

SAMSUNG FCC ID : A3LSPHW2500 GSM1900 Head SAR

DUT: Dipole 1900 MHz; Serial: 5d023

Program Name: 1900MHz Dipole Validation 2007.01.06

Procedure Name: 1900MHz

Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.1;Test Date-06/Jan/2007

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.1 V/m; Power Drift = -0.055 dB

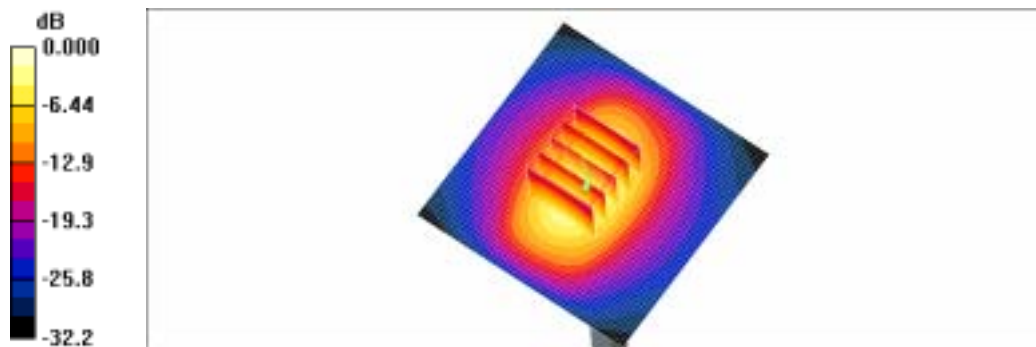
Peak SAR (extrapolated) = 19.5 W/kg

SAR(1 g) = 10.4 mW/g

Maximum value of SAR (measured) = 11.7 mW/g

1900MHz/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 15.2 mW/g



0 dB = 15.2mW/g