

This equipment uses the following USOC jack: RJ11C. A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

Connection to Party Line Service is subject to state tariffs. Contact the state public utility commission, public service commission, or corporation commission for information. If this equipment causes harm to the telephone network, the telephone company will notify you in advance that the temporary discontinuance of services may be required. If advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service. If trouble is experienced with this equipment, for repair or warranty information, please contact Motorola, Inc. at 1-800-353-2729. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment from the network until the problem is solved.

This equipment is hearing aid compatible.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of the cordless phone does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

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 Specific Absorption Rate (SAR) evaluation of the handset, with reference to TCB Exclusions List revised on July 17, 2002, portable transmitters with output power less than low threshold and operating within 2.5cm from person's body can be certified by TCB without the SAR evaluation. The output power for portable transmitters is defined as the higher of the conducted or radiated (EIRP) source-based time averaging output power. And the low threshold is equal to $(60/f_{\text{GHz}})$ mW for $d < 2.5\text{cm}$, where f_{GHz} is mid-band frequency in GHz, and d is the distance from the portable transmitter to a person's body, excluding hands, wrists, feet, and ankles.

For the handset of the tested model of MD4250, the measured peak conducted power was 65.92 mW. The maximum source-based time averaging duty factor in double slot operation is 18.8%.

$$\begin{aligned}\text{The conducted source-based time averaging output power} \\ &= (65.92 * 0.188) \text{ mW} \\ &= 12.39 \text{ mW}\end{aligned}$$

The measured maximum field strength (FS) was 115.3 dB μ V/m. The distance (D) between the antenna and the equipment under test (EUT) was 3 meters. From these data, the radiated (EIRP) source-based time-averaging output power can be calculated by:

$$\begin{aligned}\text{The radiated power} &= (FS * D)^2 / 30 \text{ mW} \\ &= 101.65 \text{ mW}\end{aligned}$$

$$\begin{aligned}\text{The radiated (EIRP) source-based time-averaging output power} \\ &= (101.65 * 0.188) \text{ mW} \\ &= 19.11 \text{ mW}\end{aligned}$$

The low threshold in the 2400 – 2483.5MHz band is 24.57 mW.

From the above calculation, output power obtained in both method is less than low threshold, it is concluded that the handset can be certified by TCB without the SAR evaluation.