

# EWP2000 AND EWP3000 SERIES BUSINESS SMARTPHONE REGULATORY GUIDE



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## Warranty

For the complete Motorola hardware product warranty statement, go to: <http://www.motorola.com/enterprisemobility/warranty>.



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BEFORE USING THIS ENTERPRISE WiFi PHONE (EWP), READ THIS BOOKLET WHICH CONTAINS IMPORTANT OPERATING INSTRUCTIONS FOR SAFE USAGE AND RF ENERGY AWARENESS AND CONTROL INFORMATION AND OPERATIONAL INSTRUCTIONS FOR COMPLIANCE WITH RF ENERGY EXPOSURE LIMITS IN APPLICABLE NATIONAL AND INTERNATIONAL STANDARDS. ALSO READ THE OPERATIONAL INSTRUCTIONS FOR SAFE USAGE.

## Regulatory Information

This device is approved under Motorola Solutions, Inc. This guide applies to the following Model Numbers: EWP2200 and EWP3200.

All Motorola devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required. Local language translations are available at the following website: [supportcentral.motorola.com](http://supportcentral.motorola.com)

Any changes or modifications to Motorola equipment, not expressly approved by Motorola, could void the user's authority to operate the equipment. Declared maximum operating temperature: 50°C (122°F).

 **CAUTION** Use only Motorola approved and UL Listed accessories, battery packs and battery chargers.

Do NOT attempt to charge damp/wet devices or batteries. All components must be dry before connecting to an external power source.

RISK OF EXPLOSION IF BATTERY IS REPLACED WITH INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE BATTERY MANUFACTURER'S INSTRUCTIONS.


## Bluetooth® Wireless Technology

This is an approved Bluetooth product. For more information or to view the End Product Listing, please visit: <http://www.bluetooth.org/tsg/listings.cfm>.

## Wireless Devices Country Approvals

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) are approved for use in the following countries: United States, Canada, S. Korea, Australia, and Europe<sup>1</sup>. Please refer to the Motorola Declaration of Conformity (DoC) for details of other country markings. This is available at: [www.motorola.com/enterprisemobility/doc](http://www.motorola.com/enterprisemobility/doc).

**Note 1:** For 2.4GHz or 5GHz Products: Europe includes Austria, Belgium, Bulgaria, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

 **CAUTION** Operation of the device without regulatory approval is illegal.

## Country Roaming


This device incorporates the International Roaming feature (IEEE802.11d) which will ensure the product operates on the correct channels for the particular country of use.


## Frequency of Operation - FCC and IC

### 5 GHz Only

The use in the UNII (Unlicensed National Information Infrastructure) band 1 5150-5250 MHz band is restricted to Indoor Use Only; any other use will make the operation of this device illegal.

### Industry Canada Statement:

 **CAUTION** The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-Channel mobile satellite systems. High power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.


 **AVERTISSEMENT** Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux. Les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

### 2.4 GHz Only

The available channels for 802.11 b/g operation in the US are Channels 1 to 11. The range of channels is limited by firmware.

## Health and Safety Recommendations

### Ergonomic Recommendations

 **CAUTION** In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion
- Maintain a neutral postures
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures

### RF Energy Exposure

This Enterprise WiFi Phone is intended for use in general population/uncontrolled environment.

This Enterprise WiFi Phone uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. It uses radio frequency (RF) energy or radio waves to send and receive calls. RF energy is one form of electromagnetic energy. Other forms include, but are not limited to, sunlight and x-rays. RF energy, however, should not be confused with these other forms of electromagnetic energy, which when used improperly, can cause biological damage. Very high levels of x-rays, for example, can damage tissues and genetic material. Experts in science, engineering, medicine, health, and industry work with organizations to develop standards for safe exposure to RF energy. These standards provide recommended levels of RF exposure for both workers and the general public. These recommended RF exposure levels include substantial margins of protection. All Motorola radio products are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of products with radios.

These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it. Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits:

<http://www.fcc.gov/oet/rfsafety/rf-faqs.html>  
<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>

### Compliance with RF Exposure Standards

Your Motorola Enterprise WiFi Phone is designed and tested to comply with a number of national and International standards and guidelines (listed below) for human exposure to radio frequency electromagnetic energy. This Enterprise WiFi Phone complies with the IEEE (FCC) and ICNIRP exposure limits for general population/uncontrolled environments.

- Your Motorola Enterprise WiFi Phone complies with the following RF energy exposure standards and guidelines:
- United States Federal Communications Commission,
  - Code of Federal Regulations; 47 CFR part 2 sub-part J
  - American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992
  - Institute of Electrical and Electronic Engineers (IEEE)
  - C95.1-1999 Edition
  - Institute of Electrical and Electronic Engineers (IEEE)
  - C95.1-2005 Edition
  - International Commission on Non- Ionizing Radiation Protection (ICNIRP) 1998
  - Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radio frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999
  - Australian Communications Authority Radio communications (Electromagnetic Radiation – Human Exposure) Standard, 2003
  - ANATEL ANNEX to Resolution No. 303 of July 2, 2002
- "Regulation of limitation of exposure to electrical, magnetic and electromagnetic fields in the radio frequency range between 9 KHz and 300 GHz" and "Attachment to resolution # 303 from July 2, 2002".

The device complies with Internationally recognized standards covering human exposure to electromagnetic fields from radio devices. For information on "International" human exposure to electromagnetic fields refer to the Motorola Declaration of Conformity (DoC) at: [www.motorola.com/enterprisemobility/doc](http://www.motorola.com/enterprisemobility/doc).

### Reducing RF Exposure - Use Properly

Only operate the device in accordance with the instructions supplied.

### RF Exposure Operating Instructions

To control your exposure and ensure compliance with the general population/uncontrolled environment exposure limits, always adhere to the following procedures:

- When worn on the body, always place the Enterprise WiFi Phone in a Motorola-approved clip, holder, holster, case, or body harness for this product. Using approved body-worn accessories is important because the use of non-Motorola-approved accessories may result in exposure levels, which exceed the IEEE/ICNIRP general population/uncontrolled environment RF exposure limits.

## Phone Mode - Operating Instructions

When placing or receiving a phone call, hold the product as you would a wireless telephone, and talk directly into the microphone.

### EU

#### Handheld Devices

This device was tested for typical body-worn operation. Use only Motorola tested and approved belt-clips, holsters, and similar accessories to ensure EU Compliance.

#### US and Canada

##### Phones (placed to ear or used with headset)

Use only Motorola tested and approved belt-clips, holsters, and similar accessories to ensure FCC Compliance. The use of third-party belt-clips, holsters, and similar accessories may not comply with FCC RF exposure compliance requirements, and should be avoided. The FCC has granted an Equipment Authorization for these model phones with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on these model phones is on file with the FCC and can be found under the Display Grant section of: <http://www.fcc.gov/oet/fccid>.

#### Co-located statement

To comply with FCC RF exposure compliance requirement, the antenna used for this transmitter must not be co-located or operating in conjunction with any other transmitter/ antenna except those already approved in this filing.

#### Handheld Devices

This device was tested for typical body-worn operation. Use only Motorola tested and approved belt-clips, holsters, and similar accessories to ensure FCC Compliance. The use of third-party belt-clips, holsters, and similar accessories may not comply with FCC RF exposure compliance requirements, and should be avoided.

## Approved Accessories

Use only Motorola-approved supplied or replacement, batteries, and accessories. Use of non-Motorola batteries and accessories may exceed IEEE/ICNIRP RF exposure guidelines.

For a list of Motorola-approved batteries and other accessories please see your dealer or local Motorola contact. Your nearest dealer can be found at the following web site: <http://www.motorola.com/cgiss/emea/dealerlocator.html>

## Additional Information

For additional information on exposure requirements or other training information, visit: <http://www.motorola.com/rfhealth>.



Please observe all warning notices with regard to the usage of wireless devices.

## Electromagnetic Interference/Compatibility

**NOTE** Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

To avoid electromagnetic interference and/or compatibility conflicts, turn off your Enterprise WiFi Phone in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

When instructed to do so, turn off your Enterprise WiFi Phone when on board an aircraft. Any use of an Enterprise WiFi Phone must be in accordance with applicable regulations per airline crew instructions. If your device offers a 'flight mode' or similar feature, consult airline staff as to its use in flight.

### Safety in Hospitals

Wireless devices transmit radio frequency energy and may affect medical electrical equipment.

Wireless devices should be switched off wherever you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

## Pacemakers

The Advanced Medical Technology Association (AdvaMed) recommends that a minimum separation of 15 cms (6 inches) be maintained between an Enterprise WiFi Phone with wireless radios and a pacemaker. These recommendations are consistent with those of the U.S. Food and Drug Administration.

Persons with pacemakers should:

- ALWAYS keep the Enterprise WiFi Phone more than 15 cms from their pacemaker when the Enterprise WiFi Phone is turned ON.
- Not carry the Enterprise WiFi Phone in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn the Enterprise WiFi Phone OFF immediately if you have any reason to suspect that interference is taking place.





