RF Exposure Requirements

Product Description: Handheld Barcode Scanner

Model No.: HN-7278HD, HN-3578SR, N150BT, BR150BT, HN-3578XX-XXXR, N170BT, BR170BT, HN-7278SR, HN-7278XX-XXXR, HN-7278XX, HN-3578XX (XX represents the focal distance of lens maybe SR/ MR / LR / HD / HP / WA, etc;X represents software version,maybe (0-9);XX represents customer code,maybe (00-99);R represents ROHS certification)

FCC ID: 2AUTE-7278

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

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- 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

Calculation Result:

Tx frequency range: 2402-2480MHz
Min. test separation distance: 5mm
Maximum Conducted Output Power: 4.01dBm
Tune-Up output power: 4.5dBm
RF channel transmit frequency: 2480MHz
Result: 0.9
Limit: 3.0

The exclusion thresholds is 0.9 < 3, so the transmitter complies with the RF exposure requirements and the SAR is not required.