

## RF Exposure Requirements

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Product Description: Card Transmitter

Model No.: CT-96C

FCC ID: 2AMBKCT96C

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<sup>17</sup>
- The result is rounded to one decimal place for comparison

### Calculation Result:

Tx frequency range: 640.10-663.90MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power: 8.909dBm

Tune-Up output power: 9.0dBm

RF channel transmit frequency: 663.90MHz

Result: 1.3

Limit: 3.0

The exclusion thresholds is  $1.3 < 3$ , so the transmitter complies with the RF exposure requirements and the SAR is not required.