RF EXPOSURE REPORT

Applicant	GUANGDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO., LTD
Address	NO.2 West Xingye Road Laimei Industrial Area Chenghai Shantou Guangdong China

Manufacturer or Supplier	GUANGDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO., LTD
Address	NO.2 West Xingye Road Laimei Industrial Area Chenghai Shantou Guangdong China
Product	RC DRONE
Brand Name	N/A
Model	1083605
Additional Model & Model Difference	X8SW,X8SC,X3,X4,X4S,X5,X5A,X5A-1,X5S,X5SC,see item 1
Date of tests	Sep. 30, 2016 ~ Oct. 25, 2016

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

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

Tested by Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: Nov. 07, 2016

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS160930N006	Original release	Nov. 07, 2016

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

1. CERTIFICATION

FCC ID:	QV7-GC88752-10-1
PRODUCT:	RC DRONE
BRAND NAME:	N/A
MODEL NO.:	1083605
ADDITIONAL NO.:	X8SW,X8SC,X3,X4,X4S,X5,X5A,X5A-1,X5S,X5SC,X5SW, X5HC,X5HW,X51,X52C,X53HC,X53HW ,X54HC,X54HW, X5UC,X5UC-1,X5UW,X5UW-1,X5UW(720P),X5UW(720P)-1,X5G,X14,X14C,X14W,X14W(720P),X15,X15C,X15W,X15W-(720P),X6,X8W,X8W-1,X8C,X8C-1,X8S,X8SC,X8SW, X8SW(720P),X8SG,X8SG(720P),X8G,X8G-1,X8HW, X8HW-1,X8HW(720P),X8HW(720P)-1,X8HC,X8HC-1, X8HG,X8HG-1,X9,X11,X11C,X12,X12S,X13,X16, X17W-(720P),X18,X19,X19W(720P),X20,X20B,X21W, X21W(720P),X22W, X23,K3,HD8500WH,D1U,D1W, D1W（720P）
TEST SAMPLE:	Engineering Sample
APPLICANT:	GUANGDONG 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)	Antenna Type
Chain 0	2	Wire Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412	29.376	2.0	20	0.00926	1.0

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