RF EXPOSURE REPORT

Report No.:	20250317G05164X-W8
Product Name:	5G Mobile Phone
Model No.:	VTL-202402
FCC ID:	2BGHD-VTL202402
IC:	32468-VTL202402
Applicant:	Chengdu Xiaochen Technology Co., Ltd
Address:	3rd Floor, Building B15, Ganzhizhongguo Chengdu Center, No. 777 HuafuAvenue Shuangliu County, Chengdu City, Sichuan province, China
Dates of Testing:	03/18/2025 - 05/12/2025
Issued by:	CCIC Southern Testing Co., Ltd.
Lab Location:	Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China. Query E-Mail: manager@ccic-set.com Feedback E-Mail: integrity@ccic-set.com Report Query Tel: 0755-26627338 Feedback Tel: 0755-86185963

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Test Report

Product.....:	5G Mobile Phone
Brand Name.....:	Vertu
Applicant.....:	Chengdu Xiaochen Technology Co., Ltd
Applicant Address.....:	3rd Floor, Building B15, Ganzhizhongguo Chengdu Center, No. 777 HuafuAvenue Shuangliu County, Chengdu City, Sichuan province, China
Manufacturer.....:	VERTU INTERNATIONAL CORPORATION LIMITED
Manufacturer Address.....:	Chase Business Centre 39-41 Chase Side London England N14 5BP
Test Standards.....:	47 CFR Part 2.1093 RSS-102 Issue 6 December 15, 2023
Test Result.....:	Pass

Tested by .....: Chuiwang Zhang 2025.05.12

Chuiwang Zhang, Test Engineer

Reviewed by.....: Sun Jiaohui 2025.05.12

Sun Jiaohui, Senior Engineer

Approved by.....: Chris You 2025.05.12

Chris You, Manager

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Change History		
Issue	Date	Reason for change
1.0	2025.05.12	First edition

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	5G Mobile Phone
Model No.	VTL-202402
Hardware Version	P10
Software Version	15.0.0_4.02.02.01
Device Type	Portable Device
EUT supports Radios application	NFC
Frequency Range	13.553~13.567MHz
Modulation Type	ASK
Antenna gain	0 dBi
Antenna Type	Internal Antenna

1.2. EUT Description

EUT has been tested according to the following standards.

No.	Identity	Document Title
1	47 CFR Part 1	Practice and Procedure
2	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
3	KDB 447498 D01 General RF Exposure Guidance v06	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
4	RSS-102 Issue 6 December 15, 2023	Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)

1.3. Laboratory Facilities and Accreditation Certificate

☒**CCIC-SET Lab 1**

Address: Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China

FCC-Registration No.: CN1283

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until Jun. 30th, 2025.

ISED Registration: 11185A, CAB number: CN0064

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A on Aug. 04, 2016, valid time is until Jun. 30th, 2025.

A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

CNAS L1659

CCIC Southern Testing Co., Ltd. CCIC is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

☐**CCIC-SET Lab 4**

Address: No.125, Hongmei Section, Wangsha Road, Hongmei Town, Dongguan City, Guangdong Province, China

CNAS L1659

CCIC Southern Testing Co., Ltd. CCIC is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

2. Technical Requirements Specification in CFR Title 47 Part 2.1093

2.1. Evaluation method

According to KDB 447498 D01 General RF Exposure Guidance v06, clause 4.3. General SAR test exclusion guidance:

c) For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C):

1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by [1 + log(100/$f_{(MHz)}$)]

2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by ½

3) SAR measurement procedures are not established below 100 MHz.

2.2. Evaluation Results

Frequency (MHz)	Field strength (dBμV/m@3m)	Radiated Power (EIRP)(mW)	Conducted power (mW)	Exclusion Threshold Level(mW)
13.56	3.2	0	0	443

Notes:

Conducted power = Radiated Power (EIRP) - Antenna Gain.

EIRP[dBm] = E[dBμV/m] - 95.2 = 3.2dBμV/m - 95.2 = -92.0dBm ≈ 0mW.

Exclusion Threshold Level = [474]*(1+log(100/$f_{(MHz)}$))]/2 = 433mW.

2.3. Conclusion

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.

3. Technical Requirements Specification in RSS-102

3.1. Evaluation method

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1.

Table 1: SAR evaluation – Exemption limits for routine evaluation based on frequency and separation distance[4,5]

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of ≤5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm
≤300	71 mW	101 mW	132 mW	162 mW	193 mW
450	52 mW	70 mW	88 mW	106 mW	123 mW
835	17 mW	30 mW	42 mW	55 mW	67 mW
1900	7 mW	10 mW	18 mW	34 mW	60 mW
2450	4 mW	7 mW	15 mW	30 mW	52 mW
3500	2 mW	6 mW	16 mW	32 mW	55 mW
5800	1 mW	6 mW	15 mW	27 mW	41 mW

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of 30 mm	At separation distance of 35 mm	At separation distance of 40 mm	At separation distance of 45 mm	At separation distance of ≥50 mm
≤300	223 mW	254 mW	284 mW	315 mW	345 mW
450	141 mW	159 mW	177 mW	195 mW	213 mW
835	80 mW	92 mW	105 mW	117 mW	130 mW
1900	99 mW	153 mW	225 mW	316 mW	431 mW
2450	83 mW	123 mW	173 mW	235 mW	309 mW
3500	86 mW	124 mW	170 mW	225 mW	290 mW
5800	56 mW	71 mW	85 mW	97 mW	106 mW

3.2. Evaluation Results

Frequency (MHz)	Field strength (dBμV/m@3m)	Radiated Power (EIRP)(mW)	Conducted power (mW)	Distance (mm)	Exemption Limits (mW)
13.56	3.2	0	0	≤ 5	71

Notes:

1. Conducted power = Radiated Power (EIRP) - Antenna Gain.
2. EIRP[dBm] = E[dBμV/m] - 95.2 = 3.2dBμV/m - 95.2 = -92.0dBm ≈ 0mW.

3.3. Conclusion

According to the RSS-102 Radio Frequency (RF) Exposure Compliance section 2.5.1 determine the device is exclusion from SAR test.

** END OF REPORT **