

RF Exposure

Applicant : Huizhou TWOLF Intelligent Technology CO.,LTD
Address : 7F, Building 13, No.1 Yong Guang East Road, Zhong Kai
High-tech Zone, Huizhou
Product Name : Wireless keyboard
Brand Mark : T-WOLF
Model : T12
Series model : T126, T127, T128, TF300, TF710, TF720, TF730
Report Number : BLA-EMC-202606-A55-04
FCC ID : 2BXEZ-TF300
Date of Receipt : Jun. 26,2026
Date of Test : Jun. 26,2026 to Jul. 16,2026
47 CFR Part 15, Part1.1307
Test Standard : 47 CFR Part 15, Part2.1093
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by:

Hugh

Review by:

Xavier

Approved by:

Blue Zheng

Issued Date: Aug. 18,2026



BlueAsia Technical Services (Shenzhen) Co., Ltd

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan
Subdistrict, Bao'an District, Shenzhen, Guangdong, China



The test report is effective only with both signature and specialized stamp and The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full. The results described in this report do not represent the quality or characteristics of the sampled batch, nor do they represent any similar or identical products that are not explicitly stated.

Table of Contents

1	General information	4
1.1	General information	4
1.2	General description of EUT	4
2	Laboratory and accreditations	5
3	RF Exposure Compliance Requirement	6
3.1	Standard Requirement	6
3.2	Limits	6
3.3	Result	7

Revise Record

Version No.	Date	Description
01	Aug. 18,2026	Original

1 General information

1.1 General information

Applicant	Huizhou TWOLF Intelligent Technology CO.,LTD
Address	7F, Building 13, No.1 Yong Guang East Road, Zhong Kai High-tech Zone, Huizhou
Manufacturer	Huizhou TWOLF Intelligent Technology CO.,LTD
Address	7F, Building 13, No.1 Yong Guang East Road, Zhong Kai High-tech Zone, Huizhou
Factory	Huizhou TWOLF Intelligent Technology CO.,LTD
Address	7F, Building 13, No.1 Yong Guang East Road, Zhong Kai High-tech Zone, Huizhou

1.2 General description of EUT

Product name	Wireless keyboard
Model no.	T12
Series model	T126, T127, T128, TF300, TF710, TF720, TF730
Differences of Series model	Above model T12 and T126,T127,T128,TF300,TF710, TF720, and TF730. Their electrical circuit design layout, components used and internal wiring are identical, Only the model name and color are different.
Power supply or adapter information	DC3.7V
Hardware version	V2
Software version	V2
Engineer sample no.	BLA-EMC-202606-A55-

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

For 2.4G

Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK
Rate data	1Mbps
Channel Spacing	2MHz
Number of Channels	40
Antenna Type	PCB antenna
Antenna Gain	2.58dBi(Provided by customer)
Max. Field Strength(PK)	95.19dBuV/m@3m/2480Mhz
Max. Field Strength(AV)	93.71dBuV/m@3m/2402Mhz

For BLE

Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK
Rate data	1Mbps
Channel Spacing	2MHz
Number of Channels	40
Antenna Type	PCB antenna
Antenna Gain	2.58dBi(Provided by customer)

2 Laboratory and accreditations

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

Company name:	BlueAsia Technical Services (Shenzhen) Co.,Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
Test Firm Registration Number:	923526
ISED CAB identifier No.:	CN0028
Company Number:	24243
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

BlueAsia Technical Services (Shenzhen) Co., Ltd

Tel: +86-755-23059481

Email: marketing@cblueasia.com www.cblueasia.com

Report version : V1.1

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

$$e_{irp} = p_t \times g_t = (E \cdot d)^2 / 30$$

where:

p_t = transmitter output power in watts,

g_t = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m, --- $10((dBuV/m)/20)/10^6$

d = measurement distance in meters (m)---3m

$$S_{opt} = (E \cdot d)^2 / 30 \times g_t$$

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)	Distance (mm)	Limit of Pth(mW)	Result
BLE 1M	2402	0.869	1.22	2.58	1.299	1.35	5	2.79	Pass

Calculated Result and Limit (WORSE CASE IS AS BELOW)

Ant gain = 2.58 dBi [0.43dBd(1.1041)]

Field strength = 95.19dBuV/m@3m/2480Mhz

So $P_t = \{ [10(95.19 / 20) / 10^6 \times 3]^2 / 30 \} \times 1000 \text{ mW} = 0.991 \text{ mW} < 2.72 \text{ mW}$

So ERP=0.991x1.1041=1.094<2.72mW

Comply with RF exposure exemption limit.

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, the result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.