



**BUREAU
VERITAS**

Test Report No.: FS170612N051

RF EXPOSURE REPORT

Applicant	GUANDDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO.,LTD
Address	NO.2 WEST XINGYE ROAD LAIMEI INDUSTRIAL AREA CHENGHAI SHANTOU GUANGDONG CHINA

Manufacturer or Supplier	GUANDDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO.,LTD
Address	NO.2 WEST XINGYE ROAD LAIMEI INDUSTRIAL AREA CHENGHAI SHANTOU GUANGDONG CHINA
Product	wifi camera
Brand Name	N/A
Model	wifi camera-4
Additional Model & Model Difference	X4, X5, X5A, X5C, X5HC, etc; See items 1
Date of tests	Jun. 12, 2017 ~ Jul. 01, 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 Andy Zhu
Project Engineer/ EMC Department

Approved by Glyn He
Supervisor / EMC Department

Date: Jul. 10, 2017

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Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie
Town, Dongguan City,
Guangdong 523942, China

Tel: +86 769 8593 5656
Fax: +86 769 8593 1080
Email: customerservice.dg@cn.bureauveritas.com



TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION	5
5. ANTENNA GAIN	6
6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170612N051	Original release	Jul. 10, 2017

Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie
Town, Dongguan City,
Guangdong 523942, China

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1. CERTIFICATION

FCC ID:	QV7-GC88752-17
PRODUCT:	wifi camera
BRAND NAME:	N/A
MODEL NO.:	wifi camera-4
ADDITIONAL NO.:	X4, X5, X5A, X5C, X5HC, X5HW, X5S, X5SC, X5SW, X5UC, X5UW(720P), X5UW(720P)-1, X5UW, X5UW-1, X8C, X8G, X8HC, X8HC-1, X8HG, X8HG-1, X8HW(720P), X8HW(720P)-1, X8HW, X8HW-1, X8SC, X8SW(720P), X8SW, X8W, X8W-1, X9S, X11, X11C, X12S, X13, X14, X14W(720P), X14W, X20, X20-S, X21, X21-S, X21W, X21W(720P), X15, X15C, X15W, X15W(720P), X22, X22W, X8PRO, X5UW(720P)-D, X8SW(720P)-D, X5UW-D, X8SW-D, D650WH, D44H, X56W, X23W, X25W, X25PROW, X5PROW, D350WH, D1650WH
TEST SAMPLE:	Engineering Sample
APPLICANT:	GUANDDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO.,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

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

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	2	2	Integral 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	13	+/-2	11	15

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2412	13.38

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412	15	2	20	0.00997	1.0

--- END ---