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13 July, 2010

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Subject: RADIO Test of the RFID MODULE UHF-CA3-AC5-XMOD = Permissive change Class II of the RFID MODULE UHF-CA3-A5-G2

Applicant: PSION Teklogix Inc.
Product: Integrated UHF RFID Reader
Original Model: RFID MODULE UHF-CA3-A5-G2
New Model: RFID Module UHF-CA3-AC5-XMOD
FCC ID: GM3UHFCA3A5
IC ID: 2739D-UHFCA3A5

The RFID module has to pass the limited Modular approval for FCC and Canadian rules. This module will be approved for use when installed in the following Workabout Pro G2 Handheld PC models: 7527C and 7527S in co-transition with Bluetooth module and WIFI CF-Card RA2041.

The WORKABOUT PRO G2 7527 C and S are colours portables PC (This product is a portable device. It must not be held closer than 20 cm from the rest of the body and must not be used in a holster or on a belt-clip).

They also have a Lithium Ion polymer rechargeable battery pack, optional Laser scanner unit, optional WIFI CF-card (RA2041) and Bluetooth module.

These configurations are already approved:

- 7527 C and S with BT: FCC ID GM37525BTB and IC ID 2739D-7525BTB
- 7527 C and S with BT and WIFI: FCC ID GM37527RA2041 and IC ID 2739D-7527RA2041

The 915 MHz CAEN RFID couplers consisted of an antenna and RFID reader PCB/ interface PCB. Supplied with the unit is a docking station and AC/DC adaptor. The RFID module has an integrated antenna.

For the RADIO test of RFID MODULE UHF-CA3-AC5-XMOD we have used some part of the FCC report from the CAEN reader A528 FCC ID: UVECAENRFID003.

The radio part A528 is exactly the same in the RFID Module UHF-CA3-AC5-XMOD and we have used only the tests part independent of the antenna type.

The only change between RFID MODULE UHF-CA3-AC5-XMOD and RFID MODULE UHF-CA3-A5-G2 is the type of antenna. The RFID MODULE UHF-CA3-AC5-XMOD uses a circular patch antenna with a gain of 2.5 dBic. For information the antenna used in the RFID MODULE UHF-CA3-A5 is a dipole type with around 1.9dBi of gain.

Regards,
Fabien BARRY
Psion Teklogix