

RF exposure analysis for the equipment Polar 2X (FCC ID: INW2X; IC: 6248A-2X)

The output power of the device is low (2.80 mW) and below the 10 mW SAR Test Exclusion threshold for 2.45 GHz frequency band as detailed in Appendix A of KDB 447498 D01 General RF Exposure Guidance v06. According the formula 4.3.1 a)

$$\left[\frac{2.80mW}{5mm} \right] * [\sqrt{2.402GHz}] = 0.9 \leq 3.0$$

The output power of the device (2.80 mW) is also below 4 mW output power limit for 2.45 GHz frequency band set in section 2.5.1 of RSS-102 in the Table 1: SAR evaluation – Exemption limits for routine evaluation based on frequency and separation distance, separate distance of ≤ 5 mm on 2.45 GHz frequency.

For that reason the equipment is categorically excluded from routine environmental evaluation for RF exposure and it is deemed to comply with FCC and ISSED limits for exposure to electromagnetic fields.

Signed on behalf of Polar Electro Oy in Kempele on August 31st, 2018



Pentti Pärnänen

Specialist, Product Approvals

Tel: +358 440 210 358

Fax: +358(0)8 5202 220

Email: pentti.parnanen@polar.com

Address: Polar Electro Oy

Professorintie 5, FIN-90440 Kempele, Finland