

RF TEST REPORT

Report No.: SHATBL2604014W02

Applicant : Guangdong Pine Lake Technology Co., Ltd

Product Name : Smart camera

Brand Name : N/A

Model Name : BF37

Series Model : BF37A, BF37B, BF37C, WBF37, WBF37A, WBF37B,
WBF37C, BBF37, BBF37A, BBF37B, BBF37C, BF39,
BF39A, BF39B, BF39C

FCC ID : 2A5LX-BF37

Test Standard : 47 CFR Part 2.1091

Date of Sample Arrival : May11, 2026

Date of Test : May11, 2026~May.14, 2026

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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	May.14, 2026	SHATBL2604014W02	ALL	Initial Release

Declaration Of Report

1. The device has been tested by ATBL, and the test results show that the equipment under test (EUT) is in compliance with the requirements of 47 CFR Part 2.1091. And it is applicable only to the tested sample identified in the report.
2. This report shall not be reproduced except in full, without the written approval of ATBL, this document only be altered or revised by ATBL, personal only, and shall be noted in the revision of the document.
3. The general information of EUT in this report is provided by the customer or manufacture, ATBL is only responsible for the test data but not for the information provided by the customer or manufacture.
4. The results in this report is only apply to the sample as tested under conditions. The customer or manufacturer is responsible for ensuring that the additional production units of this model have the same electrical and mechanical components.
5. In this report, '☐' indicates that EUT does not support content after '☐', and '☑' indicates that it supports content after '☑'

1. General Description

1.1. Applicant

Name	:	Guangdong Pine Lake Technology Co., Ltd
Address	:	701,Building 1, No. 2, Nanbo Road, Songshan Lake Park523808, Dongguan City, Guangdong Province, China

1.2. Manufacturer

Name	:	Guangdong Pine Lake Technology Co., Ltd
Address	:	701,Building 1, No. 2, Nanbo Road, Songshan Lake Park523808, Dongguan City, Guangdong Province, China

1.3. Factory

Name	:	Guangdong Pine Lake Technology Co., Ltd
Address	:	701,Building 1, No. 2, Nanbo Road, Songshan Lake Park523808, Dongguan City, Guangdong Province, China

1.4.General Information of EUT

General Information	
Product Name	Smart camera
Model Name	BF37
Series model	BF37A, BF37B, BF37C, WBF37, WBF37A, WBF37B, WBF37C, BBF37, BBF37A, BBF37B, BBF37C, BF39, BF39A, BF39B, BF39C
Model Difference	Only the casing and model name differ; everything else is the same.
Operation Frequency	WiFi 2.4GHz:2412MHz - 2462MHz
Modulation Type	WiFi 2.4GHz: 802.11b: DSSS (DBPSK/DQPSK/CCK) 802.11g/n: OFDM (BPSK/QPSK/16QAM/64QAM)
Power supply	DC 3.6V by Battery; DC 5V by type-c port
Battery	Model:SPG022-A05 Rated Voltage:DC 3.6V Charge Limit Voltage:DC 5V Capacity:5000mAh
Hardware Version	F1602V200_V2.1
Software Version	8.37.17
Connecting I/O Port(s)	Refer to the remark below.

Remark:

The above information of EUT was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.5.Laboratory Information

Company Name	:	Shanghai ATBL Technology Co., Ltd.
Address	:	5-6/F., Unit 1, No 8,Free Trade one LifeScience No.160,Basheng Road,Pudong New District,Shanghai City,China
Telephone	:	+86(0)21-51298625
FCC-Registration Number:	:	485917
Designation Number:	:	CN1306
A2LA-Lab Cert. No.:	:	6184.01
ISED Designation Number:	:	27371

1.6.Description of Available Antennas

Antenna Type	Antenna	Frequency Band MHz	Antenna Gain dBi
PIFA Antenna	Antenna 0	2400~2500	2.21

2. FCC 47CFR §2.1091 Requirement

2.1.Test Standards

According to §1.1307(b)(1), 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 level in excess of the Commission's guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated.

KDB447498 D01: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies

2.2.Limit

Limits for Maximum Permissible Exposure (MPE)/Controlled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	6
3.0 – 30	1842/f	4.89/f	(900/f ²)*	6
30 – 300	61.4	0.163	1.0	6
300 – 1500	/	/	f/300	6
1500 – 100,000	/	/	5	6

Limits for Maximum Permissible Exposure (MPE)/Uncontrolled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	30
3.0 – 30	824/f	2.19/f	(180/f ²)*	30
30 – 300	27.5	0.073	0.2	30
300 – 1500	/	/	f/1500	30
1500 – 100,000	/	/	1.0	30

F=frequency in MHz

*=Plane-wave equivalent power density

2.3.MPE Calculation Method

Predication of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S=PG/4\pi R^2$$

Where: S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

2.4. Tune up power

Band	Modulation Type	Maximum Conducted Power (dBm)	Maximum Target power with tune up (dBm)	Antenna Port
WiFi 2.4GHz Band	802.11g_2437MHz	25.99	25±1	Antenna 0

Note:

1. The target power has included the maximum transmission power and tolerance values.
- 2.The above assessment is based on the maximum output power.

2.5.Test Result

As declared by the Applicant, the EUT is a wireless device used in a Mobile application, at least 27 cm from any body part of the user or nearby persons; from the maximum EUT RF output power, the minimum separation distance, $r=27\text{cm}$, as well as the gain of the used antenna is refer to section 4, the RF power density can be obtained.

Mode	Antenna Port	Max. Target power with tune up (dBm)		Directional Gain (dBi)	Directional Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
		dBm	mW				
Transmit							
802.11g_2437MHz	Ant.0	26	398.11	2.21	1.66	0.132	1.0000

Note:

1. If nothing else, the report will only record the worst power.
2. The Maximum power is less than the limit, complies with the exemption requirements.
3. Max.WIFI Output power including turn-up tolerance.
4. The calculated distance is 27 cm.

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