

# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	DRONE
Model Name	FX-36A, FX-1,FX-2, FX-3, FX-3V, FX-4, FX-4VCI, FX-4V, FX-5, FX-5W, FX-6, FX-6C, FX-6CI, FX-7, FX-7C, FX-7CI, FX-7S, FX-8, FX-8A, FX-8E, FX-8C, FX-8G, FX-9, FX-9A, FX-9E, FX-9C, FX-9G, FX-11, FX-12V, FX-12, FX-13, FX-14, FX-15, FX-15C, FX-15CI, FX-16, FX-16C, FX-16CI, FX-17, FX-18, FX-19, FX-20, FX-21, FX-22, FX-22A, FX-22E, FX-22C, FX-22G, FX-23, FX-24, FX-25, FX-25CI, FX-26, FX-26CI, FX-27A, FX-27E, FX-27C, FX-28, FX-29, FX-29CI, FX-29A, FX-29E, FX-30, FX-31, FX-32, FX-32A,FX-32B, FX-32E, FX-33, FX-34, FX-35A, FX-35E, FX-35C, FX-36, FX-36B, FX-36C, FX-36E, FX-37, FX-38, FX-39, FX-40, FX-41, FX-42, FX-43, FX-44, FX-45, FX-46, FX-47, FX-48, FX-49, FX-50, FX-103, FX-103A, FX-101, FX-102, FX-105, FX-106, FX-107, FX-108
FCC ID	2AFDJFX-36A

## 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

Where  $f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

## 3. CALCULATION

BLE:

$$P_t = -0.528 \text{ dBm} = 0.89 \text{ mW}$$

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation  $\text{SAR} = (0.89 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.440 \text{ GHz}}] = 0.28 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

## 4. CONCLUSION

The SAR evaluation is not required.