



BUREAU VERITAS

Test Report No.: FS170316N005

RF EXPOSURE REPORT

Applicant	SHANTOU QSTTOYS CO.,LTD
Address	Tongyi Rd, Chenghai District, Shantou, Guangdong, China

Manufacturer or Supplier	SHANTOU QSTTOYS CO.,LTD
Address	Tongyi Rd, Chenghai District, Shantou, Guangdong, China
Product	FOLDING WIFI DRONE SERIES
Brand Name	N/A
Model	DRW477B
Additional Model & Model Difference	QST1810, QST1811, QST1812, QST1813, QST1814, QST1815, QST1816, QST1817, QST1819, QST511, QST512, QST513, QST514, QST516, QST517, QST518, QST519, QST801, QST802, QST803, QST804, QST805, QST806, QST807, QST808, QST809
Date of tests	Mar. 27, 2017 ~ Apr. 11, 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

Tested by Glyn He
Supervisor / EMC Department

Approved by Chris Chen
Manager / EMC Department

Date: Apr. 18, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170316N005	Original release	Apr. 18, 2017

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1. CERTIFICATION

FCC ID:	2AGYKQST1811DR477B
PRODUCT:	FOLDING WIFI DRONE SERIES
BRAND NAME:	N/A
MODEL NO.:	DRW477B
ADDITIONAL NO.:	QST1810, QST1811, QST1812, QST1813, QST1814, QST1815, QST1816, QST1817, QST1819, QST511, QST512, QST513, QST514, QST516, QST517, QST518, QST519, QST801, QST802, QST803, QST804, QST805, QST806, QST807, QST808, QST809
TEST SAMPLE:	Engineering Sample
APPLICANT:	SHANTOU QSTTOYS 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/cm²

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	1	Wire 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	17	+3	14	20

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2462	18.62
802.11g	2412	17.38
802.11n(20MHz)	2412	16.86
802.11n(40MHz)	2422	17.28

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412-2462	20	1	20	0.02505	1.0

--- END ---