



RF EXPOSURE EVALUATION

FCC ID:XUJS4006

Report Number.....: ZKT-260724L1721E-6

Date of Test.....: Mar. 23, 2026 to Aug. 25, 2026

Date of issue.....: Aug. 27, 2026

Total number of pages..... 4

Test Result: PASS

Testing Laboratory.....: Shenzhen ZKT Technology Co., Ltd.

Address: 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name: Launch Tech Co., Ltd.

Address: No.4012, Launch Industrial Park, North Wuhe Rd, Bantian Street, Longgang District, Shenzhen, China

Manufacturer's name: Launch Tech Co., Ltd.

Address: No.4012, Launch Industrial Park, North Wuhe Rd, Bantian Street, Longgang District, Shenzhen, China

Test specification:

Standard.....: FCC 47CFR §2.1091
KDB 447498 D01 General RF Exposure Guidance v06

Test procedure.....: /

Non-standard test method: N/A

Test Report Form No.....: /

Test Report Form(s) Originator.....: ZKT Testing

Master TRF: Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the IC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of ZKT, this document may be altered or revised by ZKT, personal only, and shall be noted in the revision of the document.

Product name.....: Remote Diagnosis Interface

Trademark: LAUNCH

Model/Type reference.....: S4006

Ratings.....: Input: 8-36VDC (powered by 12V or 24V car battery), ≤1A

Shenzhen ZKT Technology Co., Ltd.

1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

☎ +86-400-000-9970

☎ +86-755-2233 6688

✉ zkt@zkt-lab.com

🌐 www.zkt-lab.com



Testing procedure and testing location:

Testing Laboratory : Shenzhen ZKT Technology Co., Ltd.

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China

Tested by (name + signature) : Jim Liu

Reviewer (name + signature) : Jackson Fang

Approved (name + signature) : Lake Xie





RF Exposure Evaluation

Limits

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)

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 transmission formula: $Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

Pd = power density in mW/cm², **Pout** = output power to antenna in mW;

G = gain of antenna in linear scale, **Pi** = 3.1416;

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

Pd 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.

Test Procedure

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



Here,

Tune up

Mode	Output Power (dBm)	Tune up Power (dBm)
BT	3.06	3 ± 1
BLE	4.89	4 ± 1
2.4G WIFI	20.88	20 ± 1
5G WIFI	14.03	14 ± 1

RF Function	Tune Up Power (dBm)	ANT Gain (dBi)	Max EIRP (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Ratio	Result
BT	4.00	2.6	2.51	0.001	1	0.001	Pass
BLE	5.00	2.6	3.16	0.001	1	0.001	Pass
2.4G WIFI	22.00	4.4	125.89	0.069	1	0.069	Pass
5G WIFI	15.00	5.99	31.6	0.025	1	0.025	Pass

Multiple transmission:

$$\text{BLE} + 5\text{G RLAN} = 0.001 + 0.025 = 0.026 < 1$$

Note: 1. The Maximum power is less than the limit, complies with the exemption requirements.