



**ZIMMER BIOMET**

RE: Request for modular approval  
Model: 400.047  
FCC ID: CVOCORA

Orthosoft Inc. dba Zimmer CAS

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To whom it may concern,

We formerly request modular approval on the above reference device pursuant to the requirements of FCC publication 996369 D01 for modular approval of Part 15 devices.

<b>Modular approval requirement</b>	<b>Yes</b>	<b>No</b>	<b>Comment*</b>
(a) The radio elements of the radio frequency circuitry must be shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.		<input checked="" type="checkbox"/>	
(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable FCC rule part under conditions of excessive data rates or over-modulation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Module comply with FCC 47CFR Part 15.247
(c) The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Module has a USB connector and pogo pin connector with an internal power supply circuitry to power the transceiver.
(d) The module must be certified with specific antennas and these antennas must be contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Module has a chip antenna
(e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Module has a USB connector to test in stand-alone mode.
(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Module is labelled with its FCC ID
(g) The module shall comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions provided by the grantee.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Module comply with the FCC 47CFR Part 15.247
(h) The module must comply with RF exposure requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Module comply with the FCC 47CFR Part 15.247

\* Please provide a detailed explanation for each item

Based on the above information this request is for:  
 **LIMITED**  **SINGLE** modular approval.

Sincerely,



Jerome Casaubon

6/17/2019

**Company name and address:** Orthosoft Inc. dba Zimmer CAS , 75 Queen Street, Suite 3300, Montreal, Quebec, Canada, H3C 2N6.

## Limited Modular explanation

Because the CoRa is registered as a limited modular radio, Zimmer CAS must review detail test data or host designs prior to giving the host manufacturer approval for integration of the module. As stated in section 4 and 6, the party integrating the CoRa module in their host device must not modify the Zimmer CAS firmware nor modify/charge the antenna. Also, modification of the RF circuit and/or removal of the shield is strictly prohibited.

The CoRa module contains firmware version 2.0.1.2 that is developed by Zimmer CAS. Integration with the host device is done by using the Serial Communication Specifications document that is available upon request, following a non-disclosure agreement between Zimmer CAS and the integrating party.

The module uses a chip type monopole 2450AT45A100 antenna from Johanson Technology. The antenna act as a dipole with the module printed circuit board ground plane. It is forbidden to use another antenna with the CoRa module.