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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RELEASE CONTROL RECORD

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

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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

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

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)	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

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