



TEST REPORT

No. I22Z61444-EMC01

for

FIH CO., LTD.

Smart phone

Model Name: EABF22206A, ECBF22208A

FCC ID: RYQEABF22206A

with

Hardware Version: 1.0

Software Version: EABF22206A_2140U, ECBF22208A_2140U

Issued Date: 2022-09-08

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.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

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@caict.ac.cn, website: www.caict.ac.cn



REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22Z61444-EMC01	Rev.0	1 st edition	2022-09-08

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

CONTENTS

1. TEST LABORATORY	4
1.1. INTRODUCTION & ACCREDITATION	4
1.2. TESTING LOCATION	4
1.3. TESTING ENVIRONMENT	4
1.4. PROJECT DATA	4
1.5. SIGNATURE	4
2. CLIENT INFORMATION	5
2.1. APPLICANT INFORMATION.....	5
2.2. MANUFACTURER INFORMATION.....	5
3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)	6
3.1. ABOUT EUT.....	6
3.2. INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST	6
3.3. INTERNAL IDENTIFICATION OF AE USED DURING THE TEST.....	6
3.4. EUT SET-UPS	6
4. REFERENCE DOCUMENTS.....	8
4.1. REFERENCE DOCUMENTS FOR TESTING.....	8
5. LABORATORY ENVIRONMENT.....	9
6. SUMMARY OF TEST RESULTS.....	10
7. TEST EQUIPMENTS UTILIZED.....	11
ANNEX A: MEASUREMENT RESULTS	12
ANNEX B: PERSONS INVOLVED IN THIS TESTING	27

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

1.3. Testing Environment

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

1.4. Project data

Testing Start Date: 2022-08-02
Testing End Date: 2022-08-18

1.5. Signature



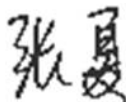
Zhang Ying

(Prepared this test report)



An Hui

(Reviewed this test report)



Zhang Xia

Deputy Director of the laboratory
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name: FIH CO., LTD.
Address /Post: No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
Contact: Hu Dongji
Email: dongji.hu@fih-foxconn.com
Telephone: 0086-1067869988 Ext.26442

2.2. Manufacturer Information

Company Name: FIH CO., LTD.
Address /Post: No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
Contact: Hu Dongji
Email: dongji.hu@fih-foxconn.com
Telephone: 0086-1067869988 Ext.26442

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

3.1. About EUT

Description	Smart phone
Model Name	EABF22206A, ECBF22208A
FCC ID	RYQEABF22206A
Extreme vol. Limits	3.4VDC to 4.4VDC (nominal: 3.85VDC)

Note: model XP9900(P14001) is under the test.

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
UT41a	350702820001540	1.0	EABF22206A_2140U, ECBF22208A_2140U

Note: The model of UT41a is EABF22206A

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

Note: both AT&T variant EABF22206A and Cricket variant ECBF22208A are same design, HW components and same SW function supported.

3.3. Internal Identification of AE used during the test

AE ID*	Description	SN
AE1	Battery	/
AE3	Charger	/
AE5	USB Cable	/

AE1

Model	HE401
Manufacturer	ZHONGSHAN TIANMAO BATTERY CO., LTD.
Capacity	3500mAh
Voltage	3.85V

AE3

Model	RT-C6
Manufacturer	RongTaiFeng Technology Co.,Ltd

AE5

Model	USB2.0 Type C cable_2A
Manufacturer	RongTaiFeng Technology 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.6	UT41a + AE1 + AE3 + AE5 + Camera + WCDMA	Charger1+ Camera

	850MHz idle	
Set.7	UT41a + AE1 + AE3 + AE5+ MP4+ LTE band 5 idle	Charger1+MP4
Set.7	UT41a + AE1 + AE3 + AE5+ MP4+ LTE band 12 idle	Charger1+MP4
Set.8	UT41a + AE1 + AE5+ PC + MP3 + LTE band 14 idle	USB

3.5. Test summary

EUT set-up No.	Test mode	Test result	
		Radiated Emission	Conducted Emission
Set.6	Camera + WCDMA 850MHz idle	Pass	Pass
Set.7	MP4+ LTE band 5 idle	Pass	Pass
Set.7	MP4+ LTE band 12 idle	Pass	Pass
Set.8	USB + MP3+ LTE band 14 idle	Pass	Pass

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	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 (huayuan North Road)
2	Conducted Emission	15.107(a)	B.2	P	CTTL (huayuan North Road)

7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	LISN	ENV216	101200	R&S	2023-05-30	1 Year
2	Test Receiver	ESCI 3	100344	R&S	2023-02-21	1 year
3	Test Receiver	ESW44	103023	R&S	2022-10-28	1 year
4	EMI Antenna	VULB 9163	302	Schwarzbeck	2022-12-28	1 Year
5	EMI Antenna	3115	6914	ETS-Lindgren	2023-01-20	1 year
7	Universal Radio Communication Tester	CMW500	116588	R&S	2022-12-20	1 Year
9	PC	OPTIPLEX 380	2X1YV2X	DELL	N/A	N/A
9	Printer	P1606dn	VNC3L52122	HP	N/A	N/A
10	Keyboard	L100	CN0RH6596589 07ATOI40	DELL	N/A	N/A
11	Mouse	M-UAE119	LZ935220ZRC	Lenovo	N/A	N/A

Test Item	Test Software and Version	Software Vendor
Conducted Emission	EMC32 V8.52.0	R&S
Radiated Emission	EMC32 V10.60.20	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 ($\mu\text{V/m}$)		
	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_{Mea} : Measurement result on receiver.

Measurement uncertainty:

Frequency range	Measurement uncertainty
30MHz-1GHz	5.18dB, k=2
1GHz-18GHz	5.54dB, k=2

Measurement results for Set.6, Camera + WCDMA 850MHz idle:
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
46.393000	19.28	29.54	10.26	125.0	V	342.0
82.089000	16.24	29.54	13.30	125.0	V	342.0
197.034000	18.48	33.06	14.58	100.0	V	89.0
214.106000	17.12	33.06	15.94	125.0	V	242.0
294.034000	19.54	35.56	14.02	100.0	V	193.0
325.850000	17.06	35.56	16.50	302.0	H	294.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17274.780	40.40	-29.75	43.36	26.79	54.00	13.60	V
17228.880	40.10	-29.57	43.36	26.31	54.00	13.90	H
17237.040	40.00	-29.57	43.36	26.21	54.00	14.00	H
17247.920	39.80	-30.02	43.36	26.46	54.00	14.20	V
17265.260	39.70	-29.75	43.36	26.09	54.00	14.30	V
17251.320	39.70	-30.02	43.36	26.36	54.00	14.30	V

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17350.260	50.50	-29.97	43.36	37.11	74.00	23.50	H
17808.920	50.20	-29.63	45.95	33.88	74.00	23.80	V
17369.640	50.20	-29.97	43.36	36.81	74.00	23.80	H
17373.380	50.10	-29.97	43.36	36.71	74.00	23.90	V
17246.560	50.00	-30.02	43.36	36.66	74.00	24.00	H
17257.440	50.00	-30.02	43.36	36.66	74.00	24.00	H

Measurement results for Set.7, MP4+ LTE band 5 idle:
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
47.266000	21.69	29.54	7.85	125.0	V	54.0
67.927000	17.73	29.54	11.81	222.0	V	0.0
82.574000	15.66	29.54	13.88	125.0	V	359.0
114.972000	14.71	33.06	18.35	125.0	V	94.0
196.743000	19.80	33.06	13.26	100.0	V	78.0
288.699000	17.04	35.56	16.52	100.0	V	272.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17259.820	40.00	-30.02	43.36	26.66	54.00	14.00	V
17269.680	40.00	-29.75	43.36	26.39	54.00	14.00	H
17253.700	39.90	-30.02	43.36	26.56	54.00	14.10	H
17265.260	39.90	-29.75	43.36	26.29	54.00	14.10	V
17242.820	39.80	-30.02	43.36	26.46	54.00	14.20	V
17347.200	39.70	-29.97	43.36	26.31	54.00	14.30	H

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17583.840	50.90	-29.70	45.25	35.35	74.00	23.10	H
17450.900	50.80	-29.87	44.35	36.32	74.00	23.20	V
17233.300	50.70	-29.57	43.36	36.91	74.00	23.30	H
17249.280	50.70	-30.02	43.36	37.36	74.00	23.30	H
17263.900	50.50	-29.75	43.36	36.89	74.00	23.50	H
17274.100	50.40	-29.75	43.36	36.79	74.00	23.60	V

Measurement results for Set.7, MP4+ LTE band 12 idle:
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
46.975000	20.06	29.54	9.48	125.0	V	8.0
53.377000	17.28	29.54	12.26	100.0	V	279.0
83.350000	15.63	29.54	13.91	125.0	V	-43.0
155.518000	9.32	33.06	23.74	125.0	V	13.0
198.295000	21.11	33.06	11.95	100.0	V	73.0
287.050000	14.52	35.56	21.04	100.0	V	45.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17246.560	40.00	-30.02	43.36	26.66	54.00	14.00	H
17252.000	39.80	-30.02	43.36	26.46	54.00	14.20	H
17263.220	39.70	-29.75	43.36	26.09	54.00	14.30	H
17530.460	39.60	-29.32	44.35	24.57	54.00	14.40	V
17663.060	39.60	-29.90	45.25	24.25	54.00	14.40	V
17268.660	39.60	-29.75	43.36	25.99	54.00	14.40	V

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17961.240	50.60	-29.06	46.66	33.00	74.00	23.40	V
17785.800	50.40	-29.89	45.95	34.33	74.00	23.60	V
17253.360	50.20	-30.02	43.36	36.86	74.00	23.80	H
17686.860	50.20	-29.98	45.25	34.93	74.00	23.80	V
17641.980	50.00	-29.60	45.25	34.35	74.00	24.00	H
17246.900	50.00	-30.02	43.36	36.66	74.00	24.00	H

Measurement results for Set.8, USB +MP3+ LTE band 14 idle:
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
57.354000	18.83	29.54	10.71	100.0	V	292.0
98.676000	16.57	33.06	16.49	100.0	V	13.0
374.932000	20.37	35.56	15.19	202.0	H	226.0
496.085000	26.06	35.56	9.50	325.0	V	-17.0
531.296000	24.23	35.56	11.33	275.0	V	-17.0
673.110000	23.78	35.56	11.78	183.0	V	-31.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
6049.340	45.70	-37.82	34.40	49.12	54.00	8.30	H
6049.680	44.60	-37.82	34.40	48.02	54.00	9.40	H
6049.000	41.90	-37.82	34.40	45.32	54.00	12.10	V
17965.320	40.70	-29.06	46.66	23.10	54.00	13.30	H
17977.900	40.60	-29.06	46.66	23.00	54.00	13.40	V
17774.240	40.60	-29.63	45.95	24.27	54.00	13.40	H

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17873.520	51.50	-29.39	45.95	34.94	74.00	22.50	V
17682.440	50.90	-29.98	45.25	35.63	74.00	23.10	H
17996.940	50.90	-29.06	46.66	33.30	74.00	23.10	V
17973.480	50.90	-29.06	46.66	33.30	74.00	23.10	H
17243.160	50.90	-30.02	43.36	37.56	74.00	23.10	V
17457.020	50.90	-29.87	44.35	36.42	74.00	23.10	V

Measurement results for Set.6, Camera + WCDMA 850MHz idle:

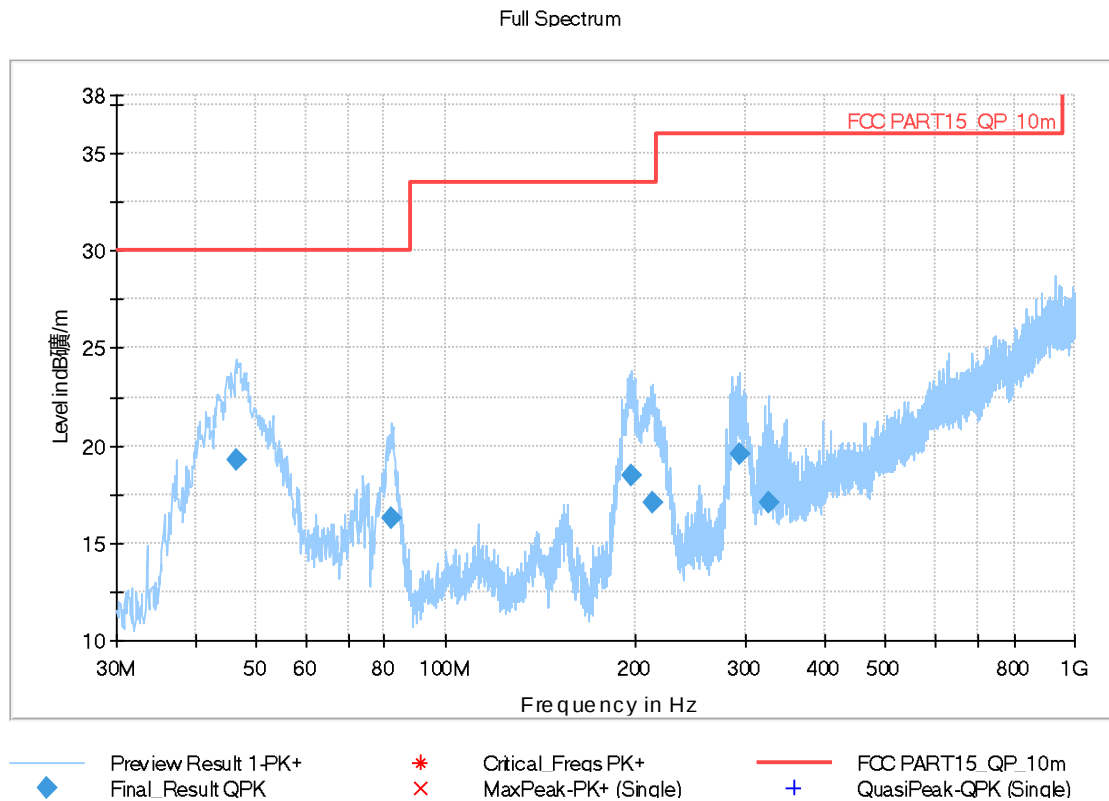


Fig A.1 Radiated Emission from 30MHz to 1GHz

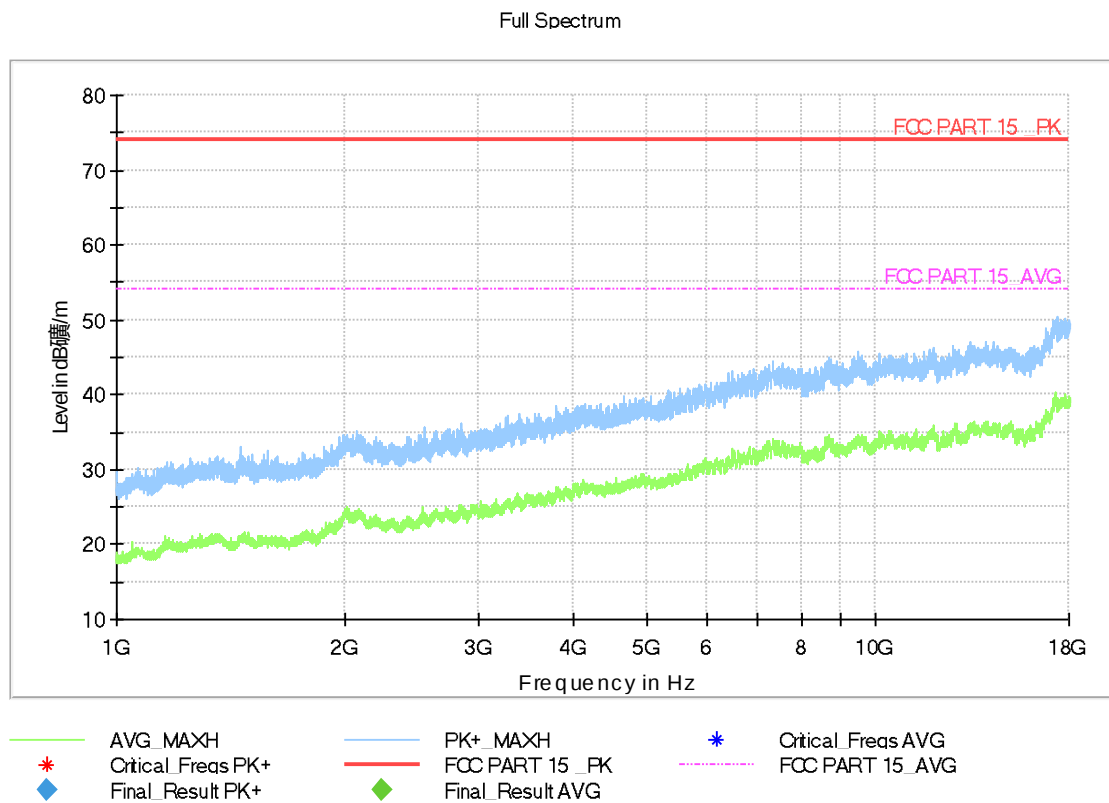


Fig A.2 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.7, MP4+ LTE band 5 idle:

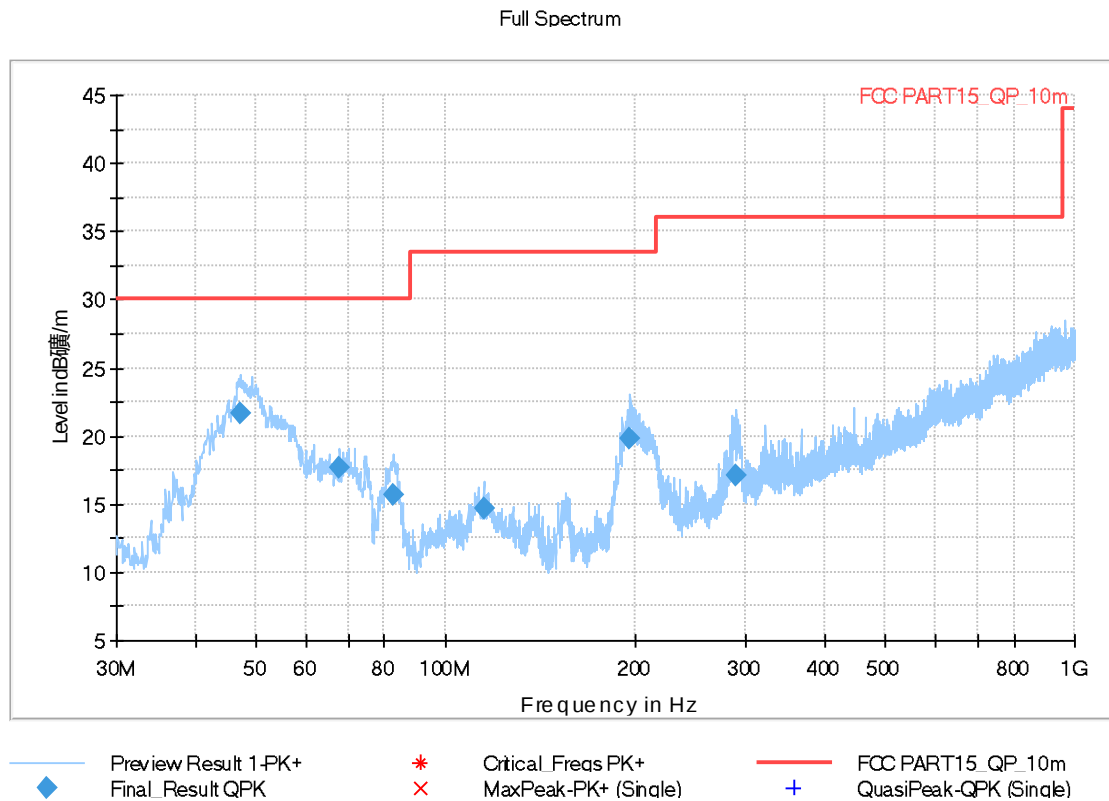


Fig A.3 Radiated Emission from 30MHz to 1GHz

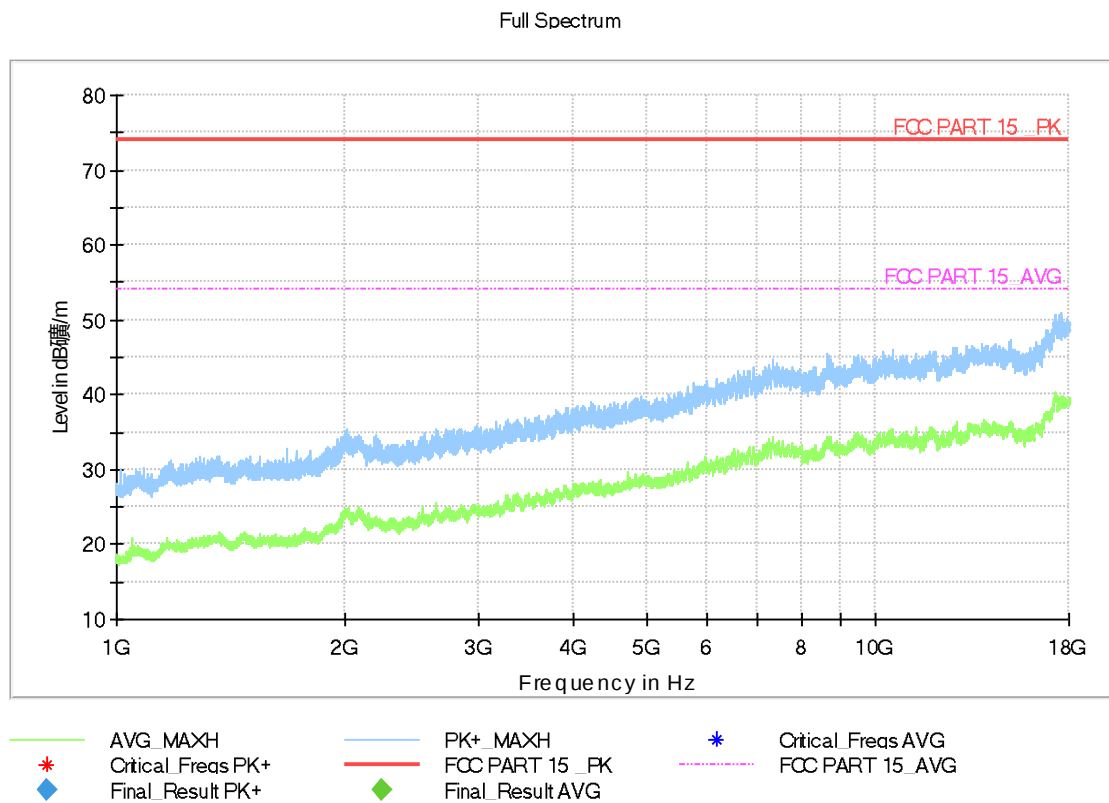


Fig A.4 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.7, MP4+ LTE band 12 idle:

Full Spectrum

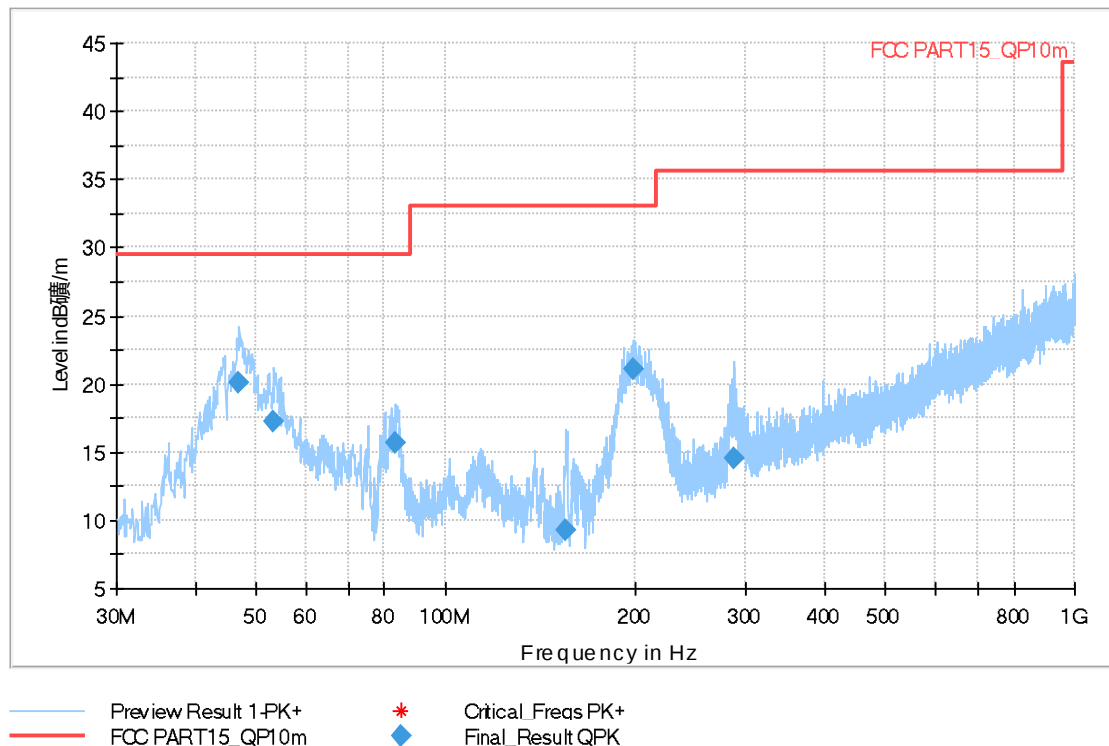


Fig A.5 Radiated Emission from 30MHz to 1GHz

Full Spectrum

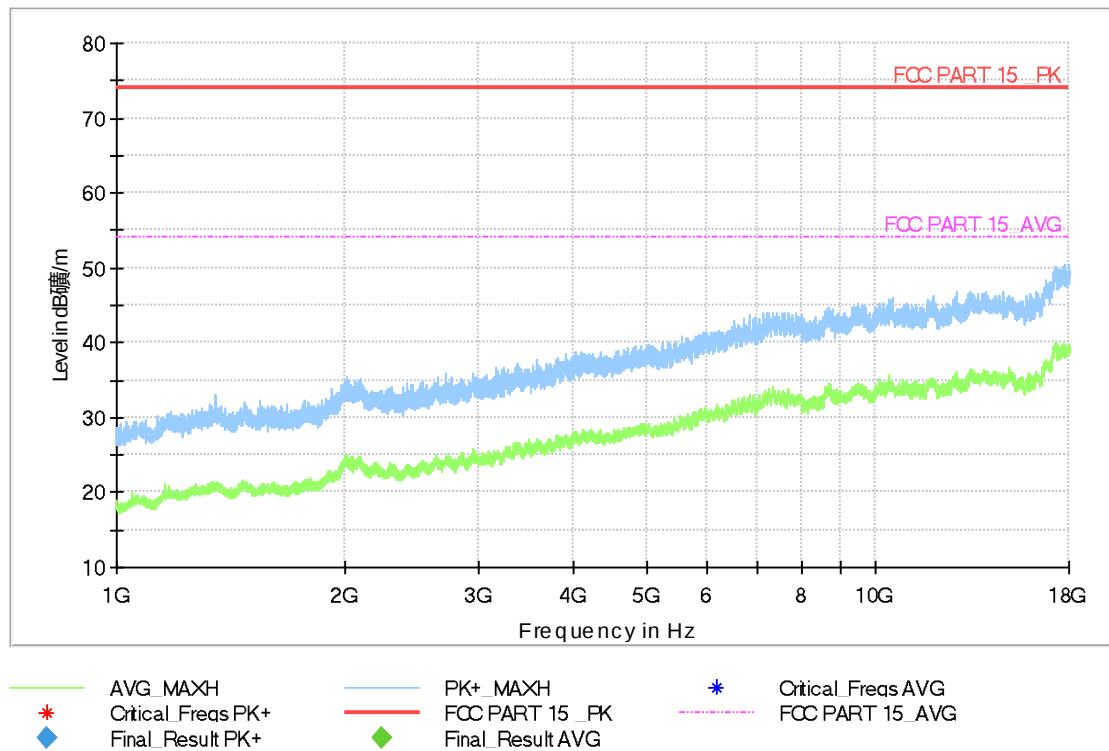


Fig A.6 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.8, USB +MP3+ LTE band 14 idle:

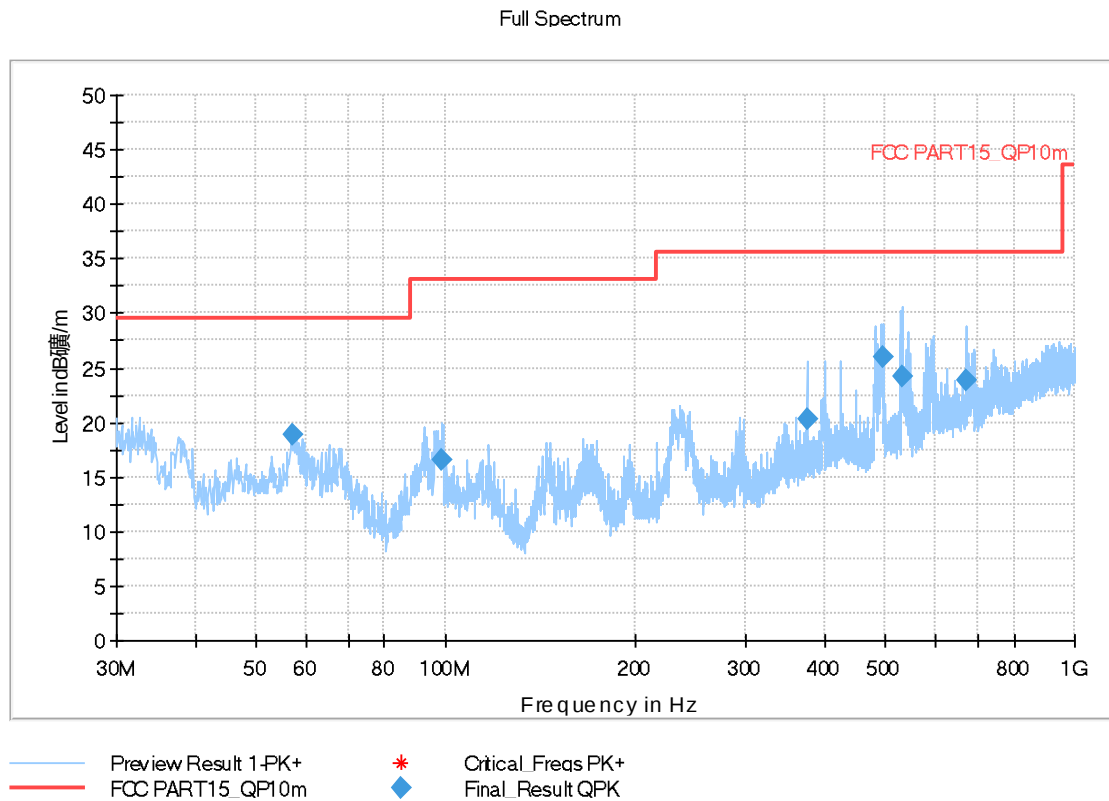


Fig A.7 Radiated Emission from 30MHz to 1GHz

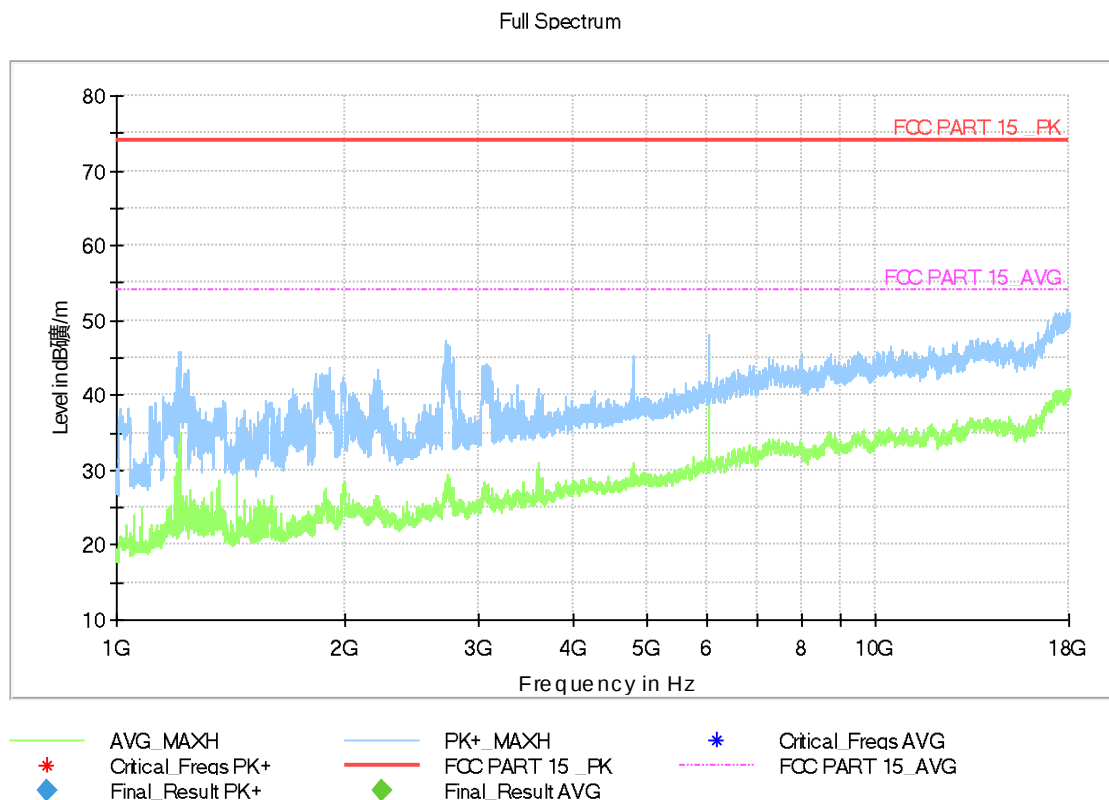


Fig A.8 Radiated Emission from 1GHz to 18GHz

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

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

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency		

A.2.4 Test Condition in charging mode

Voltage (V)	Frequency (Hz)
120	60

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

A.2.5 Measurement Results

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

Charging Mode, Set.6, Camera + WCDMA 850MHz idle:

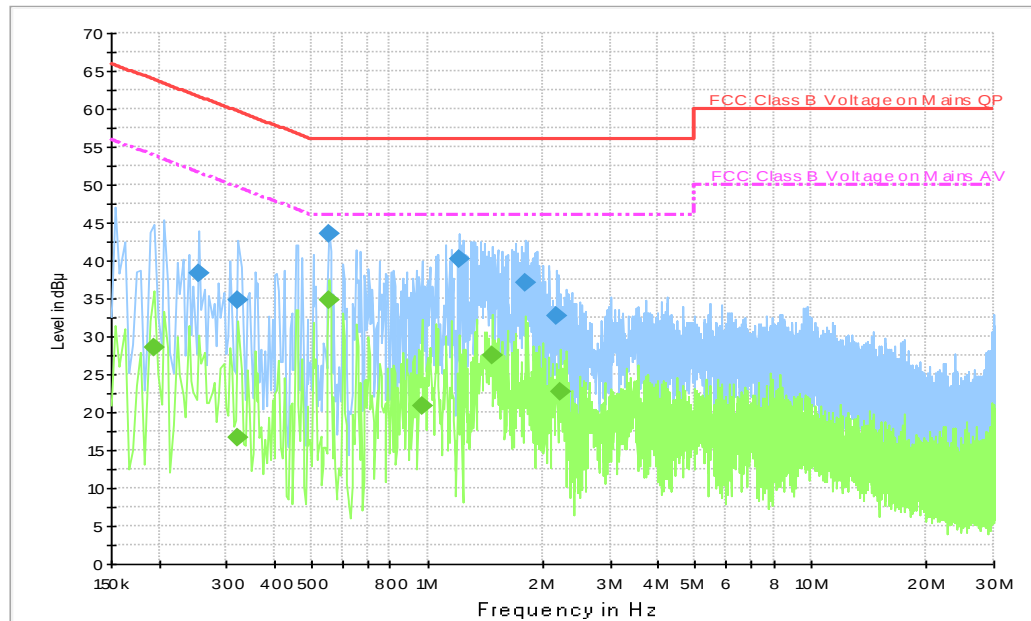


Fig A.9 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.254000	38.4	N	19.7	23.3	61.6
0.322000	34.8	N	19.7	24.9	59.7
0.554000	43.4	N	19.8	12.6	56.0
1.214000	40.2	N	19.6	15.8	56.0
1.798000	37.1	L1	19.6	18.9	56.0
2.182000	32.7	L1	19.6	23.3	56.0

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.194000	28.6	L1	19.8	25.2	53.9
0.322000	16.7	N	19.7	33.0	49.7
0.554000	34.9	L1	19.7	11.1	46.0
0.966000	20.8	N	19.6	25.2	46.0
1.474000	27.5	L1	19.7	18.5	46.0
2.226000	22.6	L1	19.6	23.4	46.0

Charging Mode, Set.7, MP4+ LTE band 5 idle:

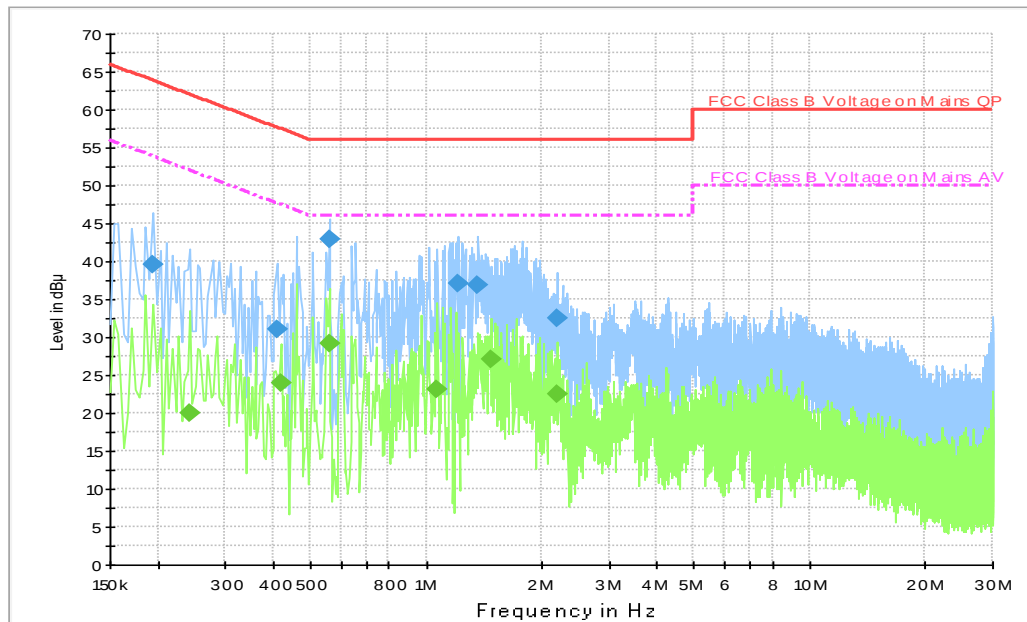


Fig A.10 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.194000	39.6	N	19.7	24.3	63.9
0.410000	31.1	N	19.8	26.6	57.6
0.558000	43.0	N	19.8	13.0	56.0
1.218000	37.0	N	19.6	19.0	56.0
1.366000	36.9	N	19.6	19.1	56.0
2.190000	32.5	L1	19.6	23.5	56.0

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.242000	20.0	N	19.7	32.0	52.0
0.418000	23.9	L1	19.7	23.6	47.5
0.558000	29.1	N	19.8	16.9	46.0
1.070000	23.1	N	19.6	22.9	46.0
1.482000	27.0	L1	19.7	19.0	46.0
2.190000	22.6	L1	19.6	23.4	46.0

Charging Mode, Set.7, MP4+ LTE band 12 idle:

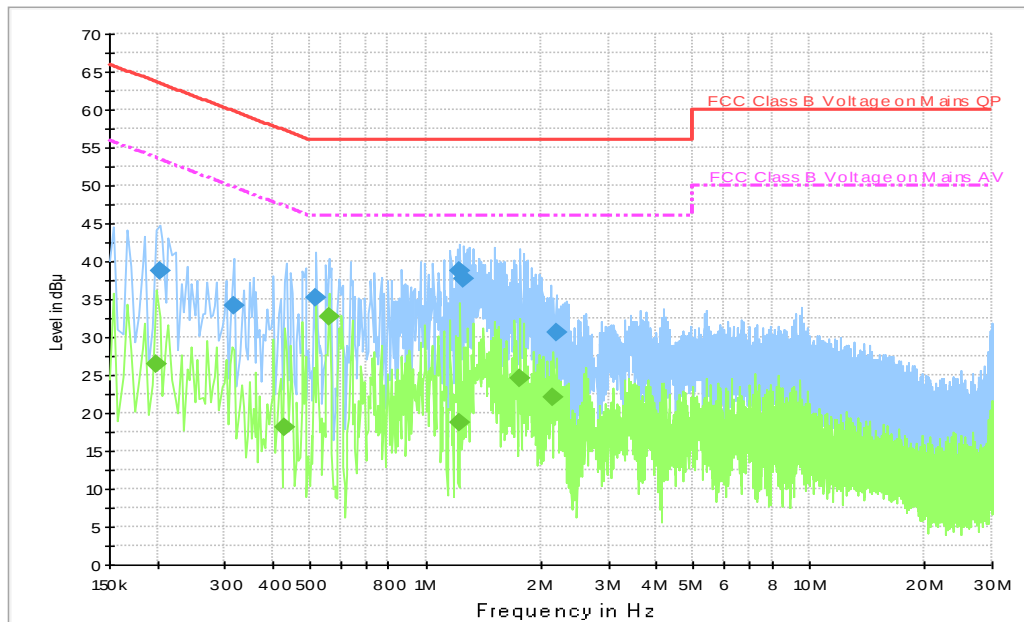


Fig A.11 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.202000	38.7	N	19.7	24.8	63.5
0.318000	34.3	N	19.8	25.5	59.8
0.518000	35.3	N	19.8	20.7	56.0
1.230000	38.7	N	19.6	17.3	56.0
1.262000	37.8	N	19.6	18.2	56.0
2.186000	30.6	L1	19.6	25.4	56.0

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.198000	26.4	L1	19.8	27.3	53.7
0.430000	18.1	L1	19.8	29.2	47.3
0.558000	32.7	L1	19.7	13.3	46.0
1.230000	18.7	N	19.6	27.3	46.0
1.754000	24.6	L1	19.6	21.4	46.0
2.158000	22.0	L1	19.6	24.0	46.0

Charging Mode, Set.8, USB + MP3+ LTE band 14 idle:

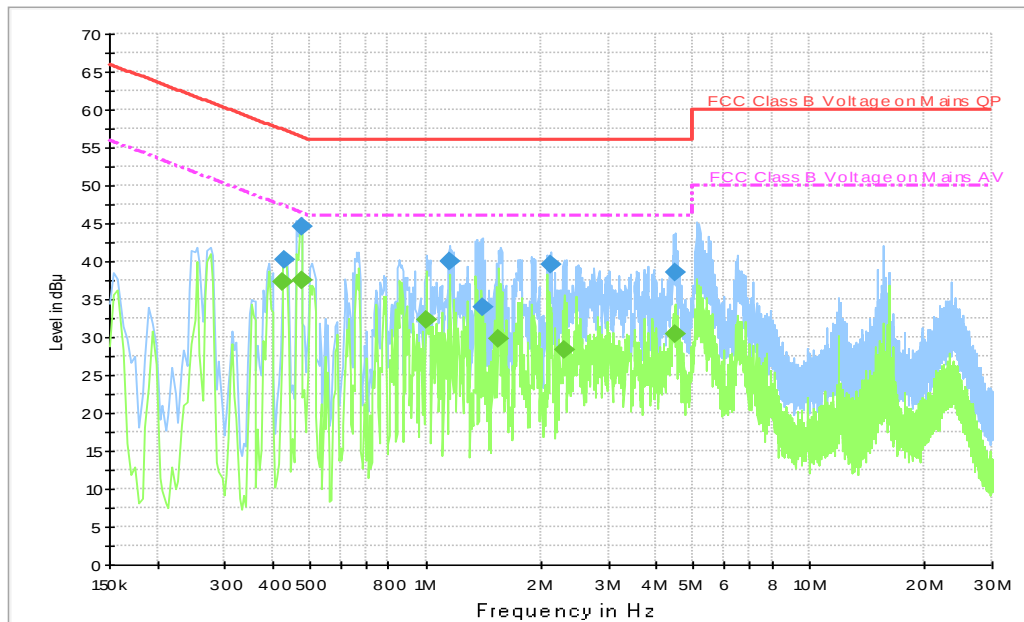


Fig A.12 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.430000	40.2	L1	19.8	17.1	57.3
0.474000	44.7	N	19.8	11.8	56.4
1.158000	39.9	L1	19.8	16.1	56.0
1.402000	34.0	N	19.6	22.0	56.0
2.122000	39.5	N	19.7	16.5	56.0
4.474000	38.5	N	19.5	17.5	56.0

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.426000	37.2	L1	19.7	10.1	47.3
0.474000	37.4	N	19.8	9.0	46.4
1.006000	32.3	L1	19.8	13.7	46.0
1.554000	29.7	L1	19.6	16.3	46.0
2.290000	28.4	N	19.7	17.6	46.0
4.474000	30.4	N	19.5	15.6	46.0

ANNEX B: PERSONS INVOLVED IN THIS TESTING

Test Item	Test operator
Conducted Emission	Chen Tianwei & Yan Hanchen
Radiated Emission	Zhang Tianli

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