40.0	9.4	100.0	V	90.0
45.617000	27.0	40.0	13.0	100.0	V	154.0
67.636000	25.9	40.0	14.1	100.0	V	225.0
80.925000	26.2	40.0	13.8	100.0	V	231.0

**Charging Mode/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)
16926.500	38.10	-27.2	41.3	23.94	54.0	15.9	V
16926.000	38.01	-27.2	41.3	23.85	54.0	16.0	V
16928.500	37.97	-27.2	41.3	23.81	54.0	16.0	V
16923.000	37.97	-27.2	41.3	23.80	54.0	16.0	V
16929.000	37.94	-27.2	41.3	23.78	54.0	16.1	V
16928.000	37.94	-27.2	41.3	23.78	54.0	16.1	V

**Charging Mode/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)
17238.000	50.7	-26.9	40.9	36.70	74.0	23.3	V
16848.000	50.6	-27.2	41.3	36.49	74.0	23.4	V
17033.000	50.6	-27.0	41.0	36.57	74.0	23.4	V
17400.000	50.5	-26.8	40.8	36.54	74.0	23.5	V
17494.500	50.4	-26.7	40.8	36.38	74.0	23.6	V
16925.500	50.3	-27.2	41.3	36.12	74.0	23.7	H

**Measurement results for Set.4, Charger + MP4 + LTE band 5 idle:**
**Charging Mode/QP detector**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
33.492000	30.1	40.0	9.9	100.0	V	90.0
37.663000	32.6	40.0	7.4	100.0	V	96.0
45.326000	26.3	40.0	13.7	100.0	V	45.0
63.756000	27.6	40.0	12.4	100.0	V	256.0
73.941000	26.4	40.0	13.6	113.0	H	179.0
81.604000	26.8	40.0	13.2	100.0	V	307.0

**Charging Mode/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)
16934.000	38.04	-27.1	41.3	23.89	54.0	16.0	V
16927.000	38.01	-27.2	41.3	23.85	54.0	16.0	V
16925.500	38.01	-27.2	41.3	23.84	54.0	16.0	V
16925.000	37.97	-27.2	41.3	23.80	54.0	16.0	V
16933.000	37.96	-27.1	41.3	23.81	54.0	16.0	V
16928.500	37.93	-27.2	41.3	23.77	54.0	16.1	V

**Charging Mode/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)
16947.000	50.7	-27.1	41.3	36.58	74.0	23.3	V
16938.500	50.7	-27.1	41.3	36.53	74.0	23.3	V
17190.500	50.5	-26.9	41.0	36.45	74.0	23.5	V
16939.500	50.5	-27.1	41.3	36.38	74.0	23.5	H
17616.500	50.5	-26.7	40.6	36.60	74.0	23.5	H
16669.500	50.3	-27.5	41.2	36.65	74.0	23.7	V



**Measurement results for Set.5, USB + LTE B17 idle:**
**Charging Mode/QP detector**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
30.291000	30.0	40.0	10.0	100.0	V	-20.0
35.820000	26.2	40.0	13.8	100.0	V	-20.0
44.841000	26.1	40.0	13.9	100.0	V	231.0
66.084000	26.4	40.0	13.6	100.0	V	135.0
202.563000	25.1	43.5	18.4	113.0	H	295.0
614.425000	41.3	46.0	4.7	100.0	V	12.0

**Charging Mode/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)
16934.000	38.04	-27.1	41.3	23.89	54.0	16.0	V
16927.000	38.01	-27.2	41.3	23.85	54.0	16.0	V
16925.500	38.01	-27.2	41.3	23.84	54.0	16.0	V
16925.000	37.97	-27.2	41.3	23.80	54.0	16.0	V
16933.000	37.96	-27.1	41.3	23.81	54.0	16.0	V
16928.500	37.93	-27.2	41.3	23.77	54.0	16.1	V

**Charging Mode/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)
16571.500	50.7	-27.6	41.1	37.27	74.0	23.3	H
16931.000	50.6	-27.1	41.3	36.43	74.0	23.4	V
16536.000	50.5	-27.6	41.0	37.06	74.0	23.5	V
16633.000	50.2	-27.6	41.1	36.63	74.0	23.8	V
16914.500	50.1	-27.2	41.4	35.92	74.0	23.9	V
16499.000	50.1	-27.6	41.0	36.68	74.0	23.9	H

**Measurement results for Set.6, FM:**
**Charging Mode/QP detector**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
37.954000	25.7	40.0	14.3	100.0	V	154.0
38.924000	21.3	40.0	18.7	100.0	V	-45.0
39.506000	19.9	40.0	20.1	100.0	V	-27.0
52.504000	27.3	40.0	12.7	125.0	V	-1.0
64.047000	26.6	40.0	13.4	100.0	V	262.0
931.518000	32.5	46.0	13.5	100.0	V	154.0

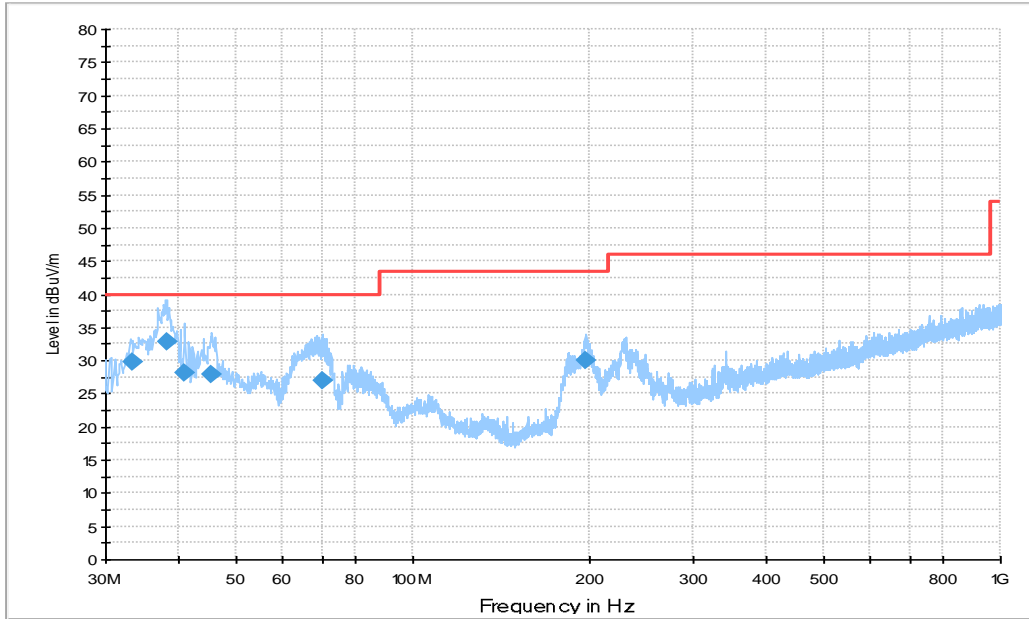
**Charging Mode/Average detector**

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)
16929.500	38.15	-27.2	41.3	23.99	54.0	15.9	V
16931.000	38.13	-27.1	41.3	23.97	54.0	15.9	V
16924.000	38.00	-27.2	41.3	23.83	54.0	16.0	V
16918.500	37.97	-27.2	41.3	23.79	54.0	16.0	V
16935.000	37.96	-27.1	41.3	23.81	54.0	16.0	V
16932.500	37.96	-27.1	41.3	23.81	54.0	16.0	V

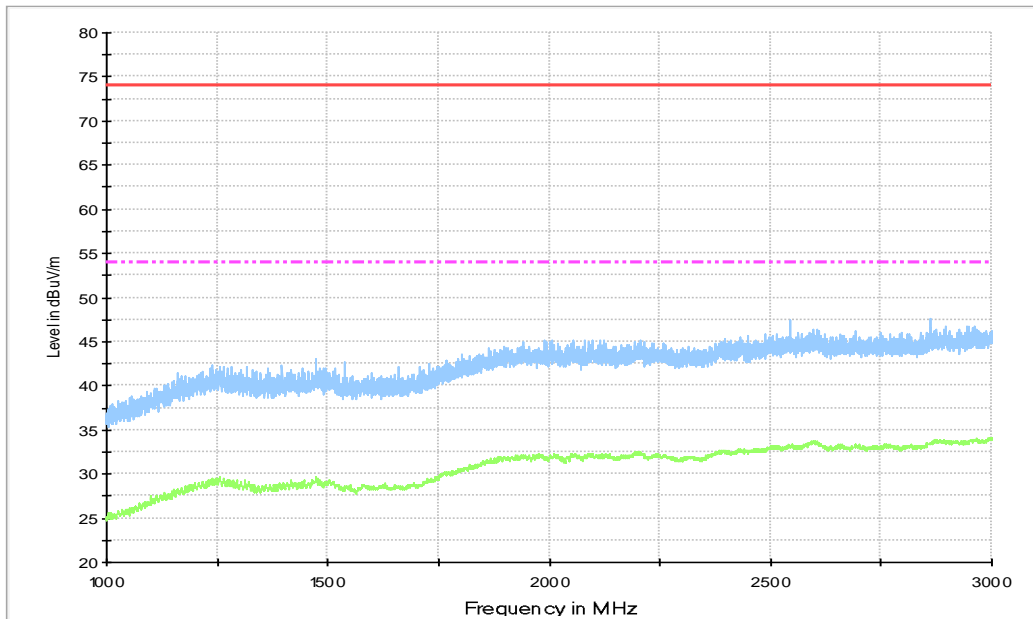
**Charging Mode/Peak detector**

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)
16501.000	50.4	-27.6	41.0	37.05	74.0	23.6	V
16924.000	50.3	-27.2	41.3	36.11	74.0	23.7	V
16858.000	50.2	-27.2	41.4	36.12	74.0	23.8	H
16557.000	50.2	-27.6	41.1	36.78	74.0	23.8	V
17108.000	50.1	-27.0	40.9	36.11	74.0	23.9	V
17322.000	50.0	-26.9	40.8	36.09	74.0	24.0	V

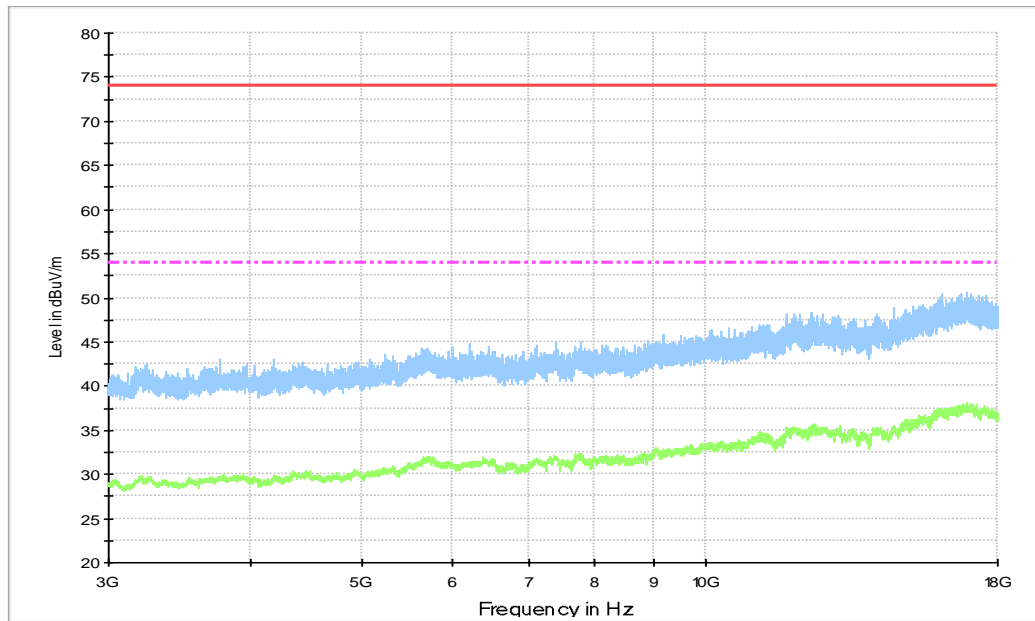
**Measurement results for Set.4, Charger + REAR Camera + GSM 850 idle:**



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

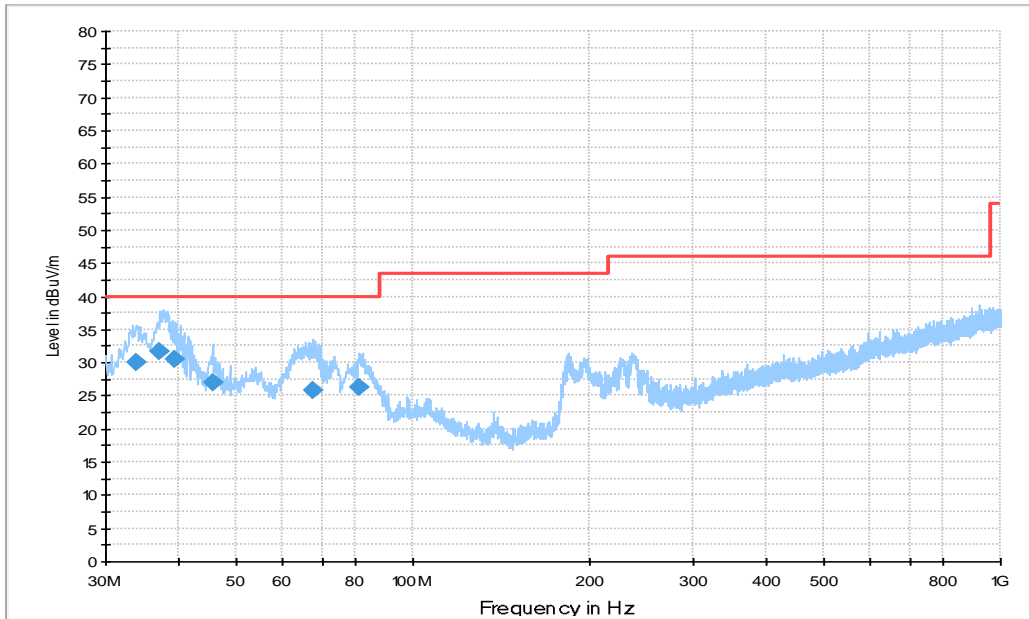


**Fig A.2 Radiated Emission from 1GHz to 3GHz**

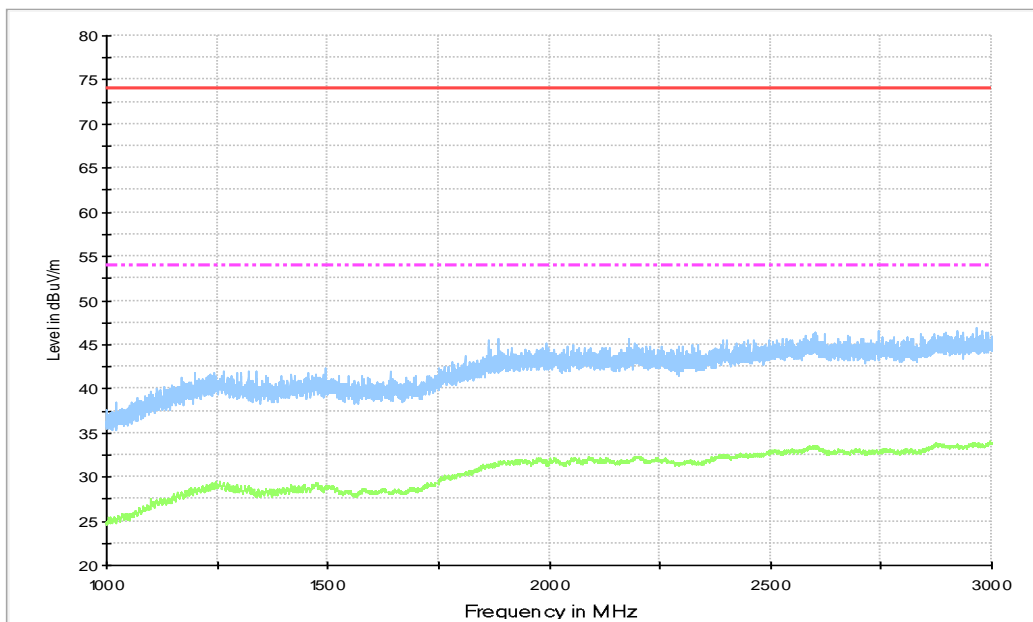


**Fig A.3 Radiated Emission from 3GHz to 18GHz**

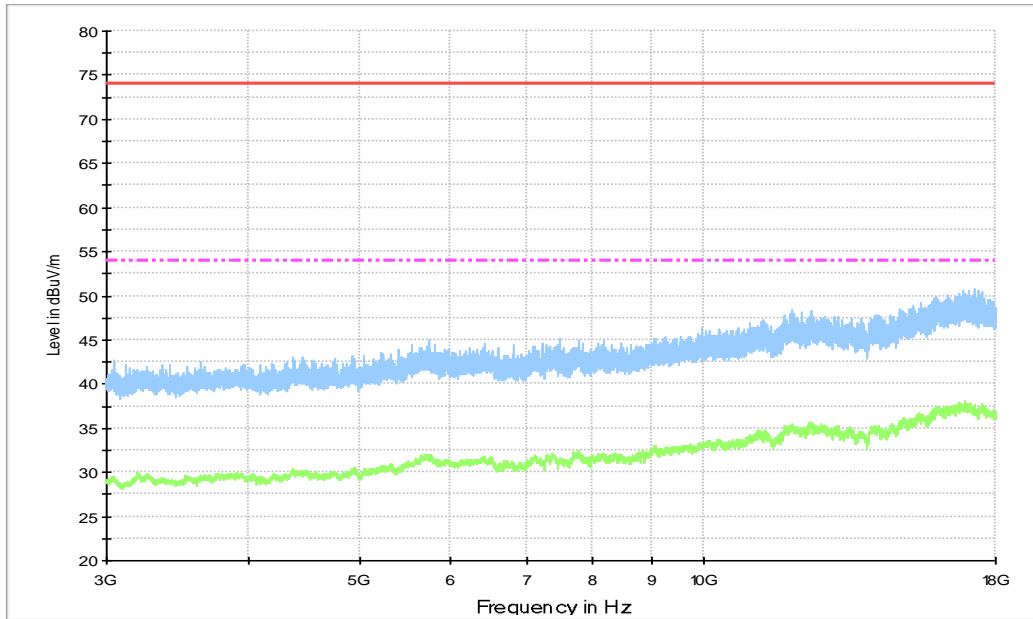
**Measurement results for Set.4, Charger + Front Camera + WCDMA 850 idle:**



**Fig A.4 Radiated Emission from 30MHz to 1GHz**

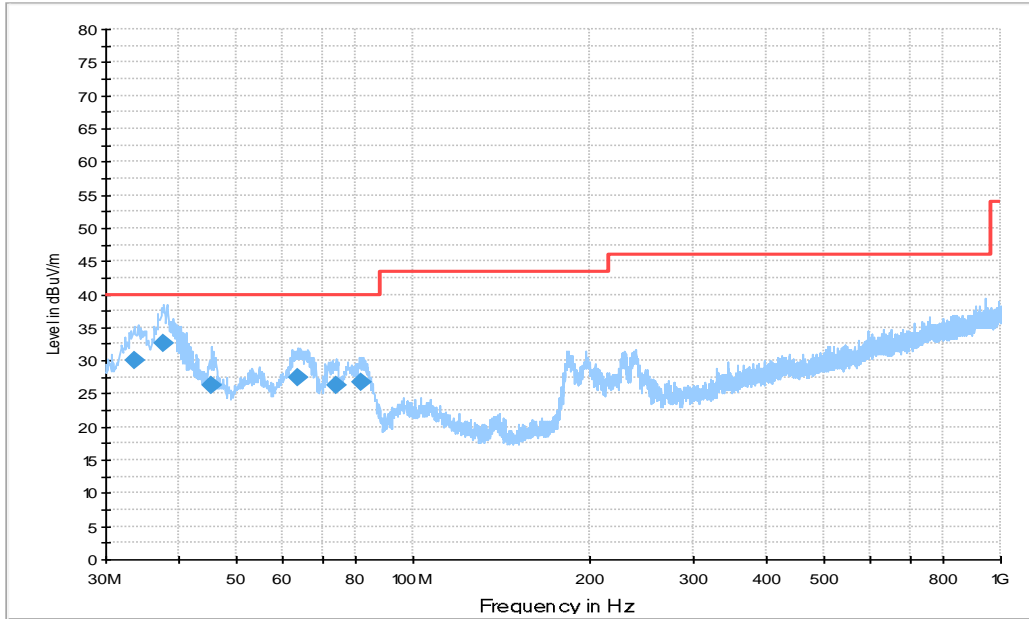


**Fig A.5 Radiated Emission from 1GHz to 3GHz**

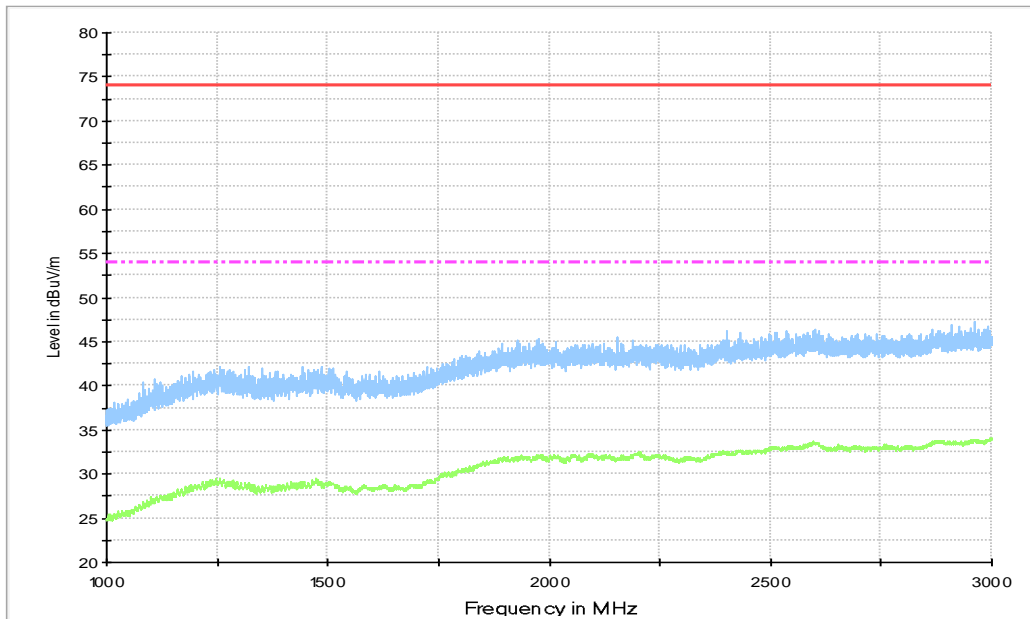


**Fig A.6 Radiated Emission from 3GHz to 18GHz**

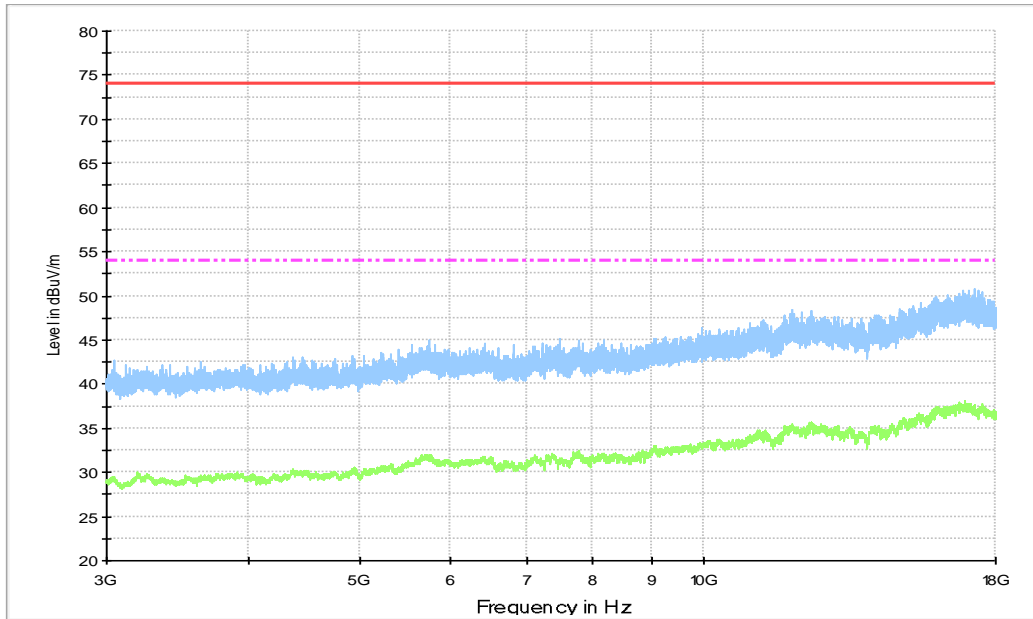
Measurement results for Set.4, Charger + MP4 + LTE band 5 idle:



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



**Fig A.8 Radiated Emission from 1GHz to 3GHz**



**Fig A.9 Radiated Emission from 3GHz to 18GHz**



Measurement results for Set.5, USB + LTE B17 idle:

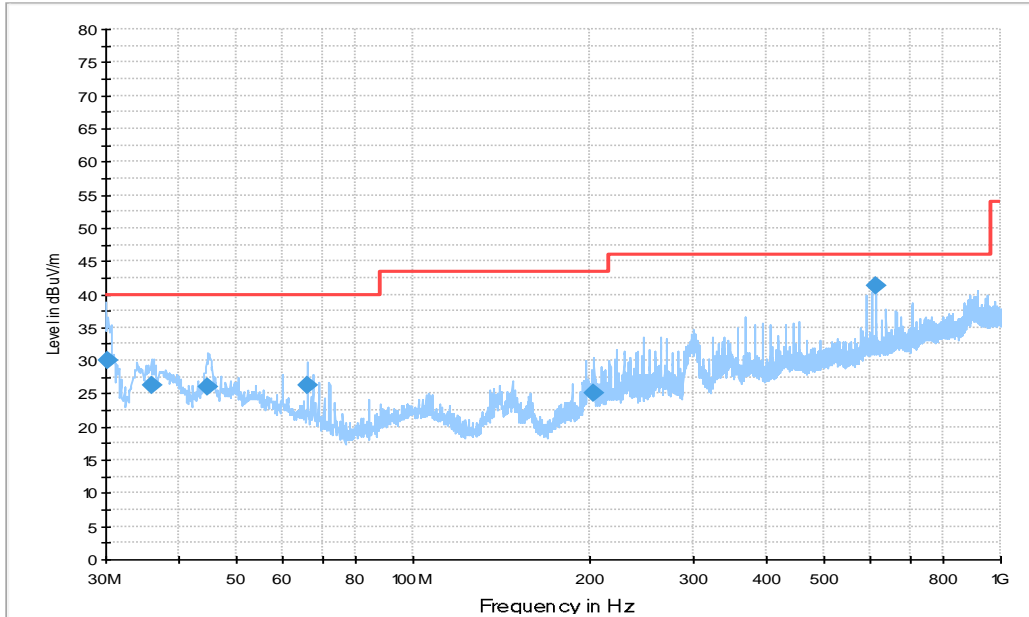


Fig A.10 Radiated Emission from 30MHz to 1GHz

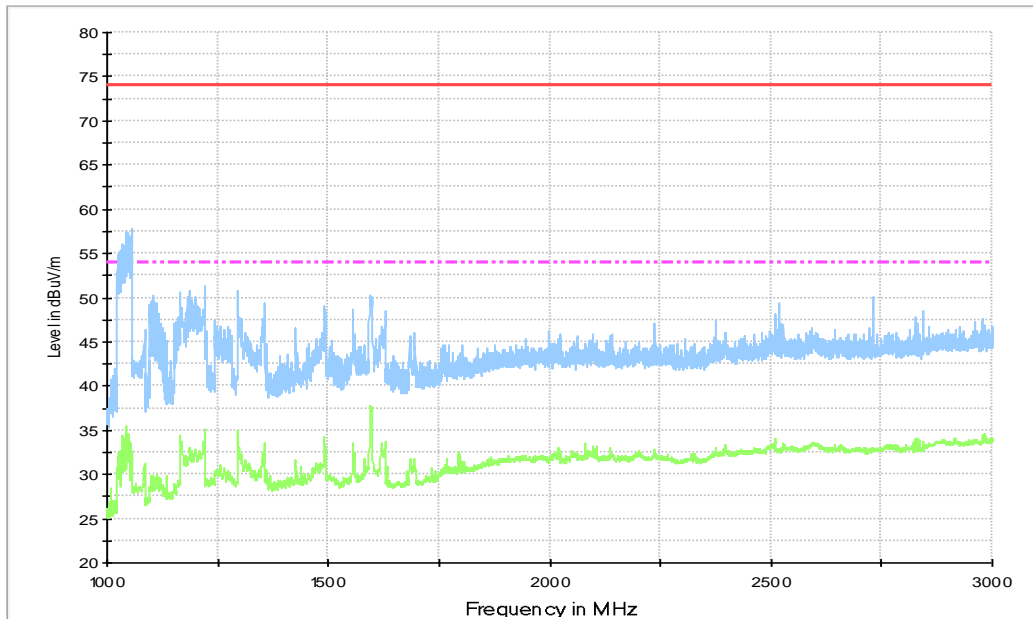
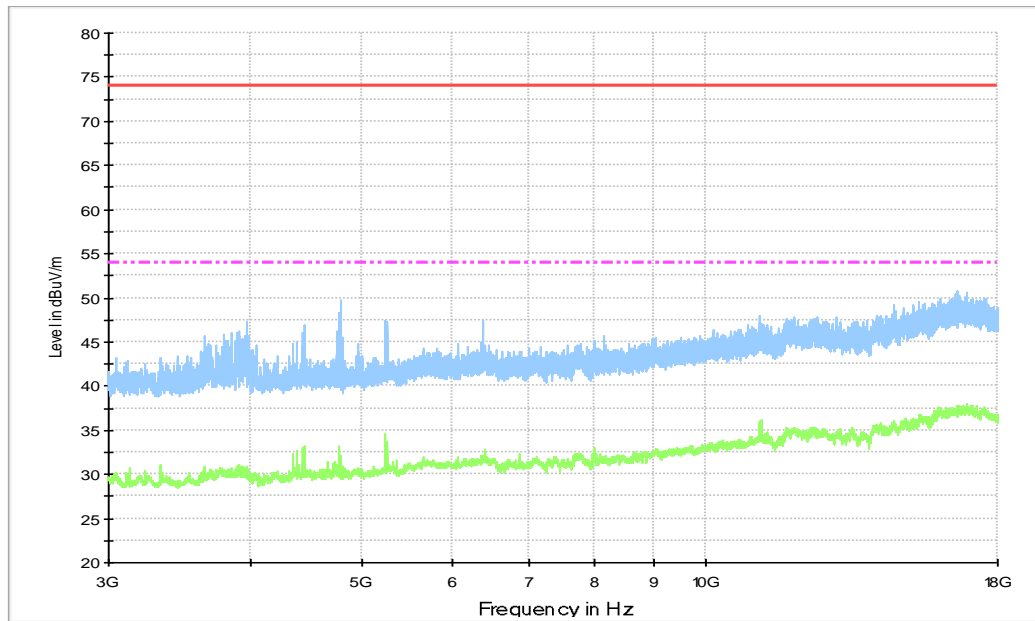
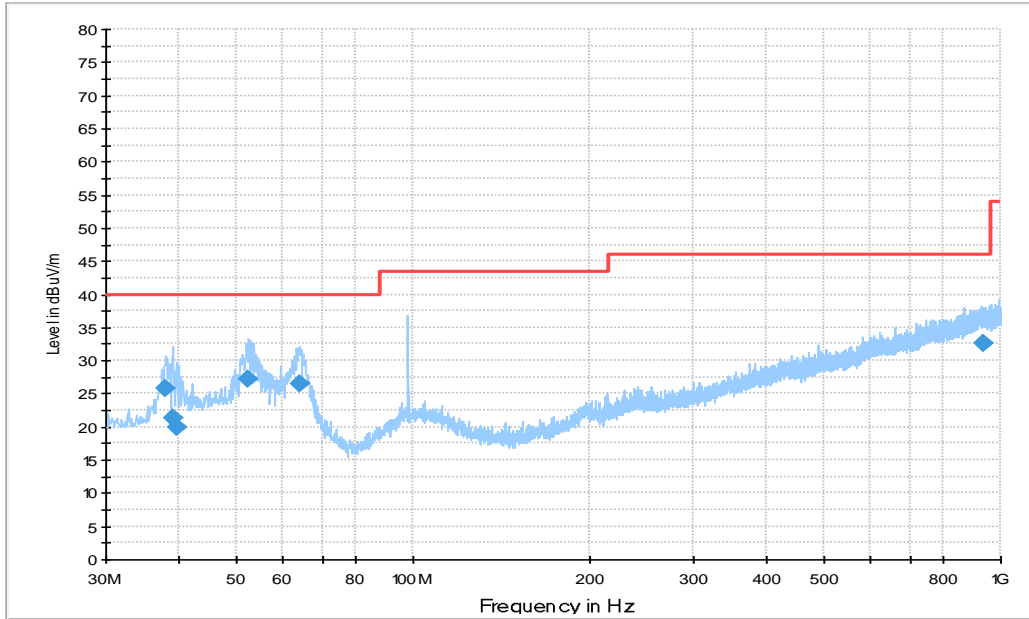


Fig A.11 Radiated Emission from 1GHz to 3GHz

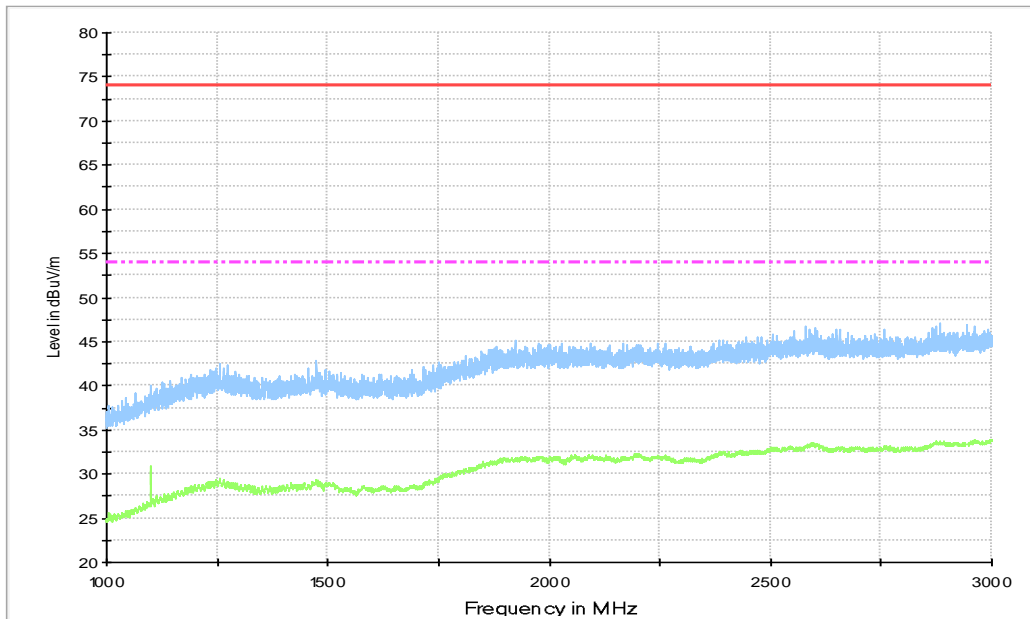


**Fig A.12 Radiated Emission from 3GHz to 18GHz**

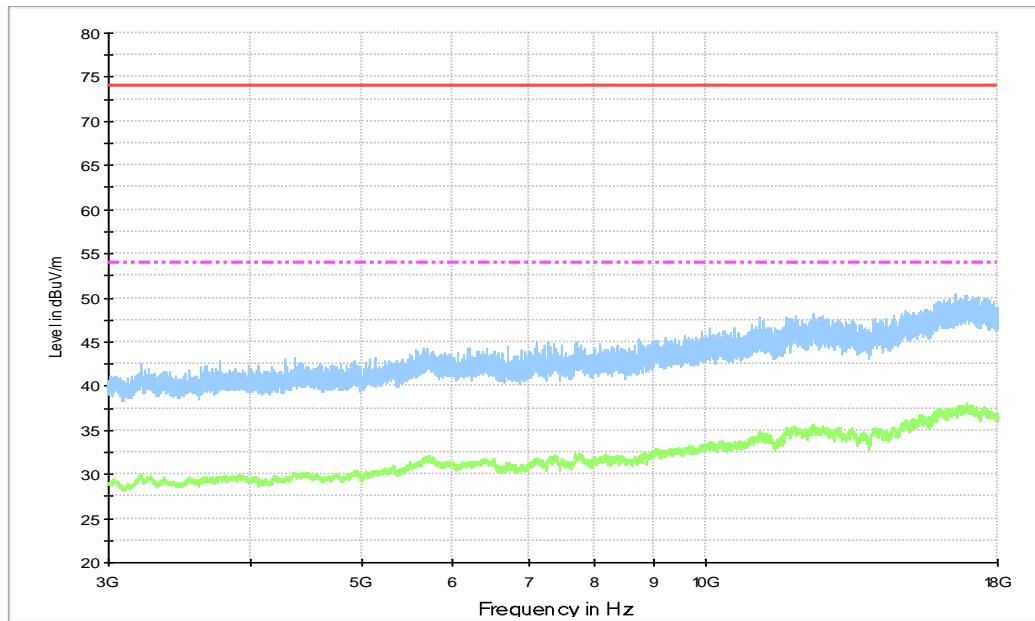
**Measurement results for Set.6, FM:**



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



**Fig A.14 Radiated Emission from 1GHz to 3GHz**



**Fig A.15 Radiated Emission from 3GHz 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 (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/IF bandwidth	Sweep Time(s)
9kHz	1

### A.2.5 Measurement Results

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

Measurement results for Set.4, Charger + REAR Camera + GSM 850 idle:

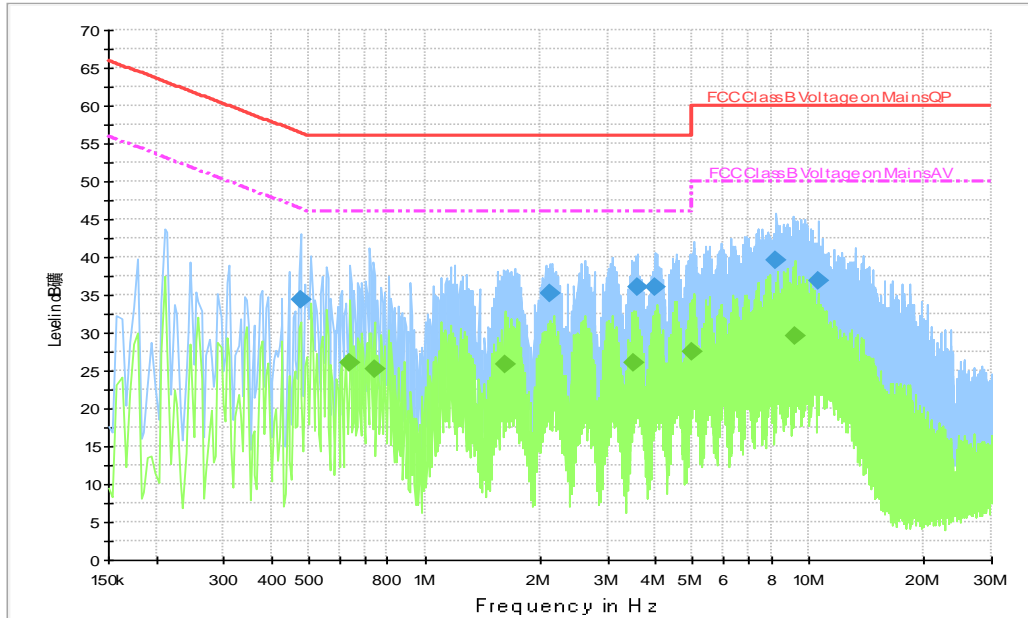


Fig A.16 Conducted Emission

#### Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.474000	34.4	2000.0	9.000	On	L1	19.7	22.1	56.4
2.118000	35.3	2000.0	9.000	On	L1	19.6	20.7	56.0
3.578000	36.1	2000.0	9.000	On	L1	19.6	19.9	56.0
4.006000	36.0	2000.0	9.000	On	L1	19.6	20.0	56.0
8.258000	39.5	2000.0	9.000	On	L1	19.6	20.5	60.0
10.634000	37.0	2000.0	9.000	On	L1	19.7	23.0	60.0

#### Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.638000	26.0	2000.0	9.000	On	L1	19.7	20.0	46.0
0.738000	25.2	2000.0	9.000	On	L1	19.7	20.8	46.0
1.614000	25.9	2000.0	9.000	On	L1	19.6	20.1	46.0
3.490000	26.1	2000.0	9.000	On	L1	19.6	19.9	46.0
4.986000	27.5	2000.0	9.000	On	L1	19.6	18.5	46.0
9.206000	29.6	2000.0	9.000	On	L1	19.7	20.4	50.0

Measurement results for Set.4, Charger + Front camera+ WCDMA band 5 idle:

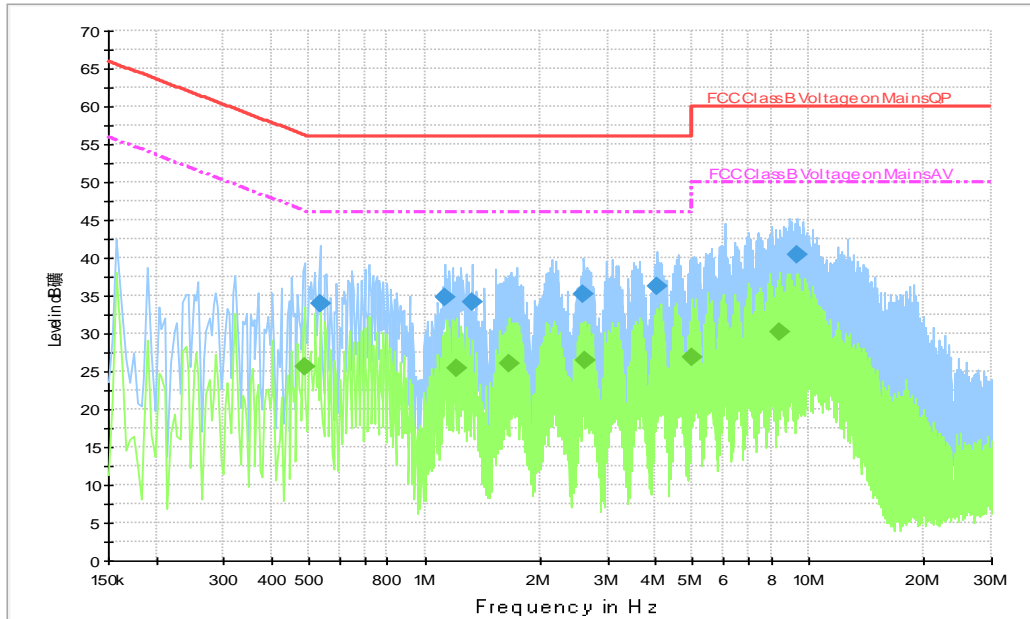


Fig A.17 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.534000	34.0	2000.0	9.000	On	L1	19.7	22.0	56.0
1.130000	34.7	2000.0	9.000	On	L1	19.6	21.3	56.0
1.330000	34.3	2000.0	9.000	On	L1	19.6	21.7	56.0
2.598000	35.1	2000.0	9.000	On	L1	19.6	20.9	56.0
4.050000	36.2	2000.0	9.000	On	L1	19.6	19.8	56.0
9.382000	40.4	2000.0	9.000	On	L1	19.7	19.6	60.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.486000	25.7	2000.0	9.000	On	L1	19.7	20.6	46.2
1.214000	25.4	2000.0	9.000	On	L1	19.6	20.6	46.0
1.662000	26.1	2000.0	9.000	On	L1	19.6	19.9	46.0
2.630000	26.4	2000.0	9.000	On	L1	19.6	19.6	46.0
4.986000	26.8	2000.0	9.000	On	L1	19.6	19.2	46.0
8.438000	30.2	2000.0	9.000	On	L1	19.7	19.8	50.0

Measurement results for Set.4, Charger + MP4+ LTE band 5 idle:

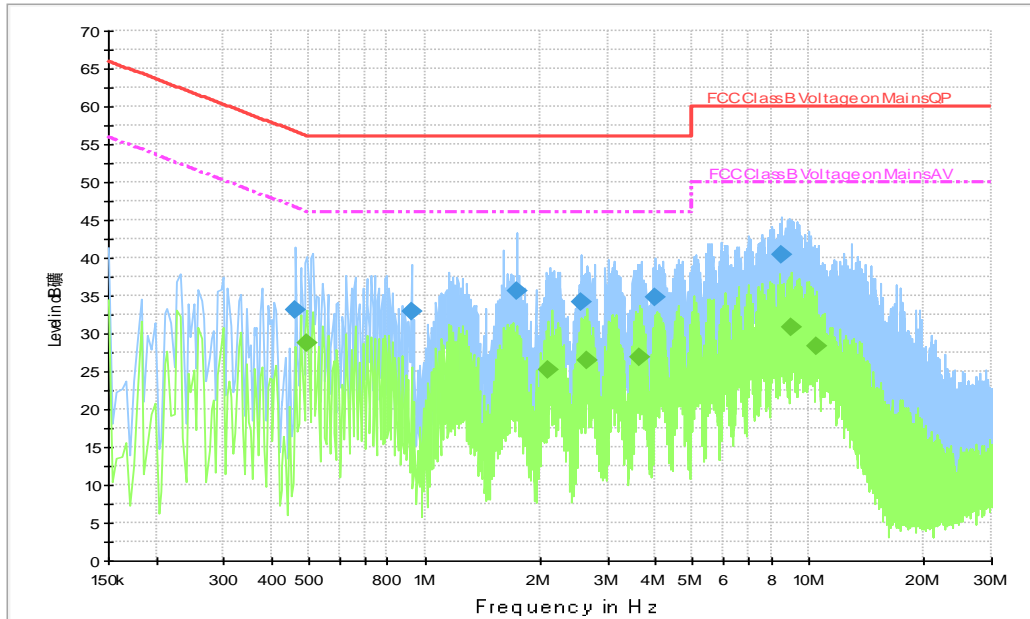


Fig A.18 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.462000	33.1	2000.0	9.000	On	L1	19.7	23.5	56.7
0.922000	32.8	2000.0	9.000	On	L1	19.7	23.2	56.0
1.738000	35.6	2000.0	9.000	On	L1	19.6	20.4	56.0
2.550000	34.1	2000.0	9.000	On	L1	19.6	21.9	56.0
4.002000	34.8	2000.0	9.000	On	L1	19.6	21.2	56.0
8.546000	40.4	2000.0	9.000	On	L1	19.7	19.6	60.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.494000	28.8	2000.0	9.000	On	L1	19.7	17.3	46.1
2.098000	25.1	2000.0	9.000	On	L1	19.6	20.9	46.0
2.638000	26.4	2000.0	9.000	On	L1	19.6	19.6	46.0
3.622000	26.8	2000.0	9.000	On	L1	19.6	19.2	46.0
9.054000	30.9	2000.0	9.000	On	L1	19.7	19.1	50.0
10.450000	28.3	2000.0	9.000	On	L1	19.7	21.7	50.0



Measurement results for Set.5, USB+ LTE band 17 idle:

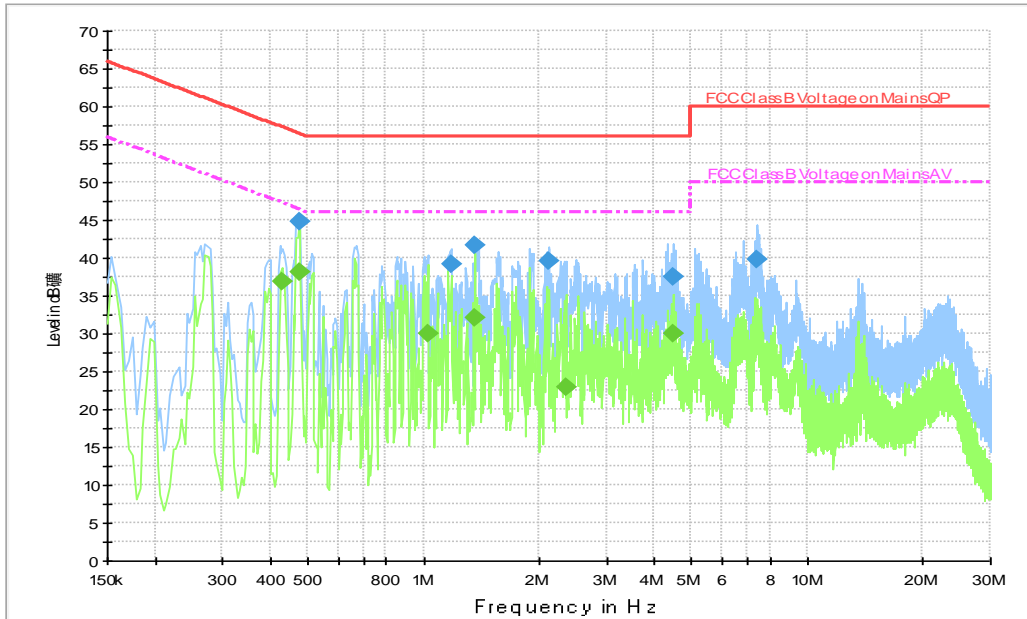


Fig A.19 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.474000	44.8	2000.0	9.000	On	N	19.7	11.6	56.4
1.186000	39.3	2000.0	9.000	On	N	19.6	16.7	56.0
1.362000	41.6	2000.0	9.000	On	L1	19.6	14.4	56.0
2.126000	39.7	2000.0	9.000	On	N	19.6	16.3	56.0
4.462000	37.6	2000.0	9.000	On	N	19.6	18.5	56.0
7.378000	39.8	2000.0	9.000	On	N	19.6	20.2	60.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.430000	37.0	2000.0	9.000	On	N	19.7	10.3	47.3
0.474000	38.1	2000.0	9.000	On	N	19.7	8.3	46.4
1.026000	30.1	2000.0	9.000	On	L1	19.7	15.9	46.0
1.362000	32.0	2000.0	9.000	On	L1	19.6	14.0	46.0
2.346000	23.0	2000.0	9.000	On	L1	19.6	23.0	46.0
4.462000	29.9	2000.0	9.000	On	N	19.6	16.1	46.0

## **ANNEX B: PERSONS INVOLVED IN THIS TESTING**

<b>Test Item</b>	<b>Test operator</b>
Conducted Emission	Zhang Tianli
Radiated Emission	Sun Tianyuan

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