

# TEST REPORT No. I16Z41122-EMC01

for

## **TCL Communication Ltd**

# GSM Quad-band / UMTS Quad-band / LTE 8-band mobile phone

Model Name: 5057M

FCC ID: 2ACCJB046

with

**Hardware Version: VC** 

Software Version: vXAA8

Issued Date: 2016-06-03

#### 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

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# **REPORT HISTORY**

Report Number	Revision	Description	Issue Date
I16Z41122-EMC01	Rev.0	1 <sup>st</sup> edition	2016-06-03



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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

1.2. Testing Environment

Normal Temperature:  $15-35^{\circ}$ C Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2016-01-18
Testing End Date: 2015-06-01

1.4. Signature

Zhang Hui

(Prepared this test report)

屈鹏飞

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(Reviewed this test report)

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**Deputy Director of the laboratory** 

(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: 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

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

## 3.1. About EUT

Description GSM Quad-band / UMTS Quad-band / LTE 8-band mobile phone

Model Name 5057M FCC ID 2ACCJB046

Extreme vol. Limits 3.6VDC to 4.35VDC (nominal: 3.8VDC)

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	<b>HW Version</b>	SW Version
EUT3	014703000000110	VC	vXAA8

<sup>\*</sup>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
AE1	Battery	/	/
AE2	Battery	/	/
AE3	USB Cable	/	16TCT-DC-0047
AE4	USB Cable	/	16TCT-DC-0045
AE5	USB Cable	/	16TCT-DC-0039
AE6	USB Cable	/	16TCT-DC-0031
AE7	Travel charger	/	16TCT-CH-0055
AE8	Travel charger	/	16TCT-CH-0056
AE9	Travel charger		16TCT-CH-0036
AE10	Travel charger		16TCT-CH-0035

#### AE1

Model CAC2500035C1

Manufacturer BYD
Capacitance 2500mAh
Nominal voltage 3.8V

#### AE2

Model CAC2500037C2

Manufacturer SCUD
Capacitance 2500mAh
Nominal voltage 3.8V



AE3, AE4

Model CDA3122002C1

Manufacturer Juwei

Length of cable

AE5, AE6

Model CDA3122002C8

Manufacturer PUAN

Length of cable /

AE7, AE8

Model CBA0058AG0C2

Manufacturer TENPAO

Length of cable /

AE9, AE10

Model CBA0058AG0C3

Manufacturer YINGJU

Length of cable /

## 3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT3 + AE1 + AE3 + AE7	Charging mode
Set.2	EUT3 + AE1 + AE3 + AE9	Charging mode
Set.3	EUT3 + AE1 + AE3	USB mode
Set.4	EUT3 + AE1 + AE5	USB mode

#### Note:

The GSM Quad-band / UMTS Quad-band / LTE 8-band mobile phone 5057M manufactured by TCL Communication Ltd. is a variant model based on 5056M for conformance test. According to the declaration of changes, the following test items and test modes were performed on Set.1 Set.2 Set.3 Set.4:

Test Item	Mode or Feature	EUT Set-up
Radiated Continuous Emission	Charging mode & USB mode	Set.1 Set.2 Set.3 Set.4

Other results are inherited from the initial model. The report number of initial model is I16Z40214-EMC01.

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



# 4. Reference Documents

# 4.1. Reference Documents for testing

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

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices - Unintentional Radiators	10-1-15
		Edition
ANSI C63.4	Methods of Measurement of Radio-Noise	2014
	Emissions from Low - Voltage Electrical and	
	Electronic Equipment in the Range of 9 kHz to 40	
	GHz	



# 5. LABORATORY ENVIRONMENT

**Semi-anechoic chamber SAC-1** (23 meters $\times$ 17meters $\times$ 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 <sub>VSWR</sub> )	Between 0 and 6 dB, from 1GHz to 6GHz
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 NA F		Pass
		Not applicable
		Fail
Location Column	A/B/C/D	The test is performed in test location A, B, C or D
Location Column	AIDIOID	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	Р	А
2	Conducted Emission	15.107(a)	Section 5	B.2	Р	А



# 7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTUR E	CAL DUE DATE	CALIBRATI ON INTERVAL
1	Test Receiver	ESU26	100235	R&S	2017-03-02	1 year
2	Universal Radio Communication Tester	CMW500	143008	R&S	2016-12-09	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	CN0RH6596589 07ATOI40	DELL	N/A	N/A
9	Mouse	M-UAE119	LZ935220ZRC	Lenovo	N/A	N/A



## 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.

#### A.1.3 Measurement Limit

Frequency range	ı	Field strength limit (μV/m)						
(MHz)	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:

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

Where

G<sub>A</sub>: Antenna factor of receive antenna

G<sub>PL</sub>: Path Loss

P<sub>Mea</sub>: Measurement result on receiver.

Measurement uncertainty (worst case): U = 4.3 dB, k=2.

#### Measurement results for Set.1:

#### **Charging Mode/Average detector**

Frequency(MHz)	Result(dBμV/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dBµV)	Polarity
17999.150	51.6	-17.7	45.6	23.700	HORIZONTAL
17993.200	51.4	-17.7	45.6	23.500	VERTICAL
17988.950	51.2	-17.7	45.6	23.300	HORIZONTAL
17985.550	51.2	-17.7	45.6	23.300	HORIZONTAL
17966.850	51.2	-17.7	45.6	23.300	VERTICAL
17965.150	51.1	-17.7	45.6	23.200	VERTICAL

#### **Charging Mode/Peak detector**

gggg								
Frequency(MHz)	Result(dBμV/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	$P_{Mea}(dB\mu V)$	Polarity			
17943.050	62.4	-17.7	45.6	34.500	HORIZONTAL			
17998.300	61.8	-17.7	45.6	33.900	HORIZONTAL			
17789.200	61.7	-18.5	45.6	34.600	VERTICAL			
17790.900	61.3	-18.5	45.6	34.200	HORIZONTAL			
17915.000	61.3	-17.7	45.6	33.400	VERTICAL			
17985.550	61.3	-17.7	45.6	33.400	HORIZONTAL			



## **Measurement results for Set.2**:

## **Charging Mode/Average detector**

Frequency(MHz)	Result(dBμV/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dBµV)	Polarity
17992.350	51.9	-17.7	45.6	24.000	HORIZONTAL
17974.500	51.6	-17.7	45.6	23.700	HORIZONTAL
17889.500	51.4	-18.5	45.6	24.300	VERTICAL
17977.050	51.3	-17.7	45.6	23.400	VERTICAL
17980.450	51.3	-17.7	45.6	23.400	VERTICAL
17966.000	51.2	-17.7	45.6	23.300	VERTICAL

#### **Charging Mode/Peak detector**

Frequency(MHz)	Result(dBμV/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dBµV)	Polarity			
17813.850	61.8	-18.5	45.6	34.700	VERTICAL			
17901.400	61.7	-18.5	45.6	34.600	VERTICAL			
17891.200	61.7	-18.5	45.6	34.600	VERTICAL			
17978.750	61.6	-17.7	45.6	33.700	HORIZONTAL			
17920.950	61.5	-17.7	45.6	33.600	HORIZONTAL			
17880.150	61.5	-18.5	45.6	34.400	HORIZONTAL			

## **Measurement results for Set.3**:

## **USB Mode/Average detector**

Frequency(MHz)	Result(dBµV/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>mea</sub> (dBµV)	Polarity
17946.450	51.5	-17.7	45.6	23.600	HORIZONTAL
17985.550	51.5	-17.7	45.6	23.600	HORIZONTAL
17993.200	51.3	-17.7	45.6	23.400	VERTICAL
17909.900	51.2	-18.5	45.6	24.100	HORIZONTAL
17949.850	51.2	-17.7	45.6	23.300	HORIZONTAL
17999.150	51.1	-17.7	45.6	23.200	VERTICAL

## **USB Mode/ Peak detector**

Frequency(MHz)	Result(dBµV/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>mea</sub> (dBµV)	Polarity
17992.350	61.8	-17.7	45.6	33.900	HORIZONTAL
17811.300	61.7	-18.5	45.6	34.600	VERTICAL
17994.050	61.6	-17.7	45.6	33.700	VERTICAL
17966.000	61.4	-17.7	45.6	33.500	HORIZONTAL
17907.350	61.2	-18.5	45.6	34.100	VERTICAL
17977.900	61.2	-17.7	45.6	33.300	HORIZONTAL



## Measurement results for Set.4:

## **USB Mode/Average detector**

Frequency(MHz)	Result(dBµV/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>mea</sub> (dBµV)	Polarity
17966.850	52.0	-17.7	45.6	24.100	HORIZONTAL
17992.350	51.8	-17.7	45.6	23.900	HORIZONTAL
17981.300	51.5	-17.7	45.6	23.600	VERTICAL
17989.800	51.5	-17.7	45.6	23.600	VERTICAL
17936.250	51.4	-17.7	45.6	23.500	HORIZONTAL
17924.350	51.4	-17.7	45.6	23.500	HORIZONTAL

#### **USB Mode/ Peak detector**

Frequency(MHz)	Result(dBµV/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>mea</sub> (dBµV)	Polarity
17864.000	61.9	-18.5	45.6	34.800	HORIZONTAL
17860.600	61.7	-18.5	45.6	34.600	HORIZONTAL
17981.300	61.7	-17.7	45.6	33.800	VERTICAL
17879.300	61.6	-18.5	45.6	34.500	HORIZONTAL
17988.950	61.6	-17.7	45.6	33.700	VERTICAL
17943.050	61.5	-17.7	45.6	33.600	VERTICAL

Note: The measurement results of Set.1, Set.2, Set.3, Set.4 showed here are worst cases of the combinations of different batteries and USB cables.



## **Charging Mode, Set.1**



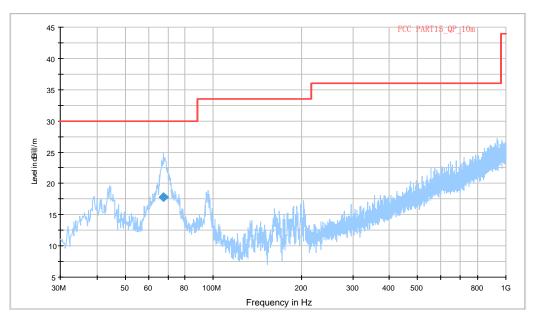


Figure A.1 Radiated Emission from 30MHz to 1GHz

## **Final Result 1**

Frequency	QuasiPeak	Height	Polarization	Azimuth	Corr.	Margin	Limit
(MHz)	$(dB\mu V/m)$	(cm)		(deg)	(dB)	(dB)	(dBµV/m)
67.539000	17.7	225.0	V	73.0	-14.5	12.3	30.0

#### Normal RE\_1G-18GHz

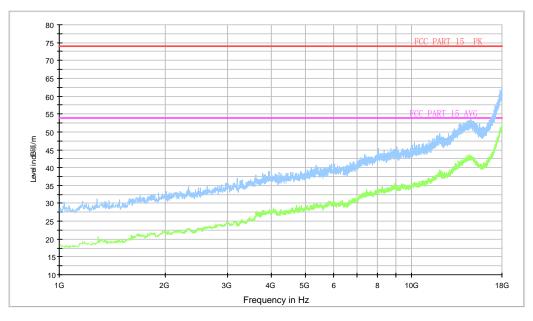


Figure A.2 Radiated Emission from 1GHz to 18GHz



## Charging Mode, Set.2



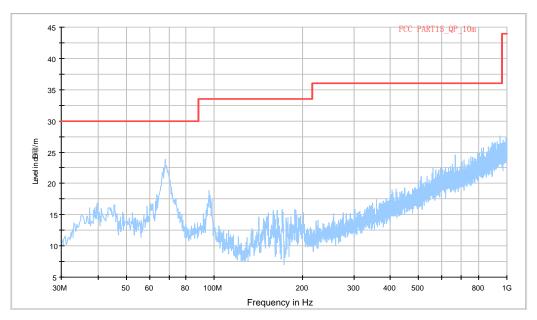


Figure A.3 Radiated Emission from 30MHz to 1GHz



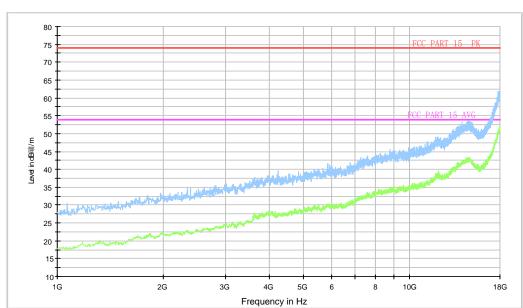
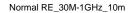


Figure A.4 Radiated Emission from 1GHz to 18GHz



## **USB Mode, Set.3**



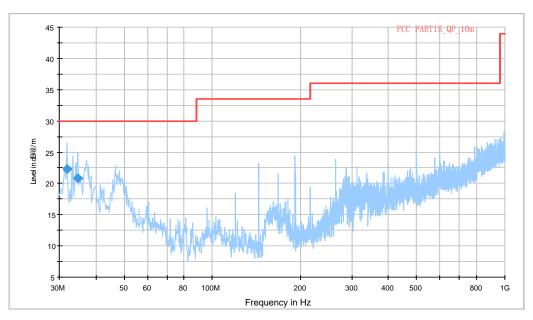


Figure A.5 Radiated Emission from 30MHz to 1GHz

## **Final Result 1**

Frequency	QuasiPeak	Height	Polarization	Azimuth	Corr.	Margin	Limit
(MHz)	$(dB\mu V/m)$	(cm)		(deg)	(dB)	(dB)	(dBµV/m)
31.783000	22.4	184.0	V	300.0	-13.8	7.6	30.0
34.813000	20.8	225.0	V	-23.0	-13.2	9.2	30.0

Normal RE\_1G-18GHz

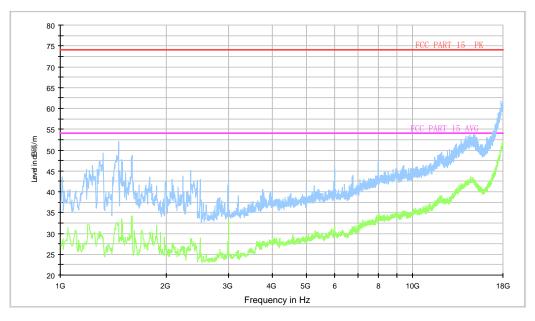


Figure A.6 Radiated Emission from 1GHz to 18GHz



## **USB Mode, Set.4**



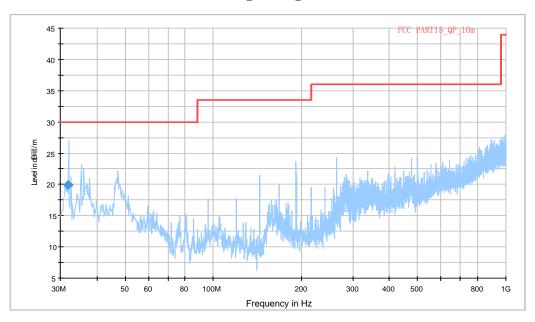


Figure A.7 Radiated Emission from 30MHz to 1GHz

## **Final Result 1**

Frequency	QuasiPeak	Height	Polarization	Azimuth	Corr.	Margin	Limit
(MHz)	$(dB\mu V/m)$	(cm)		(deg)	(dB)	(dB)	(dBµV/m)
31.834000	19.9	291.0	V	80.0	-13.8	10.1	30.0

#### Normal RE\_1G-18GHz

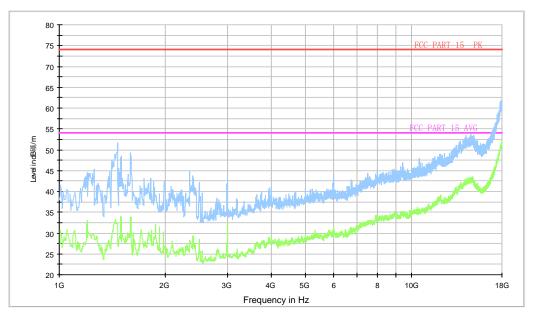


Figure A.8 Radiated Emission from 1GHz to 18GHz



# 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.

#### 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

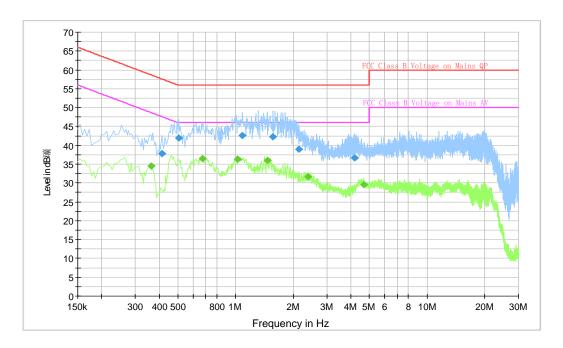
RBW/IF bandwidth	Sweep Time(s)
9kHz	1



#### A.2.5 Measurement Results

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

## Charging Mode, Set.1



**Figure A.9 Conducted Emission** 

## **Final Result 1**

Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.411000	37.8	2000.0	9.000	On	L1	19.9	19.8	57.6
0.505500	42.0	2000.0	9.000	On	Ν	19.9	14.0	56.0
1.086000	42.6	2000.0	9.000	On	N	19.7	13.4	56.0
1.572000	42.2	2000.0	9.000	On	L1	19.7	13.8	56.0
2.148000	38.9	2000.0	9.000	On	L1	19.5	17.1	56.0
4.209000	36.6	2000.0	9.000	On	L1	19.6	19.4	56.0

# **Final Result 2**

_	1 111011 11000111 =										
	Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit		
	(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)		
	0.361500	34.5	2000.0	9.000	On	N	19.8	14.2	48.7		
	0.672000	36.4	2000.0	9.000	On	Ν	19.8	9.6	46.0		
	1.023000	36.2	2000.0	9.000	On	Ν	19.7	9.8	46.0		
	1.468500	36.0	2000.0	9.000	On	Ν	19.7	10.0	46.0		
	2.391000	31.6	2000.0	9.000	On	N	19.2	14.4	46.0		
	4.659000	29.6	2000.0	9.000	On	N	19.6	16.4	46.0		

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



## **Charging Mode, Set.2**

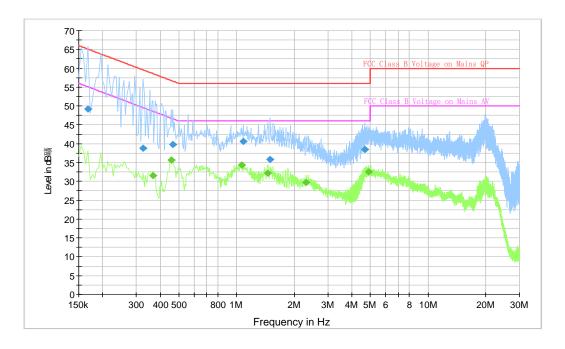


Figure A.10 Conducted Emission

## **Final Result 1**

i iiidi itoodit	•							
Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.168000	49.2	2000.0	9.000	On	L1	19.8	15.9	65.1
0.325500	38.7	2000.0	9.000	On	L1	19.8	20.8	59.6
0.465000	39.8	2000.0	9.000	On	L1	19.9	16.8	56.6
1.086000	40.6	2000.0	9.000	On	L1	19.7	15.4	56.0
1.500000	35.9	2000.0	9.000	On	N	19.7	20.1	56.0
4.659000	38.4	2000.0	9.000	On	L1	19.6	17.6	56.0

# **Final Result 2**

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.366000	31.5	2000.0	9.000	On	L1	19.8	17.1	48.6
0.456000	35.7	2000.0	9.000	On	L1	19.9	11.1	46.8
1.068000	34.3	2000.0	9.000	On	L1	19.7	11.7	46.0
1.455000	32.2	2000.0	9.000	On	L1	19.7	13.8	46.0
2.314500	29.7	2000.0	9.000	On	L1	19.3	16.3	46.0
4.879500	32.6	2000.0	9.000	On	L1	19.6	13.4	46.0

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



## **USB Mode, Set.3**

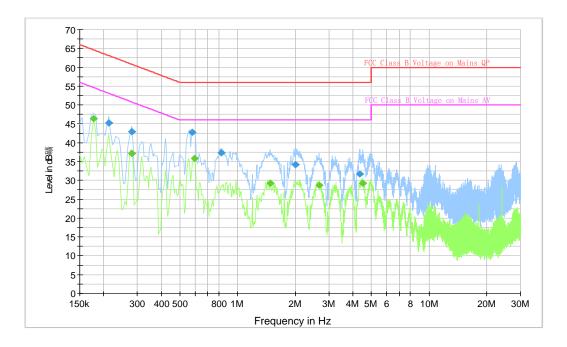


Figure A.11 Conducted Emission

## **Final Result 1**

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Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.213000	45.2	2000.0	9.000	On	N	19.8	17.8	63.1
0.280500	42.9	2000.0	9.000	On	N	19.8	17.9	60.8
0.582000	42.7	2000.0	9.000	On	L1	19.9	13.3	56.0
0.825000	37.3	2000.0	9.000	On	N	19.8	18.7	56.0
2.013000	34.2	2000.0	9.000	On	L1	19.7	21.8	56.0
4.366500	31.7	2000.0	9.000	On	N	19.6	24.3	56.0

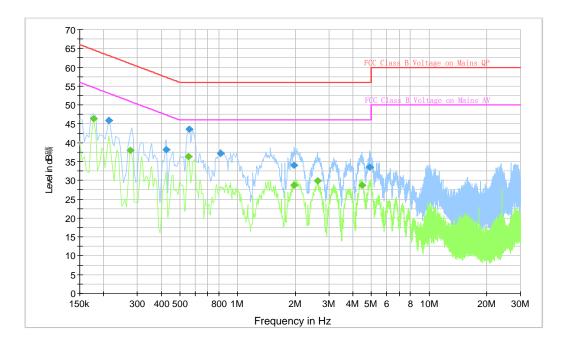
# **Final Result 2**

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.177000	46.4	2000.0	9.000	On	N	19.8	8.2	54.6
0.280500	37.1	2000.0	9.000	On	N	19.8	13.7	50.8
0.595500	35.9	2000.0	9.000	On	L1	19.8	10.1	46.0
1.477500	29.3	2000.0	9.000	On	N	19.7	16.7	46.0
2.665500	28.7	2000.0	9.000	On	L1	19.4	17.3	46.0
4.492500	29.2	2000.0	9.000	On	L1	19.6	16.8	46.0

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



## **USB Mode, Set.4**



**Figure A.12 Conducted Emission** 

## **Final Result 1**

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	Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
	(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
	0.213000	45.9	2000.0	9.000	On	N	19.8	17.2	63.1
	0.424500	38.1	2000.0	9.000	On	L1	19.9	19.2	57.4
	0.559500	43.5	2000.0	9.000	On	L1	19.9	12.5	56.0
	0.811500	37.2	2000.0	9.000	On	N	19.8	18.8	56.0
	1.977000	34.0	2000.0	9.000	On	L1	19.7	22.0	56.0
	4.915500	33.5	2000.0	9.000	On	L1	19.6	22.5	56.0

# **Final Result 2**

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.177000	46.4	2000.0	9.000	On	N	19.8	8.2	54.6
0.276000	38.0	2000.0	9.000	On	N	19.8	12.9	50.9
0.555000	36.4	2000.0	9.000	On	N	19.9	9.6	46.0
1.977000	28.8	2000.0	9.000	On	L1	19.7	17.2	46.0
2.616000	29.9	2000.0	9.000	On	L1	19.2	16.1	46.0
4.456500	28.8	2000.0	9.000	On	N	19.6	17.2	46.0

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

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