



## RF Exposure Analysis

**FCC ID: 2BCK5TKV10**

### Analysis for module FCC portable use

Standalone SAR test exclusion considerations are defined in KDB 447498D01 (v06) Chapter 4.3.1 where the 1-g head or body and 10-g extremity SAR exclusion threshold is defined by the following formula:

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

- f(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

For the Tedee Keypad – this contains FCC ID: 2BCK5TKV10 (C of ID FCC ID: X8WBT840)

The Operating frequency is 2402 – 2480MHz

The maximum conducted output power = 7.21dBm (5.26mW)

(6.21 dBm + tune Up tolerance 1.0dB - From FCC ID:X8WBT840 module certification ).

Applying the above data using the given KDB 447498 D01 formula, and applying a minimum separation distance of 5mm, the following results:

$$(5.26\text{mW} / 5 \text{ mm}) \times \sqrt{2.48 \text{ GHz}} = 1.66$$

i.e.:  $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

This demonstrates the Tedee Keypad meets the criteria for 1-g head/ body and 10-g extremity SAR test exemption.

Contact us:

[www.tedee.com](http://www.tedee.com)

[office@tedee.com](mailto:office@tedee.com)

(+48) 22 185 78 18

Tedee Sp. z o.o.

Karola Bohdanowicza 21/57

02-127 Warszawa

POLAND