

SAR values – Alcatel OT E221

Proof of compliance with international standards (ICNIRP) or with European Directive 1999/5/EC (R&TTE) is required for all mobile phone models before they can be put on the market. The protection of the health and safety for the user and any other person is an essential requirement of these standards or this directive.

THIS MOBILE PHONE COMPLIES WITH INTERNATIONAL AND EUROPEAN REQUIREMENTS REGARDING EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter/receiver. It was designed and manufactured to comply with the radiofrequency (RF) exposure thresholds recommended by international requirements (ICNIRP)¹ and by the Council of the European Union (Recommendation 1999/519/EC)².

These limits are part of a set of requirements and establish authorised radiofrequency levels for the public. These limits were established by independent groups of experts on the basis of regular and detailed scientific assessments. They include a significant safety margin intended to ensure the safety of all, regardless of age or state of health.

The exposure standard for mobile phones is determined by a measurement unit known as the Specific Absorption Rate or “SAR”. The SAR limit is set by international requirements or by the Council of the European Union at 2 watts/kilogram (W/kg) averaged over 10 grams of body tissue. The tests used to determine SAR levels were carried out on the basis of standard usage modes with the phones transmitting at their maximum power level over the entire range of frequency bands.

Although the SAR was established at the highest certified level, the actual SAR level for the mobile phone during use is generally much lower than the maximum values. In fact, since mobile phones are designed to operate at many different power levels, they only use the minimum level of power required to provide a connection to the network. In theory, the closer you are to a base station antenna, the lower the power level required by the mobile phone.

The highest tested SAR value for this mobile phone for use at the ear and compliance against the standard is 1,4W/kg.

While there may be differences between the SAR levels on various phones and at various positions, they all meet the relevant International guidelines and EU requirements for RF (radio-waves) exposure.

¹ The ICNIRP requirements are applicable in the following regions: Central America (except Mexico), South America, North and South Africa, Pacific Asia (except Taiwan and Korea), Australia.

² The European recommendation (1999/519/EC) is applicable in the following regions: Europe, Israel.

30/01/2009