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RF Exposure Evaluation Report

Report No.: CQASZ20250601502E-02
Applicant: Shenzhen Dayun Links Co., Ltd
Address of Applicant: Room 501, No.B Building 1, Bestda Medical Device Building, No.28, Nantong Avenue, Baolong Street, Longgang, Shenzhen, Guangdong, China
Equipment Under Test (EUT):
EUT Name: Video Baby monitor
Model No.: BM5G10L, BM5G09L, BM5G08L, BC-XPD, BC-XHR, BC-XXR, BM5R10L, BM5R09L, BM5R08L, SM530TX, L5514+C152, L5064+C137, L4114+C123, L4124+C124, L4184+C231, L5074+C138
Test Model No.: SM530TX
Brand Name: N/A
FCC ID: 2ANBK-SM530TX
Standards: 47 CFR Part 1.1307
47 CFR Part 1.1310
447498 D04 Interim General RF Exposure Guidance v01
Date of Receipt: 2025-06-30
Date of Test: 2025-06-30 to 2025-07-11
Date of Issue: 2025-07-17
Test Result: **PASS***

*In the configuration tested, the EUT complied with the standards specified above

Tested By: Lewis Zhou
(Lewis Zhou)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20250601502E-02	Rev.01	Initial report	2025-07-17

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3 General Information

3.1 Client Information

Applicant:	Shenzhen Dayun Links Co., Ltd
Address of Applicant:	Room 501, No.B Building 1, Bestda Medical DeviceBuilding, No.28, Nantong Avenue, Baolong Street, Longgang, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Dayun Links Co., Ltd
Address of Manufacturer:	Room 501, No.B Building 1, Bestda Medical DeviceBuilding, No.28, Nantong Avenue, Baolong Street, Longgang, Shenzhen, Guangdong, China
Factory:	Shenzhen Dayun Links Co., Ltd
Address of Factory:	Room 501, No.B Building 1, Bestda Medical DeviceBuilding, No.28, Nantong Avenue, Baolong Street, Longgang, Shenzhen, Guangdong, China

3.2 General Description of EUT

Product Name:	Video Baby monitor
Model No.:	BM5G10L, BM5G09L, BM5G08L, BC-XPd, BC-XHR, BC-XXR, BM5R10L, BM5R09L, BM5R08L, SM530TX, L5514+C152, L5064+C137, L4114+C123, L4124+C124, L4184+C231, L5074+C138
Test Model No.:	SM530TX
Trade Mark:	N/A
Software Version:	40052527
Hardware Version:	BMJL_TXXPD_MAIN_V1.0.0.4
EUT Power Supply:	Power supply DC5V form adapter
	Model:PS10UA050K2000UU
	Input:100-240V~50/60Hz 0.35A Max.
	Output:5V 2A 10W

3.3 General Description of 2.4G WIFI Classic

Operation Frequency:	2412MHz~2462MHz
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK)
Number of Channel:	IEEE 802.11b/g: 11 Channels
Channel Separation:	5MHz
Transfer Rate:	IEEE for 802.11b: 1Mbps/2Mbps/5.5Mbps/11Mbps IEEE for 802.11g : 6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps
Sample Type:	☒ Mobile ☐ Portable
Antenna Type:	Copper tube antenna
Antenna Gain:	2.87dBi

Note:

The above parameters will directly affect the test results. The information is provided by the applicant.

4 MPE Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Limits

The table applies to any RF source (i.e., single fixed, mobile, and portable transmitters) and specifies power and distance criteria for each of the five frequency ranges used for the MPE limits. These criteria apply at separation distances from any part of the radiating structure of at least $\lambda/2\pi$. The thresholds are based on the general population MPE limits with a single perfect reflection, outside of the reactive near-field, and in the main beam of the radiator. For mobile devices that are not exempt per Table B.1 [Table 1 of § 1.1307(b)(1)(i)(C)] at distances from 20 cm to 40 cm and in 0.3 GHz to 6 GHz, evaluation of compliance with the exposure limits in § 1.1310 is necessary if the ERP of the device is greater than ERP_{20cm} in Formula (B.1) [repeated from § 2.1091(c)(1) and § 1.1307(b)(1)(i)(B)].

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

If the ERP is not easily obtained, then the available maximum time-averaged power may be used (i.e., without consideration of ERP only if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave Dipole.

SAR-based exemptions are constant at separation distances between 20 cm and 40 cm to avoid discontinuities in the threshold when transitioning between SAR-based and MPE-based exemption criteria at 40 cm, considering the importance of reflections.

4.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

4.1.3 EUT RF Exposure

1) For 2.4G WIFI Classic

Measurement Data

11B mode					
Test channel	EIRP (dBm)	ERP (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
				(dBm)	(mW)
Lowest(2412MHz)	1.72	-0.43	-0.5±1	0.5	1.12
Middle(2437MHz)	3.18	1.03	1.5±1	2.5	1.78
Highest(2462MHz)	2.27	0.12	0.5±1	1.5	1.41
11G mode					
Test channel	EIRP (dBm)	ERP (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
				(dBm)	(mW)
Lowest(2412MHz)	2.83	0.68	1.0±1	2	1.58
Middle(2437MHz)	4.07	1.92	2.0±1	3	2.00
Highest(2462MHz)	3.32	1.17	1.5±1	2.5	1.78

The ERP of this product is less than 3060mW

Note: 1) Refer to report No. CQASZ20250601502E-01 for EUT test Max Conducted AV Output Power value.
2) EUT's module is more than 20cm away from the human body.

*** END OF REPORT ***