



RF Exposure Evaluation Declaration

FCC ID: 2ACS5-E10T

APPLICANT: Yuneec Technology Co., Limited

Product: 3-Axis Gimbal Camera

Model No.: E10T

Brand Name: YUNEEC

FCC Classification: Digital Transmission System (DTS)
Unlicensed National Information Infrastructure (UNII)

Test Procedure(s): KDB 447498 D01v06

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Approved By : Chenz Ker
(Chenz Ker)



The test results relate only to the samples tested.

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

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Revision History

| Report No. | Version | Description | Issue Date | Note |
|---------------|---------|----------------|------------|-------|
| 1801TW0107-U2 | Rev. 01 | Initial Report | 01-23-2017 | Valid |
| | | | | |

1. PRODUCT INFORMATION

1.1. Equipment Description

| | |
|---------------------|--------------------------|
| Product Name | 3-Axis Gimbal Camera |
| Model No. | E10T |
| Brand Name | YUNEEC |
| Wi-Fi Specification | 802.11a |
| Antenna Type | Omni-directional Antenna |
| Antenna Gain | 2.33dBi |

2. RF Exposure Evaluation

2.1. 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 ²) | 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

Calculation Formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

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

P_d is the limit of MPE, 1mW/cm². 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.

2.2. Test Result of RF Exposure Evaluation

| | |
|-----------|------------------------|
| Product | 3-Axis Gimbal Camera |
| Test Item | RF Exposure Evaluation |

| Test Mode | Frequency Band (MHz) | Maximum EIRP (dBm) | Safety Distance (cm) | Power Density (mW/cm ²) | Limit of Power Density (mW/cm ²) |
|-----------|----------------------|--------------------|----------------------|-------------------------------------|--|
| 802.11a | 5745 ~ 5825 | 24.90 | 20 | 0.0615 | 1 |

The wireless device described within this report has been shown to be capable of compliance with basic restrictions related to human exposure to electromagnetic fields for General public. The calculations shown in this report were made in accordance the procedures specified in the applied test specifications. The safety distance is 20cm.