



FCC TEST REPORT

FCC ID: 2A6NBCX215C

Product	:	Touch computer all in one machine
Model Name	:	CX215C
Brand	:	Cusn
Report No.	:	PTC22041904001E-FC03
Prepared for		
Guangzhou Chuxun electronic Technology Co., LTD		
Room 501, Building 2, NO.1 DongXingRoad, Nancun village, Nancun Town, Panyu District, Guangzhou city		
Prepared by		
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TEST RESULT CERTIFICATION

Applicant's name : Guangzhou Chuxun electronic Technology Co., LTD
Address : Room 501,Building 2,NO.1 DongXingRoad,Nancun village,Nancun Town,Panyu District, Guangzhou city
Manufacture's name : Guangzhou Chuxun electronic Technology Co., LTD
Address : Room 501,Building 2,NO.1 DongXingRoad,Nancun village,Nancun Town,Panyu District, Guangzhou city
Product name : Touch computer all in one machine
Model name : CX215C
Test procedure : KDB447498 D01 V06
Date of Issue : Apr. 21, 2022 to May. 7, 2022
Test Result : May. 7, 2022

This device described above has been tested by PTC, 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	:	Touch computer all in one machine
Model Name	:	CX215C
Specification	:	802.11b/g/n HT20 BT BDR+EDR
Operation Frequency	:	2412-2462MHz for 802.11b/g/ n(HT20) 2402-2480MHz
Number of Channel	:	11 channels for 802.11b/g/ n(HT20) 79 channels for BDR+EDR
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; GFSK, $\pi/4$ -DQPSK, 8DPSK For DSS(BT)
Antenna installation	:	Integral antenna
Antenna Gain	:	2 dBi
Power supply	:	Adapter:GM53-120400-F Input: AC100-240V 50/60Hz 2.0A Output: DC 12V□4.0A
Hardware Version	:	Touch computer all in one machine
Software Version	:	Android 8.1.0



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

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

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

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

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

Wi-Fi:

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
2462	1.58	24.09	256.45	0.08085	1	Pass

BT:

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
2402	1.58	7.62	5.780960474	0.00182	1	Pass

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