

FCC RF EXPOSURE REPORT

For

UNATTENDED PAYMENT TERMINAL

MODEL NUMBER: IM30

REPORT NUMBER: 4791789077-1-RF-8

ISSUE DATE: August 14, 2025

FCC ID: V5PIM30IBWL

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	August 14, 2025	Initial Issue	\

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: PAX Technology Limited
Address: FLAT/RM 2504, 25/F, SUN HUNG KAI CENTRE, 30 HARBOUR ROAD, WANCHAI, HK, China

Manufacturer Information¹

Company Name: PAX Computer Technology (Shenzhen) Co., Ltd.
Address: Room 701, PAX Technology Building, Shanxia Community, Pinghu Sub-district, Longgang District, Shenzhen, China

EUT Information

EUT Name: UNATTENDED PAYMENT TERMINAL
Model: IM30
HVIN: IM30 IBWL
Sample Received Date: June 17, 2025
Sample Status: Normal
Sample ID: 8590972
Date of Tested: June 18, 2025 to August 14, 2025

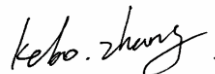
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS
KDB 447498 D01	PASS

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 and KDB447498 D01 v06.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.</p> <p>ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p>VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202</p>
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Note 1:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. REQUIREMENT

LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

RF EXPOSURE LIMIT

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (Minutes)
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

CALCULATION METHOD

$$S = PG / 4\pi R^2$$

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

CALCULATED RESULTS

Operation Band	Frequency (MHz)	Antenna Gain (dBi)	Max Conducted Average Output Power (dBm)	Power Density at R = 20 cm (W/m ²)	FCC Limit (W/m ²)	FCC Conclusion
WCDMA B2	1850	1.56	24.0	0.7157	10.0000	Pass
WCDMA B4	1710	1.40	23.5	0.6148	10.0000	Pass
WCDMA B5	824	2.57	24.0	0.9031	5.4933	Pass
LTE B2	1850	1.56	22.5	0.5067	10.0000	Pass
LTE B4	1710	1.4	23.5	0.6148	10.0000	Pass
LTE B5	824	2.57	23.0	0.7173	5.4933	Pass
LTE B12	1427.9	2.38	23.5	0.7704	9.5193	Pass
LTE B13	777	1.97	23.0	0.6248	5.1800	Pass
LTE B17	704	2.38	24.0	0.8644	4.6933	Pass
LTE B66	1710	1.4	23.5	0.6148	10.0000	Pass
LTE B71	663	-0.55	24.0	0.4403	4.4200	Pass
BT	2402	1.7	6.5	0.0131	10.0000	Pass
WLAN 2.4G	2412	1.7	16.5	0.1314	10.0000	Pass
WLAN 5G	5170	2.3	13.5	0.0756	10.0000	Pass
NFC	13.56	0	33.0	3.9694	9.7893	Pass

NFC Remark:

-Based on NFC chip PN5190 Product data sheet, NFC Max Conducted Average Output Power = 33.0dBm. Power Density at R = 20 cm of the device was calculated as 3.9694 (W/m²) using free space formula.

Note:

1. The calculated distance is 20 cm.
2. The power comes from operation description.
3. The EUT can't transmit simultaneously. (declared by client)

END OF REPORT