

RF Exposure Evaluation Report

Product : Infrared Thermometer
Trade mark : N/A
Model/Type reference : IRT3575
Serial Number : N/A
Report Number : EED32Q80692402
FCC ID : 2ABRGIRT3575
Date of Issue : Aug. 30, 2024
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
47 CFR Part 2.1093
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

KAZ USA INC

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Prepared by:

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2 Version

Version No.	Date	Description
00	Aug. 30, 2024	Original

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4 General Information

4.1 Client Information

Applicant:	KAZ USA INC
Address of Applicant:	400 Donald Lynch Blvd, Suite 300, Marlborough, MA 01752, USA
Manufacturer:	Famidoc Technology Co., Ltd.
Address of Manufacturer:	No. 212 Yilong Road, Changan Town, Dongguan, Guangdong Province, 523853, P.R. China.
Factory:	Famidoc Technology Co., Ltd.
Address of Factory:	No. 212 Yilong Road, Changan Town, Dongguan, Guangdong Province, 523853, P.R. China.

4.2 General Description of EUT

Product Name:	Infrared Thermometer
Model No.(EUT):	IRT3575
Trade Mark:	N/A

4.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz	
Modulation Type:	GFSK	
Test Power Grade:	Default	
Test Software of EUT:	N/A	
Antenna Type:	PCB Antenna	
Antenna Gain:	-8.82dBi	
Power Supply:	Battery:	DC 3V
Sample Received Date:	May 23, 2024	
Sample tested Date:	Jun. 13, 2024 to Jun. 17, 2024	

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(A)

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

5.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

5.1.3 EUT RF Exposure Evaluation**For Stand alone:****For Bluetooth LE:**

Frequency (MHz)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	ERP (mW)	Limit (mW)	Result
2402	-3.75	-8.82	-12.57	0.055	0.034	1	PASS

Note:

- ① EIRP=conducted power+antenna gain;
- ② ERP=EIRP-2.15;
- ③ $EIRP(dBm) = \text{Field strength of the fundamental signal}(dBuV/m@3m) - 95.23$;
- ④ $ERP(mW) = 10^{(ERP(dBm)/10)}$;
- ⑤ The estimation distance is 0.5cm;
- ⑥ The test data please refer to the report of EED32Q80692401 and only the worst case data was recorded in the report.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***