FCC 15B TEST REPORT

No. I22Z61293-EMC01

for

TCL Communication Ltd.

GSM/UMTS/LTE Mobile phone

Model Name: 5131E

FCC ID: 2ACCJH161

with

Hardware Version: 05

Software Version: v9Q51

Issued Date: 2022-08-04

Note:

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Test Laboratory:

CTTL, Telecommunication Technology Labs, CAICT

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22Z61293-EMC01	Rev.0	1st edition	2022-08-04

CONTENTS

1. Test Laboratory

1.1. Testing Location

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℃

Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2022-07-22

Testing End Date: 2022-08-01

1.4. Signature

An Hui

(Prepared this test report)

Zhang Ying

(Reviewed this test report)

Zhang Xia

Deputy Director of the laboratory

(Approved this test report)

2. Client Information

2.1. Applicant 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
City:	Hong Kong
Postal Code:	/
Country:	China
Telephone:	0086-755-36645759
Fax:	0086-755-36612000-81722

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
City:	Hong Kong
Postal Code:	/
Country:	China
Telephone:	0086-755-36645759
Fax:	0086-755-36612000-81722

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

3.1. About EUT

Description	GSM/UMTS/LTE Mobile phone
Model Name	5131E
FCC ID	2ACCJH161

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
EUT1	016304000220473	05	v9Q51

*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	Note
AE1	Adapter	CBA0058AGTC5
AE2	USB Cable	CDA3122005C8
AE3	Headset	Not in sale box

AE1

Model	CBA0058AGTC5
Manufacturer	/
Length	/

AE2

Model	CDA3122005C8
Manufacturer	PUAN
Length	/

AE3

Model	Headset
Manufacturer	/
Note	Not in sale box

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

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT1+AE1+AE2	Charger+ Real Camera+ GSM850 idle
Set.2	EUT1+AE1+AE2	Charger+MP4
Set.3	EUT1+AE1+AE2+ AE3	Charger+FM
Set.4	EUT1+AE2	USB SD TO PC+ Front Camera

Note：The device contains receivers which tune and operate between 30MHz-960MHz in the following bands: GSM 850MHz,WCDMA Band5, LTE Bands 5/12/13/17/71 The measurement results showed here are worst cases of different bands.

3.5. General Description

Equipment Under Test (EUT) is a model of GSM/UMTS/LTE Mobile phone with integrated antenna.

It supports

GSM Frequency Band	GSM 900/GSM 1800/GSM 1900/GSM 850
UMTS Frequency Band	FDD Band I/ II / IV / V / VIII
LTE Frequency Band	LTE FDD Bands 2/4/5/7/12/13/17/66/71

It has MP3, Camera, USB memory, FM, Bluetooth 5.0, Wi-Fi (802.11b/g/n, 802.11n supports 20MHz and 40MHz bandwidth,) , GNSS functions.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

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	2019
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 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

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
	BR	Re-use test data from basic model report.

Items	Test Name	Clause in FCC rules	Section in this report	Verdict	Test Location
1	Radiated Emission	15.109(a)	A.1	P	CTTL(huayuan North Road)
2	Conducted Emission	15.107(a)	A.2	P	CTTL(huayuan North Road)

7. Test Equipments Utilized

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	LISN	ENV216	101200	Rohde & Schwarz	1 year	2023-05-30
2	Test Receiver	ESCI 3	100344	Rohde & Schwarz	1 year	2023-02-21
3	Signal Source	SMBV100A	260613	Rohde & Schwarz	1 year	2023-01-09
4	Dual-Ridge Waveguide Horn Antenna	VULB9163	302	Schwarzbeck	1 year	2022-12-28
5	EMI Antenna	3115	6914	ETS-Lindgren		2023-01-20
6	Spectrum Analyzer	ESW44	103023	Rohde & Schwarz	1 year	2022-10-28
7	Spectrum Analyzer	ESW44	103015	Rohde & Schwarz	1 year	2023-01-23
8	Universal Radio Communication Tester	CMW500	150344	Rohde & Schwarz	1 year	2022-12-20

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 (charging mode) at distances of 3 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 charging mode. During the test MS is connected to a charger in the case of charging mode.

The EUT was tested while operating in licensed band Rx mode. 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.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

A.1.3 Measurement Limit

Frequency range (MHz)	Field strength limit (μV/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.

Limit(10m)=Limit(3m)+20[log(3/10)]

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:

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

Where

G_A: Antenna factor of receive antenna

G_{PL}: Path Loss

P_{Mea}: Measurement result on receiver.

Measurement uncertainty (worst case): 30MHz-1GHz：5.16dB, 1GHz-18GHz：5.44dB, *k*=2.

Note：The measurement results showed here are worst cases of the combinations of different Battery, cables and Headset.

Note:The measurement results showed here are worst cases.

Measurement results for Set.1:

EUT1 Charger+ Real Camera+ GSM850 idle Mode/QP detector

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
37.760000	9.87	29.54	19.67	2000.0	120.000	108.0	V	-45.0
54.541000	15.99	29.54	13.55	2000.0	120.000	125.0	V	163.0
69.188000	10.04	29.54	19.50	2000.0	120.000	283.0	V	292.0
97.415000	8.76	33.06	24.30	2000.0	120.000	275.0	H	-31.0
111.480000	9.94	33.06	23.12	2000.0	120.000	225.0	V	-31.0
192.475000	15.46	33.06	17.60	2000.0	120.000	125.0	V	73.0

EUT1 Charger+ Real Camera+ GSM850 idle 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)
17912.620	45.7	-29.3	46.0	29.1	54.0	8.3	H
17787.500	45.0	-29.9	46.0	28.9	54.0	9.0	V
17766.760	44.9	-29.6	46.0	28.6	54.0	9.1	H
17810.960	44.9	-29.6	46.0	28.6	54.0	9.1	H
17951.720	44.9	-28.9	46.7	27.2	54.0	9.1	V
17927.240	44.9	-29.4	46.7	27.6	54.0	9.1	V

EUT1 Charger+ Real Camera+ GSM850 idle 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)
17806.200	56.2	-29.6	46.0	39.9	74.0	17.8	V
17787.500	55.6	-29.9	46.0	39.5	74.0	18.4	V
17802.120	55.4	-29.6	46.0	39.1	74.0	18.6	V
17901.060	55.4	-29.3	46.0	38.8	74.0	18.6	V
17768.120	55.3	-29.6	46.0	39.0	74.0	18.7	H
17809.260	55.3	-29.6	46.0	39.0	74.0	18.7	H

Measurement results for Set.2:

EUT1 Charger+MP4 Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
42.513000	11.35	29.54	18.19	2000.0	120.000	100.0	V	-31.0
55.220000	15.31	29.54	14.23	2000.0	120.000	108.0	V	-44.0
66.763000	10.79	29.54	18.75	2000.0	120.000	222.0	V	-45.0
103.235000	10.71	33.06	22.35	2000.0	120.000	175.0	V	175.0
175.694000	13.53	33.06	19.53	2000.0	120.000	108.0	V	72.0
191.408000	15.21	33.06	17.85	2000.0	120.000	108.0	V	268.0

EUT1 Charger+MP4 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)
17919.760	45.5	-29.3	46.7	28.2	54.0	8.5	V
17818.440	45.3	-29.6	46.0	29.0	54.0	8.7	H
17913.640	45.3	-29.3	46.0	28.7	54.0	8.7	H
17939.480	45.3	-29.4	46.7	28.0	54.0	8.7	H
17826.600	45.2	-29.7	46.0	28.9	54.0	8.8	V
17890.860	45.1	-29.5	46.0	28.7	54.0	8.9	V

EUT1 Charger+MP4 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)
17700.1	55.9	-29.7	45.2	40.4	74.0	18.1	V
17859.9	55.6	-29.3	46.0	39.0	74.0	18.4	V
17817.1	55.3	-29.6	46.0	39.0	74.0	18.7	V
17727.3	55.2	-29.7	45.2	39.6	74.0	18.8	H
17862.0	55.1	-29.4	46.0	38.5	74.0	18.9	H
17816.7	55.1	-29.6	46.0	38.8	74.0	18.9	H

Measurement results for Set.3:

EUT1 Charger+FM Mode/QP detector

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
42.222000	15.20	29.54	14.34	2000.0	120.000	175.0	V	86.0
48.721000	17.96	29.54	11.58	2000.0	120.000	325.0	V	135.0
80.634000	6.06	29.54	23.48	2000.0	120.000	108.0	V	45.0
104.787000	12.95	33.06	20.11	2000.0	120.000	100.0	V	315.0
150.474000	9.61	33.06	23.45	2000.0	120.000	302.0	H	278.0
187.431000	18.48	33.06	14.58	2000.0	120.000	100.0	V	162.0

EUT1 Charger+FM 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)
17810.960	45.5	-29.6	46.0	29.2	54.0	8.5	V
17804.160	45.3	-29.6	46.0	29.0	54.0	8.7	H
17905.140	45.3	-29.3	46.0	28.7	54.0	8.7	H
17797.700	45.2	-29.9	46.0	29.1	54.0	8.8	H
17830.000	45.2	-29.7	46.0	28.9	54.0	8.8	V
17921.120	45.1	-29.4	46.7	27.8	54.0	8.9	H

EUT1 Charger+FM 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)
17801.100	55.6	-29.6	46.0	39.3	74.0	18.4	V
17809.600	55.3	-29.6	46.0	39.0	74.0	18.7	V
17999.320	55.1	-29.1	46.7	37.5	74.0	18.9	V
17929.960	55.0	-29.4	46.7	37.7	74.0	19	H
17801.780	54.8	-29.6	46.0	38.5	74.0	19.2	V
17722.900	54.8	-29.7	45.2	39.2	74.0	19.2	V

Measurement results for Set.4:

EUT1 USB SD TO PC+ Front Camera Mode/QP detector

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
82.283000	17.32	29.54	12.22	2000.0	120.000	125.0	V	135.0
136.700000	21.78	33.06	11.28	2000.0	120.000	323.0	H	45.0
215.949000	18.37	33.06	14.69	2000.0	120.000	125.0	V	154.0
263.964000	18.47	35.56	17.09	2000.0	120.000	325.0	H	189.0
403.159000	23.72	35.56	11.84	2000.0	120.000	223.0	H	188.0
493.951000	22.23	35.56	13.33	2000.0	120.000	283.0	V	9.0

EUT1 USB SD TO PC+ Front Camera 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)
17717.120	45.6	-29.7	45.2	30.1	54.0	8.4	V
17910.240	45.6	-29.3	46.0	29.0	54.0	8.4	V
17808.920	45.6	-29.6	46.0	29.3	54.0	8.4	H
17828.300	45.6	-29.7	46.0	29.3	54.0	8.4	H
17911.260	45.5	-29.3	46.0	28.9	54.0	8.5	V
17910.920	45.5	-29.3	46.0	28.9	54.0	8.5	H

EUT1 USB SD TO PC+ Front Camera 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)
17912.620	55.9	-29.3	46.0	39.3	74.0	18.1	H
17899.700	55.8	-29.5	46.0	39.4	74.0	18.2	V
17900.380	55.3	-29.3	46.0	38.7	74.0	18.7	H
17887.460	55.1	-29.5	46.0	38.7	74.0	18.9	H
17871.140	55.1	-29.4	46.0	38.5	74.0	18.9	V
17773.220	55.1	-29.6	46.0	38.8	74.0	18.9	H

EUT1 Charger+ Real Camera+ GSM850 idle Mode, Set.1

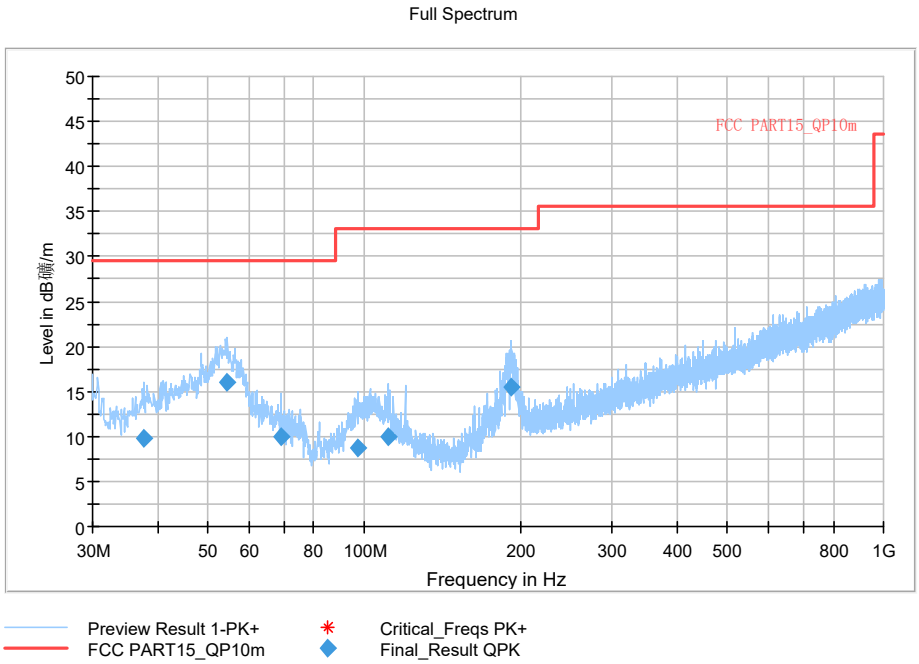

Figure A.1 Radiated Emission from 30MHz to 1GHz

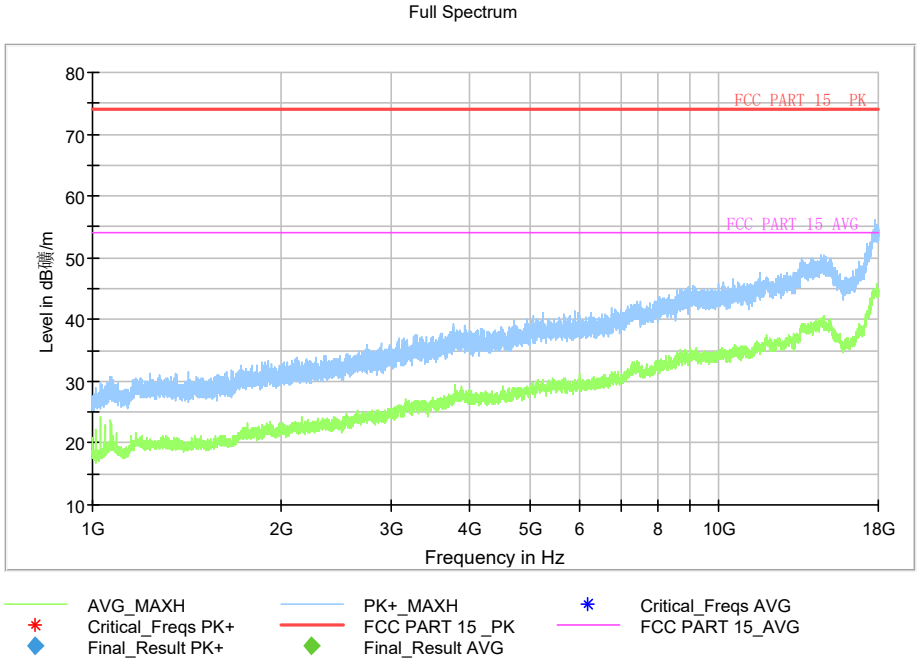

Figure A.2 Radiated Emission from 1GHz to 18GHz

EUT1 Charger+MP4 Mode, Set.2

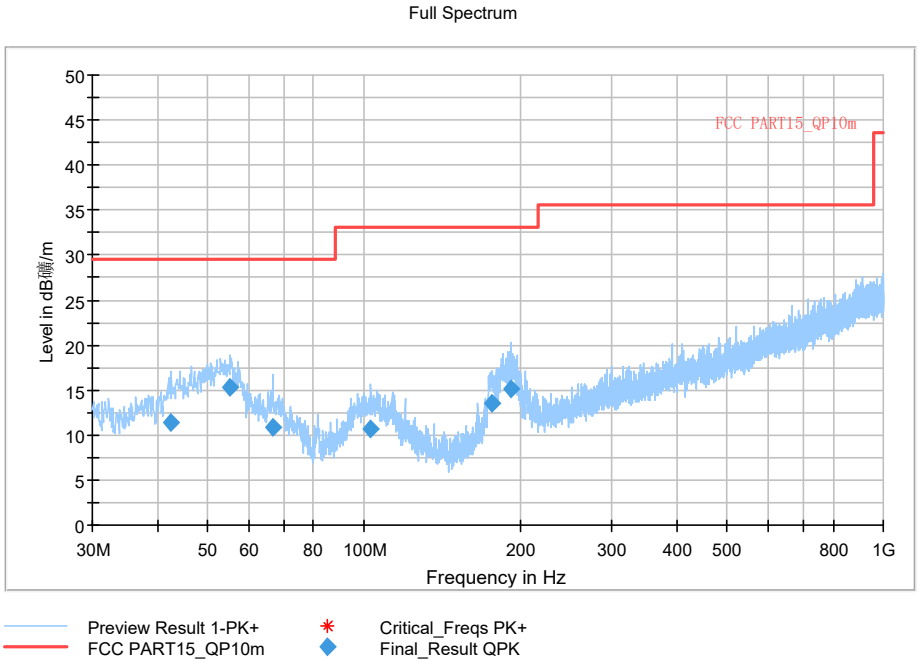

Figure A.3 Radiated Emission from 30MHz to 1GHz

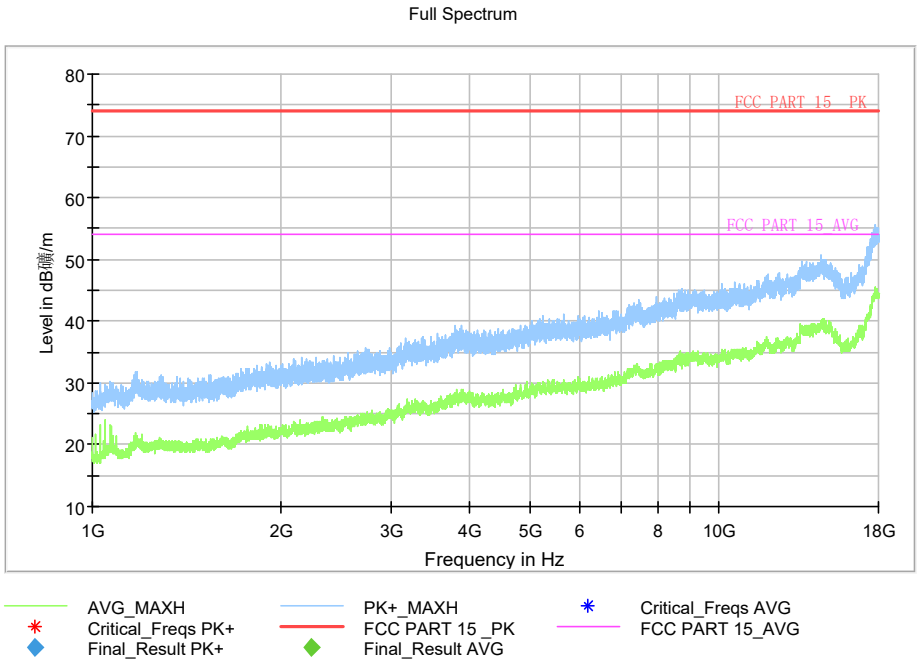

Figure A.4 Radiated Emission from 1GHz to 18GHz

EUT1 Charger+FM Mode, Set.3

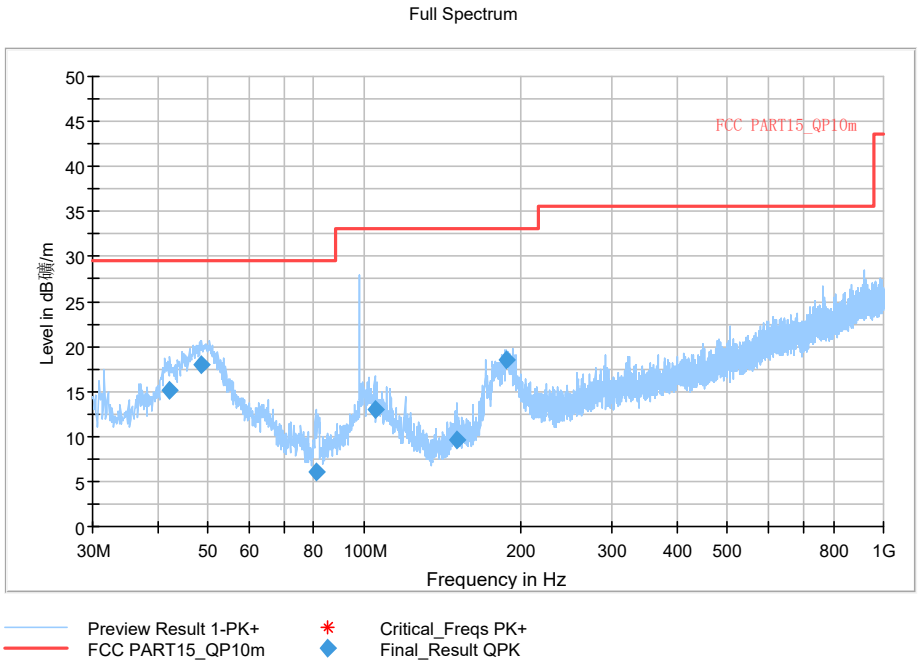

Figure A.5Radiated Emission from 30MHz to 1GHz

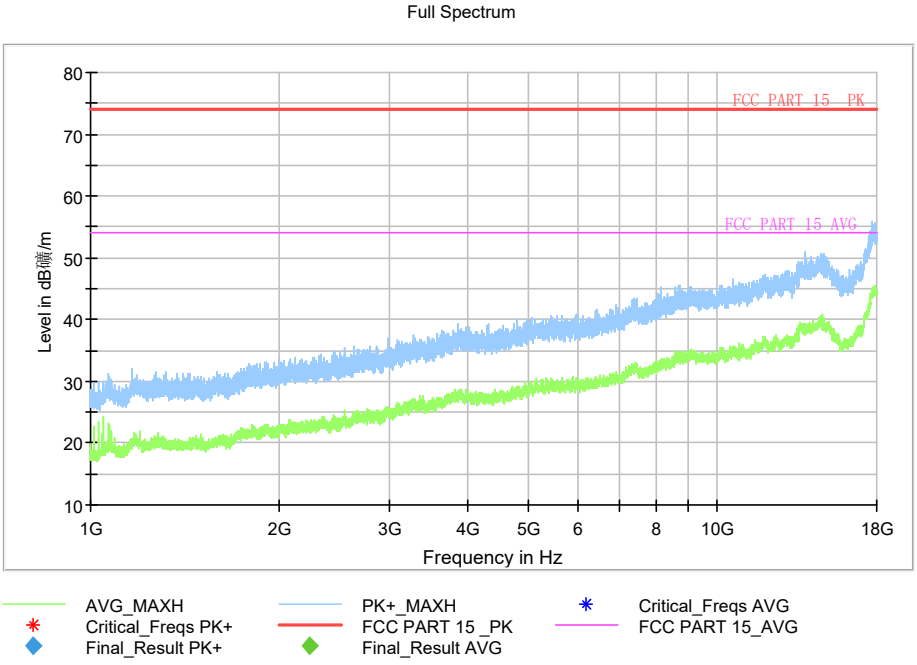

Figure A.6 Radiated Emission from 1GHz to 18GHz

EUT1 USB SD TO PC+ Front Camera Mode, Set.4

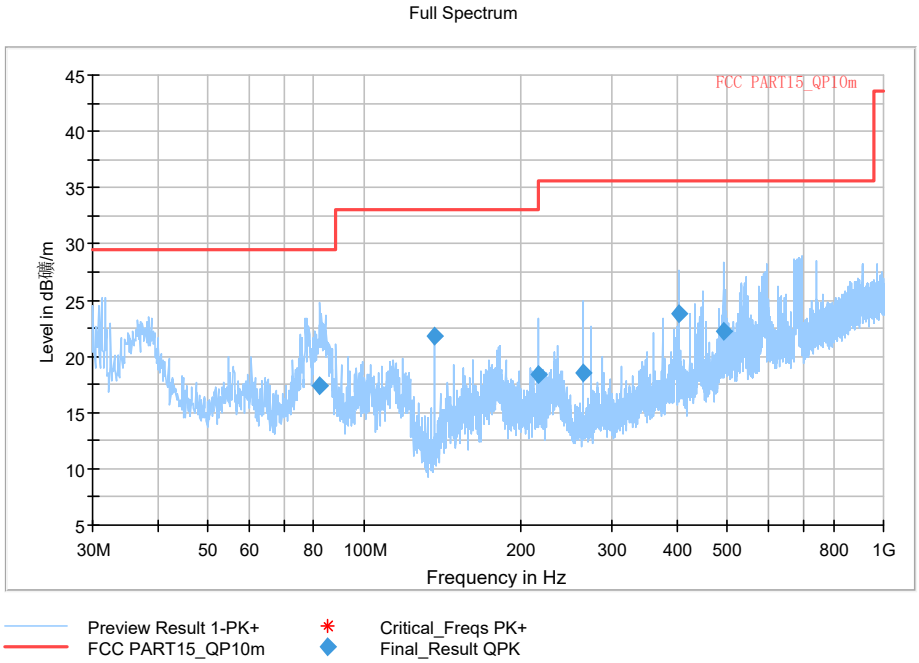

Figure A.7 Radiated Emission from 30MHz to 1GHz

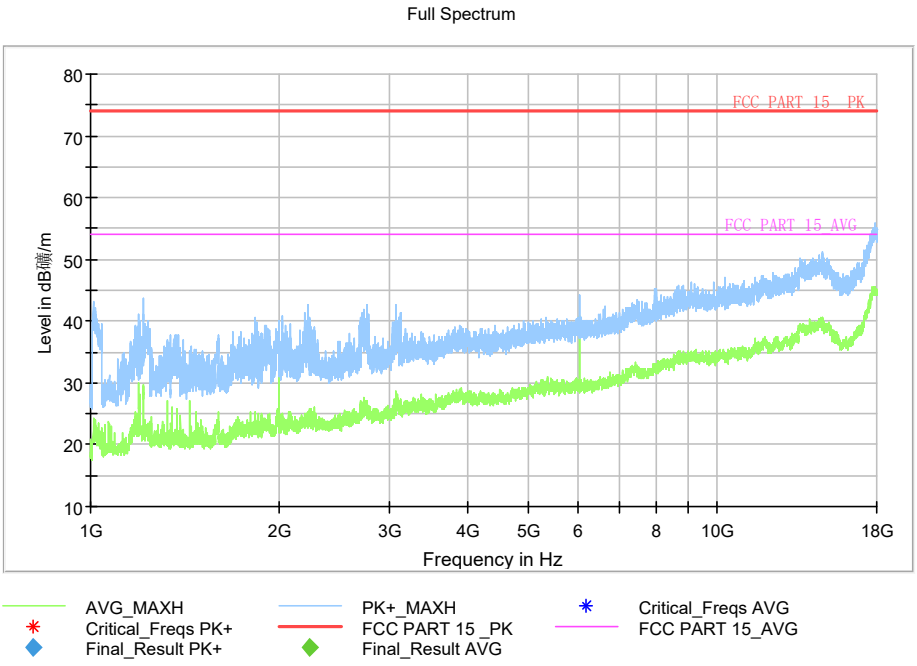

Figure A.8 Radiated Emission from 1GHz to 18GHz

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 charging mode and usb mode.

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*=3.08dB, *k*=2.

Note：The measurement results showed here are worst cases of the combinations of different Battery, cables and Headset.

Note:The measurement results showed here are worst cases.

EUT1 Charger+ Real Camera+ GSM850 Mode, Set.1

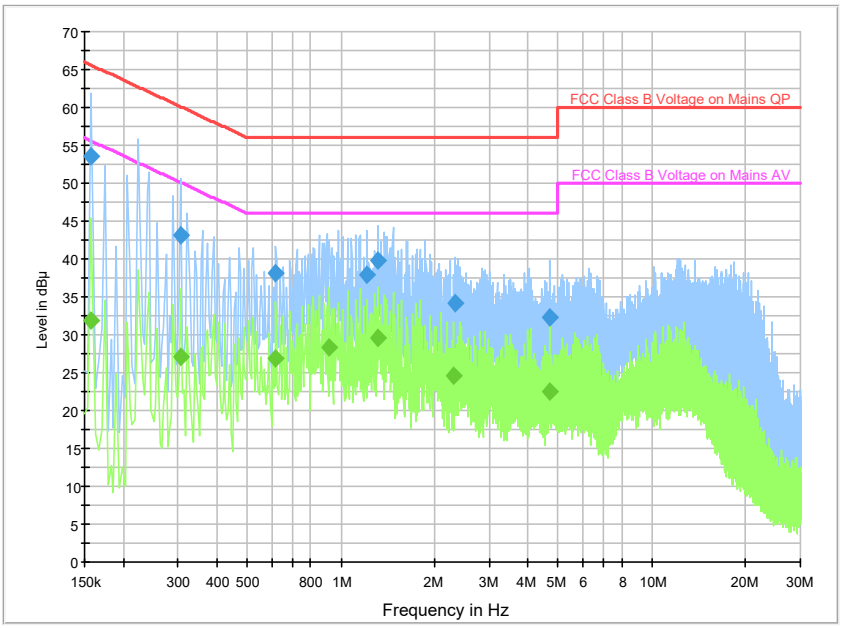

Figure A.9 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	53.5	5000.0	9.000	On	N	19.6	12.1	65.6
0.306000	43.1	5000.0	9.000	On	N	19.8	17.0	60.1
0.618000	38.1	5000.0	9.000	On	L1	19.6	17.9	56.0
1.214000	38.0	5000.0	9.000	On	L1	19.7	18.0	56.0
1.314000	39.8	5000.0	9.000	On	L1	19.7	16.2	56.0
2.338000	34.2	5000.0	9.000	On	L1	19.6	21.8	56.0
4.682000	32.4	5000.0	9.000	On	L1	19.6	23.6	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	31.8	5000.0	9.000	On	L1	19.8	23.7	55.6
0.306000	27.0	5000.0	9.000	On	L1	19.8	23.1	50.1
0.618000	26.9	5000.0	9.000	On	L1	19.6	19.1	46.0
0.918000	28.3	5000.0	9.000	On	L1	19.7	17.7	46.0
1.314000	29.7	5000.0	9.000	On	L1	19.7	16.3	46.0
2.310000	24.5	5000.0	9.000	On	L1	19.6	21.5	46.0
4.682000	22.4	5000.0	9.000	On	L1	19.6	23.6	46.0

EUT1 Charger+MP4 Mode, Set.2

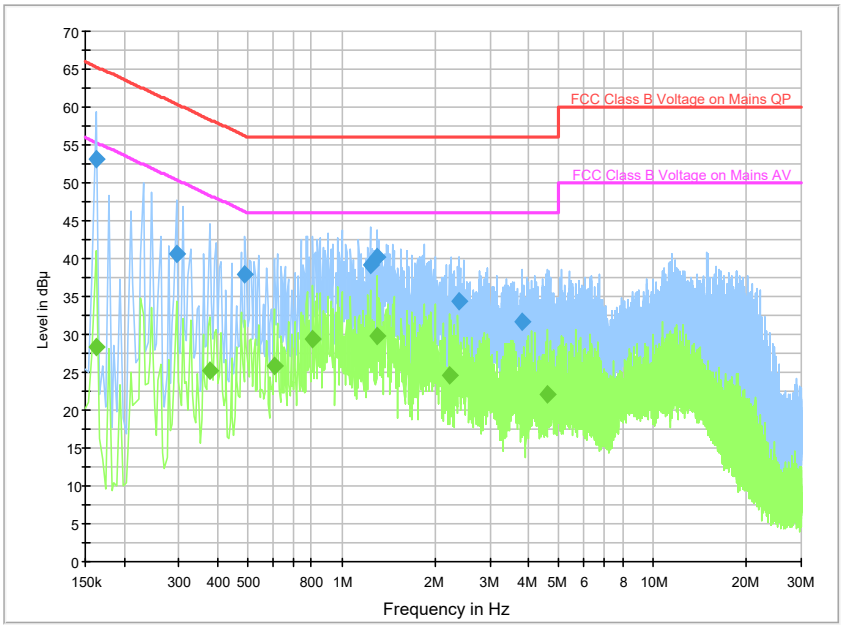

Figure A.10 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.162000	53.2	5000.0	9.000	On	N	19.5	12.2	65.4
0.294000	40.6	5000.0	9.000	On	L1	19.8	19.8	60.4
0.490000	38.0	5000.0	9.000	On	L1	19.8	18.2	56.2
1.234000	39.2	5000.0	9.000	On	L1	19.7	16.8	56.0
1.302000	40.3	5000.0	9.000	On	L1	19.7	15.7	56.0
2.386000	34.3	5000.0	9.000	On	L1	19.6	21.7	56.0
3.818000	31.6	5000.0	9.000	On	L1	19.6	24.4	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.162000	28.4	5000.0	9.000	On	L1	19.8	27.0	55.4
0.378000	25.3	5000.0	9.000	On	N	19.8	23.1	48.3
0.606000	25.9	5000.0	9.000	On	L1	19.6	20.1	46.0
0.806000	29.3	5000.0	9.000	On	L1	19.7	16.7	46.0
1.302000	29.8	5000.0	9.000	On	L1	19.7	16.2	46.0
2.210000	24.5	5000.0	9.000	On	L1	19.6	21.5	46.0
4.578000	22.0	5000.0	9.000	On	L1	19.5	24.0	46.0

EUT1 Charger+FM Mode, Set.3

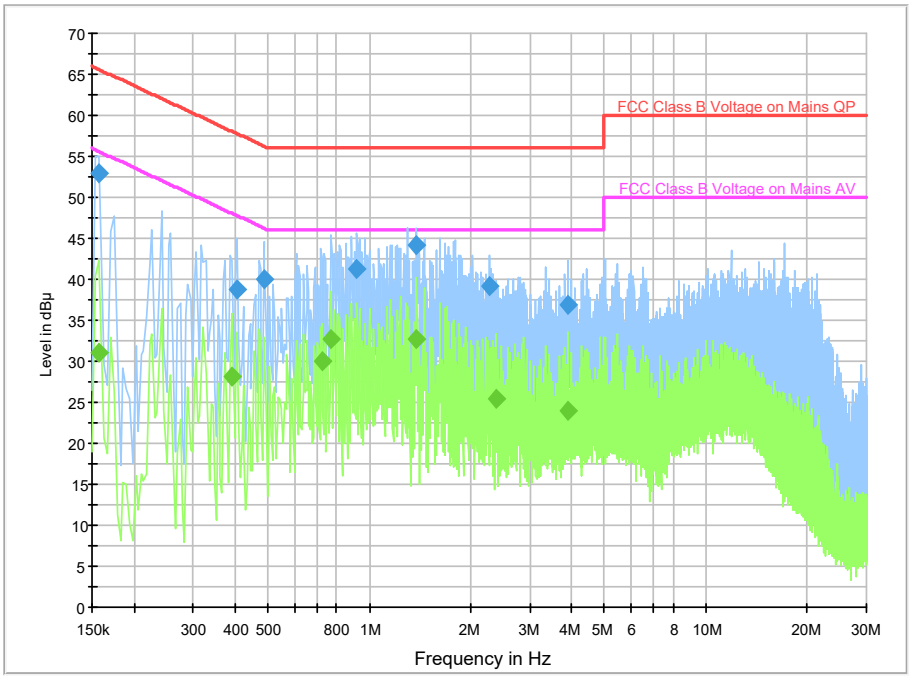

Figure A.11 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	53.0	5000.0	9.000	On	L1	19.8	12.6	65.6
0.406000	38.8	5000.0	9.000	On	L1	19.7	19.0	57.7
0.486000	40.1	5000.0	9.000	On	L1	19.8	16.2	56.2
0.918000	41.2	5000.0	9.000	On	L1	19.7	14.8	56.0
1.382000	44.2	5000.0	9.000	On	L1	19.7	11.8	56.0
2.282000	39.3	5000.0	9.000	On	L1	19.6	16.7	56.0
3.910000	36.8	5000.0	9.000	On	L1	19.6	19.2	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	31.0	5000.0	9.000	On	L1	19.8	24.5	55.6
0.390000	28.2	5000.0	9.000	On	L1	19.8	19.8	48.1
0.722000	29.9	5000.0	9.000	On	L1	19.6	16.1	46.0
0.770000	32.7	5000.0	9.000	On	L1	19.7	13.3	46.0
1.382000	32.7	5000.0	9.000	On	L1	19.7	13.3	46.0
2.386000	25.4	5000.0	9.000	On	L1	19.6	20.6	46.0
3.910000	24.0	5000.0	9.000	On	L1	19.6	22.0	46.0

EUT1 USB SD TO PC+ Front Camera Mode, Set.4

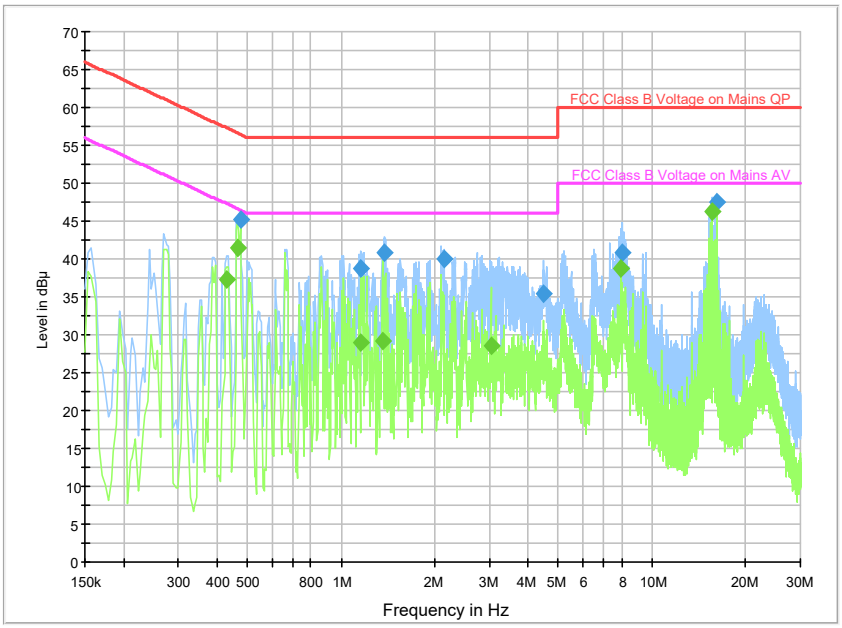

Figure A.12 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.474000	45.3	5000.0	9.000	On	L1	19.8	11.2	56.4
1.162000	38.7	5000.0	9.000	On	L1	19.8	17.3	56.0
1.382000	40.9	5000.0	9.000	On	L1	19.7	15.1	56.0
2.134000	39.9	5000.0	9.000	On	N	19.7	16.1	56.0
4.466000	35.3	5000.0	9.000	On	N	19.5	20.7	56.0
7.982000	40.9	5000.0	9.000	On	L1	19.7	19.1	60.0
16.166000	47.4	5000.0	9.000	On	L1	19.7	12.6	60.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.430000	37.3	5000.0	9.000	On	L1	19.8	10.0	47.3
0.466000	41.4	5000.0	9.000	On	L1	19.8	5.2	46.6
1.162000	29.0	5000.0	9.000	On	L1	19.8	17.0	46.0
1.354000	29.2	5000.0	9.000	On	N	19.6	16.8	46.0
3.030000	28.5	5000.0	9.000	On	N	19.6	17.5	46.0
7.922000	38.7	5000.0	9.000	On	L1	19.8	11.3	50.0
15.618000	46.3	5000.0	9.000	On	N	19.7	3.7	50.0

ANNEX B: Persons involved in this testing

Test Item	Tester
Conducted Continuous Emission	Zhang Tianli
Radiated Continuous Emission	Yan Hanchen

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