



Report No.: PTC22021806201E-FC04

FCC TEST REPORT

FCC ID: 2A6GBAOKC10S

Product	:	mini pc
Model Name	:	KC10
Brand	:	N/A
Report No.	:	PTC22021806201E-FC04
Prepared for		
aopoo technology co.,ltd		
Room 706, Bens Tower, Ganli 6 road, longhua district,Shenzhen city		
Prepared by		
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Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China		



TEST RESULT CERTIFICATION

Applicant's name : aopoo technology co.,ltd.
Address : Room 706, Bens Tower, Ganli 6 road, longhua district,Shenzhen city.
Manufacture's name : aopoo technology co.,ltd.
Address : Room 706, Bens Tower, Ganli 6 road, longhua district,Shenzhen city.
Product name : mini pc
Model name : KC10
Test procedure : KDB 447498 D01 General RF Exposure Guidance v06
Test Date : Apr. 08, 2022 to Apr. 16, 2022
Date of Issue : Apr. 16, 2022
Test Result : Pass

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink that reads "Simon Pu".

Simon Pu / Engineer

Technical Manager:

A handwritten signature in black ink that reads "Ronnie Liu".

Ronnie Liu / Manager



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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	mini pc
Model Name	:	KC10
Additional model	:	KC10F,AC1-DP,AC1-Z,TK10,TK11,G1,WS10,WS10F Note:The appearance of the product is different.
Specification	:	802.11b/g/n HT20 BT 5.1 BLE 802.11a/n HT20/HT40/ac20/ac40
Operation Frequency	:	2.4G Wifi :2412-2462MHz 5G Wifi:5150-5250 MHz 5.8G Wifi:5725MHz~5850MHz
Number of Channel	:	11 channels for 802.11b/g; n(HT20) 7 channels for 802.11n(HT40) 4 channels for 802.11a/n20/ac20 5150-5250 MHz 5 channels for 802.11a/n20/ac20 5725MHz~5850MHz 2 channels for 802.11n40/ac40 5150-5250 MHz 2 channels for 802.11n40/ac40 5725MHz~5850MHz 40 channels for BLE
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n/a/ac; GFSK For BT
Antenna installation	:	FPC antenna A FPC antenna B Note1: For Bluetooth just only Used antenna B) Note2:Single transmission, not simultaneous transmission
Antenna Gain	:	3 dBi
Power supply	:	Adapter model:ADP-65JH-DB Input : AC100-240V 50/60HZ 1.5A, Output:DC 19V 3.42A
Hardware Version	:	N/A
Software Version	:	N/A



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
2.4G WIFI Ant A	2.0	17.824	60.590	0.0241	1	Pass
2.4G WIFI Ant B	2.0	17.232	52.869	0.0210	1	Pass
5.1G WIFI Ant A	2.0	18.809	76.015	0.0302	1	Pass
5.1G WIFI Ant B	2.0	17.814	60.451	0.0241	1	Pass
5.8G WIFI Ant A	2.0	19.935	98.514	0.0392	1	Pass
5.8G WIFI Ant B	2.0	18.889	77.428	0.0308	1	Pass
BLE Ant B	2.0	4.325	2.707	0.0011	1	Pass

Notes: it is not supports simultaneous transmission

*****THE END REPORT*****