

**#01 GSM850\_GPRS10\_Rear Face\_0cm\_Ch128**

**DUT: 082627**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110620 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.953 \text{ mho/m}$ ;  $\epsilon_r = 54.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch128/Area Scan (111x131x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.471 mW/g

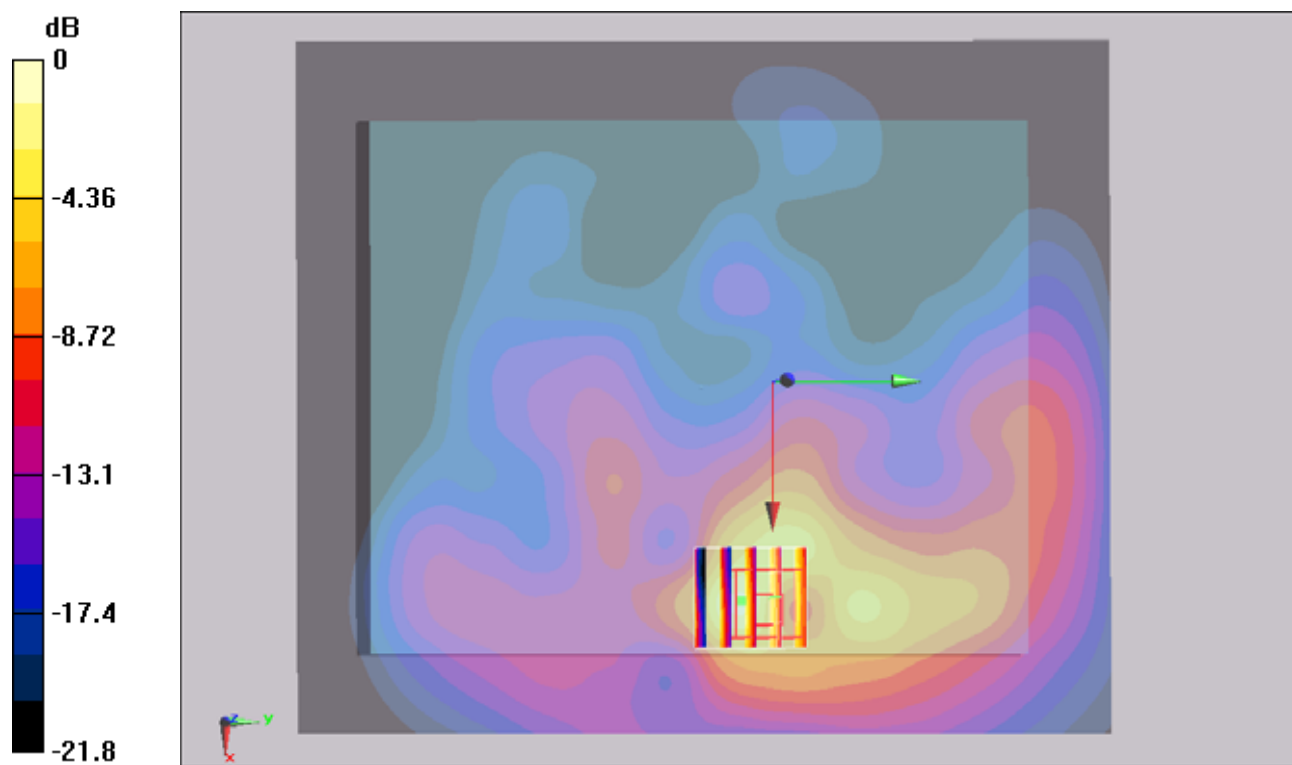
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.67 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.959 W/kg

**SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.313 mW/g**

Maximum value of SAR (measured) = 0.597 mW/g



## #01 GSM850\_GPRS10\_Rear Face\_0cm\_Ch128\_2D

**DUT: 082627**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110620 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.953$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch128/Area Scan (111x131x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.471 mW/g

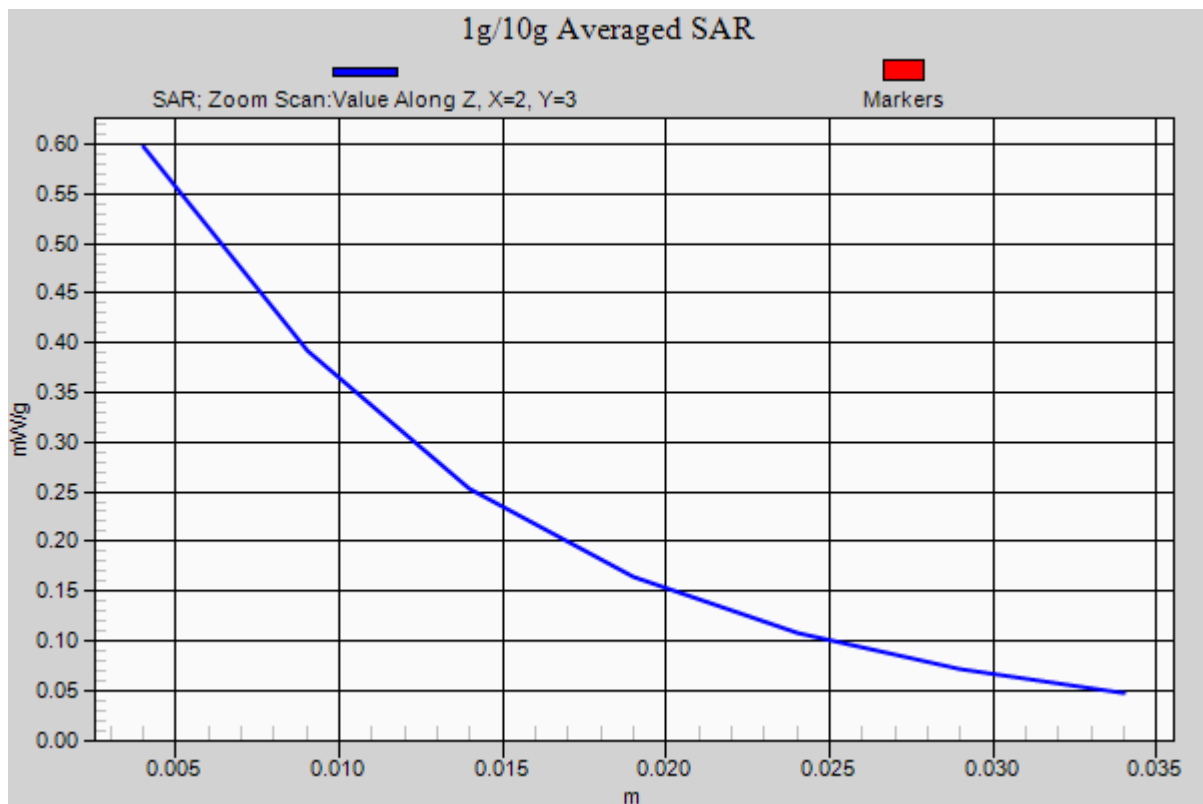
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.67 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.959 W/kg

**SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.313 mW/g**

Maximum value of SAR (measured) = 0.597 mW/g



## **#02 GSM850\_GPRS10\_Top Side\_0cm\_Ch128**

**DUT: 082627**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110620 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.953$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch128/Area Scan (41x131x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.529 mW/g

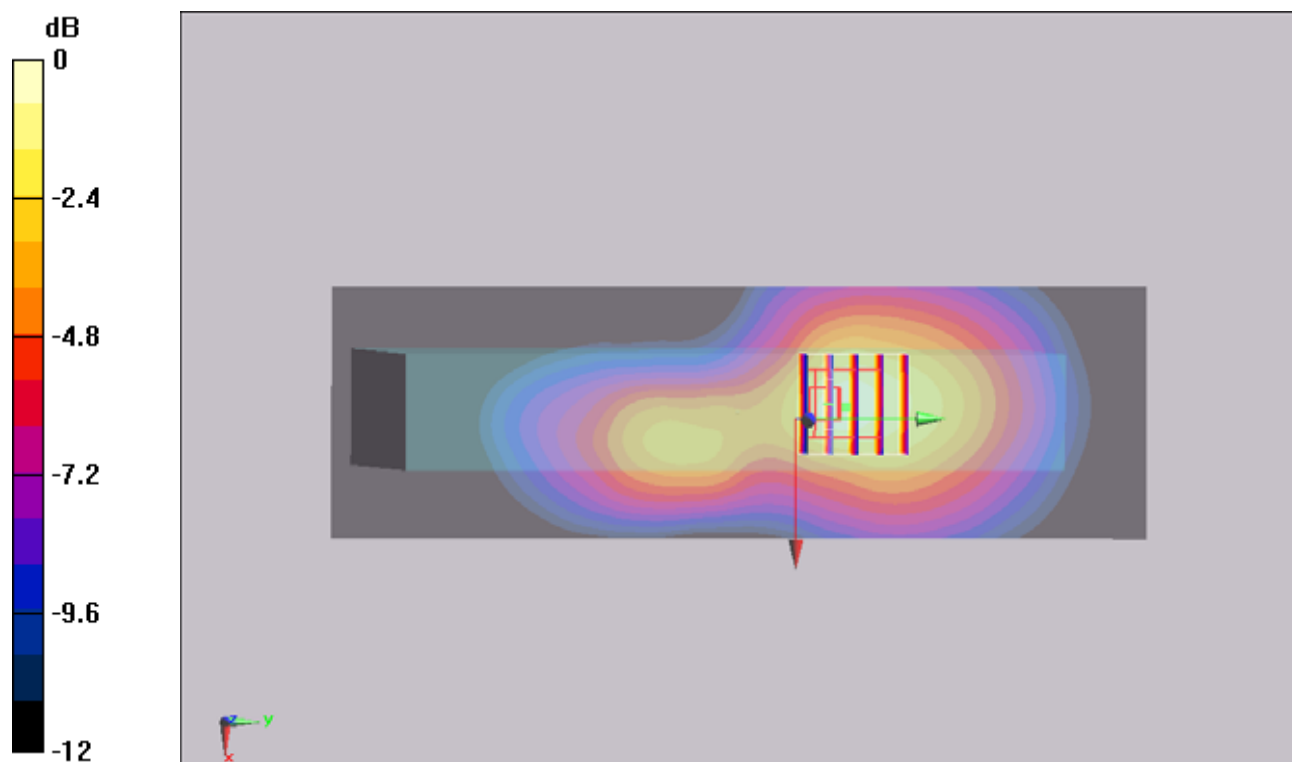
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.6 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 1 W/kg

**SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.298 mW/g**

Maximum value of SAR (measured) = 0.538 mW/g



**#03 GSM850\_GPRS10\_Right Side\_0cm\_Ch128**

**DUT: 082627**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110620 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.953 \text{ mho/m}$ ;  $\epsilon_r = 54.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch128/Area Scan (41x101x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.172 mW/g

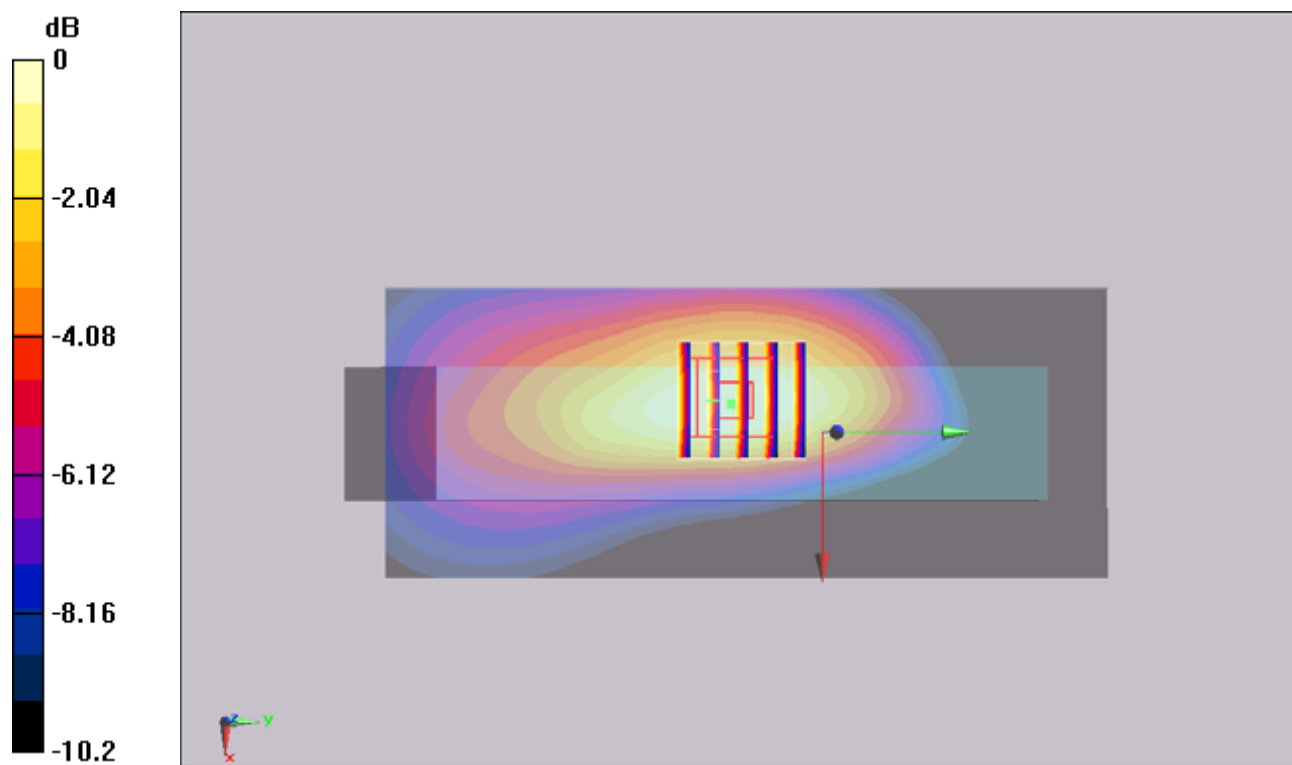
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.3 V/m; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.205 W/kg

**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.105 mW/g**

Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.161mW/g

**#04 GSM850\_GPRS10\_Left Side\_0cm\_Ch128**

**DUT: 082627**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110620 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.953$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch128/Area Scan (41x101x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.00811 mW/g

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

Reference Value = 2.81 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.011 W/kg

**SAR(1 g) = 0.00782 mW/g; SAR(10 g) = 0.00511 mW/g**

Maximum value of SAR (measured) = 0.00873 mW/g

**Ch128/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

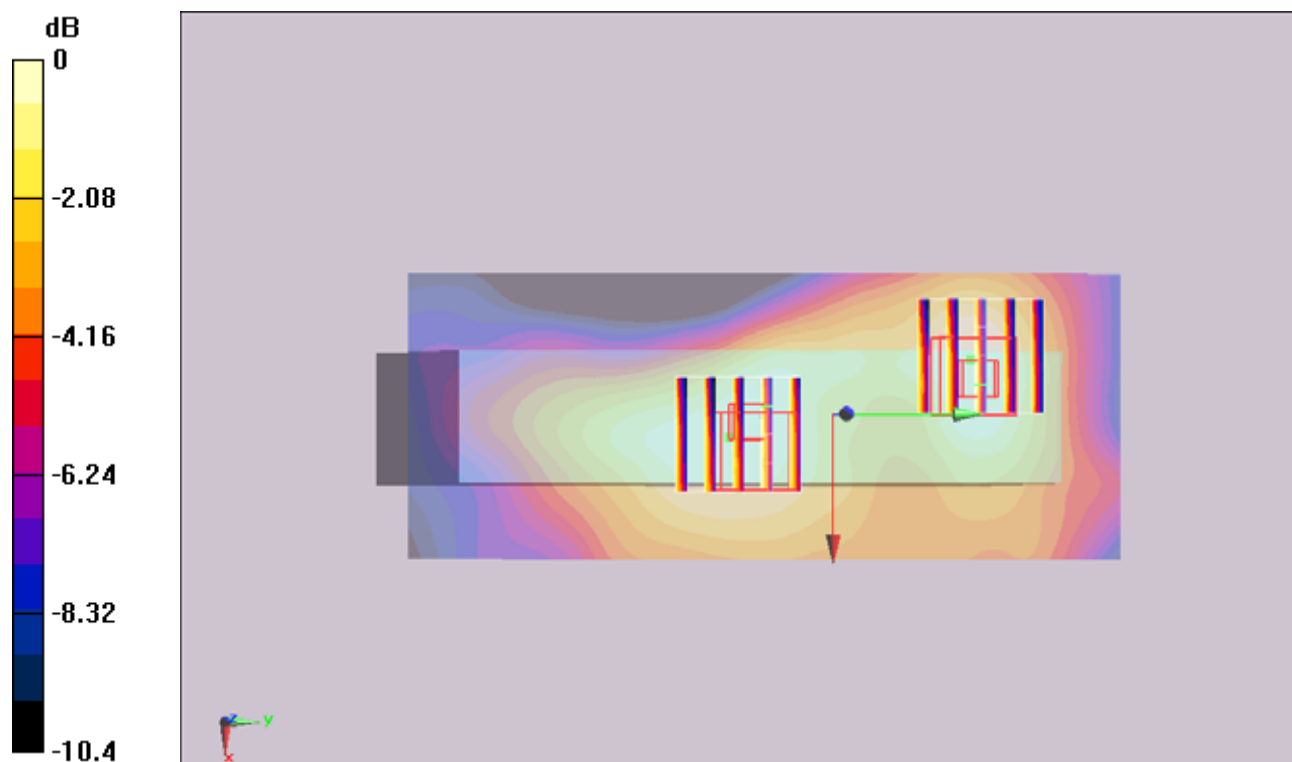
Reference Value = 2.81 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.010 W/kg

**SAR(1 g) = 0.00666 mW/g; SAR(10 g) = 0.00485 mW/g**

Maximum value of SAR (measured) = 0.00712 mW/g





0 dB = 0.00712mW/g

**#05 GSM1900\_GPRS12\_Rear Face\_0cm\_Ch512**

**DUT: 082627**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_110620 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.38 \text{ mho/m}$ ;  $\epsilon_r = 39.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch512/Area Scan (111x131x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.276 mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.84 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.380 W/kg

**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.131 mW/g**

Maximum value of SAR (measured) = 0.238 mW/g

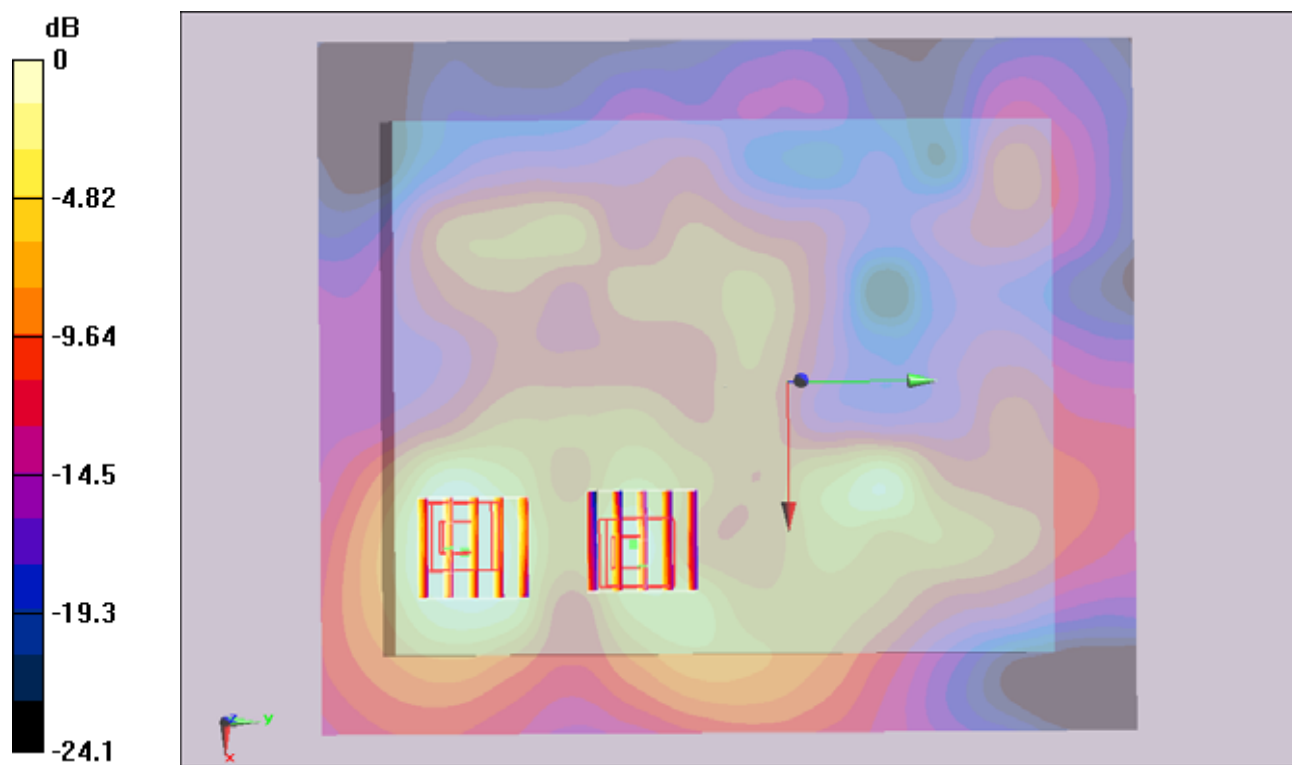
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.84 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.351 W/kg

**SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.081 mW/g**

Maximum value of SAR (measured) = 0.184 mW/g



0 dB = 0.184mW/g

## #06 GSM1900\_GPRS12\_Top Side\_0cm\_Ch512

**DUT: 082627**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_110620 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.38 \text{ mho/m}$ ;  $\epsilon_r = 39.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch512/Area Scan (41x131x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.369 mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.534 W/kg

**SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.194 mW/g**

Maximum value of SAR (measured) = 0.338 mW/g

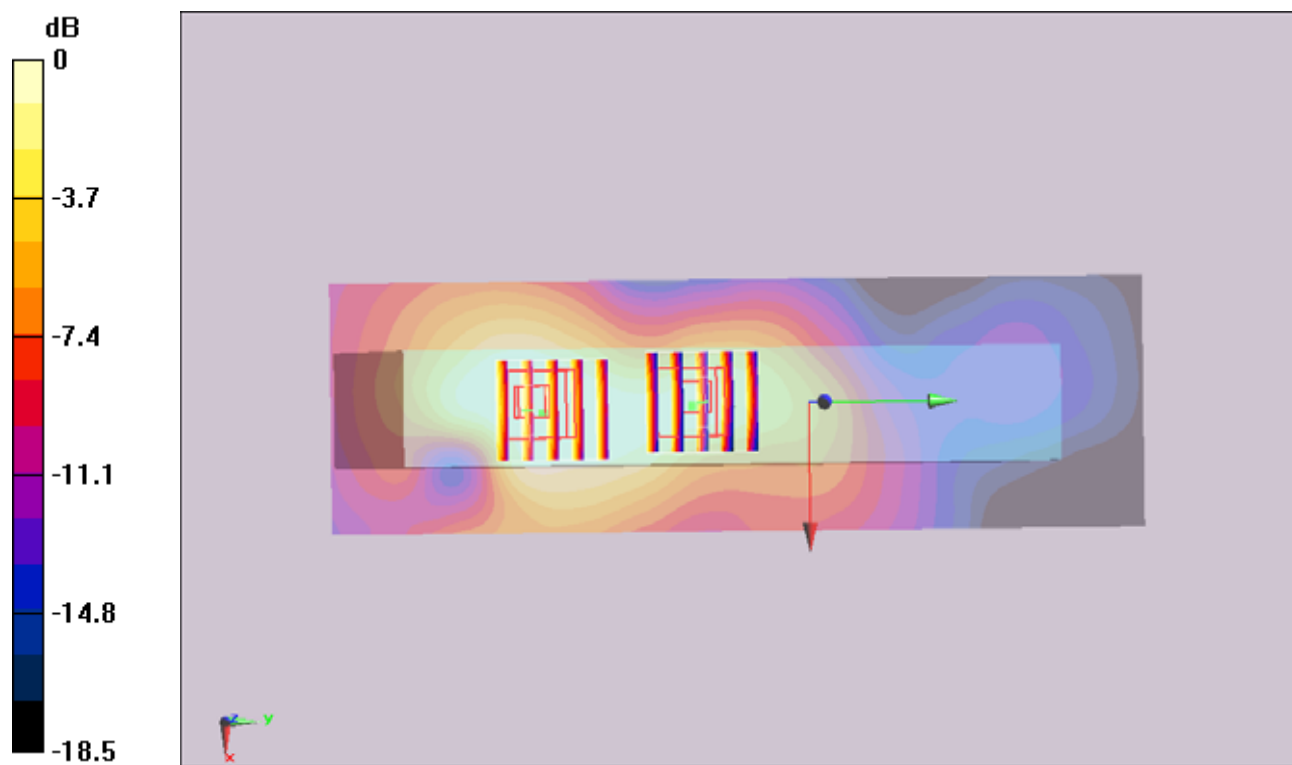
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.127 mW/g**

Maximum value of SAR (measured) = 0.247 mW/g



0 dB = 0.247mW/g

## #06 GSM1900\_GPRS12\_Top Side\_0cm\_Ch512\_2D

**DUT: 082627**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_110620 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch512/Area Scan (41x131x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.369 mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.534 W/kg

**SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.194 mW/g**

Maximum value of SAR (measured) = 0.338 mW/g

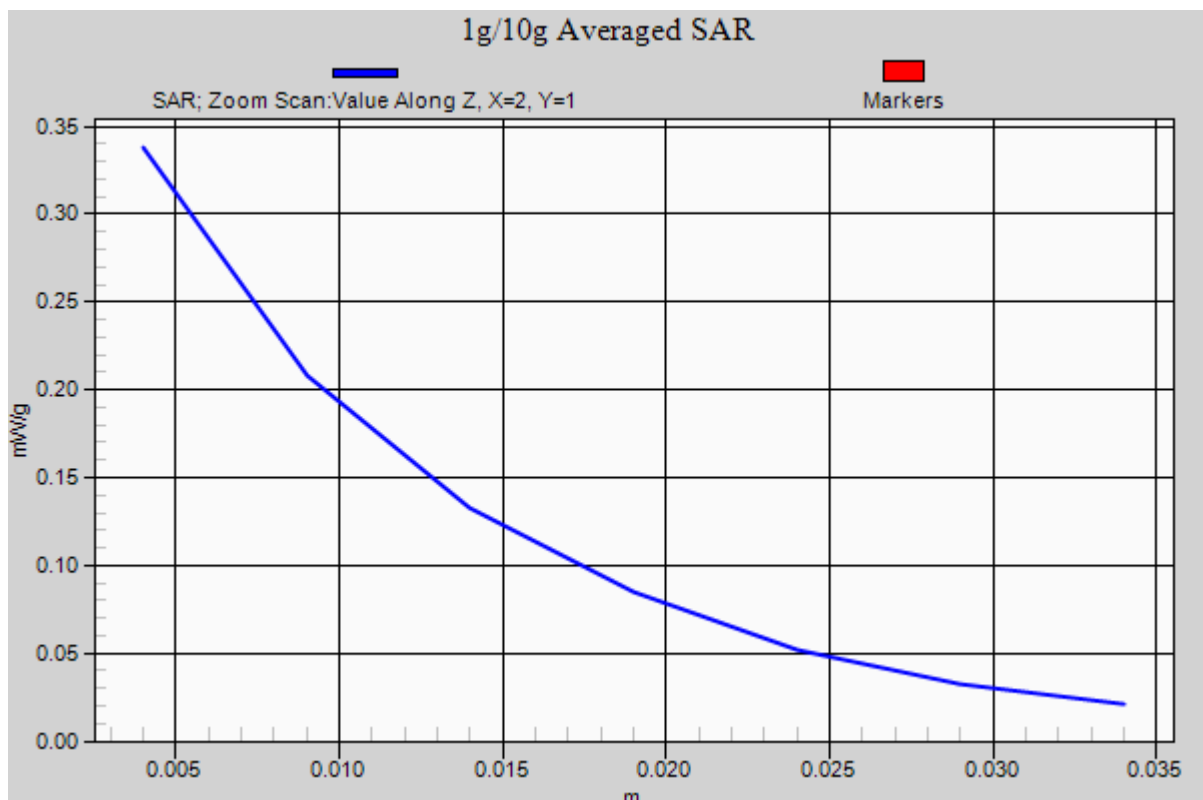
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.127 mW/g**

Maximum value of SAR (measured) = 0.247 mW/g



**#07 GSM1900\_GPRS12\_Right Side\_0cm\_Ch512**

**DUT: 082627**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_110620 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.38 \text{ mho/m}$ ;  $\epsilon_r = 39.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch512/Area Scan (41x101x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.058 mW/g

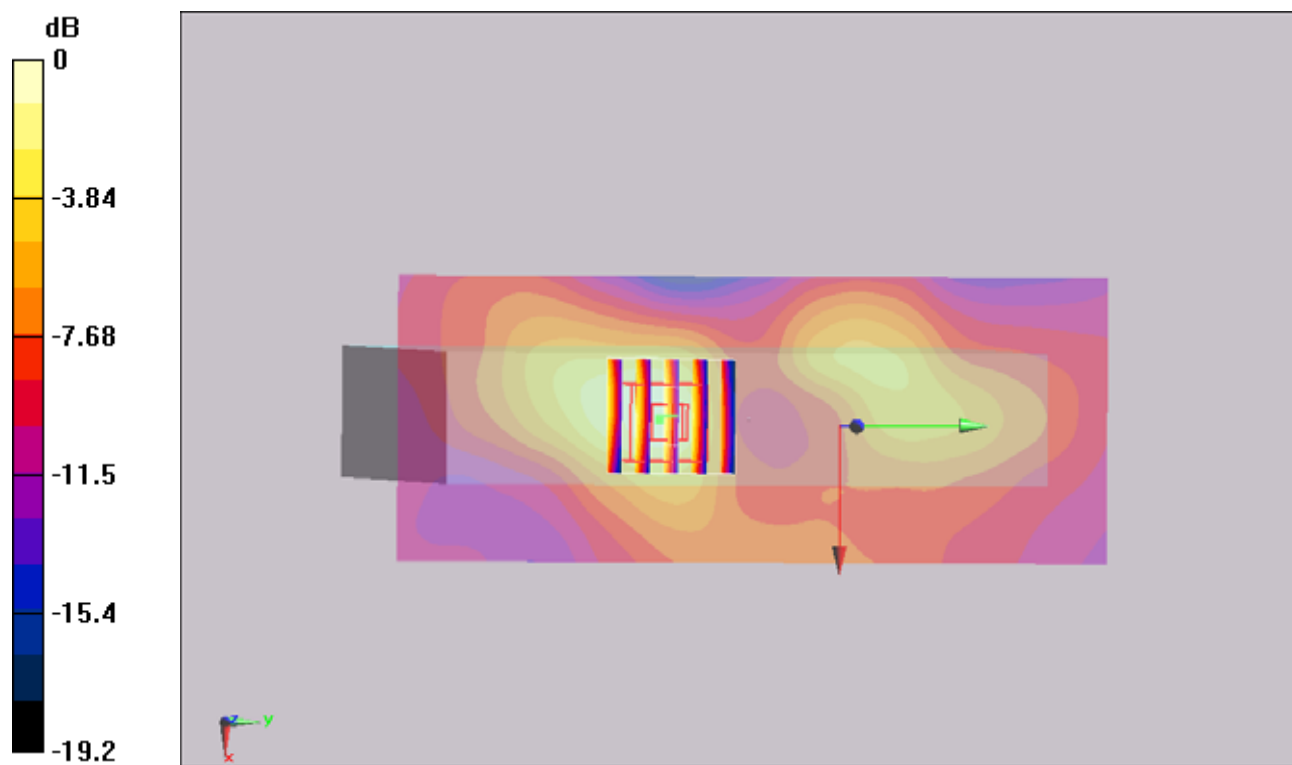
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.11 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 0.085 W/kg

**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.026 mW/g**

Maximum value of SAR (measured) = 0.058 mW/g



0 dB = 0.058mW/g



**#08 GSM1900\_GPRS12\_Left Side\_0cm\_Ch512**

**DUT: 082627**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_110620 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.38 \text{ mho/m}$ ;  $\epsilon_r = 39.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch512/Area Scan (41x101x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.180 mW/g

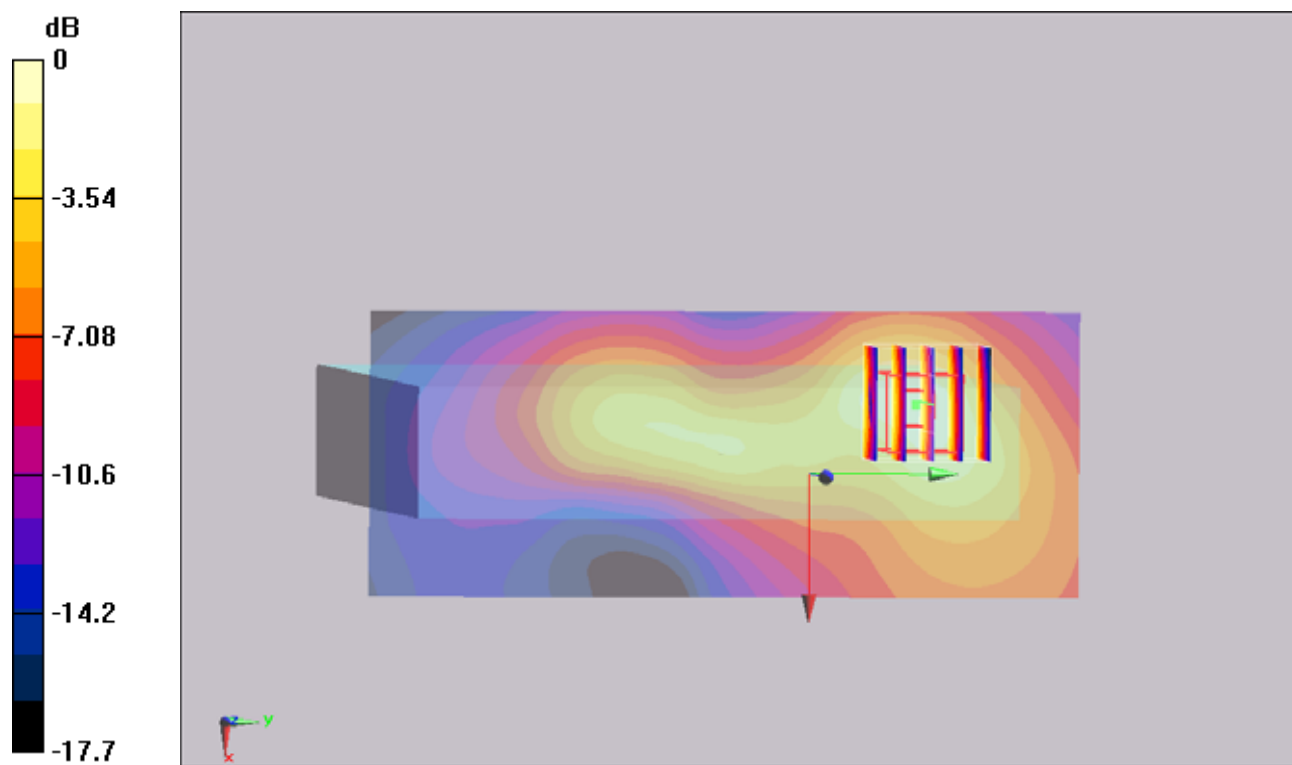
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.22 V/m; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 0.285 W/kg

**SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.101 mW/g**

Maximum value of SAR (measured) = 0.187 mW/g



0 dB = 0.187mW/g

**#09 WCDMA V\_RMC12.2k\_Rear Face\_0cm\_Ch4182**

**DUT: 082627**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110621 Medium parameters used :  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.998 \text{ mho/m}$ ;  $\epsilon_r = 55.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4182/Area Scan (111x131x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.102 mW/g

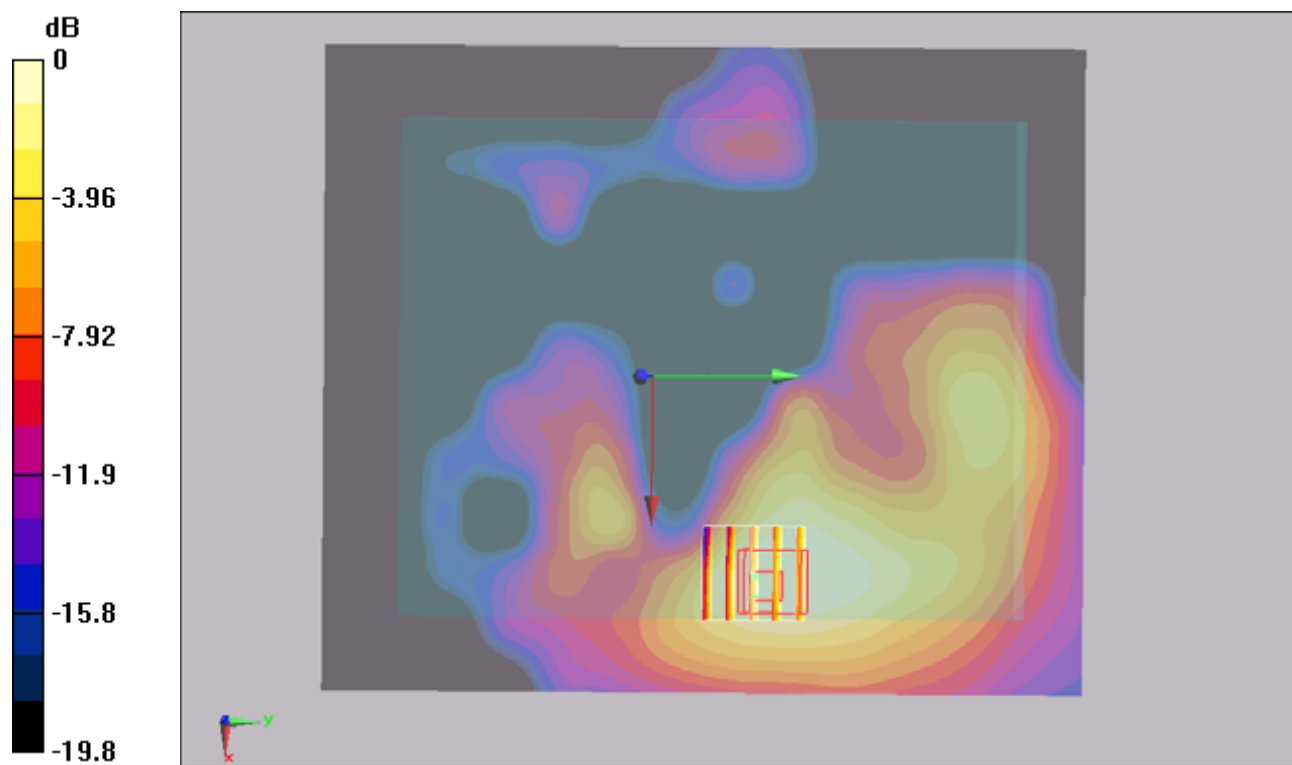
**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.487 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 0.122 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.061 mW/g**

Maximum value of SAR (measured) = 0.093 mW/g



**#10 WCDMA V\_RMC12.2k\_Top Side\_0cm\_Ch4182**

**DUT: 082627**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110621 Medium parameters used :  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.998 \text{ mho/m}$ ;  $\epsilon_r = 55.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4182/Area Scan (41x131x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.272 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.164 mW/g**

Maximum value of SAR (measured) = 0.260 mW/g

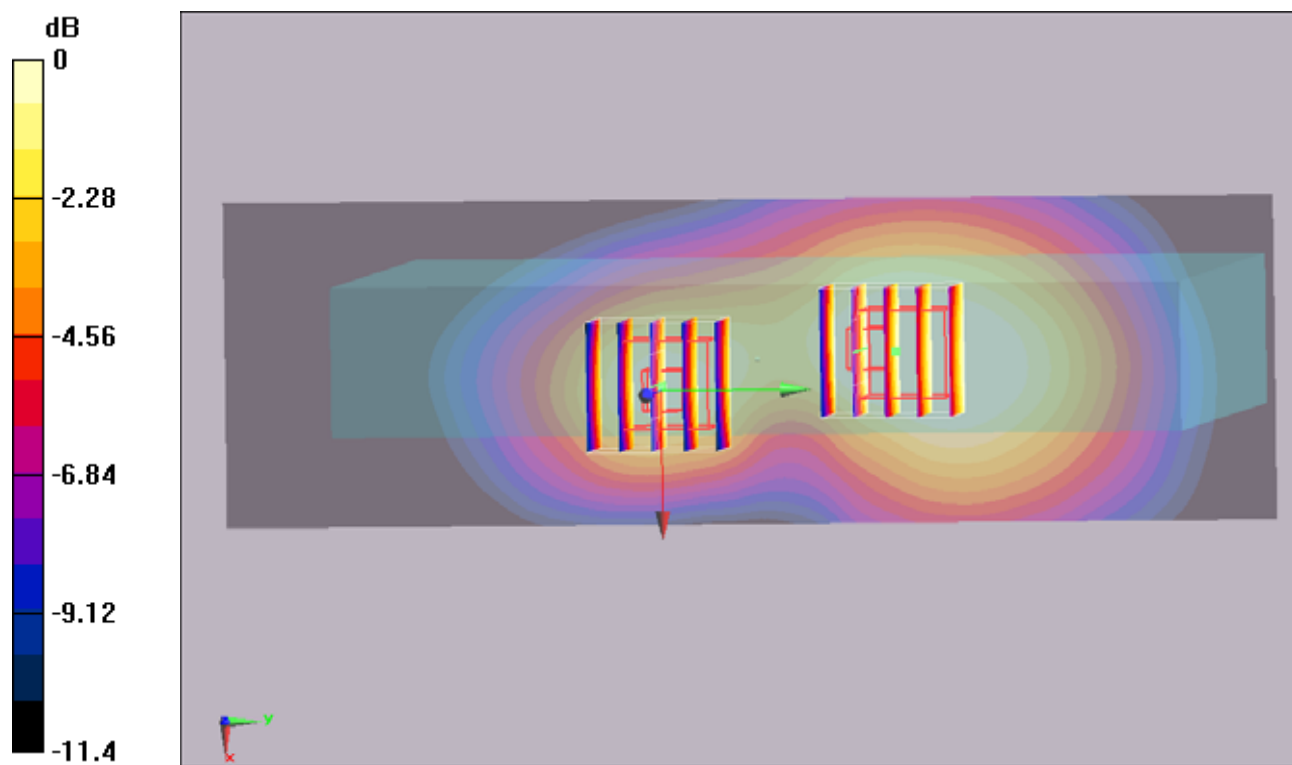
**Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.123 mW/g**

Maximum value of SAR (measured) = 0.200 mW/g



0 dB = 0.200mW/g

## **#10 WCDMA V\_RMC12.2k\_Top Side\_0cm\_Ch4182\_2D**

### **DUT: 082627 2**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110621 Medium parameters used :  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.998 \text{ mho/m}$ ;  $\epsilon_r = 55.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4182/Area Scan (41x131x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.272 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.8 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.164 mW/g**

Maximum value of SAR (measured) = 0.260 mW/g

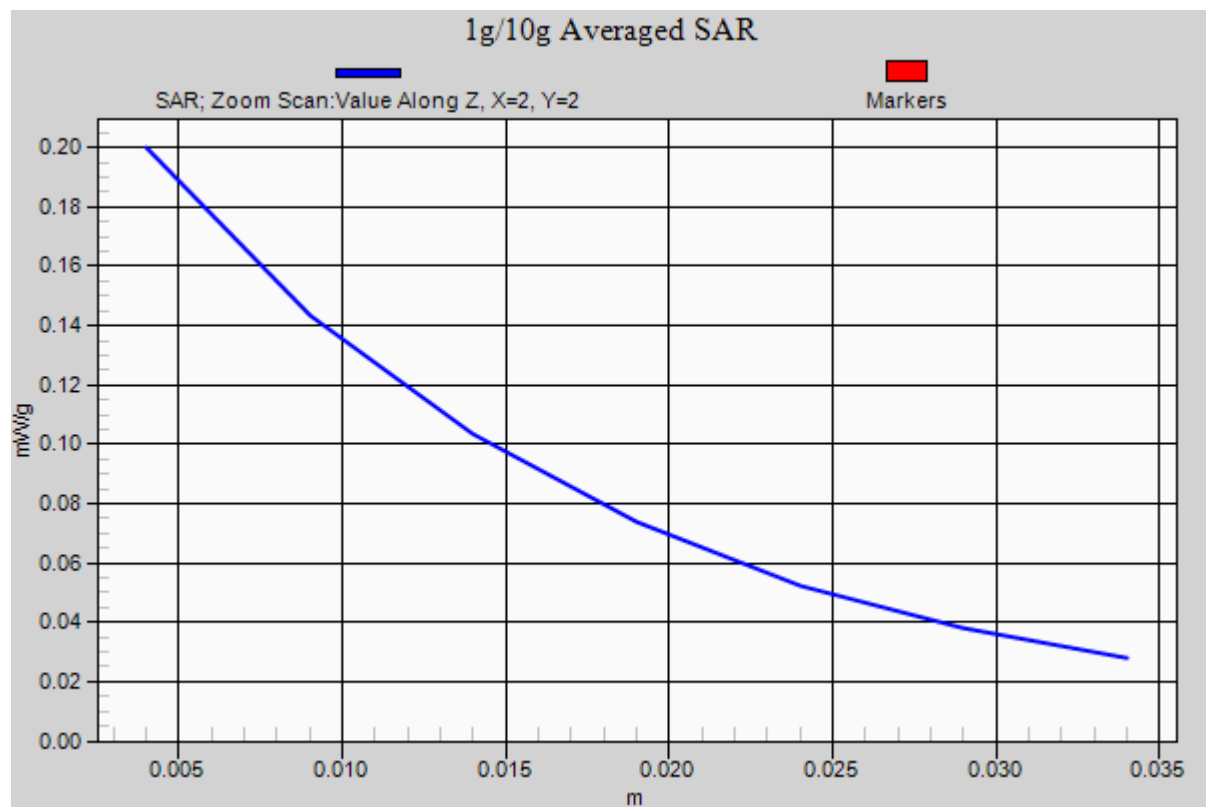
**Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.8 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.123 mW/g**

Maximum value of SAR (measured) = 0.200 mW/g





**#11 WCDMA V\_RMC12.2k\_Right Side\_0cm\_Ch4182**

**DUT: 082627**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110621 Medium parameters used :  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.998 \text{ mho/m}$ ;  $\epsilon_r = 55.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4182/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.072 mW/g

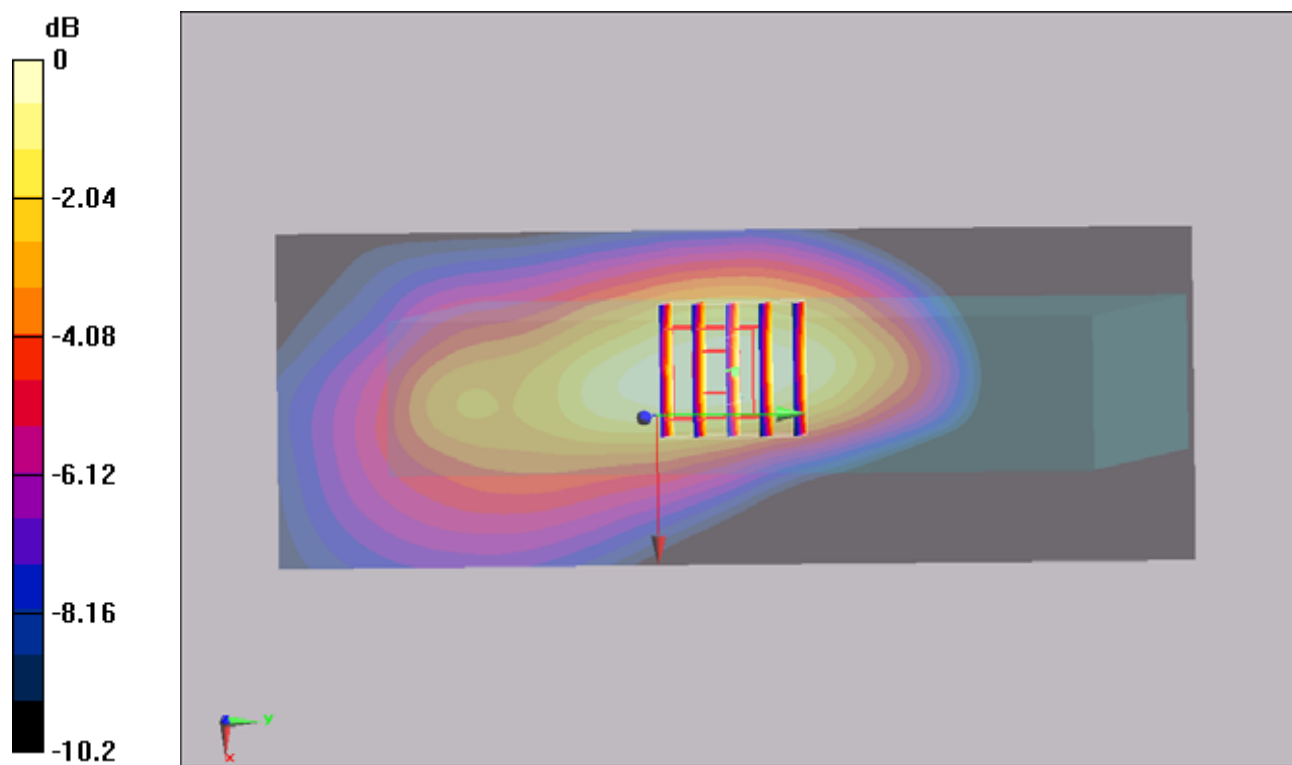
**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.94 V/m; Power Drift = 0.185 dB

Peak SAR (extrapolated) = 0.090 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.046 mW/g**

Maximum value of SAR (measured) = 0.070 mW/g



0 dB = 0.070mW/g

**#12 WCDMA V\_RMC12.2k\_Left Side\_0cm\_Ch4182**

**DUT: 082627**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110621 Medium parameters used :  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.998 \text{ mho/m}$ ;  $\epsilon_r = 55.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4182/Area Scan (41x131x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.012 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.4 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.0079 W/kg

**SAR(1 g) = 0.00633 mW/g; SAR(10 g) = 0.00464 mW/g**

Maximum value of SAR (measured) = 0.00686 mW/g

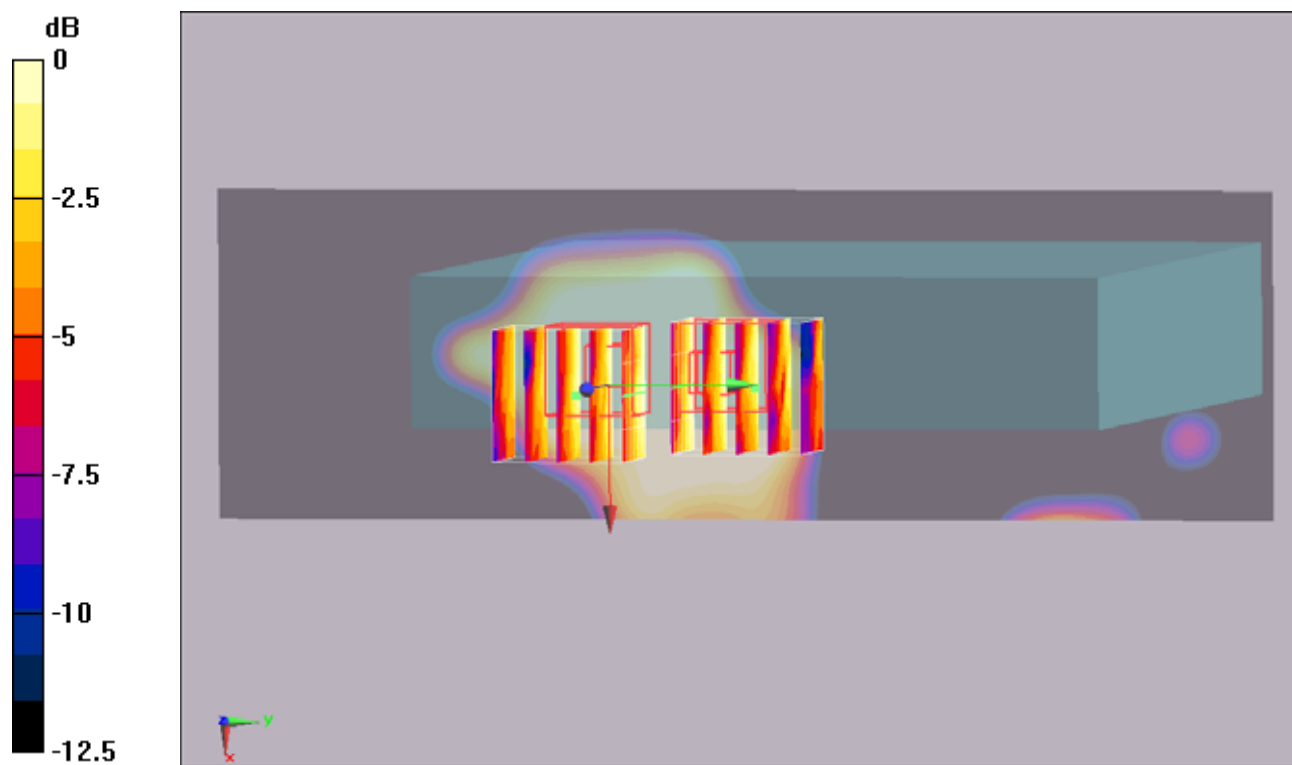
**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.4 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.008 W/kg

**SAR(1 g) = 0.00613 mW/g; SAR(10 g) = 0.00451 mW/g**

Maximum value of SAR (measured) = 0.00663 mW/g



**#13 WCDMA II\_RMC12.2k\_Rear Face\_0cm\_Ch9400****DUT: 082627**

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

Medium: MSL\_1900\_110622 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(7.13, 7.13, 7.13); Calibrated: 2010/9/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9400/Area Scan (111x131x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.254 mW/g

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

Reference Value = 4.58 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 0.332 W/kg

**SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.123 mW/g**

Maximum value of SAR (measured) = 0.227 mW/g

**Ch9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.58 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 0.303 W/kg

**SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.187 mW/g



**#14 WCDMA II\_RMC12.2k\_Top Side\_0cm\_Ch9400****DUT: 082627**

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

Medium: MSL\_1900\_110622 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(7.13, 7.13, 7.13); Calibrated: 2010/9/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9400/Area Scan (41x131x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.233 mW/g

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

Reference Value = 9.35 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 0.345 W/kg

**SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.137 mW/g**

Maximum value of SAR (measured) = 0.238 mW/g

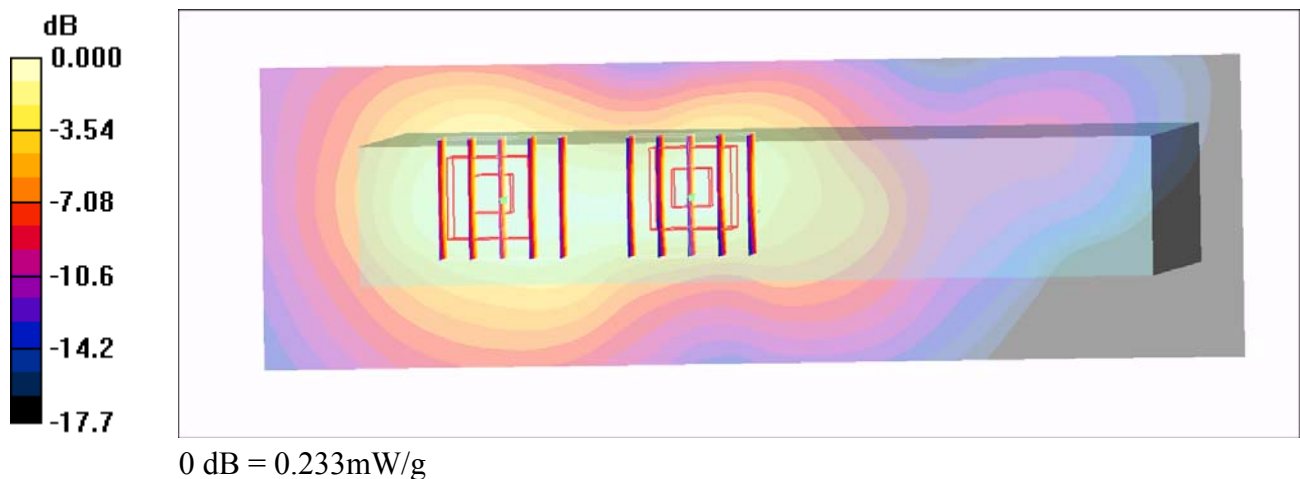
**Ch9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.35 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.233 mW/g



## #14 WCDMA II\_RMC12.2k\_Top Side\_0cm\_Ch9400\_2D

**DUT: 082627**

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

Medium: MSL\_1900\_110622 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.6$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(7.13, 7.13, 7.13); Calibrated: 2010/9/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9400/Area Scan (41x131x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.233 mW/g

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

Reference Value = 9.35 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 0.345 W/kg

**SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.137 mW/g**

Maximum value of SAR (measured) = 0.238 mW/g

**Ch9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.35 V/m; Power Drift = -0.149 dB

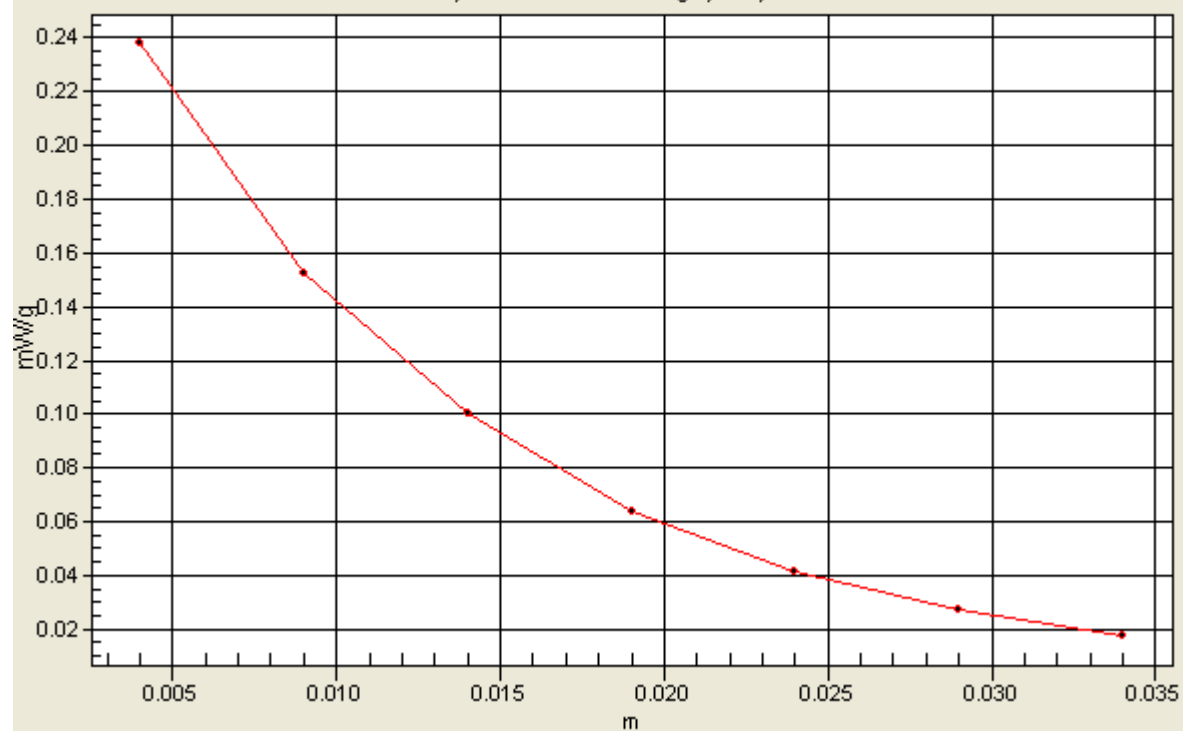
Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.233 mW/g

# 1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=2, Y=2





**#15 WCDMA II\_RMC12.2k\_Right Side\_0cm\_Ch9400****DUT: 082627**

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

Medium: MSL\_1900\_110622 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(7.13, 7.13, 7.13); Calibrated: 2010/9/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9400/Area Scan (41x121x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.032 mW/g

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

Reference Value = 1.78 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.046 W/kg

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.032 mW/g



**#16 WCDMA II\_RMC12.2k\_Left Side\_0cm\_Ch9400****DUT: 082627**

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

Medium: MSL\_1900\_110622 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(7.13, 7.13, 7.13); Calibrated: 2010/9/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9400/Area Scan (41x121x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.150 mW/g

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

Reference Value = 8.02 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.233 W/kg

**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.089 mW/g**

Maximum value of SAR (measured) = 0.164 mW/g

**Ch9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.02 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.151 W/kg

**SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.058 mW/g**

Maximum value of SAR (measured) = 0.104 mW/g

