

FCC ID : PQRDS540-MPCI4W
Model : FX-DS540-MPCI4W
Applicant : CONTEC CO., LTD.

Date: December 2, 2004

Request for Limited Modular Approval

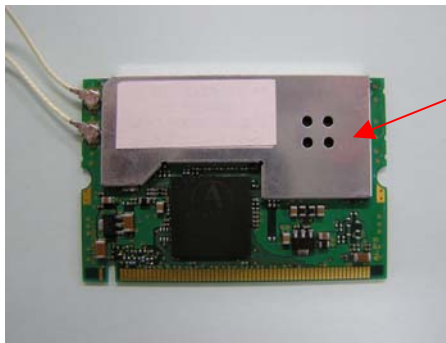
The modular transmitter (Model: FX-DS540-MPCI4W) is designed by CONTEC CO., LTD. This modular transmitter will be equipped and used only in Wireless LAN Access Point, which is produced by CONTEC CO., LTD. or the manufacturer consigned the production by CONTEC CO., LTD. It will not be installed in a portable device and 20 cm separation between the transmitter and person's body will be maintained.

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 A1 Photo.



RF shielding

A1 photo: Modular Transmitter

- (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):

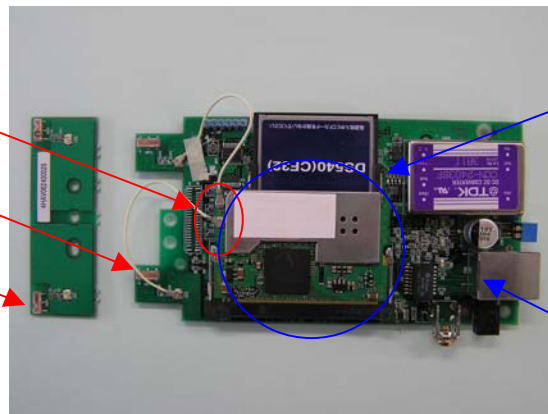
Unique coupling (antenna connector, Type: AYU3) is used for the modular transmitter. In addition, the modular transmitter is installed in the end product by the professional. Neither antenna nor cable is to be exchanged with any other replacement. Neither does the length of cable change. Please refer to the A2 Photo.

Antenna
connector

Antenna 1

Antenna 2

Antenna 1 and 2 are identical.
Only mounting arrangement
is different as shown in the photo.
Either Antenna 1 or 2 is used for
this device.



Modular Transmitter
(EUT)

Main Board of
Wireless LAN
Access Point
(host device)

A2 Photo: Modular Transmitter and Main Board (Stand Alone)

- (5) The modular transmitter must be tested in a stand alone:
The modular transmitter has been tested in a stand alone and then confirmed the compliance. Please refer to the Test report, No. 25CE0272-HO-1, 2 Please see A2 photo, too.
- (6) The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is 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 RF Exposure Information, No. 25CE0272-HO-1, 2.

Naoki Ikeda

Naoki Ikeda
Product Engineering Sec.
Quality Assurance Center
Device & Component Business Div.
CONTEC CO., LTD.