

## 15.5 SAR test plots for WCDMA Band V

### WCDMA Band V Main Ant Position 2 9mm Full power 836.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.97$  S/m;  $\epsilon_r = 57.403$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(10.16, 10.16, 10.16); 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 (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.151 W/kg

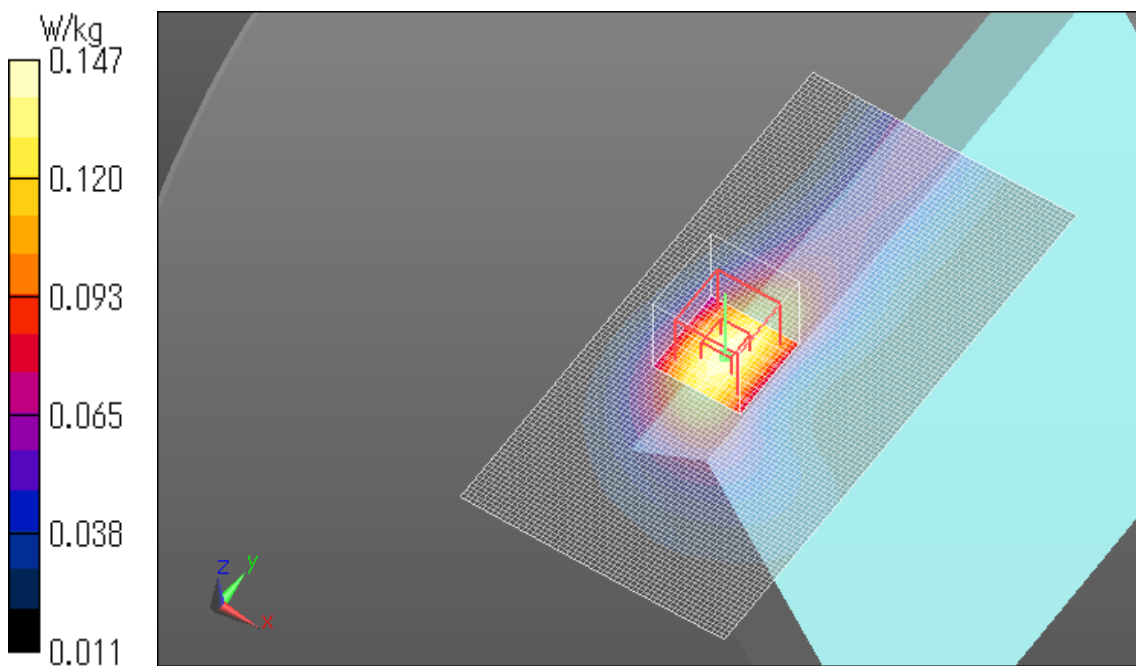
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.581 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.073 W/kg**

Maximum value of SAR (measured) = 0.147 W/kg



**WCDMA Band V Main Ant Position 4 6mm Full power 836.6MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 54.869$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.41, 9.41, 9.41); Calibrated: 2013/12/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1045

Measurement SW: DASY52, 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) = 0.0355 W/kg

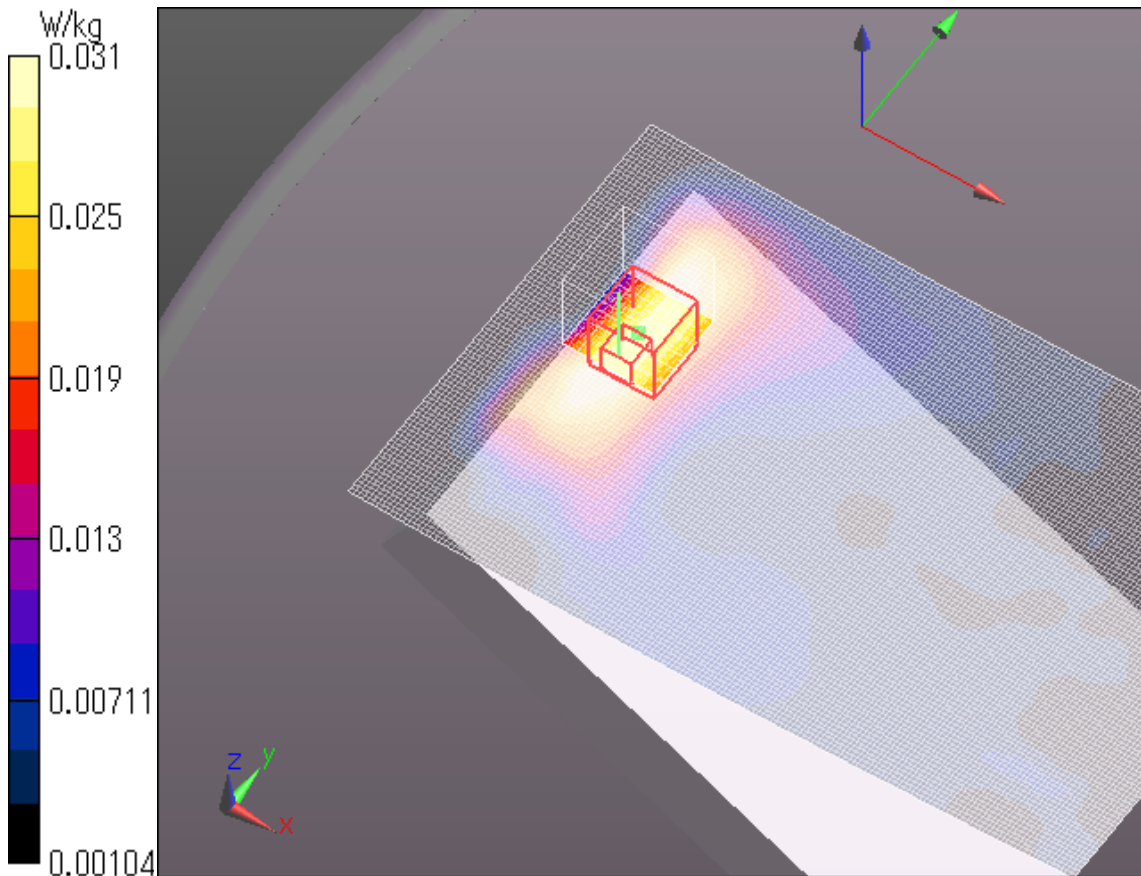
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.801 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.0314 W/kg



**Plot No.2**