



TEST REPORT

No. I19Z60993-EMC04

Samsung Electronics Co., Ltd.

Multi-band GSM/WCDMA/LTE phone with Bluetooth, WLAN

Model Name: SM-A107M/DS

FCC ID: ZCasma107M

with

Hardware Version: REV0.3

Software Version: A107MUBU0ASF6

Issued Date: 2019-06-21



Note:

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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

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I19Z60993-EMC04	Rev.0	1 st edition	2019-06-21

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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 (BDA)

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

1.3. Testing Environment

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

1.4. Project data

Testing Start Date: 2019-05-13
Testing End Date: 2019-06-07

1.5. Signature



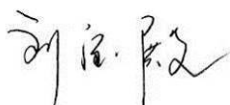
Li Yan

(Prepared this test report)



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2. Client Information

2.1. Applicant Information

Company Name: Samsung Electronics Co., Ltd.
Address: 19 Chapin Rd., Building D Pine Brook, NJ 07058
City: /
Postal Code: /
Country: /
Contact: Jenni Chun
Email: /
Telephone: /

2.2. Manufacturer Information

Company Name: Jiaxing Yongrui Electron Technology Co., Ltd.
Address: NO.777 Yazhong Road, Daqiao Town, Nanhu District, Jiaxing
City, Zhejiang
City: /
Postal Code: /
Country: /
Contact: /
Email: /
Telephone: /

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

3.1. About EUT

Description	Multi-band GSM/WCDMA/LTE phone with Bluetooth, WLAN
Model Name	SM-A107M/DS
FCC ID	ZCASMA107M
Extreme vol. Limits	3.6VDC to 4.2VDC (nominal: 3.8VDC)

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
EUT2	/	/	/
EUT3	/	/	/

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

3.3. Internal Identification of AE used during the test

AE ID*	Description	SN	Remarks
AE1	Battery	/	/
AE3	Charger	/	/
AE4	Charger	/	/
AE5	USB Cable	/	/
AE6	Headset	/	/

AE1

Model	SWD-WT-N6
Manufacturer	Sunwoda Electronic Co., Ltd.
Capacitance	3900mAh
Nominal voltage	3.82V

AE3

Model	EP-TA50JWE
Manufacturer	RFTECH ELECTRONICS (HuiZhou) Co.,Ltd.
Length of cable	/

AE4

Model	EP-TA50JWS	/
Manufacturer	RFTECH ELECTRONICS (HuiZhou) Co.,Ltd.	/
Length of cable	/	/

AE5

Model	GH39-02004A
Manufacturer	RFTECH ELECTRONICS (HuiZhou) Co.,Ltd.
Length of cable	/

AE6



Model	GH59-15054A
Manufacturer	ShenZhen LianChuang HongSheng Electronics Co.Ltd
Length of cable	/

Note: The USB cables are shielded.

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT2+ AE1 + AE3 +AE5+AE6	Charger mode + FM
Set.2	EUT3+ AE1 + AE5	USB mode+MP3+GNSS
Set.3	EUT3+ AE1 + AE4 +AE5	Charger mode + CAMERA

Note: SM-A107M/DS is a variant model based on SM-A107F/DS, According to the declaration of changes provided by the applicant and FCC KDB publication 484596 D01; all results are cited from the initial model. The report number for initial model is I19Z60830-EMC04 (FCC ID: ZCasma107F).

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	2016
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×17 meters×10 meters) 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	< 4Ω
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
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

Semi-anechoic chamber SAC-2 (10 meters×6.7meters×6.1meters) 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, 3m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 18GHz
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	BR	CTTL(BDA)
2	Conducted Emission	15.107(a)	A.2	BR	CTTL(BDA)

7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATI ON INTERVAL
1	Test Receiver	ESU26	100376	R&S	2019-11-27	1 year
2	Test Receiver	ESCI	100766	R&S	2020-03-20	1 year
3	Universal Radio Communication Tester	CMW500	127406	R&S	2020-01-19	1 year
4	LISN	ESH3-Z5	825562/028	R&S	2019-08-22	1 year
5	EMI Antenna	VULB9163	9163-482	Schwarzbeck	2019-09-21	1 year
6	EMI Antenna	3117	00139065	ETS-Lindgren	2019-10-15	1 year
7	Signal Generator	SMF100A	101295	R&S	2019-11-27	1 year
8	Printer	P1606dn	VNC3L52122	HP	N/A	N/A
9	Keyboard	KU-1601	2048361	Lenovo	N/A	N/A
10	Mouse	EMS-537A	8021S3MC	Lenovo	N/A	N/A

Test Item	Test Software and Version	Software Vendor
Radiated Continuous Emission	EMC32 V9.01	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 (USB mode of MS and charging mode of MS) 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 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. During the charging mode the FM application is started up. During the charging mode (set.3) the camera is keeping on taking photos. During the USB mode The EUT is keeping on playing MP3 and the GNSS application is started up. The model of the PC is Lenovo M4000e-17, and the serial number of the PC is M706RMW2. 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/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: 5.40dB, 1GHz-18GHz: 4.32dB, $k=2$.

Measurement results for Set.1:

Charging Mode+ FM /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)
17089.000	39.0	-26.1	41.6	23.54	54.0	15.0	V
17088.000	39.0	-26.1	41.6	23.51	54.0	15.0	V
17101.000	38.9	-26.1	41.6	23.38	54.0	15.1	V
17990.500	38.9	-25.8	41.3	23.42	54.0	15.1	V
17987.000	38.8	-25.8	41.3	23.35	54.0	15.2	H
17114.500	38.8	-26.0	41.6	23.21	54.0	15.2	H

Charging Mode+ FM /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)
17102.500	51.7	-26.0	41.6	36.1	74.0	22.3	V
17052.000	51.5	-26.4	41.6	36.3	74.0	22.5	H
17926.000	51.4	-26.1	41.3	36.2	74.0	22.6	H
17101.500	51.1	-26.1	41.6	35.6	74.0	22.9	V
17091.500	50.9	-26.1	41.6	35.4	74.0	23.1	V
17075.500	50.9	-26.2	41.6	35.5	74.0	23.1	V

Measurement results for Set.2:**USB Mode +MP3+GNSS /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)
4050.000	44.5	-35.6	33.6	46.53	54.0	9.5	V
4049.500	44.0	-35.6	33.6	46.08	54.0	10.0	V
4050.500	40.2	-35.6	33.6	42.28	54.0	13.8	V
4049.000	39.2	-35.6	33.6	41.31	54.0	14.8	H
17108.500	39.2	-26.0	41.6	23.57	54.0	14.8	V
17109.500	39.1	-26.0	41.6	23.50	54.0	14.9	H

USB Mode +MP3+GNSS /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)
3592.000	58.80	-35.2	33.2	60.9	74.0	15.2	H
3585.000	56.91	-35.2	33.2	58.9	74.0	17.1	H
3596.500	56.80	-35.3	33.2	58.9	74.0	17.2	H
3591.000	56.73	-35.2	33.2	58.8	74.0	17.3	H
3600.000	56.22	-35.3	33.2	58.4	74.0	17.8	H
3588.000	55.84	-35.2	33.2	57.9	74.0	18.2	H

Measurement results for Set.3:
Charging Mode+ CAMERA /Average detector

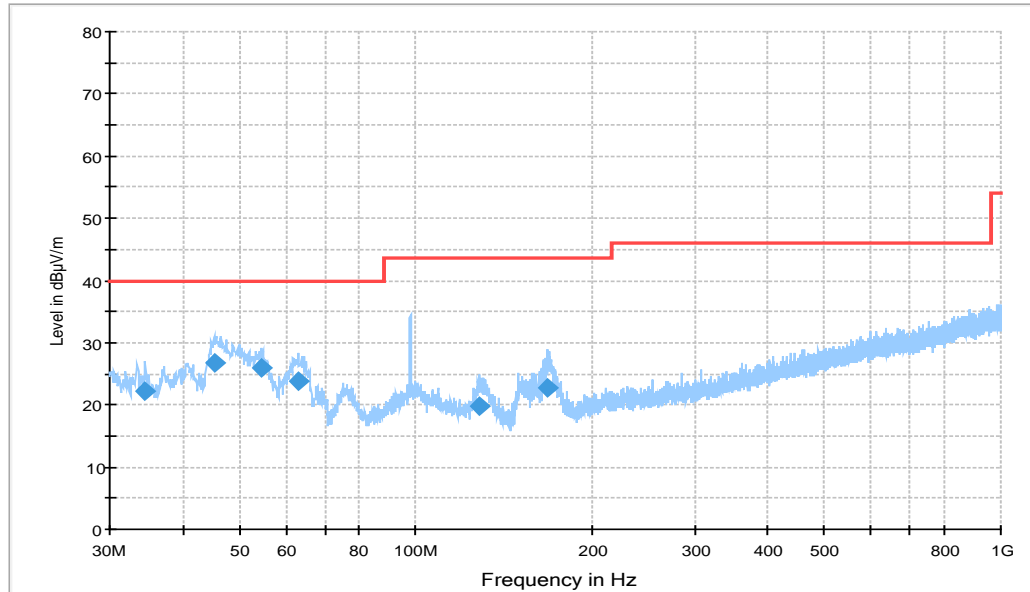
Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17105.500	39.1	-26.0	41.6	23.518	54.0	14.9	V
17107.000	39.0	-26.0	41.6	23.414	54.0	15.0	V
17103.000	39.0	-26.0	41.6	23.419	54.0	15.0	V
17112.500	39.0	-26.0	41.6	23.363	54.0	15.0	H
17108.000	39.0	-26.0	41.6	23.387	54.0	15.0	H
17088.500	38.9	-26.1	41.6	23.460	54.0	15.1	V

Charging Mode+ CAMERA /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)
17959.500	52.3	-25.9	41.3	36.98	74.0	21.7	V
17989.500	51.8	-25.8	41.3	36.30	74.0	22.2	H
16859.500	51.5	-26.9	41.6	36.79	74.0	22.5	V
17098.000	51.4	-26.1	41.6	35.89	74.0	22.6	H
16515.500	51.2	-26.9	41.3	36.86	74.0	22.8	H
17108.000	51.2	-26.0	41.6	35.61	74.0	22.8	H

Charging Mode + FM, Set.1

15B RE 30MHz-1GHz



Note: the spike (98MHz) is coming from FM signal source.

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

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
34.559000	22.2	100.0	V	41.0	-1.2	17.8	40.0
45.229000	26.7	100.0	V	13.0	0.1	13.3	40.0
54.444000	25.9	100.0	V	-45.0	-0.3	14.1	40.0
63.077000	23.7	100.0	V	18.0	-1.9	16.3	40.0
128.45500	19.9	125.0	H	0.0	-3.9	23.6	43.5
167.54600	22.6	100.0	V	14.0	-4.1	20.9	43.5

15B RE - 1GHz-3GHz

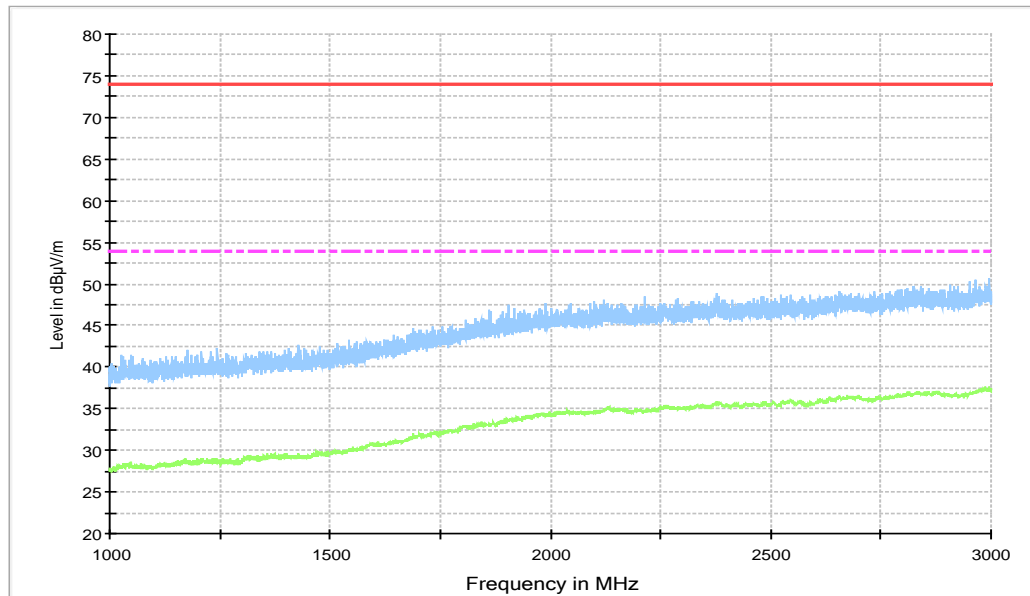


Figure A.2 Radiated Emission from 1GHz to 3GHz

15b RE - 3GHz-18GHz

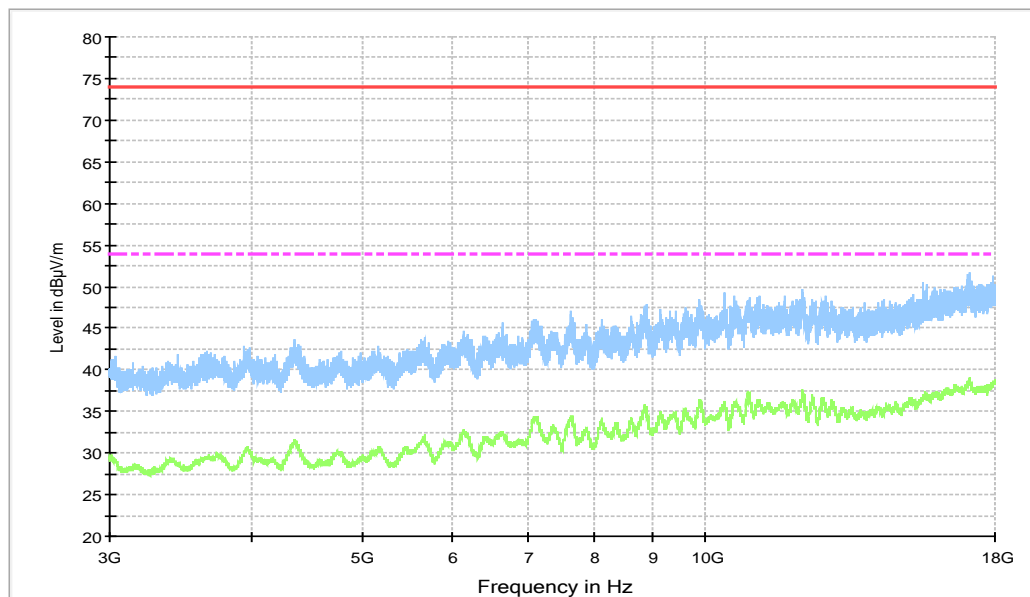


Figure A.3 Radiated Emission from 3GHz to 18GHz

USB Mode +MP3+GNSS, Set.2

15B RE 30MHz-1GHz

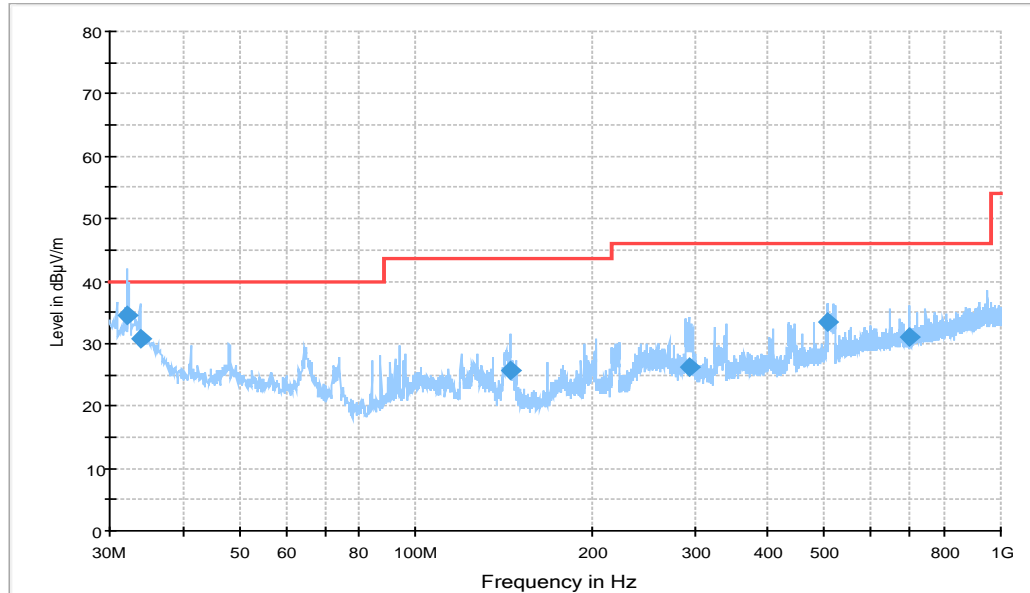


Figure A.4 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
32.134000	34.4	100.0	V	45.0	-1.9	5.6	40.0
33.783000	30.8	100.0	V	119.0	-1.4	9.2	40.0
144.84800	25.7	100.0	V	149.0	-5.0	17.8	43.5
292.67600	26.3	110.0	H	-18.0	0.0	19.7	46.0
506.65800	33.3	100.0	V	228.0	5.9	12.7	46.0
696.68100	31.1	100.0	V	13.0	8.4	14.9	46.0

15B RE - 1GHz-3GHz

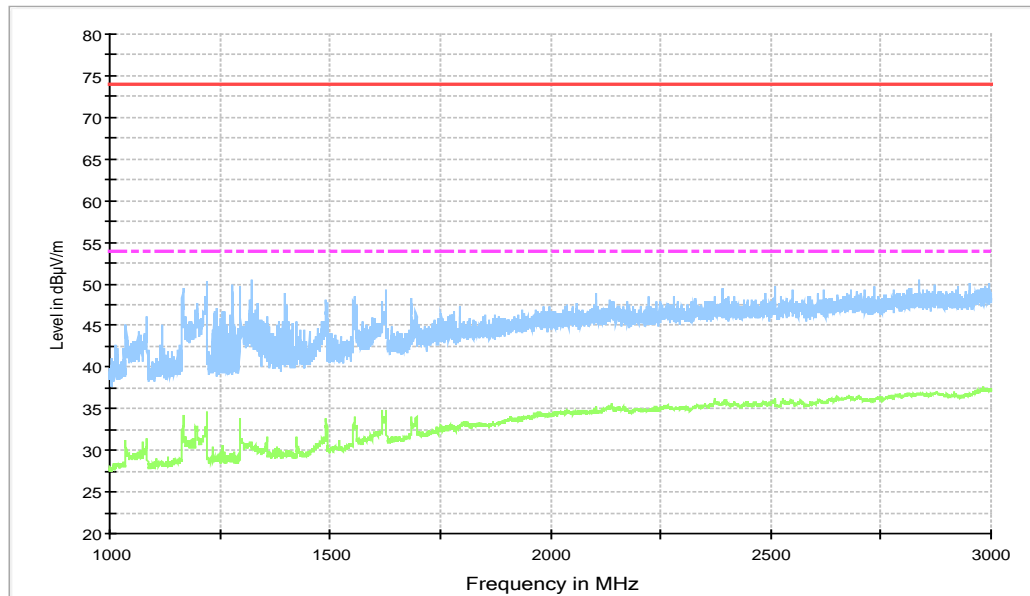


Figure A.5 Radiated Emission from 1GHz to 3GHz

RE - 3GHz-18GHz

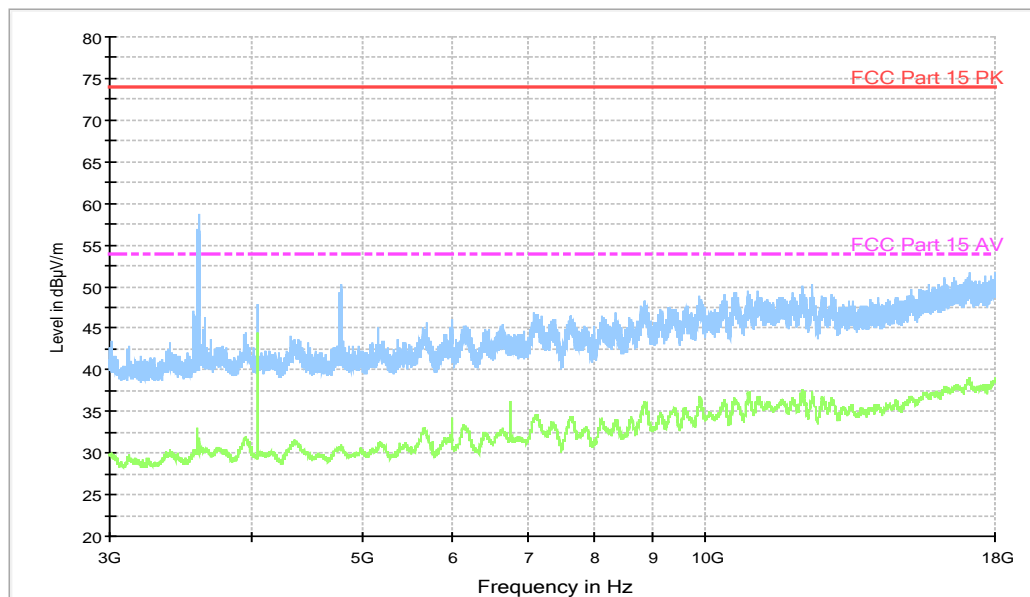


Figure A.6 Radiated Emission from 3GHz to 18GHz

Charging Mode+ CAMERA, Set.3

15B RE 30MHz-1GHz

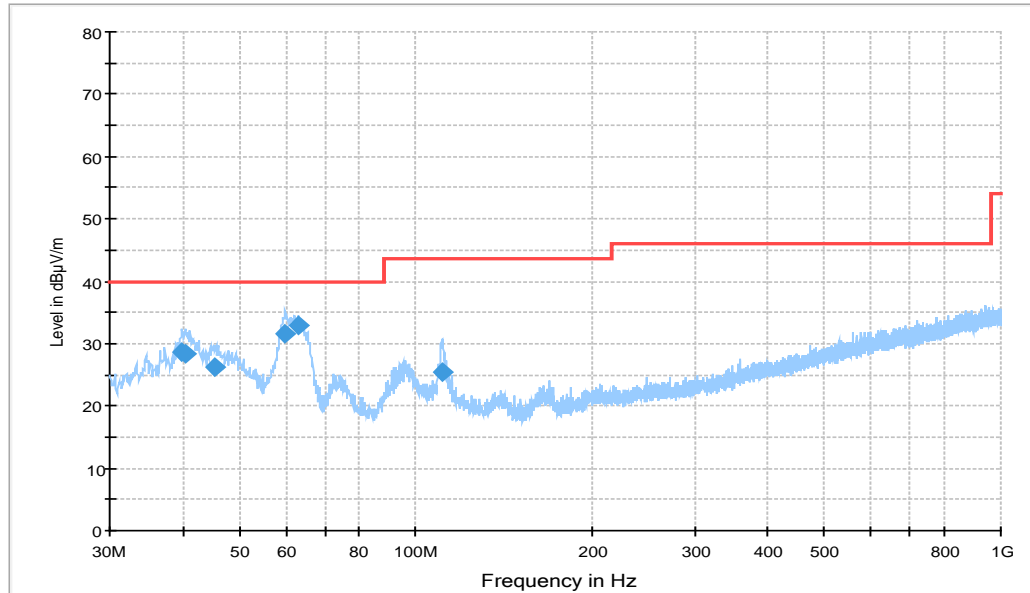


Figure A.7 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
39.797000	28.7	100.0	V	99.0	0.1	11.3	40.0
40.476000	28.5	125.0	V	72.0	0.1	11.5	40.0
45.326000	26.1	100.0	V	270.0	0.1	13.9	40.0
59.973000	31.7	100.0	V	90.0	-0.8	8.3	40.0
63.077000	32.9	100.0	V	142.0	-1.9	7.1	40.0
111.28600	25.4	100.0	V	228.0	-1.9	18.1	43.5

15B RE - 1GHz-3GHz

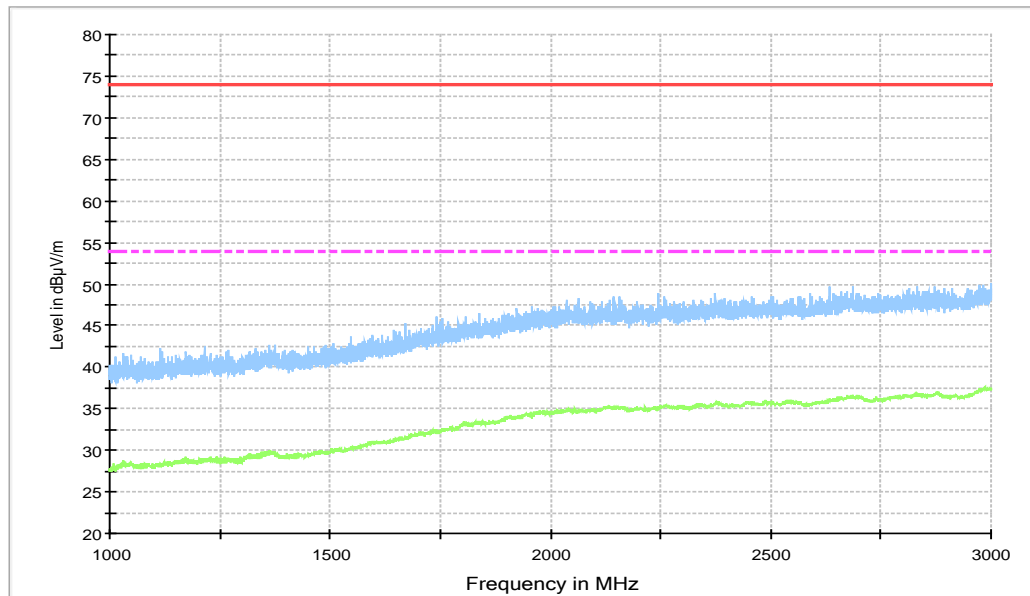


Figure A.8 Radiated Emission from 1GHz to 3GHz

15b RE - 3GHz-18GHz

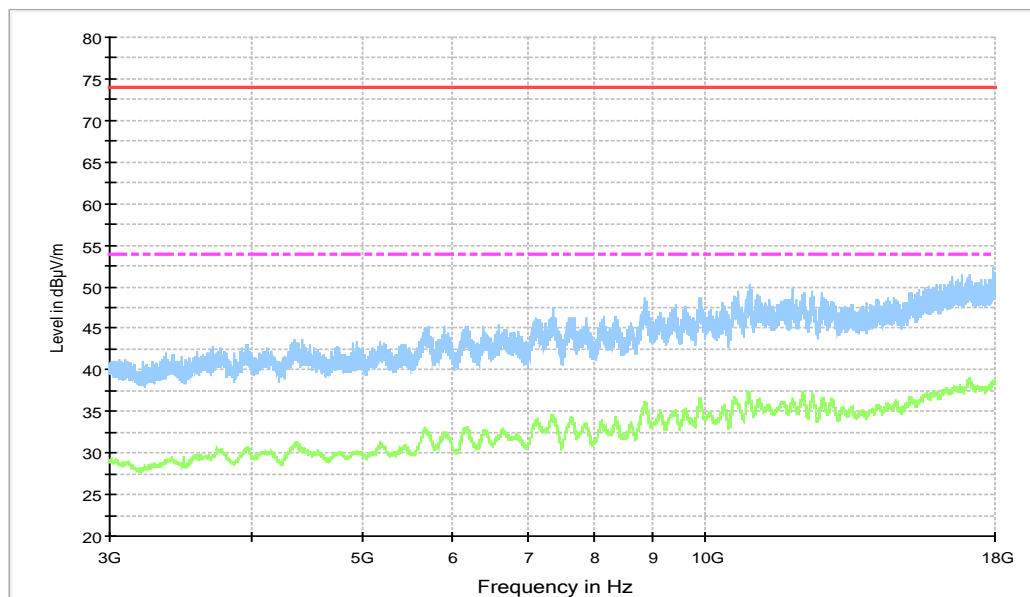


Figure A.9 Radiated Emission from 3GHz to 18GHz

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. During the charging mode (set.1) the FM application is started up. During the charging mode (set.3) the camera is keeping on taking photos. During the USB mode the EUT is keeping on playing MP3 and the GNSS application is started up. The model of the PC is Lenovo M4000e-17, and the serial number of the PC is M706RMW2. 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 (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: $U= 3.10$ dB, $k=2$.

Charging Mode + FM, Set.1

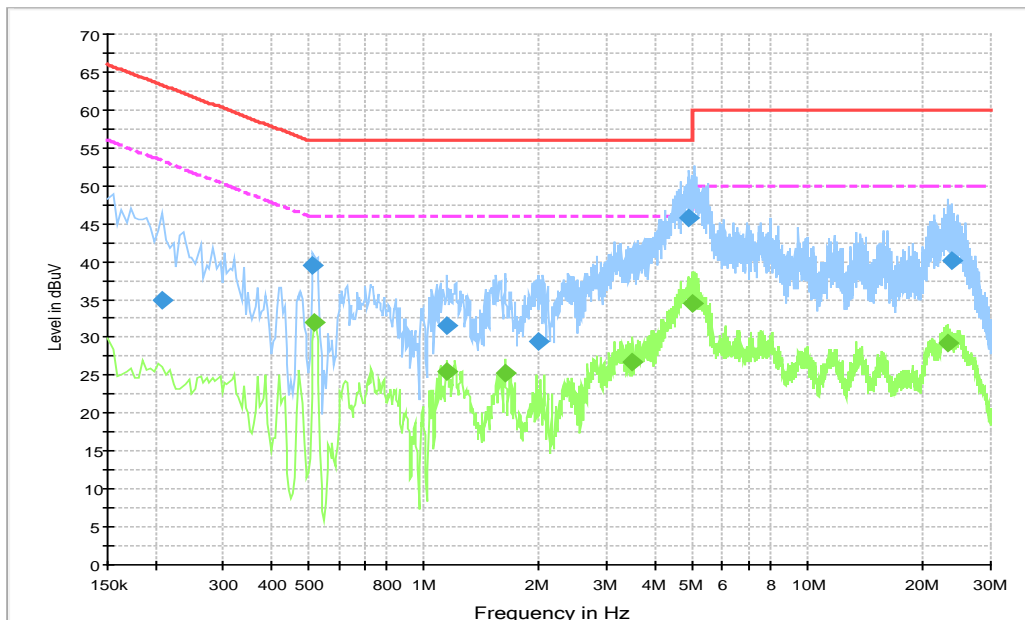


Figure A.10 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.208500	34.9	10000.0	9.000	GND	L1	10.3	28.4	63.3
0.514500	39.4	10000.0	9.000	GND	L1	10.3	16.6	56.0
1.149000	31.6	10000.0	9.000	GND	L1	10.4	24.4	56.0
1.990500	29.6	10000.0	9.000	GND	L1	10.4	26.4	56.0
4.920000	45.8	10000.0	9.000	GND	L1	10.5	10.2	56.0
23.730000	40.0	10000.0	9.000	GND	L1	11.5	20.0	60.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.519000	32.0	10000.0	9.000	GND	L1	10.3	14.0	46.0
1.153500	25.5	10000.0	9.000	GND	L1	10.3	20.5	46.0
1.630500	25.2	10000.0	9.000	GND	L1	10.4	20.8	46.0
3.507000	26.7	10000.0	9.000	GND	L1	10.5	19.3	46.0
4.983000	34.6	10000.0	9.000	GND	L1	10.5	11.4	46.0
23.239500	29.2	10000.0	9.000	GND	L1	11.4	20.8	50.0

.USB Mode +MP3+GNSS, Set.2

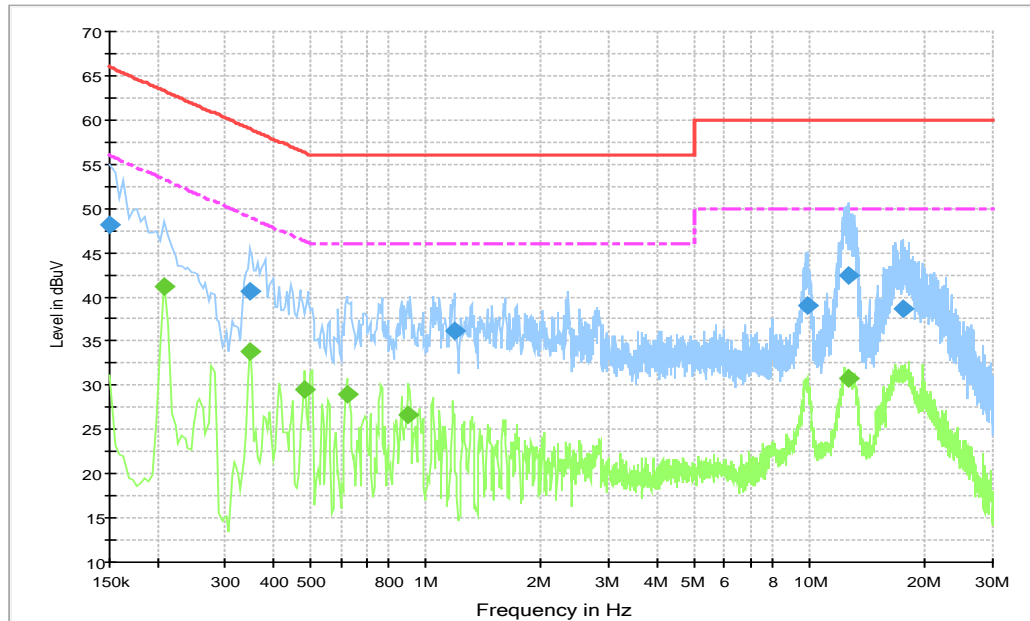


Figure A.11 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	48.1	10000.0	9.000	GND	L1	10.2	17.9	66.0
0.348000	40.7	10000.0	9.000	GND	L1	10.3	18.3	59.0
1.189500	36.2	10000.0	9.000	GND	N	10.4	19.8	56.0
9.874500	38.9	10000.0	9.000	GND	N	10.7	21.1	60.0
12.601500	42.4	10000.0	9.000	GND	L1	11.0	17.6	60.0
17.560500	38.7	10000.0	9.000	GND	L1	11.3	21.3	60.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.208500	41.2	10000.0	9.000	GND	N	10.3	12.0	53.3
0.348000	33.8	10000.0	9.000	GND	N	10.3	15.2	49.0
0.483000	29.6	10000.0	9.000	GND	N	10.3	16.7	46.3
0.622500	29.0	10000.0	9.000	GND	N	10.3	17.0	46.0
0.901500	26.7	10000.0	9.000	GND	N	10.4	19.3	46.0
12.592500	30.9	10000.0	9.000	GND	N	10.9	19.1	50.0

Charging Mode+ CAMERA, Set.3

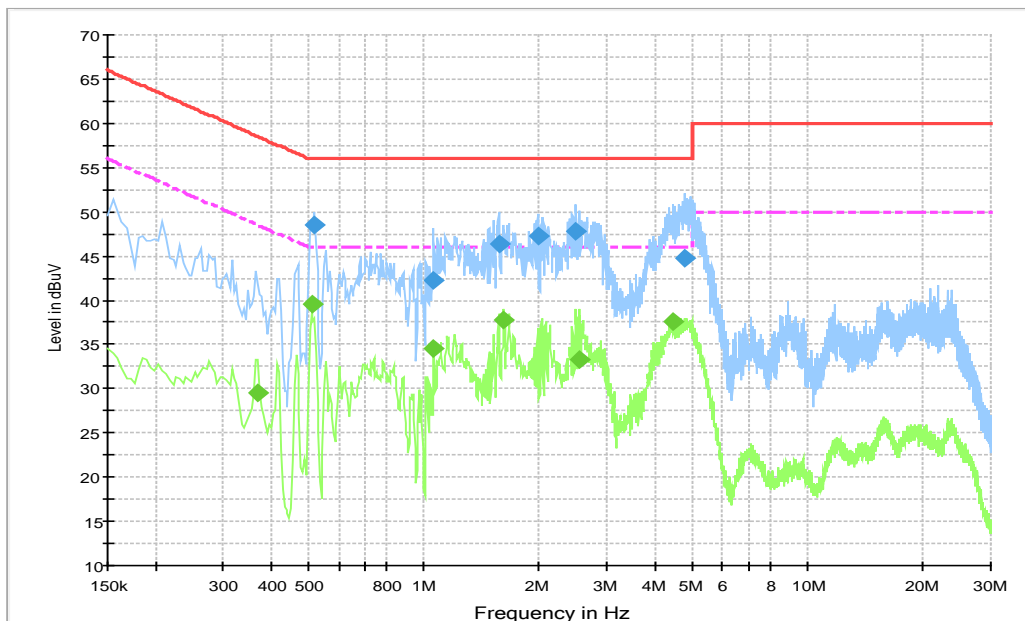


Figure A.12 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.519000	48.5	10000.0	9.000	GND	L1	10.3	7.5	56.0
1.059000	42.2	10000.0	9.000	GND	L1	10.4	13.8	56.0
1.567500	46.3	10000.0	9.000	GND	L1	10.4	9.7	56.0
1.981500	47.2	10000.0	9.000	GND	L1	10.4	8.8	56.0
2.490000	47.8	10000.0	9.000	GND	L1	10.4	8.2	56.0
4.780500	44.7	10000.0	9.000	GND	L1	10.6	11.3	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.370500	29.6	10000.0	9.000	GND	L1	10.3	18.9	48.5
0.510000	39.5	10000.0	9.000	GND	L1	10.3	6.5	46.0
1.063500	34.6	10000.0	9.000	GND	L1	10.4	11.4	46.0
1.617000	37.8	10000.0	9.000	GND	L1	10.4	8.2	46.0
2.535000	33.3	10000.0	9.000	GND	L1	10.4	12.7	46.0
4.447500	37.6	10000.0	9.000	GND	L1	10.5	8.4	46.0

ANNEX B: Persons involved in this testing

Test Item	Tester
Radiated Emission	Zhao Wenhui
Conducted Emission	Li Zongliang

END OF REPORT