EMC Technologies Report Number: M080621_Cert_MC8781_C2PC

APPENDIX E

MC8781 User Manual

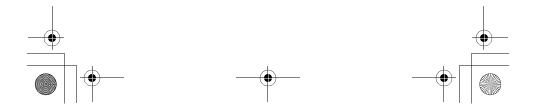
3G Mini-Card MC8781

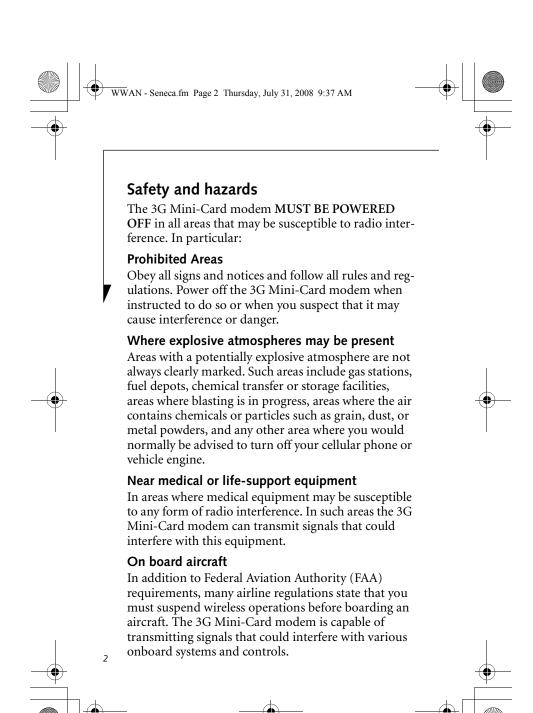
Regulatory and Safety Information

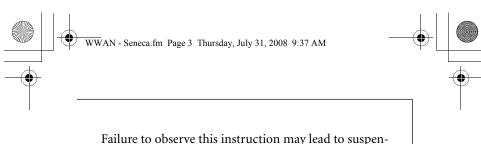
Please read this document carefully prior to using the 3G Mini-Card MC8781 modem in your Fujitsu Life-Book.

Important notice

Because of the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (that is, have errors) or be totally lost. Although significant delays or losses of data are rare when wireless devices such as the 3G Mini-Card modem are used in a normal manner with a well-constructed network, the card should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. Sierra Wireless and its affiliates accept no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the 3G Mini-Card modem, or for failure of the modem to transmit or receive such data.







Failure to observe this instruction may lead to suspension or denial of cellular telephone services to the offender, legal action, or both.

Some airlines may permit the use of cellular phones while the aircraft is on the ground and the door is open. The 3G Mini-Card modem may be used normally at this time.

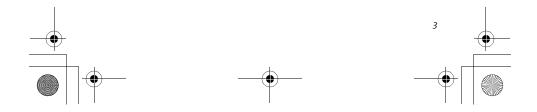
While operating a vehicle

The driver or operator of any vehicle should not use a wireless data device while in control of a vehicle. Doing so detracts from the driver or operator's ability to control and operate the vehicle. In some countries, using such communications devices while in control of a vehicle is an offence.

Important safety/compliance information for North American users

Caution: Unauthorized modifications or changes not expressly approved by Sierra Wireless, Inc. could void compliance with regulatory rules, and thereby your authority to use this equipment.

The design of the 3G Mini-Card modem complies with U.S. Federal Communications Commission (FCC) and Industry Canada (IC) guidelines respecting safety levels of radio frequency (RF) exposure for portable devices, which in turn are consistent with the following safety standards previously set by Canadian, U.S. and international standards bodies:



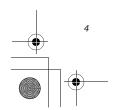


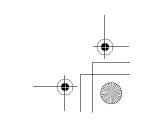


- ANSI / IEEE C95.1-1999, IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3kHz to 300 GHz
- National Council on Radiation Protection and Measurements (NCRP) Report 86, -1986, Biological Effects and Exposure Criteria for Radio Frequency Electromagnetic Fields
- Health Canada, Safety Code 6, 1999, Limits of Human Exposure to Radio Frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz
- International Commission on Non-Ionising Radiation Protection (ICNIRP) 1998, Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz)

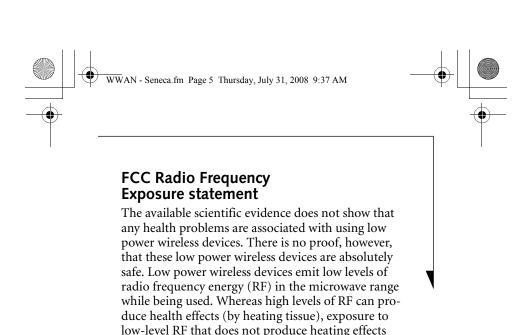
3G Mini-Card Modem	FCC ID: N7NMC8781-F
	IC: 2417C-MC8781

Caution: The 3G Mini-Card modem has been evaluated for compliance with FCC/IC RF exposure limits in this laptop configuration. This 3G Mini-Card modem must not be collocated or operated in conjunction with any other antenna or transmitter other than the transmitters that have been approved with this laptop. Use of this device in any other configuration may exceed the FCC RF Exposure compliance limit.









Proper LifeBook Orientations

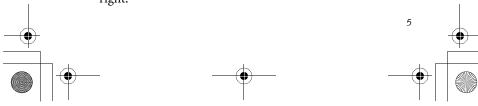
lines in Supplement C to OET65.

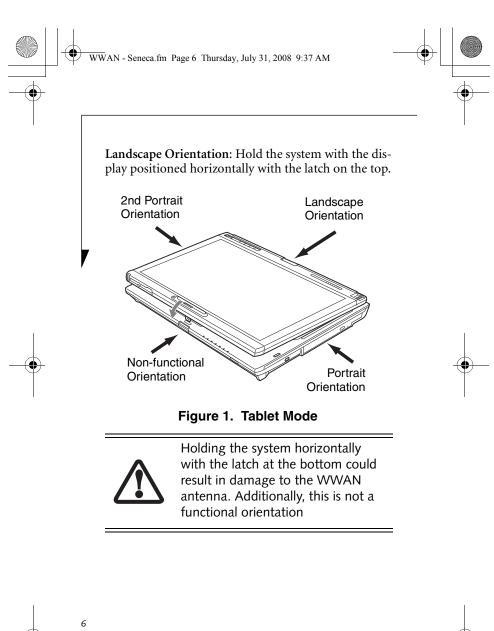
Your computer can be used in tablet configuration in three different orientations. (*Figure 1*):

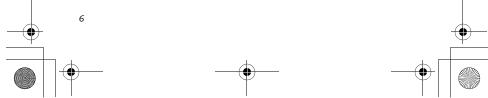
causes no known adverse health effects. Many studies of low-level RF exposure have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. The UMTS WWAN and the WLAN radio devices have been tested and found to comply with FCC radiation exposure limits set forth for an uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guide-

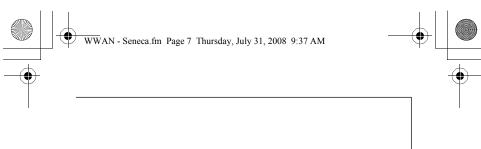
Portrait Orientation: Hold the system with the display positioned vertically with the latch on the left.

2nd Portrait Orientation: Hold the system with the display positioned vertically with the latch on the right.



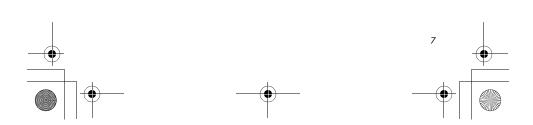


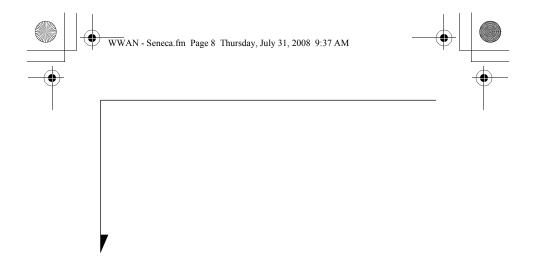




Radio Frequency and Electrical Specifications	
Compliance	GSM Release 6
UMTS bands	IMT 2100 / 850 / 1900 MHz (Band Class I, II, V)
GSM / EDGE bands	850 / 900 / 1800 / 1900 MHz
Channel spacing	200 kHz (GSM) 5 MHz (WCDMA)
Channel raster	200 kHz
Frequency stability	0.1 ppm











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