

MPE Calculation / RF Exposure

Product: Ripplebuds

Applicant: HAEBORA.CO.,Ltd.

Model: RM100

Address: #903, 9F, Geo-Bong Bldg., 11, Samseongro 86-gil, Gangnam-gu, Seoul, Korea

FCC ID: 2AKRQRM100

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 \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
- 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: BDR / 2.441 MHz

Duty cycle is stated at 0.775 %

Tune-up max. power : 7 dBm (5.01 mW)

Min. Test separation distance : 5 mm

SAR exclusion threshold: $[(5.01 \times 0.775)/(5)] \times [2.441] = 1.89$ (=2, is rounded to one decimal place)

* Tune-up tolerance : 6 dBm +/- 1 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)