

Product Description: Controller of Proton Micro Drone
FCC ID: VLEHS2419T

Frequency range: 2405MHz – 2476MHz
Maximum Antenna Gain: -11.197 dBi
Maximum EIRP Output Power: 0.001333W

Following KDB 447498 D01, 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* ≤ 50 mm, the 1-g and 10-g SAR *test exclusion thresholds* are determined by the following:
[(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)] $\cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where

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

$$1.333/(5) \cdot \sqrt{2.476} = 0.420 < 3$$

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.