

FCC ID : BBP-WLRWL542
IC Number : 144D-WLRWL542
Model : R-WL54C1N/ R-WL54M1N
Applicant : Ricoh Company, Ltd.

Date: April 2, 2010

Request for Modular Approval

The Option(s) of Radiocommunications (Model: R-WL54C1N/ R-WL54M1N) is designed by Ricoh Company, Ltd.. The only difference between these two models is its antenna; Chip antenna for R-WL54C1N and Monopole antenna for R-WL54M1N.

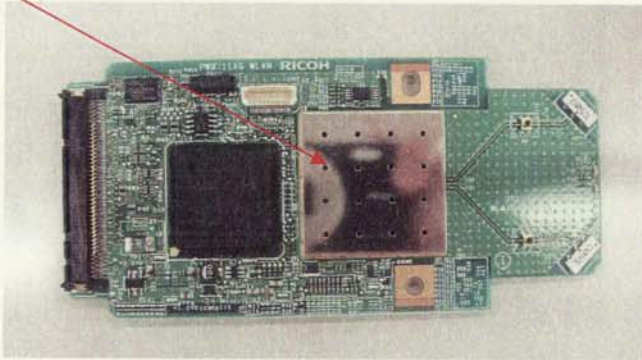
This modular transmitter will be equipped and used only in Printer, which is produced by Ricoh Company, Ltd. or the manufacturer consigned the production by Ricoh Company, Ltd..

The modular transmitter complies the Modular Transmitter requirement in FCC Part 15 Subpart C Section 15.212 and Canada RSS-Gen, Issue 2, 7.1.1 and 7.1.2 as indicated below:

[Module basic requirement]

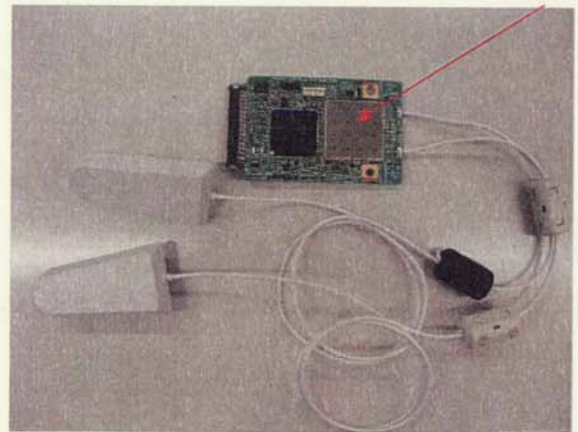
(1) Have its own RF shielding: This modular transmitter has its own RF shielding. Please refer to the following Photos;

RF shielding



R-WL54C1N

RF shielding



R-WL54M1N

(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:

This module has a power supply regulating circuit (power supply regulation) inside the IC, and regulated at DC2.8V. 3.3V is input from CN1 (RHM-88R-SSK01-1), and 2.9V, 2.8V, 1.2V and 3.3V are supplied into the module via the regulators made by Ricoh. Please refer to Block diagram.

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

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the end-product (Printer) manufactured by Ricoh Company, Ltd.. Therefore, the equipment complies with the antenna requirement of Section 15.203.

(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 or IC number, and, if the FCC ID or IC number 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.:

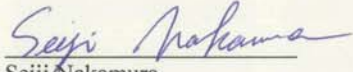
This modular transmitter is complied with this requirement. Please refer to the Label drawing and location. "Contains FCC ID: BBP-WLRWL542" and "Contains IC: 144D-WLRWL542" will be indicated on outside of end product.

(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.

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(8) The modular transmitter must comply with any applicable RF exposure requirements:
The modular transmitter complies with FCC and IC radiation exposure requirement specified in the FCC Rules 15.247(i), 15.407(f) and IC Rules RSS-102. Please refer to the RF Exposure sheet.



Seiji Nakamura

Leader