

# FCC RF Exposure

EUT Description: **Anti-loss alarm**

Model No.: **SHJ002**

FCC ID: **2BD5F-SHJ002**

## 1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v01 The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$ 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

|      | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separation distance mm | Result  | Limit | SAR Test Exclusion |
|------|--------------------|---------------------|--------------------------|---------------------------------|---------|-------|--------------------|
| 2402 | 4.01               | 3.5±1(4.5)          | 2.82                     | 5                               | 0.87361 | 3.0   | Pass               |

Note:

PK Output power= conducted power.

Conducted power see the test report HK2312055874-E, antenna gain=-0.08dBi

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 0.87361 which is  $\leq$  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