



FCC TEST REPORT

FCC ID: 2A9V8-STARRYHUB

Product	:	Business Conference System
Model Name	:	StarryHub Q1 Pro、StarryHub Q1、StarryHub Q1S、StarryHub Q1S Max、StarryHub Q1S Plus、StarryHub Q1S Pro
Brand	:	CZUR
Report No.	:	PTC22091504702E-FC05
Sample ID	:	PTC22091504702E-01#
Prepared for		
CZUR TECH CO., LTD		
RM722, Block B, Podium of Buiding No. 12, Shenzhen Bay Eco-Technology Park, No. 10 Gaoxin South RD., Nanshan District, Shenzhen, China		
Prepared by		
Precise Testing & Certification Co., Ltd.		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.		



Report No.: PTC20120302102E-FC02

TEST RESULT CERTIFICATION

Applicant's name : CZUR TECH CO., LTD

Address : RM722, Block B, Podium of Buiding No. 12, Shenzhen Bay Eco-Technology Park, No. 10 Gaoxin South RD., Nanshan District, Shenzhen, China

Manufacture's name : CZUR TECH CO., LTD

Address : RM722, Block B, Podium of Buiding No. 12, Shenzhen Bay Eco-Technology Park, No. 10 Gaoxin South RD., Nanshan District, Shenzhen, China

Product name : Business Conference System

Model name : StarryHub Q1 Pro、StarryHub Q1、StarryHub Q1S、StarryHub Q1S Max、StarryHub Q1S Plus、StarryHub Q1S Pro

Test procedure : KDB 447498 D01 General RF Exposure Guidance v06

Test Date : Oct. 28, 2022 to Dec. 12, 2022

Date of Issue : Dec. 13, 2022

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.: PTC20120302102E-FC02

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	:	Business Conference System
Model Name	:	StarryHub Q1 Pro、StarryHub Q1、StarryHub Q1S、StarryHub Q1S Max、StarryHub Q1S Plus、StarryHub Q1S Pro
Additional model		Note: The appearance and color of the product are different, and the electrical principle is the same. The main test model is StarryHub Q1 Pro
Specification	:	802.11b/g/n HT20/HT40
Operation Frequency	:	2402-2480MHz for Bluetooth 2412-2462MHz for 802.11b/g/ n(HT20) 2422-2452MHz for 802.11n(HT40) For 802.11a/n-HT20/ac-VHT20: 5180~5240MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5190~5230MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5775MHz
Number of Channel	:	40channels for BLE 79 channels for BT 11 channels for 802.11b/g/ n(HT20) 7 channels for 802.11 n(HT40) 9 channels for 802.11a/n-HT20/ac-VHT20 4 channels for 802.11n-HT40/ac-VHT40 2 channels for 802.11ac-VHT80
Type of Modulation	:	GFSK, $\pi/4$ -DQPSK, 8DPSK DSSS with DBPSK/DQPSK/CCK ; OFDM with BPSK/QPSK/16QAM/64QAM
Antenna Type	:	Fpcb Antenna
Antenna Gain	:	1.61dBi / 1.39dBi; Direction Gain:4.61dBi
Power supply	:	DC 19V adaptor input AC120V 60Hz (Model: SH-AF150W)
Hardware Version	:	T.3399V01
Software Version	:	Starry-CPH22A-V1.2.11



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/cm ²)	total	Limit of Power Density (mW/cm ²)	Result
BT	1.61	8.38	6.8865	0.0020	0.205	1	Pass
2.4GWi-Fi	4.61	24.72	296.4831	0.1706			
5GWi-Fi	4.61	17.52	56.4937	0.0325			

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