



## Appendix B. Plots of SAR Measurement

**P01 WCDMA II\_RMC12.2k\_Rear Face\_0cm\_Ch9262****DUT: 650627**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: B1900\_160603 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.484$  S/m;  $\epsilon_r = 54.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.06, 8.06, 8.06); Calibrated: 2016/2/22;

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9262/Area Scan (101x161x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.220 W/kg

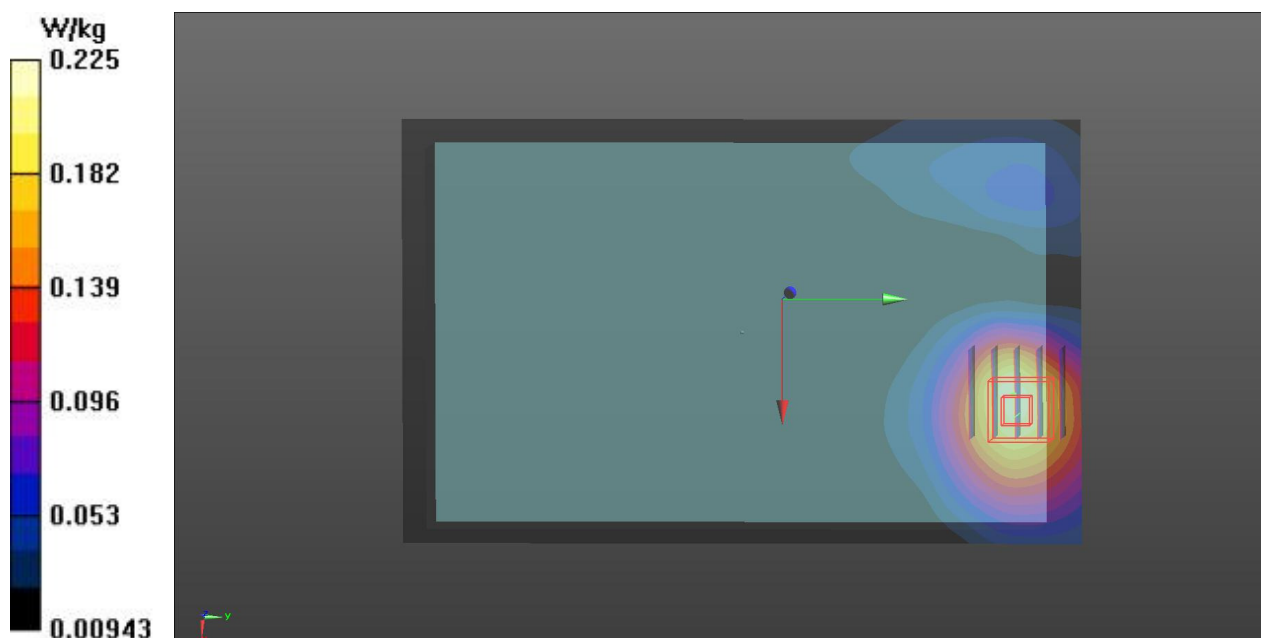
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.12 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.268 W/kg

**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.118 W/kg**

Maximum value of SAR (measured) = 0.225 W/kg



**P02 WCDMA II\_RMC12.2k\_Edge1\_0cm\_Ch9262****DUT: 650627**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: B1900\_160603 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.484$  S/m;  $\epsilon_r = 54.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.06, 8.06, 8.06); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9262/Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.30 W/kg

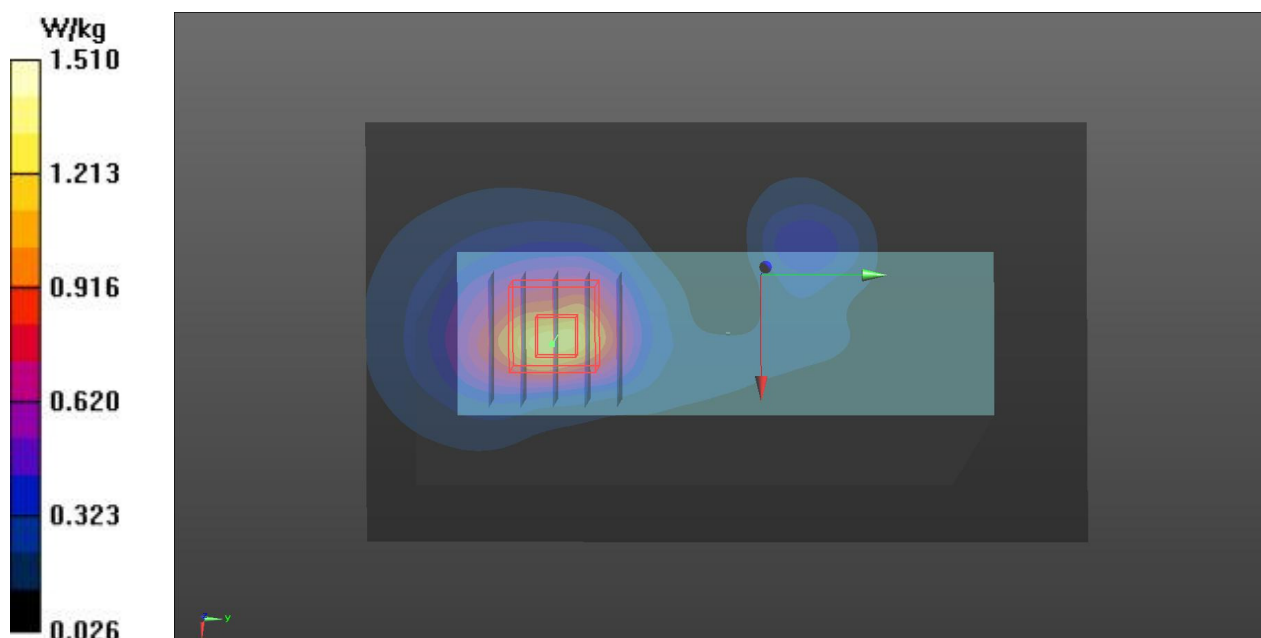
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.77 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.544 W/kg**

Maximum value of SAR (measured) = 1.51 W/kg



**P05 WCDMA II\_RMC12.2k\_Edge4\_0cm\_Ch9262****DUT: 650627**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: B1900\_160603 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.484$  S/m;  $\epsilon_r = 54.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.06, 8.06, 8.06); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9262/Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.47 W/kg

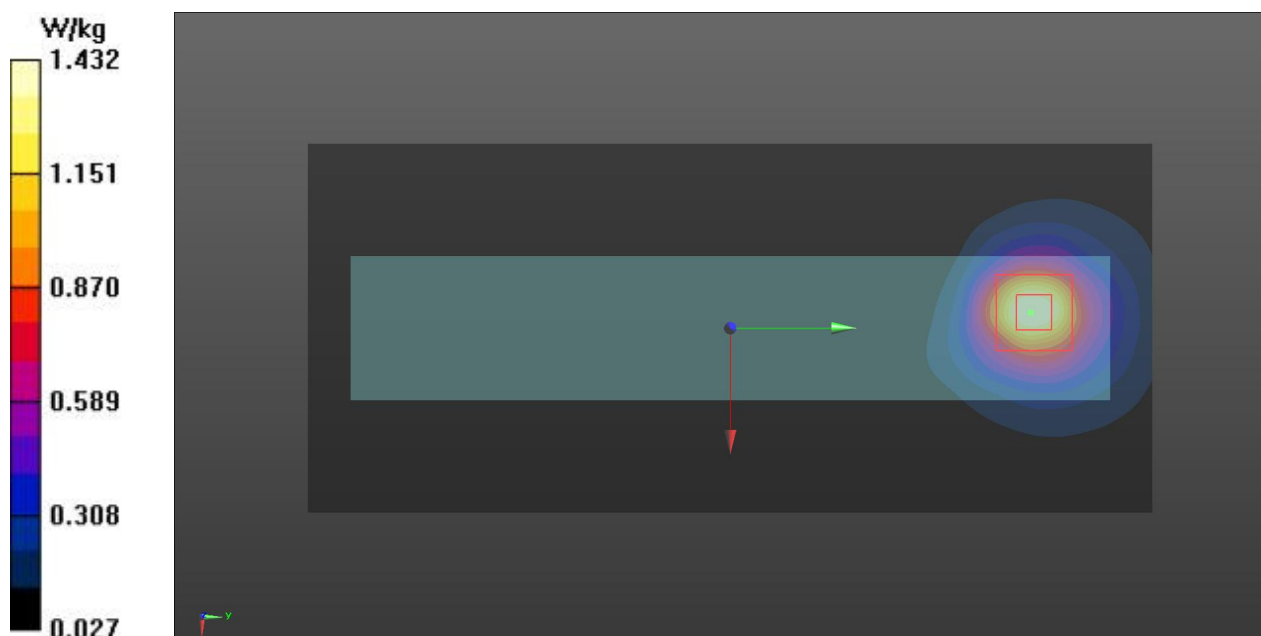
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.84 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.79 W/kg

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.580 W/kg**

Maximum value of SAR (measured) = 1.43 W/kg



## P06 WCDMA II\_RMC12.2k\_Edge4\_0cm\_Ch9400

**DUT: 650627**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: B1900\_160603 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 54.152$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.06, 8.06, 8.06); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9400/Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.41 W/kg

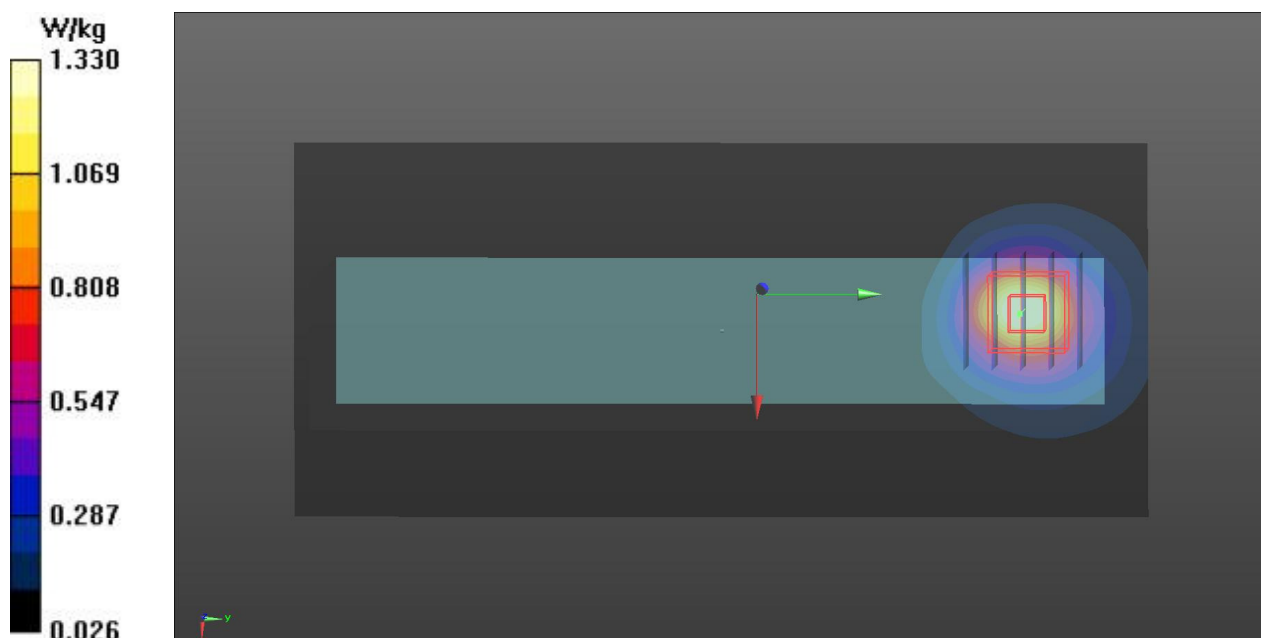
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.47 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.543 W/kg**

Maximum value of SAR (measured) = 1.33 W/kg



## P07 WCDMA II\_RMC12.2k\_Edge4\_0cm\_Ch9538

**DUT: 650627**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: B1900\_160603 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.541$  S/m;  $\epsilon_r = 54.074$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.06, 8.06, 8.06); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9538/Area Scan (71x161x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Maximum value of SAR (interpolated) = 1.47 W/kg

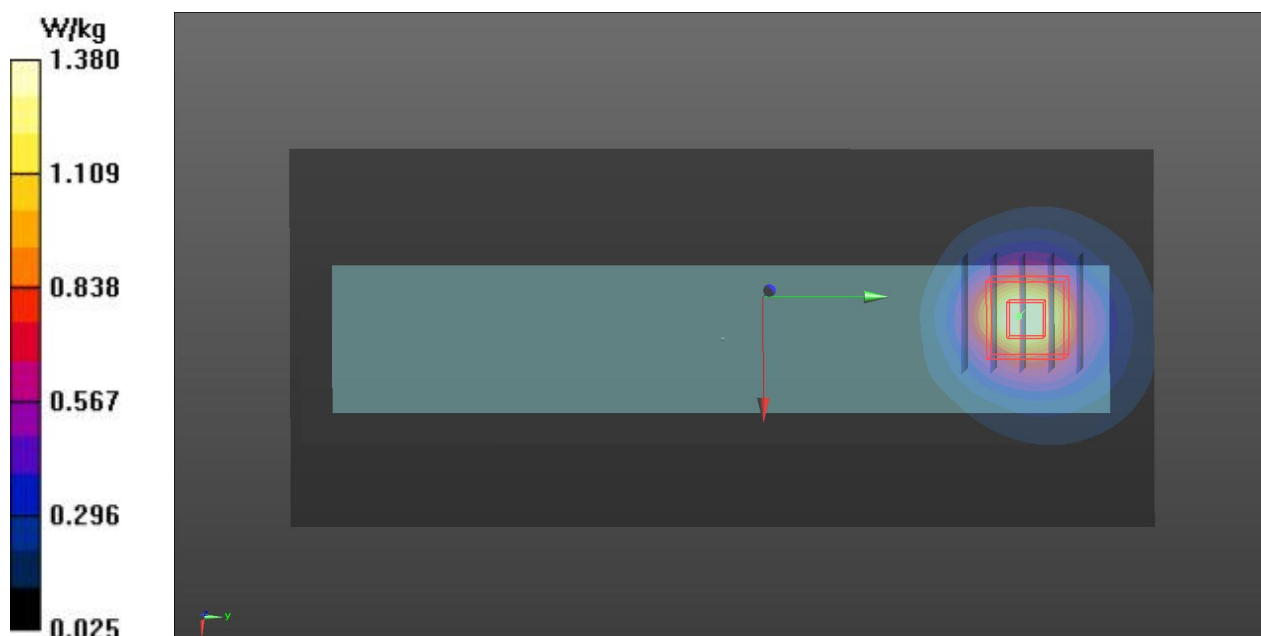
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 29.43 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.562 W/kg**

Maximum value of SAR (measured) = 1.38 W/kg



**P08 WCDMA II\_RMC12.2k\_Edge4\_0cm\_Ch9262\_Repeated****DUT: 650627**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: B1900\_160603 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.484$  S/m;  $\epsilon_r = 54.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.06, 8.06, 8.06); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9262/Area Scan (71x161x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.47 W/kg

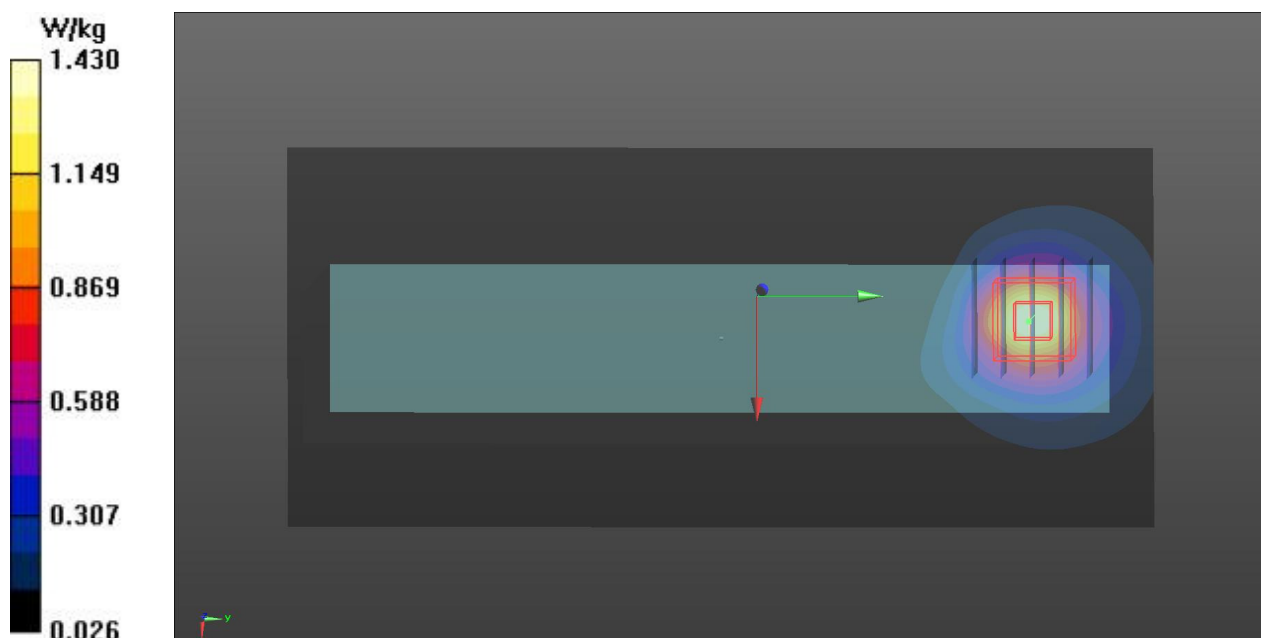
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 30.63 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.79 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.572 W/kg**

Maximum value of SAR (measured) = 1.43 W/kg



**P09 WCDMA V\_RMC12.2k\_Rear Face\_0cm\_Ch4233****DUT: 650627**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: B835\_160607 Medium parameters used:  $f = 847$  MHz;  $\sigma = 1.008$  S/m;  $\epsilon_r = 56.442$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(9.93, 9.93, 9.93); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4233/Area Scan (101x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0661 W/kg

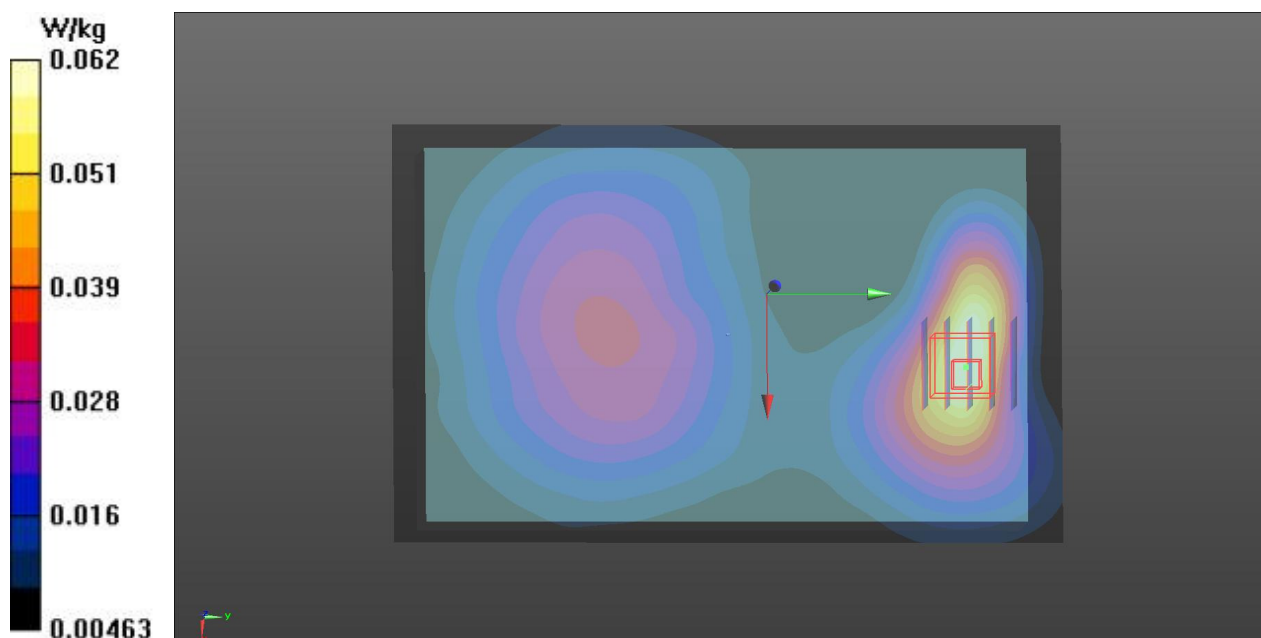
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.967 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0780 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0621 W/kg





## P10 WCDMA V\_RMC12.2k\_Edge1\_0cm\_Ch4233

**DUT: 650627**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1  
 Medium: B835\_160607 Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 1.008 \text{ S/m}$ ;  $\epsilon_r = 56.442$ ;  $\rho = 1000 \text{ kg/m}^3$

**Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(9.93, 9.93, 9.93); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4233/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.458 W/kg

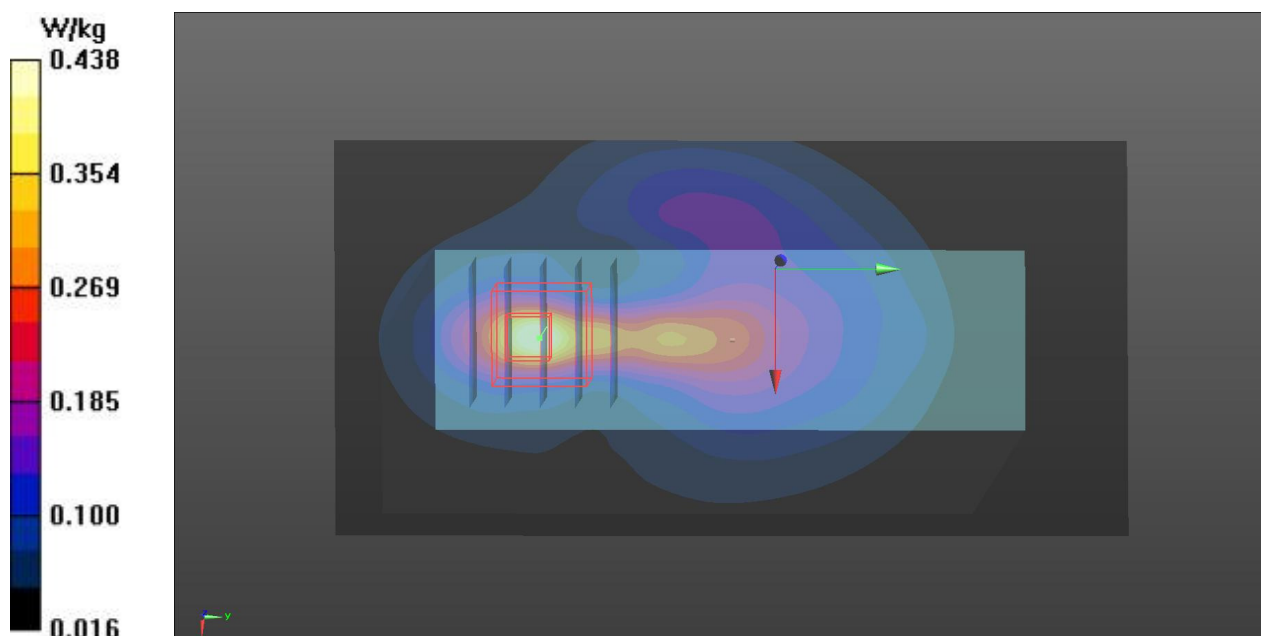
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.57 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.612 W/kg

**SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.137 W/kg**

Maximum value of SAR (measured) = 0.438 W/kg



**P13 WCDMA V\_RMC12.2k\_Edge4\_0cm\_Ch4233****DUT: 650627**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: B835\_160607 Medium parameters used:  $f = 847$  MHz;  $\sigma = 1.008$  S/m;  $\epsilon_r = 56.442$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(9.93, 9.93, 9.93); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4233/Area Scan (61x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.123 W/kg

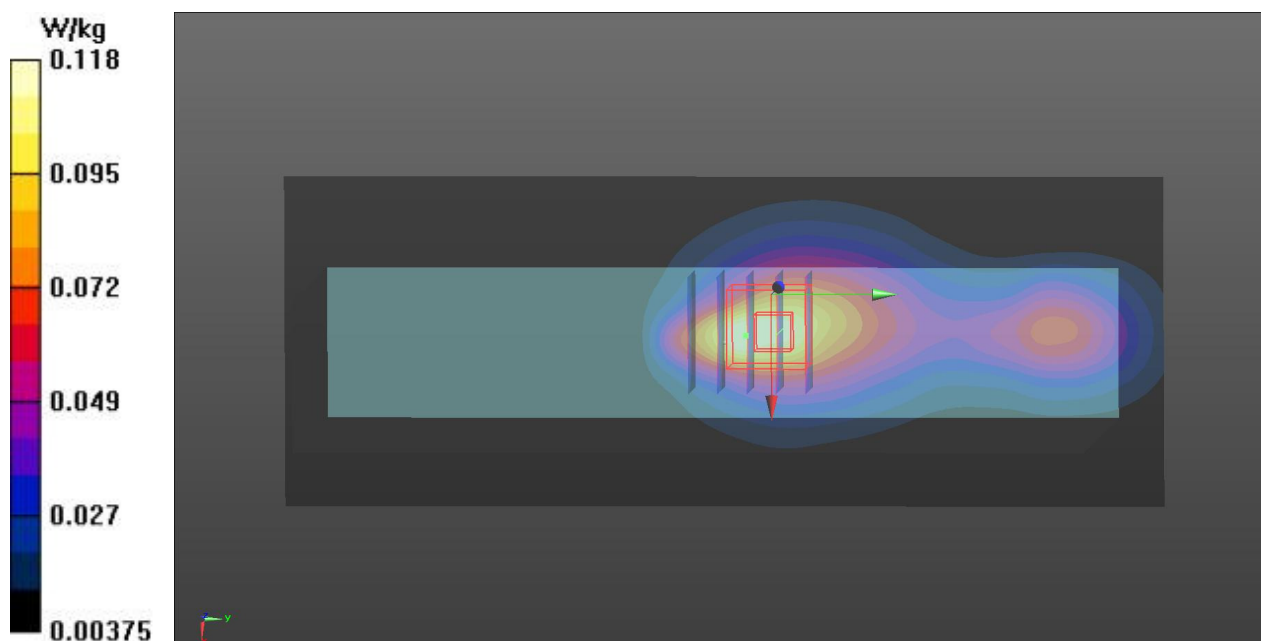
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.82 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.054 W/kg**

Maximum value of SAR (measured) = 0.118 W/kg



### P14 802.11b\_Rear Face\_0cm\_Ch11

**DUT: 650627**

Communication System: WLAN\_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: B2450\_160607 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 52.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch11/Area Scan (131x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.0280 W/kg

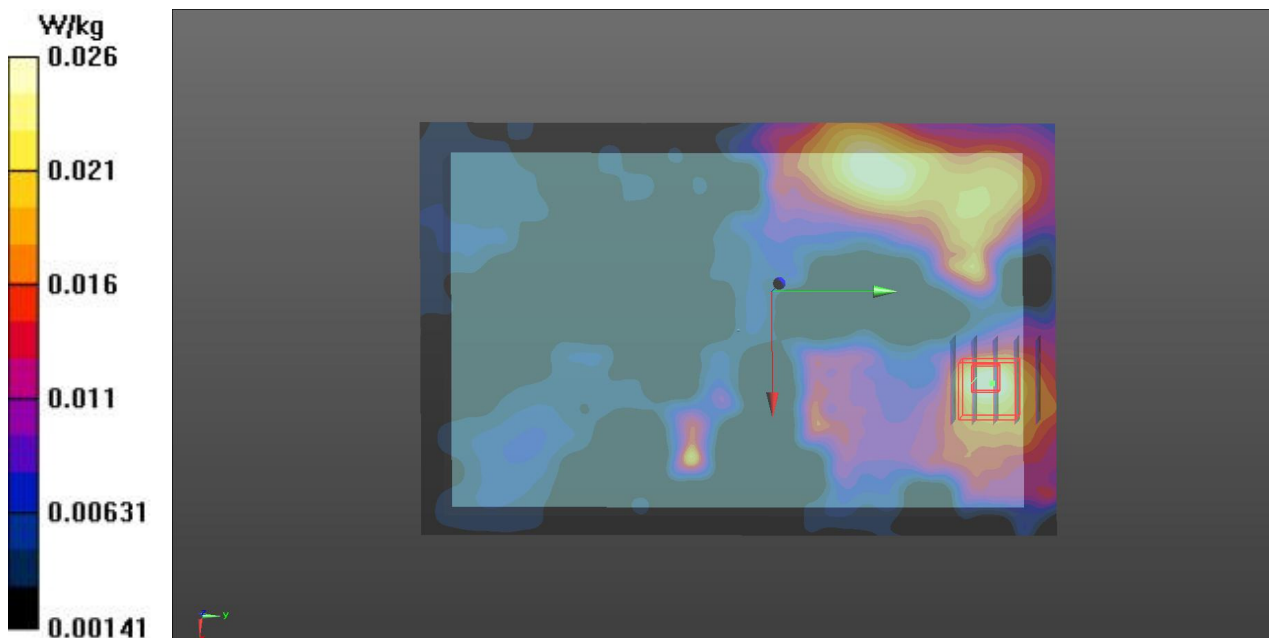
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.845 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.011 W/kg**

Maximum value of SAR (measured) = 0.0259 W/kg



## P15 802.11b\_Edge1\_0cm\_Ch11

**DUT: 650627**

Communication System: WLAN\_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: B2450\_160607 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 52.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch11/Area Scan (71x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 1.01 W/kg

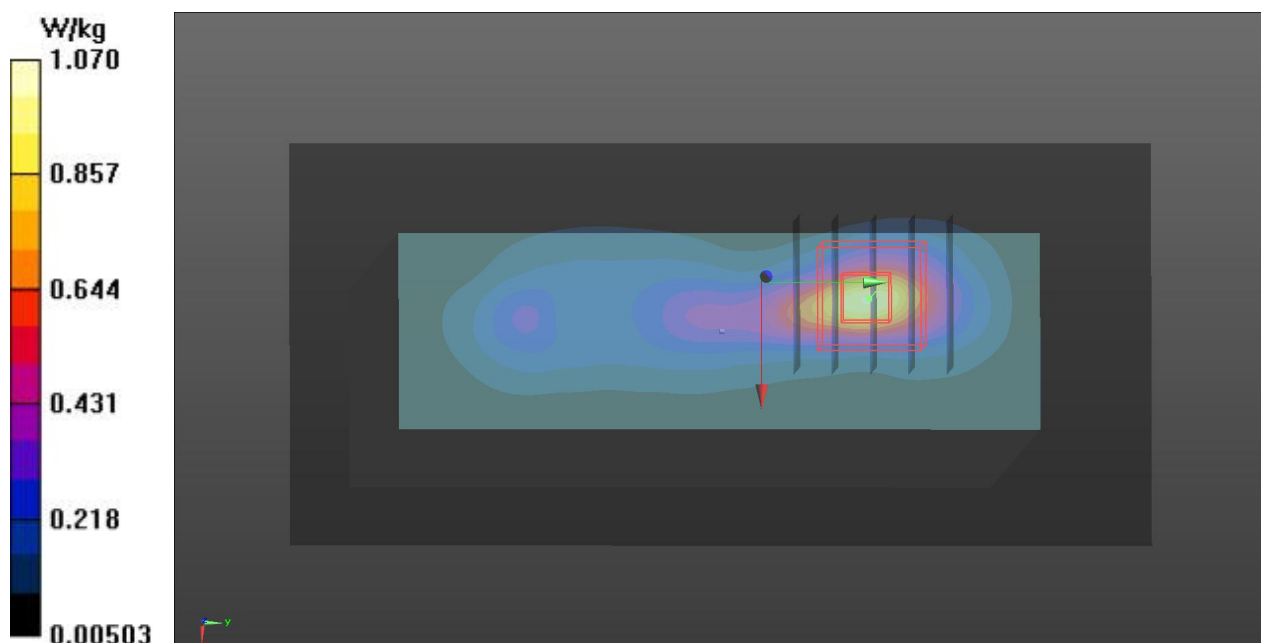
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.67 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 1.07 W/kg



## P18 802.11b\_Edge4\_0cm\_Ch11

**DUT: 650627**

Communication System: WLAN\_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: B2450\_160607 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 52.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C**

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch11/Area Scan (101x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0435 W/kg

**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.669 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0800 W/kg

**SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.022 W/kg**

Maximum value of SAR (measured) = 0.0573 W/kg

