



# TEST REPORT

## No. I16Z40428-EMC03

for

**TCL Communication Ltd**

**LTE/UMTS/GSM handheld station**

**Model Name: VFD 700**

**FCC ID: 2ACCJH051**

with

**Hardware Version: PIO**

**Software Version: v2DS1**

**Issued Date: 2016-04-29**

**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:**

**FCC 2.948 Listed: No.525429**

CTTL, Telecommunication Technology Labs, Academy of Telecommunication Research, MIIT

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

Tel: +86(0)10-62304633-2512, Fax: +86(0)10-62304633-2504

Email: [ctl\\_terminals@catr.cn](mailto:ctl_terminals@catr.cn), website: [www.chinattl.com](http://www.chinattl.com)



## **REPORT HISTORY**

Report Number	Revision	Description	Issue Date
I16Z40428-EMC03	Rev.0	1 <sup>st</sup> edition	2016-04-29

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## 1. Test Laboratory

### 1.1. Testing Location

#### Location 1: CTTL(huayuan North Road)

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

#### Location 4: CTTL(BDA)

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

### 1.2. Testing Environment

Normal Temperature: 15-35℃

Relative Humidity: 20-75%

### 1.3. Project data

Testing Start Date: 2016-03-10

Testing End Date: 2016-04-29

### 1.4. Signature



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Zhang Ying

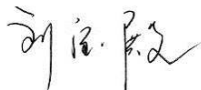
(Prepared this test report)



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Qu Pengfei

(Reviewed this test report)



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Liu Baodian

Deputy Director of the laboratory

(Approved this test report)



## **2. Client Information**

### **2.1. Applicant Information**

Company Name: TCL Communication Ltd  
Address /Post: 5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park,  
Pudong Area Shanghai, P.R. China. 201203  
City: Shanghai  
Postal Code: 201203  
Country: P. R. China  
Contact Person: Gong Zhizhou  
Contact Email: zhizhou.gong@tcl.com  
Telephone: 0086-21-31363544  
Fax: 0086-21-61460602

### **2.2. Manufacturer Information**

Company Name: TCL Communication Ltd  
Address /Post: 5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park,  
Pudong Area Shanghai, P.R. China. 201203  
City: Shanghai  
Postal Code: 201203  
Country: P. R. China  
Telephone: 0086-21-31363544  
Fax: 0086-21-61460602

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

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

Description	LTE/UMTS/GSM handheld station
Model Name	VFD 700
FCC ID	2ACCJH051
Extreme vol. Limits	3.5VDC to 4.2VDC (nominal: 3.7VDC)

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

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

EUT ID*	SN or IMEI	HW Version	SW Version
EUT5	357042070003299	PIO	v2DS1

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

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

AE ID*	Description	SN	Remarks
AE2	Battery	/	inbulit
AE7	USB cable	/	16TCT-DC-0187
AE8	USB cable	/	16TCT-DC-0175
AE39	Travel charger	/	16TCT-CH-0340
AE40	Travel charger	/	16TCT-CH-0317
AE41	Travel charger	/	16TCT-CH-0337
AE42	Travel charger	/	16TCT-CH-0313
AE43	Travel charger	/	/

#### **AE2**

Model	CAC2960003C2
Manufacturer	SCUD
Capacitance	2960mAh
Nominal voltage	3.74V



## AE3

Model	CDA0000024C2
Manufacturer	JUWEI
Length of cable	78cm

## AE4

Model	CDA0000024C8
Manufacturer	PUAN
Length of cable	78cm

## AE7

Model	CBA0061AG0C1
Manufacturer	BYD
Length of cable	/

## AE8

Model	CBA0061AG0C2
Manufacturer	Tenpao
Length of cable	/

## AE39

Model	CBA0059AA1C1
Manufacturer	BYD
Length of cable	/

## AE40

Model	CBA0059AA1C6
Manufacturer	SALCOMP
Length of cable	/

## AE41

Model	CBA0059AC1C1
Manufacturer	BYD
Length of cable	/

## AE42

Model	CBA0059AB2C1
Manufacturer	BYD
Length of cable	/

## AE43

Model	CBA0061AA0C1
Manufacturer	BYD
Length of cable	/

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

Note: The USB cables are shielded.

AE41 and AE42 did not need to test.



### 3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.30	EUT5 + AE2 + AE7/AE8 + AE39	Charger
Set.31	EUT5 + AE2 + AE7/AE8 + AE40	Charger
Set.32	EUT5 + AE2 + AE7/AE8 + AE43	Charger
Set.33	EUT5 + AE1 + AE7	USB mode

#### **4. Reference Documents**

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

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

<b>Reference</b>	<b>Title</b>	<b>Version</b>
FCC Part 15, Subpart B	Radio frequency devices - Unintentional Radiators	2015
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low - Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

## 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 MΩ
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	< ±4 dB, 10 m 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 3000 MHz

**Semi-anechoic chamber SAC-2** (10 meters×6.7meters×6.1meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 0.5 Ω
Normalised site attenuation (NSA)	< ±4 dB, 3 m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio ( $S_{VSWR}$ )	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 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; 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
Location Column	1/2/3/4	The test is performed in test location 1, 2, 3 or 4 which are described in section 1.1 of this report

Items	Test Name	Clause in FCC rules	Clause in IC rules	Section in this report	Verdict	Test Location
1	Radiated Emission	15.109(a)	Section 5	B.1	P	1, 4
2	Conducted Emission	15.107(a)	Section 5	B.2	P	1, 4

## 7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CAL. INTERVAL
1	Test Receiver	ESU26	100235	R&S	2017-03-02	1 year
2	Universal Radio Communication Tester	CMW500	116588	R&S	2016-10-21	1 year
3	LISN	ENV216	101200	R&S	2016-07-07	1 year
4	EMI Antenna	VULB 9163	9163-301	Schwarzbeck	2017-12-16	3 years
5	EMI Antenna	3115	6914	ETS-Lindgren	2016-12-15	3 years
6	PC	OPTIPLEX 380	2X1YV2X	DELL	N/A	N/A
7	Printer	P1606dn	VNC3L52122	HP	N/A	N/A
8	Keyboard	L100	CN0RH65965890 7ATOI40	DELL	N/A	N/A
9	Mouse	M-UAE119	LZ935220ZRC	Lenovo	N/A	N/A
10	Universal Radio Communication Tester	CMW500	127406	R&S	2017-01-27	1 year
11	Test Receiver	ESCI	100766	R&S	2017-03-30	1 year
12	LISN	ESH2-Z5	829991/012	R&S	2017-04-11	1 year
13	Test Receiver	ESU26	100376	R&S	2016-10-29	1 Year
14	EMI Antenna	3117	00139065	ETS-Lindgren	2017-09-21	3 Years
15	Universal Radio Communication Tester	CMW500	155415	R&S	2017-01-11	1 year
16	Test Receiver	ESCI 7	100948	R&S	2016-07-07	1 year

## **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 10 meters(for 30MHz-1GHz) and 3 meters (for above 1GHz) 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 model of the PC is DELL OPTIPLEX 380, and the serial number of the PC is 2X1YV2X. 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 ( $\mu\text{V/m}$ )		
	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/1MHz	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 (worst case):  $U = 4.3 \text{ dB}$ ,  $k=2$ .

### Measurement results for Set.30:

#### Charging Mode/Average detector

Frequency(MHz)	Result(dB $\mu$ V/m)	$G_{PL}$ (dB)	$G_A$ (dB/m)	$P_{\text{Mea}}$ (dB $\mu$ V)	Polarity
17625.000	53.4	-14.9	41.2	27.118	VERTICAL
17631.750	53.4	-14.9	41.2	27.118	VERTICAL
17633.250	53.3	-13.0	41.2	25.105	VERTICAL
17670.000	53.3	-13.0	41.2	25.105	HORIZONTAL
17727.000	53.3	-13.0	41.2	25.105	VERTICAL
17616.750	53.3	-14.9	41.2	27.018	HORIZONTAL

#### Charging Mode/Peak detector

Frequency(MHz)	Result(dB $\mu$ V/m)	$G_{PL}$ (dB)	$G_A$ (dB/m)	$P_{\text{Mea}}$ (dB $\mu$ V)	Polarity
17633.250	65.2	-13.0	41.2	37.005	VERTICAL
17484.000	65.0	-14.9	41.2	38.718	HORIZONTAL
17663.250	65.0	-13.0	41.2	36.805	VERTICAL
17684.250	64.9	-13.0	41.2	36.705	VERTICAL
17983.500	64.6	-13.5	41.0	37.062	HORIZONTAL
17628.750	64.6	-14.9	41.2	38.318	HORIZONTAL

**Measurement results for Set.31:**
**Charging Mode/Average detector**

Frequency(MHz)	Result(dB $\mu$ V/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)	Polarity
17625.000	53.5	-14.9	41.2	27.218	VERTICAL
17616.750	53.4	-14.9	41.2	27.118	VERTICAL
17606.250	53.4	-14.9	41.2	27.118	HORIZONTAL
17619.750	53.3	-14.9	41.2	27.018	HORIZONTAL
17639.250	53.3	-13.0	41.2	25.105	VERTICAL
17628.750	53.3	-14.9	41.2	27.018	VERTICAL

**Charging Mode/Peak detector**

Frequency(MHz)	Result(dB $\mu$ V/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)	Polarity
17668.500	65.6	-13.0	41.2	37.405	HORIZONTAL
17718.000	65.2	-13.0	41.2	37.005	HORIZONTAL
17697.750	65.1	-13.0	41.2	36.905	HORIZONTAL
17706.750	65.0	-13.0	41.2	36.805	HORIZONTAL
17271.750	64.9	-15.1	41.2	38.793	VERTICAL
17624.250	64.8	-14.9	41.2	38.518	HORIZONTAL

**Measurement results for Set.32:**
**Charging Mode/Average detector**

Frequency(MHz)	Result(dB $\mu$ V/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)	Polarity
17906.500	51.0	-18.5	45.6	23.900	VERTICAL
17973.650	50.9	-17.7	45.6	23.000	HORIZONTAL
17965.150	50.7	-17.7	45.6	22.800	VERTICAL
17805.350	50.4	-18.5	45.6	23.300	VERTICAL
17972.800	50.3	-17.7	45.6	22.400	HORIZONTAL
17767.100	50.2	-18.5	45.6	23.100	VERTICAL

**Charging Mode/Peak detector**

Frequency(MHz)	Result(dB $\mu$ V/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)	Polarity
17912.450	62.0	-18.5	45.6	34.900	VERTICAL
17737.350	61.3	-18.5	45.6	34.200	HORIZONTAL
17813.850	61.3	-18.5	45.6	34.200	HORIZONTAL
17921.800	61.2	-17.7	45.6	33.300	HORIZONTAL
17885.250	60.8	-18.5	45.6	33.700	VERTICAL
17864.850	60.7	-18.5	45.6	33.600	HORIZONTAL

**Measurement results for Set.33:**
**USB Mode/Average detector**

Frequency(MHz)	Result(dB $\mu$ V/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)	Polarity
17997.450	50.3	-17.7	45.6	22.400	HORIZONTAL
17933.700	50.3	-17.7	45.6	22.400	VERTICAL
17944.750	50.2	-17.7	45.6	22.300	HORIZONTAL
17946.450	50.2	-17.7	45.6	22.300	VERTICAL
17955.800	50.1	-17.7	45.6	22.200	HORIZONTAL
17867.400	50.1	-18.5	45.6	23.000	VERTICAL

**USB Mode/Average detector**

Frequency(MHz)	Result(dB $\mu$ V/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)	Polarity
17615.800	61.3	-18.9	45.6	34.600	VERTICAL
17507.850	61.1	-19.2	45.6	34.700	HORIZONTAL
17946.450	60.9	-17.7	45.6	33.000	VERTICAL
17853.800	60.9	-18.5	45.6	33.800	HORIZONTAL
17742.450	60.8	-18.5	45.6	33.700	VERTICAL
17906.500	60.7	-18.5	45.6	33.600	HORIZONTAL

Note: The measurement results of Set.30, Set.31, Set.32 and Set.33 showed here are worst cases of the combinations of different batteries and USB cables.

### Charging Mode, Set.30

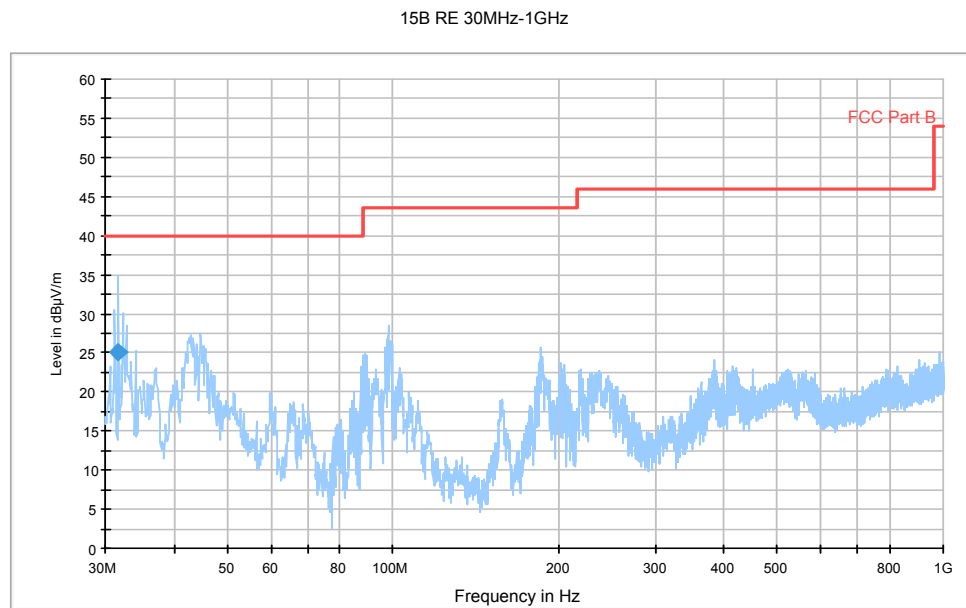


Figure A.1 Radiated Emission from 30MHz to 1GHz

#### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
31.746000	25.1	100.0	V	45.0	-27.8	14.9	40.0

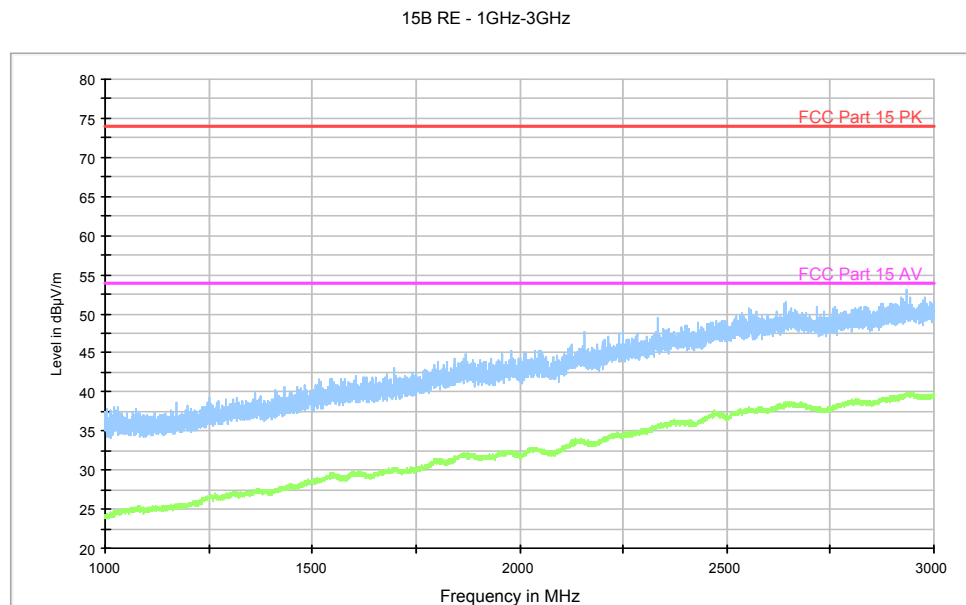


Figure A.2 Radiated Emission from 1GHz to 3GHz

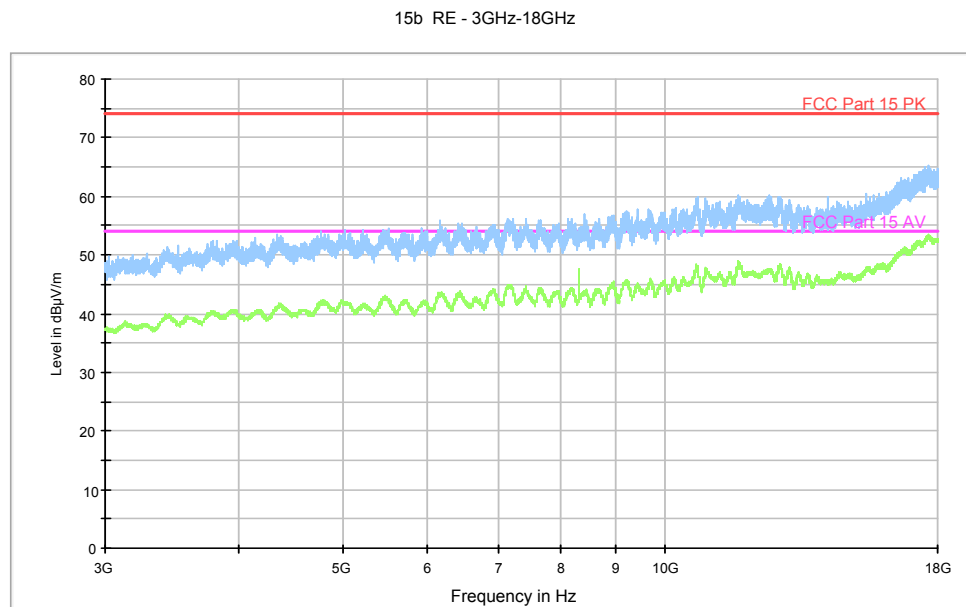
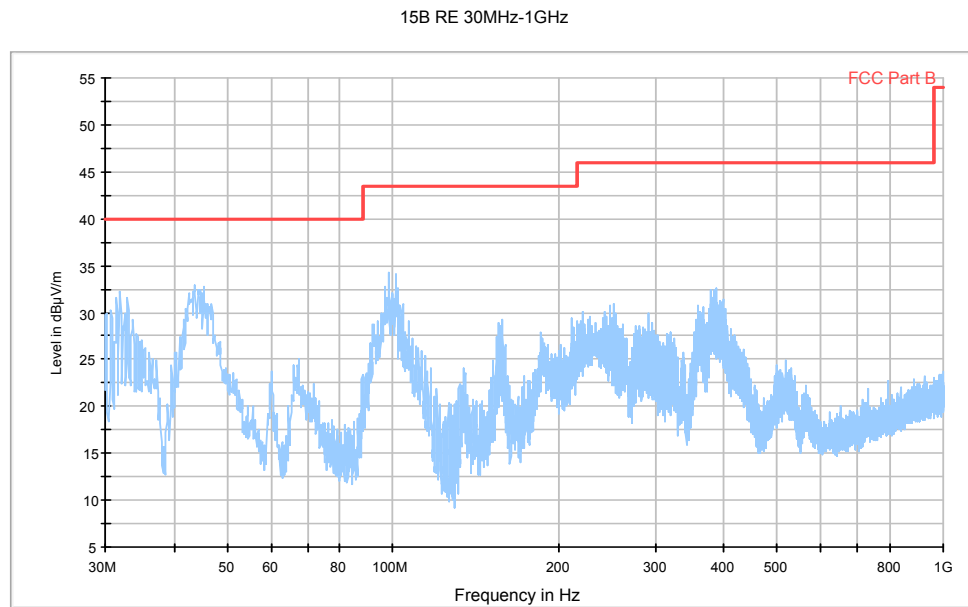
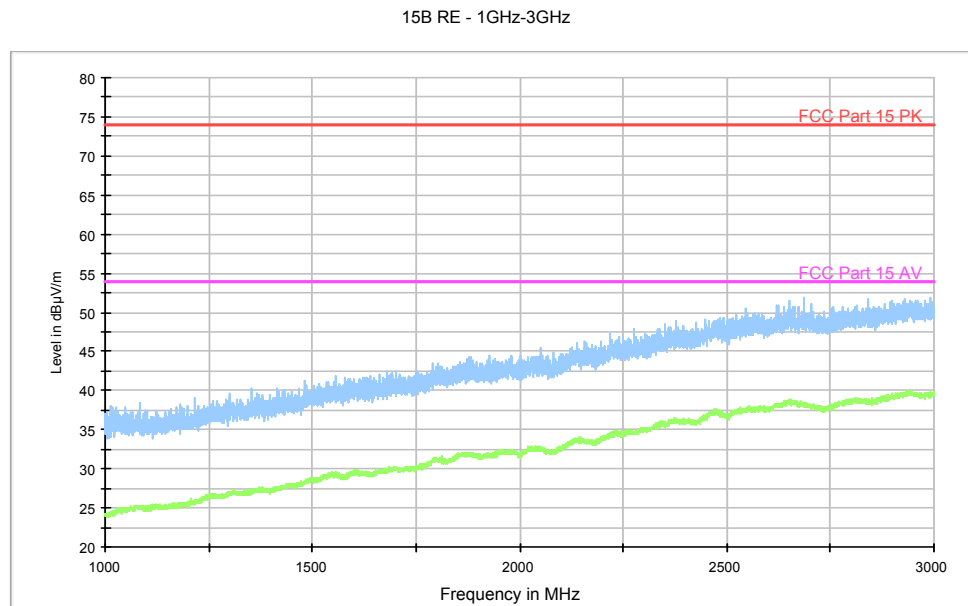


Figure A.3 Radiated Emission from 3GHz to 18GHz

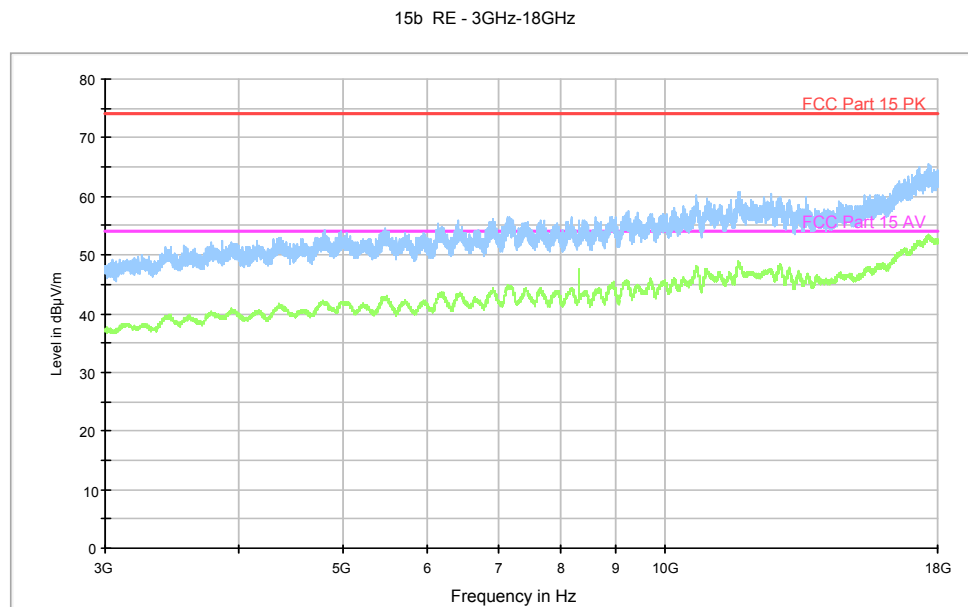
### Charging Mode, Set.31



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



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



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

### Charging Mode, Set.32

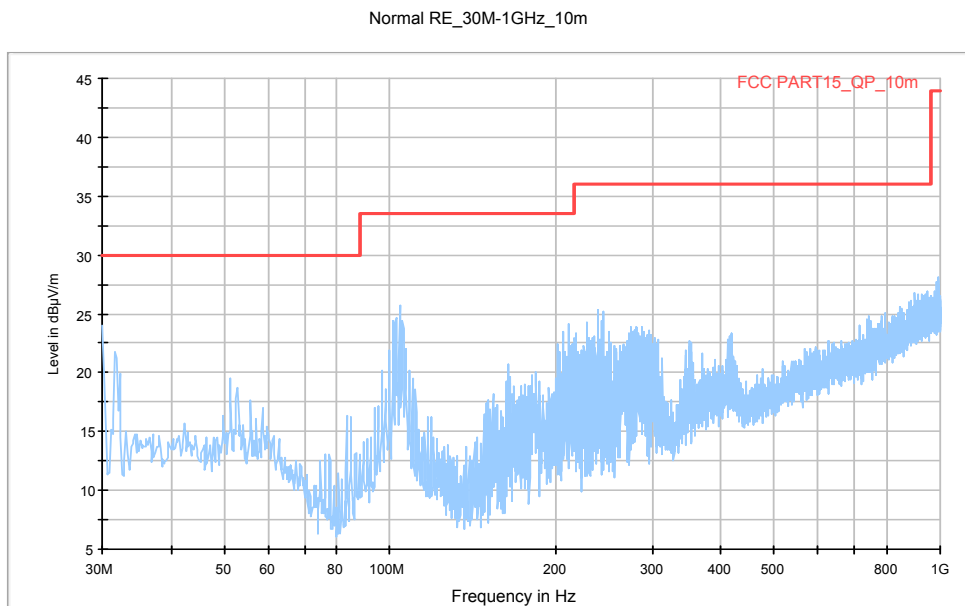


Figure A.7 Radiated Emission from 30MHz to 1GHz

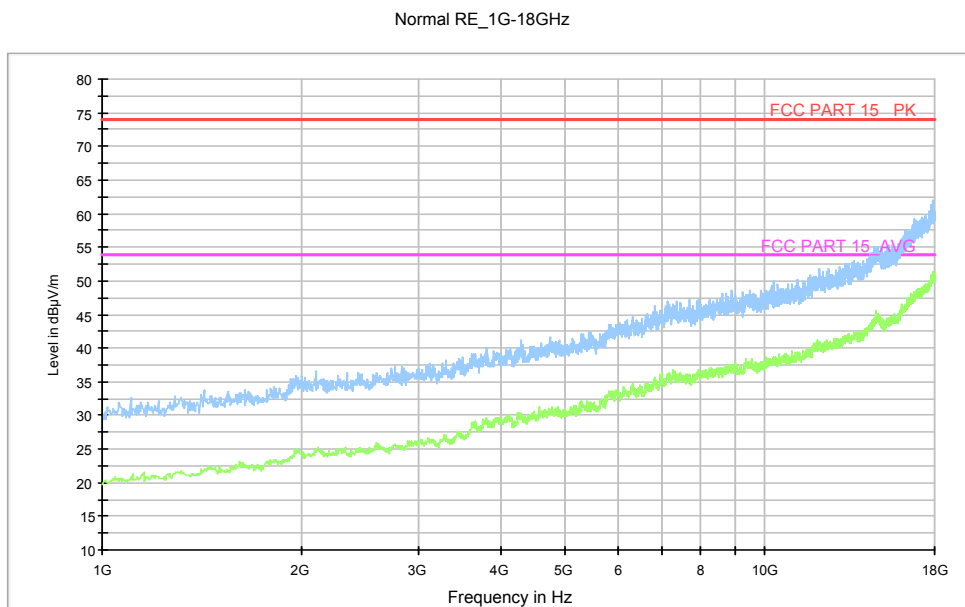
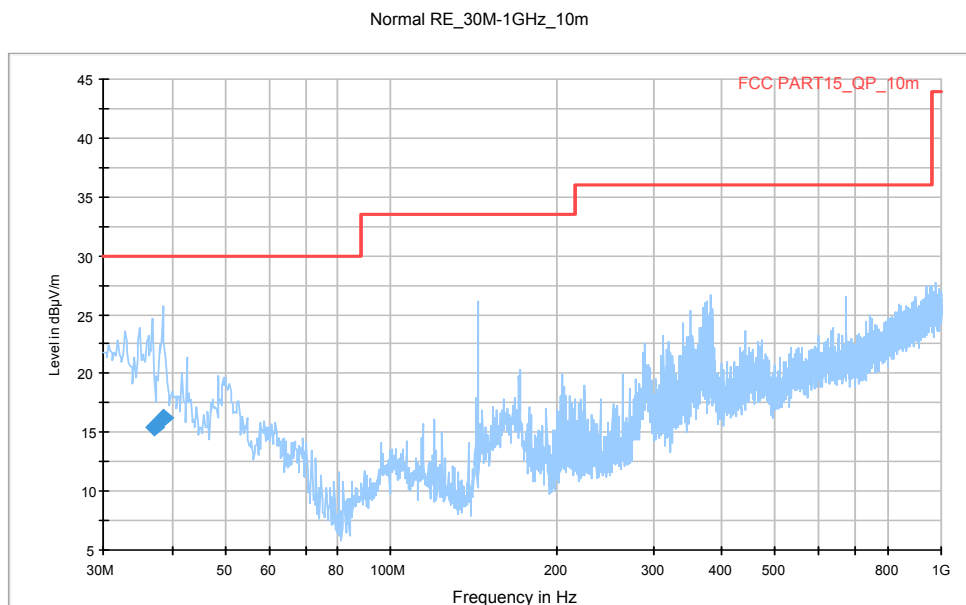


Figure A.8 Radiated Emission from 1GHz to 18GHz

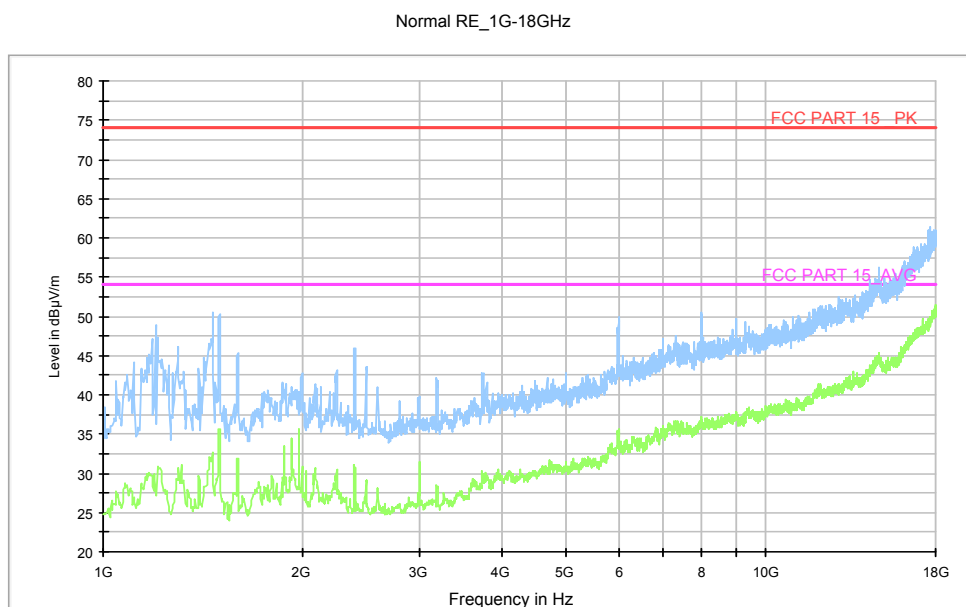
### USB Mode, Set.33



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

#### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
37.224000	15.5	214.0	V	296.0	-12.6	14.5	30.0
38.536000	16.2	181.0	V	278.0	-12.4	13.8	30.0



**Figure A.10 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 OPTIPLEX 380, and the serial number of the PC is 2X1YV2X. 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

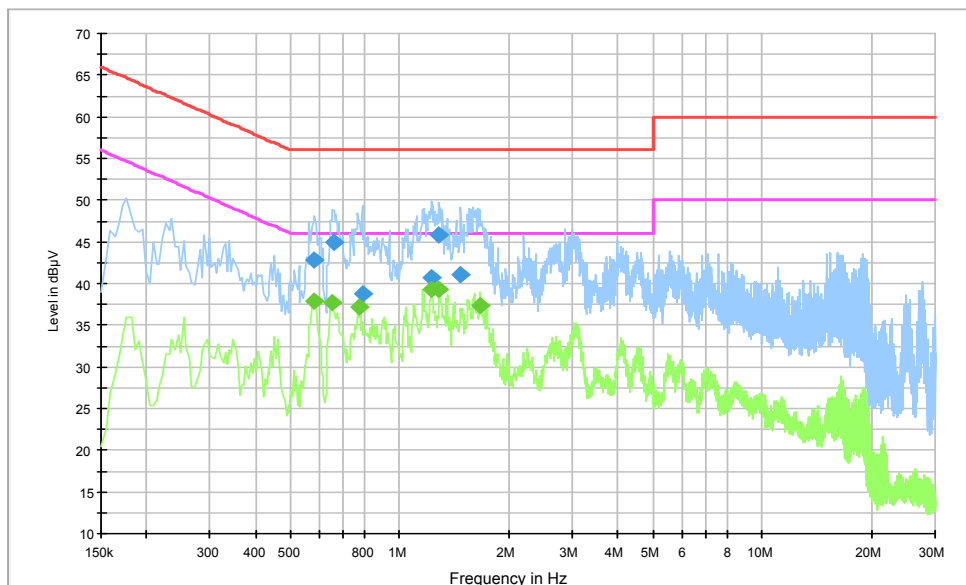
Voltage (V)	Frequency (Hz)
120	60

RBW/IF bandwidth	Sweep Time(s)
9kHz	1

### A.2.5 Measurement Results

Measurement uncertainty:  $U= 2.9$  dB,  $k=2$ .

#### Charging Mode, Set.30



**Figure A.11 Conducted Emission**

#### Final Result 1

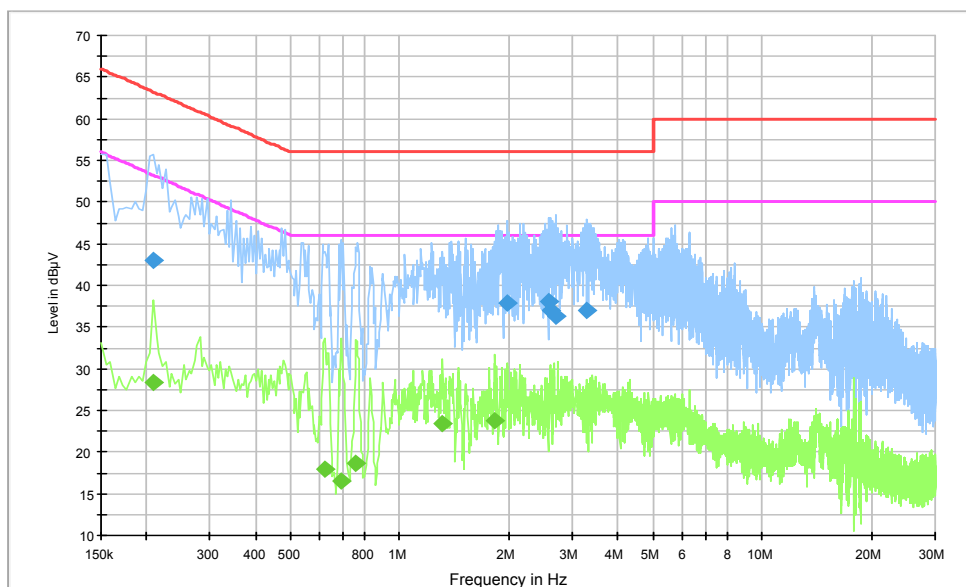
Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.582001	42.7	GND	N	10.3	13.3	56.0
0.658501	44.9	GND	L1	10.3	11.1	56.0
0.789001	38.8	GND	N	10.3	17.2	56.0
1.230001	40.8	GND	N	10.3	15.2	56.0
1.279501	45.9	GND	L1	10.3	10.1	56.0
1.477501	41.1	GND	N	10.3	14.9	56.0

#### Final Result 2

Frequency (MHz)	CAverage (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.582001	37.8	GND	L1	10.3	8.2	46.0
0.649501	37.8	GND	L1	10.3	8.2	46.0
0.771001	37.1	GND	L1	10.3	8.9	46.0
1.225501	39.2	GND	L1	10.3	6.8	46.0
1.279501	39.2	GND	L1	10.3	6.8	46.0
1.671001	37.3	GND	L1	10.4	8.7	46.0

Note: The measurement results showed here are worst cases of the combinations of different batteries and USB cables.

### Charging Mode, Set.31



**Figure A.12 Conducted Emission**

#### Final Result 1

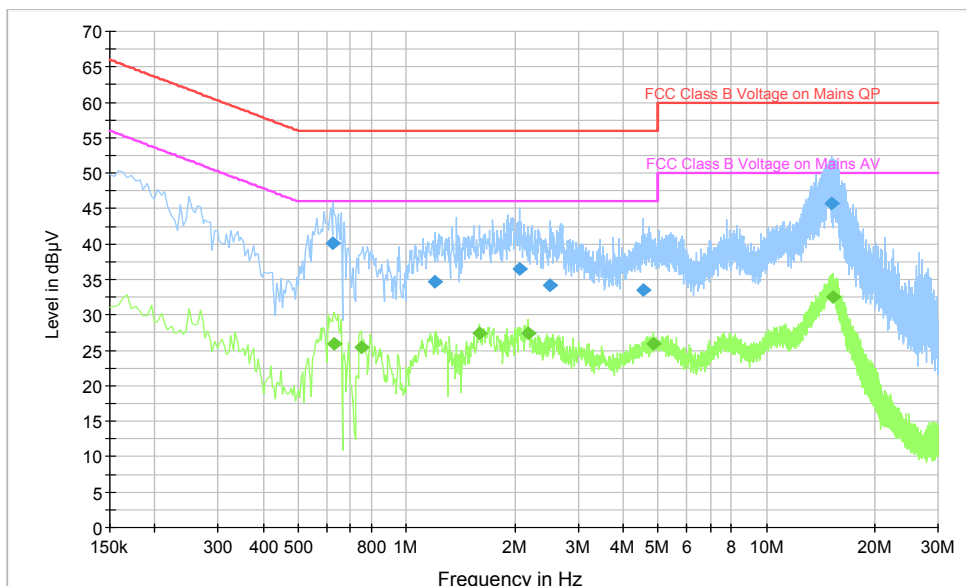
Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.208501	43.1	GND	L1	10.3	20.2	63.3
1.986001	38.0	GND	L1	10.4	18.0	56.0
2.580001	38.1	GND	L1	10.4	17.9	56.0
2.611501	37.0	GND	L1	10.4	19.0	56.0
2.688001	36.3	GND	L1	10.4	19.7	56.0
3.295501	36.9	GND	L1	10.4	19.1	56.0

#### Final Result 2

Frequency (MHz)	CAverage (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.208501	28.3	GND	L1	10.3	25.0	53.3
0.622501	17.9	GND	L1	10.3	28.1	46.0
0.690001	16.5	GND	L1	10.3	29.5	46.0
0.757501	18.6	GND	L1	10.3	27.4	46.0
1.315501	23.5	GND	L1	10.3	22.5	46.0
1.837501	23.8	GND	L1	10.4	22.2	46.0

Note: The measurement results showed here are worst cases of the combinations of different batteries and USB cables.

### Charging Mode, Set.32



**Figure A.13 Conducted Emission**

#### Final Result 1

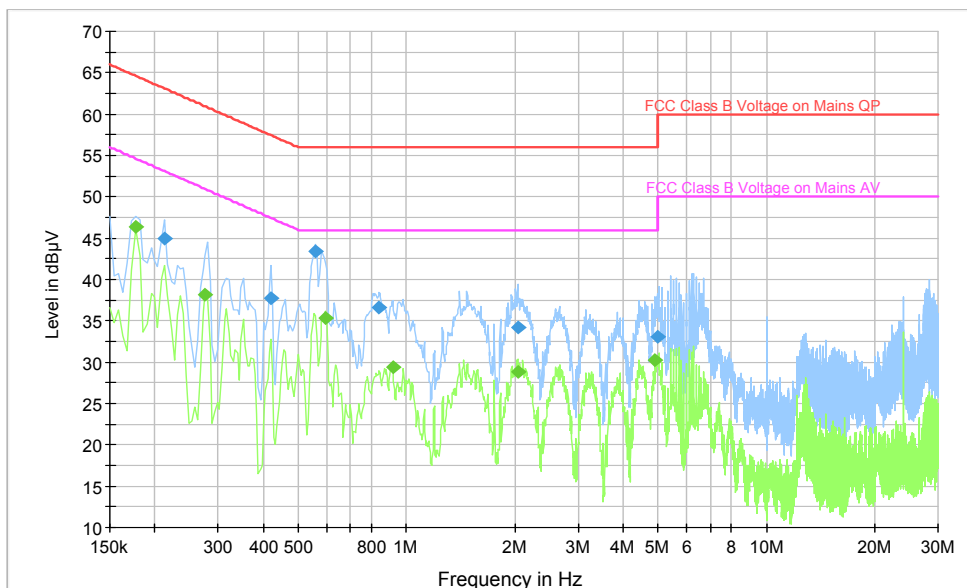
Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.627000	40.2	GND	L1	19.8	15.8	56.0
1.198500	34.7	GND	N	19.7	21.3	56.0
2.067000	36.5	GND	N	19.7	19.5	56.0
2.499000	34.3	GND	N	19.0	21.7	56.0
4.551000	33.5	GND	N	19.6	22.5	56.0
15.126000	45.8	GND	L1	20.0	14.2	60.0

#### Final Result 2

Frequency (MHz)	CAverage (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.631500	25.9	GND	N	19.8	20.1	46.0
0.748500	25.4	GND	N	19.8	20.6	46.0
1.594500	27.4	GND	L1	19.7	18.6	46.0
2.175000	27.4	GND	N	19.4	18.6	46.0
4.852500	25.9	GND	L1	19.6	20.1	46.0
15.342000	32.5	GND	L1	20.0	17.5	50.0

Note: The measurement results showed here are worst cases of the combinations of different batteries and USB cables.

### USB Mode, Set.33



**Figure A.14 Conducted Emission**

#### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.213000	45.0	GND	N	19.8	18.1	63.1
0.420000	37.7	GND	N	19.9	19.8	57.4
0.559500	43.4	GND	L1	19.9	12.6	56.0
0.838500	36.6	GND	N	19.8	19.4	56.0
2.035500	34.3	GND	N	19.7	21.8	56.0
4.969500	33.1	GND	N	19.6	22.9	56.0

#### Final Result 2

Frequency (MHz)	CAverage (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.177000	46.4	GND	N	19.8	8.2	54.6
0.276000	38.1	GND	N	19.8	12.8	50.9
0.595500	35.3	GND	L1	19.8	10.7	46.0
0.915000	29.4	GND	N	19.8	16.6	46.0
2.035500	28.8	GND	N	19.7	17.2	46.0
4.915500	30.2	GND	N	19.6	15.8	46.0

Note: The measurement results showed here are worst cases of the combinations of different batteries and USB cables.

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