

5 RF EXPOSURE

Clause: 15.319 (i) / 12.0

Requirement: 1.1307(b), 2.1091 and 2.1093 / RSS-102 as appropriate

MPE \leq 1 mW/cm² at 20 cm

SAR \leq 1.6 W/kg over any 1 g of tissue

Reference: OET Bulletin 65 for General Population / Uncontrolled Exposure

Test Result: Base: Compliant
Handset: Compliant

6.1 Base MPE

$$\text{Power density } S = \text{EIRP} / 4\pi R^2, \text{ where } R \text{ is distance } 20 \text{ cm}$$
$$= 79.5 / 4\pi(20)^2 = 0.016 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2 \text{ limit}$$

6.2 Handset SAR

Refer to separate SAR testing report by Celltech