



**BUREAU
VERITAS**

Test Report No.: FS170314N100

RF EXPOSURE REPORT

Applicant	KAIZHENG TOYS FACTORY
Address	HUAIDONG INDUSTRIAL ZONE, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

Manufacturer or Supplier	KAIZHENG TOYS FACTORY
Address	HUAIDONG INDUSTRIAL ZONE, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA
Product	REMOTE CONTROL AIRCRAFT CAMERA
Brand Name	N/A
Model	H98WH(Camera)
Additional Model & Model Difference	AV-DRC04-101, H98, H98C, H23, H23W, H8MINI, M15, M23, M25, XX1, XX2, XX3, XX5, XX6, XX7, XX8, XX9, XX10, XX12, XX13, XX15, XX18, XX19, XX20, XX21, XX22, XX23, XX25, KK2, KK3, KK4, KK5, KK6, KK8, KK9, KK10, KK12, KK13, 8229
Date of tests	Apr. 14, 2017 ~ May 12, 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 Breeze Jiang
Project Engineer/ EMC Department

Approved by Chris Chen
Manager / EMC Department

Date: May 12, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170314N100	Original release	May 12, 2017

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1. CERTIFICATION

FCC ID:	2ALSE-KAIZHENGH98C
PRODUCT:	REMOTE CONTROL AIRCRAFT CAMERA
BRAND NAME:	N/A
MODEL NO.:	H98WH(Camera)
ADDITIONAL NO.:	AV-DRC04-101, H98, H98C, H23, H23W, H8MINI, M15, M23, M25, XX1, XX2, XX3, XX5, XX6, XX7, XX8, XX9, XX10, XX12, XX13, XX15, XX18, XX19, XX20, XX21, XX22, XX23, XX25, KK2, KK3, KK4, KK5, KK6, KK8, KK9, KK10, KK12, KK13, 8229
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

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

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)	Total Gain (dBi)	Antenna Type
Chain 0	0	0	Integral PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
2412-2462	14	+/-2	12	16

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2412	12.78
802.11g	2412	12.38

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412-2462	16	0	20	0.00792	1.0

--- END ---