

# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

| Product Description | Wireless USB Adapter | - GC |    |    |
|---------------------|----------------------|------|----|----|
| Model Name          | 5B07, 5B03           | 8    | No | N  |
| FCC ID              | 2AKC6XHT-5B07        | GO.  | GC | -0 |

#### 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

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

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

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

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

## 3. CALCULATION

2.4G WIFI:

Pt=7.63dBm=5.79mW

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

The result for RF exposure evaluation SAR=(5.79mW /5mm) .[ $\sqrt{2.62}$ (GHz)]= 1.82<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

5G WIFI:

Pt=5.72dBm=3.73mW

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

The result for RF exposure evaluation SAR=(3.73mW /5mm) .[ $\sqrt{2.62}$ (GHz)]= 1.70<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

Note: The 2.4G WIFI and 5GHz WIFI band can not transmit simultaneously.

## 4. CONCLUSION

The SAR evaluation is not required.

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