

RF EXPOSURE REPORT

Applicant:	AVer Information Inc		
Address:	No. 157, Da-An Rd., Tucheng Dist., New Taipei City 236042, Taiwan.		
Manufacturer:	AVer Information Inc		
Address:	No. 157, Da-An Rd., Tucheng Dist., New Taipei City 236042, Taiwan.		
Product Description:	AVer UC500 Mini PC		
Brand Name:	AVer		
Tested Model:	UC500		
FCC ID:	2AHDGR200		
Report No.:	JCF260717061-011		
Received Date:	Aug. 20, 2026		
Tested Date:	Aug. 20, 2026 ~ Sep. 14, 2026		
Issued Date:	Sep. 14, 2026		
Test Standards:	KDB 447498 D01 General RF Exposure Guidance v06		
Test Result:	Pass		
Prepared By:			
 <u>Roger Li/Engineer</u> Date: Sep. 14, 2026			
Reviewed By:			
 <u>Kennys Zhang/Engineer</u> Date: Sep. 14, 2026			
Approved By:			
 <u>Talent Zhang/Engineer</u> Date: Sep. 14, 2026			

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
--	/	Sep. 14, 2026	Original Report	/

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1. Test Report Declare

Applicant:	AVer Information Inc
Address:	No. 157, Da-An Rd., Tucheng Dist., New Taipei City 236042, Taiwan.
Manufacturer:	AVer Information Inc
Address:	No. 157, Da-An Rd., Tucheng Dist., New Taipei City 236042, Taiwan.
Product Name	AVer UC500 Mini PC
Brand Name:	AVer
Model Name:	UC500, UC500XXXXX
Difference Description:	X can be any alphanumeric, symbol or blank for marketing purposes

We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

2. Equipment Under Test

2.1. Description of EUT

EUT* Name:	AVer UC500 Mini PC
Model Number:	UC500
EUT Function Description:	Please refer to user manual of this device
Power Supply:	19VDC 6.32A
Hardware Version:	NA
Software Version:	NA
Radio Specification:	Bluetooth V5.2, IEEE 802.11a/b/g/n/ac/ax
Operation Frequency:	Bluetooth: 2402MHz-2480MHz IEEE802.11b/g/n/a/ac/ax: 2412MHz-2462MHz, 5180MHz—5825MHz
Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11a/g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac (VHT20/40/80/160): OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax (HE20/40/80/160): OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Type:	Bluetooth: FPC Antenna, 2.79 dBi 2.4G WIFI: FPC Antenna1, 2.79 dBi, FPC Antenna2, 1.73 dBi 5G WIFI: FPC Antenna1, 4.49 dBi, FPC Antenna2, 2.61 dBi, Directional Gain: 6.61dBi
Product Type:	☐ Portable device ☒ Mobile device ☐ Fixed device

Antenna:			
Manufacturer	Model	Type	Max Gain
Sichuan Boantong Communication Technology Co., Ltd.	CBS85D-SHA-G1	FPC	2.4G Ant. 1: 2.79dBi 5G Ant. 1: 4.49dBi
	CBS85D-SHA-G2	FPC	2.4G Ant. 2: 1.73dBi 5G Ant. 2: 2.61dBi

Note 1: EUT is the ab. of equipment under test.

Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

2.2. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
BT&BLE	☒ 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
2.4G WIFI	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
5G WIFI	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.

3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03

FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

4. RF Exposure Measurement

4.1. Requirement

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

4.2. Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (Minutes)
Limits For General Population / Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

* = Plane-wave equivalent power density.

4.3. MPE Calculation Formula

$$P_d = (P_{out} * G) / (4 * \pi * R^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

4.4. Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as Mobile Device.

4.5. Conducted Power

Band	Channel Frequency (MHz)	Max conducted power
BT&BLE	2402 ~ 2480	8.23
2.4G WIFI	2412 ~ 2462	16.33
5G WIFI	5180 ~ 5825	14.54

5. RF Exposure Calculation

We used the maximum power between the conducted power and ERP/EIRP to perform RF exposure exemption evaluation.

Band	Channel Frequency (MHz)	Max tune up Power (dBm)	Antenna Gain (dBi)	Power Density (mW/cm ²)	Limit (mW/cm ²)	PASS/FAIL
BT&BLE	2402 ~ 2480	8.23	2.79	0.0025	1	PASS
2.4G WIFI	2412 ~ 2462	16.33	2.79	0.0163	1	PASS
5G WIFI	5180 ~ 5825	14.54	4.49	0.0159	1	PASS

Both of the WLAN and BT can transmit simultaneously, the formula of calculated the MPE is:

$CPD1/LPD1 + CPD2/LPD2 + \dots \text{etc.} < 1$

CPD = Calculation power density

LPD = Limit of power density

Therefore the worst-case situation is $0.0025/1.00 + 0.0163/1.00 = 0.0188$, which is less than "1", This confirmed that the device comply with FCC 1.1310 MPE limit.

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