FCC TEST REPORT
FCC ID: 2AV8V-BV7257S

Product	:	Baobiwanxiang Face Recognition Temperature Measuring Terminal
Model Name	:	BV7257S
Additional model	:	N/A
Brand	:	N/A
Report No.	:	PTC20032707701E-FC03

Prepared for
Baobiwanxiang Technologies Co.,Limited
9th economic cooperatives, Xinhe Village, Huashan Town, Huadu District, Guangzhou City, Guangdong Province,China

Prepared by
Precise Testing & Certification Co., Ltd
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

TEST RESULT CERTIFICATION

Applicant's name	:	Baobiwanxiang Technologies Co.,Limited
Address	:	9th economic cooperatives, Xinhe Village, Huashan Town, Huadu District, Guangzhou City, Guangdong Province,China
Manufacture's name	:	Baobiwanxiang Technologies Co.,Limited
Address	:	9th economic cooperatives, Xinhe Village, Huashan Town, Huadu District, Guangzhou City, Guangdong Province,China
Product name	:	Baobiwanxiang Face Recognition Temperature Measuring Terminal
Model name	:	BV7257S
Test procedure		KDB 447498 D01 General RF Exposure Guidance v05
Test Date	:	Apr. 11, 2020 to Apr. 25, 2020
Date of Issue	:	Apr. 25, 2020
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:

Leo Yang

Leo Yang / Engineer

Technical Manager:

Chris Du

Chris Du / Manager

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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	:	Baobiwanxiang Face Recognition Temperature Measuring Terminal
Model Name	:	BV7257S
Additional model		N/A
Model Description	:	N/A
Bluetooth Version	:	V4.2(With Br+Edr)
Operating frequency	:	WiFi: 802.11b/g/n HT20: 2412-2462MHz 802.11n HT40: 2422-2452MHz Bluetooth:2402-2480MHz
Max. RF output power	:	WiFi: 13.66dBm Bluetooth: 5.746dBm
Type of Modulation	:	WiFi: CCK, OFDM Bluetooth: GFSK, Pi/4 DQPSK,8DPSK
Antenna installation:	:	WIFI/Bluetooth:External antenna
Antenna Gain:	:	WIFI:1dbi BT:1 dbi
Power supply	:	DC12V, 3A Power by AC adapter ;Adapter model:XH1200-3000
Adapter	:	Input:100-240V~, 1.5A, 50-60Hz ;Output : DC12V, 3A, 36W max

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

$$E\ (V/m)\ =\ \frac{\sqrt{30 \times P \times G}}{d}$$

$$\text{Power Density: } Pd\ (W/m^2)\ =\ \frac{E^2}{377}$$

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

$$Pd\ =\ \frac{30 \times P \times G}{377 \times d^2}$$

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/cm2)	Limit of Power Density (mW/cm2)	Result
BT	1.26	5.746	3.75	0.0009	1	Pass
WIFI	1.26	13.66	23.23	0.0058	1	Pass

NOTE:2.4G BT+WIFI simultaneous (worst case):0.0009+0.0058=0.0067

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