

**#01\_GSM850\_GPRS (2 Tx slots)\_Front\_10mm\_Ch128**

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium: HSL\_850\_160311 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.878$  S/m;  $\epsilon_r = 41.487$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3955; ConvF(9.96, 9.96, 9.96); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch128/Area Scan (41x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.07 W/kg

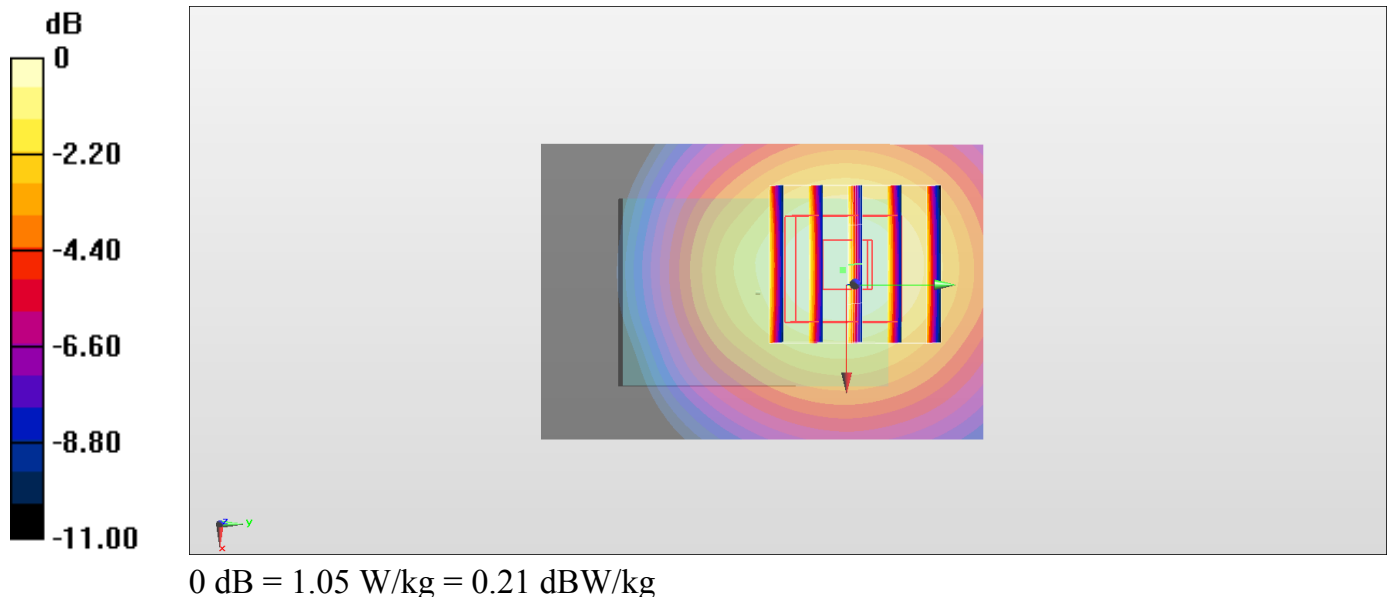
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.297 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.531 W/kg**

Maximum value of SAR (measured) = 1.05 W/kg



**#02\_GSM1900\_GPRS (2 Tx slots)\_Front\_10mm\_Ch810**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: HSL\_1900\_160326 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.469$  S/m;  $\epsilon_r = 38.761$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3955; ConvF(8.32, 8.32, 8.32); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch810/Area Scan (41x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.678 W/kg

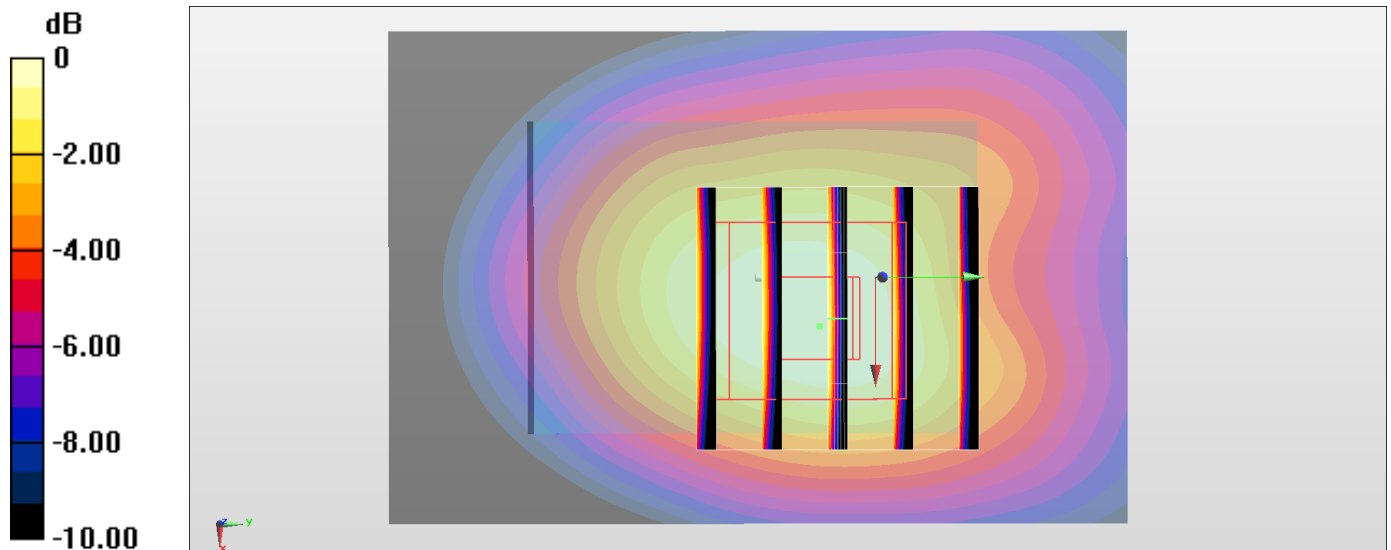
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.262 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.743 W/kg

**SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.284 W/kg**

Maximum value of SAR (measured) = 0.650 W/kg



0 dB = 0.650 W/kg = -1.87 dBW/kg

**#03\_WCDMA II\_RMC 12.2Kbps\_Front\_10mm\_Ch9400**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_160326 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  S/m;  $\epsilon_r = 38.877$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3955; ConvF(8.32, 8.32, 8.32); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch9400/Area Scan (41x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 0.944 W/kg

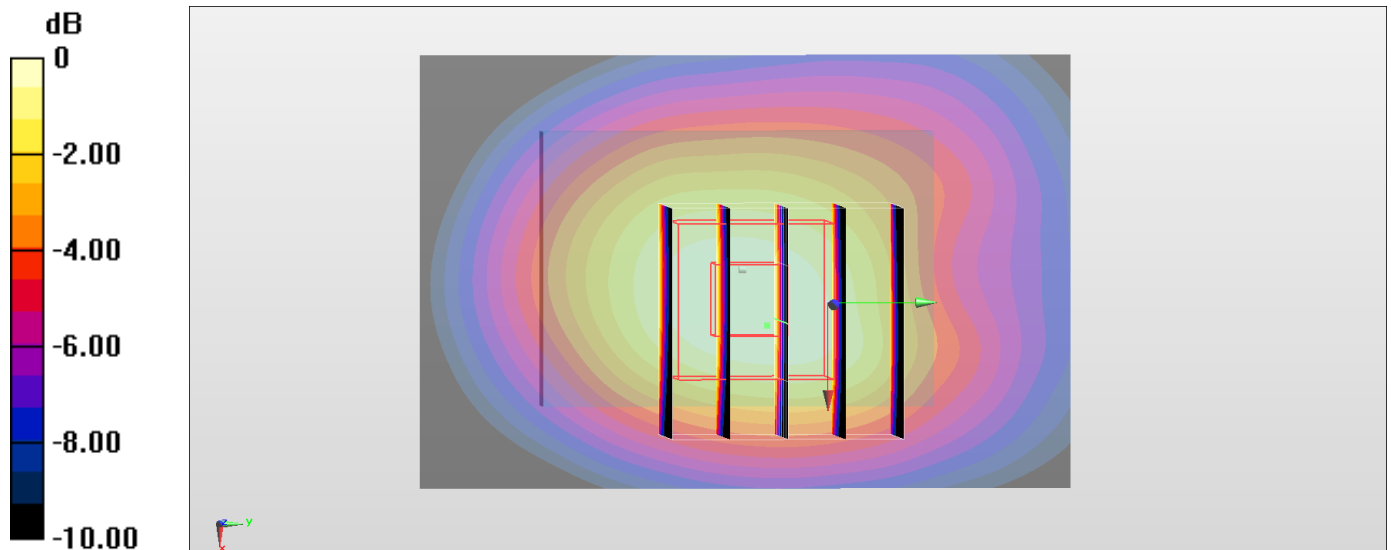
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.291 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.419 W/kg**

Maximum value of SAR (measured) = 0.929 W/kg



0 dB = 0.929 W/kg = -0.32 dBW/kg

**#04\_WCDMA V\_RMC 12.2Kbps\_Front\_10mm\_Ch4233**

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_160311 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.899$  S/m;  $\epsilon_r = 41.208$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3955; ConvF(9.96, 9.96, 9.96); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch4233/Area Scan (41x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 0.898 W/kg

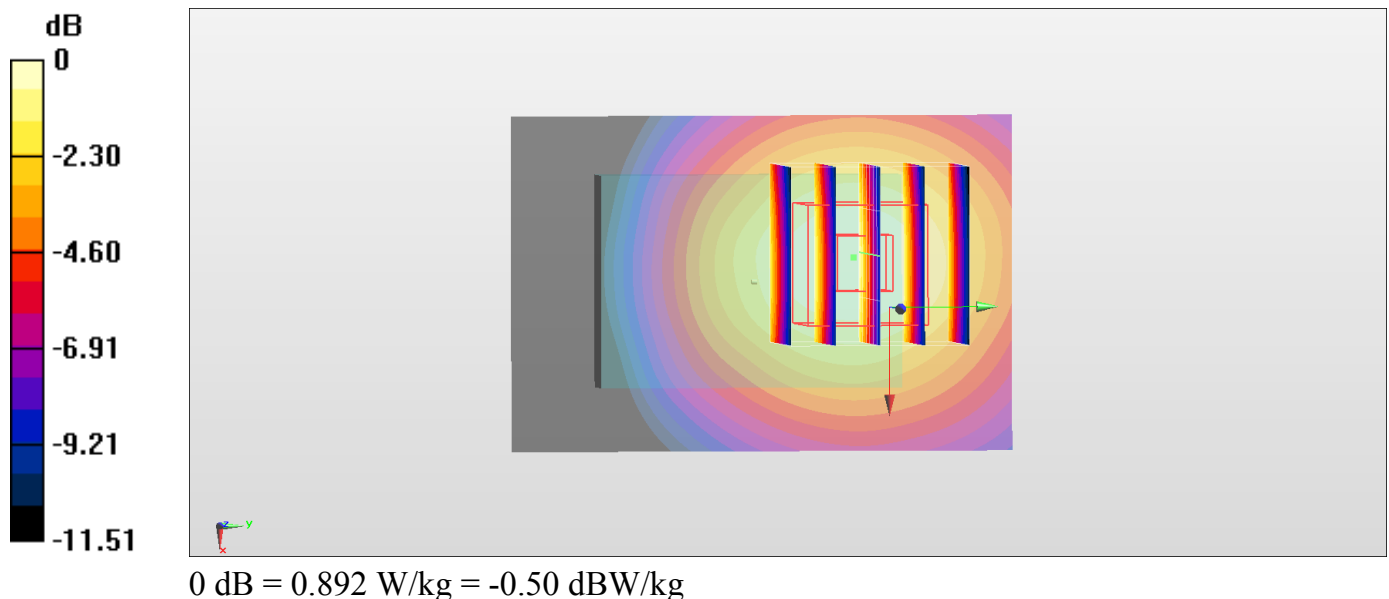
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.522 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.436 W/kg**

Maximum value of SAR (measured) = 0.892 W/kg



**#05\_WLAN2.4GHz\_802.11b 1Mbps\_Front\_10mm\_Ch11**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1.022

Medium: HSL\_2450\_160311 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.833$  S/m;  $\epsilon_r = 40.087$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3955; ConvF(7.36, 7.36, 7.36); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch11/Area Scan (51x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.0768 W/kg

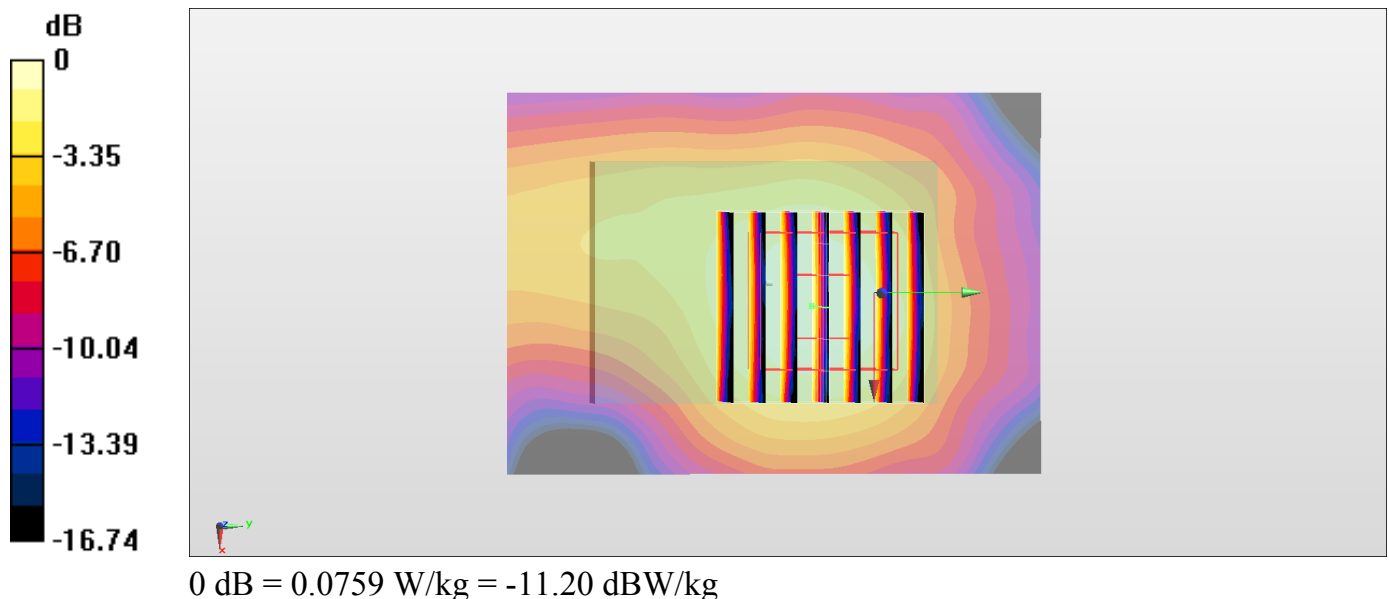
**Configuration/Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.316 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0940 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.0759 W/kg



## #06\_GSM850\_GPRS10\_Inner\_wrist band\_0mm\_Ch128

Communication System: UID 0, GSM850 (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 824.2 MHz; Communication System PAR: 6.18 dB; PMF: 2.03704

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 56.378$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3955; ConvF(10.08, 10.08, 10.08); Calibrated: 24.11.2015;
- Modulation Compensation:
  - Sensor-Surface: 3.47mm (Fix Surface),  $z = 51.0$
- Electronics: DAE4 Sn1399; Calibrated: 23.11.2015
- Phantom: WATCH\_PHANTOM
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)
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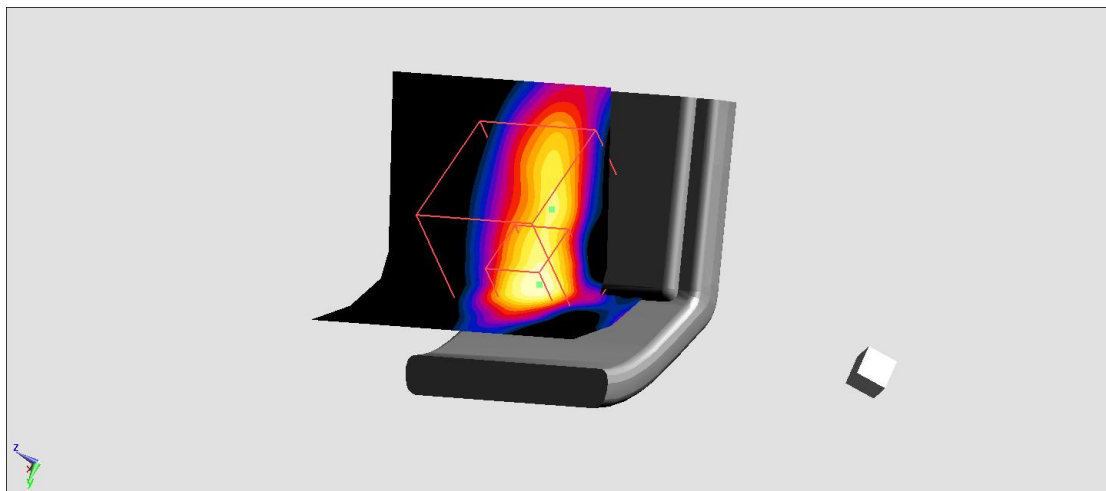
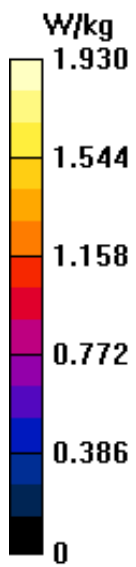
## STEP 2\_ SAR Measurement/Select Communication System and Frequency of EUT/Area Scan (71x61x1):

Interpolated grid:  $dx=0.8000$  mm,  $dy=0.8000$  mm

Reference Value = 21.20 V/m; Power Drift = 0.03 dB

**Fast SAR: SAR(1 g) = 1.53 W/kg; SAR(10 g) = 0.847 W/kg**

Maximum value of SAR (interpolated) = 1.93 W/kg



0 dB = 1.93 W/kg = 2.86 dBW/kg

## #07\_GSM1900\_GPRS (2 Tx slots)\_Inner wrist band\_0mm\_Ch512

Communication System: UID 0, PCS (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1850.2 MHz; Communication System PAR: 6.18 dB; PMF: 2.03704

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.462$  S/m;  $\epsilon_r = 55.419$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3955; ConvF(7.89, 7.89, 7.89); Calibrated: 24.11.2015;
  - Modulation Compensation:
- Sensor-Surface: 4.13mm (Fix Surface),  $z = 51.0$
- Electronics: DAE4 Sn1399; Calibrated: 23.11.2015
- Phantom: WATCH\_PHANTOM
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)

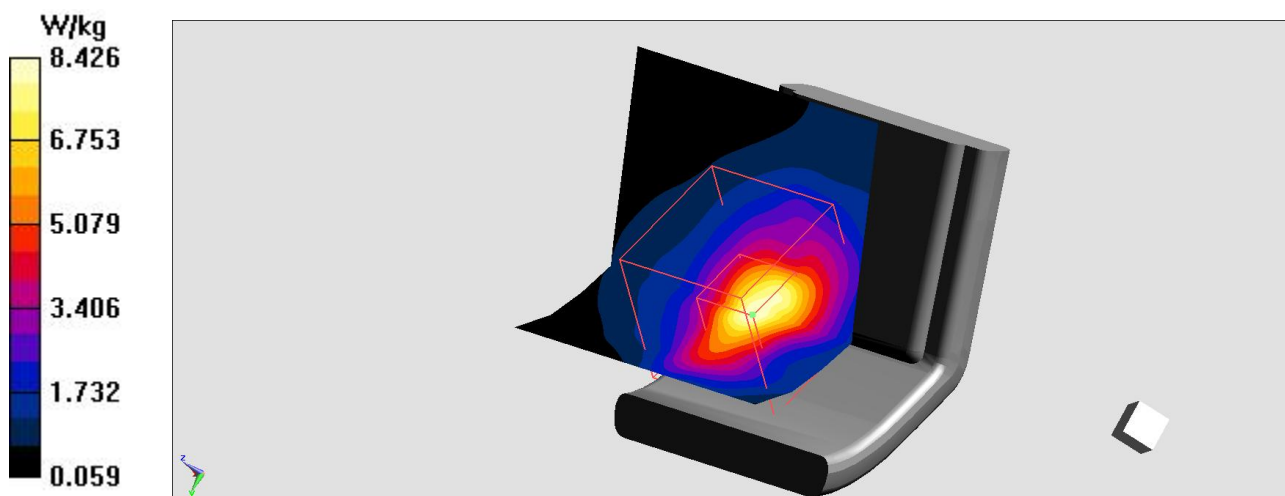
### STEP 2\_SAR Measurement/Select Communication System and Frequency of

**EUT/Area Scan (71x81x1):** Interpolated grid:  $dx=0.6000$  mm,  $dy=0.6000$  mm

Reference Value = 41.85 V/m; Power Drift = -0.02 dB

**Fast SAR: SAR(1 g) = 6.31 W/kg; SAR(10 g) = 2.64 W/kg**

Maximum value of SAR (interpolated) = 8.43 W/kg





## #08\_WCDMA II\_RMC12.2K\_Inner wrist band\_0mm\_Ch9262

Communication System: UID 0, WCDMA (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1852.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 55.411$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3955; ConvF(7.89, 7.89, 7.89); Calibrated: 24.11.2015;
  - Modulation Compensation:
- Sensor-Surface: 4.13mm (Fix Surface),  $z = 51.0$
- Electronics: DAE4 Sn1399; Calibrated: 23.11.2015
- Phantom: WATCH\_PHANTOM
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)

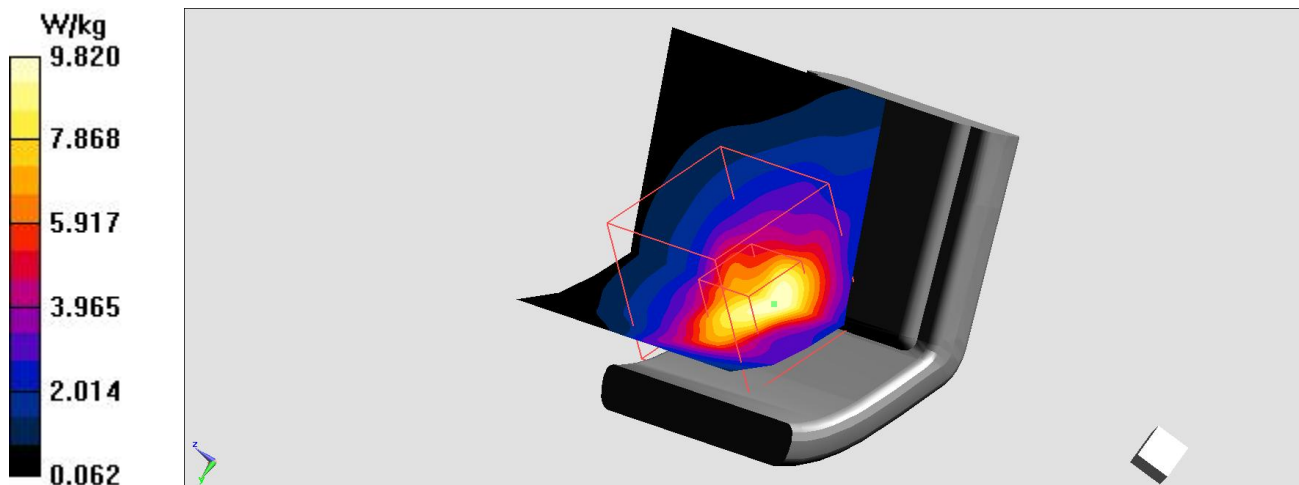
### STEP 2\_ SAR Measurement/Select Communication System and Frequency of

**EUT/Area Scan (71x81x1):** Interpolated grid:  $dx=0.6000$  mm,  $dy=0.6000$  mm

Reference Value = 46.09 V/m; Power Drift = -0.06 dB

**Fast SAR: SAR(1 g) = 7.95 W/kg; SAR(10 g) = 3.53 W/kg**

Maximum value of SAR (interpolated) = 9.82 W/kg



**#09\_WCDMA V\_RMC12.2K\_Inner wrist band\_0mm\_Ch4233**

Communication System: UID 0, WCDMA (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 846.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.996$  S/m;  $\epsilon_r = 56.166$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

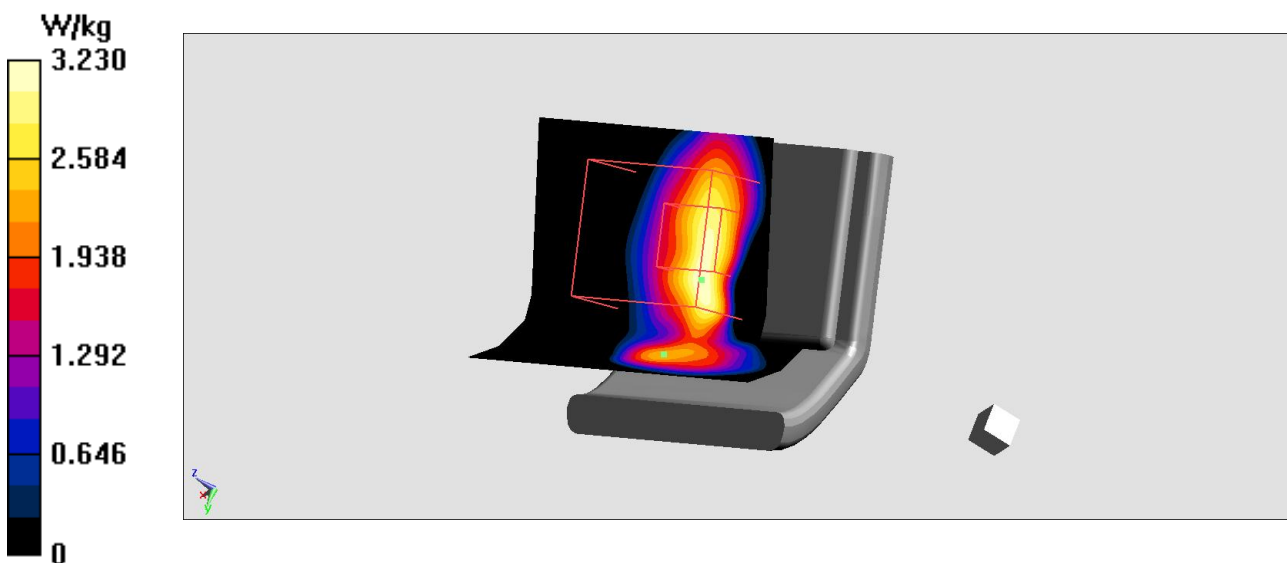
- Probe: EX3DV4 - SN3955; ConvF(10.08, 10.08, 10.08); Calibrated: 24.11.2015;
- Modulation Compensation:
  - Sensor-Surface: 3.47mm (Fix Surface),  $z = 51.0$
- Electronics: DAE4 Sn1399; Calibrated: 23.11.2015
- Phantom: WATCH\_PHANTOM
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)
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**STEP 2\_ SAR Measurement/Select Communication System and Frequency of EUT/Area Scan (71x61x1):** Interpolated grid:  $dx=0.8000$  mm,  $dy=0.8000$  mm

Reference Value = 22.44 V/m; Power Drift = -0.13 dB

**Fast SAR: SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.27 W/kg**

Maximum value of SAR (interpolated) = 3.23 W/kg



$$0 \text{ dB} = 3.23 \text{ W/kg} = 5.09 \text{ dBW/kg}$$

## #10\_WLAN\_802.11b 1Mbps\_Inner wrist band\_0mm\_Ch11

Communication System: UID 0, 802.11b (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.998$  S/m;  $\epsilon_r = 54.088$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3955; ConvF(7.53, 7.53, 7.53); Calibrated: 24.11.2015;
  - Modulation Compensation:
- Sensor-Surface: 5.84mm (Fix Surface),  $z = 61.0$
- Electronics: DAE4 Sn1399; Calibrated: 23.11.2015
- Phantom: WATCH\_PHANTOM
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)

## STEP 2\_ SAR Measurement/Select Communication System and Frequency of

**EUT/Area Scan (61x91x1):** Interpolated grid:  $dx=0.6000$  mm,  $dy=0.6000$  mm

Reference Value = 21.01 V/m; Power Drift = -0.17 dB

**Fast SAR: SAR(1 g) = 1 W/kg; SAR(10 g) = 0.346 W/kg**

Maximum value of SAR (interpolated) = 1.12 W/kg

