

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Apple iPad 10.2 Rugged Bluetooth Keyboard w/Trackpad
Test Model	UAG-BTKB-01
Series Model	124000114031, 124000B14031, 124001114031, 124001B14031, 124002114031, 124002B14031, 124003114031, 124003B14031, 124004114031, 124004B14031, 124005114031, 124005B14031, 124006114031, 124006B14031, 124007114031, 124007B14031, 124009114031, 124009B14031, 124010114031, 124010B14031, 123242B14031
FCC ID	2A4MYUAG-BTKB

2. EVALUATION METHOD

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

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

3. CALCULATION

BR:

$P_t = -11.421 \text{ dBm} = 0.072 \text{ mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (0.072 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.402}(\text{GHz})] = 0.022 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

