



## **Exhibit: RF Exposure – FCC**

FCC ID: 2AK9O-485BT20

Client	<b>Prolon Inc.</b>	
Product	<b>ProLon BLE Converter</b>	
Standard(s)	FCC Part 15 Subpart 15.247:2017 FCC KDB 447498:2015	

## ***RF Exposure – FCC***

The device is intended for use typically at distances exceeding 20 cm, but the minimum separation distance from the radiating structure to any part of the body or extremity of a user is not stated, however it meets the limit at 5 mm, and is therefore exempt from the requirement.

### **General SAR test exclusion guidance:**

As per FCC KDB 447498 Section 4.3.1 a), the 1-g SAR Test Exclusion Threshold for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm is determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] [\sqrt{f_{\text{(GHz)}}}] \leq 3.0$$

Where:

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

### **SAR Calculations: 2402 – 2480 MHz DTS transmitter**

Peak conducted power was measured to be 0.32 mW. At a separation distance of 5mm, this results to:

$$[0.32 \text{ mW} / 5 \text{ mm}] * [\sqrt{2.480 \text{ GHz}}]$$

$$0.064 * 1.575 = 0.1 \leq 3.0$$

SAR Exclusion Threshold condition is met with peak radiated power.