



TEST REPORT

No. I23Z60871-EMC01

for

TCL Communication Ltd.

Tablet PC

Model Name: 9466X

FCC ID: 2ACCJB208

with

Hardware Version: PIO

Software Version: JY8H

Issued Date: 2023-06-19

Note:

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Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I23Z60871-EMC01	Rev.0	1st edition	2023-05-17
I23Z60871-EMC01	Rev.1	Add the equipment: FM signal generator SMF100A Delete the data of licensed frequency band. Add the new tests which listed in P7	2023-06-19

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

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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

CTTL(BDA)

Address: No.18A, Kangding Street, Beijing Economic-Technology Development Area, Beijing, 100176, P. R. China

1.3. Testing Environment

Normal Temperature: 15-35° C

Relative Humidity: 20-75%

1.4. Project data

Testing Start Date: 2023-04-20

Testing End Date: 2023-06-19

1.5. Signature



Zhang Ying

(Prepared this test report)



An Hui

(Reviewed this test report)



Shi Suolan

(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name: TCL Communication Ltd.
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Email: nianxiang.jiang@tcl.com
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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
Contact: Annie Jiang
Email: nianxiang.jiang@tcl.com
Telephone: +86 755 3661 1621

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

3.1. About EUT

Description	Tablet PC
Model Name	9466X
FCC ID	2ACCJB208
Extreme vol. Limits	3.6VDC to 4.4VDC (nominal: 3.85VDC)

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	Note
UT11a	/	/	/	/
UT07a	RSNFZP85YXOV6LR8	PIO	JY8H	/

*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*	Name	Model	Manufacturer
AE1	Battery	TLp078CA	tianmao
AE2	Charger	FG18AQC3.0UU	Huizhou Juwei Electronics Co.,Ltd
AE3	USB cable	JWUB1526-M01R	Juwei Electronctcs 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.4	UT11a + AE1 + AE2 + AE3	EUT + CHARGING US
Set.5	UT11a + AE1 + AE3	EUT + USB
Set.6	UT11a + Headset	EUT + Headset FM
Set.14	UT07a + AE1 + AE2 + AE3	EUT + CHARGING US
Set.15	UT07a + AE1 +AE3	EUT + USB

Note: The 9466X (I23Z60871) is a variant model based on 9166G (I23Z60660).

The difference between 9466X (I23Z60871) and 9166G (I23Z60660) are show in the below table. According to the declaration of changes provided by the applicant, the additional RE and CE tests were applied which listed in table 2 in chapter 3.5. The other test results are derived from test report No.I23Z60660-EMC01. For detail differences between two models please refer the Declaration of Changes document.

	9166G	9466X
Protocol Stack	support	not support
MMS/STK/USAT/USIM	support	not support

3.5. Test summary

Table 1

The test of I23Z60660

EUT set-up No.	Test mode	Test result	
		Radiated Emission	Conducted Emission
Set.6	FM	Pass	/

Table 2

Adding tests of I23Z60871

EUT set-up No.	Test mode	Test result	
		Radiated Emission	Conducted Emission
Set.14	Charger + Real Camera	Pass	Pass
Set.14	Charger + Front Camera	Pass	Pass
Set.14	Charger + MP4	Pass	Pass
Set.15	USB TO PC	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 (BDA) CTTL (Huayuan bei)
2	Conducted Emission	15.107(a)	B.2	P	CTTL (Huayuan bei)

7. Test Equipments Utilized

The equipment for I23Z60660

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
3	Test Receiver	ESU26	100376	Rohde & Schwarz	2023-09-22	1 year
4	BiLog Antenna	VULB9163	01177	Schwarzbeck	2023-08-03	1 Year
5	Dual-Ridge Waveguide Horn Antenna	3117	00119024	ETS-Lindgren	2023-06-07	1 year
10	Signal generator	SMF100A	101295	R&S	2024-02-28	1 year

Test Item	Test Software and Version	Software Vendor
Conducted Emission	EMC32 V8.52.0	R&S
Radiated Emission	EMC32 V8.52.0	R&S

The equipment for I23Z60871

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	Test Receiver	ESCI	100344	R&S	2024-02-21	1 year
2	LISN	ENV216	101200	R&S	2023-06-29	1 Year
3	Test Receiver	ESW44	103144	R&S	2023-10-25	1 year
4	EMI Antenna	BULB 9163	01223	Schwarzbeck	2023-07-25	1 year
5	Dual-Ridge Waveguide Horn Antenna	3115	00167250	ETS-Lindgren	2023-06-20	1 year
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

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 EUT and charging mode of EUT) 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 EUT is operating in the USB mode and charging mode. During the test EUT 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 with Camera/MP3.

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

A.1.3 Measurement Limit

Frequency range (MHz)	Field strength limit ($\mu\text{V}/\text{m}$)		
	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:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

Measurement uncertainty (BDA):

Frequency range	Measurement uncertainty
30MHz-1GHz	5.73dB, k=2
1GHz-18GHz	5.58dB, k=2

Measurement uncertainty (Huayuanbei):

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

Measurement results for Set.6, FM:
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
37.954000	25.7	40.0	14.3	100.0	V	154.0
38.924000	21.3	40.0	18.7	100.0	V	-45.0
39.506000	19.9	40.0	20.1	100.0	V	-27.0
52.504000	27.3	40.0	12.7	125.0	V	-1.0
64.047000	26.6	40.0	13.4	100.0	V	262.0
931.518000	32.5	46.0	13.5	100.0	V	154.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
16929.500	38.15	-27.2	41.3	23.99	54.0	15.9	V
16931.000	38.13	-27.1	41.3	23.97	54.0	15.9	V
16924.000	38.00	-27.2	41.3	23.83	54.0	16.0	V
16918.500	37.97	-27.2	41.3	23.79	54.0	16.0	V
16935.000	37.96	-27.1	41.3	23.81	54.0	16.0	V
16932.500	37.96	-27.1	41.3	23.81	54.0	16.0	V

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
16501.000	50.4	-27.6	41.0	37.05	74.0	23.6	V
16924.000	50.3	-27.2	41.3	36.11	74.0	23.7	V
16858.000	50.2	-27.2	41.4	36.12	74.0	23.8	H
16557.000	50.2	-27.6	41.1	36.78	74.0	23.8	V
17108.000	50.1	-27.0	40.9	36.11	74.0	23.9	V
17322.000	50.0	-26.9	40.8	36.09	74.0	24.0	V

Measurement results for Set.14, Charger + REAR Camera:
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
53.668000	10.28	29.54	19.26	100.0	H	135.0
63.659000	8.60	29.54	20.94	202.0	H	239.0
121.762000	9.59	33.06	23.47	222.0	H	202.0
189.662000	14.22	33.06	18.84	225.0	H	46.0
205.279000	18.07	33.06	14.99	222.0	H	47.0
346.123000	12.68	35.56	22.88	225.0	H	113.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17996.600	40.5	-29.1	46.7	22.9	54.0	13.5	H
17309.800	40.3	-29.5	43.4	26.4	54.0	13.7	H
17534.200	40.3	-29.3	44.4	25.3	54.0	13.7	H
17472.660	40.2	-30.1	44.4	25.9	54.0	13.8	V
17298.240	40.2	-29.7	43.4	26.5	54.0	13.8	V
17676.660	40.2	-29.9	45.2	24.8	54.0	13.8	V

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17978.240	51.3	-29.1	46.7	33.7	74.0	22.7	V
17805.860	51.0	-29.6	46.0	34.7	74.0	23.0	V
17528.080	51.0	-29.3	44.4	36.0	74.0	23.0	V
17908.880	50.8	-29.3	46.0	34.2	74.0	23.2	H
17451.580	50.5	-29.9	44.4	36.0	74.0	23.5	V
17700.120	50.4	-29.7	45.2	34.9	74.0	23.6	H

Measurement results for Set.14, Charger + Front Camera:
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
33.783000	30.0	40.0	10.0	100.0	V	45.0
37.081000	31.7	40.0	8.3	100.0	V	135.0
39.409000	30.6	40.0	9.4	100.0	V	90.0
45.617000	27.0	40.0	13.0	100.0	V	154.0
67.636000	25.9	40.0	14.1	100.0	V	225.0
80.925000	26.2	40.0	13.8	100.0	V	231.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17996.600	40.5	-29.1	46.7	22.9	54.0	13.5	V
17309.800	40.3	-29.5	43.4	26.4	54.0	13.7	V
17534.200	40.3	-29.3	44.4	25.3	54.0	13.7	V
17472.660	40.2	-30.1	44.4	25.9	54.0	13.8	H
17298.240	40.2	-29.7	43.4	26.5	54.0	13.8	V
17676.660	40.2	-29.9	45.2	24.8	54.0	13.8	V

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17978.240	51.3	-29.1	46.7	33.7	74.0	22.7	H
17805.860	51.0	-29.6	46.0	34.7	74.0	23.0	V
17528.080	51.0	-29.3	44.4	36.0	74.0	23.0	V
17908.880	50.8	-29.3	46.0	34.2	74.0	23.2	H
17451.580	50.5	-29.9	44.4	36.0	74.0	23.5	H
17700.120	50.4	-29.7	45.2	34.9	74.0	23.6	V

Measurement results for Set.14, Charger + MP4
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
45.520000	10.53	29.54	19.01	125.0	H	126.0
53.959000	10.53	29.54	19.01	212.0	H	239.0
107.891000	9.04	33.06	24.02	225.0	H	27.0
136.021000	9.53	33.06	23.53	225.0	H	22.0
186.364000	16.24	33.06	16.82	222.0	H	46.0
203.242000	14.84	33.06	18.22	223.0	H	59.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17864.680	41.6	-29.4	46.0	25.0	54.0	12.4	V
17452.260	41.5	-29.9	44.4	27.0	54.0	12.5	H
17774.920	41.5	-29.6	46.0	25.2	54.0	12.5	V
17454.640	41.5	-29.9	44.4	27.0	54.0	12.5	V
17779.680	41.2	-29.6	46.0	24.9	54.0	12.8	H
17796.340	41.0	-29.9	46.0	24.9	54.0	13.0	H

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17868.760	52.0	-29.4	46.0	35.4	74.0	22.0	H
17803.140	51.4	-29.6	46.0	35.1	74.0	22.6	H
17906.840	51.2	-29.3	46.0	34.6	74.0	22.8	V
17962.940	51.2	-29.1	46.7	33.6	74.0	22.8	H
17887.460	51.1	-29.5	46.0	34.7	74.0	22.9	H
17313.880	51.1	-29.5	43.4	37.2	74.0	22.9	H

Measurement results for Set.15, USB to PC:
Charging Mode/QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
95.572000	15.73	33.06	17.33	223.0	H	47.0
215.949000	24.83	33.06	8.23	225.0	H	-4.0
240.005000	29.57	35.56	5.99	225.0	H	22.0
408.009000	26.33	35.56	9.23	183.0	H	265.0
495.018000	21.03	35.56	14.53	202.0	H	8.0
672.043000	26.51	35.56	9.05	125.0	H	21.0

Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
6052.400	42.2	-37.8	34.4	45.6	54.0	11.8	H
17444.780	41.1	-29.9	44.4	26.6	54.0	12.9	H
17765.400	41.0	-29.6	46.0	24.7	54.0	13.0	H
17758.600	41.0	-29.6	46.0	24.7	54.0	13.0	V
17877.600	40.8	-29.4	46.0	24.2	54.0	13.2	V
17960.900	40.7	-29.1	46.7	23.1	54.0	13.3	V

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17857.880	51.9	-29.3	46.0	35.3	74.0	22.1	H
17444.780	51.4	-29.9	44.4	36.9	74.0	22.6	H
17354.340	51.2	-30.0	43.4	37.8	74.0	22.8	H
17961.240	51.2	-29.1	46.7	33.6	74.0	22.8	V
17772.880	51.1	-29.6	46.0	34.8	74.0	22.9	H
17471.980	51.0	-30.1	44.4	36.7	74.0	23.0	H

Measurement results for Set.6, FM:

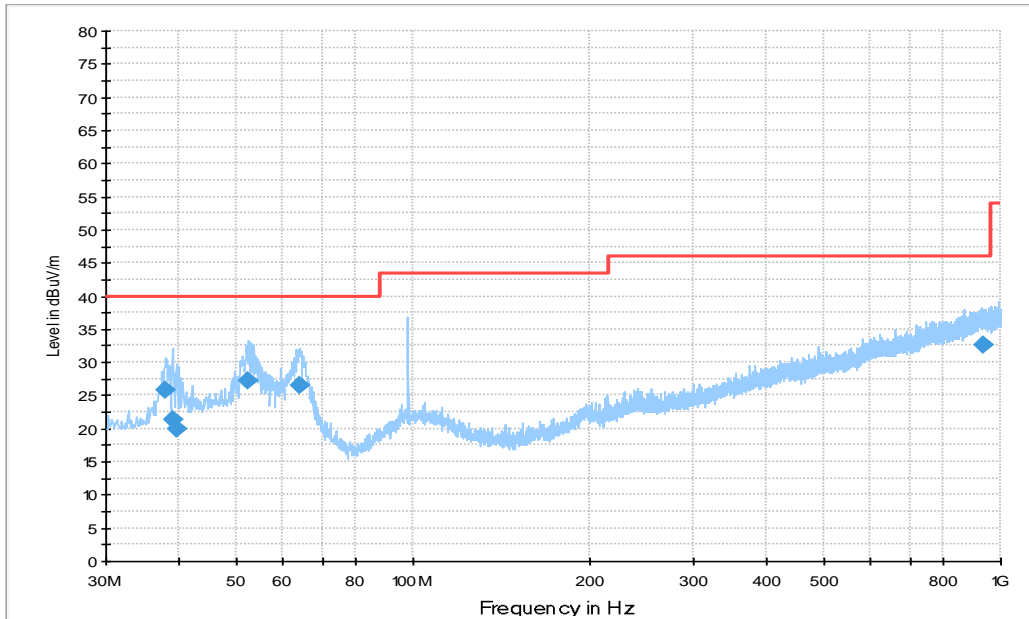


Fig A.1 Radiated Emission from 30MHz to 1GHz

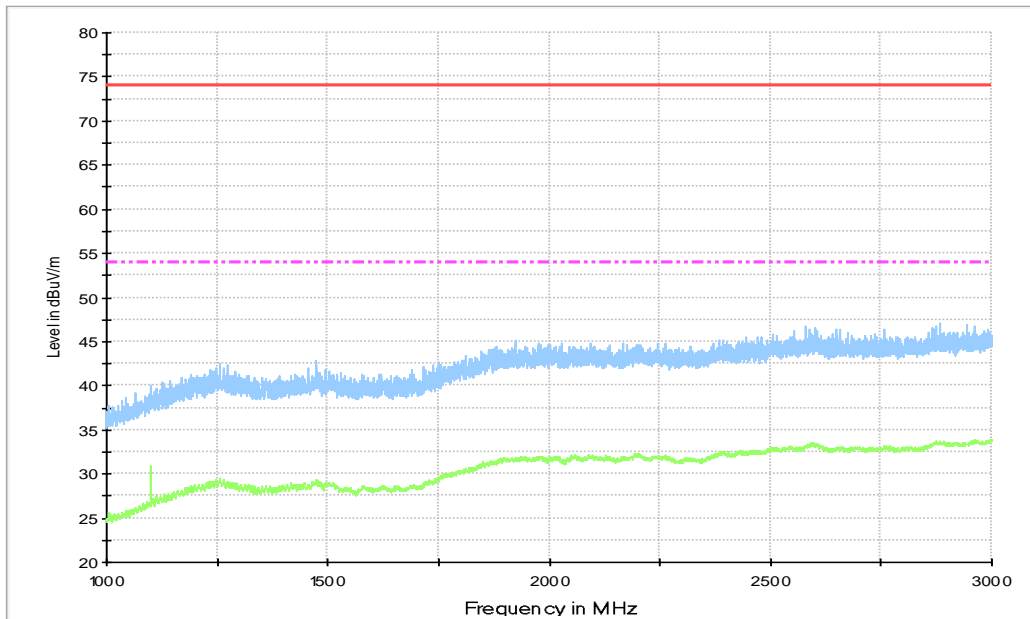


Fig A.2 Radiated Emission from 1GHz to 3GHz

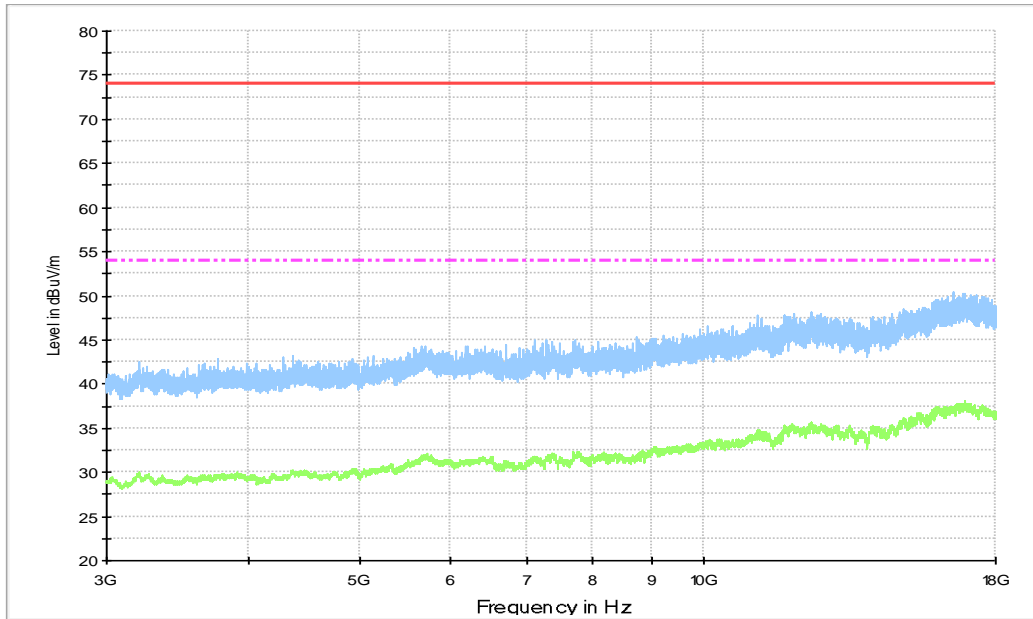


Fig A.3 Radiated Emission from 3GHz to 18GHz

Measurement results for Set.14, Charger + Rear Camera:

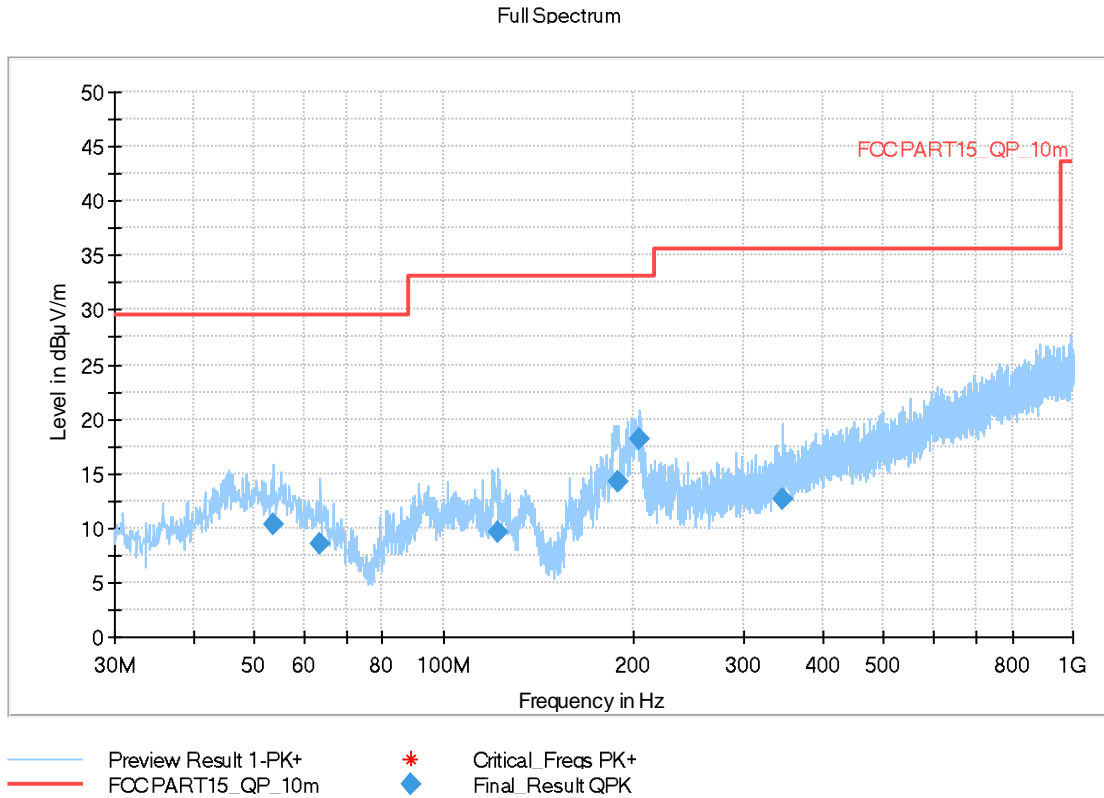


Fig A.4 Radiated Emission from 30MHz to 1GHz

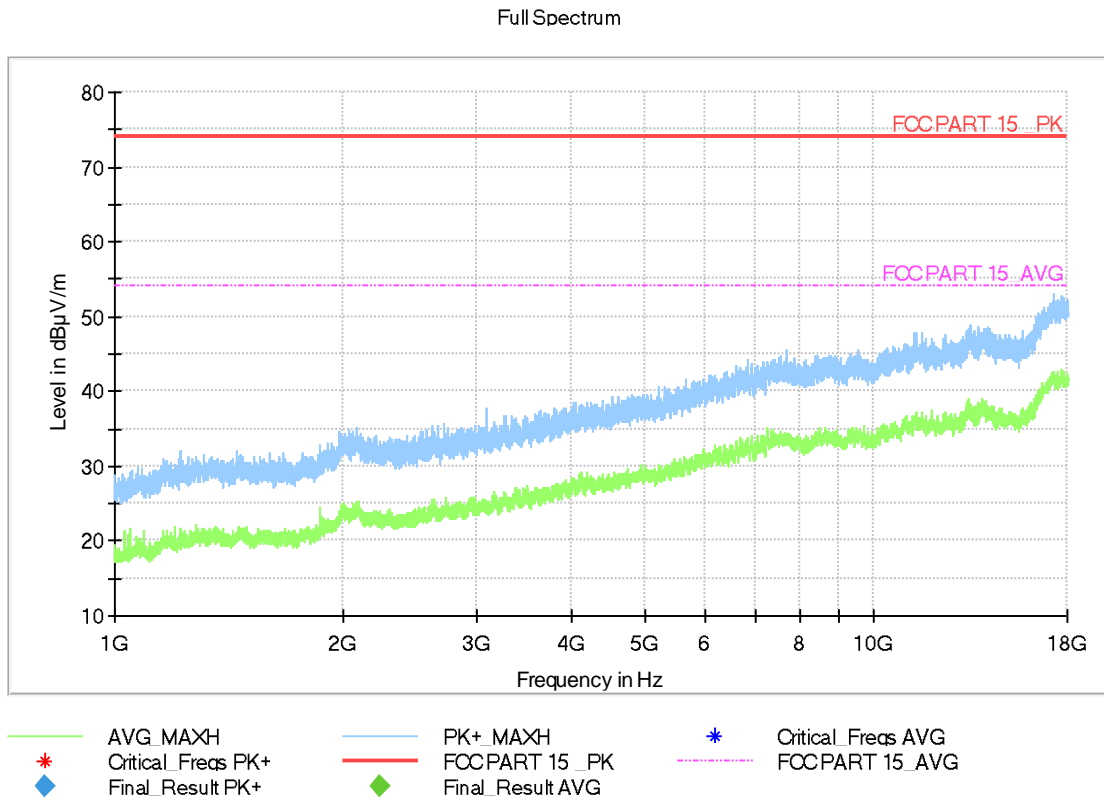


Fig A.5 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.14, Charger + Front Camera:

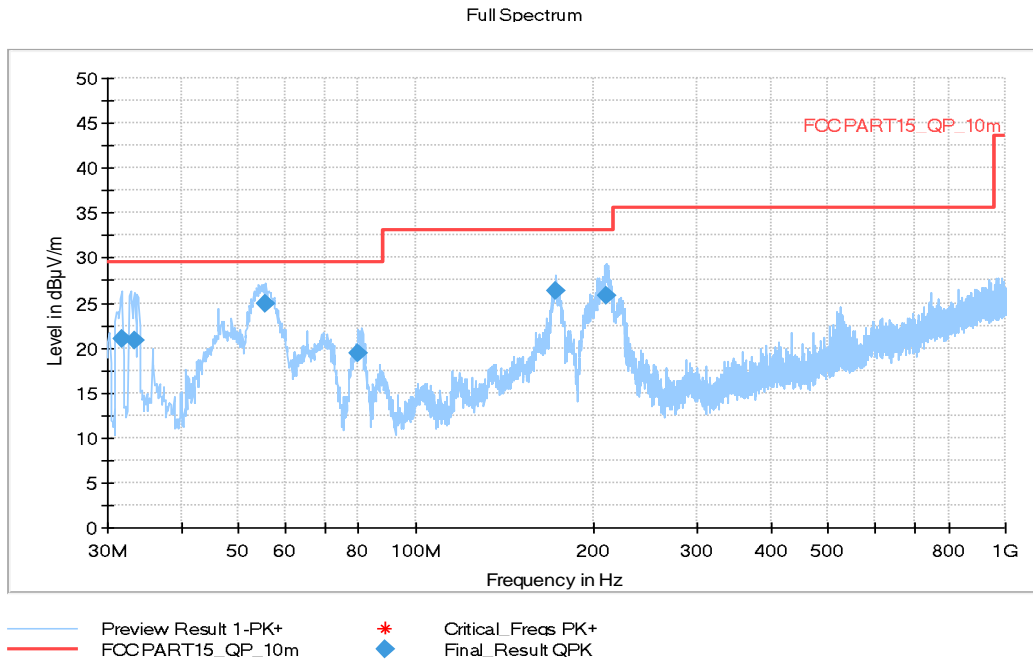


Fig A.6 Radiated Emission from 30MHz to 1GHz

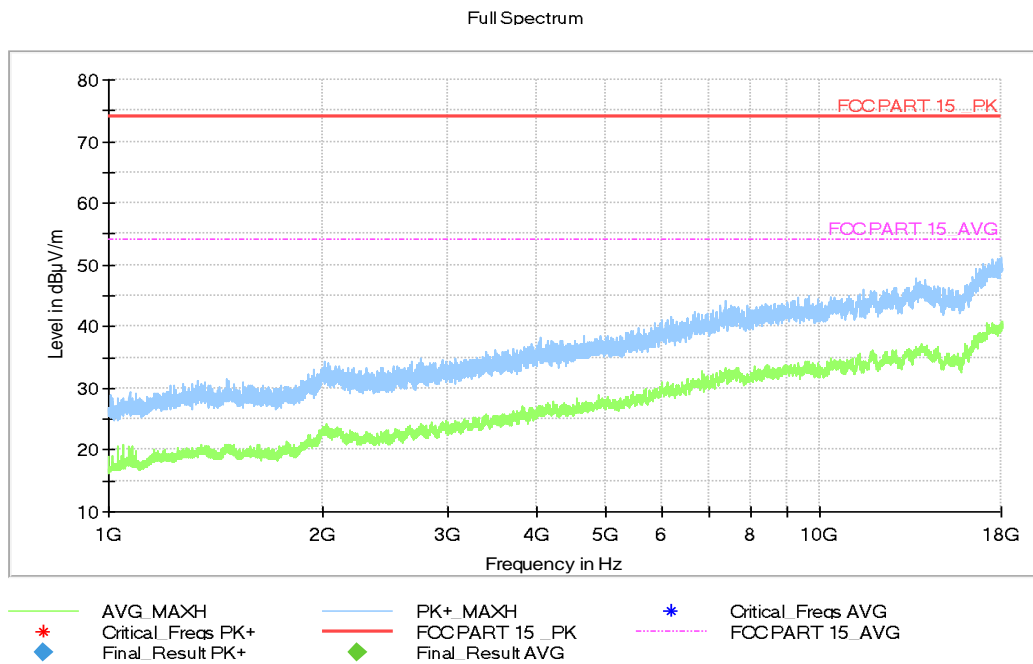
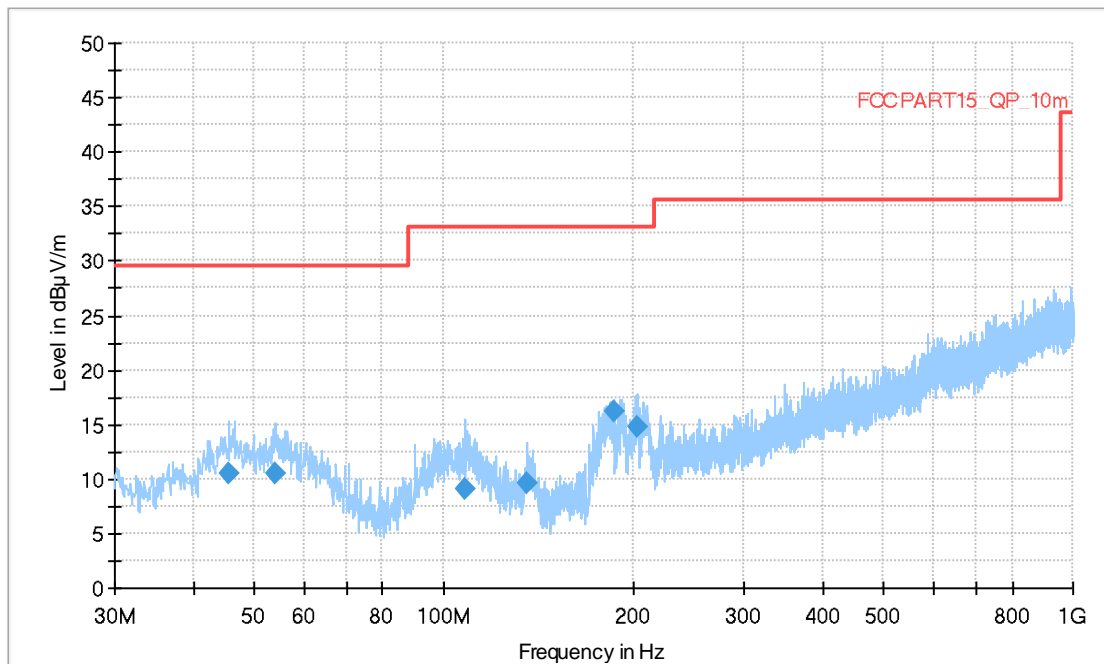


Fig A.7 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.14, Charger + mp4:

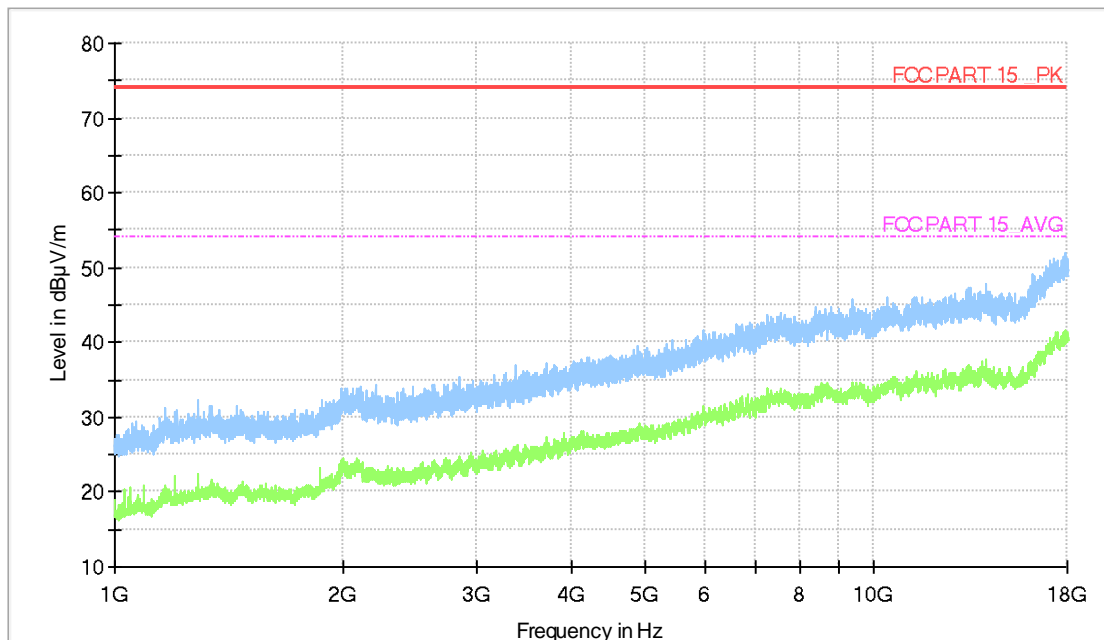
Full Spectrum



- ◆ Preview Result 1-PK+
- * Critical_Freqs PK+
- FCCPART15_QP_10m
- ◆ Final_Result QPK
- × MaxPeak-PK+ (Single)
- + QuasiPeak-QPK (Single)

Fig A.8 Radiated Emission from 30MHz to 1GHz

Full Spectrum



- AVG_MAXH
- PK+ MAXH
- * Critical_Freqs AVG
- * Critical_Freqs PK+
- FCCPART_15_PK
- - - FCCPART_15_AVG
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Fig A.9 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.15, USB to PC:

Full Spectrum

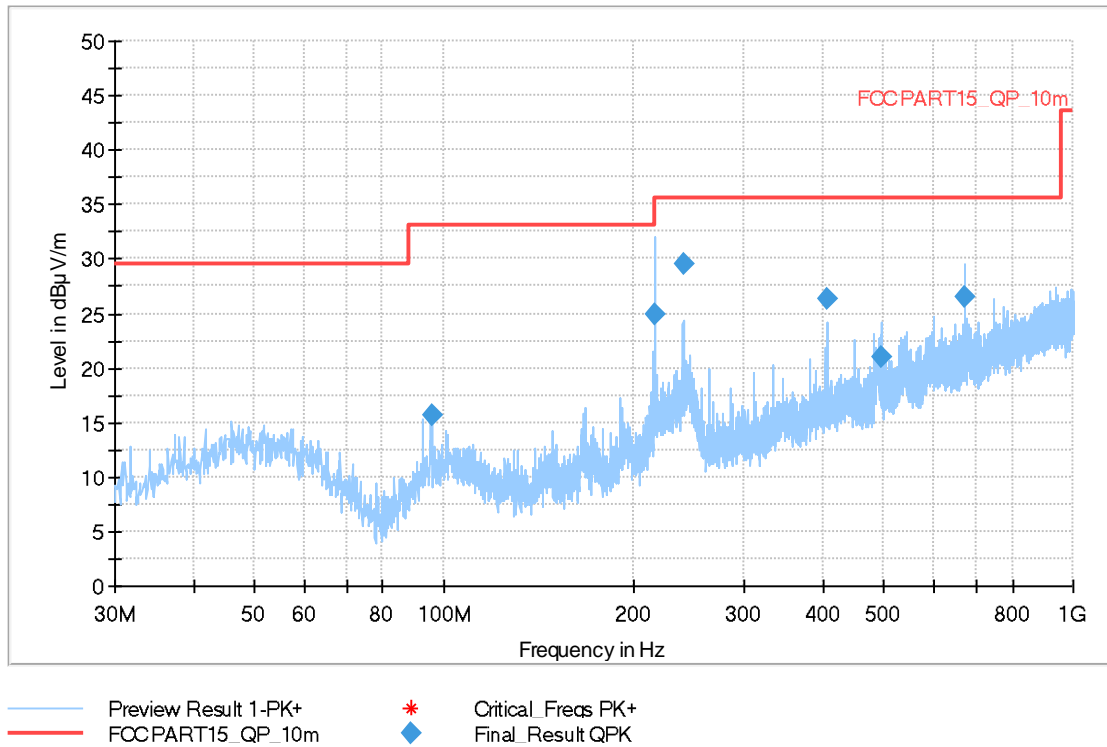


Fig A.10 Radiated Emission from 30MHz to 1GHz

Full Spectrum

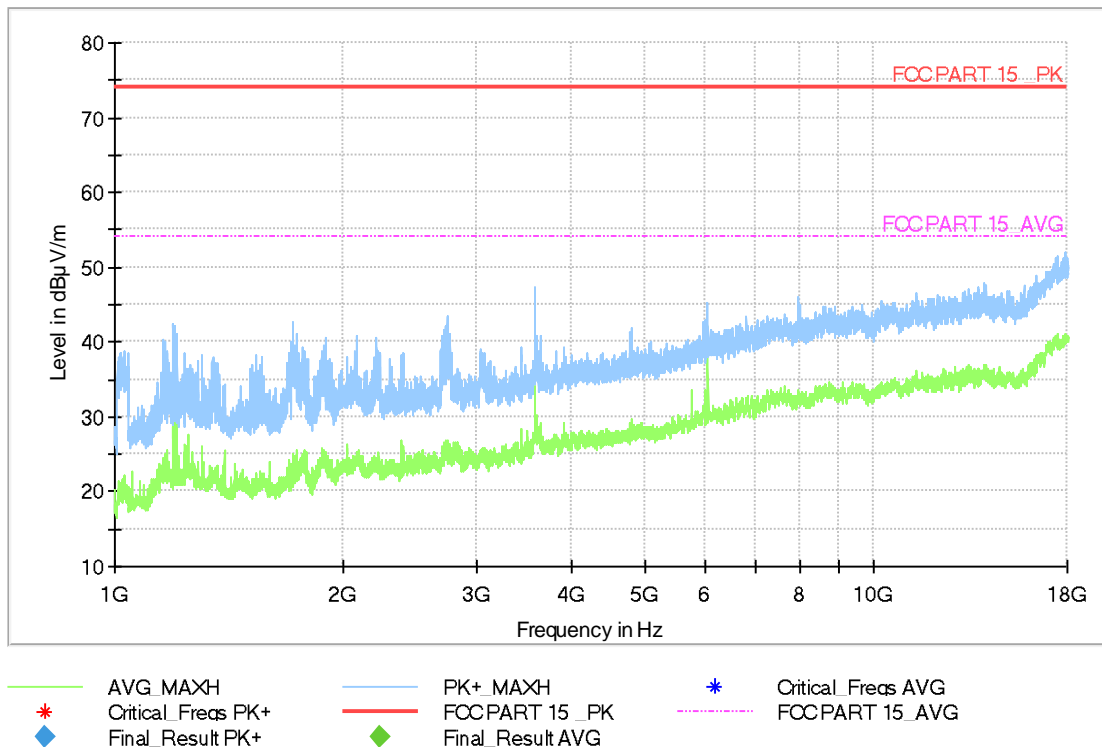


Fig A.11 Radiated Emission from 1GHz to 18GHz

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 EUT is operating in the USB mode and charging mode. During the test EUT 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.

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

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	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: $U= 3.08$ dB, $k=2$.

Measurement results for Set.14, Charger+Real Camera:

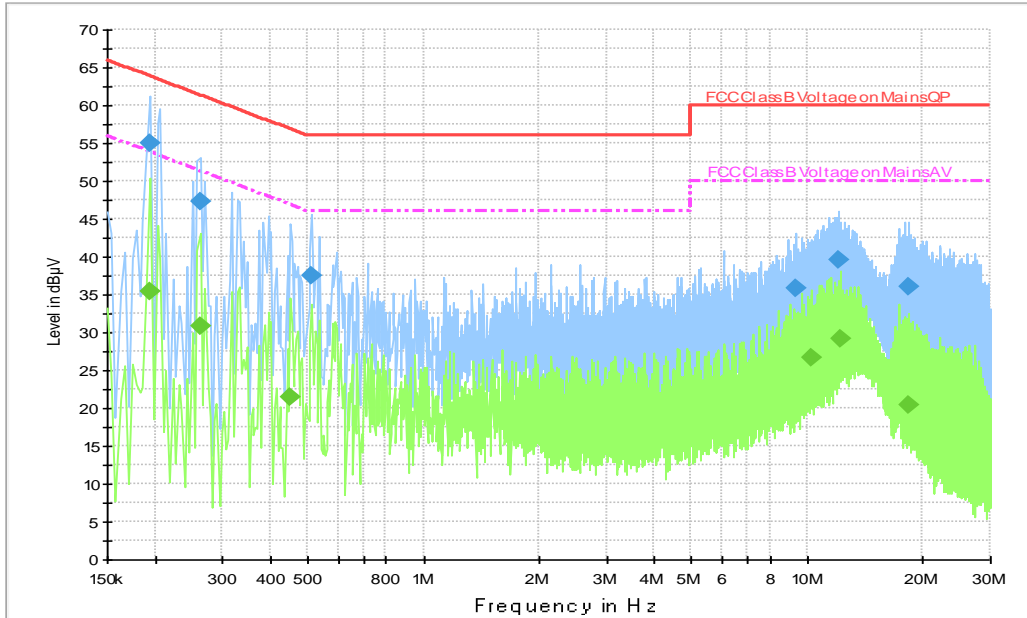


Fig A.12 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.194000	54.9	2000.0	9.000	On	L1	19.7	8.9	63.9
0.262000	47.4	2000.0	9.000	On	L1	19.7	14.0	61.4
0.510000	37.4	2000.0	9.000	On	L1	19.7	18.6	56.0
9.362000	35.8	2000.0	9.000	On	L1	19.7	24.2	60.0
12.006000	39.7	2000.0	9.000	On	L1	19.7	20.3	60.0
18.458000	36.0	2000.0	9.000	On	N	19.8	24.0	60.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.194000	35.5	2000.0	9.000	On	L1	19.7	18.4	53.9
0.262000	30.8	2000.0	9.000	On	L1	19.7	20.6	51.4
0.450000	21.5	2000.0	9.000	On	N	19.7	25.4	46.9
10.222000	26.7	2000.0	9.000	On	L1	19.7	23.3	50.0
12.250000	29.2	2000.0	9.000	On	L1	19.7	20.8	50.0
18.458000	20.5	2000.0	9.000	On	N	19.8	29.5	50.0

Measurement results for Set.14, Charger + Front camera:

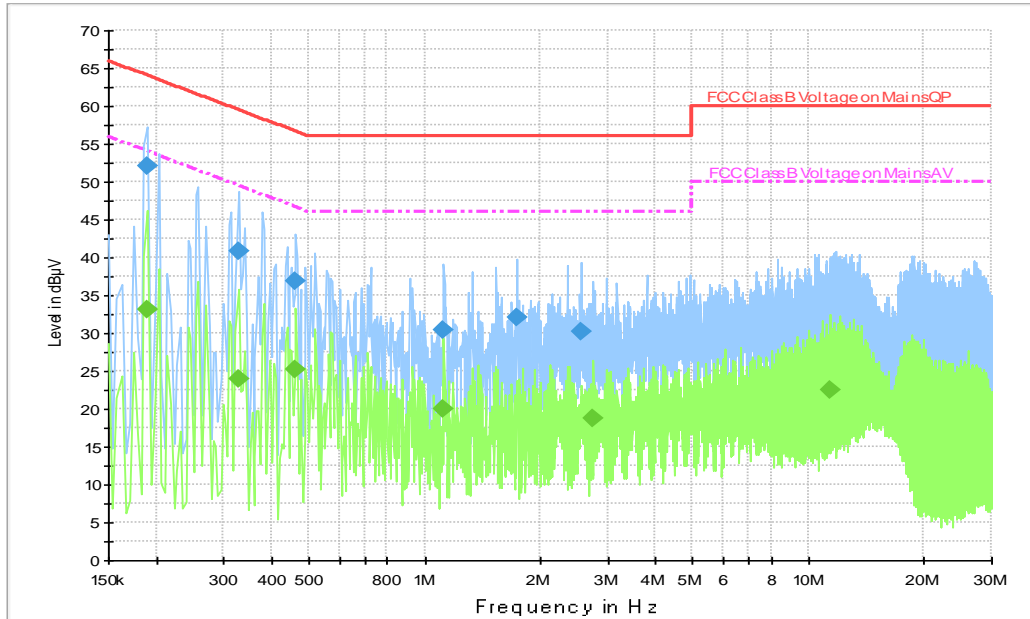


Fig A.13 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.190000	52.0	2000.0	9.000	On	N	19.7	12.0	64.0
0.326000	40.9	2000.0	9.000	On	N	19.6	18.7	59.6
0.462000	36.9	2000.0	9.000	On	L1	19.7	19.8	56.7
1.122000	30.4	2000.0	9.000	On	L1	19.6	25.6	56.0
1.738000	32.1	2000.0	9.000	On	L1	19.6	23.9	56.0
2.562000	30.2	2000.0	9.000	On	L1	19.6	25.8	56.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.190000	33.0	2000.0	9.000	On	N	19.7	21.0	54.0
0.326000	24.0	2000.0	9.000	On	N	19.6	25.6	49.6
0.462000	25.2	2000.0	9.000	On	L1	19.7	21.5	46.7
1.122000	20.0	2000.0	9.000	On	L1	19.6	26.0	46.0
2.758000	18.7	2000.0	9.000	On	L1	19.6	27.3	46.0
11.442000	22.4	2000.0	9.000	On	L1	19.7	27.6	50.0

Measurement results for Set.14, Charger + MP4:

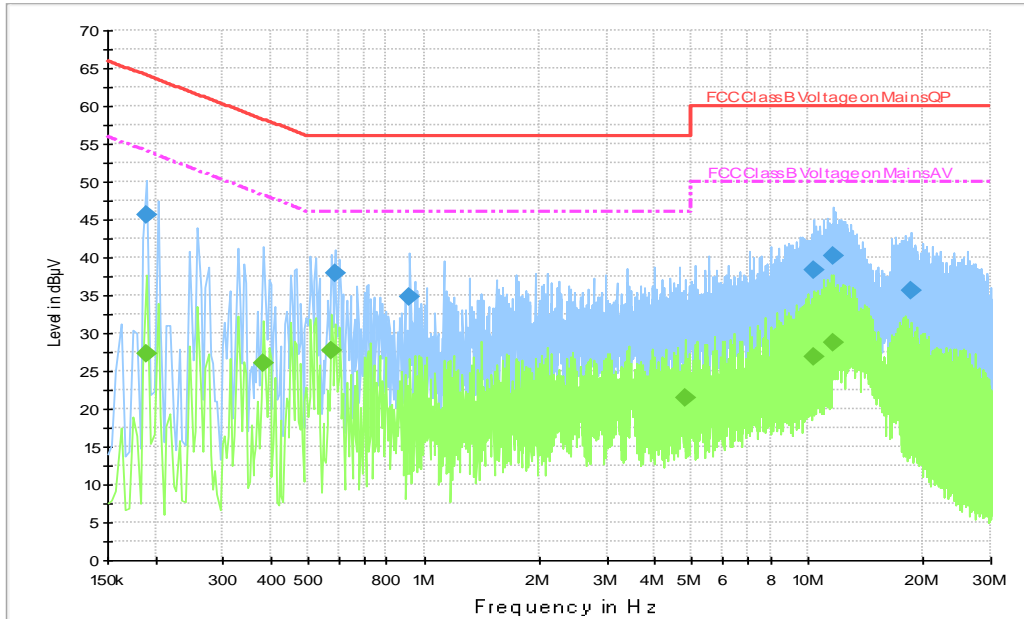


Fig A.14 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.190000	45.6	2000.0	9.000	On	L1	19.7	18.4	64.0
0.586000	37.9	2000.0	9.000	On	L1	19.7	18.1	56.0
0.918000	34.8	2000.0	9.000	On	L1	19.7	21.2	56.0
10.382000	38.3	2000.0	9.000	On	L1	19.7	21.8	60.0
11.662000	40.3	2000.0	9.000	On	L1	19.7	19.7	60.0
18.602000	35.7	2000.0	9.000	On	N	19.8	24.3	60.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.190000	27.4	2000.0	9.000	On	L1	19.7	26.7	54.0
0.382000	26.0	2000.0	9.000	On	L1	19.7	22.2	48.2
0.574000	27.7	2000.0	9.000	On	L1	19.7	18.3	46.0
4.798000	21.4	2000.0	9.000	On	L1	19.6	24.6	46.0
10.314000	26.9	2000.0	9.000	On	L1	19.7	23.1	50.0
11.686000	28.7	2000.0	9.000	On	L1	19.7	21.3	50.0

Measurement results for Set.15, USB TO PC:

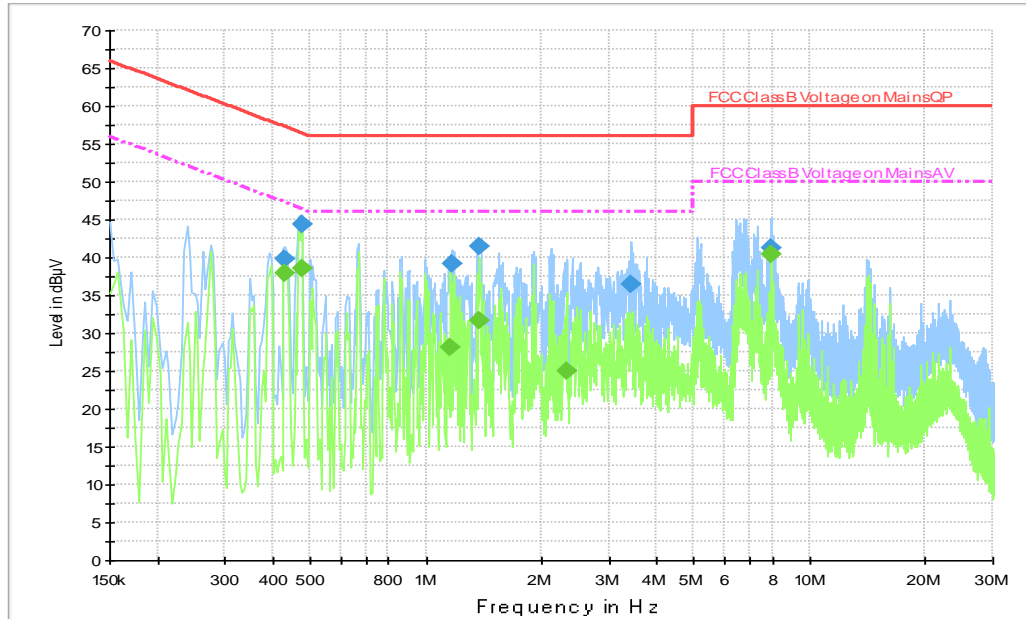


Fig A.15 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.430000	39.9	2000.0	9.000	On	L1	19.7	17.4	57.3
0.474000	44.5	2000.0	9.000	On	L1	19.7	12.0	56.4
1.166000	39.2	2000.0	9.000	On	L1	19.7	16.8	56.0
1.378000	41.4	2000.0	9.000	On	L1	19.6	14.6	56.0
3.418000	36.5	2000.0	9.000	On	N	19.6	19.5	56.0
7.926000	41.3	2000.0	9.000	On	N	19.6	18.7	60.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.430000	37.9	2000.0	9.000	On	L1	19.7	9.3	47.3
0.474000	38.5	2000.0	9.000	On	L1	19.7	7.9	46.4
1.158000	28.1	2000.0	9.000	On	L1	19.7	17.9	46.0
1.378000	31.6	2000.0	9.000	On	L1	19.6	14.4	46.0
2.330000	25.0	2000.0	9.000	On	N	19.6	21.0	46.0
7.922000	40.4	2000.0	9.000	On	L1	19.7	9.6	50.0

ANNEX B: PERSONS INVOLVED IN THIS TESTING

Test Item	Test operator
Conducted Emission	Zhang Tianli & Yan Hanchen
Radiated Emission	Sun Tianyuan & Ding Zai & Li Pengfei

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