

FCC RF EXPOSURE REPORT

For

FLEX 2.0 Compact Folding Drone with HD Camera/SWITCH / Morph+ / Snap2.0

MODEL NUMBER: CT-6168, 1422629, NV-3850, NV-3851, OA-6119, 1372095

FCC ID: 2ASK3CT-6168R

REPORT NUMBER: 4789468201.1-11

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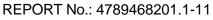
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1. ATTESTATION OF TEST RESULTS

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: FLEX 2.0 Compact Folding Drone with HD Camera/SWITCH /

Morph+ / Snap2.0

Model Name CT-6168, 1422629, NV-3850, NV-3851, OA-6119, 1372095

Sample Status

Sample ID

Sample Received date

Normal

3051860

April 24, 2020

Date Tested April 25, 2020~ May 25, 2020

APPLICABLE STANDARDS

STANDARD

PASS

FCC 47CFR§2.1091

KDB-447498 D01 V06

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06.

3. FACILITIES AND ACCREDITATION

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							
Accreditation	ISED(Company No.: 21320)							
Certificate	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.							
Cortinicato	has been registered and fully described in a report filed with							
	Industry Canada. The Company Number is 21320.							
	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 1: 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

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.

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4. REQUIREMENT

LIMIT

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure									
Frequency Range (MHz)	Electric 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/f2)*	30					
30-300	27.5	0.073	0.2	30					
300-1500			f/150	30					
1500-100,000			1.0	30					

Note 1: f = frequency in MHz, * means Plane-wave equivalent power density

Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Note 3: The limit value 1.0mW/cm² is available for this EUT.

MPE CALCULATION METHOD

 $S = PG/(4\pi R^2)$

where: S = power density (in appropriate units, e.g. mW/ cm2)

P = power input to the antenna (in appropriate units, e.g., mW)

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 (appropriate units, e.g., cm)



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CALCULATED RESULTS

Radio Frequency Radiation Exposure Evaluation

(Worst case)								
Operating	Max. Tune up Power	Directional Gain		Power density	Limit			
Mode	(dBm)	(dBi)	(num)	(mW/ cm ²)				
WIFI 2.4G	9.5	1.97	1.57	0.00279	1			

Note: the calculated distance is 20cm.

END OF REPORT