

FCC RF Exposure

EUT Description: Smart Watch

Model No.: A11

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:

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 |
|---|--------------------|---------------------|--------------------------|---------------------------------|---------|-------|--------------------|
| BLE | 2.22 | 2 ± 1 | 3/ 2 | 5 | 0.62843 | 3.0 | Pass |
| Note: PK Output power = conducted power. Conducted power see the test report HK2108062726-E , antenna gain=1.74dBi | | | | | | | |

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 0.62843 which is ≤ 3 , RF Exposure 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(GHz) is the RF channel transmit frequency in GHz

Distance = 5mm