

RF Exposure Analysis

FCC ID: 2AOJL-MARK-Display

Analysis for 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:

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

The ProGlove Mark Display Scanner support Bluetooth LE technology (2402-2480MHz)

For BT LE:

Maximum conducted output power including tolerance is 7dBm (5mW)

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

$(5\text{mW} / 5 \text{ mm}) \times \sqrt{2.45 \text{ GHz}} = 1.6$ (i.e.: ≤ 3.0 for 1-g SAR & ≤ 7.5 for 10-g extremity SAR)

This demonstrates the Mark Display Scanner meets the criteria for 1-g head/ body and 10-g extremity SAR test exemption.

Conclusion

This demonstrates the Mark Display Scanner meets the criteria for 1-g head / body and 10-g extremity SAR test exemption.



Signature: _____ Date: 27/12/2023