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TEST REPORT					
FCC ID :	2AFX2BM926-2				
Test Report No::	TCT241212E018				
Date of issue:	Dec. 24, 2024				
Testing laboratory::	SHENZHEN TONGCE TEST	ING LAB			
Testing location/ address:	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China				
Applicant's name::	Shenzhen Feelstorm Techno	ology Co., Ltd			
Address:	Floor 5th, Building C, Huawan Industrial Park, Gushu, Xixiang Street, Bao'an District, Shenzhen, China				
Manufacturer's name:	Shenzhen Feelstorm Technology Co., Ltd				
Address:	Floor 5th, Building C, Huawan Industrial Park, Gushu, Xixiang Street, Bao'an District, Shenzhen, China				
Standard(s):	FCC CFR Title 47 Part 1.1307				
Product Name::	Video Baby Monitor				
Trade Mark:	N/A				
Model/Type reference :	BM926				
Rating(s):	Adapter Information: MODEL: KA06E-0501000US Input: AC 100-240V, 50/60Hz, 0.25A Max. Output: DC 5V, 1000mA				
Date of receipt of test item	Dec. 12, 2024				
Date (s) of performance of test:	Dec. 12, 2024 ~ Dec. 24, 202	24			
Tested by (+signature) :	Ronaldo LUO	Runald Souscer			
Check by (+signature) :	Beryl ZHAO	Boyle TCT)			
Approved by (+signature):	Tomsin	Tomsites 3			

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1. General Product Information

1.1. EUT description

Product Name:	Video Baby Monitor	(\mathbf{c})
Model/Type reference:	BM926	
Sample Number	TCT241212E012-0101	
Operation Frequency:	For BLE: 2402MHz~2480MHz For 2.4G WIFI: 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20) For 2.4G: 2408MHz~2468MHz	
Modulation Type:	For BLE: GFSK For 2.4G WIFI: 802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n: Orthogonal Frequency Division Multiplexing(OFDM) For 2.4G: GFSK	G
Antenna Type:	For BLE/ 2.4G WIFI: FPC Antenna For 2.4G: Wire Antenna	
Antenna Gain:	For BLE/ 2.4G WIFI: 4.16dBi For 2.4G: 2.47dBi	
Rating(s)	Adapter Information: MODEL: KA06E-0501000US Input: AC 100-240V, 50/60Hz, 0.25A Max. Output: DC 5V, 1000mA	

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

None.

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2. General Information

2.1. Test environment and mode

ltem	Normal condition			
Temperature	+25°C			
Voltage	(c	AC 120V		
Humidity	.)	56%		
Atmospheric Pressure:		1008 mbar		
Test Mode:				
Transmitting Mode:	Keep the	EUT in continuous transmi	itting by select channel	

2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/			1	1

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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3. Facilities and Accreditations

3.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC Registration No.: 10668A
- SHENZHEN TONGCE TESTING LAB
- CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

3.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China TEL: +86-755-27673339





4. Test Results and Measurement Data

According to §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

Remark: 1) For BLE: The maximum output power for antenna is 5.20dBm (3.31mW) at 2402MHz, 4.16dBi antenna gain(with 2.61 numeric antenna gain.)
For 2.4G WIFI: The maximum output power for antenna is 13.53dBm (22.54mW) at 2437MHz, 4.16dBi antenna gain(with 2.61 numeric antenna gain.)
For 2.4G: The maximum output power for antenna is 15.85dBm (38.46mW) at 2408MHz, 2.47dBi antenna gain(with 1.77 numeric antenna gain.)

 For mobile or fixed location transmitters, no SAR consideration applied. The minimum separation generally be used is at least 20cm, even if the calculation indicate that the MPE distance would be lesser.

Calculation

Given

$$E = \sqrt{\frac{30 \times P \times O}{d}} \quad \& \quad S = \frac{E}{3770}$$

V30 × P × G

Where E = Field Strength in Volts / meter P = Power in Watts G=Numeric antenna gain d=Distance in meters S=Power Density in milliwatts / square centimeter

 r^2

Substituting the MPE safe distance using d=20 cm into above equation. Yields: S=0.000199*P*G

Mode	Power(mW)	numeric antenna gain	Power density (mW/cm²)	Limit (mW/cm²)	Result
BLE	3.31	2.61	0.00172		
2.4G WIFI	22.54	2.61	0.01171	1.0	PASS
2.4G	38.46	1.77	0.01355		

The device contain transmitters (BLE & 2.4G, 2.4G WIFI & 2.4G) can transmit multiple transmission modes at the same time.

Maximum Emissions Level			
Mode	Total MPE	Limit	Result
BLE & 2.4G	0.02170	10	Pass
2.4G WIFI & 2.4G	0.02526	5) 1.0	

