

## RF Exposure Analysis

**FCC ID: 2AUQO-DESK001**

### Analysis for FCC portable use

Standalone SAR test exclusion considerations are defined in KDB 447498D01 (v06) Chapter 4.3.1 where the 1-g head or body and 10-g extremity SAR exclusion threshold is defined by the following formula:

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

For the Jiffie Dongle - Desktop the maximum conducted output power is 1.0 dBm (1.25mW).

Applying the above data using the given KDB 447498 D01 formula, and minimum separation distance of 5mm, the following results:

$$(1.25\text{mW} / 5 \text{ mm}) \times \sqrt{2.43 \text{ GHz}} = 0.39 \quad (\text{i.e.:} \leq 7.5 \text{ for 10-g extremity SAR})$$

### **Conclusion**

This demonstrates the Jiffie Dongle - Desktop meets the criteria for 10-g extremity SAR test exemption.



Signature: \_\_\_\_\_ Date: \_\_\_\_\_ 12-05-2019 \_\_\_\_\_