RF EXPOSURE REPORT

Applicant	Guangdong Cheerson Hobby Technology Co., Ltd
Address	Fengxin No. 2 Road & Laimei Road, Fengxin Industrial Zone, Chenghai, Shantou, Guangdong province, China

Manufacturer or Supplier	Guangdong Cheerson Hobby Technology Co., Ltd
Address	Fengxin No. 2 Road & Laimei Road, Fengxin Industrial Zone, Chenghai, Shantou, Guangdong province, China
Product	UFO
Brand Name	N/A
Model	CX-10DS
Additional Model & Model Difference	UA-P01W, CX-10, CX-10A, CX-11, CX-12, CX-30, CX-30C, CX-30W, CX-30W-TX, CX-30S, CX-60, CX-95, CX-93, CX-96, CX-117, TINY115, TINY110, TINY80, CX-95W, CX-95S, CX-93S, CX-90, CX-17, TINY90, TINY95, TINY93
Date of tests	Dec. 28. 2016 ~ Jun. 21. 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 Glyn He Supervisor / EMC Department
	 Date: Jun. 27, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS161228N026	Original release	Jun. 27, 2017

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:	2AD6LGC032410042
PRODUCT:	UFO
BRAND NAME:	N/A
MODEL NO.:	CX-10DS
ADDITIONAL NO.:	UA-P01W, CX-10, CX-10A, CX-11, CX-12, CX-30, CX-30C, CX-30W, CX-30W-TX, CX-30S, CX-60, CX-95, CX-93, CX-96, CX-117, TINY115, TINY110, TINY80, CX-95W, CX-95S, CX-93S, CX-90, CX-17, TINY90, TINY95, TINY93
TEST SAMPLE:	Engineering Sample
APPLICANT:	Guangdong Cheerson Hobby Technology Co., Ltd
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

Note: Additional models (see about table) are identical with the test model CX-10DS except the model no. for trading purpose.

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	Integral 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
802.11n(HT20)	2412-2462	10	+-2	8	12

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2462	11.73
802.11g	2462	8.78
802.11n(HT20)	2462	10.04

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	20	0.00629	1.0

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