1 GENERAL INFORMATION

1.1 Product description

The L-P101 is a Medium Range 13.56 MHz RFID reader especially designed for Library applications. The L-P101 has been designed to be used in combination with Aero LI, L-SA3 and LW1 antennas.

The L-P101 can decode Folio 20, Folio 320 and Folio 370 Library Tags.
Due to its small size, the L-P101 can be used either in desktop configuration or easily integrated in self check stations.
The L-P101 Tag readers are easy to integrate because of its:

- small size
- USB 1.1 communication link

The L-P1011 is a convenient tool for library staff:
The L-P01 is designed to perform a variety of tasks:

- Inventory all the books on a given shelf
- Search specific books
- Tracking record the location of books on a given shelf

The L-P101 uses the coupler's RF output to radiate the magnetic field and power up the smart label, The signal is modulated by the coupler to communicate commands to the smart label. The antenna also receives modulation from the smart label acting as a field disturbing device. This signal is then delivered to the coupler. The L-P101 can communicate to the PC via the USB 1.1 communication link.

For more information, see user's guide at section 3.

1.2 Related Submittal(s) / Grant(s)

All host equipment used in the test configuration are FCC granted, when relevant.

1.3 Tested System Details

The FCC IDs for all equipment, plus description of all cables used in the tested system are:

See test report file.

1.4 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.4-2000, CISPR22-2003 and EN55022:1998+/A1:2000+/A2:2003.
Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.5 Test facility

Tests have been performed on September 19th, 2005.
The test facility used to collect the radiated and conducted data is the **LCIE** (Etablissement Voiron) facility, located ZI des Blanchisseries, 38500 VOIRON, France. This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-1992 in a letter dated July 14, 2005 (registration number 94821).
This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.

1.6 Data sheet of the L-P101

Mechanical Characteristics

Description	L-P101
Operating Frequency	13.56MHz
Compatibility	TAGSYS C220, C320 and ISO-15693 chips
Serial Link	USB1.1
Network Operating	Yes
Firmware upgradeable	Yes

For more information see user's guide §6 & §7.