

TRP Inc

February 19, 2010

Federal Communications Commission
Laboratory Division
7435 Oakland Mills Rd
Columbia MD 21036

Re: Request for certification by Konica Minolta Business Technologies for limited modular approval for a low power transmitter, FCC ID: EDUA1RF, to be installed in a series of printers and copiers having similar physical and electrical characteristics.

Gentlemen:

On behalf of Konica Minolta Business Technologies, 2970 Ishikawa-machi, Hachioji-shi, 192-8505 Tokyo Japan, please find the attached certification application for a modular Low Power Communications Transmitter operating on a frequency of 13.56 MHz. The low power modular transmitter is installed at the factory within the printer or copier as a separate PC board assembly and is used to provide readout of system information.

1. The modular transmitter has its own RF shielding to the extent needed. As can be seen from the test site photos, the device was tested outside the host equipment that provided data and power to the unit. This basic pc board is host to the RF transmitter circuit and is used across many printers and copiers comprising a family of products having the same basic mechanical and electrical specifications.
2. This modular transmitter only has data inputs from the basic printer assembly thus ensuring that the module will continue to comply with Part 15 requirements and no conditions of excessive data rates or over-modulation can occur.
3. This modular transmitter receives its DC power from a regulated supply providing power to the main PC board. The design of the power supply circuitry in the printers into which the PC board is installed requires a regulated supply voltage at a fixed level to the PC board thus ensuring the modular transmitter will always receive the correct regulated voltage.
4. The modular transmitter complies with the antenna requirements of Part 15 and is a small multi-turn inductively coupled loop antenna that couples to the installed passive tag.
5. This modular transmitter was tested in a stand-alone configuration outside the host device during testing. The host device will be an ac-powered unit intended to be used as a small office/business printer/copier.
6. This modular transmitter is labeled with its own FCC ID number and, if the FCC ID number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed will also display a label referring to the enclosed module. This exterior label will use this wording: "Contains FCC ID EDUA1RF".

7. This modular transmitter complies with all operating requirements applicable to a transmitter.
8. This modular transmitter complies with applicable RF exposure requirements. Its measured extrapolated field strength level is 16.98 dBuV/m at 30 meters. This is very conservative and the level would be much lower. Further, the module is intended to be installed inside a host device which provides additional isolation from the user. Specific installation and operating instructions for users are not required as the only user installed portion of this system is replacement toner cartridges that have very fixed installation procedures.

Please forward the FCC certificate and letter to me at jinglis@erols.com. If there are any additional questions, please contact me at 410-531-3439.

Sincerely,

(signed)

Phillip Inglis
Consultant

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