



**BUREAU
VERITAS**

Test Report No.: FS170509N067

RF EXPOSURE REPORT

Applicant	World Tech Toys Inc
Address	28904 AVE PAINE VALENCIA CA 91355 USA

Manufacturer or Supplier	GUANGDONG FEILUN TECHNOLOGY INDUSTRIAL CO.,LTD
Address	Laimei Industrial District, Fengxiang Chenghai, Shantou City, Guangdong, China
Product	Venom Pro GPS Streaming Drone
Brand Name	N/A
Model	33049 (Camera)
Additional Model & Model Difference	N/A
Date of tests	May 09, 2017 ~ Jun. 14, 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: Jun. 23, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170509N067	Original release	Jun. 23, 2017

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1. CERTIFICATION

FCC ID:	2AEEQ3304924W
PRODUCT:	Venom Pro GPS Streaming Drone
BRAND NAME:	N/A
MODEL NO.:	33049 (Camera)
ADDITIONAL NO.:	N/A
TEST SAMPLE:	Engineering Sample
APPLICANT:	KAIZHENG TOYS FACTORY
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

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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	2.5	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	11	+2	9	13
802.11g	2412-2462	8	+2	6	10

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2412	12.05
802.11g	2412	8.22

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412-2462	13	2.5	20	0.00706	1.0

--- END ---