



WMOi3 Integrated Modem

Declaration Of Conformity



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RF exposure instructions

Pursuant to 47 CFR § 24.52 of the FCC Rules and Regulations, personal communications services (PCS) equipment is subject to the radio frequency radiation exposure requirements specified in § 1.1307(b), § 2.1091 and § 2.1093, as appropriate.

The Wavecom WMOI31900 modem is a GSM (PCS-1900) terminal which operates in the US licensed PCS frequency spectrum. The device transmits over the 1850-1910 MHz band and receives over the 1930-1990 MHz band.

Wavecom certifies that it has determined that the modem complies with the RF hazard requirements applicable to broadband PCS equipment operating under the authority of 47 CFR Part 24, Subpart E of the FCC Rules and Regulations. This determination is dependent upon installation, operation and use of the equipment in accordance with all instructions provided.

The modem is designed for and intended to be used in fixed and mobile applications. "Fixed" means that the device is physically secured at one location and is not able to be easily moved to another location. "Mobile" means that the device is designed to be used in other than fixed locations and generally in such a way that a separation distance of at least 20 cm (8 inches) is normally maintained between the transmitter's antenna and the body of the user or nearby persons. The Modem is not designed for or intended to be used in portable applications (within 20 cm of the body of the user) and such uses are strictly prohibited.

To ensure that the DTSA complies with current FCC regulations limiting both maximum RF output power and human exposure to radio frequency radiation, a separation distance of at least 20 cm must be maintained between the unit's antenna and the body of the user and any nearby persons at all times and in all applications and uses. Additionally, in mobile applications, maximum antenna gain must not exceed 3 dBi (to comply with Section 24.232(b)) and is limited to 7dBi for fixed applications. Finally, the tune-up procedure for the WMOI3-G900/1900 ensures that the maximum RF output power of the devices does not exceed 30.0dBm within the variations that can be expected due to quantity production and testing on a statistical basis.

Instructions to OEM

WMOI3 user's guide includes specific warnings and cautions in order to ensure that OEM are aware of their responsibilities, with regard to RF exposure compliance, for products into which the modem is integrated. With this guidance, the OEM will be able to incorporate into their documentation the necessary operating conditions and warnings.

OEM need to provide a manual with the "final" product that clearly states the operating requirements and conditions and that these must be



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observed to ensure compliance with current FCC RF exposure requirements / MPE limits (*refer to chapter 7. RF exposure instructions*). This will enable the OEM to generate (and provide the end-user with) the appropriate operating instructions, warnings and cautions, and/or markings for their product.