FCC PART 15B
TEST REPORT

No. I20Z61810-EMC01

for

TCL Communication Ltd.

GSM/UMTS/LTE Mobile phone

Model Name: T671E

FCC ID: 2ACCJH134

with

Hardware Version: PIO2

Software Version: 2B23

Issued Date: 2020-12-01

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

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

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I20Z61810-EMC01	Rev.0	1st edition	2020-12-01

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

CONTENTS

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. China 100191

1.3. Testing Environment

Normal Temperature: 15-35° C

Relative Humidity: 20-75%

1.4. Project data

Testing Start Date: 2020-11-20

Testing End Date: 2020-11-27

1.5. Signature

Wang Xue

(Prepared this test report)

Zhang Ying

(Reviewed this test report)

Zhang Xia

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact Person	Gong Zhizhou
Contact Email	zhizhou.gong@tcl.com
Telephone:	0086-755-36611722
Fax:	0086-755-36612000-81722

2.2. Manufacturer Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact Person	Gong Zhizhou
Contact Email	zhizhou.gong@tcl.com
Telephone:	0086-755-36611722
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	T671E
FCC ID	2ACCJH134
Extreme vol. Limits	3.5VDC to 4.4VDC (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
17a	354806760200271	PIO2	2B23

*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	/	/
AE2	Battery	/	/
AE3	Charger1	/	/
AE4	Charger2	/	/
AE5	Charger3	/	/
AE6	Charger4	/	/
AE7	Data Cable1	/	/
AE8	Data Cable2	/	/
AE9	Headset1	/	/
AE10	Headset2	/	/

AE1

Model	CAC4850002C7
Manufacturer	VK
Capacity	5000mAh
Nominal Voltage	/

AE2

Model	CAC4850000C1
Manufacturer	BYD
Capacity	5000mAh
Nominal Voltage	/

AE3

Model	CBA0059BGTC5 MOU
Manufacturer	PUAN

AE4

Model	CBA0059BGTC7 MOU
Manufacturer	Chenyang

AE5

Model	CBA0064BGTC1 Quick charger
Manufacturer	BYD

AE6

Model	CBA0064BGTC5 Quick charger
Manufacturer	PUAN

AE7

Model	CDA0000128C2
Manufacturer	SHENGHUA
Length of cable	/

AE8

Model	CDA0000128C1
Manufacturer	JUWEI
Length of cable	/

AE9

Model	CCB0070B10C1 Reach WH35
Manufacturer	JUWEI
Length of cable	/

AE10

Model	CCB0049A10C1 Reach WH15+
Manufacturer	JUWEI
Length of cable	/

*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.1	UT17a + AE1/AE2 + AE3+ AE7/AE8	Charger1+ Camera+LTE Band5
Set.2	UT17a + AE1/AE2 + AE4+ AE7/AE8	Charger2+MP3+WCDMA Band 5
Set.3	UT17a + AE1/AE2 + AE5+ AE7/AE8	Charger3+Front camera+GSM850
Set.4	UT17a + AE1/AE2 + AE6+ AE7/AE8+AE9/AE10	Charger4+FM+Headset
Set.5	UT17a + AE1/AE2 + AE7/AE8	USB SD TO PC +MP3

Note:

The device supports GSM/GPRS/EGPRS 850/1900/900/1800, UMTS FDD Band1/2/4/5/8; LTE FDD Band 1/2/3/4/5/7/8/12/13/17/26/28/66. It has WLAN (802.11b/g/n, 802.11n supports 20MHz and 40MHz bandwidth),Bluetooth(EDR,BLE) and GNSS(GPS&GLONASS&BDS& GALILEO) functions.

The device contains receivers which tune and operate between 30MHz-960MHz in the following bands: GSM850, WCDMA850 and LTE Band 5. All licensed band receivers that tune in the range of 30MHz-960MHz are investigated.

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 (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
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 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

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

7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	Test Receiver	ESU26	100235	R&S	2021-03-03	1 Year
2	LISN	ENV216	101200	R&S	2021-05-19	1 year
3	Universal Radio Communication Tester	CMW500	116588	R&S	2020-12-05	1 year
4	Test Receiver	ESCI	100344	R&S	2021-02-26	1 Year
5	EMI Antenna	VULB 9163	01223	Schwarzbeck	2021-03-17	1 year
6	EMI Antenna	3115	6914	ETS-Lindgren	2021-01-14	1 year

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 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.

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.

The model of the PC is M4000E-17, and the serial number of the PC is M706GWXD. 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 (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.

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:

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): U = 4.74 dB, k=2.

Measurement results for Set.1:

Charging 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)
17992.067	49.3	-25.5	43.4	31.40	54	22.60	H
17996.600	48.7	-25.5	43.4	30.80	54	23.20	H
17989.233	48.4	-25.5	43.4	30.50	54	23.50	V
17983.567	47.8	-25.5	43.4	29.90	54	24.10	H
17971.100	47.7	-25.5	43.4	29.80	54	24.20	H
17997.733	47.7	-25.5	43.4	29.80	54	24.20	H

Charging 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)
17853.233	56.9	-25.7	43.4	39.24	74	34.8	H
17990.367	56.8	-25.5	43.4	38.90	74	35.1	H
17980.733	56.5	-25.5	43.4	38.60	74	35.4	V
17980.167	56.5	-25.5	43.4	38.60	74	35.4	H
17992.067	56.4	-25.5	43.4	38.50	74	35.5	H
17999.433	56.4	-25.5	43.4	38.50	74	35.5	H

Measurement results for Set.2:

Charging 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)
17894.600	48.9	-25.7	43.4	31.24	54	22.76	H
17879.867	48.3	-25.7	43.4	30.64	54	23.36	H
17975.067	48.2	-25.5	43.4	30.30	54	23.70	V
17960.333	48.1	-25.5	43.4	30.20	54	23.80	H
17985.833	48.1	-25.5	43.4	30.20	54	23.80	H
17965.433	47.9	-25.5	43.4	30.00	54	24.00	H

Charging 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)
17991.500	57.6	-25.5	43.4	39.70	74	34.3	H
17915.000	56.4	-25.5	43.4	38.50	74	35.5	H
17931.433	56.4	-25.5	43.4	38.50	74	35.5	V
17960.333	56.1	-25.5	43.4	38.20	74	35.8	H
17968.267	56.1	-25.5	43.4	38.20	74	35.8	H
17909.333	56.1	-25.7	43.4	38.44	74	35.6	H

Measurement results for Set. 3:

Charging 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)
17998.300	48.7	-25.5	43.4	30.80	54	23.20	H
17941.067	48.3	-25.5	43.4	30.40	54	23.60	H
17969.967	48.2	-25.5	43.4	30.30	54	23.70	V
17967.133	47.9	-25.5	43.4	30.00	54	24.00	H
17958.067	47.9	-25.5	43.4	30.00	54	24.00	H
17983.567	47.8	-25.5	43.4	29.90	54	24.10	H

Charging 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)
17986.400	56.8	-25.5	43.4	38.90	74	35.1	H
17941.067	56.6	-25.5	43.4	38.70	74	35.3	H
17934.833	56.3	-25.5	43.4	38.40	74	35.6	V
17687.767	56.3	-26.9	43.4	39.75	74	34.2	H
17966.567	56.2	-25.5	43.4	38.30	74	35.7	H
17984.133	56.2	-25.5	43.4	38.30	74	35.7	H

Measurement results for Set.4:

Charging 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)
17951.833	48.4	-25.5	43.4	30.50	54	23.50	H
17969.967	48.3	-25.5	43.4	30.40	54	23.60	H
17981.867	48.0	-25.5	43.4	30.10	54	23.90	V
17892.333	48.0	-25.7	43.4	30.34	54	23.66	H
17990.933	48.0	-25.5	43.4	30.10	54	23.90	H
17886.100	48.0	-25.7	43.4	30.34	54	23.66	H

U Charging 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)
17911.600	58.7	-25.7	43.4	41.04	74	33.0	H
17867.400	56.6	-25.7	43.4	38.94	74	35.1	H
17898.567	56.3	-25.7	43.4	38.64	74	35.4	V
17990.933	56.3	-25.5	43.4	38.40	74	35.6	H
17949.567	56.3	-25.5	43.4	38.40	74	35.6	H
17997.167	56.3	-25.5	43.4	38.40	74	35.6	H

Measurement results for Set.5:

USB 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)
17975.633	48.7	-25.5	43.4	30.80	54	23.20	H
17990.367	48.4	-25.5	43.4	30.50	54	23.50	H
17961.467	48.2	-25.5	43.4	30.30	54	23.70	V
17974.500	48.1	-25.5	43.4	30.20	54	23.80	H
17986.967	48.1	-25.5	43.4	30.20	54	23.80	H
17994.900	48.1	-25.5	43.4	30.20	54	23.80	H

USB 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)
17993.767	57.3	-25.5	43.4	39.40	74	34.6	H
17980.167	56.7	-25.5	43.4	38.80	74	35.2	H
17996.033	56.3	-25.5	43.4	38.40	74	35.6	V
17932.000	56.3	-25.5	43.4	38.40	74	35.6	H
17962.033	56.3	-25.5	43.4	38.40	74	35.6	H
17969.967	56.3	-25.5	43.4	38.40	74	35.6	H

Measurement results for Set.1:

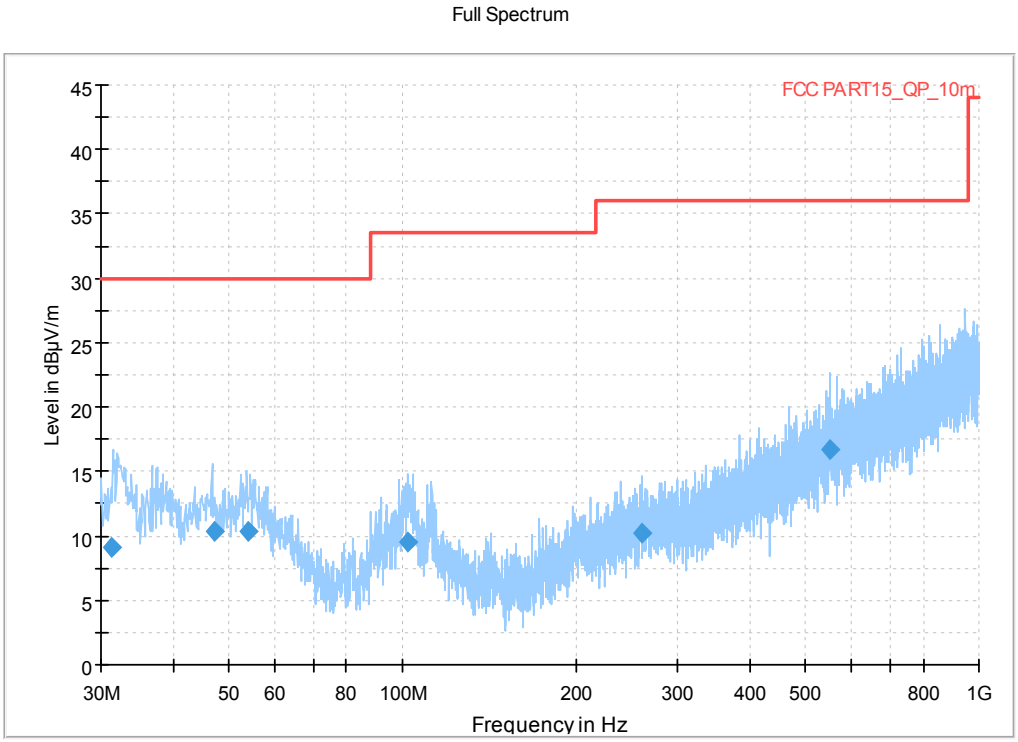

Fig A.1 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Margin (dB)	Limit (dBµV/m)	Comment
31.395000	9.11	108.0	V	9.0	20.89	30.00	
47.081000	10.41	110.0	V	210.0	19.59	30.00	
54.005000	10.34	125.0	V	120.0	19.66	30.00	
101.868000	9.57	188.0	V	-28.0	23.95	33.50	
259.682000	10.23	125.0	V	210.0	25.79	36.00	
552.077000	16.73	117.0	V	92.0	19.29	36.00	

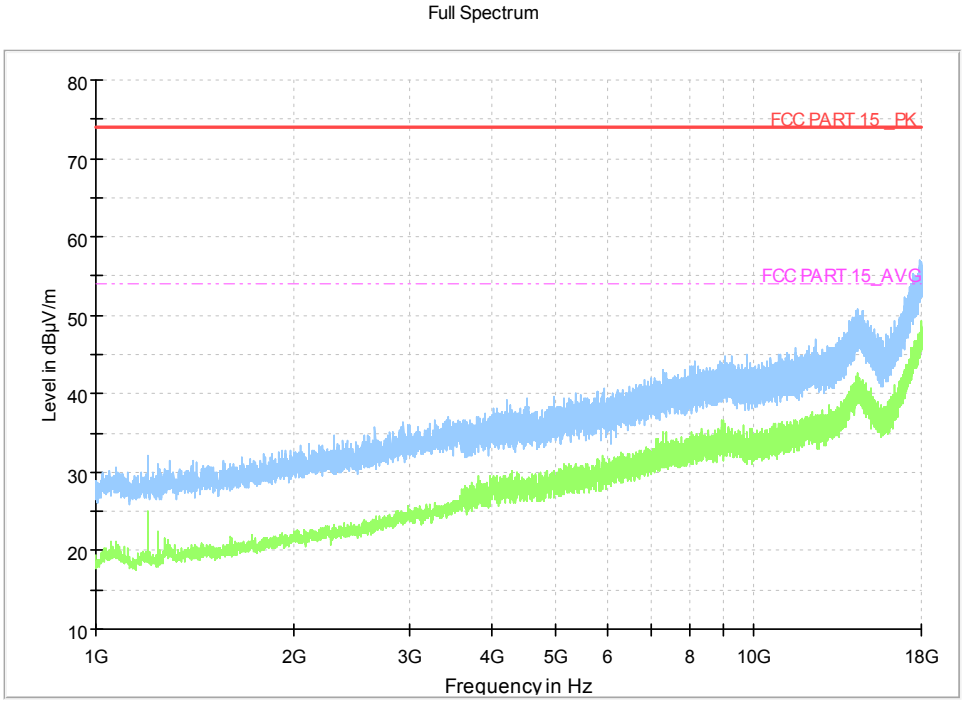

Fig A.2 Radiated Emission from 1GHz to 18GHz

Measurement results for Set. 2:

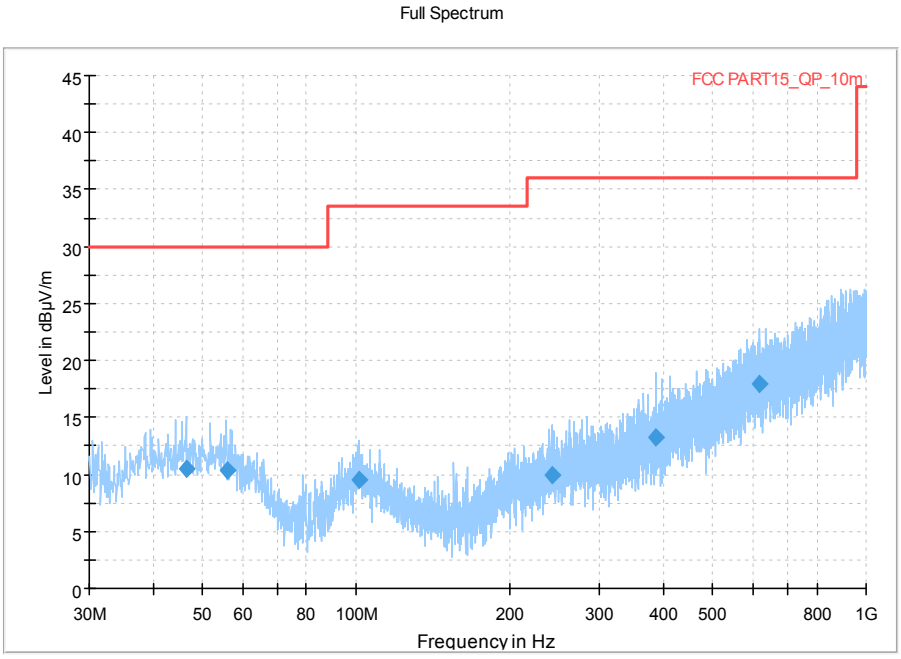

Fig A.3 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Margin (dB)	Limit (dBµV/m)	Comment
46.513000	10.47	198.0	V	-18.0	19.53	30.00	
55.825000	10.41	199.0	V	30.0	19.59	30.00	
101.424000	9.51	192.0	V	186.0	24.01	33.50	
242.134000	9.90	208.0	V	120.0	26.12	36.00	
386.383000	13.21	177.0	V	164.0	22.81	36.00	
617.848000	17.92	109.0	V	182.0	18.10	36.00	

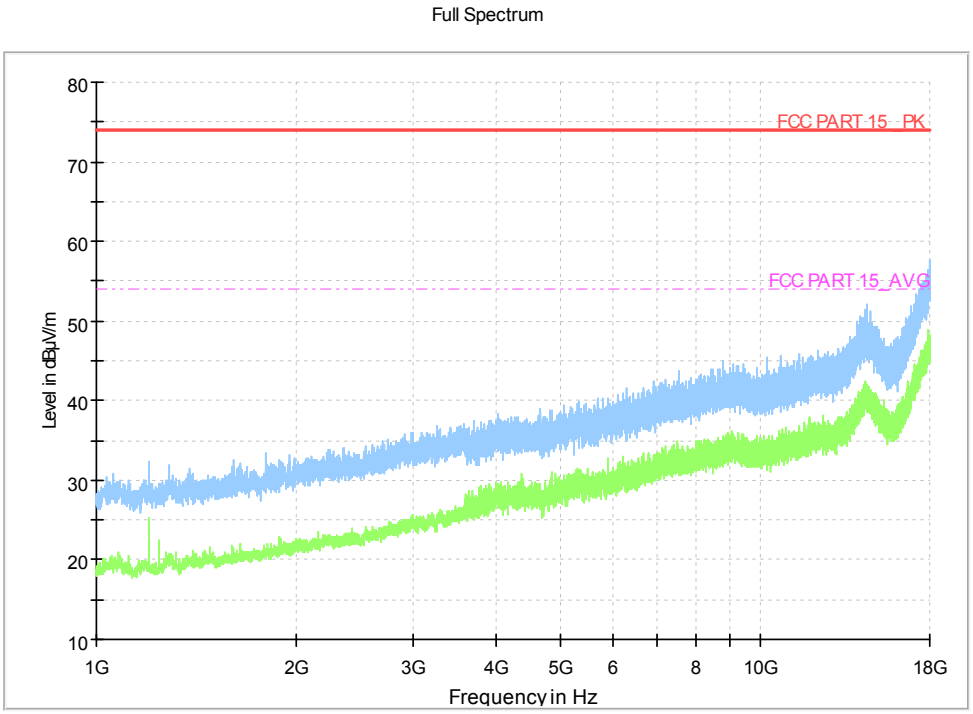

Fig A.4 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.3:

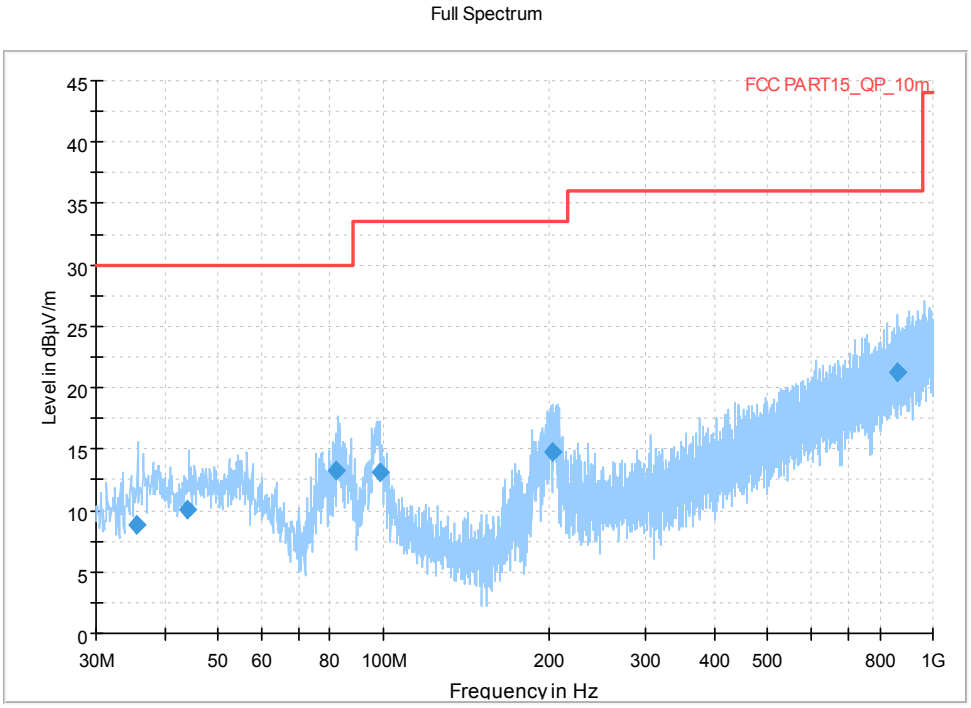

Fig A.5 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Margin (dB)	Limit (dBµV/m)	Comment
35.603000	8.90	103.0	V	111.0	21.10	30.00	
43.959000	10.10	220.0	V	-5.0	19.90	30.00	
82.034000	13.26	184.0	V	61.0	16.74	30.00	
98.616000	13.07	219.0	V	120.0	20.45	33.50	
203.676000	14.72	225.0	V	116.0	18.80	33.50	
863.466000	21.23	102.0	V	151.0	14.79	36.00	

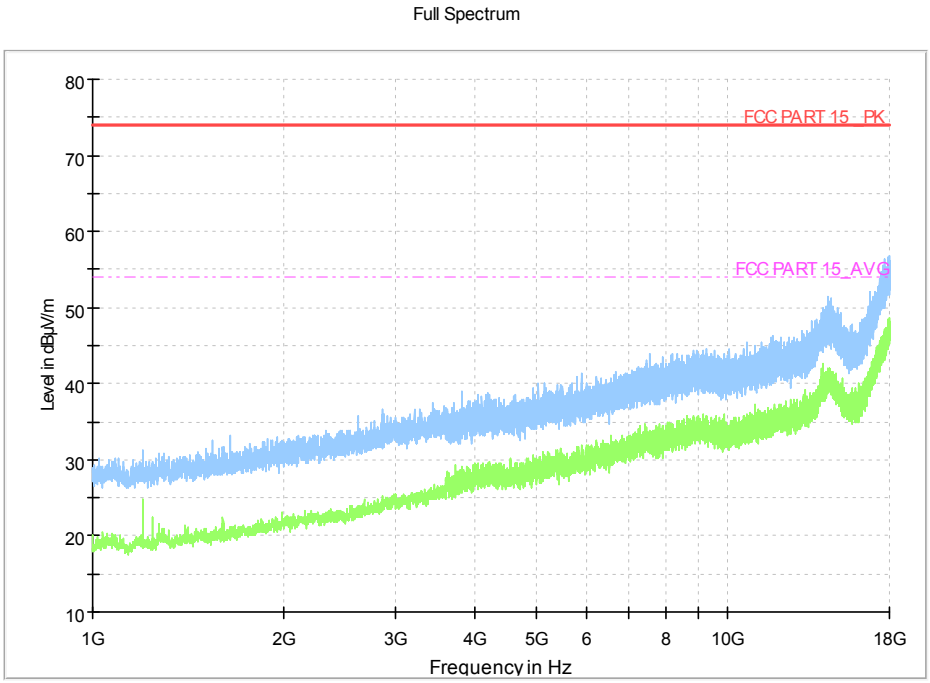

Fig A.6 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.4:

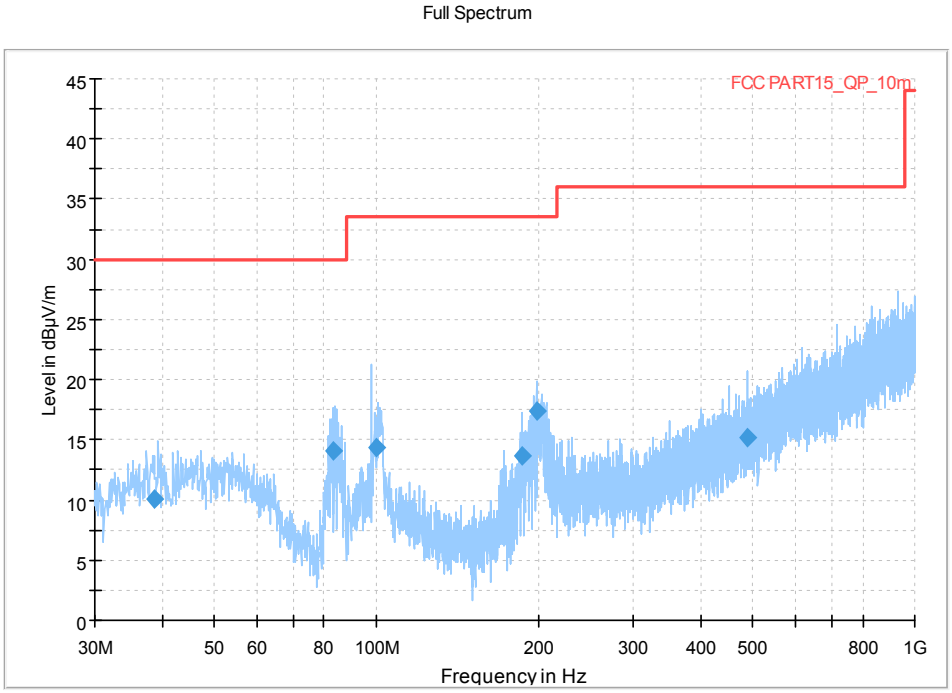

Fig A.7 Radiated Emission from 30MHz to 1GHz

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Margin (dB)	Limit (dBµV/m)	Comment
38.772000	10.04	102.0	V	96.0	19.96	30.00	
83.064000	14.06	201.0	V	-18.0	15.94	30.00	
100.330000	14.33	125.0	V	66.0	19.19	33.50	
186.590000	13.62	111.0	V	-18.0	19.90	33.50	
198.498000	17.38	102.0	V	-1.0	16.14	33.50	
488.071000	15.24	108.0	V	193.0	20.78	36.00	

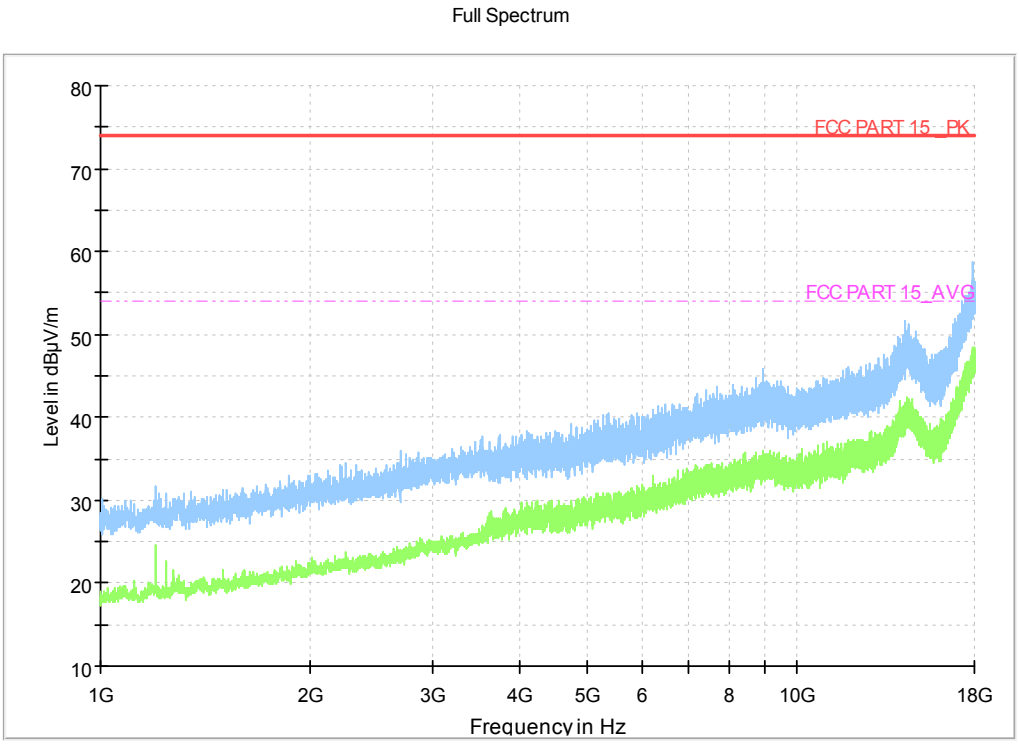

Fig A.8 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.5:

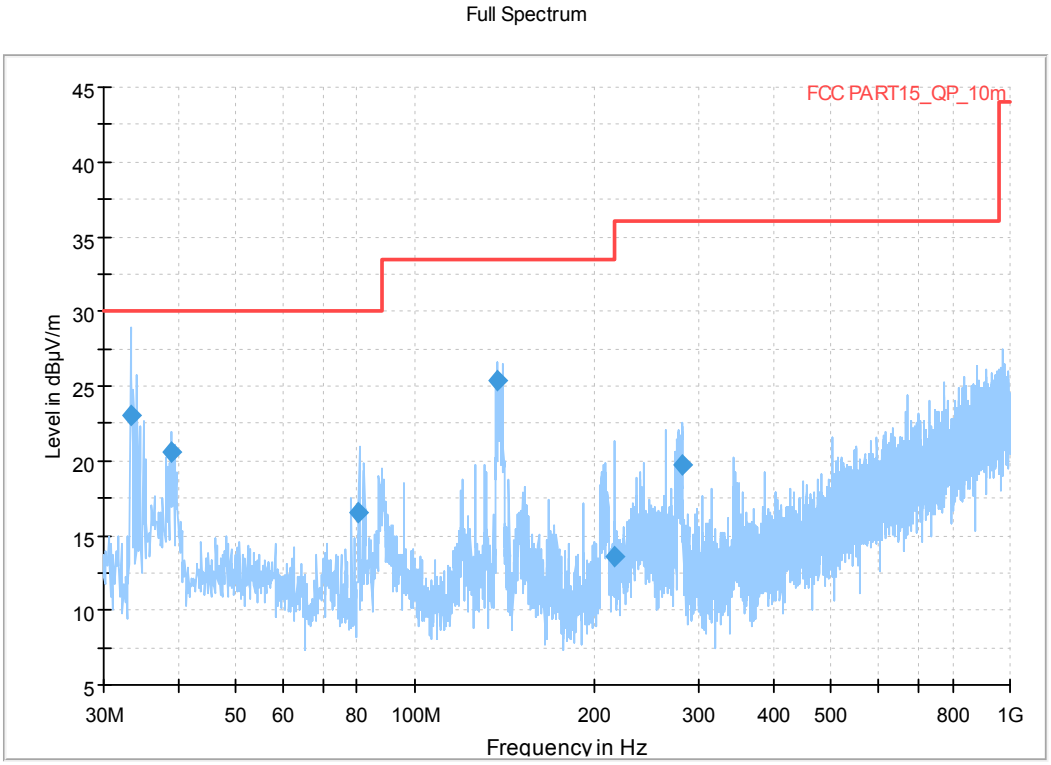

Fig A.9 Radiated Emission from 30MHz to 1GHz

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Margin (dB)	Limit (dBµV/m)	Comment
33.474000	22.98	102.0	V	60.0	7.02	30.00	
39.081000	20.61	211.0	V	25.0	9.39	30.00	
80.454000	16.56	191.0	V	-11.0	13.44	30.00	
137.767000	25.32	179.0	V	153.0	8.20	33.50	
215.986000	13.55	125.0	V	-29.0	19.97	33.50	
281.558000	19.67	100.0	V	155.0	16.35	36.00	

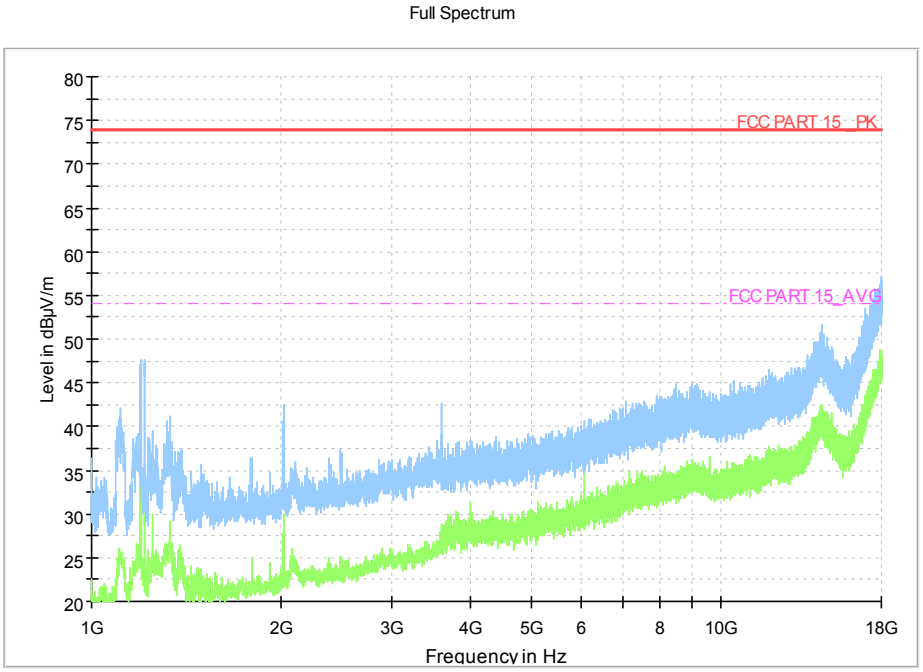

Fig A.10 Radiated Emission from 1GHz to 18GHz

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 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. The model of the PC is DELL M4000E-17, and the serial number of the PC is M706GWXD. 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 (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*= 3.1 dB, *k*=2.

Charging Mode, Set.1:

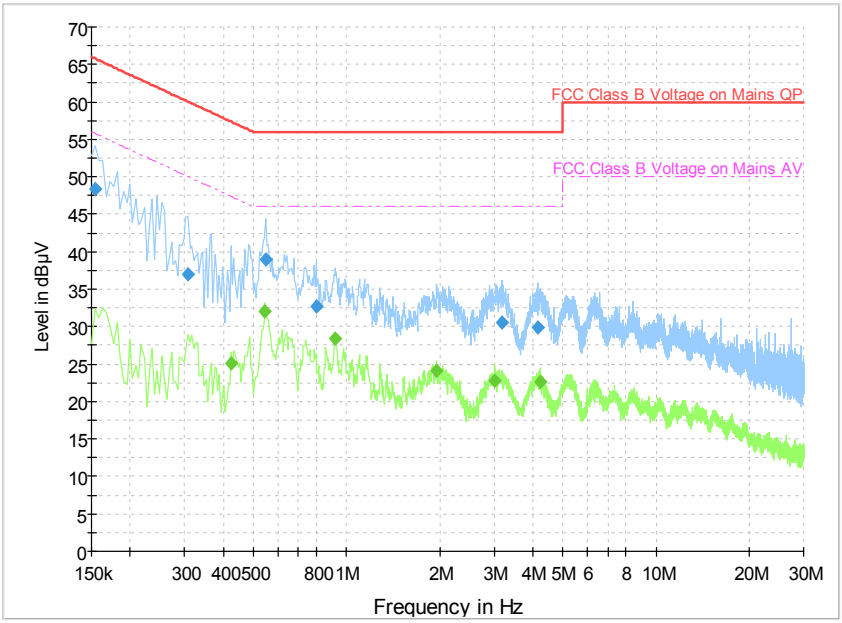

Fig A.11 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.154500	48.4	1000.0	9.000	On	L1	19.7	17.4	65.8	
0.307500	36.9	1000.0	9.000	On	N	19.6	23.1	60.0	
0.550500	39.0	1000.0	9.000	On	L1	19.6	17.0	56.0	
0.798000	32.7	1000.0	9.000	On	L1	19.6	23.3	56.0	
3.187500	30.6	1000.0	9.000	On	N	19.6	25.4	56.0	
4.141500	29.9	1000.0	9.000	On	N	19.7	26.1	56.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.424500	25.1	1000.0	9.000	On	N	19.6	22.3	47.4	
0.546000	32.0	1000.0	9.000	On	L1	19.6	14.0	46.0	
0.919500	28.4	1000.0	9.000	On	N	19.6	17.6	46.0	
1.959000	24.1	1000.0	9.000	On	N	19.5	21.9	46.0	
3.021000	22.8	1000.0	9.000	On	N	19.6	23.2	46.0	
4.218000	22.6	1000.0	9.000	On	N	19.7	23.4	46.0	

Charging Mode, Set.2:

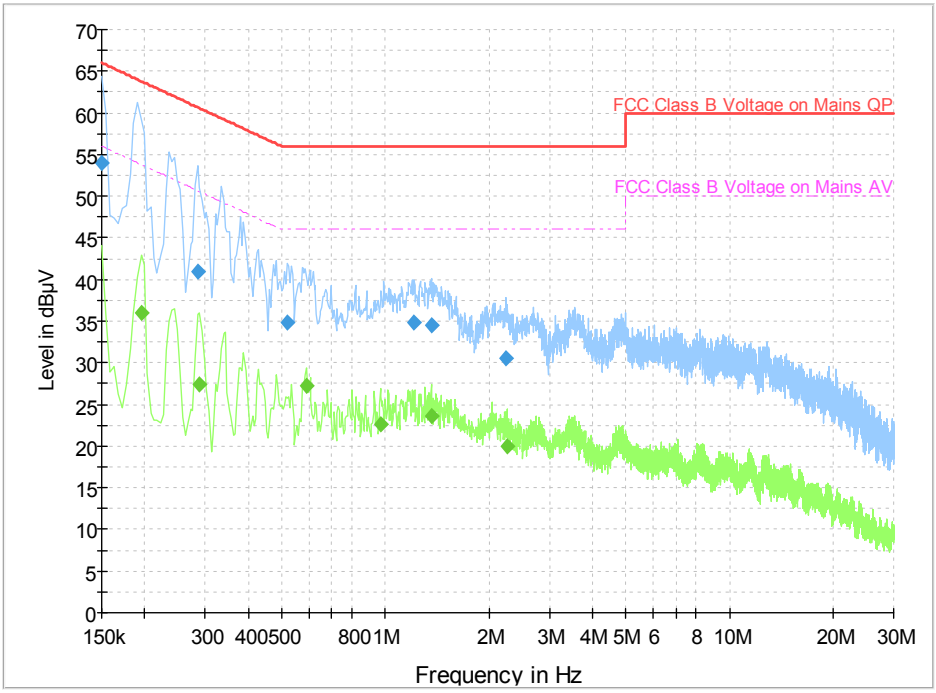

Fig A.12 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.150000	54.0	1000.0	9.000	On	L1	19.6	12.0	66.0	
0.285000	40.9	1000.0	9.000	On	L1	19.6	19.8	60.7	
0.519000	34.8	1000.0	9.000	On	L1	19.6	21.2	56.0	
1.212000	34.8	1000.0	9.000	On	L1	19.6	21.2	56.0	
1.360500	34.5	1000.0	9.000	On	L1	19.6	21.5	56.0	
2.242500	30.5	1000.0	9.000	On	L1	19.6	25.5	56.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.195000	36.0	1000.0	9.000	On	L1	19.7	17.8	53.8	
0.289500	27.5	1000.0	9.000	On	L1	19.6	23.1	50.5	
0.591000	27.2	1000.0	9.000	On	N	19.5	18.8	46.0	
0.969000	22.6	1000.0	9.000	On	L1	19.6	23.4	46.0	
1.360500	23.6	1000.0	9.000	On	L1	19.6	22.4	46.0	
2.260500	20.0	1000.0	9.000	On	L1	19.6	26.0	46.0	

Charging Mode, Set.3:

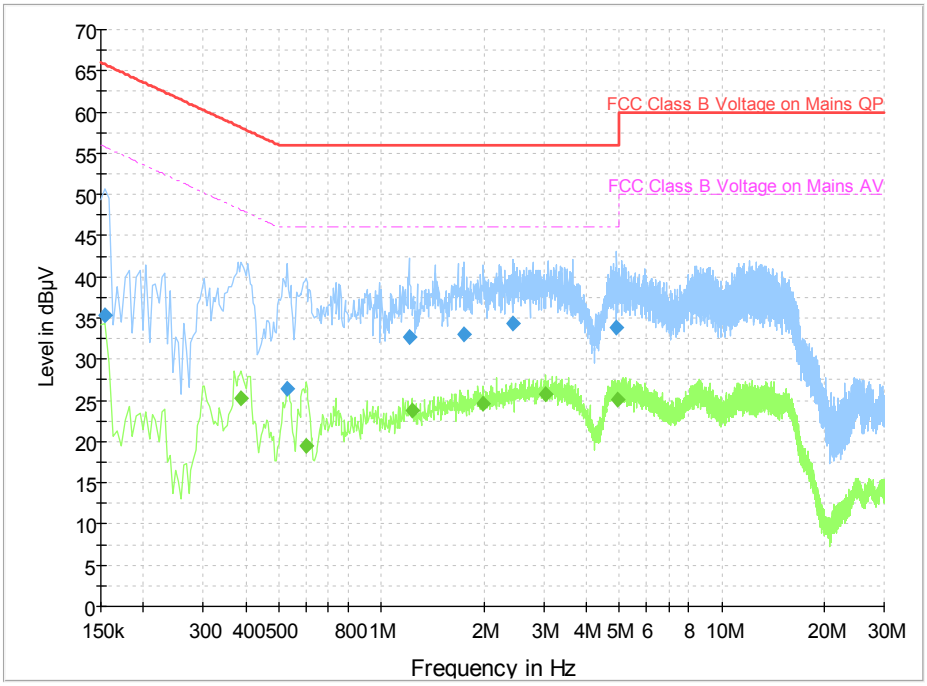

Fig A.13 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.154500	35.3	1000.0	9.000	On	L1	19.7	30.4	65.8	
0.528000	26.4	1000.0	9.000	On	L1	19.6	29.6	56.0	
1.207500	32.7	1000.0	9.000	On	L1	19.6	23.3	56.0	
1.752000	33.1	1000.0	9.000	On	N	19.5	22.9	56.0	
2.431500	34.4	1000.0	9.000	On	L1	19.6	21.6	56.0	
4.920000	33.9	1000.0	9.000	On	N	19.7	22.1	56.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.388500	25.2	1000.0	9.000	On	L1	19.6	22.9	48.1	
0.600000	19.6	1000.0	9.000	On	L1	19.6	26.4	46.0	
1.230000	23.8	1000.0	9.000	On	L1	19.6	22.2	46.0	
1.995000	24.6	1000.0	9.000	On	N	19.5	21.4	46.0	
3.034500	25.7	1000.0	9.000	On	L1	19.6	20.3	46.0	
4.924500	25.2	1000.0	9.000	On	N	19.7	20.8	46.0	

Charging Mode, Set.4:

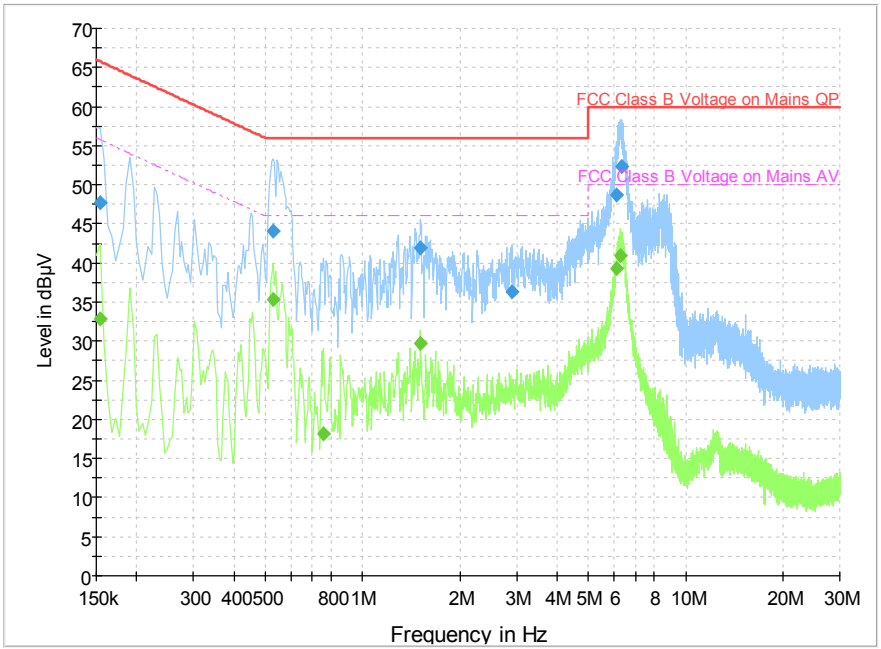

Fig A.14 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.154500	47.7	1000.0	9.000	On	L1	19.7	18.1	65.8	
0.528000	44.1	1000.0	9.000	On	L1	19.6	11.9	56.0	
1.513500	41.9	1000.0	9.000	On	L1	19.6	14.1	56.0	
2.899500	36.3	1000.0	9.000	On	N	19.6	19.7	56.0	
6.108000	48.7	1000.0	9.000	On	L1	19.7	11.3	60.0	
6.342000	52.3	1000.0	9.000	On	L1	19.7	7.7	60.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.154500	32.9	1000.0	9.000	On	L1	19.7	22.8	55.8	
0.528000	35.3	1000.0	9.000	On	L1	19.6	10.7	46.0	
0.757500	18.2	1000.0	9.000	On	L1	19.6	27.8	46.0	
1.509000	29.7	1000.0	9.000	On	L1	19.6	16.3	46.0	
6.108000	39.3	1000.0	9.000	On	N	19.7	10.7	50.0	
6.292500	40.9	1000.0	9.000	On	L1	19.7	9.1	50.0	

USB Mode, Set.5:

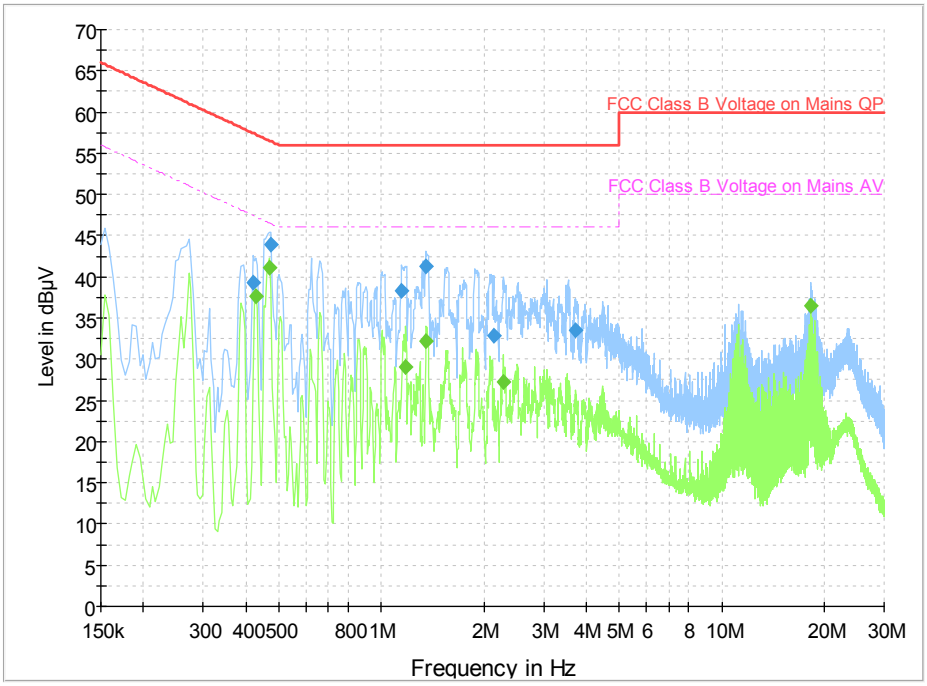

Fig A.15 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.420000	39.3	1000.0	9.000	On	N	19.6	18.1	57.4	
0.474000	43.9	1000.0	9.000	On	N	19.6	12.6	56.4	
1.149000	38.3	1000.0	9.000	On	L1	19.6	17.7	56.0	
1.351500	41.2	1000.0	9.000	On	N	19.6	14.8	56.0	
2.139000	32.8	1000.0	9.000	On	N	19.5	23.2	56.0	
3.723000	33.5	1000.0	9.000	On	N	19.6	22.5	56.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.429000	37.7	1000.0	9.000	On	L1	19.6	9.6	47.3	
0.469500	41.1	1000.0	9.000	On	N	19.6	5.4	46.5	
1.180500	29.1	1000.0	9.000	On	N	19.6	16.9	46.0	
1.356000	32.1	1000.0	9.000	On	N	19.6	13.9	46.0	
2.283000	27.2	1000.0	9.000	On	N	19.6	18.8	46.0	
18.181500	36.5	1000.0	9.000	On	L1	19.8	13.5	50.0	

ANNEX B: PERSONS INVOLVED IN THIS TESTING

Test Item	Test Software and Version	Software Vendor	Test operator
Conducted Emission	EMC32 V8.5.2	R&S	Wang Huan
Radiated Emission	EMC32 V9.01.00	R&S	Yan Hanchen

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