

## 15.4 SAR test plots for GSM1900

### GSM1900 GPRS 2slots Main Ant Position2 9mm Full power 1909.8MHz

Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.531$  S/m;  $\epsilon_r = 51.147$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.76, 7.76, 7.76); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.129 W/kg

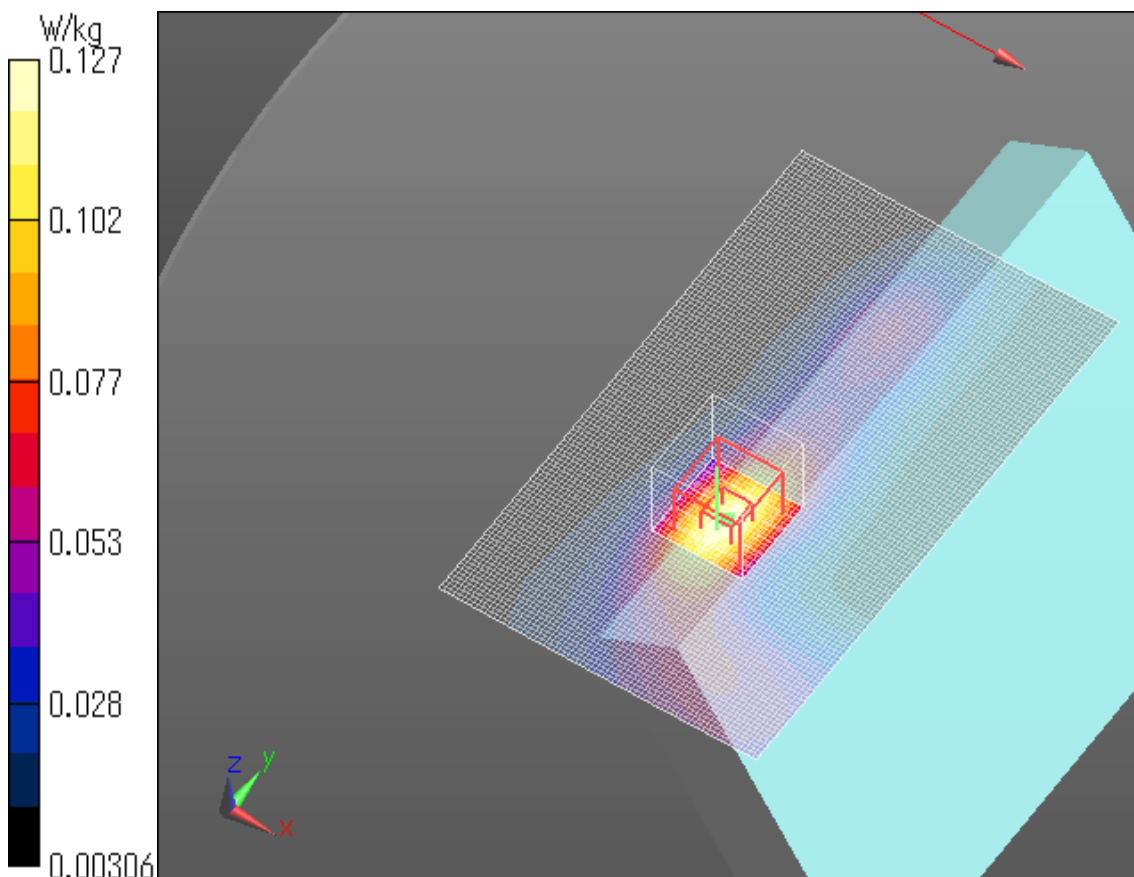
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.303 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.159 W/kg

**SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.055 W/kg**

Maximum value of SAR (measured) = 0.127 W/kg



**GSM1900 GPRS 2slots Main Ant Position4 6mm Full power 1909.8MHz**

Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.553$  S/m;  $\epsilon_r = 52.611$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.66, 7.66, 7.66); Calibrated: 2013/12/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2013/07/16

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (161x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0616 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.994 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0680 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0563 W/kg

