



## IMPORTANT ELECTRICAL CONSIDERATIONS

Unplug all electrical appliances when you know an electrical storm is approaching. Lightning can pass through your household wiring and damage any device connected to it. This telephone is no exception.

**Warning :** Please do not attempt to unplug any appliance during an electrical storm.

**Caution :** Changes or modifications to this product not expressly approved, or operation of this product in any way other than as detailed by this Operating Guide, could void your authority to operate this product as well as void the product's warranty.

### Telephone Line Problems

The FCC has granted the telephone company the right to disconnect service in the event that your phone causes problems on the telephone line. Also, the telephone may make changes in facilities and services which may affect the operation of your unit. However, your telephone company must give adequate notice in writing prior to such actions to allow you time for making necessary arrangements to continue uninterrupted service. If you are having trouble with your telephone service, you must first disconnect your phone to determine if it is the cause of your problem. If your trouble has been corrected,

### FCC Part 15

**Warning :** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Caution :** To maintain compliance with the FCC's RF exposure guidelines, place the base unit at least 20 cm from nearby persons.

**Note :** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- ☐ Increase the separation between the equipment and receiver.
- ☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ☐ Consult the dealer or an experienced radio/TV technician for help.

### Customer information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:XXXXXXXX, if requested, this number must be provided to the telephone company.

## Intertek Testing Services

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For SAR evaluation of the handset, refer to TCB Exclusions List Revised on 17 July 2002. Potable transmitter with output power less than 60/fGHz ( $d < 2.5\text{cm}$ ) can be certified by TCB without the SAR evaluation.

In fact, the Output power for portable transmitters is the higher of the conducted or radiated (EIRP) source-based time-averaged output. And the  $f\text{GHz}$  is mid-band frequency in GHz, and  $d$  is the distance to a person's body, excluding hands, wrists, feet, and ankles.

For the tested model of TL9038, the measured peak conducted power was 55.85mW and the source-based time averaged output power was 4.63mW as TX duty cycle of the handset is 8.29%.

The maximum field strength (FS) was 112.8dB $\mu\text{V}/\text{m}$  at 2403.648MHz. The distance (D) between the antenna and the equipment under test (EUT) was 3 meters.

From these data, the EIRP can be calculated by:

$$\text{EIRP} = (\text{FS} * \text{D})^2 / 30$$

$$= 57.16\text{mW}$$

$$\text{Source-based time averaged output power} = (57.16 \times 0.0829)\text{mW}$$

$$= 4.74\text{mW}$$

Based on the above calculation, it is concluded that the handset can be certified by TCB without the SAR evaluation.