



FCC 15B TEST REPORT

No. I20Z61448-EMC01

for

TCL Communication Ltd.

LTE/UMTS/GSM Mobile Phone

Model Name: 3082X

FCC ID: 2ACCJB139

with

Hardware Version: PIO

Software Version: V1.0

Issued Date: 2020-09-04

Note:

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Test Laboratory:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I20Z61448-EMC01	Rev.0	1 st edition	2020-09-04

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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℃

Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2020-08-21

Testing End Date: 2020-09-04

1.4. Signature



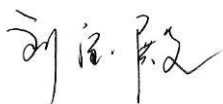
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2. Client Information

2.1. Applicant Information

Company Name: TCL Communication Ltd.
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Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
Telephone: 0086-755-36611722

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: 0086-755-36611722

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

3.1. About EUT

Description	LTE/UMTS/GSM Mobile Phone
Model Name	3082X
FCC ID	2ACCJB139

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	352836770001213	PIO	V1.0

*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	Note
AE1	Charger	/	PA-5V550mA-006
AE2	Charger	/	PA-5V550mA-015
AE3	Charger	/	CY050055EU-L
AE4	Charger	/	CY050055UK-L
AE5	Charging Dock	/	HP7901-000180-000
AE6	Headset	/	CCB0046A10C1
AE7	Headset	/	CCB0046A10C4
AE8	Battery	/	/
AE9	Battery	/	/
AE10	USB Cable	/	/

AE1

Model	PA-5V550mA-006
Manufacturer	PUAN
Length of cable	/

AE2

Model	PA-5V550mA-015
Manufacturer	PUAN
Length of cable	/

AE3

Model	CY050055EU-L
Manufacturer	CHENYANG
Length of cable	/

AE4

Model	CY050055UK-L
Manufacturer	CHENYANG
Length of cable	/

AE5

Model	HP7901-000180-000
Manufacturer	Dongchen
Length of cable	/

AE6

Model	CCB0046A10C1
Manufacturer	JUWEI
Length of cable	/

AE7

Model	CCB0046A10C4
Manufacturer	MEIHAO
Length of cable	/

AE8

Model	TLi013CA
Manufacturer	TIANMAO
Capacitance	1350mAh
Nominal voltage	3.7V

AE9

Model	TLi013C1
Manufacturer	BYD
Capacitance	1350mAh
Nominal voltage	3.7V

AE10

Model	/
Manufacturer	/
Length of cable	/

*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 + AE8/AE9 + AE6	Charger + Headset 1
Set.2	EUT1 + AE3 + AE8/AE9 + AE7	Charger + Headset 2
Set.3	EUT1 + AE2 + AE8/AE9 + AE5	Charging Dock
Set.5	EUT1 + AE4 + AE8/AE9	Charger + Camera
Set.4	EUT1 + AE8/AE9 + AE10	USB

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	10-1-16 Edition
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, 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 M
Ground system resistance	< 4

6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	NA	Not applicable
	F	Fail
Location Column	1/2/4	The test is performed in test location 1/2/4 which is described in section 1.1 of this report

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

7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	LISN	ENV216	101200	Rohde & Schwarz	1 year	2021-05-17
2	Test Receiver	ESCI 7	100344	Rohde & Schwarz	1 Year	2021-02-26
3	Test Receiver	ESU26	100235	Rohde & Schwarz	1 Year	2021-03-03
4	BiLog Antenna	VULB9163	1223	Schwarzbeck	1 Year	2021-03-18
5	Dual-Ridge Waveguide Horn Antenna	3115	6914	ETS-Lindgren	1 Year	2021-01-14
6	PC	M4000e-17	M706GWXD	Lenovo	N/A	N/A
7	Printer	P1606dn	VNC3L52122	HP	N/A	N/A

Note: The EMI Antenna with series number 167250 was used before Cal. Due Date.

Test Item	Test Software and Version	Software Vendor
Radiated Continuous Emission	EMC32 V9.01.0	R&S
Conducted Emission	EMC32 V8.52.0	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 (charging mode and FM 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 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 2.2, 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 ($\mu\text{V/m}$)		
	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:

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

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, $k=2$.

Measurement results for Set.1:

Charger QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
42.046000	11.61	30.00	18.39	125.0	V	-16.0
50.684000	13.41	30.00	16.59	95.0	V	61.0
65.645000	8.63	30.00	21.37	96.0	V	12.0
100.690000	8.87	33.50	24.65	125.0	V	-2.0
146.354000	5.71	33.50	27.81	219.0	V	-30.0
284.690000	10.71	36.00	25.31	225.0	V	10.0

Charger /Average detector

Frequency (MHz)	Result (dB μ V/m)	G_{PL} (dB)	G_A (dB/m)	P_{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17983.567	49.0	-17.7	45.6	21.100	H	54.0	5.0
17969.400	49.0	-17.7	45.6	21.100	H	54.0	5.0
17999.433	48.5	-17.7	45.6	20.600	V	54.0	5.5
17962.600	48.5	-17.7	45.6	20.600	H	54.0	5.5
17982.433	48.4	-17.7	45.6	20.500	H	54.0	5.6
17972.800	48.4	-17.7	45.6	20.500	H	54.0	5.6

Charger /Peak detector

Frequency (MHz)	Result (dB μ V/m)	G_{PL} (dB)	G_A (dB/m)	P_{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17973.933	57.7	-17.7	45.6	29.800	H	74	16.3
17957.500	57.3	-17.7	45.6	29.400	H	74	16.7
17974.500	57.1	-17.7	45.6	29.200	V	74	16.9
17928.600	57.0	-17.7	45.6	29.100	H	74	17
17997.733	57.0	-17.7	45.6	29.100	H	74	17
17871.367	56.9	-18.5	45.6	29.800	H	74	17.1

Measurement results for Set.2:
Charger QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
17973.933	57.7	-17.7	45.6	29.800	H	74.0
17957.500	57.3	-17.7	45.6	29.400	H	74.0
17974.500	57.1	-17.7	45.6	29.200	V	74.0
17928.600	57.0	-17.7	45.6	29.100	H	74.0
17997.733	57.0	-17.7	45.6	29.100	H	74.0
17871.367	56.9	-18.5	45.6	29.800	H	74.0

Charger /Average detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17993.200	49.2	-17.7	45.6	21.3	H	54.0	4.8
17958.067	48.6	-17.7	45.6	20.7	H	54.0	5.4
17938.800	48.4	-17.7	45.6	20.5	V	54.0	5.6
17897.433	48.4	-18.5	45.6	21.3	H	54.0	5.6
18000.000	48.3	-45.6	44.5	49.4	H	54.0	5.7
17997.733	48.3	-17.7	45.6	20.4	H	54.0	5.7

Charger /Peak detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17925.767	57.5	-17.7	45.6	29.6	H	74.0	16.5
17996.033	57.2	-17.7	45.6	29.3	H	74.0	16.8
17934.267	57.2	-17.7	45.6	29.3	V	74.0	16.8
17875.333	57.0	-18.5	45.6	29.9	H	74.0	17.0
17780.133	56.8	-18.5	45.6	29.7	H	74.0	17.2
17961.467	56.8	-17.7	45.6	28.9	H	74.0	17.2

Measurement results for Set.3:
Charging Dock /QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
36.998000	15.40	30.00	14.60	203.0	V	30.0
49.631000	11.41	30.00	18.59	175.0	V	30.0
66.592000	12.03	30.00	17.97	175.0	V	-27.0
77.160000	9.85	30.00	20.15	177.0	V	200.0
98.690000	8.51	33.50	25.01	195.0	V	84.0
257.206000	10.52	36.00	25.50	186.0	V	171.0

Charging Dock /Average detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17968.267	48.4	-17.7	45.6	20.5	H	54.0	5.6
17935.967	48.4	-17.7	45.6	20.5	H	54.0	5.6
17996.600	48.3	-17.7	45.6	20.4	V	54.0	5.7
17958.633	48.2	-17.7	45.6	20.3	H	54.0	5.8
17972.233	48.2	-17.7	45.6	20.3	H	54.0	5.8
17963.733	48.2	-17.7	45.6	20.3	H	54.0	5.8

Charging Dock /Peak detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17973.367	57.4	-17.7	45.6	29.5	H	74.0	16.6
17985.267	56.8	-17.7	45.6	28.9	H	74.0	17.2
17974.500	56.8	-17.7	45.6	28.9	V	74.0	17.2
17898.000	56.7	-18.5	45.6	29.6	H	74.0	17.3
17986.400	56.6	-17.7	45.6	28.7	H	74.0	17.4
17997.733	56.6	-17.7	45.6	28.7	H	74.0	17.4

Measurement results for Set.4:
USB /QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
64.005000	12.99	30.00	17.01	225.0	V	210.0
133.513000	12.15	33.50	21.37	102.0	V	-27.0
142.612000	12.23	33.50	21.29	99.0	V	-9.0
283.687000	19.97	36.00	16.05	116.0	V	-19.0
331.924000	23.41	36.00	12.61	95.0	V	-12.0
480.043000	30.15	36.00	5.87	95.0	V	105.0

USB /Average detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17939.933	48.4	-17.7	45.6	20.500	H	54.0	5.6
17981.300	48.3	-17.7	45.6	20.400	H	54.0	5.7
17973.933	48.2	-17.7	45.6	20.300	V	54.0	5.8
17964.300	48.1	-18.5	45.6	21.000	H	54.0	5.9
17881.567	48.1	-17.7	45.6	20.200	H	54.0	5.9
17975.067	48.1	-17.7	45.6	20.200	H	54.0	5.9

USB /Peak detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17994.333	57.7	-17.7	45.6	29.8	H	74.0	16.3
17973.367	57.1	-17.7	45.6	29.2	H	74.0	16.9
17938.800	56.8	-17.7	45.6	28.9	V	74.0	17.2
17813.567	56.8	-18.5	45.6	29.7	H	74.0	17.2
17974.500	56.8	-17.7	45.6	28.9	H	74.0	17.2
17970.533	56.6	-17.7	45.6	28.7	H	74.0	17.4

Measurement results for Set.5:
Charger + CAMERA /QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
37.044000	11.49	30.00	18.51	101.0	V	30.0
50.596000	13.12	30.00	16.88	98.0	V	63.0
65.788000	9.34	30.00	20.66	221.0	V	30.0
90.126000	7.39	33.50	26.13	203.0	V	66.0
145.384000	5.91	33.50	27.61	186.0	V	-13.0
267.576000	10.65	36.00	25.37	225.0	V	30.0

Charger + CAMERA /Average detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17939.933	48.6	-18.5	45.6	21.5	H	54.0	5.4
17981.300	48.6	-17.7	45.6	20.7	H	54.0	5.4
17973.933	48.6	-18.5	45.6	21.5	V	54.0	5.4
17964.300	48.3	-17.7	45.6	20.4	H	54.0	5.7
17881.567	48.2	-17.7	45.6	20.3	H	54.0	5.8
17975.067	48.1	-17.7	45.6	20.2	H	54.0	5.9

Charger + CAMERA /Peak detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17939.933	58.0	-17.7	45.6	30.1	H	74.0	16.0
17981.300	57.0	-17.7	45.6	29.1	H	74.0	17.0
17973.933	56.8	-17.7	45.6	28.9	V	74.0	17.2
17964.300	56.7	-17.7	45.6	28.8	H	74.0	17.3
17881.567	56.6	-17.7	45.6	28.7	H	74.0	17.4
17975.067	56.4	-18.9	45.6	29.7	H	74.0	17.6

Sample calculation: Peak detector, 17975.067MHz

Result = P_{Mea} (29.7dB μ V) + G_A (45.6dB/m) + G_{PL} (-18.9 dB) = 56.4 dB μ V/m

Charger , Set.1

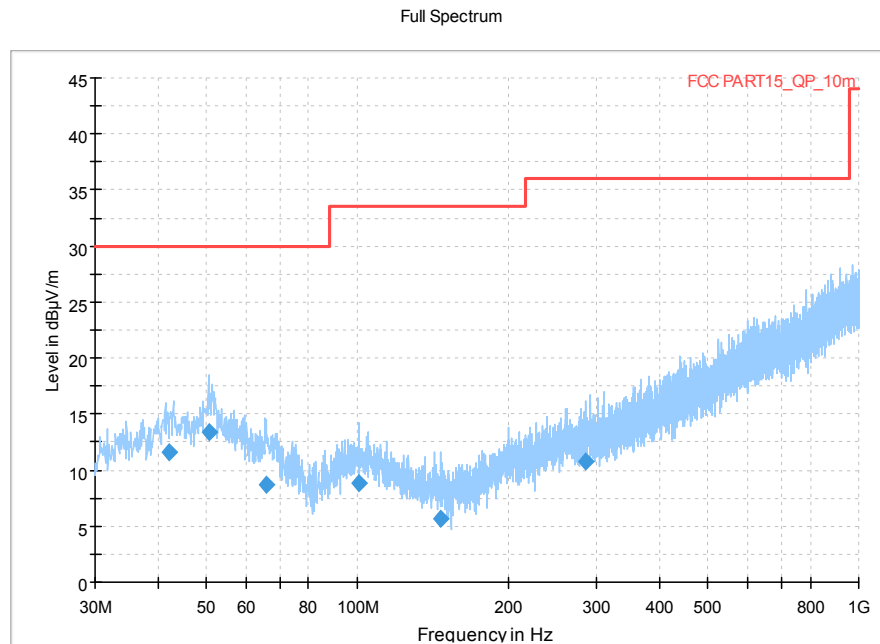


Figure A.1 Radiated Emission from 30MHz to 1GHz

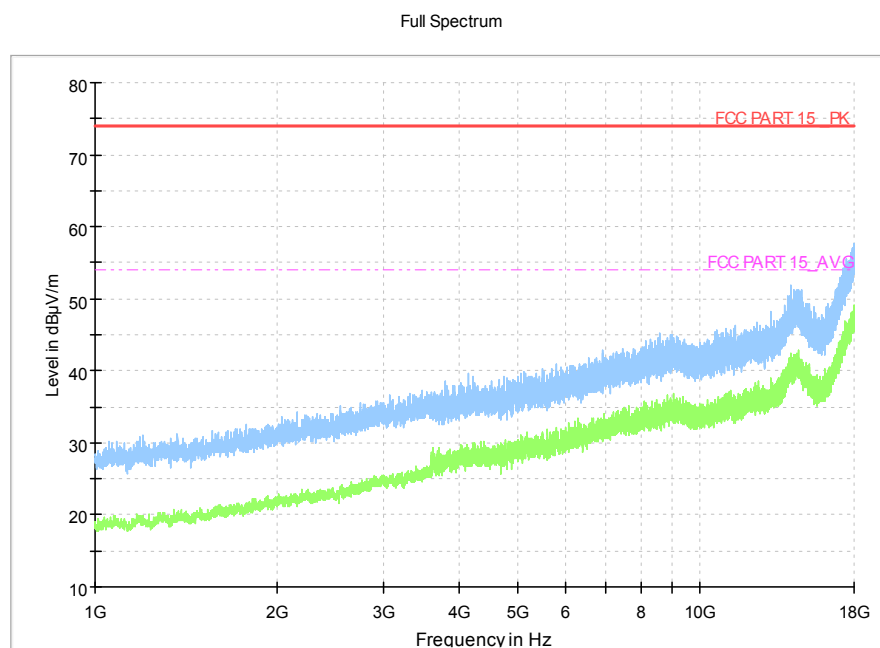


Figure A.2 Radiated Emission from 1GHz to 18GHz

Charger , Set.2

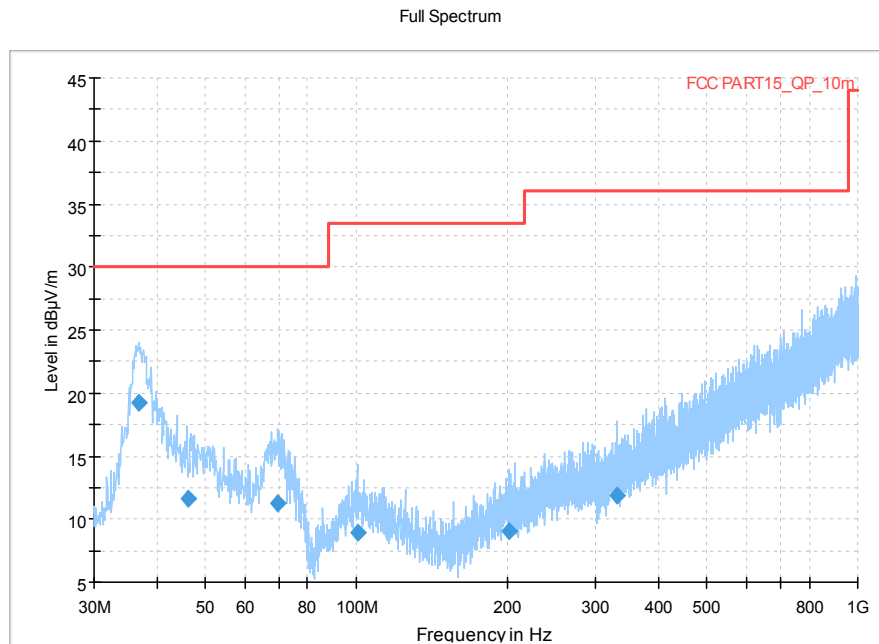


Figure A.3 Radiated Emission from 30MHz to 1GHz

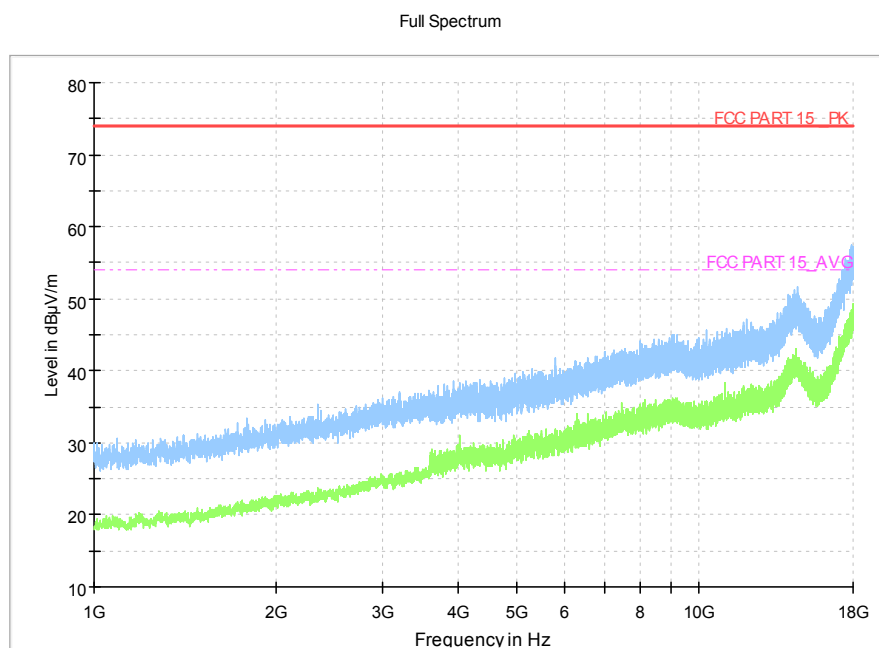


Figure A.4 Radiated Emission from 1GHz to 18GHz

Charging Dock, Set.3

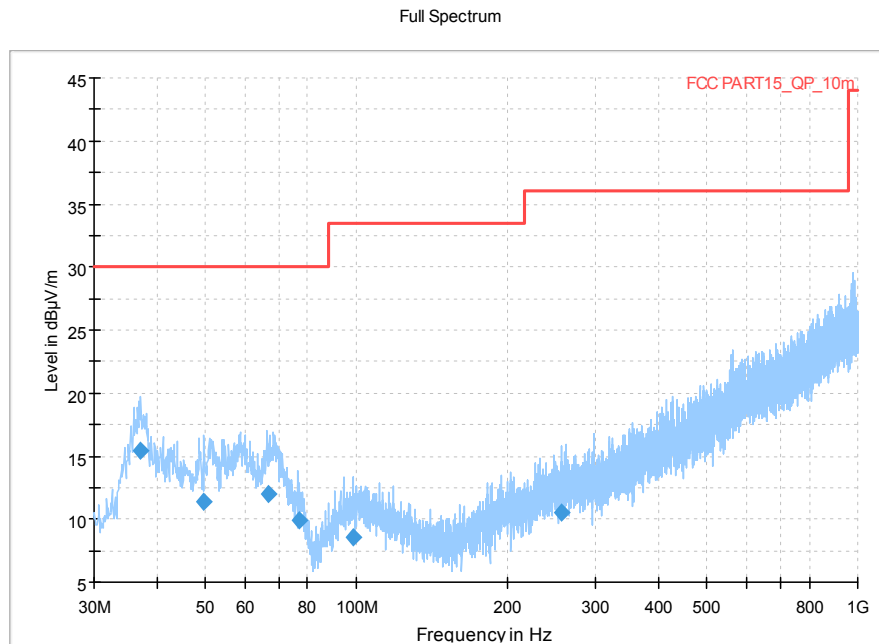


Figure A.5 Radiated Emission from 30MHz to 1GHz

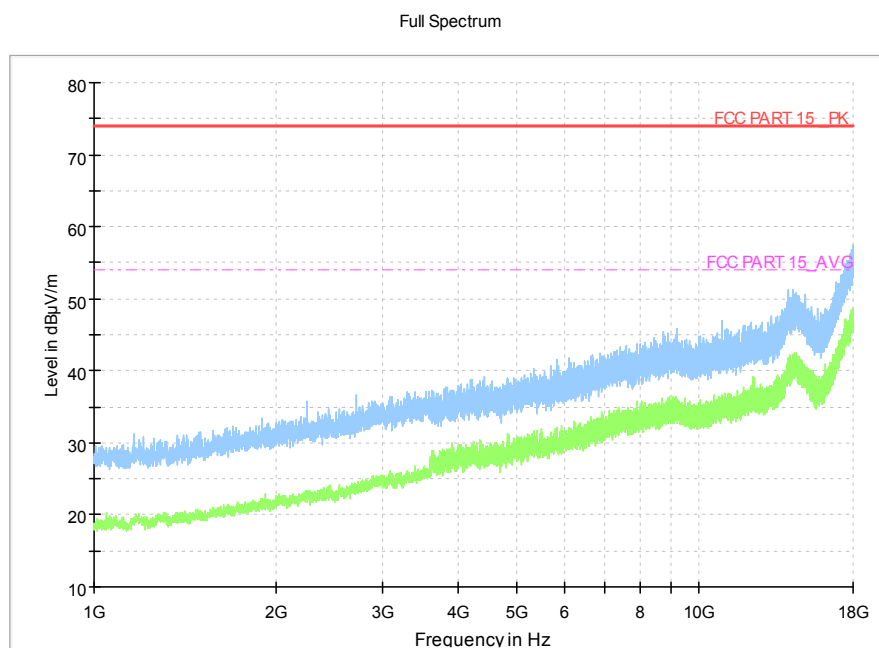


Figure A.6 Radiated Emission from 1GHz to 18GHz

USB, Set.3

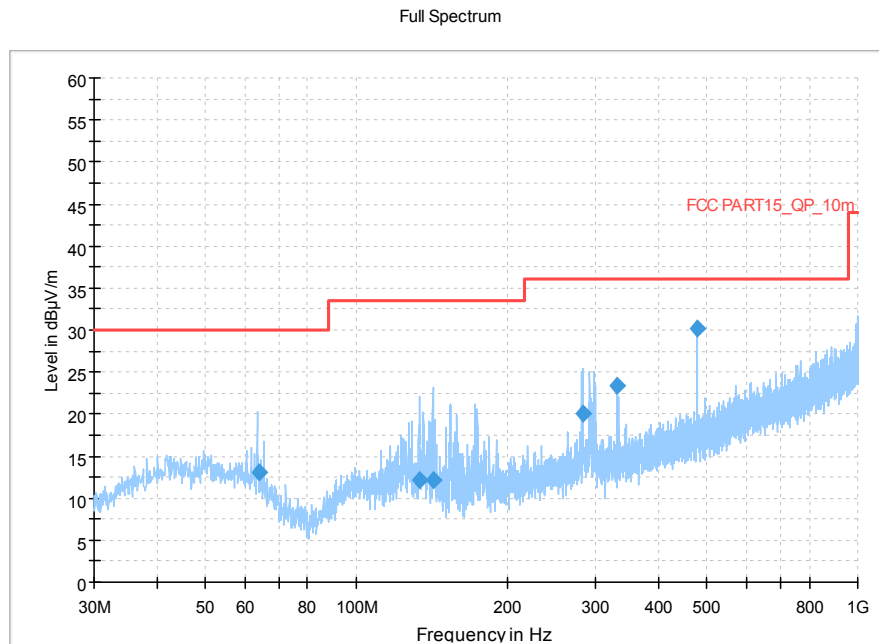


Figure A.7 Radiated Emission from 30MHz to 1GHz

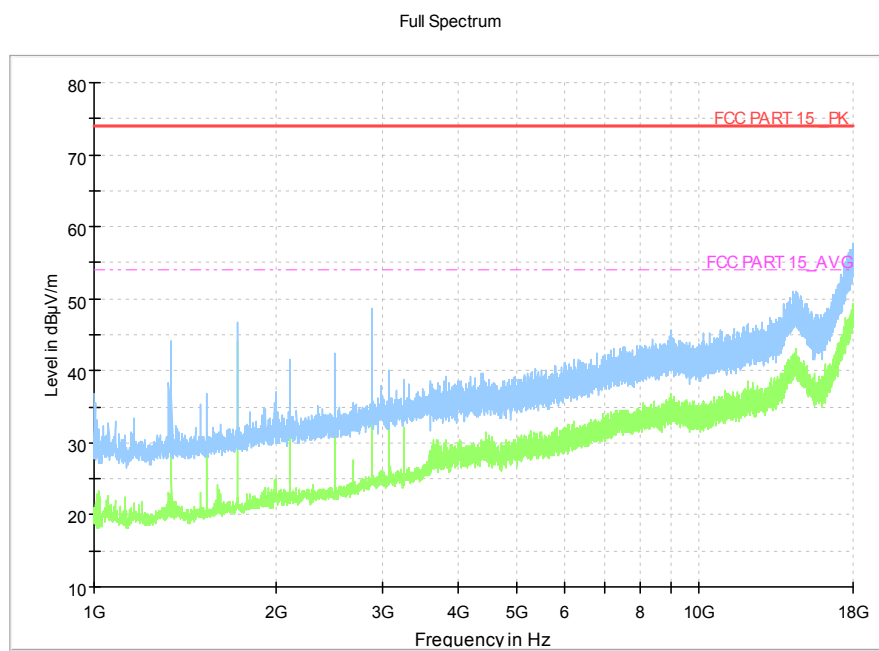


Figure A.8 Radiated Emission from 1GHz to 18GHz

Charger + CAMERA, Set.5

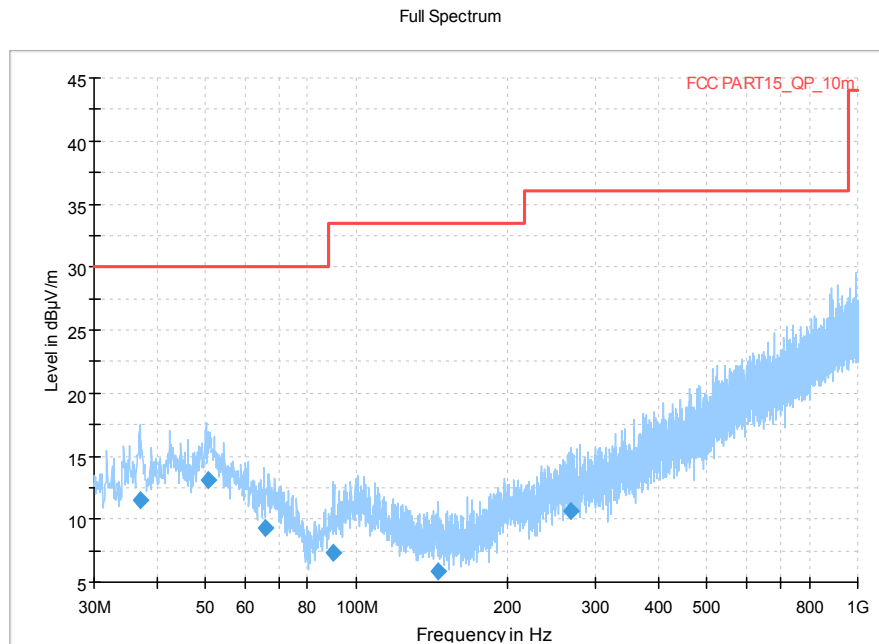


Figure A.9 Radiated Emission from 30MHz to 1GHz

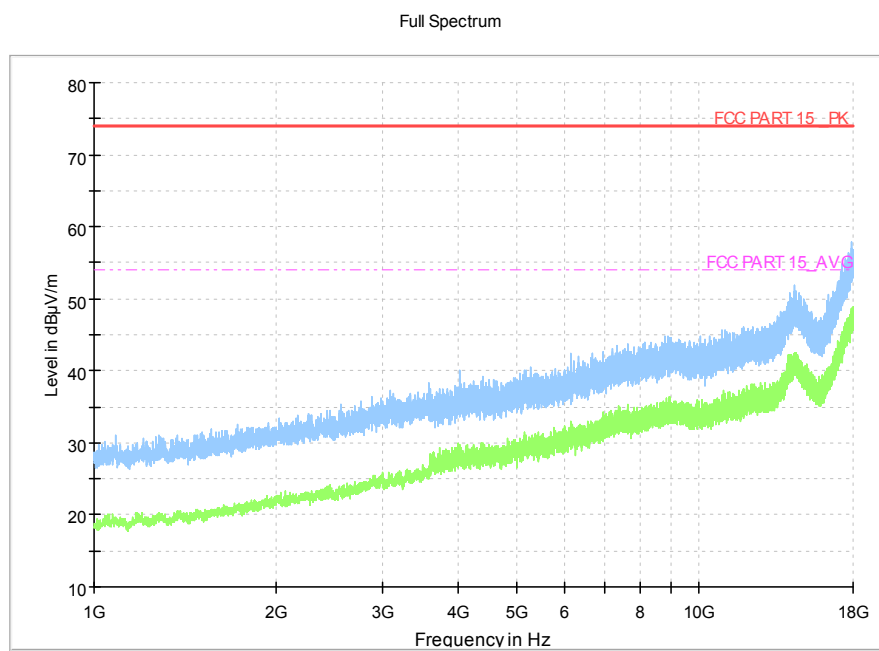


Figure A.10 Radiated Emission from 1GHz to 18GHz

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 charging mode. During the test MS is connected to a charger in the case of charging 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: $U=3.08\text{dB}$, $k=2$.

Charger , Set.1

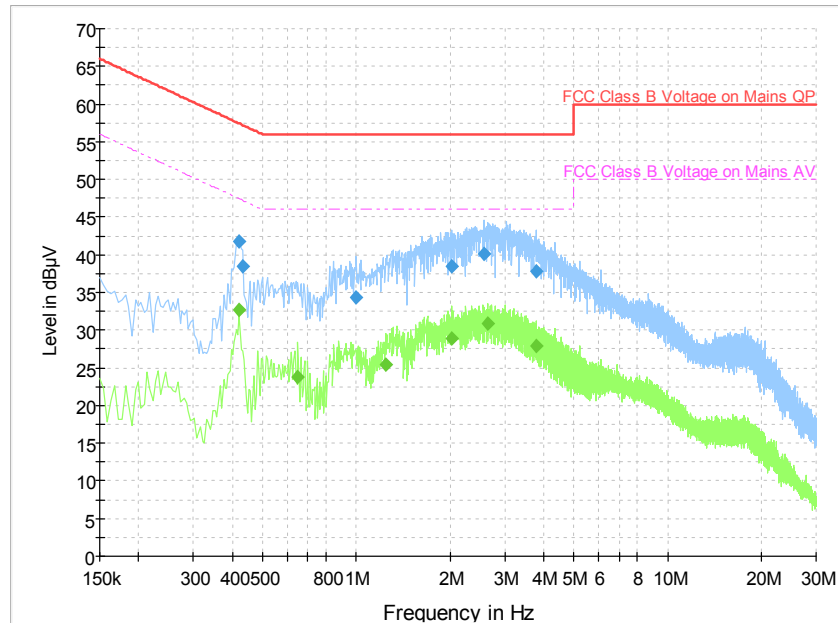


Figure A.11 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.420000	41.8	L1	19.9	15.6	57.4
0.433500	38.5	L1	19.9	18.7	57.2
1.000500	34.4	L1	19.9	21.6	56.0
2.026500	38.4	L1	19.8	17.6	56.0
2.575500	40.1	L1	19.8	15.9	56.0
3.786000	37.7	L1	19.8	18.3	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.420000	32.7	L1	19.9	14.7	47.4
0.649500	23.8	L1	19.9	22.2	46.0
1.243500	25.5	L1	19.8	20.6	46.0
2.022000	28.9	L1	19.8	17.1	46.0
2.634000	30.8	L1	19.8	15.2	46.0
3.786000	28.0	L1	19.8	18.0	46.0

Charger , Set.2

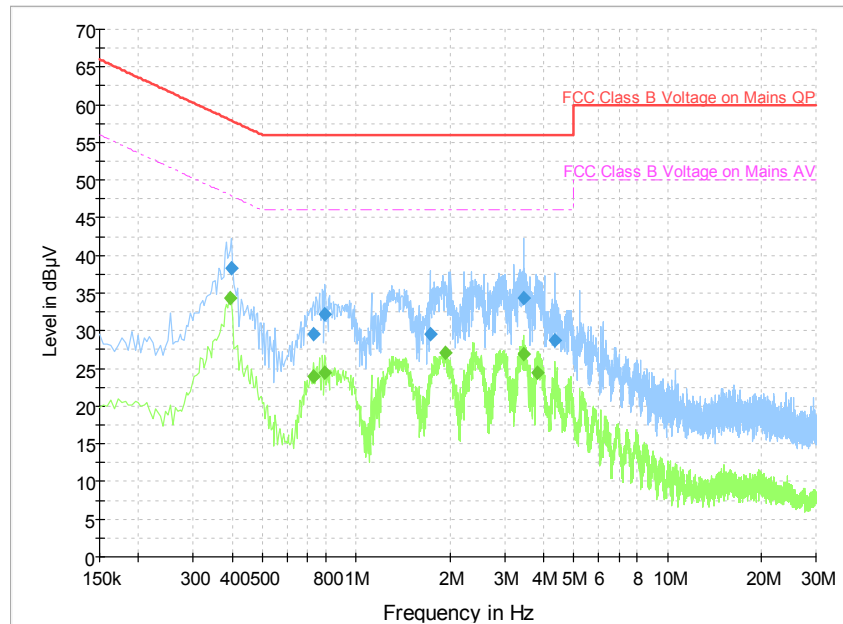


Figure A.12 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.397500	38.3	L1	19.9	19.6	57.9
0.730500	29.5	L1	19.8	26.5	56.0
0.793500	32.2	L1	19.8	23.8	56.0
1.725000	29.5	L1	19.8	26.5	56.0
3.453000	34.4	L1	19.8	21.6	56.0
4.335000	28.7	L1	19.8	27.3	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.393000	34.3	N	19.9	13.7	48.0
0.730500	24.0	L1	19.8	22.0	46.0
0.793500	24.4	L1	19.8	21.6	46.0
1.941000	27.0	L1	19.8	19.0	46.0
3.453000	26.9	L1	19.8	19.1	46.0
3.808500	24.5	L1	19.8	21.5	46.0

Charging Dock, Set.3

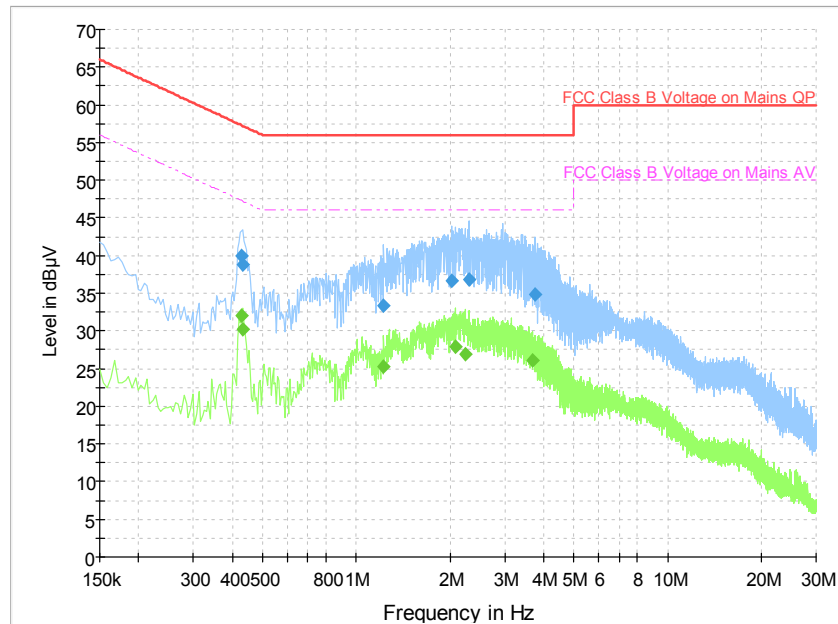


Figure A.13 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.429000	40.0	L1	19.9	17.3	57.3
0.433500	38.8	L1	19.9	18.4	57.2
1.225500	33.3	L1	19.8	22.7	56.0
2.017500	36.7	L1	19.8	19.3	56.0
2.301000	36.9	L1	19.8	19.1	56.0
3.745500	34.9	L1	19.8	21.1	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.429000	32.0	L1	19.9	15.2	47.3
0.433500	30.2	L1	19.9	17.0	47.2
1.225500	25.3	L1	19.8	20.7	46.0
2.080500	27.9	L1	19.8	18.1	46.0
2.238000	27.0	L1	19.8	19.0	46.0
3.691500	26.1	L1	19.8	19.9	46.0

USB, Set.4

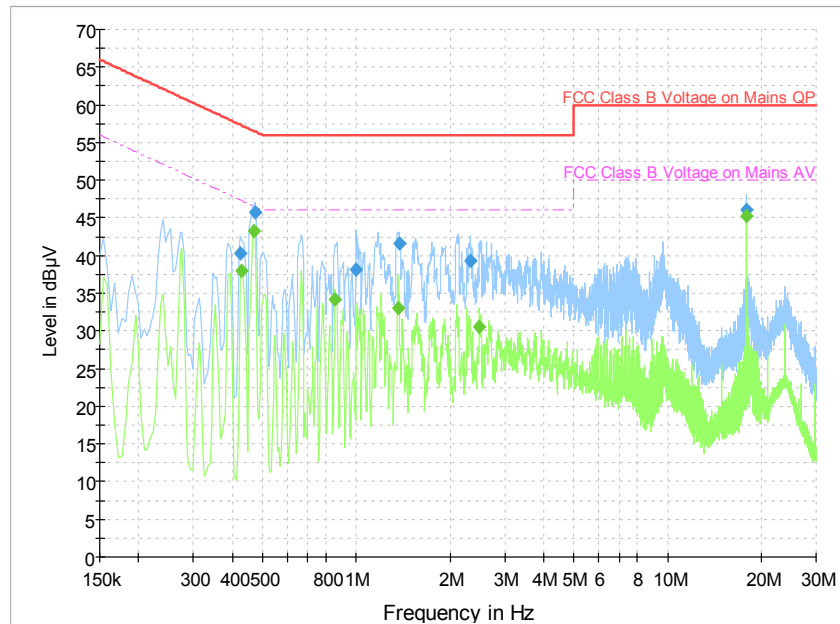


Figure A.13 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.424500	40.2	L1	19.9	17.1	57.4
0.474000	45.8	N	20.0	10.7	56.4
1.000500	38.1	L1	19.9	17.9	56.0
1.374000	41.7	L1	19.8	14.3	56.0
2.323500	39.3	L1	19.8	16.7	56.0
17.893500	46.1	L1	20.1	13.9	60.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.429000	38.0	L1	19.9	9.2	47.3
0.469500	43.3	N	20.0	3.2	46.5
0.856500	34.1	L1	19.8	11.9	46.0
1.360500	33.0	L1	19.8	13.0	46.0
2.490000	30.6	N	19.8	15.4	46.0
17.893500	45.2	L1	20.1	4.8	50.0

Charger + CAMERA, Set.5

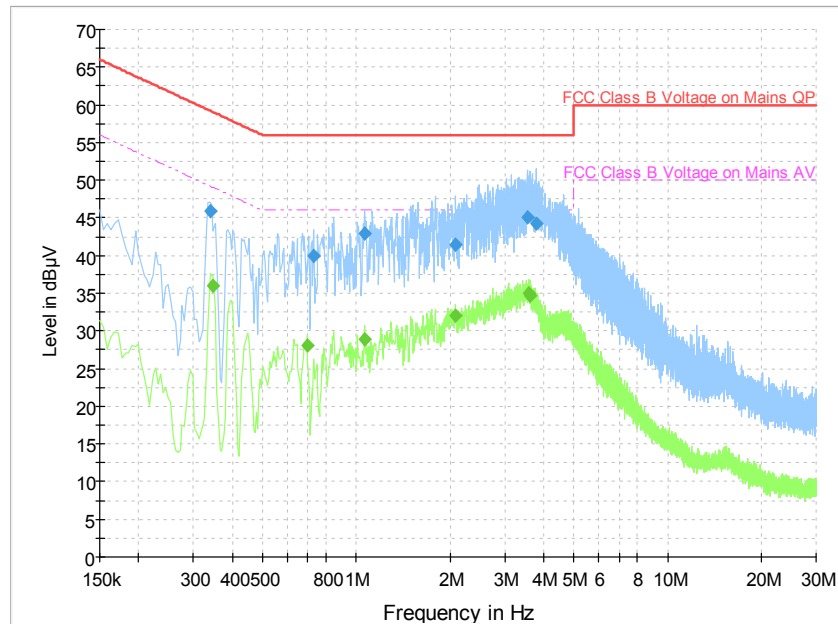


Figure A.13 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.339000	45.9	L1	19.9	13.4	59.2
0.730500	40.0	L1	19.8	16.0	56.0
1.063500	42.9	L1	19.8	13.1	56.0
2.085000	41.5	L1	19.8	14.5	56.0
3.538500	45.1	L1	19.8	10.9	56.0
3.781500	44.2	L1	19.8	11.8	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.348000	36.1	N	19.9	12.9	49.0
0.694500	28.1	L1	19.8	17.9	46.0
1.063500	29.0	L1	19.8	17.0	46.0
2.080500	32.0	L1	19.8	14.0	46.0
3.597000	34.9	L1	19.8	11.1	46.0
3.628500	34.7	L1	19.8	11.3	46.0

ANNEX B: Persons involved in this testing

Test Item	Tester
Conducted Continuous Emission	Wang Huan
Radiated Continuous Emission	Yan Hanchen

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