

RF Exposure

Product: TruGolf Mini Simulator
Applicant: TRUGOLF, INC.
Model: TGM-100
Address: 60 N 1400 W, Centerville, Utah 84014 USA
FCC ID: 2ATIW-TGM-100

Per KDB 447498 D01 General RF Exposure Guidance v06 (10/23/2015) section 4.3.1 (a)
Stand alone SAR test exclusion threshold is applied;

a) 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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 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
- The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

Freq: BLE / 2 480 MHz

Tune-up max. power : -3.00 dBm (0.501 mW)

Min. Test separation distance : 5 mm

SAR exclusion threshold: $[0.501/5] \times [\sqrt{2.480}] = 0.158$ (=0.2, is rounded to one decimal place)

* Tune-up tolerance : -4 dBm +/- 1.0 dB

Therefore, the EUT was not evaluated as the value of SAR exclusion threshold was less than 3 per KDB 447498 D01 v06 section 4.3.1(a)