

Product Description: Controller of Alpha Drone Pro  
Model No.: 66222  
FCC ID: 2ACS620TX

Frequency range: 2402MHz – 2475MHz  
Maximum Antenna Gain: -2.169 dBi  
Maximum EIRP Output Power: 0.000311W

Following KDB 447498 D01 General RF Exposure Guidance v06, clause 4.3.1:

#### **4.3.1 Exemption from Routine Evaluation Limits – RF Exposure Evaluation**

RF Exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is less than 20 cm, except when the device operates as follows

For 100 MHz to 6 GHz and *test separation distances*  $\leq 50$  mm, the 1-g and 10-g SAR *test exclusion thresholds* are determined by the following:

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

f(GHz) is the RF channel transmit frequency in GHz

$$0.311/(5) \cdot \sqrt{2.475} = 0.0978 < 3$$

Thus for <20cm portable usage, the SAR exclusion condition is fulfilled and SAR evaluation is not required for a separation distance of 5mm or more.