



FCC 15B TEST REPORT

No. I22Z60100-EMC01

for

TCL Communication Ltd.

LINKKEY LTE Cat4 USB Dongle

Model Name: IK42U1

FCC ID: 2ACCJB173

with

Hardware Version: V01

Software Version: IK42_ZZ_02.00_06

Issued Date: 2022-03-23

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
I22Z60100-EMC01	Rev.0	1 st edition	2022-03-14
I22Z60100-EMC01	Rev.1	Spot check as chapter 3.4	2022-03-23

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 (ISED#: 24849). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Location 1: 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℃
Relative Humidity: 20-75%

1.4. Project data

Testing Start Date: 2021-12-15
Testing End Date: 2022-03-22

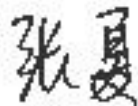
1.5. Signature



Zhang Ying
(Prepared this test report)



An Hui
(Reviewed this test report)



Zhang Xia
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	TCL Communication Ltd.
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Postal Code:	/
Country:	China
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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
City:	Hong Kong
Postal Code:	/
Country:	China
Contact Person	Peter yang
Contact Email	peter.yang@tcl.com
Telephone:	+86 755 3664 5759
Fax:	+86 755 3661 2000-81722

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

3.1. About EUT

Description	LINKKEY LTE Cat4 USB Dongle
Model Name	IK42U1
FCC ID	2ACCJB173

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL, Telecommunication Technology Labs, Academy of Telecommunication Research, MIIT.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
EUT4	/	/	/
EUT5		V01	IK42_ZZ_02.00_06

*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	charger	/	/
AE2	PC	/	/
AE3	Keyboard	/	/
AE4	Mouse	/	/
AE5	Printer	/	/

AE1

Model	/
Manufacturer	/

AE2

Model	/
Manufacturer	/

AE3

Model	/
Manufacturer	/

AE4

Model	/
Manufacturer	/

AE5

Model	/
Manufacturer	/

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

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT4 + AE1	Charging with power adapter
Set.2	EUT4 + PC+ Keyboard + Mouse + Printer	Charging with PC
Set.11	EUT5 + AE1	Charging with power adapter
Set.12	EUT5 + PC+ Keyboard + Mouse + Printer	Charging with PC

Note: LINKKEY LTE Cat4 USB Dongle manufactured by TCL Communication Ltd. IK42U1 is a variant model based on IK42UC. According to the declaration of changes, the following test was performed:

Test Item	Function	Setup
Radiated Emission	LTE band 12 idle Charging with power adapter; GSM850MHz idle Charging with PC	Set.11 and Set.12
Conducted Emission	GSM850MHz idle Charging with power adapter; GSM850MHz idle Charging with PC	Set.11 and Set.12

The other results are cited from the initial model. The report number for initial model is I21Z60362-EMC01.

4. Reference Documents

4.1. Documents supplied by applicant

EUT parameters, referring to chapter 3 for detailed information, are supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

	Title	Version
Reference		
FCC Part 15, Subpart B	Radio frequency devices - Unintentional Radiators	10-1-20 Edition
ANSI C63.4	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

Note: The test methods have no deviation with standards.

5. LABORATORY ENVIRONMENT

Semi-anechoic chamber SAC-1 (23 meters × 17meters × 10meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4
Normalised site attenuation (NSA)	< ±4 dB, 10 m distance
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 6GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

Shielded room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz—1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4

6. SUMMARY OF TEST RESULTS

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

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

7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	Test Receiver	ESCI 3	100344	Rohde & Schwarz	2023-02-21	1 year
2	LISN	ENV216	101200	Rohde & Schwarz	2022-05-30	1 year
3	EMI Antenna	3115	00167250	ETS-Lindgren	2022-07-01	1 year
4	Test Receiver for Radiated Emission	ESW44	103023	R&S	2022-10-26	1 year
5	EMI Antenna for Radiated Emission (<1GHz)	VULB9163	9163-1223	Schwarzbeck	2022-03-22	1 year
6	Universal Radio Communication Tester	CMW500	116588	R&S	2022-12-20	1 year

Test Item	Test Software and Version	Software Vendor
Radiated Continuous Emission	EMC32 V9.01.0	R&S
Conducted Emission	EMC32 V8.52.0	R&S

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission

Reference

FCC: CFR Part 15.109(a).

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator (charging mode of MS) at distances of 10 meters(for 30MHz-1GHz) and 3 meters (for above 1GHz) is tested. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3/10 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode:

The MS is operating in the charging mode. During the test MS had two mode:

1. MS is connected to a PC;
2. MS is connected to a charger.

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.

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.

$$\text{Limit}(10\text{m}) = \text{limit}(3\text{m}) + 20(\log(3/10))$$

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: 5.18dB, 1GHz-18GHz: 5.54dB, $k=2$.

Measurement results for Set.1:
Charger + GSM 850 idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
45.617000	10.07	29.54	19.47	188.0	V	120.0
49.012000	9.65	29.54	19.89	200.0	V	240.0
99.064000	7.62	33.06	25.44	335.0	V	120.0
140.580000	9.08	33.06	23.98	100.0	V	300.0
172.008000	5.35	33.06	27.71	310.0	V	0.0
778.161000	18.55	35.56	17.01	335.0	V	80.0

Charger + GSM 850 idle PK detector

Frequency (MHz)	Result(dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17887.800	55.5	-29.5	46.0	39.1	74.000	18.500	H
17827.733	55.3	-29.7	46.0	39.0	74.000	18.700	H
17838.500	55.2	-29.7	46.0	38.9	74.000	18.800	V
17891.200	55.0	-29.5	46.0	38.6	74.000	19.000	H
17866.833	54.8	-29.4	46.0	38.2	74.000	19.200	H
17920.667	54.2	-29.4	46.7	36.9	74.000	19.800	H

Charger + GSM 850 idle AV detector

Frequency (MHz)	Result(dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17964.867	46.0	-29.1	46.7	28.4	54.000	8.000	V
17962.033	45.7	-29.1	46.7	28.1	54.000	8.300	H
17547.800	45.6	-29.5	44.4	30.7	54.000	8.400	H
17589.167	45.3	-29.7	45.2	29.7	54.000	8.700	V
17937.100	45.3	-29.4	46.7	28.0	54.000	8.700	H
17157.367	45.3	-29.9	42.4	32.8	54.000	8.700	H

Measurement results for Set.1:
Charger + WCDMA 850 idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
48.430000	9.58	29.54	19.96	107.0	V	30.0
55.317000	10.48	29.54	19.06	101.0	V	240.0
110.510000	7.74	33.06	25.32	118.0	V	-29.0
192.378000	7.41	33.06	25.65	300.0	V	251.0
398.406000	12.47	35.56	23.09	118.0	V	152.0
797.173000	18.33	35.56	17.23	125.0	V	191.0

Charger + WCDMA 850 idle PK detector

Frequency (MHz)	Result(dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
16444.500	55.0	-29.9	39.3	45.5	74.000	19.000	H
17977.333	54.8	-29.1	46.7	37.2	74.000	19.200	V
17633.933	54.6	-29.4	45.2	38.8	74.000	19.400	V
17917.833	54.6	-29.3	46.7	37.3	74.000	19.400	H
17941.633	54.6	-28.9	46.7	36.9	74.000	19.400	H
17850.967	54.4	-29.3	46.0	37.8	74.000	19.600	H

Charger + WCDMA 850 idle AV detector

Frequency (MHz)	Result(dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17964.867	46.7	-29.1	46.7	29.1	54.000	7.300	V
17941.633	46.0	-28.9	46.7	28.3	54.000	8.000	V
17952.400	45.8	-28.9	46.7	28.1	54.000	8.200	H
17822.067	45.7	-29.7	46.0	29.4	54.000	8.300	H
17992.633	45.6	-29.1	46.7	28.0	54.000	8.400	V
17939.933	45.5	-29.4	46.7	28.2	54.000	8.500	H

Measurement results for Set.1:
Charger + LTE BAND 5 idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
50.079000	9.71	29.54	19.83	324.0	V	211.0
57.063000	9.46	29.54	20.08	276.0	V	30.0
102.071000	8.27	33.06	24.79	101.0	V	120.0
108.376000	7.98	33.06	25.08	101.0	V	30.0
377.551000	12.06	35.56	23.50	225.0	V	30.0
886.413000	20.12	35.56	15.44	180.0	V	150.0

Charger + LTE BAND 5 idle PK detector

Frequency (MHz)	Result(dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17921.233	55.0	-29.4	46.7	37.7	74.000	19.000	H
17942.200	54.7	-28.9	46.7	37.0	74.000	19.300	H
17901.967	54.4	-29.3	46.0	37.8	74.000	19.600	V
17873.633	54.3	-29.4	46.0	37.7	74.000	19.700	V
17950.133	54.3	-28.9	46.7	36.6	74.000	19.700	H
17943.333	54.2	-28.9	46.7	36.5	74.000	19.800	V

Charger + LTE BAND 5 idle AV detector

Frequency (MHz)	Result(dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17942.200	45.8	-28.9	46.7	28.1	54.000	8.200	V
17939.933	45.8	-29.4	46.7	28.5	54.000	8.200	V
17539.867	45.8	-29.3	44.4	30.8	54.000	8.200	H
17990.367	45.8	-29.1	46.7	28.2	54.000	8.200	H
17988.667	45.7	-29.1	46.7	28.1	54.000	8.300	H
17860.033	45.5	-29.4	46.0	28.9	54.000	8.500	V

Measurement results for Set.1:
Charger + LTE BAND 12 idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
55.220000	10.01	29.54	19.53	225.0	H	62.0
98.773000	7.48	33.06	25.58	225.0	V	62.0
114.681000	15.00	33.06	18.06	95.0	V	-30.0
126.515000	9.52	33.06	23.54	95.0	V	-27.0
170.747000	7.04	33.06	26.02	103.0	V	-7.0
343.989000	11.68	35.56	23.88	125.0	V	-29.0

Charger + LTE BAND 12 idle PK detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17953.760	40.0	-28.9	46.7	22.283	74.0	34.0	H
17540.320	39.9	-29.5	44.4	25.034	74.0	34.1	V
17784.440	39.9	-29.9	46.0	23.832	74.0	34.1	V
17986.400	39.8	-29.1	46.7	22.198	74.0	34.2	V
17962.260	39.8	-29.1	46.7	22.201	74.0	34.2	H
17990.140	39.8	-29.1	46.7	22.198	74.0	34.2	V

Charger + LTE BAND 12 idle AV detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17612.060	51.7	-29.5	45.2	35.972	54.0	2.3	H
17950.700	51.6	-28.9	46.7	33.883	54.0	2.4	H
17968.380	51.3	-29.1	46.7	33.701	54.0	2.7	V
17930.300	51.3	-29.4	46.7	34.039	54.0	2.7	H
17644.020	51.3	-29.6	45.2	35.653	54.0	2.7	V
17967.360	51.3	-29.1	46.7	33.701	54.0	2.7	H

Measurement results for Set.2:
PC + GSM 850 idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
54.638000	16.18	29.54	13.36	325.0	V	190.0
83.156000	17.63	29.54	11.91	125.0	V	60.0
111.189000	20.91	33.06	12.15	125.0	V	81.0
157.846000	15.76	33.06	17.30	125.0	V	171.0
215.949000	18.38	33.06	14.68	95.0	V	210.0
347.093000	19.72	35.56	15.84	95.0	V	-29.0

PC + GSM 850 idle PK detector

Frequency (MHz)	Result(dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17964.980	40.2	-29.1	46.7	22.601	74.0	33.8	H
17887.460	40.2	-29.5	46.0	23.780	74.0	33.8	H
17976.200	40.0	-29.1	46.7	22.401	74.0	34.0	V
17968.720	40.0	-29.1	46.7	22.401	74.0	34.0	H
17849.040	39.9	-29.3	46.0	23.282	74.0	34.1	H
17954.100	39.9	-28.9	46.7	22.183	74.0	34.1	V

PC + GSM 850 idle AV detector

Frequency (MHz)	Result(dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17955.8	52.5	-28.9	46.7	34.783	54.0	1.5	V
17608.7	51.7	-29.5	45.2	35.972	54.0	2.3	V
17958.9	51.6	-28.9	46.7	33.883	54.0	2.4	V
17583.2	51.5	-29.7	45.2	35.949	54.0	2.5	H
17858.9	51.5	-29.3	46.0	34.882	54.0	2.5	V
17208.1	51.4	-29.5	42.4	38.527	54.0	2.6	H

Sample calculation: AV detector, 17955.8MHz

Result = P_{Mea} (34.783dB μ V) + G_A (46.7dB/m) + G_{PL}(-28.9dB) =52.5dB μ V/m

Charger + GSM 850MHz idle, Set.1

Full Spectrum

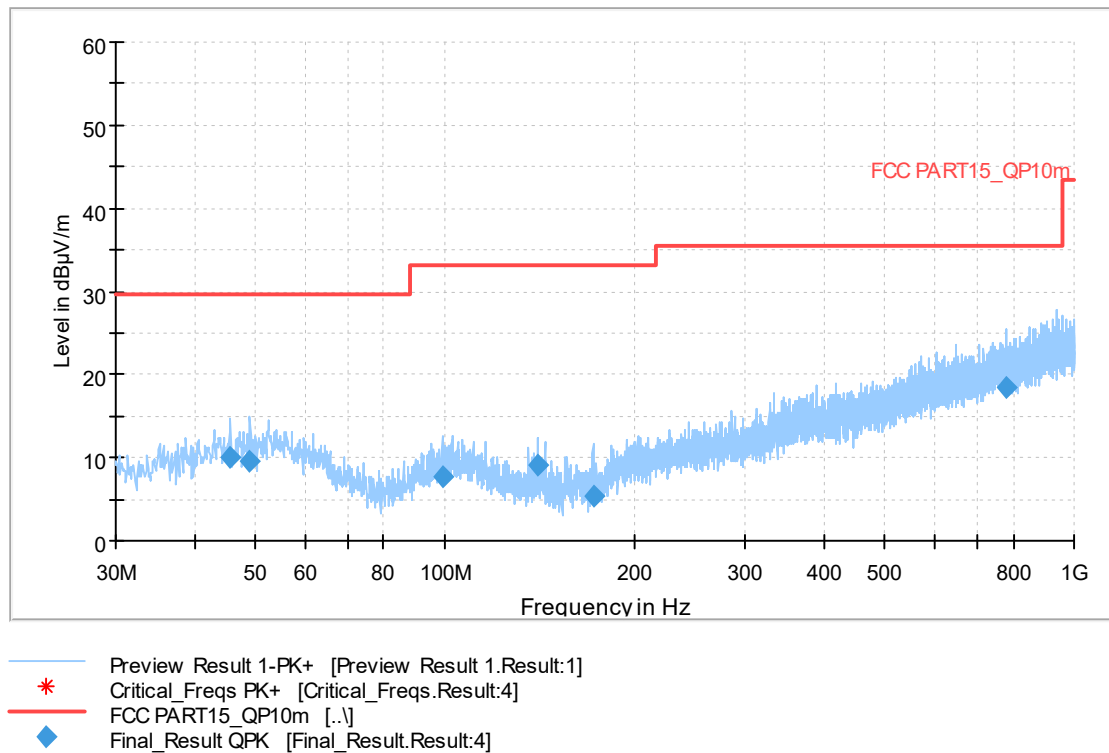


Figure A.1 Radiated Emission from 30MHz to 1GHz

Full Spectrum

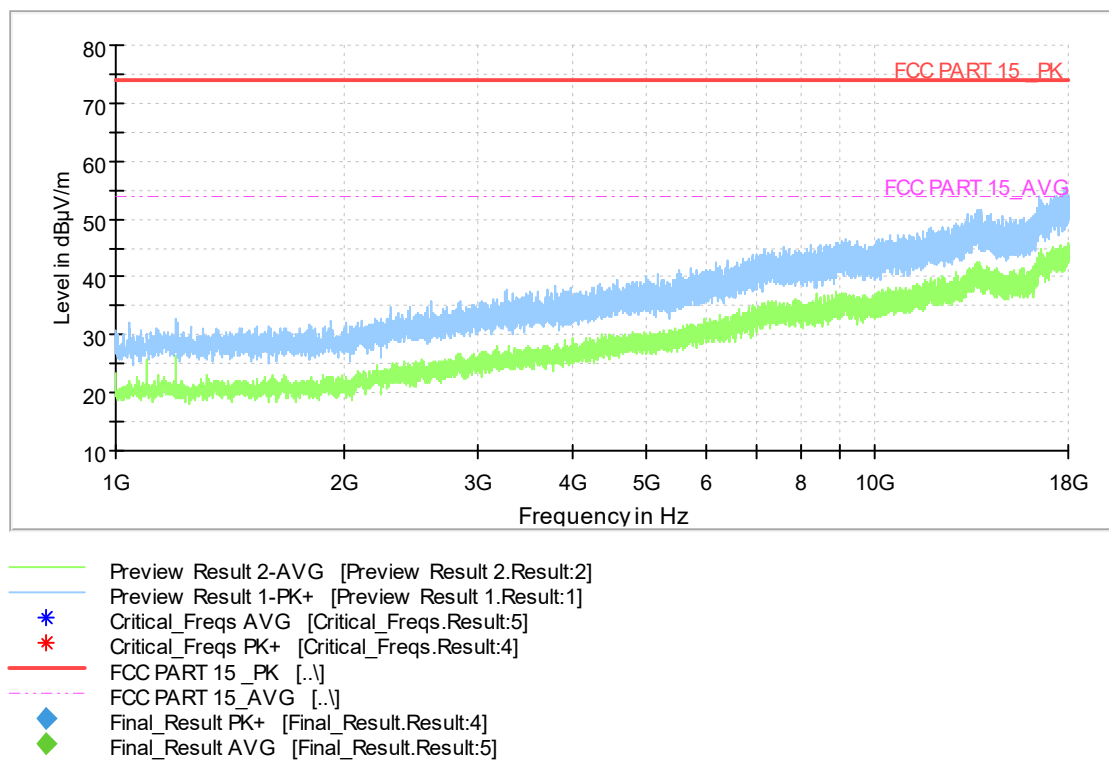


Figure A.2 Radiated Emission from 1GHz to 18GHz

Charger + WCDMA 850MHz idle, Set.1

Full Spectrum

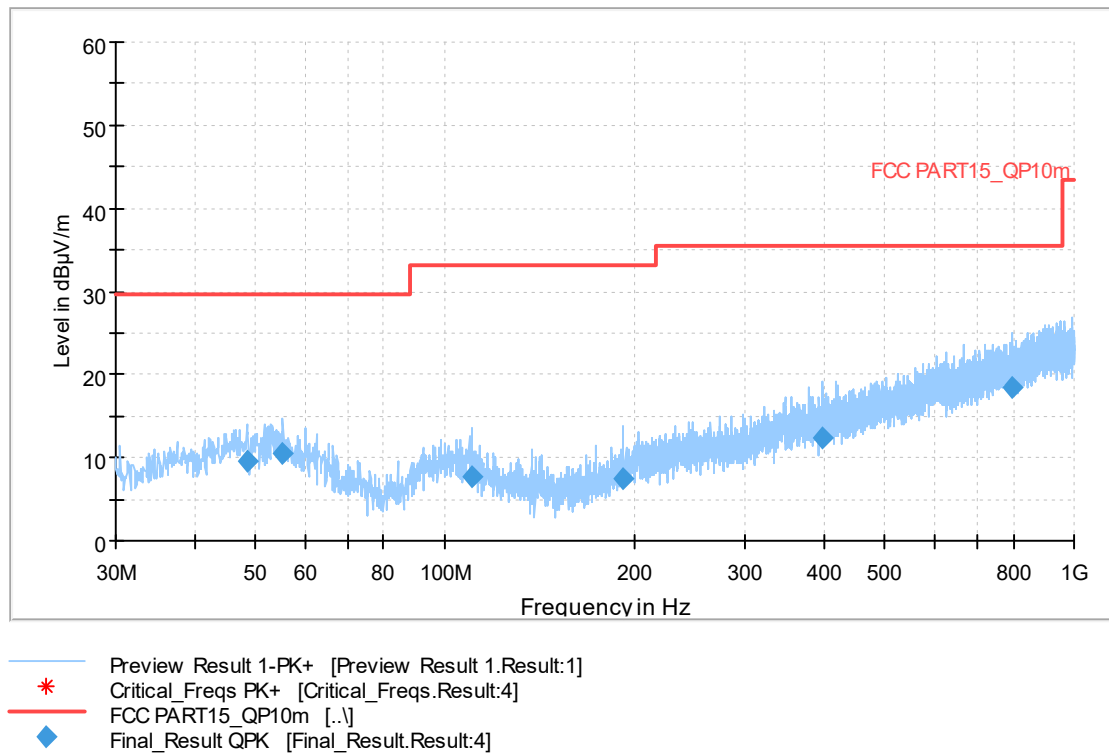


Figure A.3 Radiated Emission from 30MHz to 1GHz

Full Spectrum

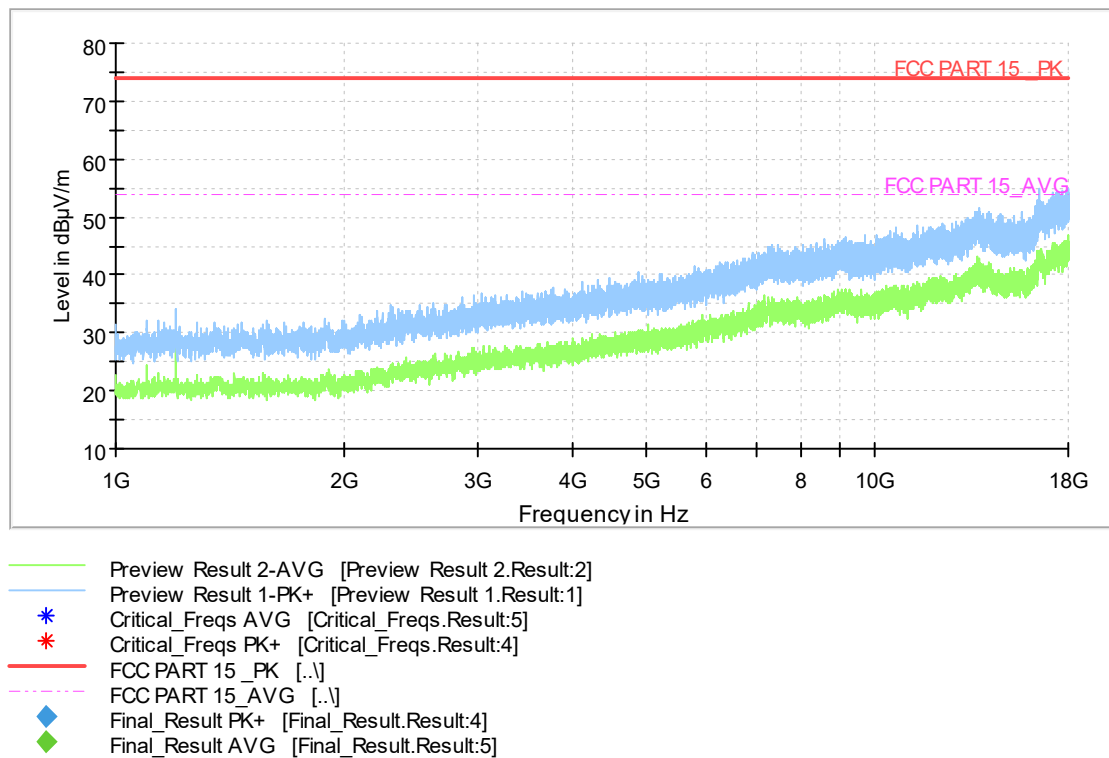


Figure A.4 Radiated Emission from 1GHz to 18GHz

Charger + LTE band 5 idle, Set.1

Full Spectrum

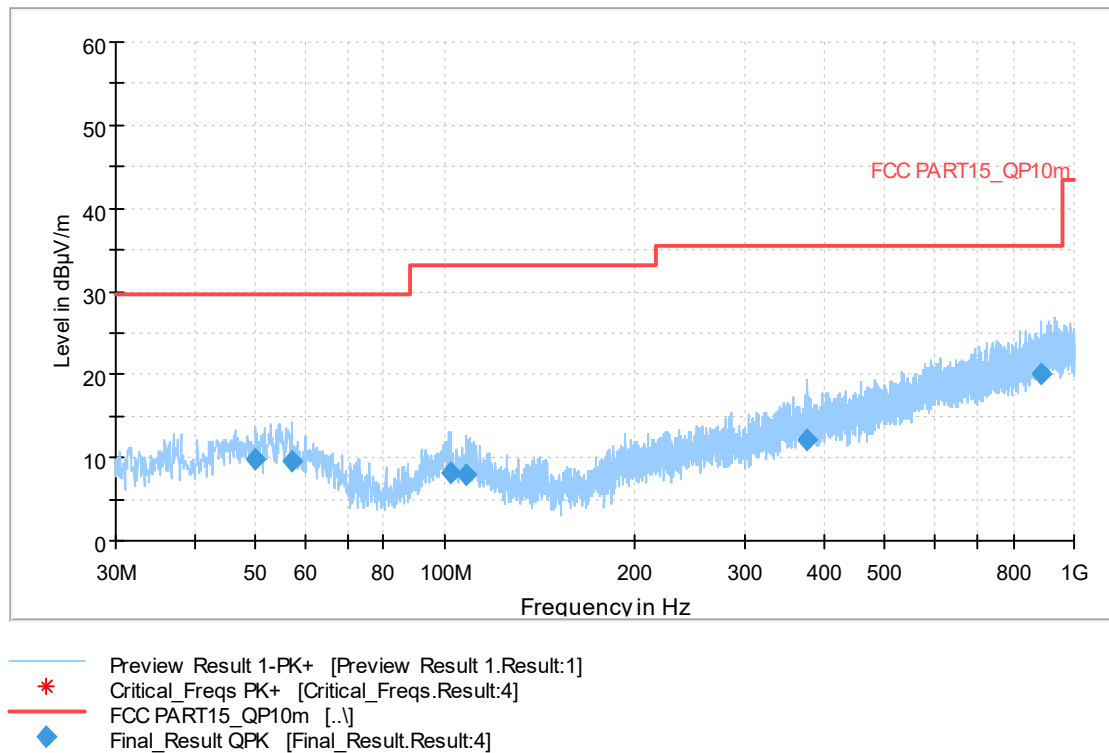


Figure A.5 Radiated Emission from 30MHz to 1GHz

Full Spectrum

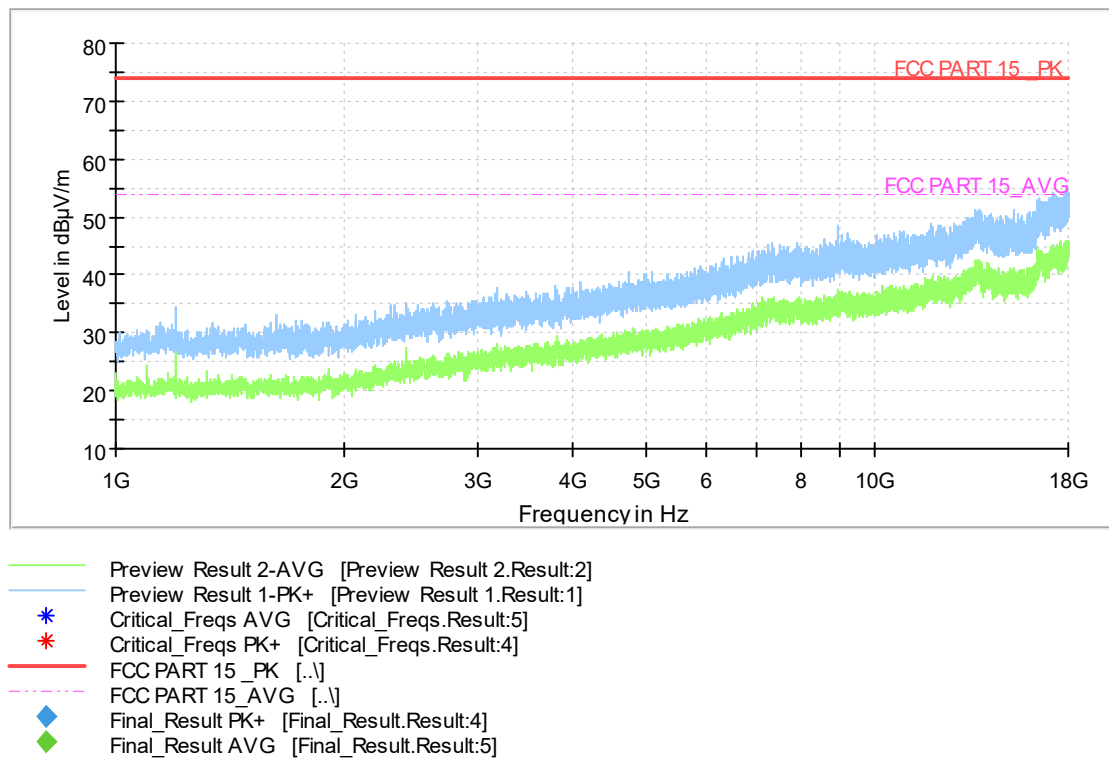
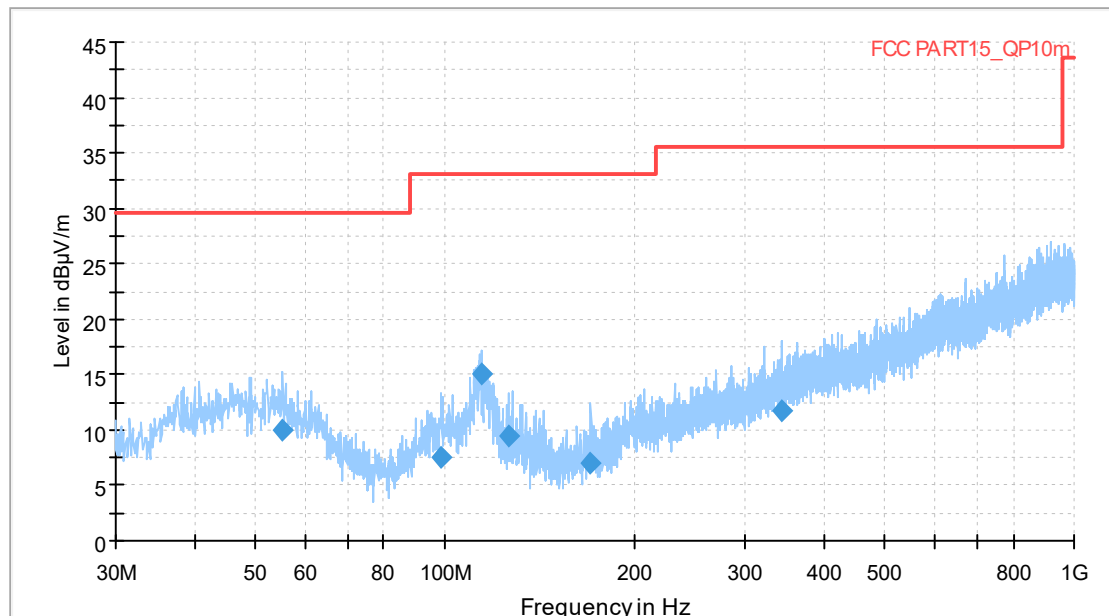


Figure A.6 Radiated Emission from 1GHz to 18GHz

Charger + LTE band 12 idle, Set.1

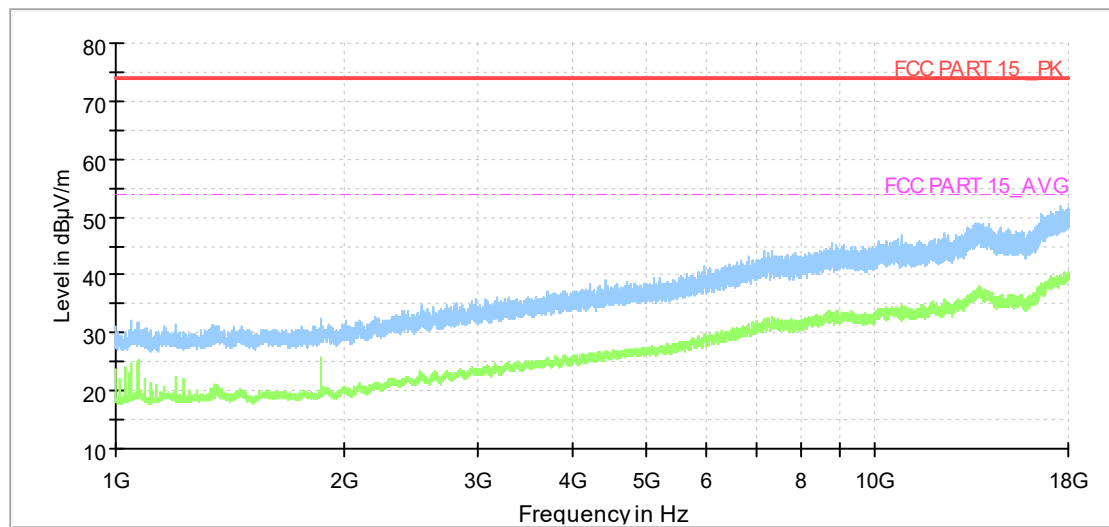
Full Spectrum



- Preview Result 1-PK+ [Preview Result 1.Result:1]
- * Critical_Freqs PK+ [Critical_Freqs.Result:4]
- FCC PART15_QP10m [..]
- ◆ Final_Result QPK [Final_Result.Result:4]

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

Full Spectrum



- Preview Result 2-AVG [Preview Result 2.Result:2]
- Preview Result 1-PK+ [Preview Result 1.Result:1]
- * Critical_Freqs AVG [Critical_Freqs.Result:5]
- * Critical_Freqs PK+ [Critical_Freqs.Result:4]
- FCC PART 15_PK [..]
- FCC PART 15_AVG [..]
- ◆ Final_Result PK+ [Final_Result.Result:4]
- ◆ Final_Result AVG [Final_Result.Result:5]

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

PC + GSM 850 idle, Set.2

Full Spectrum

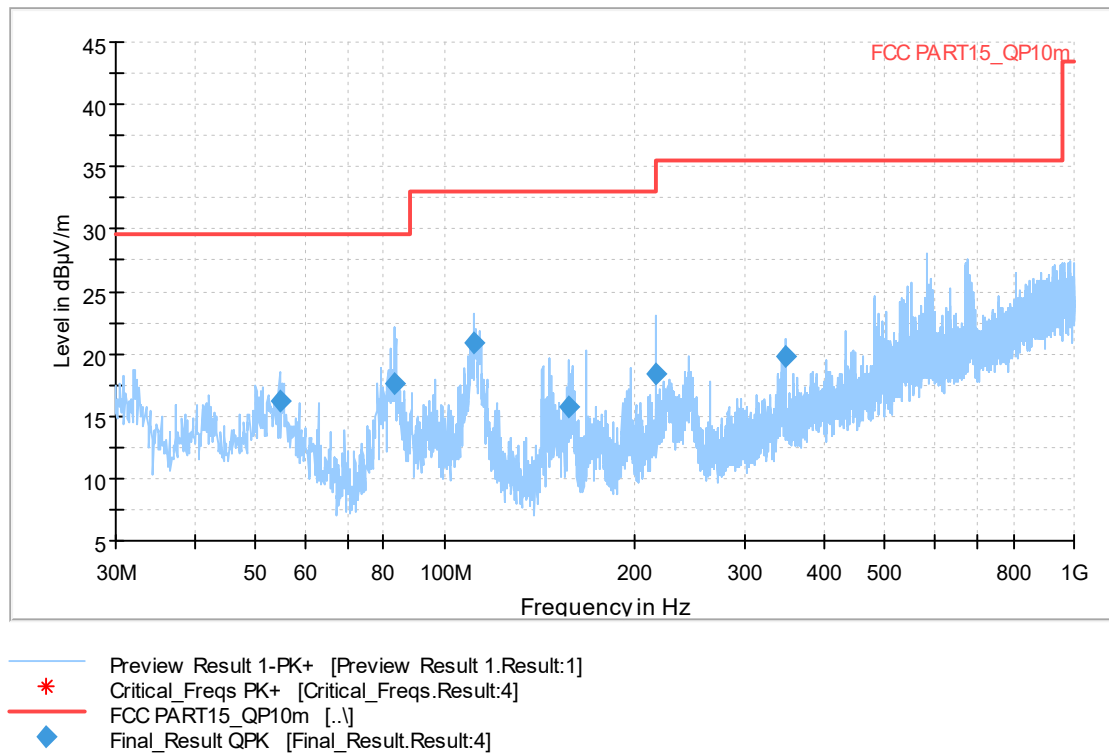


Figure A.17 Radiated Emission from 30MHz to 1GHz

Full Spectrum

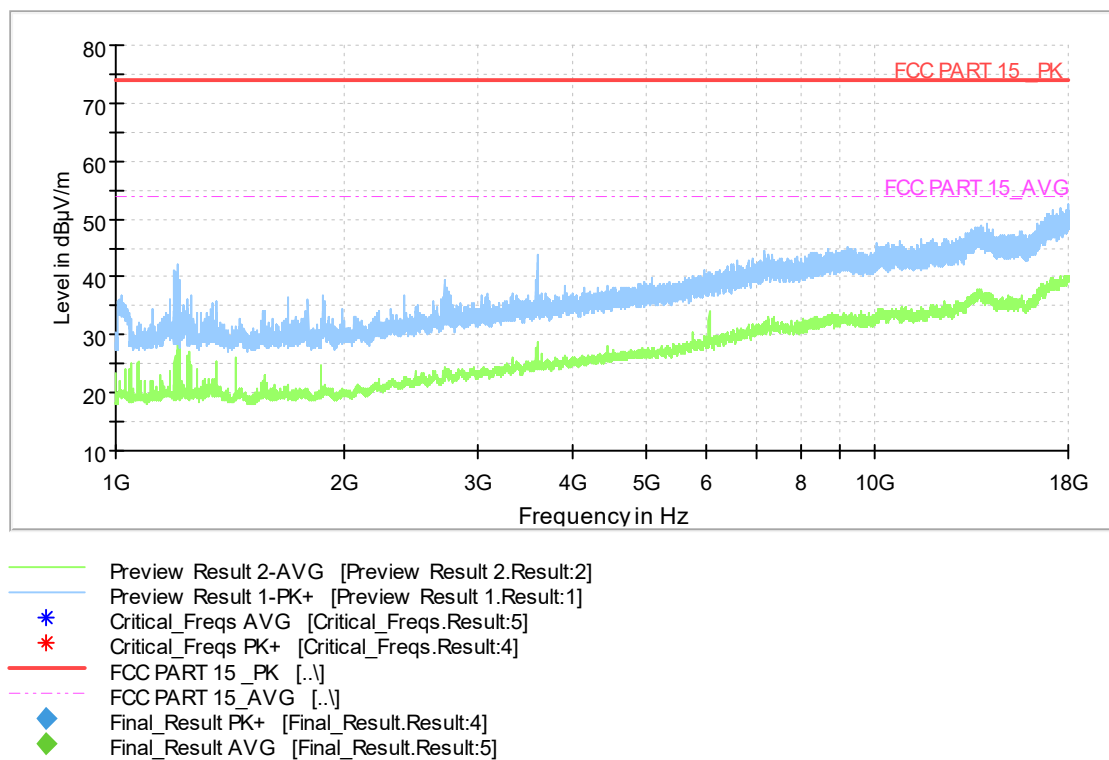


Figure A.18 Radiated Emission from 1GHz to 18GHz

A.2 Conducted Emission

Reference

FCC: CFR Part 15.107(a).

A.2.1 Method of measurement

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 7.3.

A.2.2 EUT Operating Mode

The MS is operating in the charging mode. During the test MS had two modes:

1. MS is connected to a PC;
2. MS is connected to a charger.

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.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency		

A.2.4 Test Condition in charging mode

Voltage (V)	Frequency (Hz)
120	60

RBW/IF bandwidth	Sweep Time(s)
9kHz	1

A.2.5 Measurement Results

Measurement uncertainty: $U=3.08\text{dB}$, $k=2$.

Charger + GSM 850MHz idle, Set.1

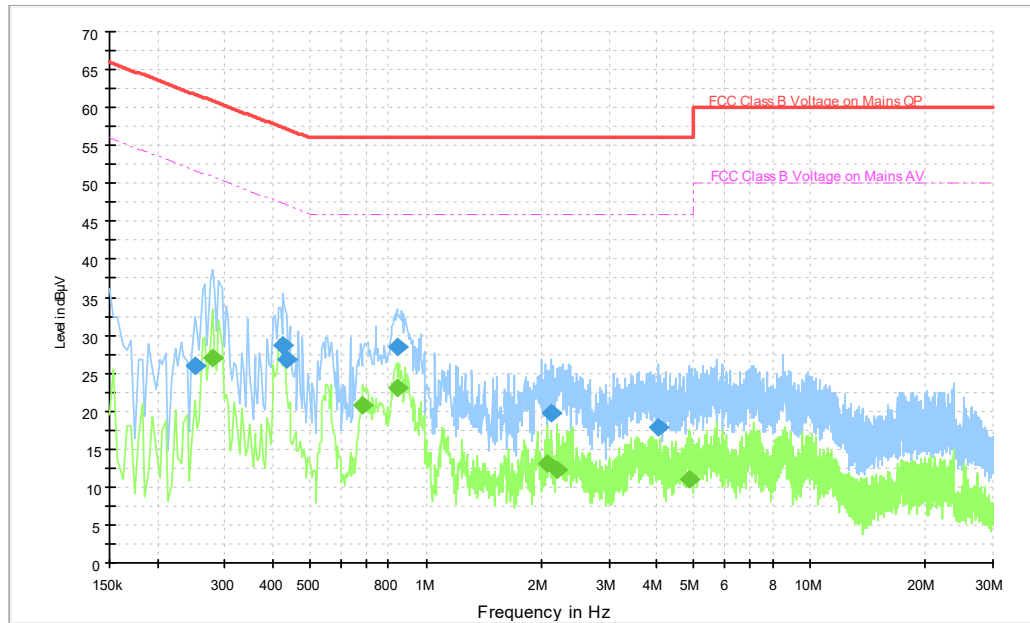


Figure A.13 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.250000	25.9	L1	20.0	35.8	61.8
0.426000	28.7	L1	19.9	28.6	57.3
0.434000	26.8	N	19.9	30.4	57.2
0.842000	28.5	L1	19.6	27.5	56.0
2.118000	19.8	L1	19.5	36.2	56.0
4.042000	18.0	L1	19.6	38.0	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.278000	27.0	L1	20.0	23.9	50.9
0.686000	20.8	L1	19.7	25.2	46.0
0.842000	23.0	L1	19.6	23.0	46.0
2.078000	13.0	L1	19.5	33.0	46.0
2.202000	12.3	L1	19.5	33.7	46.0
4.846000	11.0	L1	19.6	35.0	46.0

PC + GSM 850MHz idle, Set.2

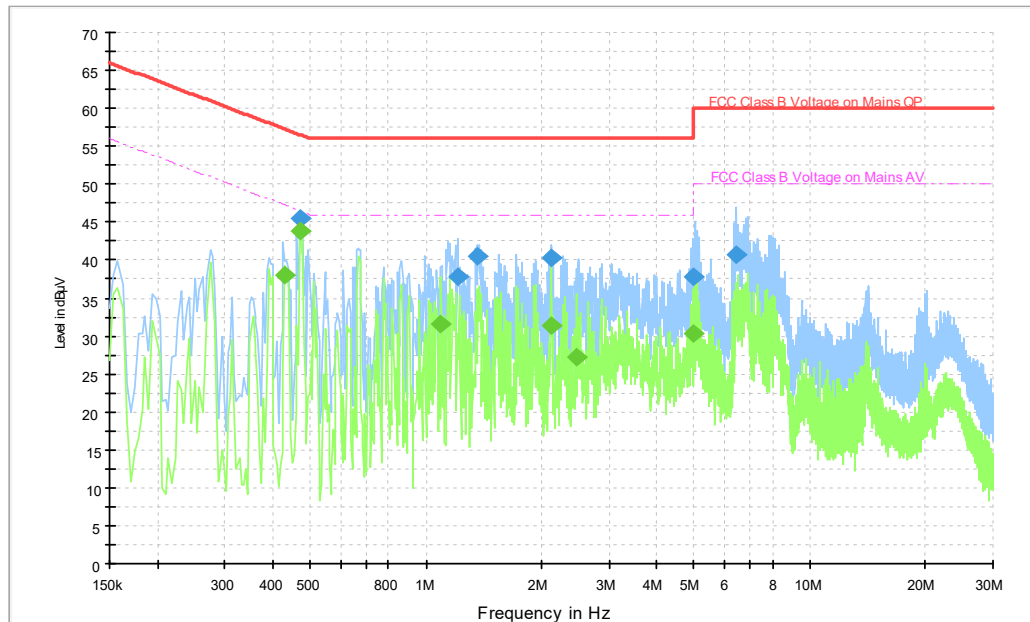


Figure A.14 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.470000	45.4	N	20.0	11.1	56.5
1.210000	37.9	N	19.8	18.1	56.0
1.362000	40.6	N	19.8	15.4	56.0
2.126000	40.3	N	19.8	15.7	56.0
4.954000	37.9	N	19.7	18.1	56.0
6.442000	40.8	N	19.7	19.2	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.430000	37.9	L1	19.9	9.3	47.3
0.470000	43.9	N	20.0	2.6	46.5
1.094000	31.6	L1	19.5	14.4	46.0
2.110000	31.4	L1	19.5	14.6	46.0
2.462000	27.3	L1	19.5	18.7	46.0
4.982000	30.3	N	19.7	15.7	46.0

ANNEX B: Persons involved in this testing

Test Item	Tester
Conducted Continuous Emission	Meng Qingbo & Li Pengfei
Radiated Continuous Emission	Yan Hanchen

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