



Date: February 1, 2016

Dear Application Examiner,

Wilson Sporting Goods, would like to have your authorization for Limited Module Approval specific to the portable device as described herein.

The Wilson Football Tag module is a 2.4 GHz radio containing motion sensors. The motion sensor data is analyzed looking for specific motions. When those motions are detected, the radio transmits statistics about the motion events to a smart device (i.e. a phone or tablet).

Model : MSC1108
FCC ID: 2AHBQWX1F3C8
IC ID: 21110-WX1F3C8

The requirements of FCC Code of Federal Regulations Title 47 Part 15.212 and Industry Canada's RSP-100 Issue 11 (1-2016) Annex D have been met as shown below:

FCC & IC Modular Approval Checklist:

Modular approval requirement	Yes	No
(a) The radio elements must have the radio frequency circuitry shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.		x
Explanation: Radio elements have no RF shielding.		
(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 RSS standard under conditions of excessive data rates or over-modulation.	n/a	
Explanation: Not applicable. No inputs are provided.		

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Modular approval requirement	Yes	No
(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.	x	
Explanation: Module contains its own 3.0VDC power supply. No external source needed.		
(d) The module shall comply with the provisions for external power amplifiers and antennas detailed in FCC Part 15.203, 15.204(b) & 15.204(c) and RSS-Gen Issue 4. The equipment certification submission shall contain a detailed description of the configuration of all antennas that will be used with the module.	x	
Explanation: Device contains a fixed antenna (PCB trace) and cannot be removed.		
(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.	x	
Explanation: The module was tested in a stand-alone configuration		
(f) The module must be labeled with its own FCC ID number and shall comply with Industry Canada's Category I equipment labeling requirements.		x
Explanation: The module itself is too small to be labeled and the module will never be visible in the end enclosure. Final enclosure to be labelled with relevant FCC and IC IDs. See the label and manual exhibits for more specifics.		
(g) The module shall comply with applicable FCC & Industry Canada RSS-102 exposure requirements, which are based on the intended use/configurations.	x	
Explanation: Refer to the RF Exposure brief.		

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Modular approval requirement	Yes	No
(h) The host device and all the separately certified modules it contains jointly meet the RF exposure compliance requirements of RSS-102, if applicable.	x	
Explanation: Wilson Sporting Goods controls the manufacture of host devices. The minimum distance used in the RF Exposure calculations will be maintained in manufacturing.		
(i) Is the modular device for an Industry Canada licensed exempt service?	x	
Explanation: (as needed) The module does not require licensing.		
(FCC - additional) The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.	x	
Explanation: Wilson Sporting Goods controls the manufacture of host devices. See the manual exhibit.		

Please contact me if you have any further questions. Thank you for your attention to this matter.

Regards,

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