

Battery Safety Instructions

- Do not burn, disassemble, mutilate, or puncture the battery. The battery contains toxic materials that could be released, resulting in injury.
- **Caution:** There is a risk of explosion if you replace the battery with an incorrect battery type. Use only the battery that came with your phone or an authorized replacement recommended by the manufacturer.
- Keep batteries out of the reach of children.
- Remove batteries if storing over 30 days.
- Do not dispose of batteries in fire, which could result in explosion.



- The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods.

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

Intertek Testing Services

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 MD450, the measured peak conducted power was 179.06mW and the source-based time averaged output power was 17.9mW as TX duty cycle of the handset is $\leq 10\%$.

The maximum field strength (FS) was 117.6dB $\mu\text{V}/\text{m}$ at 2440.159MHz. The distance (D) between the antenna and the equipment under test (EUT) was 3 meters.

From these data, the EIRP can be calculated by:

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

$$= 172.6\text{mW}$$

$$\text{Source-based time averaged output power} = (172.6 * 0.1)\text{mW}$$

$$= 17.3\text{mW}$$

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