

4. Test Results

Procedures Used To Establish Test Signal

The EUT was placed into simulated call mode (e.g. AMPS, Cellular CDMA & PCS CDMA modes) using manufacturers test codes. Such test signals offer a consistent means for testing SAR and are recommended for evaluating SAR [2]. The actual transmission is activated through a base station simulator or similar when test modes are not available or inappropriate for testing the EUT.

The EUT is rechargeable battery operated. The battery used for the SAR measurements was completely charged. The device was tested at full power verified by implementing conducted output power measurements. For confirming of the output power it was tested before and after each SAR measurement. The test was repeated if a conducted power deviation of more than 5 % occurred.

Mixture Type: 450 MHz Head

Date: 26.09.2003

Liquid Temperature: 22,0 - 22,2 °C

Room Temperature: 22,0 - 22,4 °C

Frequency			Power Drift dBm	Antenna Pos.	Phantom Section	Test Position -25 mm	SAR (W/kg)	
MHz	Channel	Modulation					1g	
							Measured SAR values with 2 mm phantom	
						100% Duty Cycle	50 % Duty Cycle	
440,025	Low	CW	-0,15	Fixed	Flat	Front	7,24	3,62
455,025	Middle	CW	0,11	Fixed	Flat	Front	7,66	3,83
469,975	High	CW	-0,13	Fixed	Flat	Front	7,73	3,86

1. The SAR values found were below the maximum limit of 8.0 w/kg (controlled exposure):
2. The highest face-held SAR value found was 3.86 w/kg (50 % duty cycle)
3. The EUT was tested for face-held SAR with a 2.5 cm separation distance between the front of the EUT and the outer surface of the planar phantom.