1 GENERAL INFORMATION

1.1 Product description

The "GemPocket" device is a portable smart card reader for banking and secure payments.

GemPocket reader is handheld device designed to secure the authentication of a cardholder for remote banking, e-commerce or network access control applications.
The reader's main role is to prevent the user to type his/her PIN on the workstation keyboard, which is considered a vulnerable environment.

After having inserted the smart card, the GemPocket user is invited to enter his/her PIN code. Then the reader formats and displays the One-Time Password (**OTP**) computed by the card. The OTP is a unique and non-reusable numeric password that allows the remote server to authenticate both the smart card and its owner. This two-factor authentication is a strong alternative to static password schemes or token devices currently used today.

The GemPocket a product developed by the Gemplus Company.

For more information, see product's data sheet at section 1.6.

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 (including inserted cards, which have grants) are :

See test report file : 3475-FCC

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 product

Technical specifications

Functionality
- PIN entry
- One-Time Password display
- Challenge-response procedure
- Reader status display
- Last transactions display
- E-purse balance (option)

Compliance to standards
- EMV
- MasterCard 3DS CAP, APACS

Smart card interface
- T=0 and T=1 protocols
- Card power supply = 5 V
- ISO 7816-1 to –3 asynchronous cards
- Communication speed= 9,600bps

Smart card connector
- Eight ISO location frictio
- 10,000 insertion cycles

- Embossed cards supported

Keypad
- Silicon rubber keys
- 0 to 9 keys + 6 function keys

Display
- Graphical LCD screen
- Size = 2 lines of 11 alpha numerical characters

Physical characteristics
- Dimensions = 95 mm x 67 mm x 12 mm
- Weight = 70 g

Power supply
- Replaceable alkaline batteries
- Automatic power off after two minutes of inactivity
- Low battery symbol display
- Five years battery life time

Temperature
- Operating temperature = +5 °C to +40 °C Storage tem
- Storage temperature = -10 °C to +60 °C

Certifications

- CE
- FCC Class B part 15,