



中国认可  
国际互认  
检测  
TESTING  
CNAS L5313



DEKRA

## RF Exposure Evaluation Declaration

Product Name : Parrot Camera FPV  
Model No. : Camera FPV  
FCC ID : 2AG6ICAMFPV

Applicant : PARROT DRONE SAS

Address : 174 Quai de Jemmapes Paris France 75010

Date of Receipt : Jul. 13th, 2017

Issued Date : Aug. 30th, 2017

Report No. : 1772069R-RF-US- P20V01

Report Version : V1.2

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by CNAS, TAF or any agency of the government.

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## Test Report Certification

Issued Date : Aug. 30th, 2017

Report No. : 1772069R-RF-US-P20V01



Product Name : Parrot Camera FPV  
Applicant : PARROT DRONE SAS  
Address : 174 Quai de Jemmapes Paris France 75010  
Manufacturer : GoerTek Inc.  
Address : NO 268 DONGFANG NEW&HIGH-TECH INDUSTRY  
DEVELOPMENT ZONE WEIFANG,SHANDONG 261031  
Model No. : Camera FPV  
FCC ID : 2AG6ICAMFPV  
EUT Voltage : DC 3.3V  
Test Voltage : AC120V/60Hz  
Brand Name : Parrot  
Applicable Standard : KDB 447498D01V06  
FCC Part1.1310  
Test Result : Complied  
Performed Location : DEKRA Testing and Certification (Suzhou) Co., Ltd.  
No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006,  
Jiangsu, China  
TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098  
IC Lab Code: 4075B

Documented By :



(Adm. Specialist: Kathy Feng)

Reviewed By :



(Senior Engineer: Frank He )

Approved By :



(Engineering Manager: Harry Zhao )

## 1. RF Exposure Evaluation

### 1.1. Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

#### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| Frequency Range (MHz)                                     | Electric Field Strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm <sup>2</sup> ) | Average Time (Minutes) |
|---|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| (A) Limits for Occupational/ Control Exposures            |                               |                               |                                     |                        |
| 300-1500  | --                            | --                            | F/300                               | 6                      |
| 1500-100,000  | --                            | --                            | 5                                   | 6                      |
| (B) Limits for General Population/ Uncontrolled Exposures |                               |                               |                                     |                        |
| 300-1500  | --                            | --                            | F/1500                              | 6                      |
| 1500-100,000  | --                            | --                            | 1                                   | 30                     |

F= Frequency in MHz

Friis Formula

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

Where

$P_d$  = power density in mW/ cm<sup>2</sup>

$P_{out}$  = 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

$P_d$  is the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

## 1.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18°C and 78% RH.

## 1.3. Test Result of RF Exposure Evaluation

|           |   |                        |
|-----------|---|------------------------|
| Product   | : | Parrot Camera FPV      |
| Test Item | : | RF Exposure Evaluation |
| Test Site | : | AC-6                   |

### ● Antenna Information:

|                      |                                     |           |                                     |   |                          |           |
|----------------------|-------------------------------------|-----------|-------------------------------------|---|--------------------------|-----------|
| Antenna manufacturer | N/A                                 |           |                                     |   |                          |           |
| Antenna Delivery     | <input checked="" type="checkbox"/> | 1*TX+1*RX | <input type="checkbox"/>            | 2*TX+2*RX   | <input type="checkbox"/> | 3*TX+3*RX |
| Antenna technology   | <input checked="" type="checkbox"/> | SISO      |                                     |   |                          |           |
|                      | <input type="checkbox"/>            | MIMO      | <input type="checkbox"/>            | Basic   |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | Sectorized antenna systems                        |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | Cross-polarized antennas                          |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | Unequal antenna gains, with equal transmit powers |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | Spatial Multiplexing                              |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | CDD   |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | Beam-forming                                      |                          |           |
| Antenna Type         | <input type="checkbox"/>            | External  | <input type="checkbox"/>            | Dipole  |                          |           |
|                      | <input checked="" type="checkbox"/> | Internal  | <input type="checkbox"/>            | PIFA  |                          |           |
|                      |                                     |           | <input checked="" type="checkbox"/> | PCB   |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | Ceramic Chip Antenna                              |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | Metal plate type F antenna                        |                          |           |
|                      |                                     |           | <input type="checkbox"/>            | Cross-polarize Antenna                            |                          |           |
|                      | Antenna Gain                        | -0.2dBi   |                                     |   |                          |           |

- **Power Density:**

| Test Mode                 | Frequency Band (MHz) | EIRP (dBm) | Limit of Power Density S(mW/cm <sup>2</sup> ) | Power Density at R = 20 cm (mW/cm <sup>2</sup> ) |
|---------------------------|----------------------|------------|---|--|
| 802.11b/g                 | 2400 ~ 2483.5        | 22.83      | 1   | 0.0360   |
| BLE(related plane)        | 2400 ~ 2483.5        | -0.97      | 1   | 0.0002   |
| Simultaneous transmission |                      |            |   | 0.0362   |

Note:

1. The maximum power of related plane is calculate for simultaneous MPE.
2. The power density is 0.0362 mW/cm<sup>2</sup> for Parrot Camera FPV without any other radio equipment.

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