



RF EXPOSURE REPORT

Applicant	SHIFT INNOVATION LIMITED
Address	Flat 1.4/F. Kai Fuk Ind.ctr..1Wang Tung Street Kowloon Bay. Kowloon. HK.

Manufacturer or Supplier	SHIFT INNOVATION LIMITED
Address	Flat 1.4/F. Kai Fuk Ind.ctr..1Wang Tung Street Kowloon Bay. Kowloon. HK.
Product	Drone Pro Racers
Brand Name	N/A
Model	DPR14001
Additional Model & Model Difference	DPR14015, DPR14029, DPR14043, etc.
Date of tests	Sep. 29, 2016 ~ Oct. 28, 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. 11, 2016

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Test Report No.: FS160928N045

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS160928N045	Original release	Nov. 11, 2016

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1. CERTIFICATION

FCC ID:	2AJ4E-DRONERACERSRX
PRODUCT:	Drone Pro Racers
BRAND NAME:	N/A
MODEL NO.:	DPR14001
ADDITIONAL NO.:	DPR14015, DPR14029, DPR14043, DPR14057, DPR14071, DPR14085, DPR14002, DPR14016, DPR14030, DPR14044, DPR14058, DPR14072, DPR14086, DPR14003, DPR14017, DPR14031, DPR14045, DPR14059, DPR14073, DPR14087, DPR14004, DPR14018, DPR14032, DPR14046, DPR14060, DPR14074, DPR14088, DPR14005, DPR14019, DPR14033, DPR14047, DPR14061, DPR14075, DPR14089, DPR14006, DPR14020, DPR14034, DPR14048, DPR14062, DPR14076, DPR14090, DPR14007, DPR14021, DPR14035, DPR14049, DPR14063, DPR14077, DPR14091, DPR14008, DPR14022, DPR14036, DPR14050, DPR14064, DPR14078, DPR14092, DPR14009, DPR14023, DPR14037, DPR14051, DPR14065, DPR14079, DPR14093, DPR14010, DPR14024, DPR14038, DPR14052, DPR14066, DPR14080, DPR14094, DPR14011, DPR14025, DPR14039, DPR14053, DPR14067, DPR14081, DPR14095, DPR14012, DPR14026, DPR14040, DPR14054, DPR14068, DPR14082, DPR14096, DPR14013, DPR14027, DPR14041, DPR14055, DPR14069, DPR14083, DPR14097, DPR14014, DPR14028, DPR14042, DPR14056, DPR14070, DPR14084, DPR14098, DPR14099, DPR14100
TEST SAMPLE:	Engineering Sample
APPLICANT:	SHIFT INNOVATION LIMITED
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

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

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)	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)
2412-2462MHz	155.597	2	20	0.04906	1.0

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