



FCC RF EXPOSURE REPORT

For

ASC-2500 PREMIUM FHD VIDEO DRONE WITH OPTICAL FLOW TECHNOLOGY

Model: NV-6309, OA-6288, 1540563, CT-6333, CT-6342, CT-6343

FCC ID: 2ASK3NV-6309R

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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

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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-2500 PREMIUM FHD VIDEO DRONE WITH OPTICAL
 FLOW TECHNOLOGY
 Model: NV-6309, OA-6288, 1540563, CT-6333, CT-6342, CT-6343
 Model differences: Please refer to clause 4. Description of EUT
 Sample Received Date: March 30, 2021
 Sample Status: Normal
 Sample ID: 3808672
 Date of Tested: March 30, 2021~ May 17, 2021

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	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.

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.: G-20019, R-20004, C-20012 and T-20011) 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. EQUIPMENT UNDER TEST

EUT Name	ASC-2500 PREMIUM FHD VIDEO DRONE WITH OPTICAL FLOW TECHNOLOGY
Model	NV-6309, OA-6288, 1540563, CT-6333, CT-6342, CT-6343
Model difference	NV-6309, OA-6288, 1540563, CT-6342, CT-6343 have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with CT-6333. The difference lies only the model number and color.

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 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

2.4 GHz WiFi Mode					
Frequency	Output Power	Output Power	Power Density	Power Density Limit	Test Result
MHz	dBm	mW	mW/cm ²	mW/cm ²	--
2462	13.0	19.95	0.0063	1.0	Complies

- Note: 1. Antenna Gain=2 dBi (Numeric 1.58), $\pi=3.141$.
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.

END OF REPORT