TEST REPORT

For

Thermal Camera

Model Number: TIMNBLH650 LRF, TIMNBLH635 LRF, TIMNBLH335 LRF, TIMNBLH335, TIMNBLH635

FCC ID: 2BGKL-TIMNBLH

Test Laboratory	:	Shenzhen Academy of Metrology and Quality Inspection
Site Location	:	No.4, Tongfa Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China
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Revision History

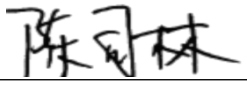
No	Date	Remark
V1.0	2025-4-21	Initial issue

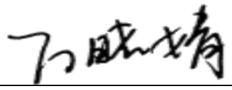
TEST REPORT DECLARATION

Applicant	:	Hangzhou Shunli Optotech Co., Ltd.
Address	:	3rd Floor, Building 2, NO.526, Binkang Road, Binjiang District, Hangzhou City, China
Manufacturer	:	Hangzhou Shunli Optotech Co., Ltd.
Address	:	3rd Floor, Building 2, NO.526, Binkang Road, Binjiang District, Hangzhou City, China
EUT Description	:	Thermal Camera
Model No.	:	TIMNBLH650 LRF, TIMNBLH635 LRF, TIMNBLH335 LRF, TIMNBLH335, TIMNBLH635
Trade mark	:	EMDI
Serial Number	:	--------
Date of EUT Receive	:	2024-11-6
Test Standards:	:	FCC Part 2 Subpart J 2.1093

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT and ensure the EUT to be compliance with the immunity requirements of the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results, unless they depend on the manufacturer information.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer:  Date: 2025-4-21
(陈司林 Chen SiLin)

Checked by:  Date: 2025-4-21
(万晓婧 Wan XiaoJing)

Approved by:  Date: 2025-4-21
(林斌 Lin Bin)

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1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Test Items	Test Results
Radiofrequency radiation exposure	PASS

Remark: “N/A” means “Not applicable.”

2. GENERAL INFORMATION

2.1. Report information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.
Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting for false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacturer.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078 and T-20047.

The Laboratory is Accredited Testing Laboratory of American Association for Laboratory Accreditation (A2LA) and certificate number is 3292.01.

3. PRODUCT DESCRIPTION

3.1. EUT Description

Operate Frequency	:	2.412 GHz~ 2.462 GHz
Antenna Designation	:	IFA -6.92 dBi
Modulation	:	DSSS (DBPSK, DQPSK, CCK) for 802.11b OFDM (BPSK, QPSK, 16QAM, 64QAM) for 802.11g/n
Operating Voltage	:	DC 3.8 V (Li-ion, battery) AC 120 V/60 Hz (Adapter)
Software Version	:	V2.631.0000000.0.R.250116
Hardware Version	:	100_178

Remark: The product differences are as follows, and the others are the same.

Model	Resolution	Focal Length	Main Board	Laser Ranging Finder	Else
TIMNBLH335 LRF	384×640	35mm	Same	1000m	Same
TIMNBLH335				none	
TIMNBLH635 LRF	640×512	35mm		1000m	
TIMNBLH635				none	
TIMNBLH650 LRF		50mm		1000m	

4. RADIOFREQUENCY RADIATION EXPOSURE

4.1. FCC Rules

According to 447498 D01 General RF Exposure Guidance v06
For minimum test separation distance ≤50mm, Wifi standalone SAR test exclusion power threshold is determined by: [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
• f(GHz) is the RF channel transmit frequency in GHz
• Power and distance are rounded to the nearest mW and mm before calculation
• The result is rounded to one decimal place for comparison

4.2. SAR Exclusion Calculation

WLAN worse case is 2462 MHz:
Then (7.93 mW/5mm) X √2.462 =1.01 < 3
So SAR evaluation is not applicable
----------End of Report----------