

## **MPE Calculation / RF Exposure**

Product: EVOA  
Applicant: Nmotion Co.,Ltd.  
Model: EV1000  
Address: 402, 204, Convensia-daero, Yeonsu-gu, Incheon, Republic of Korea  
FCC ID: 2BK7I-EV1000

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

a) 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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$   
for 1-g SAR, and  $\leq 7.5$  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 / 2 440 MHz

Tune-up max. power : -10.32 dBm (0.093 mW)

Min. Test separation distance : 5 mm

SAR exclusion threshold:  $[0.093/5] \times [\sqrt{2.440}] = 0.029$  (=0.1, is rounded to one decimal place)

\* Tune-up tolerance : -11 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)