

RF Exposure

Applicant : Shenzhen DZH Industrial Co., LTD
Address : 3th Floor,DZH Industrial A building, Bu Yong Industrial D zone, Shajing, Baoan, Shenzhen, China
Product Name : Wireless Keyboard
Brand Mark : N/A
Model : B009U
Series model : T09 B009, B106, B116
Report Number : BLA-EMC-202601-A7603
FCC ID : 2AFW2-B009U
Date of Receipt : Jan. 20,2026
Date of Test : Jan. 20,2026 to Mar. 03,2026
Test Standard : 47 CFR Part 15, Part1.1307
47 CFR Part 15, Part2.1093
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: charlie

Review by: Xavier

Approved by: 13 hui Zheng

Issued Date: Mar. 03,2026



BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

Address: Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District,
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Revise Record

Version No.	Date	Description
01	Mar. 03,2026	Original

1 General information

1.1 General information

Applicant	Shenzhen DZH Industrial Co., LTD
Address	3th Floor,DZH Industrial A building, Bu Yong Industrial D zone, Shajing, Baoan, Shenzhen, China
Manufacturer	Shenzhen DZH Industrial Co., LTD
Address	3th Floor,DZH Industrial A building, Bu Yong Industrial D zone, Shajing, Baoan, Shenzhen, China
Factory	Shenzhen DZH Industrial Co., LTD
Address	3th Floor,DZH Industrial A building, Bu Yong Industrial D zone, Shajing, Baoan, Shenzhen, China

1.2 General description of EUT

Product name	Wireless Keyboard
Model no.	B009U
Series model	T09 B009, B106, B116
Differences of Series model	Their electrical circuit design layout, components used and internal wiring are identical, Only the model name are different.
Power supply or adapter information	DC3.7V
Hardware version	N/A
Software version	N/A
Engineer sample no.	BLA-EMC-202601-A76

Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

For BT

Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK
Channel Spacing	1MHz
Number of Channels	79
Antenna Type	PCB antenna
Antenna Gain	1.87dBi(Provided by customer)

2 Laboratory and accreditations

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

FCC	Company name:	BlueAsia of Technical Services(Shenzhen) Co., Ltd.
	Address:	Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
	A2LA Cert. No.:	5071.01
	FCC Designation No.:	CN1252
	Test Firm Registration Number:	923526
Telephone:		+86-755-28682673
FAX:		+86-755-28682673

3 RF Exposure Compliance Requirement

3.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

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.

3.2 Limits

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

3.3 Result

Calculated Result and Limit (WORSE CASE IS AS BELOW)

Mode	Frequency (MHz)	Max Output power(dBm)	Max Output power(mW)	Ant gain (dBi)	Evaluation ERP(dBm)	Evaluation ERP(mW)	Limit of Pth(mW)	Result
1-DH1	2402	-3.023	0.50	1.87	-3.303	0.47	2.79	Pass

ERP=Max Output power+Ant gain-2.15

Comply with RF exposure exemption limit.

----END OF REPORT----

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