



TEST REPORT

No. I21Z70460-EMC01

for

Samsung Electronics Co., Ltd.

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

Model Name: SM-A035F/DS, SM-A035F

FCC ID: ZCASMA035F

with

Hardware Version: REV1.0

Software Version: A035F.001

Issued Date: 2021-11-22

Note:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21Z70460-EMC01	Rev.0	1 st edition	2021-11-22

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

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. GENERAL DESCRIPTION	8
3.5. EUT SET-UPS	8
4. REFERENCE DOCUMENTS.....	9
4.1. REFERENCE DOCUMENTS FOR TESTING.....	9
5. LABORATORY ENVIRONMENT.....	10
6. SUMMARY OF TEST RESULTS.....	11
7. TEST EQUIPMENTS UTILIZED.....	12
ANNEX A: MEASUREMENT RESULTS	13
ANNEX B: PERSONS INVOLVED IN THIS TESTING	27

1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 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 (ISED#: 24849). 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, 100176, P.R. China

1.3. Testing Environment

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

1.4. Project data

Testing Start Date: 2021-11-02
Testing End Date: 2021-11-22

1.5. Signature



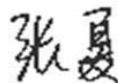
Li Yan

(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

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City: /
Postal Code: /
Country: /
Contact: Jenni Chun
Email: j1.chun@samsung.com
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2.2. Manufacturer Information

Company Name: Samsung Electronics. Co., Ltd.
Address: Samsung R5, Maetan dong 129, Samsung ro
Youngtong gu, Suwon city 443 742, Korea
City: /
Postal Code: /
Country: /
Contact: 조성훈(Sunghoon Cho)
Email: ggobi.cho@samsung.com
Telephone: +82-10-2722-4159

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-A035F/DS, SM-A035F
FCC ID	ZCASMA035F

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*	IME/SNI	HW Version	SW Version	Date of receipt
UT06a	2170460UT06a	REV1.0	A035F.001	2021.11.01

*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	Adapter1	/	/
AE2	Adapter2	/	/
AE3	Adapter3	/	/
AE4	Adapter4	/	/
AE5	Adapter5	/	/
AE6	Adapter6	/	/
AE7	Adapter7	/	/
AE8	Adapter8	/	/
AE9	USB Cable	/	/
AE10	Headset1	/	/
AE11	Headset2	/	/
AE12	Battery1	/	/
AE13	Battery2	/	/

AE1

Model	EP-TA50JWS
Manufacturer	RFTECH Co., Ltd.
Length of cable	/

AE2

Model	EP-TA50JWS
Manufacturer	HAMEN
Length of cable	/

AE3

Model	EP-TA50EWE
Manufacturer	DY
Length of cable	/



AE4		
Model	EP-TA50EWE	
Manufacturer	HAMEN	
Length of cable	/	
AE5		
Model	EP-TA50EWE	
Manufacturer	Salcomp	
Length of cable	/	
AE6		
Model	EP-TA50UWE	
Manufacturer	DY	
Length of cable	/	
AE7		
Model	EP-TA50UWE	
Manufacturer	HAMEN	
Length of cable	/	
AE8		
Model	EP- TA50UWE	
Manufacturer	Salcomp	
Length of cable	/	
AE9		
Model	ECB-DU68WE	
Manufacturer	Samsung Electronics Co., Ltd.	
Length	/	/
AE10		
Model	EHS61ASFWE	
Manufacturer	CRESYN HANOI Co., Ltd	
Length	/	
AE11		
Model	EHS61ASFWE	
Manufacturer	DONGGUAN YOUNGBO ELECTRONICS CO.,LTD	
Length	/	
AE12		
TYPE	Secondary Li-ion Battery	
SN	HQ-50SD	
Manufacturer	SCUD (Fujian) Electronics CO.,LTD	
AE13		
TYPE	Secondary Li-ion Battery	
SN	HQ-50N	
Manufacturer	SCUD (Fujian) Electronics CO.,LTD	

Note: The USB cables are shielded.

3.4. General Description

The device contains receivers which tune and operate between 30MHz-960MHz in the following bands: GSM850, WCDMA BAND 5, and LTE BAND 5.

3.5. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	UT06a + AE1 + AE9 + AE10	Adapter1+ R Camera+ Headset1
Set.2	UT06a + AE2 + AE9	Adapter2+ F Camera
Set.3	UT06a + AE3 + AE9 + AE11	Adapter3+ FM+ Headset2
Set.4	UT06a + AE4 + AE9 + AE10	Adapter4+ FM+ Headset1
Set.5	UT06a + AE5 + AE9	Adapter5+ MP3+ RX mode
Set.6	UT06a + AE6 + AE9	Adapter6+ RX mode
Set.7	UT06a + AE7 + AE9 + AE10	Adapter7+ RX mode
Set.8	UT06a + AE8 + AE9 + AE11	Adapter8+ R Camera +RX mode
Set.9	UT06a + AE9 + AE10	USB SD TO PC + Headset1+FM
Set.10	UT06a + AE9 + AE11	USB PC TO SD + Headset2 + RX mode

Note: All the set-ups above were tested but only the worst test data of worst set-up showed in this report.

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-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 6000 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(BDA)
2	Conducted Emission	15.107(a)	A.2	P	CTTL(BDA)

Note: The only difference between SM-A035F/DS and SM-A035F is Dual SIM slot rack and Single SIM slot rack, the tests were performed on SM-A035F/DS and SM-A035F shared the SM-A035F/DS results.

7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	Test Receiver	ESU26	100376	R&S	2022-09-15	1 year
2	Test Receiver	ESCI	100766	R&S	2022-03-09	1 year
3	LISN	ENV216	101459	R&S	2022-03-22	1 year
4	BiLog Antenna	VULB9163	9163-514	Schwarzbeck	2022-03-22	1 year
5	EMI Antenna	3117	00119024	ETS-Lindgren	2022-04-11	1 year
6	Universal Radio Communication Tester	CMW500	159408	R&S	2022-03-08	1 year
7	Signal Generator	SMBV100A	R&S	260613	2022-01-06	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
11	PC	M4000e-17	M706RMW2	Lenovo	N/A	N/A

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 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, charging mode, MP4, MP3, CAMERA, FM, SD and License RX band 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 the Section 3.4, are investigated. Only the worst case emissions are reported.

The FM radio mode radiated testing was performed with the Low/Mid/High channel. Only the worst cases 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.

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 (worst case): 30MHz-1GHz: 5.40dB, 1GHz-18GHz: 4.32dB, $k=2$.

Note: all the set-up lists in section 3.5 were tested and only the worst test data of worst set-up showed in this section.

Measurement results for Set.1:

Adapter1+ Headset1+ Rear Camera /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)
17594.000	43.42	-16.7	40.6	19.49	54.0	10.6	V
17595.000	43.28	-16.7	40.6	19.32	54.0	10.7	V
17597.500	43.17	-16.6	40.6	19.16	54.0	10.8	V
17589.500	43.14	-16.8	40.6	19.32	54.0	10.9	V
17592.500	43.10	-16.7	40.6	19.20	54.0	10.9	V
17590.500	43.10	-16.8	40.6	19.25	54.0	10.9	V

Adapter1+ Headset1+ Rear Camera /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)
16996.000	55.8	-18.1	41.2	32.63	74.0	18.2	V
16792.000	55.6	-18.3	41.2	32.73	74.0	18.4	V
17645.500	55.1	-17.5	40.6	32.03	74.0	18.9	V
17481.000	55.0	-17.7	40.7	31.99	74.0	19.0	V
16653.000	55.0	-18.2	41.2	32.00	74.0	19.0	H
16669.500	55.0	-18.2	41.2	31.96	74.0	19.0	V

Measurement results for Set.4

Adapter4+ Headset1+FM/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)
17604.500	43.20	-16.6	40.6	19.22	54.0	10.8	V
17592.500	43.19	-16.7	40.6	19.30	54.0	10.8	H
17591.000	43.09	-16.8	40.6	19.23	54.0	10.9	V
17592.000	43.08	-16.7	40.6	19.19	54.0	10.9	V
17590.500	43.06	-16.8	40.6	19.22	54.0	10.9	V
17593.000	43.06	-16.7	40.6	19.15	54.0	10.9	V

Adapter4+ Headset1+FM /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)
17605.500	55.5	-16.7	40.6	31.52	74.0	18.5	V
16364.000	55.1	-17.9	41.1	31.97	74.0	18.9	V
16943.000	55.0	-17.9	41.2	31.73	74.0	19.0	V
17590.000	55.0	-16.8	40.6	31.15	74.0	19.0	V
17595.000	55.0	-16.7	40.6	31.01	74.0	19.0	H
17030.000	54.9	-18.1	41.2	31.87	74.0	19.1	V

Measurement results for Set.10:
USB (SD) mode+ Headset2+RX LTEB5 /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)
17600.000	43.01	-16.5	40.6	18.93	54.0	11.0	V
17592.000	42.92	-16.7	40.6	19.04	54.0	11.1	V
17593.000	42.87	-16.7	40.6	18.96	54.0	11.1	V
17599.000	42.79	-16.6	40.6	18.74	54.0	11.2	V
17596.500	42.78	-16.6	40.6	18.78	54.0	11.2	V
17583.000	42.76	-17.0	40.6	19.10	54.0	11.2	V

USB (SD) mode + Headset2+ RX LTEB5 /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)
17196.000	55.2	-18.1	41.0	32.28	74.0	18.8	V
17044.500	55.1	-18.1	41.2	32.07	74.0	18.9	V
17029.000	55.0	-18.1	41.2	31.95	74.0	19.0	H
17581.500	54.9	-17.0	40.6	31.31	74.0	19.1	H
17627.000	54.9	-17.1	40.6	31.47	74.0	19.1	V
17385.000	54.9	-17.3	40.8	31.39	74.0	19.1	H

Adapter1+ Headset1+ Rear Camera, Set.1

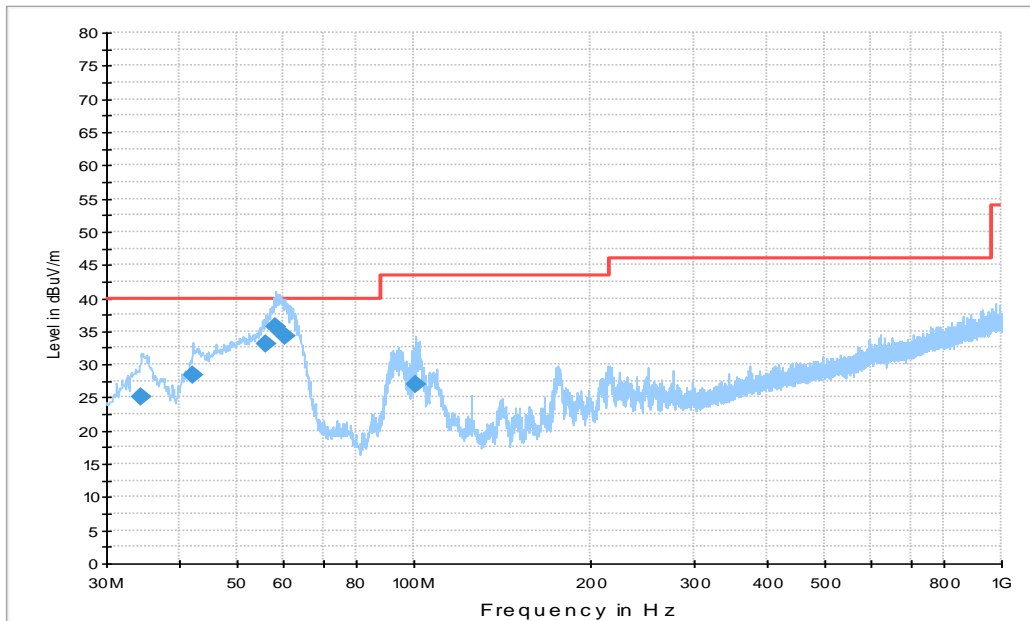


Figure A.1 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
34.365000	25.1	113.0	V	285.0	-0.7	14.9	40.0
42.125000	28.3	100.0	V	90.0	0.2	11.7	40.0
55.996000	33.0	100.0	V	225.0	-0.2	7.0	40.0
58.324000	35.7	100.0	V	15.0	-0.3	4.3	40.0
60.264000	34.3	100.0	V	30.0	-0.5	5.7	40.0
100.71300	26.9	100.0	V	180.0	-0.5	16.6	43.5

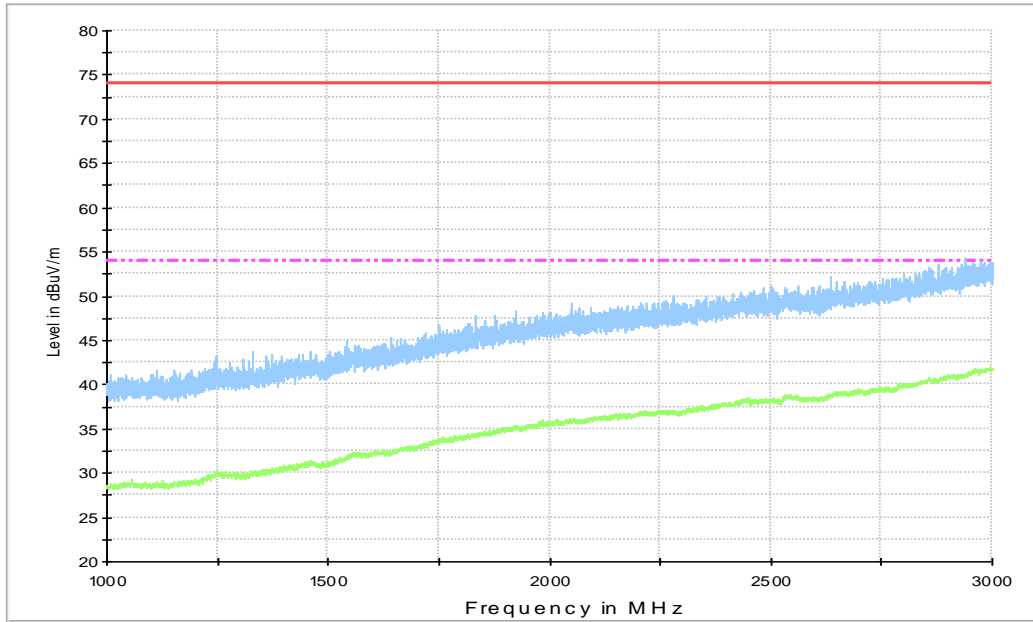


Figure A.2 Radiated Emission from 1GHz to 3GHz

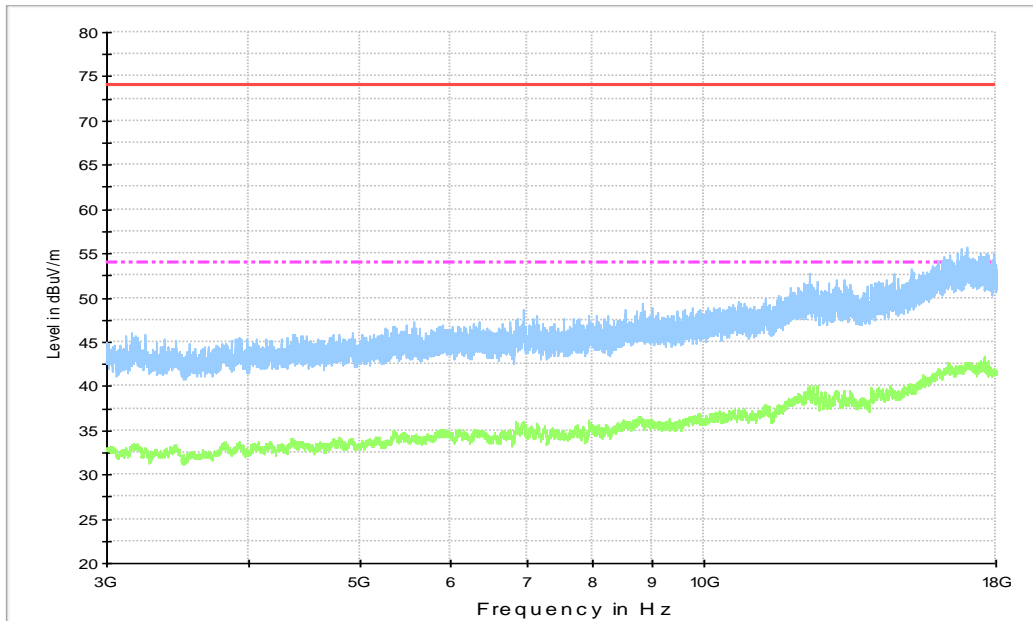


Figure A.3 Radiated Emission from 3GHz to 18GHz

Adapter4+ Headset1+ FM, Set.4

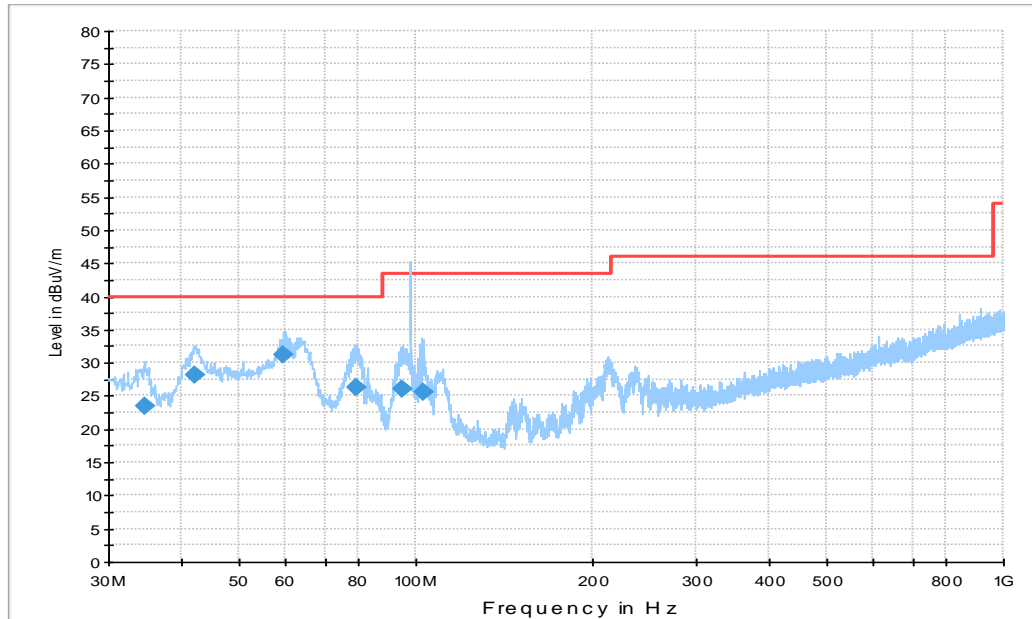


Figure A.4 Radiated Emission from 30MHz to 1GHz

Note: the spike over the limit is coming from the FM signal source.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
34.559000	23.4	112.0	V	-45.0	-0.6	16.6	40.0
42.222000	28.1	100.0	V	90.0	0.2	11.9	40.0
59.488000	31.1	100.0	V	105.0	-0.4	8.9	40.0
79.373000	26.2	125.0	V	164.0	-5.8	13.8	40.0
94.893000	26.1	100.0	V	239.0	-1.7	17.4	43.5
102.75000	25.5	113.0	V	270.0	-0.7	18.0	43.5

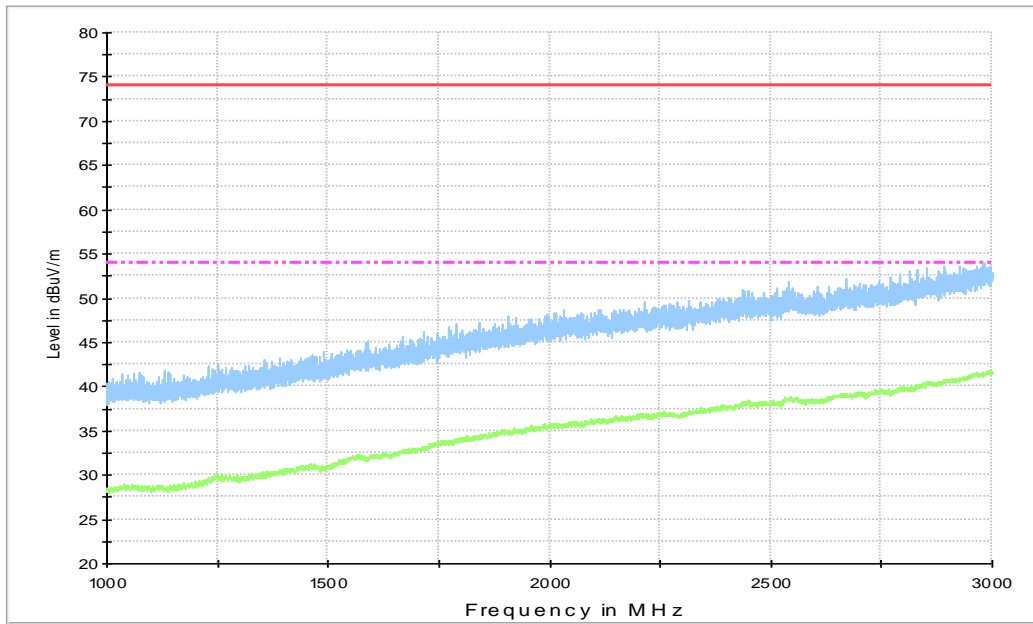


Figure A.5 Radiated Emission from 1GHz to 3GHz

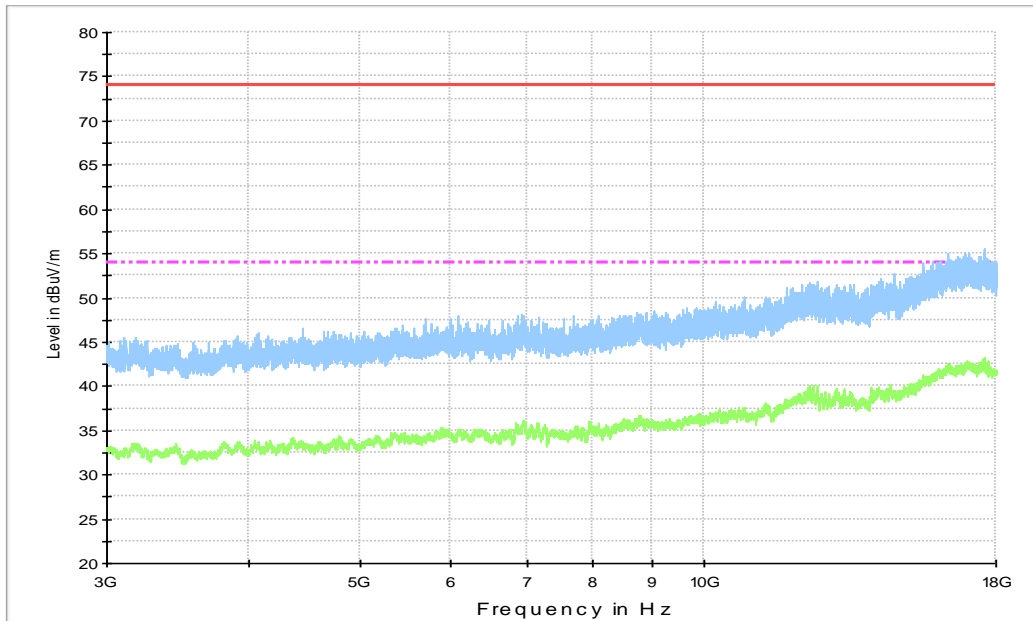


Figure A.6 Radiated Emission from 3GHz to 18GHz

USB (SD) mode+ Headset2+LTE B5, Set.10

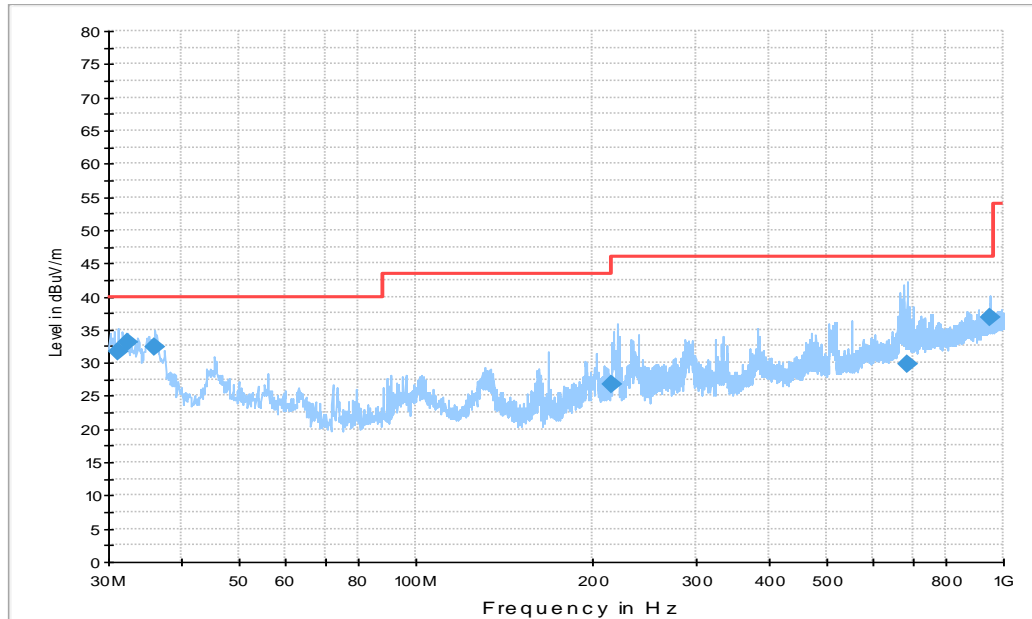


Figure A.7 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
31.164000	31.7	113.0	V	300.0	-1.1	8.3	40.0
32.231000	33.1	100.0	V	270.0	-1.0	6.9	40.0
36.014000	32.5	100.0	V	315.0	-0.4	7.5	40.0
215.65800	26.8	112.0	H	0.0	-0.9	16.7	43.5
685.13800	29.9	100.0	V	30.0	8.9	16.1	46.0
949.26900	36.9	100.0	H	74.0	12.5	9.1	46.0

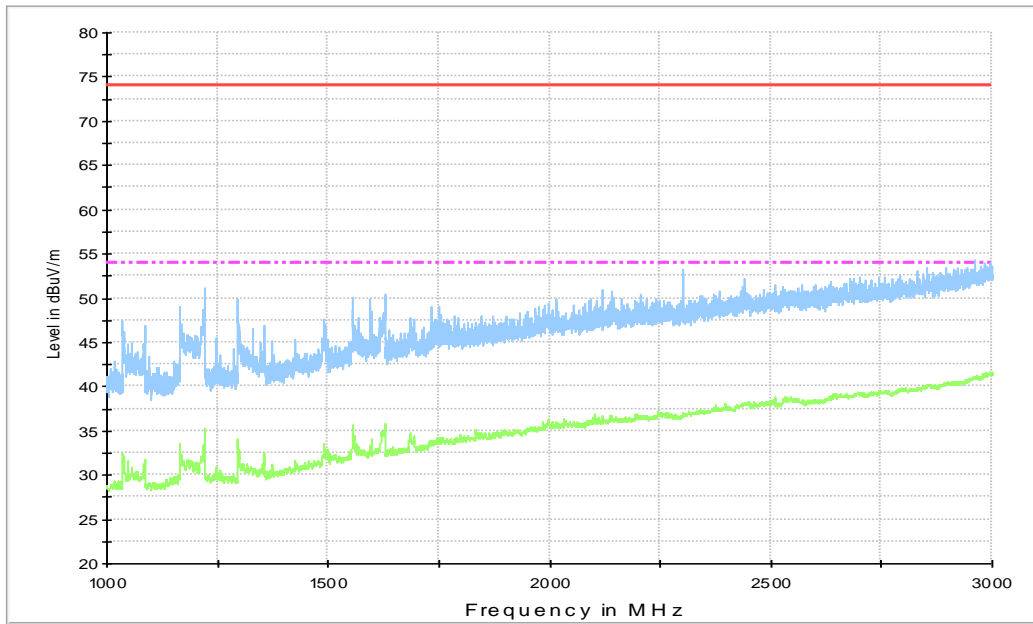


Figure A.8 Radiated Emission from 1GHz to 3GHz

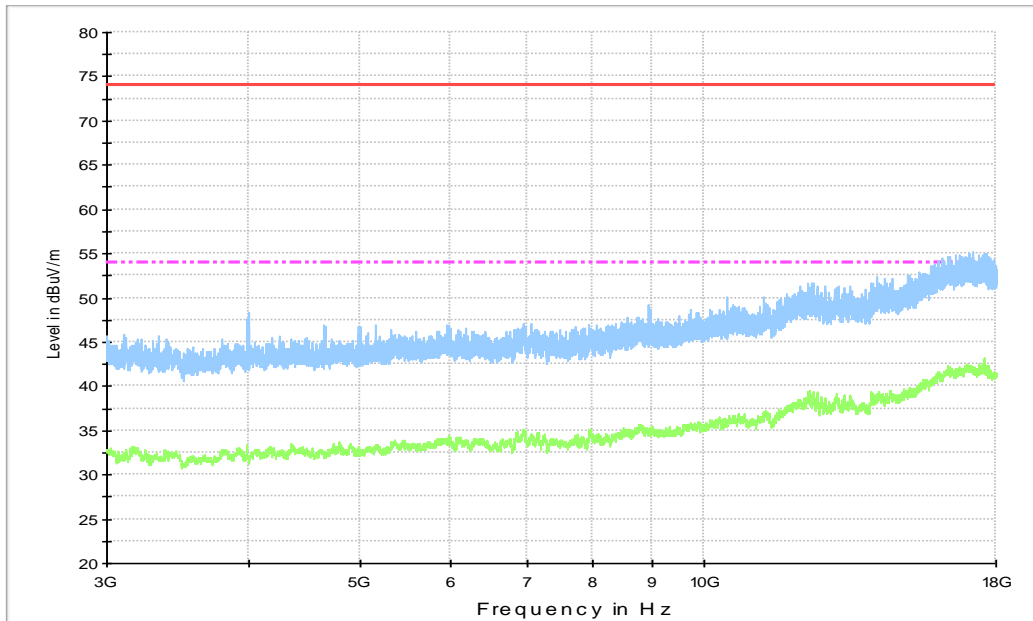


Figure A.9 Radiated Emission from 3GHz to 18GHz

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, charging mode, MP4, CAMERA and SD mode.

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: $U= 3.10 \text{ dB}$, $k=2$.

Note: all the set-up lists in section 3.5 were tested and only the worst test data of worst set-up showed in this section.

Set.3

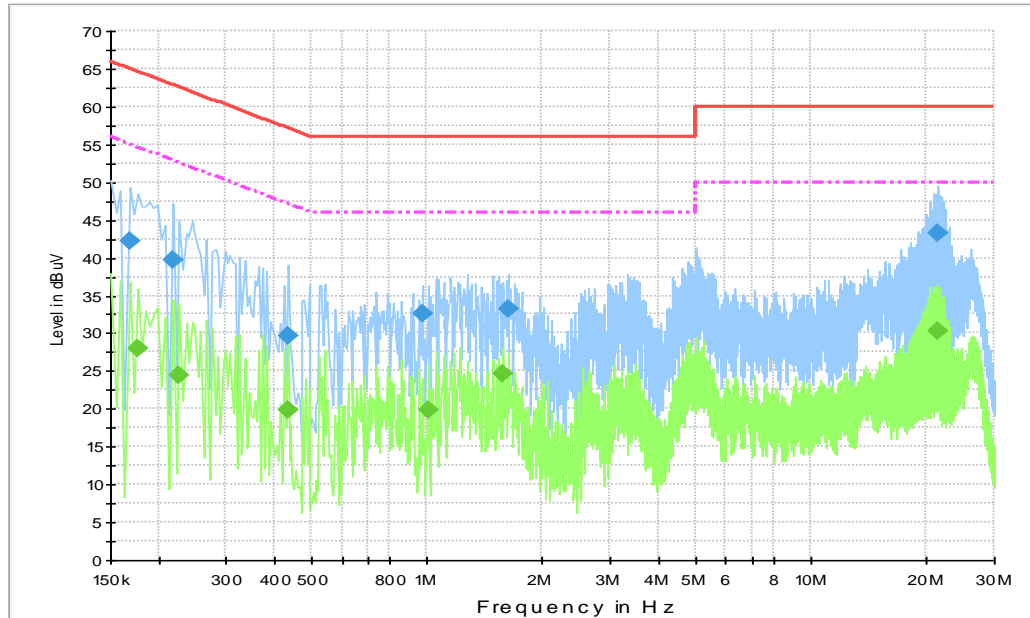


Figure A.10 Conducted Emission

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.168000	42.1	5000.0	9.000	On	L1	20.1	22.9	65.1
0.217500	39.7	5000.0	9.000	On	N	19.9	23.3	62.9
0.433500	29.6	5000.0	9.000	On	L1	19.9	27.6	57.2
0.973500	32.7	5000.0	9.000	On	N	19.8	23.3	56.0
1.630500	33.3	5000.0	9.000	On	L1	19.7	22.7	56.0
21.331500	43.3	5000.0	9.000	On	N	19.9	16.7	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.177000	28.1	5000.0	9.000	On	N	20.1	26.5	54.6
0.226500	24.5	5000.0	9.000	On	N	19.9	28.1	52.6
0.433500	19.9	5000.0	9.000	On	N	19.9	27.3	47.2
1.005000	19.8	5000.0	9.000	On	N	19.7	26.2	46.0
1.581000	24.7	5000.0	9.000	On	L1	19.7	21.4	46.0
21.300000	30.3	5000.0	9.000	On	N	19.9	19.7	50.0

Set.7

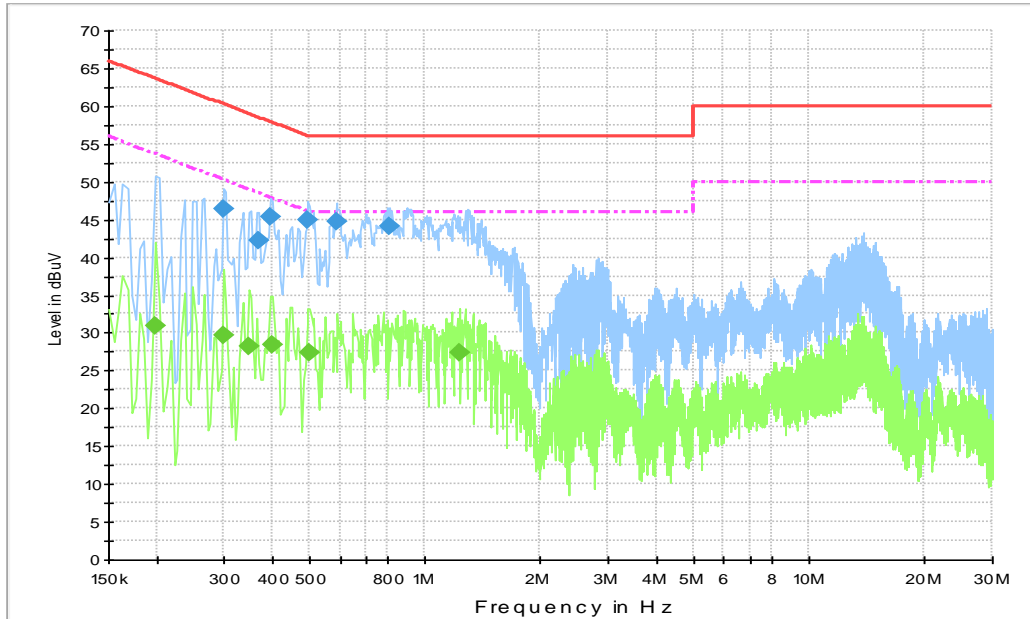


Figure A.11 Conducted Emission

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.298500	46.3	5000.0	9.000	On	N	19.9	14.0	60.3
0.370500	42.1	5000.0	9.000	On	L1	19.9	16.4	58.5
0.397500	45.3	5000.0	9.000	On	N	19.9	12.6	57.9
0.496500	44.9	5000.0	9.000	On	N	19.9	11.2	56.1
0.586500	44.7	5000.0	9.000	On	L1	19.8	11.3	56.0
0.811500	44.1	5000.0	9.000	On	N	19.8	11.9	56.0

Final Result 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.199500	31.0	5000.0	9.000	On	N	19.9	22.6	53.6
0.298500	29.7	5000.0	9.000	On	N	19.9	20.6	50.3
0.348000	28.2	5000.0	9.000	On	N	19.8	20.8	49.0
0.402000	28.4	5000.0	9.000	On	N	19.9	19.4	47.8
0.501000	27.5	5000.0	9.000	On	L1	19.9	18.5	46.0
1.230000	27.3	5000.0	9.000	On	L1	19.7	18.7	46.0

USB (SD) mode, Set.10

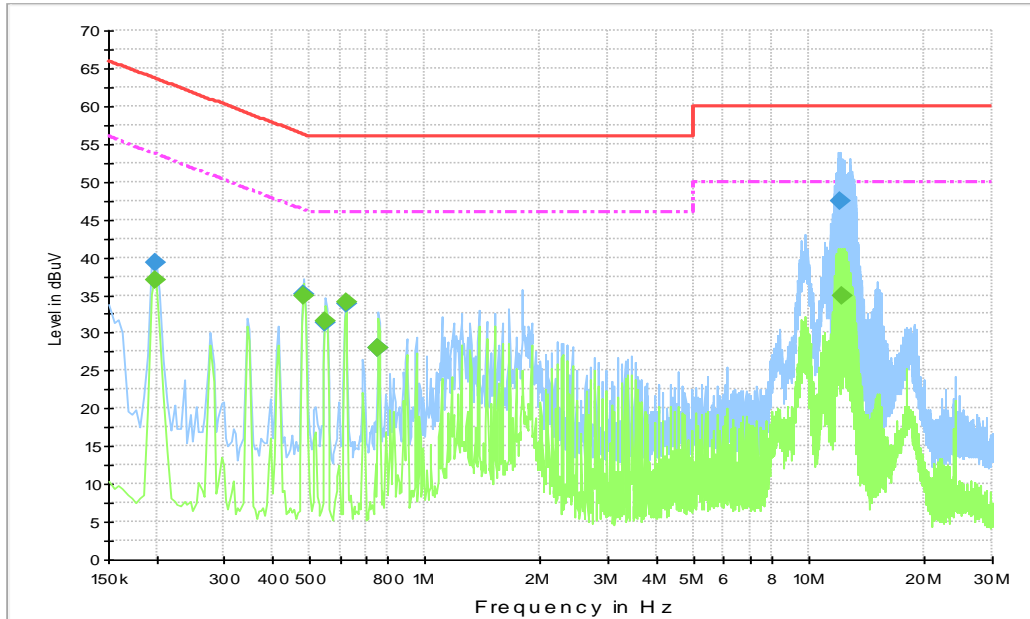


Figure A.12 Conducted Emission

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.199500	39.3	5000.0	9.000	On	L1	19.9	24.3	63.6
0.483000	35.1	5000.0	9.000	On	N	19.9	21.2	56.3
0.550500	31.4	5000.0	9.000	On	L1	19.9	24.6	56.0
0.622500	33.9	5000.0	9.000	On	L1	19.8	22.1	56.0
0.757500	28.0	5000.0	9.000	On	N	19.8	28.0	56.0
12.102000	47.4	5000.0	9.000	On	L1	19.8	12.6	60.0

Final Result 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.199500	36.9	5000.0	9.000	On	L1	19.9	16.7	53.6
0.483000	34.9	5000.0	9.000	On	N	19.9	11.4	46.3
0.550500	31.6	5000.0	9.000	On	L1	19.9	14.4	46.0
0.622500	34.2	5000.0	9.000	On	L1	19.8	11.8	46.0
0.757500	28.0	5000.0	9.000	On	N	19.8	18.0	46.0
12.250500	34.9	5000.0	9.000	On	N	19.8	15.1	50.0



ANNEX B: Persons involved in this testing

Test Item	Tester
Radiated Emission	Li Zongliang
Conducted Emission	Guo Qian

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