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CNAS L5785

TEST REPORT

Report No. : CQASZ20260601319E-02
Applicant: Chengdu Xiaochen Technology Co., Ltd
Address of Applicant: 3rd Floor, Building B6, Ganzhizhongguo Chengdu Center, No.777 Huafu Avenue
Shuangliu County, Chengdu City, Sichuan province, China
Equipment Under Test (EUT):
EUT Name: VERTU Cor Chain
Model No.: VAC11001
Test Model No.: VAC11001
Brand Name: ivertu
FCC ID: 2BGHD-VAC11001
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-06-24
Date of Test: 2026-06-24 to 2026-07-20
Date of Issue: 2026-07-27
Test Result : PASS

Tested By:

Lewis Zhou

(Lewis Zhou)

Reviewed By:

Timo Lei

(Timo Lei)

Approved By:

Jack Ai

(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260601319E-02	Rev.01	Initial report	2026-07-27

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3. General Information

4. Client Information

Applicant:	Chengdu Xiaochen Technology Co., Ltd
Address of Applicant:	3rd Floor, Building B6, Ganzhizhongguo Chengdu Center, No.777 Huafu Avenue Shuangliu County, Chengdu City, Sichuan province, China
Manufacturer:	Chengdu Xiaochen Technology Co., Ltd
Address of Manufacturer:	3rd Floor, Building B6, Ganzhizhongguo Chengdu Center, No.777 Huafu Avenue Shuangliu County, Chengdu City, Sichuan province, China
Factory:	Chengdu Xiaochen Technology Co., Ltd
Address of Factory:	3rd Floor, Building B6, Ganzhizhongguo Chengdu Center, No.777 Huafu Avenue Shuangliu County, Chengdu City, Sichuan province, China

5. General Description of EUT

Product Name:	VERTU Cor Chain
Model No.:	VAC11001
Test Model No.:	VAC11001
Trade Mark:	ivertu
Software Version:	V9F01_V001
Hardware Version:	V9_MB_V1
Modulation Type:	GFSK
Transfer Rate:	1Mbps
Number of Channel:	40
Antenna Type:	Chip antenna
Antenna Gain:	1.73dBi
Product Type:	☐ Mobile ☒ Portable
Power Supply:	Li-ion battery DC 3.8V 21mAh/0.0798Wh, Charge by DC 5V for adapter

RF Exposure Evaluation

RF Exposure Compliance Requirement

Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

EUT RF Exposure

1) For BLE

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	0.14	0.5±1	1.5	1.41
Middle(2440MHz)	2.16	2.5±1	3.5	2.24
Highest(2480MHz)	1.52	1.5±1	2.5	1.78

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.413	0.439	3.0
Middle (2440MHz)	2.239	0.699	
Highest (2480MHz)	1.778	0.560	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260601319E-01