



FCC TEST REPORT

FCC ID: 2A5A8SGDC2K

Product	:	DASH CAMERA
Model Name	:	SG9667DC2K
Brand	:	N/A
Report No.	:	PTC22021400302E-FC03
Prepared for		
RuiYou Pty Ltd		
Unit 10 /53-55 ,Governor Macquarie Drive , Chipping Norton , 2170 , Sydney, Australia		
Prepared by		
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Report No.: PTC22021400302E-FC03

TEST RESULT CERTIFICATION

Applicant's name : RuiYou Pty Ltd

Address : Unit 10 /53-55 ,Governor Macquarie Drive , Chipping Norton ,
2170 , Sydney, Australia

Manufacture's name : RuiYou Pty Ltd

Address : Unit 10 /53-55 ,Governor Macquarie Drive , Chipping Norton ,
2170 , Sydney, Australia

Product name : DASH CAMERA

Model name : SG9667DC2K

Test procedure : KDB 447498 D01 General RF Exposure Guidance v06

Test Date : Mar. 02, 2022 to Mar. 10, 2022

Date of Issue : Mar. 10, 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 "Carson Zhong".

Carson Zhong / Engineer

Technical Manager:

A handwritten signature in black ink that reads "Wu Weimin".

Wu Weimin /Manager



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Report No.: PTC22021400302E-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	:	DASH CAMERA
Model Name	:	SG9667DC2K
Additional model	:	N/A
Specification	:	802.11b/g/n HT20/HT40 802.11a
Operation Frequency	:	2412-2462MHz 5150-5250 MHz 5725MHz~5850MHz
Number of Channel	:	11 channels for 802.11b/g; n(HT20) 7 channels for 802.11n(HT40) 4 channels for 802.11a 5150-5250 MHz 5 channels for 802.11a 5725MHz~5850MHz
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/g/n;
Antenna installation	:	FPC antenna
Antenna Gain	:	2.29 dBi For 2.4G wifi 2.64 dBi For 5G Wifi
Power supply	:	DC 12V
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
2.4 WIFI	1.69	20.317	107.572	0.0362	1	Pass
5.1 G WIFI	1.84	18.816	76.138	0.0278	1	Pass
5.8G WIFI	1.84	18.714	74.370	0.0272	1	Pass

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