



FCC TEST REPORT

FCC ID: 2A9V8-D1T

Product	:	StarryHub ClickDrop
Model Name	:	D1T、D1U
Brand	:	CZUR
Report No.	:	PTC23021300802E-FC03
Sample ID	:	PTC23021300802E-01#
Prepared for		
CZUR TECH CO., LTD		
RM722, Block B, Podium of Buiding No. 12, Shenzhen Bay Eco-Technology Park Shenzhen, China		
Prepared by		
Precise Testing & Certification Co., Ltd.		
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Report No.: PTC23021300802E-FC03

TEST RESULT CERTIFICATION

Applicant's name : CZUR TECH CO., LTD
Address : RM722, Block B, Podium of Buiding No. 12, Shenzhen Bay Eco-Technology Park Shenzhen, China
Manufacture's name : CZUR TECH CO., LTD
Address : RM722, Block B, Podium of Buiding No. 12, Shenzhen Bay Eco-Technology Park Shenzhen, China
Product name : StarryHub ClickDrop
Model name : D1T、D1U
Test procedure : KDB 447498 D01 General RF Exposure Guidance v06
Test Date : Feb. 27, 2023 to Mar. 08, 2023
Date of Issue : Mar. 09, 2023
Test Result : Pass

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, appearing to read 'Simon Pu'.

Simon Pu / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Ronnie Liu'.

Ronnie Liu / Manager



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Report No.: PTC23021300802E-FC03

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	:	StarryHub ClickDrop
Model Name	:	D1T、D1U
Additional model		Note : The appearance and color of the product are different, and the electrical principle is the same. The main test model is D1T
Specification	:	802.11b/g/n HT20/HT40
Operation Frequency	:	2412-2462MHz for 802.11b/g/ n(HT20) 2422-2452MHz for 802.11n(HT40) For 802.11a/n-HT20: 5745~5825MHz For 802.11n-HT40: 5755~5795MHz
Number of Channel	:	11 channels for 802.11b/g/ n(HT20) 7 channels for 802.11 n(HT40) 5 channels for 802.11a/n-HT20 2 channels for 802.11n-HT40
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK ; OFDM with BPSK/QPSK/16QAM/64QAM
Antenna Type	:	Fpcb Antenna
Antenna Gain	:	3.61dBi / 1.62 dBi
Power supply	:	DC5V
Hardware Version	:	ES06T-C V1.1
Software Version	:	ES06T-C-CZ-V1.2



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	Direction Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mw)	Power Density (mW/cm2)	total	Limit of Power Density (mW/cm2)	Result
2.4GWi-Fi	2.3	19.02	79.7995	0.0366	0.0408	1	Pass
5GWi-Fi	1.45	15.02	31.7687	0.0042			

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