



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

REPORT NUMBER: 4789885054-5

ISSUE DATE: May 18, 2021

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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REPORT NO.: 4789885054-5 Page 2 of 8

Revision History

Rev.	Issue Date	Revisions	Revised By
V0	05/18/2021	Initial Issue	

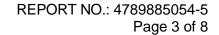




TABLE OF CONTENTS

1.	ATTESTATION OF TEST RESULTS	. 4
2.	TEST METHODOLOGY	. 5
3.	FACILITIES AND ACCREDITATION	. 5
4.	EQUIPMENT UNDER TEST	. 6
5.	REQUIREMENT	7



REPORT NO.: 4789885054-5 Page 4 of 8

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		

FCC 47	CFR92.1091	PASS
Prepared By:	Checked By	<i>/</i> :
Mick Zhang	Shemn	lier
Mick Zhang Project Engineer	Shawn Wen Laboratory L	_eader

Approved By:

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REPORT NO.: 4789885054-5 Page 5 of 8

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

	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 Delcaration of Conformity (DoC) and Certification rules
	ISED (Company No.: 21320)
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Accreditation Certificate	has been registered and fully described in a report filed with ISED.
Certificate	The Company Number is 21320 and the test lab Conformity Assessment
	Body Identifier (CABID) is CN0046.
	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

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.



REPORT NO.: 4789885054-5 Page 6 of 8

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.	

REPORT NO.: 4789885054-5 Page 7 of 8

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/cm²)	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



REPORT NO.: 4789885054-5 Page 8 of 8

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), π =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