

RF EXPOSURE Test Report

Product: Baby Monitor

Trade Mark: N/A

Model Number: Baby 2Q

FCC ID: 2AG7C-IT3380B2

Prepared for

Hangzhou Meari Technology Co., Ltd.

Building 4, Huiding Intelligent Innovation Center, No. 825, Ruquan Road, Changhe Street, Binjiang District, Hangzhou, Zhejiang, China

Prepared by

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Table of Contents

1	GENERAL DESCRIPTION	5
1.1	DESCRIPTION OF EUT	5
1.2	TEST MODE.....	6
1.3	TEST SETUP	6
1.4	ANCILLARY EQUIPMENT	6
2	TEST FACILITIES AND ACCREDITATIONS	7
2.1	TEST LABORATORY	7
2.2	ENVIRONMENTAL CONDITIONS	7
2.3	MEASUREMENT UNCERTAINTY	7
2.4	TEST SOFTWARE	7
3	LIST OF TEST EQUIPMENT	8
4	RF EXPOSURE.....	9
4.1	STANDALONE SAR TEST EXCLUSION CONSIDERATIONS.....	9
4.1.1.	<i>Limit</i>	9
4.1.2.	<i>Test Result</i>	9

TEST RESULT CERTIFICATION

Applicant's Name..... : Hangzhou Meari Technology Co., Ltd.
Building 4,Huiding Intelligent Innovation Center,No. 825,Ruquan
Address : Road,Changhe Street,Binjiang District,Hangzhou,Zhejiang,
China

Manufacturer's Name : Hangzhou Meari Technology Co., Ltd.
Building 4,Huiding Intelligent Innovation Center,No. 825,Ruquan
Address : Road,Changhe Street,Binjiang District,Hangzhou,Zhejiang,
China

Product description

Product name : Baby Monitor

Model Number : Baby 2Q

Standards : FCC CFR 47 PART 1 , 1.1310

Test procedure..... : KDB 447498 D01 General RF Exposure Guidance v06

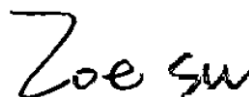
This device described above has been tested by Shenzhen HongBiao Certification& Testing Co., Ltd and the test results show that the equipment under test (EUT) is in compliance with the EMC requirements. And it is applicable only to the tested sample identified in the report.

Date of Test..... :

Date (s) of performance of tests..... : Aug. 27, 2026~Sept. 24, 2026

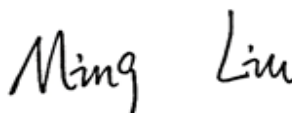
Test Result..... : **Pass**

Testing Engineer :



(Z o e S u)

Technical Manager :



(M i n g L i u)

Authorized Signatory :



(L e o S u)

[illegible]

1 General Description

1.1 Description of EUT

Product name:	Baby Monitor
Model name:	Baby 2Q
Series Model:	Baby 2QM, Baby 2T, Baby 2TM, Baby 2F, Baby 2FM, Baby 6Q, Baby 6QM, Baby 6T, Baby 6TM, Baby 6F, Baby 6FM, Baby 1Q, Baby 1QM, Baby 1T, Baby 1TM, Baby 1F, Baby 1FM, Baby 11QM, Baby 11Q, Baby 11FM, Baby 11F, Speed 15Q, Speed 15T, C1
Different of series model:	All the models are the same circuit and module, except the model No..
Operation frequency:	BLE: 2402-2480MHz 2.4GHz WIFI: IEEE 802.11b/g/n/ax20: 2412-2462MHz IEEE 802.11n/ax40: 2422-2452MHz 5GHz WIFI: U-NII-1: 5180-5240MHz U-NII-3: 5745-5825MHz SRD: 905-925MHz
Modulation type:	BLE: GFSK 2.4GHz WIFI: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g/n/ax (HT20/H40): OFDM/OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 5GHz WIFI: 802.11a/n/ac/ax: OFDM/OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM) SRD: OFDM
Bit Rate of transmitter:	BLE: 1 Mbps 2.4GHz WIFI: IEEE 802.11b: 1/2/5.5/11Mbps IEEE 802.11g: 6/9/12/18/24/36/48/54Mbps IEEE 802.11n(20MHz): MCS0-7, up to 72.2Mbps IEEE 802.11n(40MHz): MCS0-7, up to 150Mbps IEEE 802.11ax(20MHz): MCS0-11, up to 143.4Mbps IEEE 802.11ax(40MHz): MCS0-11, up to 286.8 Mbps 5GHz WIFI: 802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n (20MHz): MCS0-7, up to 72.2Mbps 802.11n (40MHz): MCS0-7, up to 150Mbps 802.11ac (20MHz): MCS0-8, up to 86.7Mbps 802.11ac (40MHz): MCS0-9, up to 200Mbps 802.11ax (20MHz): MCS0-11, up to 143.4Mbps 802.11ax (40MHz): MCS0-11, up to 286.8Mbps
Antenna type:	BLE & 2.4GHz WIFI & 5GHz WIFI: Metal Antenna SRD: FPC Antenna
Antenna gain:	BLE: 2.76dBi 2.4GHz WIFI: 2.76dBi 5GHz WIFI: -0.49dBi

	SRD: -1.55dBi
Max. output power:	BLE: 5dBm 2.4GHz WIFI: 19.38dBm 5GHz WIFI: U-NII-1: 15.39dBm U-NII-3: 16.25dBm SRD: 27.58dBm
Hardware version:	BABY6QM-T43MB-SC25-REV1_0
Software version:	V1.0
Battery:	N/A
Power supply:	Input: 100-240V~ 50/60Hz Output: DC 5V/1A
Adapter information:	Model: DCT06W050100US-C1 Input: 100-240V~50/60Hz 200mA Output: 5.0V~1.0A Model: DCT10W050200US-C0 Input: 100-240V~50/60Hz 0.3A Output: 5.0V~2.0A

Note: both adapters were tested separately on the host, and the report only reflects the worst model: DCT10W050200US-C0 adapter data.

1.2 Test Mode

Pretest Test Mode	Description of Mode
1	TX
2	/
3	/

1.3 Test Setup

See photographs of the test setup in the report for the actual setup and connections between EUT and support equipment.

1.4 Ancillary Equipment

Equipment	Model	S/N	Manufacturer
/	/	/	/

2 Test Facilities and Accreditations

2.1 Test Laboratory

Test Site	Shenzhen HongBiao Certification& Testing Co., Ltd
Test Site Location	Room 102, 201, Building 2, Yuanwanggu RFID Industrial Park, Tongguan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, China
Telephone:	(86-755) 2998 9321
Fax:	(86-755) 2998 5110
Designation Number:	848916
FCC Registration No.:	CN1341
A2LA Certificate No.:	6765.01

2.2 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C~35°C
Relative Humidity:	20%~75%
Air Pressure:	98kPa~101kPa

2.3 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

The data and results quoted in this document are true and accurate values, and uncertainties are not involved in the calculations.

In addition, components and mass production processes that are similar to testing equipment may introduce additional deviations, and the manufacturer is solely responsible for the continued compliance of the equipment.

Measurement Frequency Range	U, (dB)	Note
RF frequency	2×10^{-5}	
RF power, conducted	± 0.57 dB	
Temperature	± 1 degree	
Humidity	± 5 %	

2.4 Test Software

Software name	Manufacturer	Model	Version
RF Test System	MWRF	MTS 8310	V2.0.0.0

3 List of Test Equipment

RF							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	HB-E041	MXG Anaioog Signal Generator	Agilent	N5181A	MY47070421	2026-04-27	2027-04-26
2	HB-E042	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW500	132108	2026-04-27	2027-04-26
3	HB-E043	MXG Anaioog Signal Generator	Agilent	N5182A	US46240335	2026-04-28	2027-04-27
4	HB-E044	Signal& spectrum Analyzer	R&S	FSV3044	101264	2026-04-28	2027-04-27
5	HB-E045	RF Control Box	Noyetec	NY100-R FCB	N/A	2026-04-28	2027-04-27
6	HB-E058	Thermometer Clock Humidity Monitor	N/A	HTC-1S	N/A	2026-04-30	2027-04-29

Note: the calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

4 RF Exposure

4.1 Standalone SAR test exclusion considerations

4.1.1. Limit

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) Radiation as specified in §1.1307(b).

Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) 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
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f ²	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

MPE Calculation Method

Friis transmission formula: $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2)$

Where

P_d = Power density in mW/cm²

P_{out} = output power to antenna in mW

G = Numeric gain of the antenna relative to isotropic antenna

π = 3.1415926

R = distance between observation point and center of the radiator in cm(20cm)

P_d the limit of MPE, 1mW/cm².

If we know the maximum gain of the antenna and total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

4.1.2. Test Result

BLE:

Operation Frequency: 2402-2480MHz,

Power density limited: 1mW/cm²

2.4GHz WIFI:

Operation Frequency: IEEE 802.11b/g/n/ax20: 2412-2462MHz

IEEE 802.11n/ax40: 2422-2452MHz

Power density limited: 1mW/cm²

5GHz WIFI:

Operation Frequency:

U-NII-1: 5180-5240MHz

U-NII-3: 5745-5825MHz

SRD:

Operation Frequency: 905-925MHz

Antenna Type:
BLE & 2.4GHz WIFI & 5GHz WIFI: Metal Antenna
SRD: FPC Antenna

Antenna gain:
BLE: 2.76dBi
2.4GHz WIFI: 2.76dBi
5GHz WIFI: -0.49dBi
SRD: -1.55dBi
R=20cm
 $mW=10^{(dBm/10)}$
antenna gain Numeric= $10^{(dBi/10)}=10^{(2.76/10)}=1.89$
antenna gain Numeric= $10^{(dBi/10)}=10^{(-0.49/10)}=0.89$
antenna gain Numeric= $10^{(dBi/10)}=10^{(-1.55/10)}=0.70$

BLE(Worst):

Channel Freq. (MHz)	modulation	Conducted Power (dBm)	Tune-up power (dBm)	Max		Antenna		Evaluation result	Power density Limits
		(dBm)		tune-up power		Gain		(mW/cm ²)	(mW/cm ²)
				(dBm)	(mW)	(dBi)	Numeric		
2480	GFSK	5	5±1	6	3.981	2.76	1.89	0.0015	1

2.4GHz WIFI(Worst):

Channel Freq. (MHz)	modulation	Conducted Power (dBm)	Tune-up power (dBm)	Max		Antenna		Evaluation result	Power density Limits
		(dBm)		tune-up power		Gain		(mW/cm ²)	(mW/cm ²)
				(dBm)	(mW)	(dBi)	Numeric		
2412	802.11ax20	19.38	19±1	20	100.000	2.76	1.89	0.0376	1

5GHz WIFI(Worst):

Channel Freq. (MHz)	modulation	Conducted Power (dBm)	Tune-up power (dBm)	Max		Antenna		Evaluation result	Power density Limits
		(dBm)		tune-up power		Gain		(mW/cm ²)	(mW/cm ²)
				(dBm)	(mW)	(dBi)	Numeric		
5745	802.11a	16.25	16±1	17	50.119	-0.49	0.89	0.0089	1

SRD(Worst):

Channel Freq. (MHz)	modulation	Conducted Power (dBm)	Tune-up power (dBm)	Max		Antenna		Evaluation result	Power density Limits
		(dBm)		tune-up power		Gain		(mW/cm ²)	(mW/cm ²)
				(dBm)	(mW)	(dBi)	Numeric		
925	TX	27.58	27±1	28	630.957	-1.55	0.70	0.0878	1

Conclusion:

Simultaneous transmit:

NO	Configurations	Maximum MPE Value					Limits
		BLE	2.4GHz WIFI	5GHz WIFI	SRD	Transmit simultaneously	
1	BLE + 2.4GHz WIFI + 5GHz WIFI + SRD	0.0015	0.0376	0.0089	0.0878	0.1358	1

According to KDB 447498 D01 General RF Exposure Guidance v06, At the transmit simultaneously calculation method is as follows:

Transmit simultaneously MPE = Σ of MPE ratios

MPE ratios = Field strengths or power density / MPE limit at the test frequency

For the max result: $0.1358 \leq 1g$ SAR, No SAR is required.

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