

# RF EXPOSURE ANALYSIS

## EQUIPMENT

Type of equipment: Rechargeable Li-Ion Battery with BLE  
Type / Model: BLi 200C  
Brand name: Husqvarna AB  
Manufacturer: Husqvarna AB  
By request of: Husqvarna AB

Operating frequencies: 2402 - 2480 MHz

## REQUIREMENT

EN62479:2010  
CFR 47 §1.1310  
RSS-102 issue 5 (2015)

## CALCULATIONS

Highest measured conducted output power is 0 dBm peak or 1 mW.  
With a maximum duty cycle of 100 % the average EIRP is  $\text{avg EIRP} * \text{D.C.} = 1 \text{ mW}$ .

Highest declared output power is 1 mW.  
With a maximum duty cycle of 100 % the average EIRP is  $\text{avg EIRP} * \text{D.C.} = 1 \text{ mW}$ .

**LIMITS & EVALUATIONS:**

Standard	Reference for limit	Limit	Unit	Values	Result
EN 62479	EN62479 <sup>1</sup>	20	mW	1	PASS
CFR 47 §1.1310	KDB 447498 D01 <sup>2</sup>	3	N/A	0.01	PASS
RSS-102 issue 5 (2015)	RSS-102 issue 5 (2015) <sup>3</sup>	4	mW	1	PASS

**Table 1**

<sup>1</sup>From Table A.1 for general public and head and trunk

<sup>2</sup>1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  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 2.405 GHz.

<sup>3</sup>Section 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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