



## **FCC RF EXPOSURE REPORT**

*For*

**ASC-2680 HD Video Drone**

**FCC MODEL NUMBER: CT-6483**

**IC MODEL NUMBER: CT-6483R**

**REPORT NUMBER: 4790858924-RF-9**

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**FCC ID: 2ASK3CT-6483R**

*Prepared for*

**AMAX INDUSTRIAL GROUP CHINA CO.,LTD  
OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L TUNG CHOI STREET  
MONGKOK KOWLOON HONG KONG**

*Prepared by*

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	June 9, 2023	Initial Issue	



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## 1. ATTESTATION OF TEST RESULTS

### Applicant Information

Company Name: AMAX INDUSTRIAL GROUP CHINA CO.,LTD  
Address: OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L  
TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

### Manufacturer Information

Company Name: AMAX INDUSTRIAL GROUP CHINA CO.,LTD  
Address: OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L  
TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

### EUT Information

EUT Name: ASC-2680 HD Video Drone  
FCC Model: CT-6483  
IC Model: CT-6483R  
Model Difference: All the same except for the model name.  
Sample Received Date: May 22, 2023  
Sample Status: Normal  
Sample ID: 6099249  
Date of Tested: May 23, 2023 to June 8, 2023

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS
KDB-447498 D01 V06	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 KDB 447498 D01 General RF Exposure Guidance v06.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> 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><b>ISED (Company No.: 21320)</b> 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><b>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)</b> 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 D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B, the VCCI registration No. is C-20012 and T-20011</p>
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Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China.



## 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 <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (Minutes)
0.3 -- 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	(180/f <sup>2</sup> )*	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**

2.4G Mode					
Frequency	Output Power	Output Power	Power Density	Power Density Limit	Test Result
MHz	dBm	mW	mW/cm <sup>2</sup>	mW/cm <sup>2</sup>	--
2466-2478	-23.17	0.00482	0.000001	1.0	Complies

5G WiFi Mode					
Frequency	Output Power	Output Power	Power Density	Power Density Limit	Test Result
MHz	dBm	mW	mW/cm <sup>2</sup>	mW/cm <sup>2</sup>	--
5745-5825	18	63.0957	0.024	1.0	Complies

Note: 1. 2.4G Antenna Gain=0.17 dBi, 5G WiFi Antenna Gain=2.75 dBi,  $\pi=3.141$ .  
2. The Power comes from report operation description.  
3. The minimum separation distance of the device is greater than 20 cm.  
4. Calculate by WORST-CASE mode.  
5.  $2.4 \text{ GHz} + 5 \text{ GHz WiFi} = 0.000001 + 0.024 = 0.024001 \text{ (mW/cm}^2\text{)}$   
Therefor the maximum calculations of above situations are less than the "1" limit.

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**END OF REPORT**