

December 14, 2012

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046-1609
Re: FCC ID: **F5312WiFi422SCW** – Limited Modular Approval

Dear examiner,

We the undersigned intent to submit for authorization **WiFi422SCW** under FCC ID: **F5312WiFi422SCW** as a limited modular approval as per FCC rule Part 15.212. This device meets the requirements as a modular device stated in public notice DA00-1407 and KDB996369 DR01 v01r03 and summarized below:

1. This modular transmitter has its own RF shielding and will not rely upon the shielding provided by the host into which it is installed in order for all modular transmitter emissions to comply with Part 15 limits, nor will it cause any coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed.

WiFi422SCW contains the WiFi module from Roving (FCC ID: T9J-RN171) that is shielded. Please see attached pictures.

2. This modular transmitter has buffered input data according the definition of DA00-1407 and complies with Part 15 requirements under conditions of excessive data rates or over-modulation.

WiFi422SCW contains the WiFi module from Roving (FCC ID: T9J-RN171) that has buffered input data.

3. The modular transmitter has its own power supply regulation to ensure compliance with Part 15 requirements regardless of the design of the power supplying circuitry in the host device into which the module is installed.

WiFi422SCW contains its own regulator U1 (please refer to attached schematic for UA608 Rev. 03).

4. This modular transmitter complies with the antenna requirements of FCC rule Title 47 Section 15.203 and 15.204(c). The antenna is permanently attached.

WiFi422SCW has the antenna soldered to the PCB assembly (UA608 Rev. 03).

5. WiFi422SCW was tested within the host equipment DSC alarm control panel SCW9057 (G)-433. It is intended to be used together with the commercially available DSC alarm control panels family of models: SCW9055(D)(G)(I)-433 and SCW9057(D)(G)(I)-433. The device is provided with power from the host control panel and communicates with a serial interface inside this host control panel. The DSC alarm control panel incorporates another cellular radio transmitter which is modular approved under (FCC ID: F53113G255SM and IC ID IC: 160A-3G255SM).

6. This modular transmitter will be labeled with its own FCC ID number. In the event that the module is installed inside a host device and the FCC ID of the module is not visible the host device will display a label referring to the FCC ID of the enclosed module. We the grantee will either provide such a label to the integrator or instructions explaining this requirement. A copy of these instructions will be included in this application for equipment authorization.

WiFi422SCW has its own FCC ID label (see attached drawing) and it is shipped with an additional label that is applied to the host control on the outside enclosure. Instructions on how to apply the label are provided with the User Manual available for this module.

7. This modular transmitter complies with any specific rule or operating requirements applicable to the transmitter. Adequate instructions, along with the module, will be provided to the integrator to explain any such requirements. A copy of these instructions will be included in this application for equipment authorization. WiFi422SCW has its own User/Instructions manual that is provided to the end user for assistance with the installation and setting of the module. See attached submitted manual.



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8. This modular transmitter complies with any applicable RF exposure requirements. The EMC laboratory of Cetecom Inc., Milpitas, CA, USA has verified compliance with the applicable RF exposure requirements, please refer to the submitted test reports.

Yours truly,

A handwritten signature in black ink, appearing to read 'Dan Nita', written in a cursive style.

Dan Nita
DSC, Approvals Manager
905-760-3000