

RF Exposure Requirements

Product Description: Bluetooth Keyboard

Model No.: RT709, K09,K09+,RKM709,RT721,K12, WW-709

FCC ID: 2AJU3RT709

According to the KDB 447498 D01 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, 16 where

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

- Power and distance are rounded to the nearest mW and mm before calculation

- The result is rounded to one decimal place for comparison

Bluetooth(BLE)

| Conducted Power (dBm) | Max. Power (mW) | Distance (mm) | Frequency (GHz) | Result | Limit |
|-----------------------|-----------------|---------------|-----------------|--------|-------|
| -0.285 | 0.94 | 5 | 2.402 | 0.29 | 3 |

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$: $0.94/5 \cdot \sqrt{2.402} = 0.29$

The exclusion thresholds is less than 3, therefore, the RF exposure evaluation is not required.