RF EXPOSURE ANALYSIS

EQUIPMENT

Equipment:	Sander
Type/Model:	AROS-B 150NV
Manufacturer:	Mirka Ltd.
Tested by request of:	Mirka Ltd.

Operating frequencies: 2402 - 2480 MHz

REQUIREMENT

EN62479:2010
CFR 47 §1.1310
RSS-102 issue 5 (2015)
AS/NZS 4268:2012+A1:2013

CALCULATIONS

Highest measured conducted output power is 1.3 dBm peak.
Antenna gain is 2 dB. EIRP is then 3.3 dBm equal to 2.1 mW

LIMITS & EVALUATIONS:

Standard	Reference for limit	Limit	Unit	Values	Result
EN 62479	EN62479[1]	40	mW	2.1	PASS
CFR 47 §1.1310	KDB 447498 D01[2]	7.5	N/A	0.01	PASS
RSS-102 issue 5 (2015)	RSS-102 issue 5 (2015)[3]	4	mW	2.1	PASS
AS/NZS 4268	AS/NZS 4268:2012+A1:2013[4]	500	mW	2.1	PASS

Table 1

[1]From Table A.1 for general public and head and trunk

[2]10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by: [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 7.5. Test separation distance is taken as 5 mm and maximum power is 2.1 mW at 2.402 GHz.

[3]Section 2.5.1, table 1, based on a separation distance of 5 mm and frequency of 2402 MHz.

[4]Table 1

Summary:

All requirements are fulfilled

Date of issue: 2018-02-07

Per Larsson

Issued by: Per Larsson

Intertek Semko AB, Radio & EMC