

RF Exposure Requirements

Product Description: Reslock

Model No.: RL01, NLB02, NX-4373

FCC ID: 2AMWCRL01

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, 16 where}$$

- $f(\text{GHz})$ 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

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: -5.89dBm

Maximum Conducted Output Power: 0.3mW

Limit: 10mW

Source-based time-averaged Conducted output power is $0.3\text{mW} < 10\text{mW}$

So the transmitter complies with the RF exposure requirements and the SAR is not required.