

Certification Exhibit

**FCC ID: 2ADDK360FLY4K
IC: 12404A-360FLY4K**

**FCC Rule Part: 15.247
IC Radio Standards Specification: RSS-247**

ACS Project Number: 16-2006

**Manufacturer: 360fly, Inc.
Model: 360FLY4K**

RF Exposure

General Information:

Applicant: 360fly, Inc.
 ACS Project: 16-2006
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Loop Antenna
 Antenna Gain: 0.03 dBi (2.4 GHz), 1.9 dBi (5 GHz)
 Maximum Transmitter Conducted Power (2.4 GHz): 14.93 dBm, 31.117 mW
 Maximum Transmitter Conducted Power (5 GHz): 12.28 dBm, 16.904 mW
 Maximum System EIRP (2.4 GHz): 14.96 dBm, 31.333 mW
 Maximum System EIRP (5 GHz): 14.18 dBm, 26.182 mW
 Exposure Conditions: Greater than 20 centimeters

MPE Calculation

The Power Density (mW/cm^2) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = power density (in appropriate units, e.g. mW/cm^2)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Table 1: FCC Maximum Permissible Exposure

MPE Calculator for Mobile Equipment Limits for General Population/Uncontrolled Exposure*								
Radio	Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/cm^2)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm^2)
BLE	2402	1.03	1.00	1.27	0.03	1.007	20	0.000
BT	2402	10.8	1.00	12.02	0.03	1.007	20	0.002
2.4 GHz WLAN	2412	14.93	1.00	31.12	0.03	1.007	20	0.006
5 GHz WLAN	5180	12.28	1.00	16.90	1.9	1.549	20	0.005

Table 2: Innovation Science Economic Development Canada Maximum Permissible Exposure

MPE Calculator for Mobile Equipment Limits for General Population/Uncontrolled Exposure*								
Radio	Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (W/m^2)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (W/m^2)
BLE	2402	1.03	5.35	1.27	0.03	1.007	20	0.003
BT	2402	10.8	5.35	12.02	0.03	1.007	20	0.024
2.4 GHz WLAN	2412	14.93	5.37	31.12	0.03	1.007	20	0.062
5 GHz WLAN	5180	12.28	9.05	16.90	1.9	1.549	20	0.052

Installation Guidelines

The installation manual should contain text similar to the following advising how to install the equipment to maintain compliance with the FCC RF exposure requirements:

RF Exposure

In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 centimeters will be maintained.

Conclusion

This device complies with the MPE requirements by providing adequate separation between the device, any radiating structure and the general population.