

# FCC RF Exposure

EUT Description: Remote control

Model No.: RBR-024W

FCC ID: 2BBWI-RBR-024W

## 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  $\leq 50$  mm are determined by:

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

2402MHz:

EIRP(dBm) = 99.3(dBuV/m) - 95.2 = 4.1(dBm)

| Frequency (MHz) | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separation distance mm | Result  | Limit (mW/cm <sup>2</sup> ) | SAR Test Exclusion |
|-----------------|--------------------|---------------------|--------------------------|---------------------------------|---------|-----------------------------|--------------------|
| 2402            | 4.1                | 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 **HK2306062325-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 RF Exposure test exclusion. The test exclusion threshold is 0.87361 which is  $\leq 3$ , 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