

## RF Exposure Requirements

---

Product Description: Barcode Scanner

Model No.: DS1000, DS2800, DS3500, DS5000, DS5500, DS7100, DS7500, DS8100, DS8500,  
DS9000, DS9100, DS9500, DS9900

FCC ID: 2ANYC-DS1000

According to the KDB 447498 D01 v06 section 4.3.1, for 100 MHz to 6 GHz and test separation distances  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

-  $f(\text{GHz})$  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

### Calculation Result:

Tx frequency range: 2402-2480MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power: -3.80dBm

Tune-Up output power: -3dBm

RF channel transmit frequency: 2480MHz

Result: 0.2

Limit: 3.0

The exclusion thresholds is  $0.2 < 3$ , so the transmitter complies with the RF exposure requirements and the SAR is not required.