

FCC RF Exposure

EUT Description: Smart watch

Model No.: AF25

FCC ID: **2BHG8-AF25**

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

Where:

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

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

| | Frequency (MHz) | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power (dBm/mW) | Min test separation distance (mm) | Result | Limit | SAR Test Exclusion |
|-----|-----------------|--------------------|---------------------|----------------------------|-----------------------------------|--------|-------|--------------------|
| BLE | 2440 | 8.23 | 8±1 | 9/7.943 | 5 | 2.482 | 3.0 | Pass |
| EDR | 2441 | 8.79 | 8±1 | 9/7.943 | 5 | 2.482 | 3.0 | Pass |

Note:
PK Output power= conducted power.
Conducted power see the test report **HK2407043609-1E/2E**, antenna gain= -3.86dB

BLE and EDR cannot be transmitted at the same time.

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 2.482 which is ≤ 3 , RF Exposure testing is not required.

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

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

Distance=5mm