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**Subject: RADIO Test of the RFID MODULE UHF-CAQ-AC5-NEO and UHF-CAQ-A5-NEO**

**Applicant: PSION Inc.**
**Product: Plugged UHF RFID Reader**
**Models: RFID Module UHF-CAQ-AC5-NEO and RFID Module UHF-CAQ-A5-NEO**
**FCC ID: GM3UHFCAQNEO**
**IC ID: 2739D-UHFCQNEO**

The RFID module has to pass the limited Modular approval for FCC and Canadian rules. This module will be approved for use when plugged in the following NEO Handheld PC models: PX750 in co-transmission with Bluetooth module and WIFI, or PX750 in co-transmission with Bluetooth only.

The NEO with Plugged UHF RFID Reader is a colour mobile PC. The product is a mobile device and 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. It also has a Lithium Ion polymer rechargeable battery pack, Laser scanner unit, optional WIFI, and Bluetooth module.

These configurations are already approved:

- PX750 with BT and WIFI : FCC ID GM3PX750BT and IC ID 2739D-PX750BT
- PX750 with BT: FCC ID GM3PX750BT8 and IC ID 2739D-PX750BT8

The RFID module is a 915 MHz CAEN reader QUARK (R1230CB) RFID couplers. It is consisted of an antenna and RFID reader PCB/ interface PCB. This coupler is plugged on the PX750 external expansion port. 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-CAQ-AC5-NEO and RFID MODULE UHF-CAQ-A5-NEO we have used some part of the FCC report from the CAEN reader QUARK (R1230CB) FCC ID: UVECAENRFID010.

The only change between the RFID MODULE UHF-CAQ-AC5-NEO and RFID MODULE UHF-CAQ-A5-NEO is the type of antenna. The first one uses a circular patch antenna with a gain of 2 dBic and the second one uses a dipole with a gain of 1.9 dBi.

We have used the test result of Carrier frequency stability. The radio part QUARK (RC1230CB) is exactly the same in the RFID Modules UHF-CAQ-AC5-NEO and UHF-CAQ-A5-NEO and we have used only the tests part independent of the antenna type.

Regards,

Fabien BARRY
Psion