

FCC 47 CFR § 1.1307
FCC 47 CFR § 1.1310
FCC 47 CFR § 2.1091

RF EXPOSURE EVALUATION REPORT

For

Unattended Payment Terminal

MODEL NUMBER: IM28

REPORT NUMBER: 4792178956-1-RF-9

FCC ID: V5PIM28

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Prepared for

PAX Technology Limited

FLAT/RM 2504, 25/F, SUN HUNG KAI CENTRE, 30 HARBOUR ROAD, WANCHAI, HK, China

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	Apr. 29, 2026	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 Information

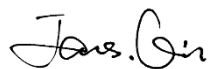
Company Name: PAX Computer Technology (Shenzhen) Co., Ltd.
Address: Room 701, PAX Technology Building, Shanxia Community, Pinghu Sub-district,
Longgang District, Shenzhen, China

EUT Information

EUT Name: Unattended Payment Terminal
Model: IM28
Sample Received Date: March 16, 2026
Sample Status: Normal
Sample ID: 9535166
Date of Tested: March 1, 2026 to April 25, 2026

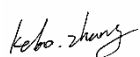
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR § 1.1307	PASS
FCC 47 CFR § 1.1310	
FCC 47 CFR § 2.1091	

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47 CFR §2.1091 and KDB 447498 D04 v01.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	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. 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 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. 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
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4. EQUIPMENT UNDER TEST

4.1. DESCRIPTION OF EUT

EUT Name	Unattended Payment Terminal
Model	IM28
Normal Test Voltage:	AC 120V 60Hz

5. 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 FCC 47 CFR § 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)	Electric field Trenchth (E) (V/m)	Magnetic field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
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
300-1,500	\	\	f/300	<6
1,500-100,000	\	\	5	<6
(ii) 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

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

STAND ALONE E-FIELD POWER DENSITY CALCULATIONS RESULTS

Operation Band	Freq. (MHz)	Ant. Gain (dBi)	Tune-up Limit (dBm)	PD at 20 cm (mW/cm ²)	Limit (mW/cm ²)	Con.	ratio of PD value/limit
GSM850-GPRS 3TS	824	2.82	31.0	0.1798	0.5493	Pass	0.3273
GSM1900-GPRS 3TS	1850	1.69	28.5	0.0779	1.0000	Pass	0.0780
WCDMA Band II	1850	1.69	24.5	0.0827	1.0000	Pass	0.0828
WCDMA Band IV	1710	1.49	24.0	0.0704	1.0000	Pass	0.0705
WCDMA Band V	824	2.82	24.0	0.0957	0.5493	Pass	0.1742
LTE Band 2	1850	1.69	23.5	0.0657	1.0000	Pass	0.0658
LTE Band 4	1710	1.49	23.5	0.0628	1.0000	Pass	0.0628
LTE Band 5	824	2.82	23.5	0.0853	0.5493	Pass	0.1553
LTE Band 7	2500	1.67	23.5	0.0654	1.0000	Pass	0.0655
LTE Band 38	2570	1.54	23.5	0.0635	1.0000	Pass	0.0635
LTE Band 40 (Lower)	2305	2.20	21.5	0.0466	1.0000	Pass	0.0467
LTE Band 40 (Upper)	2350	1.90	21.5	0.0435	1.0000	Pass	0.0436
LTE Band 41	2496	1.67	24.0	0.0734	1.0000	Pass	0.0735
LTE Band 66	1710	1.49	23.5	0.0628	1.0000	Pass	0.0628
BT	2400	-2.57	10.0	0.0011	1.0000	Pass	0.0012
BLE	2400	-2.57	-4.0	0.0001	1.0000	Pass	0.0001
WLAN 2.4G	2400	-2.57	18.5	0.0078	1.0000	Pass	0.0277
WLAN 5G	5150	4.80	16.0	0.0239	1.0000	Pass	0.0240
NFC	13.56	0	-43.77	0.0001	0.9789	Pass	0.0001

Note:

1. The tune-up limit comes from operation description.
2. An additional ratio factor is applied to convert the burst output power to frame-average output power when power density calculations for GSM band: 3TS: 3/8.
3. NFC Max Conducted Average Output Powe = 11.46 + 40 - 95.23 = -43.77 dBm. Power Density at R = 20 cm of the device was calculated as 0.0001 (mW/cm²) using free space formula.

SIMULTANEOUS TRANSMISSION ANALYSIS

Type of simultaneous transmission is as below:

1. LTE + WLAN 2.4G
2. LTE + WLAN 5G

Worst simultaneous transmission combination calculation:

1. LTE + WLAN 2.4G = 0.1631 < limit 1.0
2. LTE + WLAN 5G = 0.1793 < limit 1.0

Conclusion:

The calculations of above situations are less than the corresponding limit, RF exposure is compliant.

END OF REPORT