

TEST REPORT

Report No. : CQASZ20260801862E-02
Applicant: Shenzhen Interthings Technology Co.,Ltd.
Address of Applicant: 701, Building 1, Lechuanghui Building, No. 1211 Guanguang Road, Longhua District, Shenzhen, China
Equipment Under Test (EUT):
EUT Name: Digital Camera
Model No.: DC292, VECSFP128
Test Model No.: DC292
Brand Name: N/A
FCC ID: 2AQ7B-DC292
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-08-23
Date of Test: 2026-08-23 to 2026-08-31
Date of Issue: 2026-9-22
Test Result : **PASS**

Tested By: Azir Wang
(Azir Wang)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260801862E-02	Rev.01	Initial report	2026-9-22

Note:

Model No.:DC292, VECSFP128

Their electrical circuit design, layout, components used and internal wiring are identical,
only the sales customers are different.

2. Contents

1. VERSION	2
2. CONTENTS	3
3. CLIENT INFORMATION	4
4. GENERAL DESCRIPTION OF EUT	4
5. GENERAL DESCRIPTION OF 2.4G WIFI CLASSIC	4
6. RF EXPOSURE EVALUATION	5
RF EXPOSURE COMPLIANCE REQUIREMENT	5
<i>Standard Requirement</i>	5
<i>Limits</i>	5
7. EUT RF EXPOSURE	6

3. Client Information

Applicant:	Shenzhen Interthings Technology Co.,Ltd.
Address of Applicant:	701, Building 1, Lechuanghui Building, No. 1211 Guanguang Road, Longhua District,Shenzhen, China
Manufacturer:	Shenzhen Interthings Technology Co.,Ltd.
Address of Manufacturer:	701, Building 1, Lechuanghui Building, No. 1211 Guanguang Road, Longhua District,Shenzhen, China
Factory:	Shenzhen Interthings Technology Co.,Ltd.
Address of Factory:	701, Building 1, Lechuanghui Building, No. 1211 Guanguang Road, Longhua District,Shenzhen, China

4. General Description of EUT

Product Name:	Digital Camera
Model No.:	DC292, VECSFP128
Test Model No.:	DC292
Trade Mark:	N/A
Software Version:	FP128JSA-20260807
Hardware Version:	V1.1
Power Supply:	Li-ion battery DC 3.7V 700mAh, Charge by DC 5V for adapter

5. General Description of 2.4G WIFI Classic

Operation Frequency:	IEEE 802.11b/g: 2412MHz to 2462MHz
Type of Modulation:	802.11b: DSSS(CCK/QPSK/BPSK) 802.11g: OFDM(BPSK/QPSK/16QAM/64QAM)
Number of Channel:	IEEE 802.11b/g: 11 Channels
Channel Separation:	5MHz
Transfer Rate:	IEEE for 802.11b: 1Mbps/2Mbps/5.5Mbps/11Mbps IEEE for 802.11g : 6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps
Sample Type:	☐ Mobile ☒ Portable
Antenna Type:	FPC antenna
Antenna Gain:	2.07 dBi

6. RF Exposure Evaluation

RF Exposure Compliance Requirement

Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

7. EUT RF Exposure

For 2.4G WIFI

Measurement Data

Worst case: DSSS				
Test Channel	AV Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2412MHz)	8.32	8.5 ± 1	9.5	8.91
Middle(2437MHz)	7.84	8.0 ± 1	9.0	7.94
Highest(2462MHz)	7.12	7.5 ± 1	8.5	7.08

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2412MHz)	8.91	2.77	3.0
Middle (2437MHz)	7.94	2.48	
Highest (2462MHz)	7.08	2.23	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted AV Output Power data refer to report Report No.: CQASZ20260801862E-01