



RF Exposure Evaluation

FOR

Shenzhen Dayun Links Co., Ltd

Drift Home, Baby Monitor and Smart Tog guide

Test Model: EPEL-BMONITOR-01-24

Additional Model No.: BM5J488

Prepared for : Shenzhen Dayun Links Co., Ltd
Room 501, No.B Building 1, Bestda Medical Device Building,
Address : No.28, Nantong Avenue, Baolong Street, Longgang District,
Shenzhen City, Guangdong Province, China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : May 07, 2025
Number of tested samples : 2
Sample No. : A250423056-1, A250423056-2
Serial number : Prototype
Date of Test : May 07, 2025 ~ June 17, 2025
Date of Report : June 18, 2025



**RF Exposure Evaluation****Report Reference No. : LCSA05065148EB****Date of Issue..... : June 18, 2025****Testing Laboratory Name..... : Shenzhen LCS Compliance Testing Laboratory Ltd.****Address..... : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China****Testing Location/ Procedure..... : Full application of Harmonised standards ■
Partial application of Harmonised standards □
Other standard testing method □****Applicant's Name..... : Shenzhen Dayun Links Co., Ltd****Address..... : Room 501, No.B Building 1, Bestda Medical Device Building, No.28, Nantong Avenue, Baolong Street, Longgang District, Shenzhen City, Guangdong Province, China****Test Specification****Standard..... : FCC KDB publication 447498 D01 General RF Exposure Guidance v06****Standard..... : FCC CFR 47 part1 1.1310****Standard..... : FCC CFR 47 part2 2.1091****Test Report Form No..... : TRF-4-E-214 A/0****TRF Originator..... : Shenzhen LCS Compliance Testing Laboratory Ltd.****Master TRF..... : Dated 2011-03****Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.**

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Test Item Description..... : Drift Home, Baby Monitor and Smart Tog guide**Trade Mark..... : ERGOPOUCH****Test Model..... : EPEL-BMONITOR-01-24****Ratings..... : Please Refer to Page 6****Result : PASS****Compiled by:***Joker.Hu*

Joker Hu/Administrator

Supervised by:*Jack Liu*

Jack Liu/ Technique principal

Approved by:*Gavin Liang*

Gavin Liang/ Manager



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RF Exposure Evaluation

Test Report No. : LCSA05065148EB	<u>June 18, 2025</u> Date of issue
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Test Model.....	: EPEL-BMONITOR-01-24
EUT.....	: Drift Home, Baby Monitor and Smart Tog guide
Applicant.....	: Shenzhen Dayun Links Co., Ltd
Address.....	: Room 501, No.B Building 1, Bestda Medical Device Building, No.28, Nantong Avenue, Baolong Street, Longgang District, Shenzhen City, Guangdong Province, China
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Shenzhen Dayun Links Co., Ltd
Address.....	: Room 501, No.B Building 1, Bestda Medical Device Building, No.28, Nantong Avenue, Baolong Street, Longgang District, Shenzhen City, Guangdong Province, China
Telephone.....	: /
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Factory.....	: Shenzhen Dayun Links Co., Ltd
Address.....	: Room 501, No.B Building 1, Bestda Medical Device Building, No.28, Nantong Avenue, Baolong Street, Longgang District, Shenzhen City, Guangdong Province, China
Telephone.....	: /
Fax.....	: /

Test Result	PASS
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	June 18, 2025	Initial Issue	---





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1. Product Information

EUT	Drift Home, Baby Monitor and Smart Tog guide
Test Model	EPEL-BMONITOR-01-24
Additional Model No.	BM5J488
Model Declaration	PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Power Supply	Input: DC 5V, 2A For AC Adapter Input: AC 100-240V, 50/60Hz, 0.35A Max Adapter Output: DC 5.0V $\pm$ 2.0A 10.0W DC 3.7V by Rechargeable Li-ion Battery, 5000mAh
Hardware Version	BM_5JRX_MAIN_V1.0.0.0
Software Version	48822110
Frequency Range	2410.001MHz, 2441.5010101MHz, 2477.001MHz
Channel Number	3 channels
Modulation Type	GFSK
Antenna Description	FPC Antenna, 2.62dBi(Max.)
Exposure category	General population/uncontrolled environment
EUT Type	Production Unit
Device Type	Mobile Device

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

2. Evaluation method and Limit

Systems operating under the provisions of FCC 47 CFR 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. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

In accordance with KDB447498D01 for Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneous transmitting antennas incorporated in a host device, based on the calculated/estimated, numerically modelled or measured field strengths or power density, is ≤ 1.0 . The MPE ratio of each antenna is determined at the minimum test separation distance required by the operating configurations and exposure conditions of the host device, according to the ratio of field strengths or power density to MPE limit, at the test frequency. Either the maximum peak or spatially averaged results from measurements or numerical simulations may be used to determine the MPE ratios. Spatial averaging does not apply when MPE is estimated using simple calculations based on far-field plane-wave equivalent conditions. The antenna installation and operating requirements for the host device must meet the minimum test separation distances required by all antennas, in both standalone and simultaneous transmission operations, to satisfy compliance.





3. Limit

3. Refer Evaluation Method

[ANSI C95.1-1999](#): IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

[FCC KDB publication 447498 D01 General 1 RF Exposure Guidance v06](#): Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

[FCC CFR 47 part1 1.1310](#): Radiofrequency radiation exposure limits.

[FCC CFR 47 part2 2.1091](#): Radiofrequency radiation exposure evaluation: portable devices

3. 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/Uncontrolled 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

4. 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

5. Antenna Information

EUT can only use antennas certificated as follows provided by manufacturer;

Internal/External Identification	Antenna type and antenna number	Operate frequency band	Maximum antenna gain	Notes
Internal	FPC Antenna	2410MHz-2477MHz	2.62dBi	2.4G Antenna





6. Conducted Power

Test Procedure

TX frequency range: 2410.001MHz(Worst result)

Device category: Mobile Device (Distance: 20cm)

Max. Field Strength: 93.50dBuV/m @3m

EIRP=E-104.7+20logD=93.50-104.7+20log3=-1.66dBm

Maximum Conducted Output Power: -4.28dBm

Tune-up: -4±1

7. Evaluation Results

As declared by the Applicant, the EUT is a wireless device used in a fix application, at least 20 cm from any body part of the user or nearby persons; from the maximum EUT RF output power, the minimum separation distance, $r=20\text{cm}$, as well as the gain of the used antenna refer to antenna information, the RF power density can be obtained.

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
GFSK	-3.00	0.5119	2.62	1.8281	0.0001	1.0000

Remark:

1. Output power including tune up tolerance;
2. Output power was adjust to duty cycle at 100% if measured duty cycle less than 98%;
3. MPE evaluate distance is 20cm from user manual provide by manufacturer.

8. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

9. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.



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10. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)
Occupied Channel Bandwidth	:	1GHz-40GHz	±5%	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

.....THE END OF REPORT.....

