

RF Exposure Evaluation Report

Report Reference No...... : **MTEB26080064-H**

FCC ID..... : **2AUSP-BABY8GMC**

Compiled by

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Date of issue..... : **Aug.07,2026**

Representative Laboratory Name. : **Shenzhen Most Technology Service Co., Ltd.**

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Applicant's name..... : **Shenzhen Joystek Intelligence Co., Ltd**

Address..... : NO.101 , Building Q, No. 10 East District, Shangxue Technology
Industrial Area, Xinxue Community, BantianLonggang District,
Shenzhen China,518129

Test specification/ Standard..... : **47 CFR Part 1.1307;47 CFR Part 1.1310**

KDB447498D01 General RF Exposure Guidance v06

TRF Originator..... : Shenzhen Most Technology Service Co., Ltd.

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Test item description..... : Baby Monitor

Trade Mark..... : N/A

Model/Type reference..... : Baby 8GM

Listed Models : Baby 30GM,Baby 31GM,Baby 32GM,Baby 33GM,Baby 34GM,
Baby 35GM,Baby 36GM,Baby 37GM,Baby 38GM,Baby 39GM,
Baby 8DM,Baby 8CM,Baby 3GM,Baby 3SM, Baby 8SM,
Baby 1T,Baby 2TM, Baby 3TM,Baby 4TM, Baby 6T, Baby 8TM,
Baby 7TM,Baby 9TM

Modulation Type..... : b: DSSS ,CCK; g/n/ax: BPSK,QPSK,QAM
OFDM

Operation Frequency..... : WIFI2.4G:From 2412MHz to 2462MHz
WIFI 5G:From 5180MHz-5240MHz
From 5745MHz-5825MHz

Hardware Version..... : /

Software Version..... : V1.2

Rating..... : DC 5V by Adapter

Result..... : **PASS**

TEST REPORT

Equipment under Test : Baby Monitor

Model /Type : Baby 8GM

Listed Models : Baby 30GM,Baby 31GM,Baby 32GM,Baby 33GM,Baby 34GM,
Baby 35GM,Baby 36GM,Baby 37GM,Baby 38GM,Baby 39GM,
Baby 8DM,Baby 8CM,Baby 3GM,Baby 3SM, Baby 8SM,
Baby 1T,Baby 2TM, Baby 3TM,Baby 4TM, Baby 6T, Baby 8TM,
Baby 7TM,Baby 9TM

Remark : Only the model “ Baby 8GM ” was tested, Their electrical circuit design, layout, components used and internal wiring are identical, Only the model name and Appearance colour is different.

Applicant : **Shenzhen Joystek Intelligence Co., Ltd**

Address : NO.101 , Building Q, No. 10 East District, Shangxue Technology Industrial Area, Xinxue Community, BantianLonggang District, Shenzhen China,518129

Manufacturer : **Shenzhen Joystek Intelligence Co., Ltd**

Address : NO.101 , Building Q, No. 10 East District, Shangxue Technology Industrial Area, Xinxue Community, BantianLonggang District, Shenzhen China,518129

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.

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2026.08.07	Initial Issue	Alisa Luo

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

According to FCC Part1.1310: 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 part1.1307(b)

TABLE 1—LIMITS FOR 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 Exposures				
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
(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
300–1500			f/1500	30
1500–100,000			1.0	30

F= Frequency in MHz

Friis Formula

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 = gain of antenna in linear scale

π = 3.1416

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

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

2.1.3 EUT RF Exposure**WIFI 2.4G :**

802.11b			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2412MHz)	12.59	12.59 ± 1	13.59
Middle(2437MHz)	14.31	14.31 ± 1	15.31
Highest(2462MHz)	14.91	14.91 ± 1	15.91

802.11g			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2412MHz)	14.42	14.42 ± 1	15.42
Middle(2437MHz)	14.37	14.37 ± 1	15.37
Highest(2462MHz)	14.87	14.87 ± 1	15.87

802.11n(H20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2412MHz)	14.02	14.02 ± 1	15.02
Middle(2437MHz)	13.86	13.86 ± 1	14.86
Highest(2462MHz)	14.49	14.49 ± 1	15.49

802.11n(H40)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2422MHz)	13.69	13.69 ± 1	14.69
Middle(2437MHz)	14.01	14.01 ± 1	15.01
Highest(2452MHz)	14.25	14.25 ± 1	15.25

802.11ax(H20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2412MHz)	14.25	14.25 ± 1	15.25
Middle(2437MHz)	14.22	14.22 ± 1	15.22
Highest(2462MHz)	14.71	14.71 ± 1	15.71

802.11ax(H40)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2422MHz)	13.77	13.77 ± 1	14.77
Middle(2437MHz)	14.83	14.83 ± 1	15.83
Highest(2452MHz)	14.31	14.31 ± 1	15.31

WIFI 2.4G

Worst case: 802.11b						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm ²)	Limit	Result
Highest(2462MHz)	15.91	38.99	4.38	0.021	1.0	Pass

Note: 1) Refer to report **MTEB26080064-R** for EUT test Max Conducted average Output Power value.

Note: 2) $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2) = (38.99 \cdot 2.74) / (4 \cdot 3.1416 \cdot 20^2) = 0.021$

Note: 3) EUT's Wifi module is more than 20cm away from the human body.

WIFI 5G :**WIFI 5G U-NII 1**

IEEE for 802.11a			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5180MHz)	15.25	15.25±1	16.25
Middle(5200MHz)	15.84	15.84±1	16.84
Highest(5240MHz)	15.84	15.84±1	16.84

IEEE for 802.11n(HT20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5180MHz)	15.29	15.29±1	15.29
Middle(5200MHz)	15.68	15.68±1	15.68
Highest(5240MHz)	15.96	15.96±1	15.96

IEEE for 802.11n(HT40)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5190MHz)	11.53	11.53±1	12.53
Highest(5230MHz)	16.04	16.04±1	17.04

IEEE for 802.11ac(HT20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5180MHz)	15.05	15.05±1	16.05
Middle(5200MHz)	15.84	15.84±1	16.84
Highest(5240MHz)	15.89	15.89±1	16.89

IEEE for 802.11 ac(HT40)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5190MHz)	11.72	11.72±1	12.72
Highest(5230MHz)	16.23	16.23±1	17.23

IEEE for 802.11ax(HT20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5180MHz)	15.14	15.14±1	16.14
Middle(5200MHz)	15.96	15.96±1	16.96
Highest(5240MHz)	15.93	15.93±1	16.93

IEEE for 802.11 ax(HT40)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5190MHz)	11.56	11.56±1	12.56
Highest(5230MHz)	15.96	15.96±1	16.96

Worst case: 802.11 ac(HT40)						
Channel	Maximum Peak Conducted Output Power	Maximum Peak Conducted Output Power	Antenna Gain	Power Density at R = 20 cm	Limit	Result
	(dBm)	(MW)	(dBi)	(mW/cm²)		
Highest(5230MHz)	17.23	52.84	3.78	0.025	1.0	Pass

Note: 1) Refer to report **MTEB26080064-R1** for EUT test Max Conducted average Output Power value.

Note: 2) $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2) = (52.84 \cdot 2.39) / (4 \cdot 3.1416 \cdot 20^2) = 0.025$

Note: 3) EUT's WIFI module is more than 20cm away from the human body.

WIFI 5G U-NII 3

IEEE for 802.11a			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5745MHz)	16.54	14.38±1	15.38
Middle(5785MHz)	16.12	13.97±1	14.97
Highest(5825MHz)	14.61	12.45±1	13.45

IEEE for 802.11n(HT20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5745MHz)	16.62	16.62±1	17.62
Middle(5785MHz)	16.15	16.15±1	17.15
Highest(5825MHz)	14.67	14.67±1	15.67

IEEE for 802.11n(HT40)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5755MHz)	16.64	16.64±1	17.64
Highest(5795MHz)	12.86	12.86±1	13.86

IEEE for 802.11ac(HT20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5745MHz)	16.69	16.69±1	17.69
Middle(5785MHz)	16.23	16.23±1	17.23
Highest(5825MHz)	14.74	14.74±1	15.74

IEEE for 802.11 ac(HT40)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5755MHz)	17.51	17.51±1	18.51
Highest(5795MHz)	13.02	13.02±1	14.02

IEEE for 802.11ax(HT20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5745MHz)	16.89	16.89±1	17.89
Middle(5785MHz)	16.47	16.47±1	17.47
Highest(5825MHz)	14.9	14.9±1	15.9

IEEE for 802.11 ax(HT40)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(5755MHz)	16.74	16.74±1	17.74
Highest(5795MHz)	13.13	13.13±1	14.13

Worst case: 802.11 ac(HT40)						
Channel	Maximum Peak Conducted Output Power	Maximum Peak Conducted Output Power	Antenna Gain	Power Density at R = 20 cm	Limit	Result
	(dBm)	(MW)	(dBi)	(mW/cm²)		
Lowest(5755MHz)	18.51	70.96	3.78	0.034	1.0	Pass

Note: 1) Refer to report **MTEB26080064-R1** for EUT test Max Conducted average Output Power value.

Note: 2) $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2) = (70.96 \cdot 2.39) / (4 \cdot 3.1416 \cdot 20^2) = 0.034$

Note: 3) EUT's WIFI module is more than 20cm away from the human body.

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