RF EXPOSURE REPORT

Applicant	RedwoodVentures Ltd.
Address	23rd floor, gold union commercial building 70-72 connaught road west, HongKong

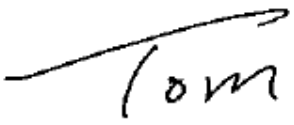
Manufacturer or Supplier	RedwoodVentures Ltd.
Address	23rd floor, gold union commercial building 70-72 connaught road west, HongKong
Product	Velocity Video Roto-cam
Brand Name	RotoCam
Model	03
Additional Model & Model Difference	164045; see items 1
Date of tests	Jul. 20, 2017 ~ Jul. 27, 2017

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Approved by Tom Chen Project Engineer/ EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: Aug. 07, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170720N031	Original release	Aug. 07, 2017

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1. CERTIFICATION

FCC ID:	2AMXO164045HC
PRODUCT:	Velocity Video Roto-cam
BRAND NAME:	RotoCam
MODEL NO.:	03
ADDITIONAL NO.:	164045
TEST SAMPLE:	Engineering Sample
APPLICANT:	RedwoodVentures Ltd.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

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

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	1	Wire Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
802.11b	2412-2462	13	+-2	11	15
802.11g	2412-2462	12	+-2	10	14

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2462	14.15
802.11g	2462	13.02

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	15	1	20	0.00792	1.0

--- END ---