

FCC RF Exposure

EUT Description: **Bluetooth Remote**

Model No.: **1007**

FCC ID: **2AQBS-1007**

1. Limits

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

Where:

$$\text{Result} = P/D \cdot \sqrt{F}$$

F= the RF channel transmit frequency in GHz

P=Maximum turn - up power in mw

D=Min. test separation distance in mm

2. Test Result of RF Exposure Evaluation

2.4G

| | frequenc y (MHz) | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separati on distance mm | Result | Limit | SAR Test Exclusion |
|-----|---------------------|--------------------------|---------------------------|--------------------------------|--|--------|-------|-----------------------|
| BLE | 2440 | -0.987 | -1 ± 1 | 0/1 | 5 | 0.3124 | 3.0 | Pass |

Note:
PK Output power= conducted power.
Conducted power see the test report **HK2007021750-E**, antenna gain=0dBi

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.3124 which is ≤ 3 , SAR testing is not required.

Note: Exclusion Thresholds Results $=[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

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

Distance=5mm