



FCC 15B TEST REPORT

No. I23Z60867-EMC01

for

GSM Mobile phone

Model Name: T302D,T302X

FCC ID: 2ACCJB209

with

Hardware Version: V1.0

Software Version: V1.1

Issued Date: 2023-06-08

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
I23Z60867-EMC01	Rev.0	1 st edition	2023-06-05
I23Z60867-EMC01	Rev.1	2 nd edition.Updated the frequency typo on page 7.	2023-06-08

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1. Test Laboratory

1.1. Testing Location

Location 1: CTTL(huayuan North Road)

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

1.2. Testing Environment

Normal Temperature: 15-35°C

Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2023-05-17

Testing End Date: 2023-05-26

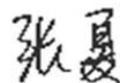
1.4. Signature



An Hui
(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

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
Telephone: +86 755 3661 1621
Fax: +86 755 3661 2000-81722

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
Telephone: +86 755 3661 1621
Fax: +86 755 3661 2000-81722

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

3.1. About EUT

Description	GSM Mobile phone
Model Name	T302D,T302X
FCC ID	2ACCJB209

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
EUT1	351052820001333/351052820001341	V1.0	V1.0

*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	Note
AE1-1	Battery	/	
AE1-2	Battery	/	
AE1-3	Battery	/	
AE1-4	Battery		
AE2	USB Cable	/	
AE3-1	Charger	/	
AE3-2	Charger	/	
AE3-3	Charger	/	
AE3-4	Charger	/	
AE4	Headset	/	

AE1-1

Model	TLi010EA
Manufacturer	Zhongshan Tianmao Battery Co.,Ltd.
Capacity	1000mAh
Nominal Voltage	3.7V

AE1-2

Model	TLi010CA
Manufacturer	Zhongshan Tianmao Battery Co.,Ltd.
Capacity	1000mAh
Nominal Voltage	3.7V

AE1-3

Model	TLi010CB
Manufacturer	Shenzhen Aerospace Electronic Co., Ltd.
Capacity	1000mAh
Nominal Voltage	3.7V

AE1-4	
Model	TLi010EB
Manufacturer	Shenzhen Aerospace Electronic Co., Ltd.
Capacity	1000mAh
Nominal Voltage	3.7V
AE2	
Model	810-T28700000
Manufacturer	JUWEI
Length of cable	/
AE3-1	
Model	XT-252E-5055
Manufacturer	BaiJunDa Electronic Private Ltd
Length of cable	/
AE3-2	
Model	XT-252A-5055
Manufacturer	BaiJunDa Electronic Private Ltd
Length of cable	/
AE3-3	
Model	XT-536B-5055A
Manufacturer	BaiJunDa Electronic Private Ltd
Length of cable	/
AE3-4	
Model	MC-701
Manufacturer	BaiJunDa Electronic Private Ltd
Length of cable	/
AE4	
Model	805-T28700000
Manufacturer	JUWEI
Length of cable	/

*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	EUT1 + AE1-1/1-2/1-3 + AE2 + AE3-1/3-2/3-3	Charger1
Set.2	EUT1 + AE1-1/1-2/1-3 + AE2 + AE3-4	Charger2, GSM 850MHz idle
Set.3	EUT1 + AE1-1/1-2/1-3 + AE2	USB
Set.4	EUT1 + AE1-1/1-2/1-3 + AE2 + AE4	FM

Note:

The device contains receivers which tune and operate between 30MHz-960MHz in the following bands: GSM850. The measurement results showed here are worst cases of different bands.

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	2020
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 MΩ
Ground system resistance	< 4 Ω
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 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(huayuan North Road)
2	Conducted Emission	15.107(a)	A.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	100344	R&S	2024-02-21	1 Year
2	LISN	ENV216	101200	R&S	2023-06-29	1 year
3	Universal Radio Communication Tester	CMW500	150344	R&S	2024-01-03	1 year
4	Test Receiver	ESW44	103144	R&S	2023-10-25	1 Year
6	EMI Antenna	3115	00167250	ETS-Lindgren	2023-06-20	1 year
7	EMI Antenna	VULB 9613	01223	SCHWARZBECK	2023-07-25	1 year
8	Signal Generator	SMBV100A	256585	R&S	2024-02-09	1 year
9	Printer	P1606dn	VNC3L52122	HP	N/A	N/A
10	Keyboard	KU-1601	2048361	Lenovo	N/A	N/A
11	Mouse	EMS-537A	8021S3MC	Lenovo	N/A	N/A
12	PC	M4000e-17	M706RMW2	Lenovo	N/A	N/A

Test Software

Radiated Emission	EMC32 V10.60.20
Conducted Emission	EMC32 V8.53.0

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) 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 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.

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.

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

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/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:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

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

Note: The measurement results showed here are worst cases of the combinations of different Battery, cables and Headset.

Note: The measurement results showed here are worst cases.

Measurement results for Set.1:

EUT1 Charger1+REAR Camera Mode/QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
54.153000	10.58	29.54	18.96	125.0	V	291.0
64.920000	10.20	29.54	19.34	304.0	V	315.0
101.877000	8.76	33.06	24.30	224.0	V	256.0
154.354000	11.07	33.06	21.99	108.0	V	-44.0
164.151000	12.77	33.06	20.29	100.0	V	190.0
589.302000	16.55	35.56	19.01	100.0	H	137.0

EUT1 Charger1+REAR Camera Mode/Average detector

Frequency (MHz)	Result (dB μ V/m)	G_{PL} (dB)	G_A (dB/m)	P_{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17909.560	41.7	-29.3	46.0	25.072	V	54	12.3
17676.660	40.9	-29.9	45.2	25.550	V	54	13.1
17906.500	40.9	-29.3	46.0	24.272	V	54	13.1
17791.920	40.7	-29.9	46.0	24.632	V	54	13.3
17441.040	40.7	-29.9	44.4	26.217	H	54	13.3
17888.140	40.6	-29.5	46.0	24.180	H	54	13.4

EUT1 Charger1+REAR Camera Mode/Peak detector

Frequency (MHz)	Result (dB μ V/m)	G_{PL} (dB)	G_A (dB/m)	P_{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17408.740	52.0	-29.4	44.4	37.086	V	74	22.0
17425.400	51.7	-29.7	44.4	37.060	V	74	22.3
17858.900	51.4	-29.3	46.0	34.782	V	74	22.6
17892.900	51.1	-29.5	46.0	34.680	H	74	22.9
17466.200	51.1	-30.1	44.4	36.805	V	74	22.9
17878.620	51.0	-29.4	46.0	34.439	H	74	23.0

Measurement results for Set.2:
EUT1 Charger2+MP4+GSM 850MHz idle Mode /QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
46.296000	10.73	29.54	18.81	224.0	V	215.0
55.317000	10.21	29.54	19.33	323.0	H	137.0
64.532000	9.80	29.54	19.74	183.0	V	-45.0
99.161000	7.80	33.06	25.26	303.0	V	202.0
156.682000	12.62	33.06	20.44	100.0	V	175.0
202.175000	8.26	33.06	24.80	125.0	V	225.0

EUT1 Charger2+MP4+GSM 850MHz idle Mode /Average detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17925.200	41.0	-29.4	46.7	23.739	V	54	13.0
17729.360	40.8	-29.7	45.2	25.221	V	54	13.2
17905.820	40.7	-29.3	46.0	24.072	H	54	13.3
17432.880	40.7	-29.7	44.4	26.060	H	54	13.3
17647.080	40.7	-29.6	45.2	25.053	V	54	13.3
17860.940	40.7	-29.4	46.0	24.139	H	54	13.3

EUT1 Charger2+MP4+GSM 850MHz idle Mode /Peak detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17327.140	51.1	-29.7	43.4	37.440	V	74	22.9
17547.460	50.9	-29.5	44.4	36.034	H	74	23.1
17349.240	50.9	-30.0	43.4	37.512	V	74	23.1
17764.380	50.8	-29.6	46.0	34.472	H	74	23.2
17672.240	50.7	-29.9	45.2	35.350	V	74	23.3
17626.340	50.7	-29.4	45.2	34.852	V	74	23.3

Measurement results for Set.3:
EUT1 USB Mode/QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
55.899000	22.84	29.54	6.70	275.0	V	135.0
69.479000	19.76	29.54	9.78	275.0	V	252.0
125.351000	11.31	33.06	21.75	100.0	V	34.0
198.295000	19.51	33.06	13.55	275.0	H	162.0
215.949000	17.54	33.06	15.52	100.0	V	163.0
496.182000	22.48	35.56	13.08	275.0	V	-17.0

EUT1 USB Mode/Average detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17371.680	41.0	-30.0	43.4	27.612	H	54	13.0
17995.240	40.8	-29.1	46.7	23.198	H	54	13.2
17765.740	40.8	-29.6	46.0	24.472	V	54	13.2
17764.040	40.7	-29.6	46.0	24.372	H	54	13.3
17328.500	40.6	-29.7	43.4	26.940	H	54	13.4
17920.440	40.6	-29.4	46.7	23.339	V	54	13.4

EUT1 USB Mode/Peak detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17942.540	51.2	-28.9	46.7	33.483	H	74	22.8
17950.700	51.2	-28.9	46.7	33.483	H	74	22.8
17886.440	50.8	-29.5	46.0	34.380	H	74	23.2
17352.980	50.8	-30.0	43.4	37.412	H	74	23.2
17797.020	50.8	-29.9	46.0	34.732	V	74	23.2
17349.580	50.7	-30.0	43.4	37.312	H	74	23.3

Measurement results for Set.4:
EUT1 FM Mode/QP detector

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
45.908000	10.66	29.54	18.88	302.0	H	135.0
55.899000	10.08	29.54	19.46	302.0	H	-31.0
102.750000	8.59	33.06	24.47	223.0	H	-45.0
197.616000	8.12	33.06	24.94	322.0	H	225.0
414.508000	13.05	35.56	22.51	100.0	V	135.0
593.085000	16.88	35.56	18.68	175.0	V	177.0

EUT1 FM Mode/Average detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17351.280	40.9	-30.0	43.4	27.512	V	54	13.1
17362.840	40.9	-30.0	43.4	27.512	H	54	13.1
17896.980	40.6	-29.5	46.0	24.180	H	54	13.4
17326.460	40.5	-29.7	43.4	26.840	V	54	13.5
17323.400	40.5	-29.7	43.4	26.840	V	54	13.5
17418.600	40.5	-29.4	44.4	25.586	H	54	13.5

EUT1 FM Mode/Peak detector

Frequency (MHz)	Result (dB μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V)	Polarity	Limit (dB μ V/m)	Margin (dB)
17912.960	52.0	-29.3	46.0	35.372	V	74	22.0
17455.320	51.1	-29.9	44.4	36.617	H	74	22.9
17938.800	50.9	-29.4	46.7	33.639	H	74	23.1
17897.320	50.9	-29.5	46.0	34.480	V	74	23.1
17473.680	50.8	-30.1	44.4	36.505	H	74	23.2
17796.680	50.7	-29.9	46.0	34.632	V	74	23.3

EUT1 Charger1 + REAR Camera Mode, Set.1

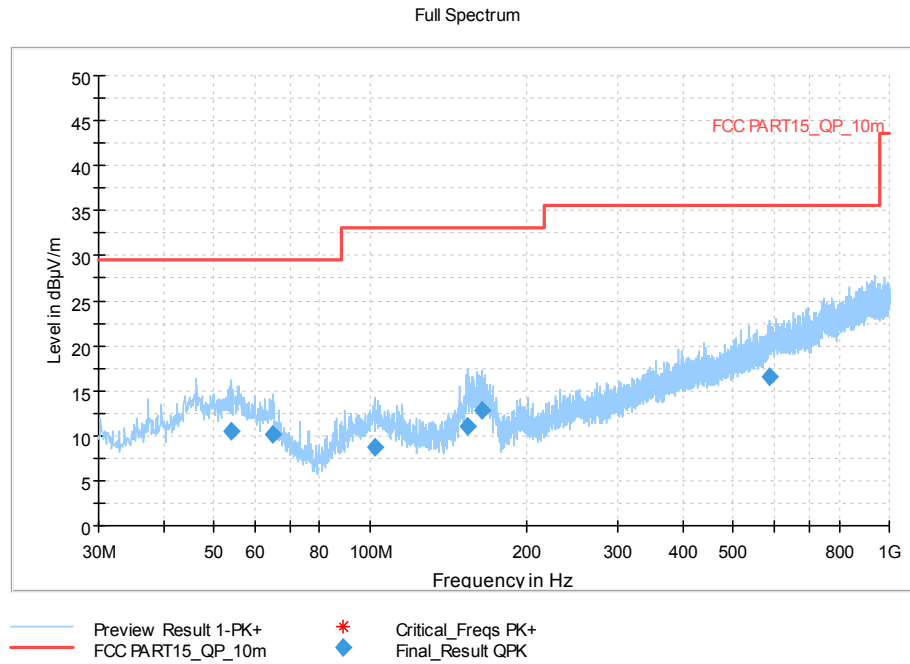


Figure A.1 Radiated Emission from 30MHz to 1GHz

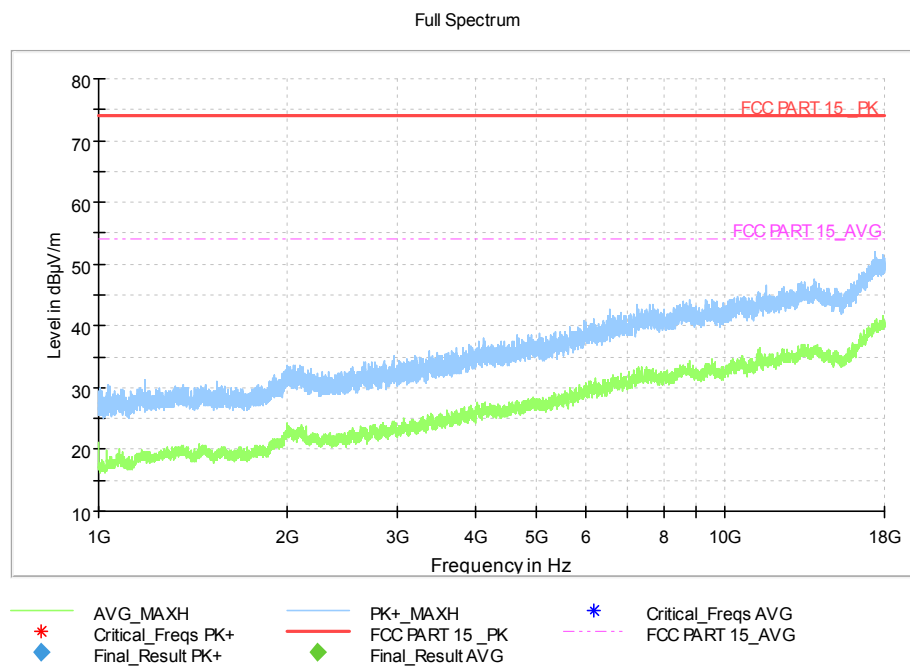


Figure A.2 Radiated Emission from 1GHz to 18GHz

EUT1 Charger2 +MP4 + GSM 850MHz idle Mode, Set.2

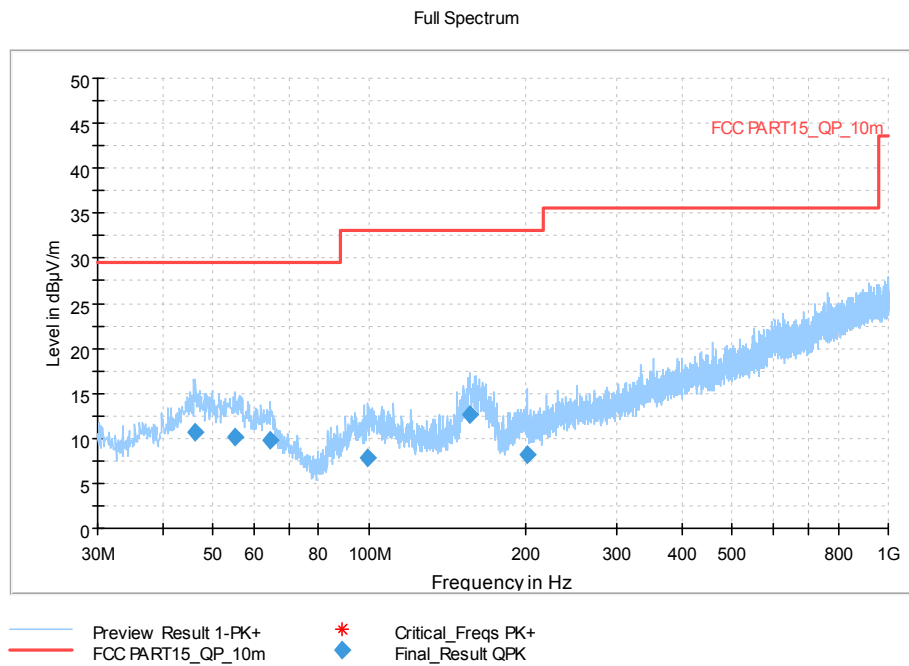


Figure A.3 Radiated Emission from 30MHz to 1GHz

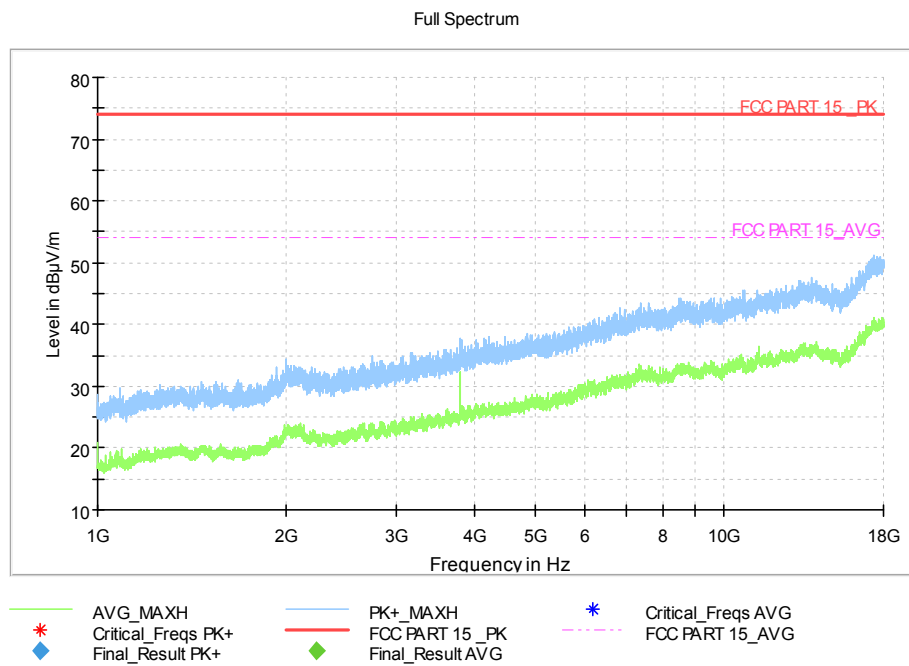


Figure A.4 Radiated Emission from 1GHz to 18GHz

EUT1 USB Mode, Set.3

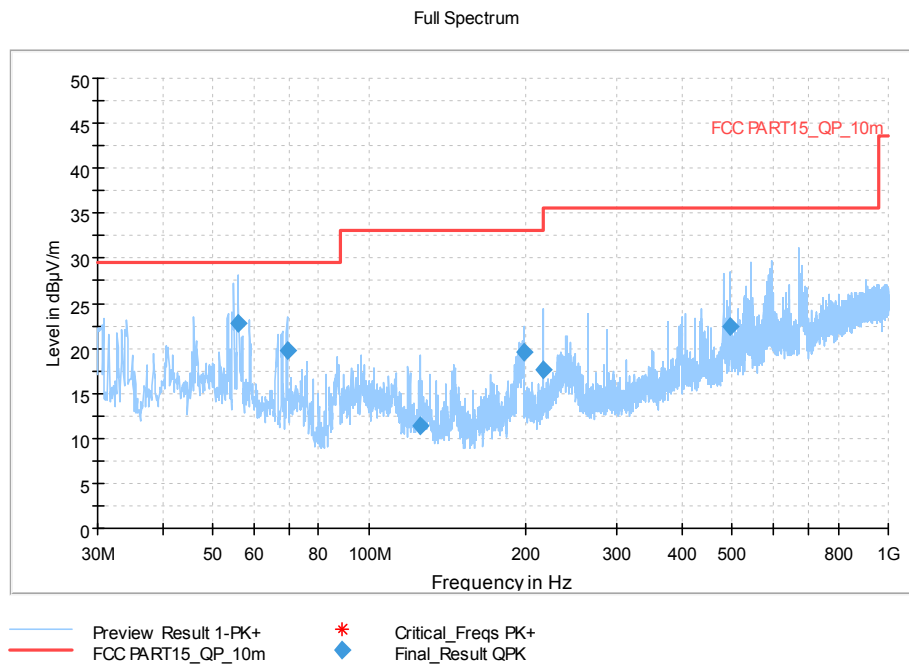


Figure A.5 Radiated Emission from 30MHz to 1GHz

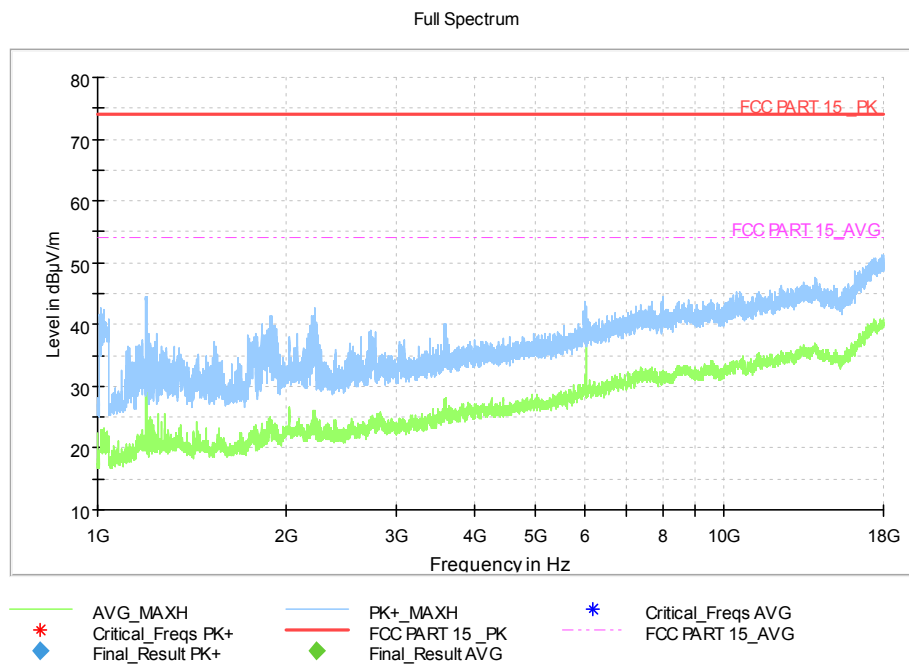


Figure A.6 Radiated Emission from 1GHz to 18GHz

EUT1 FM Mode, Set.4

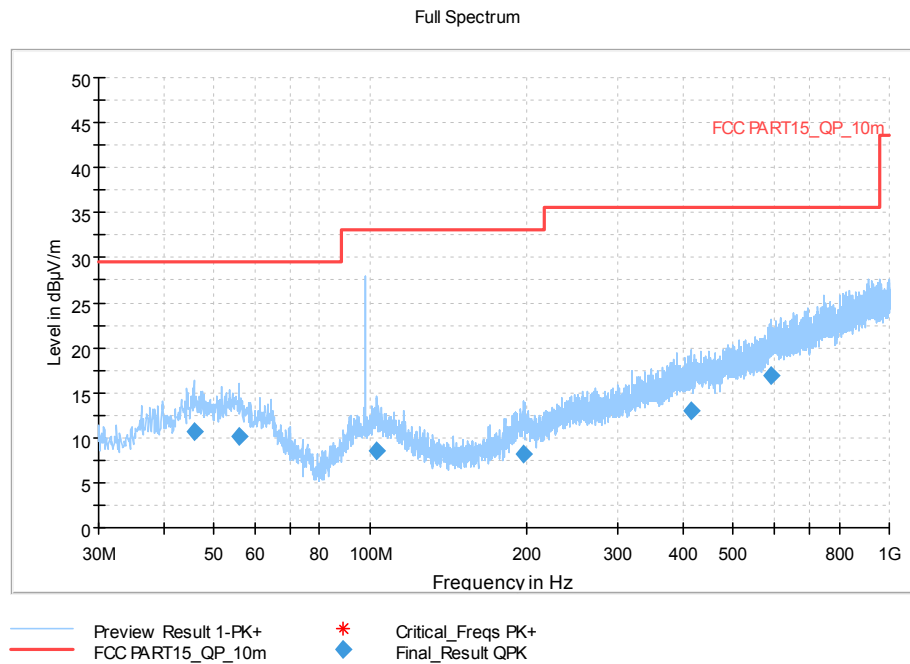


Figure A.6 Radiated Emission from 30MHz to 1GHz

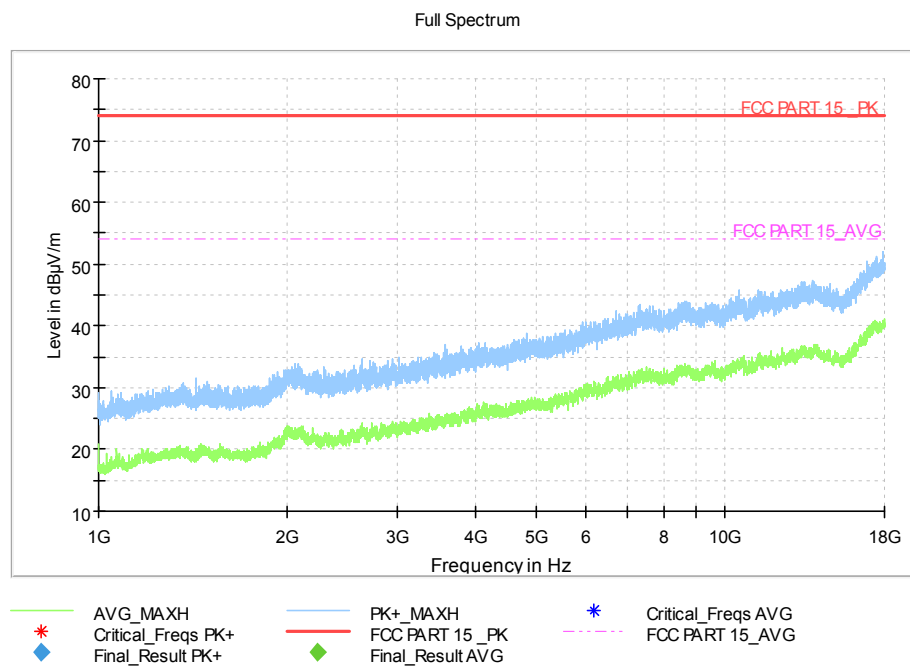


Figure A.7 Radiated Emission from 1GHz to 18GHz

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 is connected to a charger in the case of charging mode.

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: The measurement results showed here are worst cases of the combinations of different Battery, cables and Headset.

Note: The measurement results showed here are worst cases.

EUT1 Charger+REAR Camera Mode, Set.1

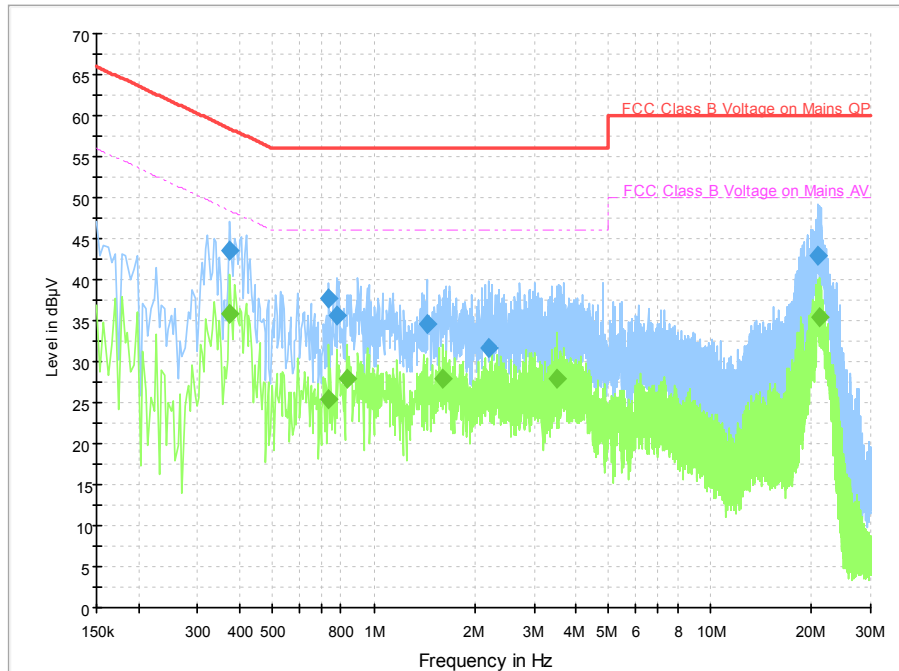


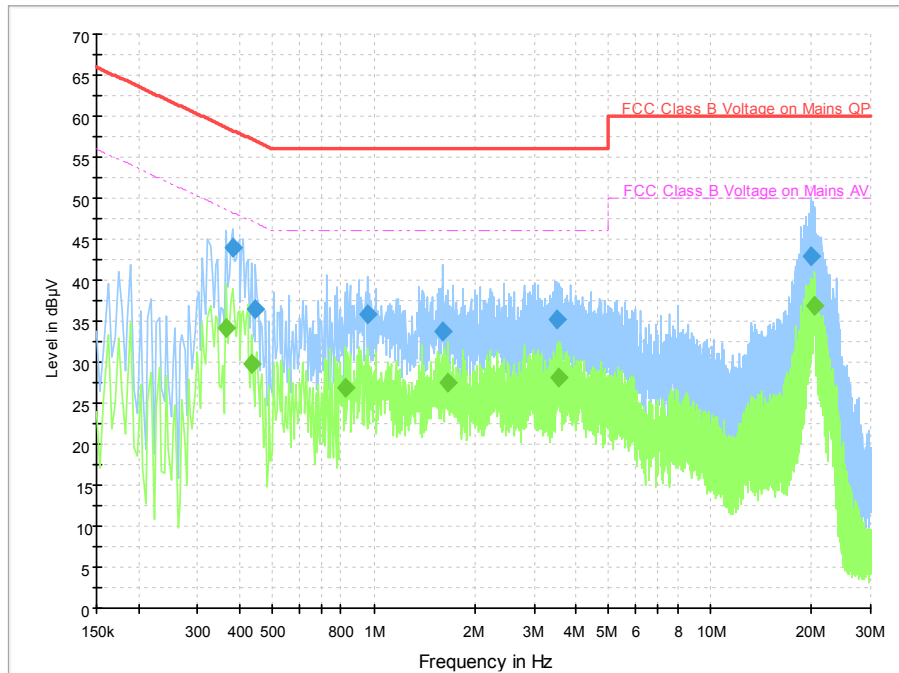
Figure A.7 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.374000	43.5	2000.0	9.000	On	L1	19.7	14.9	58.4
0.734000	37.8	2000.0	9.000	On	L1	19.7	18.2	56.0
0.774000	35.6	2000.0	9.000	On	L1	19.7	20.4	56.0
1.438000	34.7	2000.0	9.000	On	L1	19.7	21.3	56.0
2.194000	31.7	2000.0	9.000	On	N	19.6	24.3	56.0
20.810000	42.9	2000.0	9.000	On	L1	19.7	17.2	60.0

Final Result 2

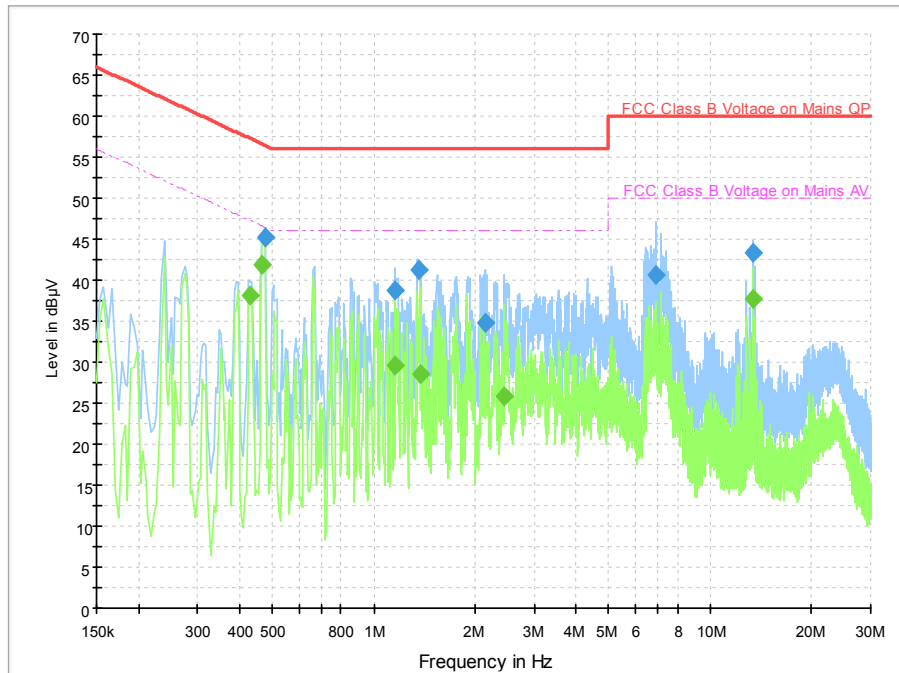
Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.374000	35.9	2000.0	9.000	On	L1	19.7	12.5	48.4
0.734000	25.4	2000.0	9.000	On	L1	19.7	20.6	46.0
0.830000	27.9	2000.0	9.000	On	L1	19.7	18.1	46.0
1.602000	27.8	2000.0	9.000	On	L1	19.6	18.2	46.0
3.518000	27.8	2000.0	9.000	On	L1	19.6	18.2	46.0
21.218000	35.4	2000.0	9.000	On	L1	19.7	14.6	50.0

EUT1 Charger2 +MP4 + GSM 850MHz idle Mode, Set.2

Figure A.8 Conducted Emission
Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.382000	44.0	2000.0	9.000	On	L1	19.7	14.2	58.2
0.446000	36.4	2000.0	9.000	On	L1	19.7	20.5	56.9
0.958000	35.9	2000.0	9.000	On	L1	19.6	20.1	56.0
1.606000	33.8	2000.0	9.000	On	N	19.6	22.2	56.0
3.486000	35.2	2000.0	9.000	On	L1	19.6	20.8	56.0
19.862000	42.9	2000.0	9.000	On	L1	19.8	17.1	60.0

Final Result 2

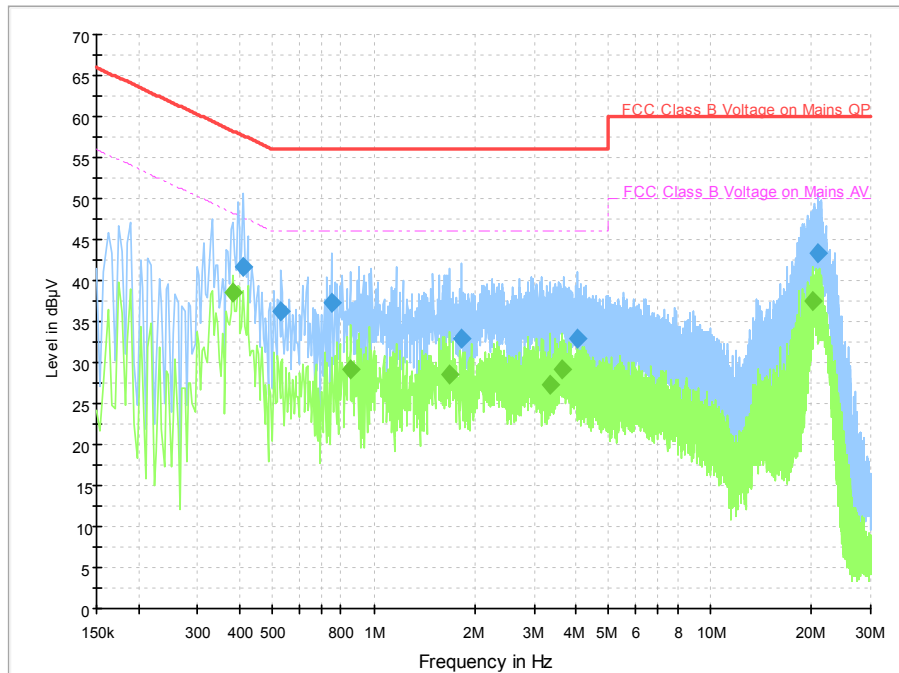
Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.366000	34.2	2000.0	9.000	On	L1	19.7	14.4	48.6
0.434000	29.8	2000.0	9.000	On	L1	19.7	17.4	47.2
0.822000	26.9	2000.0	9.000	On	L1	19.7	19.1	46.0
1.662000	27.6	2000.0	9.000	On	L1	19.6	18.4	46.0
3.538000	28.2	2000.0	9.000	On	L1	19.6	17.8	46.0
20.366000	37.0	2000.0	9.000	On	L1	19.8	13.0	50.0

EUT1 USB Mode, Set.3

Figure A.9 Conducted Emission
Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.474000	45.1	2000.0	9.000	On	L1	19.7	11.3	56.4
1.158000	38.9	2000.0	9.000	On	L1	19.7	17.1	56.0
1.354000	41.2	2000.0	9.000	On	L1	19.6	14.8	56.0
2.142000	34.8	2000.0	9.000	On	N	19.6	21.2	56.0
6.878000	40.5	2000.0	9.000	On	N	19.6	19.5	60.0
13.358000	43.4	2000.0	9.000	On	L1	19.7	16.6	60.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.430000	38.0	2000.0	9.000	On	L1	19.7	9.2	47.3
0.466000	42.0	2000.0	9.000	On	N	19.7	4.6	46.6
1.158000	29.5	2000.0	9.000	On	L1	19.7	16.5	46.0
1.382000	28.4	2000.0	9.000	On	N	19.6	17.6	46.0
2.446000	25.8	2000.0	9.000	On	N	19.6	20.2	46.0
13.358000	37.6	2000.0	9.000	On	L1	19.7	12.4	50.0

EUT1 FM Mode, Set.4

Figure A.9 Conducted Emission
Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.410000	41.6	2000.0	9.000	On	N	19.7	16.1	57.6
0.530000	36.2	2000.0	9.000	On	L1	19.7	19.8	56.0
0.750000	37.3	2000.0	9.000	On	L1	19.7	18.7	56.0
1.826000	32.9	2000.0	9.000	On	N	19.6	23.1	56.0
4.022000	33.0	2000.0	9.000	On	N	19.6	23.0	56.0
20.786000	43.3	2000.0	9.000	On	L1	19.7	16.7	60.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.382000	38.5	2000.0	9.000	On	L1	19.7	9.7	48.2
0.854000	29.2	2000.0	9.000	On	L1	19.7	16.8	46.0
1.678000	28.5	2000.0	9.000	On	L1	19.6	17.5	46.0
3.358000	27.3	2000.0	9.000	On	L1	19.6	18.7	46.0
3.618000	29.2	2000.0	9.000	On	L1	19.6	16.8	46.0
20.182000	37.4	2000.0	9.000	On	L1	19.8	12.6	50.0



ANNEX B: Persons involved in this testing

Test Item	Tester
Conducted Continuous Emission	Zhang Tianli
Radiated Continuous Emission	Li Pengfei, Yan Hanchen



ANNEX C: TEST LAYOUT

Secrecy blank
Radiated Continuous Emission(30MHz-1GHz)

Secrecy blank
Radiated Continuous Emission((1GHz-18GHz)

Secrecy blank
Conducted Continuous Emission

ANNEX D: Accreditation Certificate

<p>United States Department of Commerce National Institute of Standards and Technology</p>  	
<hr/> Certificate of Accreditation to ISO/IEC 17025:2017 <hr/>	
NVLAP LAB CODE: 600118-0	
Telecommunication Technology Labs, CAICT Beijing China	
<i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i>	
Electromagnetic Compatibility & Telecommunications	
<i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).</i>	
<hr/> 2022-10-01 through 2023-09-30 <i>Effective Dates</i>	 For the National Voluntary Laboratory Accreditation Program

END OF REPORT