

MPE Calculation / RF Exposure

Product: Pathfinder
Applicant: Dogtra Co., Ltd.
Model: PT10U
Address: #715-2(146BL-3L) Gojan-dong, Namdong-gu, Incheon, Korea
FCC ID: SWN-PT10U

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: 154.600 MHz

Duty cycle is stated at 0.9925 %

max. power : 32 dBm(1 584 mW)

Min. Test separation distance : 5 mm

SAR exclusion threshold: $[(1584 \times 0.009925) / (5)] \times [0.1546] = 0.4861$ (=0.5, is rounded to one decimal place)

Therefore, the EUT was not evaluated as the value of SAR exclusion threshold was less than 7.5 per KDB 447498 D01 v06 section 4.3.1(a)