



FCC ID : PQRDS540-MPCI6  
Model : FX-DS540-MPCI6  
Applicant : CONTEC CO., LTD.

Date: March 20, 2006

### **Request for Limited Modular Approval**

The Wireless LAN MiniPCI Module (Model: FX-DS540-MPCI6) is designed by CONTEC CO., LTD.

This modular transmitter will be equipped and used only for host device such as measuring equipment which can supply regulate power of 3.3V stably.

The modular transmitter complies the module basic requirement (Item 1 to 8) in FCC Public Notice: Part 15 Unlicensed Modular Transmitter Approval (DA00-1407) as indicated below.

#### **[Module basic requirement]**

- (1) Have its own RF shielding:

This modular transmitter has its own RF shielding. Please refer to the following Photo;



- (2) The modular transmitter must have buffered modulation/data inputs:

Data input to this modular transmitter is controlled as not generating excessive data speed and abnormal modulation.

- (3) The modular transmitter must have its own power supply regulation:

The modular transmitter has two regulators. DC3.3V from MINI PCI Bus is regulated to DC 2.5V and DC1.8V. DC2.5V and DC3.3V are supplied to radio part. DC 1.8V and DC 3.3V are supplied to MAC Controller. Therefore, the modular transmitter meets the requirement.

- (4) The modular transmitter must comply with the antenna requirements of Section 15.203, 15.204(c) and 15.407(d):

Unique coupling (antenna connector, Type: AYU1) is used for the modular transmitter.

- (5) The modular transmitter must be tested in a stand alone: The test has been performed as a stand alone. Please refer to the test report.

- (6) The modular transmitter must be labeled with its own FCC ID, and, if the FCC ID are not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module:

This modular transmitter is complied with this requirement. Please refer to the Label drawing and location. In addition, the final product will display FCC ID of the module, if it is installed inside.

- (7) The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements:

The necessary explanation to be complied with this requirement is contained in the manual.

- (8) The modular transmitter must comply with any applicable RF exposure requirements: Please refer to the RF exposure statement.

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