

# TEST REPORT No. I16Z40414-EMC01

for

### **TCL Communication Ltd**

# LTE/UMTS/GSM handheld station with Bluetooth technology, WiFi

and FM radio

Model Name: 50951

FCC ID: 2ACCJH043

with

**Hardware Version: PIO** 

Software Version: v1K14

Issued Date: 2016-04-26

### 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: cttl\_terminals@catr.cn, website: www.chinattl.com



# **REPORT HISTORY**

Report Number	Revision	Description	Issue Date
I16Z40414-EMC01	Rev.0	1 <sup>st</sup> edition	2016-03-29
I16Z40414-EMC01	Rev.1	2 <sup>nd</sup> edition	2016-04-26



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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°C Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2016-03-14
Testing End Date: 2016-03-18

1.4. Signature

Wang Junqing

(Prepared this test report)

屈鹏飞

Qu Pengfei

(Reviewed this test report)

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:
 0086-21-51798260

 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: 0086-21-51798260 Fax: 0086-21-61460602



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

### 3.1. About EUT

Description LTE/UMTS/GSM handheld station with Bluetooth technology, WiFi

and FM radio

Model Name 5095I

FCC ID 2ACCJH043

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	<b>HW Version</b>	SW Version
EUT1	014614000100059	PIO	v1K14

<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	1	inbulit
	AE2	Battery	1	inbulit
	AE3	USB cable	/	14TCT-DC-0826
	AE4	USB cable	1	16TCT-DC-0085
	AE7	Travel charger	/	16TCT-CH-0417
	AE8	Travel charger	/	/
F	\E1			
	Model		CAC2960001C1	
	Manufactu	urer	BYD	
	Capacitar	ice	2960mAh	
	Nominal v	roltage	3.84V	
F	AE2			
	Model		CAC2960003C2	
	Manufactu	urer	SCUD	
	Capacitar	ice	2960mAh	
	Nominal v	roltage	3.84V	





AE3

Model CDA0000024C2

Manufacturer JUWEI Length of cable 75cm

AE4

Model CDA0000024C8

Manufacturer PUAN Length of cable 75cm

AE7

Model CBA0061AG0C1

Manufacturer BYD

Length of cable /

AE8

Model CBA0061AG0C2

Manufacturer Tenpao

Length of cable /

\*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.1	EUT1+ AE1 + AE7+ AE3/AE4	Charger
Set.2	EUT1+ AE1 + AE8+ AE3/AE4	Charger
Set.3	EUT1+ AE1 + AE3	USB mode
Set.4	EUT1+ AE1 + AE4	USB mode

Note: LTE/UMTS/GSM handheld station with Bluetooth technology, WiFi and FM radio 5095I manufactured by TCL Communication Ltd is a variant model based on 5095B for conformance test. According to the declaration of changes, no test needs to been performed, all results are cited from the initial model. The report number for initial model is I16Z40225-EMC01.



# 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	2015
ANSI C63.4	Methods of Measurement of Radio-Noise 2	
	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 M	
Ground system resistance	< 4	
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	

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

g .	
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 M
Ground system resistance	< 4



# 6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Р		Pass
Verdict Column	NA	Not applicable
	F	Fail
Location Column A/B/C/D		The test is performed in test location A, B, C or D
Location Column	A/B/C/D	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	Α



# 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	CMU200	109914	R&S	2016-03-26	1 year
3	Universal Radio Communication Tester	CMW500	143008	R&S	2016-12-09	1 year
4	LISN	ENV216	101200	R&S	2016-07-07	1 year
5	EMI Antenna	VULB 9163	9163-514	Schwarzbeck	2017-11-24	3 years
6	EMI Antenna	3115	6914	ETS-Lindgren	2016-12-15	3 years
7	PC	OPTIPLEX 380	2X1YV2X	DELL	N/A	N/A
8	Printer	P1606dn	VNC3L52122	HP	N/A	N/A
9	Keyboard	L100	CN0RH6596589 07ATOI40	DELL	N/A	N/A
10	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.

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

#### A.1.3 Measurement Limit

Frequency range	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
17949.850	51.3	-17.7	45.6	23.400	HORIZONTAL
17926.900	50.9	-17.7	45.6	23.000	HORIZONTAL
17972.800	50.7	-17.7	45.6	22.800	VERTICAL
17901.400	50.7	-18.5	45.6	23.600	HORIZONTAL
17983.850	50.5	-17.7	45.6	22.600	HORIZONTAL
17909.050	50.4	-18.5	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
17919.250	61.1	-17.7	45.6	33.200	HORIZONTAL
17856.350	61.0	-18.5	45.6	33.900	VERTICAL
17092.200	61.0	-19.8	41.5	39.300	HORIZONTAL
17827.450	60.8	-18.5	45.6	33.700	VERTICAL
17977.900	60.8	-17.7	45.6	32.900	VERTICAL
17975.350	60.8	-17.7	45.6	32.900	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
17942.200	50.9	-17.7	45.6	23.000	VERTICAL
17974.500	50.9	-17.7	45.6	23.000	HORIZONTAL
17939.650	50.7	-17.7	45.6	22.800	HORIZONTAL
17897.150	50.6	-18.5	45.6	23.500	HORIZONTAL
17933.700	50.5	-17.7	45.6	22.600	VERTICAL
17997.450	50.4	-17.7	45.6	22.500	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
17977.900	61.5	-17.7	45.6	33.600	HORIZONTAL
17870.800	61.2	-18.5	45.6	34.100	HORIZONTAL
17997.450	60.9	-17.7	45.6	33.000	VERTICAL
17959.200	60.6	-17.7	45.6	32.700	VERTICAL
17791.750	60.5	-18.5	45.6	33.400	VERTICAL
17816.400	60.4	-18.5	45.6	33.300	HORIZONTAL

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

### **USB Mode/Average detector**

Frequency(MHz)	Result(dB <sub>μ</sub> V/m)	G <sub>PL</sub> (dB)	G <sub>A</sub> (dB/m)	P <sub>Mea</sub> (dBµV)	Polarity
17908.200	50.8	-18.5	45.6	23.700	VERTICAL
17949.000	50.7	-17.7	45.6	22.800	HORIZONTAL
17921.800	50.7	-17.7	45.6	22.800	HORIZONTAL
17965.150	50.5	-17.7	45.6	22.600	VERTICAL
17916.700	50.5	-17.7	45.6	22.600	HORIZONTAL
17960.050	50.4	-17.7	45.6	22.500	HORIZONTAL

# **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
17456.850	61.2	-19.2	41.5	38.900	HORIZONTAL
17964.300	60.9	-17.7	45.6	33.000	VERTICAL
17842.750	60.7	-18.5	45.6	33.600	HORIZONTAL
17784.950	60.7	-18.5	45.6	33.600	HORIZONTAL
17949.000	60.6	-17.7	45.6	32.700	VERTICAL
17865.700	60.6	-18.5	45.6	33.500	VERTICAL



### 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
17944.750	51.0	-17.7	45.6	23.100	HORIZONTAL
17991.500	50.9	-17.7	45.6	23.000	VERTICAL
17940.500	50.8	-17.7	45.6	22.900	HORIZONTAL
17992.350	50.6	-17.7	45.6	22.700	VERTICAL
17926.050	50.6	-17.7	45.6	22.700	VERTICAL
17916.700	50.5	-17.7	45.6	22.600	HORIZONTAL

### **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
17825.750	61.0	-18.5	45.6	33.900	HORIZONTAL
17941.350	60.7	-17.7	45.6	32.800	HORIZONTAL
17962.600	60.5	-17.7	45.6	32.600	VERTICAL
17996.600	60.5	-17.7	45.6	32.600	HORIZONTAL
17776.450	60.5	-18.5	45.6	33.400	VERTICAL
17754.350	60.4	-18.5	45.6	33.300	VERTICAL

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



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



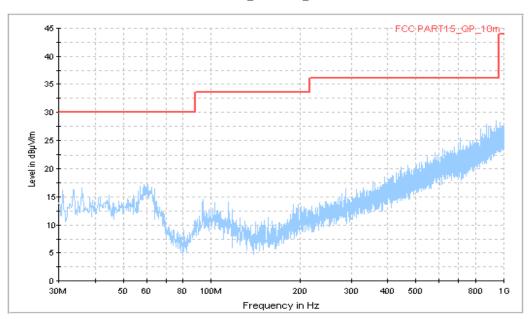


Figure A.1 Radiated Emission from 30MHz to 1GHz



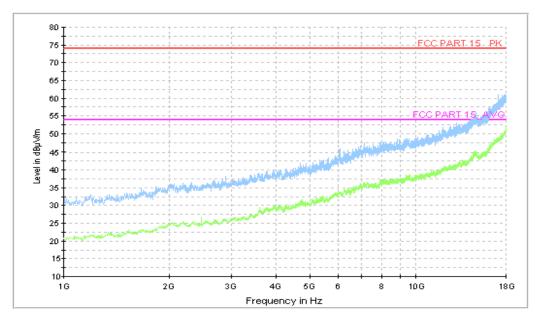


Figure A.2 Radiated Emission from 1GHz to 18GHz



### Charging Mode, Set.2



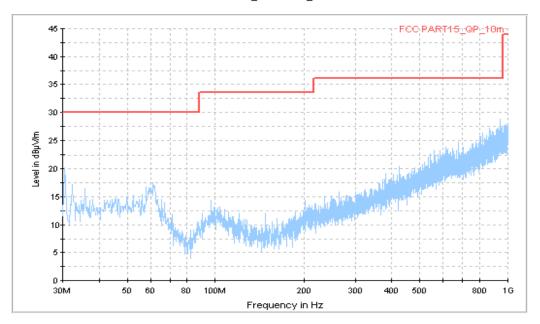


Figure A.3 Radiated Emission from 30MHz to 1GHz

#### Normal RE\_1G-18GHz

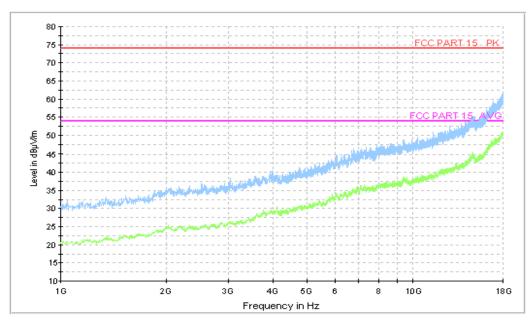


Figure A.4 Radiated Emission from 1GHz to 18GHz



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



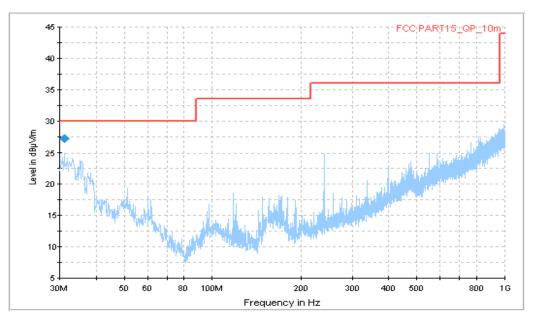


Figure A.5 Radiated Emission from 30MHz to 1GHz

### **Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
(MHZ)	(αΒμ ٧/ΙΙΙ)	(CIII)		(deg)	(ub)	(ub)	(αΒμ ν/ΙΙΙ)
31.164000	27.2	113.0	V	270.0	-13.9	2.8	30.0

#### Normal RE\_1G-18GHz

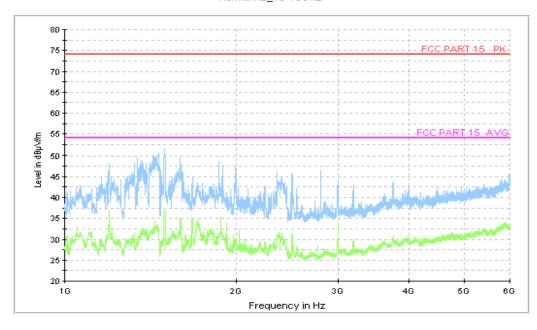


Figure A.6 Radiated Emission from 1GHz to 18GHz



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



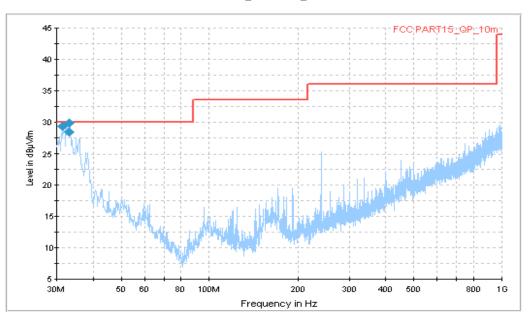


Figure A.7 Radiated Emission from 30MHz to 1GHz

### **Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
31.455000	29.2	107.0	V	23.0	-13.9	0.8	30.0
33.150000	28.3	175.0	V	15.0	-13.6	1.7	30.0
33.215000	29.9	125.0	V	30.0	-13.5	0.1	30.0

#### Normal RE\_1G-18GHz

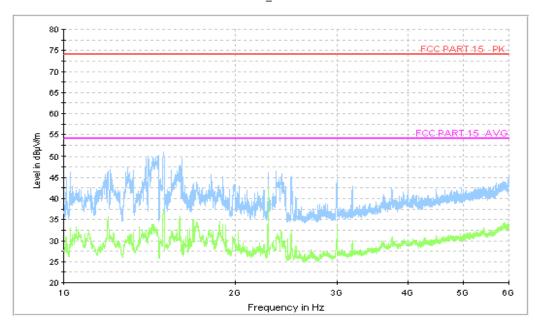


Figure A.8 Radiated Emission from 1GHz to 18GHz



# 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.

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

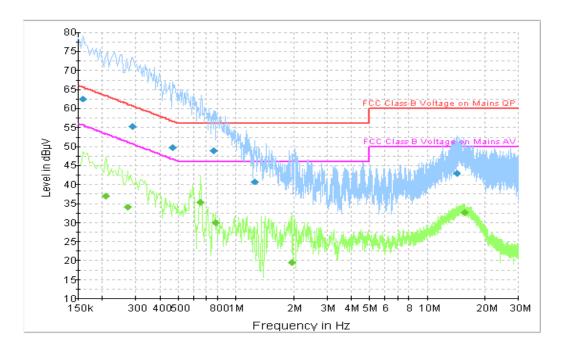
RBW/IF bandwidth	Sweep Time(s)
9kHz	1



### A.2.5 Measurement Results

Measurement uncertainty: *U*= 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)
0.159000	62.6	2000.0	9.000	On	L1	19.9	2.9	65.5
0.289500	55.3	2000.0	9.000	On	N	19.8	5.3	60.5
0.465000	49.6	2000.0	9.000	On	N	19.9	7.0	56.6
0.762000	48.9	2000.0	9.000	On	N	19.8	7.1	56.0
1.257000	40.7	2000.0	9.000	On	N	19.7	15.3	56.0
14.212500	42.8	2000.0	9.000	On	N	19.9	17.2	60.0

# **Final Result 2**

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.208500	36.9	2000.0	9.000	On	L1	19.8	16.4	53.3
0.271500	34.0	2000.0	9.000	On	N	19.8	17.1	51.1
0.654000	35.3	2000.0	9.000	On	N	19.8	10.7	46.0
0.784500	30.0	2000.0	9.000	On	N	19.8	16.0	46.0
1.963500	19.5	2000.0	9.000	On	N	19.7	26.5	46.0
15.720000	32.6	2000.0	9.000	On	L1	20.0	17.4	50.0



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

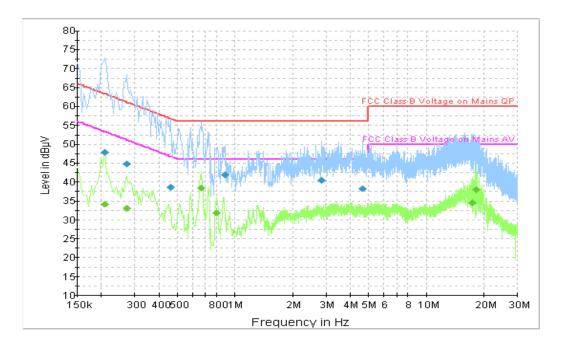


Figure A.10 Conducted Emission

## **Final Result 1**

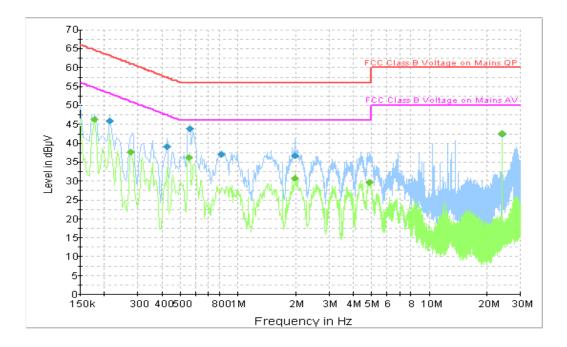
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Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.208500	47.7	2000.0	9.000	On	L1	19.8	15.5	63.3
0.271500	44.7	2000.0	9.000	On	L1	19.8	16.3	61.1
0.460500	38.6	2000.0	9.000	On	L1	19.9	18.1	56.7
0.883500	41.8	2000.0	9.000	On	N	19.8	14.2	56.0
2.854500	40.4	2000.0	9.000	On	L1	18.9	15.6	56.0
4.636500	38.2	2000.0	9.000	On	N	19.6	17.8	56.0

# **Final Result 2**

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.208500	34.1	2000.0	9.000	On	L1	19.8	19.2	53.3
0.271500	32.9	2000.0	9.000	On	L1	19.8	18.2	51.1
0.667500	38.5	2000.0	9.000	On	N	19.8	7.5	46.0
0.798000	31.7	2000.0	9.000	On	N	19.8	14.3	46.0
17.389500	34.4	2000.0	9.000	On	L1	20.0	15.6	50.0
18.186000	37.9	2000.0	9.000	On	L1	19.9	12.1	50.0



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



**Figure A.11 Conducted Emission** 

## **Final Result 1**

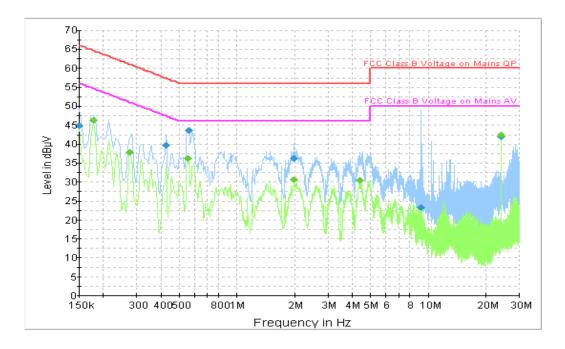
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Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.213000	45.9	2000.0	9.000	On	N	19.8	17.2	63.1
0.424500	39.0	2000.0	9.000	On	N	19.9	18.4	57.4
0.559500	43.7	2000.0	9.000	On	L1	19.9	12.3	56.0
0.811500	37.0	2000.0	9.000	On	N	19.8	19.0	56.0
1.990500	36.7	2000.0	9.000	On	N	19.7	19.3	56.0
23.977500	42.5	2000.0	9.000	On	L1	20.0	17.5	60.0

# **Final Result 2**

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.177000	46.2	2000.0	9.000	On	N	19.8	8.4	54.6
0.276000	37.7	2000.0	9.000	On	N	19.8	13.2	50.9
0.555000	36.1	2000.0	9.000	On	L1	19.9	9.9	46.0
1.990500	30.7	2000.0	9.000	On	N	19.7	15.3	46.0
4.875000	29.6	2000.0	9.000	On	N	19.6	16.4	46.0
23.977500	42.7	2000.0	9.000	On	N	20.1	7.3	50.0



### **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)
0.150000	44.7	2000.0	9.000	On	L1	20.2	21.3	66.0
0.424500	39.6	2000.0	9.000	On	L1	19.9	17.8	57.4
0.559500	43.6	2000.0	9.000	On	L1	19.9	12.4	56.0
1.990500	36.2	2000.0	9.000	On	N	19.7	19.8	56.0
9.141000	23.3	2000.0	9.000	On	N	19.7	36.7	60.0
23.977500	42.0	2000.0	9.000	On	L1	20.0	18.0	60.0

# **Final Result 2**

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time(ms)	(kHz)			(dB)	(dB)	(dBµV)
0.177000	46.2	2000.0	9.000	On	N	19.8	8.5	54.6
0.276000	37.7	2000.0	9.000	On	N	19.8	13.2	50.9
0.555000	36.1	2000.0	9.000	On	L1	19.9	9.9	46.0
1.986000	30.6	2000.0	9.000	On	N	19.7	15.4	46.0
4.402500	30.4	2000.0	9.000	On	N	19.6	15.6	46.0
23.977500	42.4	2000.0	9.000	On	N	20.1	7.6	50.0