Uppgjord (även faktaansvarig om annan) - *Prepared (also subject responsible if other)*		Nr - *No.*		
WSS Mikael Ohlsson		WSS/D/R/ 01:10		
Dokansv/Godk - *Doc respons/Approved*	Kontr - *Checked*	Datum – *Date*	Rev	File
WSS Pär Bergsten		2001-03-16	PA1	

Bluetoothä LSE 039 Compact Flash

LSE 039 Blue Card:

The "LSE 039 Compact Flash" is a compact flash card for Bluetooth applications, for enabling of laptop PC's, Desktop PC's, PDA's and other "type1" compact flash Host enabled devices to interface to Bluetooth.

This device includes all the hardware , drivers and software applications to enable a Windows CE 3.0, Windows 95/98 and NT4 compact flash enabled platform with per-to-per file transfer, Dial-up networking, LAN Access and FAX. In addition the card also supports wireless printing in combination with the LSE019 Printer Adapter. Easy installation and configuration with Windows CE 3.0, Windows 95/98 and NT4.

Features:

- Bluetooth V1.1 compliant (pending)
- Data rates up to 460 kbs
- Proprietary wireless printing supported (requires LSE019 Printer Adapter)
- The antenna is integrated into the Compact Flash

Application Profiles:

- File Transfer profile
- Serial port profile
- Dial-Up Networking profile
- LAN Access profile
- FAX profile
- Proprietary wireless printing

The LSE 039 Compact Flash Card is certified by the Bluetooth SIG and compliant with the Bluetooth 1.1 specification. Further more, the product complies with the regulatory national requirements (safety, EMC and radio type approval) according to the "Wireless Solutions Product Approval sheet" appendix A.

Note! Bluetooth™ is a trade mark owned by Telefonaktiebolaget L M Ericsson, Sweden and licensed to Wireless Solutions Sweden AB.

Technical Specification, LSE 039 Compact Flash Card:

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WSS Pär Bergsten		2001-03-16	PA1	

Radio Specifications:

Frequency range	2.402 – 2.4800 GHz
	Programmable for specific national regulations
Supported Specification	Bluetooth 1.1 specification (pending)
RF output power	0 dBm, Power Class 2
Power management	Active and passive power saving modes
Receiver sensitivity	Better than -70 dBm at 0.1% BER
Frequency spectrum utilization	Frequency Hopping Spread Spectrum (FHSS)
Modulation	Gaussian Frequency Shift Keying (GFSK)
Bit-rate	1 Mbs
Antenna	Integrated
Regulative compliance	FCC part 15, UL 1950 (US), ETS 300 328, ETS 300 826, EN 60950 (EUROPE).

Electrical Characteristics:

Power supply	3.3 V and 5 V from Flash card connector
Max power consumption	60 mA
Min power consumption	10 mA
Physical interface	Type I Compact Flash Card slot
Visual indicators	Data traffic (LED)
	Power (LED)

Security:

Initialization	4 digit PIN code
Authentication	Security mode 2 supported
Encryption	Supported

Mechanical Specifications:

Physical dimensions	47.75 x 42.87 x 5.98 mm

Environment:

Operating temperature	0 to 55°C
Storage temperature	-20 to 70°C
Humidity	5 – 95% non condensing

Configuration:

Drivers, set-up and configuration	Drivers for Windows CE 3.0, Windows 95/98 and NT4

Software maintainability:

PC Card software upgrade	From a host device connected to a PC

Uppgjord (även faktaansvarig om annan) - *Prepared (also subject responsible if other)* WSS Mikael Ohlsson		Nr - *No.* WSS/D/R/ 01:10		
Dokansv/Godk - *Doc respons/Approved* WSS Pär Bergsten	Kontr - *Checked*	Datum – *Date* 2001-03-16	Rev PA1	File

Appendix A

Wireless Solutions Sweden AB Product Approval Sheet

The LSE 039 Compact Flash Card is tested and compliant with the national regulatory requirements according to the standards mentioned below.

European Union:

- EMC ETS 300 826 (EMC standard for 2,4 GHz wide band transmission systems and hiperlan)
- Radio ETSI EN 300 328-1 (EMC and radio spectrum matters for 2,4 GHz ISM band)
- Safety EN 60 950 (Safety of Information technology equipment)

Compliance with this standards covering essential requirements under the 1999/5/EG R&TTE directive is necessary for placing the product on the EU market.

U.S / Canadian market:

- EMC FCC CFR47 part 15.C (Emission requirements for product operating within 2.4 GHz ISM band)
- Radio FCC CFR47 part 15.247 (Radio spectrum requirements for FHSS systems operating within the 2.4 GHz ISM band)
- Safety UL 1950 (Safety of information technology equipment)

Compliance with this standards, UL-listing and FCC-registration is necessary for placing the product on the U.S / Canadian market.