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# **RF Exposure Evaluation Report**

**Report No.:** CQASZ20250300711E-02

Applicant: Shenzhen PioCreat 3d Technology Co., Ltd.

Address of Applicant: 3rd Floor, Building 1, No. 156 Huawang Road, Langkou Community, Dalang

Street, Longhua District, Shenzhen, China

**Equipment Under Test (EUT):** 

**EUT Name:** Auto Feed Unit

Test Model No.: AFU

Model No.: AFU

N/A

Brand Name:

FCC ID: 2A2DOAFU

**Standards:** 47 CFR Part 1.1307

47 CFR Part 2.1093

447498 D04 Interim General RF Exposure Guidance v01

Date of Receipt: 2025-3-31

**Date of Test:** 2025-3-31 to 2025-5-15

Date of Issue: 2025-5-30
Test Result: PASS\*

\*In the configuration tested, the EUT complied with the standards specified above

Tested By:

(Lewis Zhou)

Reviewed By:

(Timo Lei

Approved By: (Jack Ai)



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## 1 Version

## **Revision History Of Report**

Report No.	Version	Description	Issue Date
CQASZ20250300711E-02	Rev.01	Initial report	2025-5-30



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## **3** General Information

### 3.1 Client Information

Applicant:	Shenzhen PioCreat 3d Technology Co., Ltd.		
Address of Applicant:	3rd Floor, Building 1, No. 156 Huawang Road, Langkou Community, Dalang Street, Longhua District, Shenzhen, China		
Manufacturer:	Shenzhen PioCreat 3d Technology Co., Ltd.		
Address of Manufacturer:	3rd Floor, Building 1, No. 156 Huawang Road, Langkou Community, Dalang Street, Longhua District, Shenzhen, China		
Factory:	Shenzhen PioCreat 3d Technology Co., Ltd.		
Address of Factory:	3rd Floor, Building 1, No. 156 Huawang Road, Langkou Community, Dalang Street, Longhua District, Shenzhen, China		

## 3.2 General Description of EUT

Product Name:	Auto Feed Unit			
Model No.:	AFU			
Test Model No	AFU			
Trade Mark:	N/A			
EUT Supports Radios application:	13.56MHz			
Software Version:	V2.1			
Hardware Version:	V2.0			
Sample Type:	⊠ Mobile ☐ Portable			
EUT Power Supply:	DC 24V			

## 3.3 General Description of 13.56MHz

Operation Frequency:	13.56MHz		
Modulation Technique:	Non Frequency Hopping Spread Spectrum(NFHSS)		
Modulation Type:	ASK		
Number of Channel:	1		
Test Software of EUT:	EUT Key		
Antenna Type:	FPC antenna		
Antenna Gain:	0dBi		



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#### 4 SAR Evaluation

### 4.1 RF Exposure Compliance Requirement

### 4.1.1 Standard Requirement

447498 D04 Interim General RF Exposure Guidance v01

3.2. SAR Test Reduction Guidance

SAR test reduction procedures [Glossary] allow using a particular set of test data as representative of other, similar, test conditions. This may be applied for data within different test positions (e.g. body, head, extremity), wireless modes (e.g. Wi-Fi, cellular), and frequency bands. This test reduction process provides for the use of test data for one specific channel, while referencing to those data for demonstrating compliance in other required channels for each test position of an exposure condition, within the operating mode of a frequency band. This is limited specifically to when the reported 1-g or 10-g SAR for the mid-band or highest output power channel meets any of the following conditions.

#### **4.1.2 Limits**

#### 2.1.2 1-mW Test Exemption

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.



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### 4.1.3 EUT RF Exposure

#### **Measurement Data**

$$EIRP = E_{Meas} + 20 \log(d_{Meas}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

 $E_{\text{Meas}}$  is the field strength of the emission at the measurement distance, in dB $\mu$ V/m

 $d_{\text{Meas}}$  is the measurement distance, in m

Frequency	EIRP (dBm)	ERP (dBm)	Maximum tune-up Power (mW)	Exclusion threshold (mW)
13.56MHz	-73.76	-73.76	0.000199	1

Remark: The EIRP data refer to report Report No.: CQASZ20250300711E-01.

\*\*\* END OF REPORT \*\*\*