
American Certification Body

Subject: Application for a Class II Permissive Change Request to Certified Transmitter with FCC ID: INWZ0, IC: 6248A-Z0

To whom it may concern:

Polar Electro Oy, located at Professorintie 5, 90440 Kempele, Finland herein submits its' Class II Permissive Change application for the subject transmitter.

The Class II Permissive Change request is due to design changes made to the PWB layout of the product, HW Parts List and Mechanical Enclosure. The changes were made to improve the productionality and mechanical reliability. The details of these changes are explained in a separately provided document.

The design of the Bluetooth radio and antenna design were not changed.

We have permanently disabled the Bluetooth BR/EDR from the device firmware and thereby only the Bluetooth Low Energy was verified with this new design.

Performance data on EMC were obtained in accordance with FCC Rules and Regulations 47 CFR Chapter I Part 15 Subpart B (10-01-14 Edition); ICES-003 ISSUE 5 (2012) & ANSI C63.4-2009: American National standard for methods of measurements of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9kHz to 40GHz. Bluetooth Low Energy maximum output power and radiated emissions data were obtained in accordance with USA FCC Part 15.247, 15.207, 15.209 and CANADA RSS-247, RSS-Gen.

The provided test reports contain data showing that all radiated and conducted spurious emissions are within FCC limits. However, there was an occurrence where the radiated spurious emissions exceeded those in the original filing by an amount greater than the measurement uncertainty.

Since the radiated spurious emissions exceed those originally reported by an amount greater than that attributable to measurement uncertainty, this change does not meet the requirements for a Class I Permissive Change. However, the performance data conforms to FCC limits, thus meeting the requirements for a Class II Permissive Change.

Please contact me at antti.haggman@polar.com / +358 8 5202 100 if you require any additional information.

Yours faithfully,

Signature: 

Name Antti Häggman

Position Specialist, RF Certifications and Approvals

Polar Electro Group