Application Examiner
Telecommunication Certification Body
RFI Global Services Ltd.
Pavilion A
Ashwood Park
Basingstoke
Hampshire
RG23 8BG
United Kingdom

Re: Modular Approval application 10th March 2009
Applicant: Paxton Access Ltd
FCC ID: USE654943
Model Number: 654-943-US

To whom it may concern,

This application is submitted in accordance with FCC Public Notice, DA 00-1407, for Part 15 Unlicensed Modular Transmitter Approval. This Low Power transceiver module complies with the requirements specified in DA 00-1407 as described below:

1) **Inherent RF Shielding** - The Net2 nano circuit board has inherent RF shielding to minimize emissions for compliance to FCC Part 15, Subpart C requirements. This inherent shielding is due to the radio transceiver being a self contained chip with external crystal. The addition of the extra board sited 1.6 cm above the active PCB, also acts as a protective shield to the circuitry.

2) **Buffered modulation/data inputs** – The data/modulation rates are defined by the IEEE802.15.4 standard, which has been developed to comply with FCC Part 15 rules. The Chipcon CC2430 transceiver chip controls the data/modulation rates in accordance with this standard.

3) **Power Supply Regulation** - The Net2 nano has on board regulators and filtering circuitry to generate the various voltages required. The +12VDC from the power input terminal is used as the source to generate the +12V, 5V and 3.3V onboard voltages.

4) **Antenna Requirements per Section 15.203 and 204(c)** - The Net2 nano has an antenna that complies with Section 15.203 and 204(c). The module has an integral PCB antenna that is inaccessible to the user.

5) **Tested in Stand-Alone Configuration** - The Net2 nano was tested as a stand-alone device and was compliant with FCC Part 15, Subpart C, requirements as detailed in the Test Report contained in this application. The module is intended to

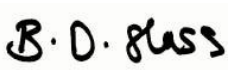
be powered from a +12 VDC source provided by undefined power supply or host terminal.

6) **FCC ID Label** - Exhibit 1 contains the labelling requirements of the module and the user manual, Exhibit 8, contains instructions for carrying the FCC ID to the exterior of the final product.

7) **Comply with Specific Rules and Operation Requirements** - The module was compliant with FCC Part 15, Subpart C, specifically Section 15.247 for operation in the band of 2400-2483.5 MHz. The test results are detailed in the Test Report.

8) **RF Exposure Requirement Compliance** - The Net2 nano complies with the Maximum Permissible Exposure (MPE) levels of ANSI/IEEE C95.1-1992 and 47 CFR 1.1310, Table 1 for an uncontrolled environment. Compliance is demonstrated with the MPE calculation contained in this application.

Sincerely,



Quality Manager
Paxton Access Ltd