

# Safety Information

## IMPORTANT!

*To ensure safe and efficient operation, please read the following information and observe these guidelines whenever using your Phonecell FWT.*



Your **Phonecell SX4e** FWT (*Fixed Wireless Terminal*) functions as both a radio transmitter and receiver. When it is ON, the FWT receives and sends out radio frequency (RF) energy. The **SX4e GSM 1900** operates between 1850 MHz and 1900 MHz. It employs the commonly used phase/frequency modulation techniques. When you use your **Phonecell SX4e**, the cellular system handling your call controls the power level at which your unit transmits. Nominal power for the GSM 1900 unit is **1 watt**.

### Exposure to RF (Radio Frequency) Energy

In 1991, the Institute of Electrical and Electronics Engineers (*IEEE*), and in 1992, the American National Standards Institute (*ANSI*), updated the 1982 ANSI Standard for safety levels with respect to human exposure to RF energy. After reviewing the available body of research, more than 120 scientists, engineers and physicians from universities, government health agencies and industry developed this updated Standard. In March, 1993, the U.S. Federal Communications Commission (*FCC*) proposed the adoption of this updated Standard.

The design of your Telular **Phonecell SX4e** FWT (*Fixed Wireless Terminal*) complies with the requirements of EN 55022, 47 CFR Part 15, Class B, and ICES-003 for conducted and radiated emissions. Of course, if you want to limit RF exposure even further than the updated ANSI Standard, you may choose to control the duration of your calls and operate your phone in the most power-efficient manner.

### Safe Operation Requirement

Do not operate your Phonecell when any person is within 8 inches (20 cm) of the antenna.

### Protective Earth (Safety Ground) Terminal



A protective earth (safety ground) terminal (screw) marked with the protective earth symbol is provided on the back of the SX4 Phonecell unit. This terminal must have a permanent connection to a good earth ground (i.e. a cold water pipe) by means of an 18 gauge or heavier insulated wire.

The wire insulation should be green with a yellow stripe to indicate that this is a protective earth (safety ground) connection.

**WARNING:** The protective earth is to be installed by a qualified electrician.

### Temperature Environment

**Operating Temperature:** From -10°C (14°F) to +50°C (122°F);  
Up to 95% relative humidity (non-condensing)

**Storage Temperature:** From -20°C (-4°F) to +60°C (140°F);  
Up to 95% relative humidity (non-condensing)



## WARNING!

*Your Phonecell must be placed or mounted on a flat surface to allow proper ventilation. Do not block the air vents or the space beneath your Phonecell as this could cause the unit to overheat and fail.*