

Intertek Testing Services

For SAR evaluation of the handset, refer to TCB Exclusions List Revised on 17 July 2002. Portable 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 VP1000, the measured peak conducted power was 152.76mW.

$$\begin{aligned}\text{The conducted source-based time averaged output power} \\ &= (152.76 * 0.08) \text{ mW} \\ &= 12.22\text{mW}\end{aligned}$$

The maximum field strength (FS) was $110.5\text{B}\mu\text{V/m}$ at 2401.056MHz. The distance (D) between the antenna and the equipment under test (EUT) was 3 meters.

From these data, the EIRP can be calculated by:

$$\begin{aligned}\text{EIRP} &= (\text{FS} * \text{D})^2 / 30 \\ &= 33.66\text{mW}\end{aligned}$$

$$\begin{aligned}\text{The radiated source-based time averaged output power} \\ &= (33.66 * 0.08) \text{ mW} \\ &= 2.7\text{mW}\end{aligned}$$

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

In case of heavy air interference, e.g. when many 2.4GHz products are active in the same area, the registration duration may be longer, since registration consists of data transfer, which, in contrast to audio, has to be error free.

The way to de-register a Handset and register it to another Base Unit is to power down the Base Unit, and place the Handset into a different Base cradle. After powering down the first Base Unit, the Handset is no longer linked to it, and can be registered to another base. When the Handset is placed in the other Base cradle, a new registration will take place, and the old registration doesn't exist any more.

Troubleshooting

The VP1000 uses your existing broadband internet connection for placing and receiving calls. For successful operation it must be able to communicate with your home Router without error. The most common indication of trouble is that you do not hear dialtone after you push the Talk button on the handset. Please check the following before contacting your Service Provider for additional help:

1. Check that the provided Ethernet cable is connected between the RJ-45 jack on the rear of the VP1000 to your home Router.
2. Verify that your home Router is configured to use DHCP to provide IP addresses to attached devices. If not, enable DHCP on your home Router, or contact your Service Provider for help on manually setting an IP address in the VP1000.
3. Your home Router may have a firewall that is blocking access to your Service Provider. Contact your Service Provider for help on programming your firewall to eliminate this block.

Consumer Information

1. Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alternate or repair any parts of device except specified.
2. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.
3. This equipment is hearing aid compatible.

NOTICE:

According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrestor is recommended.

Should you experience trouble with this equipment, please contact your Service Provider for service information.

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