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RF Exposure Evaluation Report

Report No.: CQASZ20260701415E-02
Applicant: Shenzhen Creality 3D Technology Co.,Ltd.
Address of Applicant: 18F, JinXiuHongDu Building, Meilong Blvd., Longhua Dist.Shenzhen,China
Equipment Under Test (EUT):
Product: High Volume Feed Module
Model No.: HyperFeed
Test Model No.: HyperFeed
Brand Name: N/A
FCC ID: 2AXH6-HYPERFEED
Standards: 47 CFR Part 1.1307
47 CFR Part 1.1310
KDB447498 D01 General RF Exposure Guidance v06
Date of Receipt: 2026-07-03
Date of Test: 2026-07-03 to 2026-07-24
Date of Issue: 2026-8-19
Test Result: PASS*

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

Tested By: Azir Wang

(Azir Wang)

Reviewed By: Timo Lei

(Timo Lei)

Approved By: Jack Ai

(Jack Ai)



1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260701415E-02	Rev.01	Initial report	2026-8-19

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3 General Information

3.1 Client Information

Applicant:	Shenzhen Crealty 3D Technology Co.,Ltd.
Address of Applicant:	18F, JinXiuHongDu Building, Meilong Blvd., Longhua Dist.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:	High Volume Feed Module
Model No.:	HyperFeed
Test Model No.:	HyperFeed
Trade Mark:	N/A
Hardware Version:	V2.0
Software Version:	V1.5
Operation Frequency:	13.56MHz
Modulation Type:	ASK
Hopping Channel Type:	Adaptive Frequency Hopping systems
Product Type:	☒ Mobile ☐ Portable ☐ Fix Location
Antenna Type:	FPC antenna
Antenna Gain:	0dBi
Power Supply:	24Vdc,200W

4 RF Exposure Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Limits

According to FCC Part1.1310: 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 part1.1307(b)

TABLE 1—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 Formula

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

P_d 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.

4.1.2 Test Procedure

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

4.2 1.1.3 EUT RF Exposure Evaluation

1) For 13.56Mhz

Antenna Gain: 0dBi

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 1 in linear scale.

Output Power Into Antenna & RF Exposure Evaluation Distance:

Measurement Data

Test mode : ASK				
Channel	E-field (dB μ V/m)	Output Power (dBm)	E.i.r.p. calculation value	Limit (mW)
			(dBm)	
13.56MHz	69.31	-25.85	0.003	< 1220.11mW
Conclusion: E.i.r.p. calculation value < limit, SAR is exempted.				

Remark: 1) The EIRP Output Power data refer to report Report No.: CQASZ20260701415E-01.

2) EIRP= E-field Strength Output Power

*** END OF REPORT ***