

RF EXPOSURE ANALYSIS

EQUIPMENT

Type of equipment:	Keyboard
Type / Model:	Mousetrapper Prime
Manufacturer:	Trapper Data AB
By request of:	Trapper Data AB

Operating frequencies: 2402 – 2478 MHz

REQUIREMENT

CFR 47 §1.1310
RSS-102 issue 5 (2015)

CALCULATIONS

Highest measured conducted output power is -8.9 dBm peak or 0.13 mW.
Result is rounded up to a 1mW for evaluation.

LIMITS & EVALUATIONS:

Standard	Reference for limit	Limit	Unit	Values	Result
CFR 47 §1.1310	KDB 447498 D01 ¹	3	N/A	0.3	PASS
RSS-102 issue 5 (2015)	RSS-102 issue 5 (2015) ²	4	mW	1	PASS

Table 1

¹1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by: $[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f}(\text{GHz})] \leq 3.0$. Test separation distance is taken as 5 mm and maximum power is 1 mW at 2.402 GHz.

²Section 2.5.1, table 1, based on a separation distance of 5 mm and frequency of 2450 MHz.

Summary:

All requirements are fulfilled

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