

#04 GSM850_GPRS12_Bottom_0cm_Ch189

DUT: 052906

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:2

Medium: MSL_850_100613 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.963 \text{ mho/m}$; $\epsilon_r =$

54.5 ; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (91x121x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.516 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.27 V/m ; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.360 mW/g ; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.384 mW/g

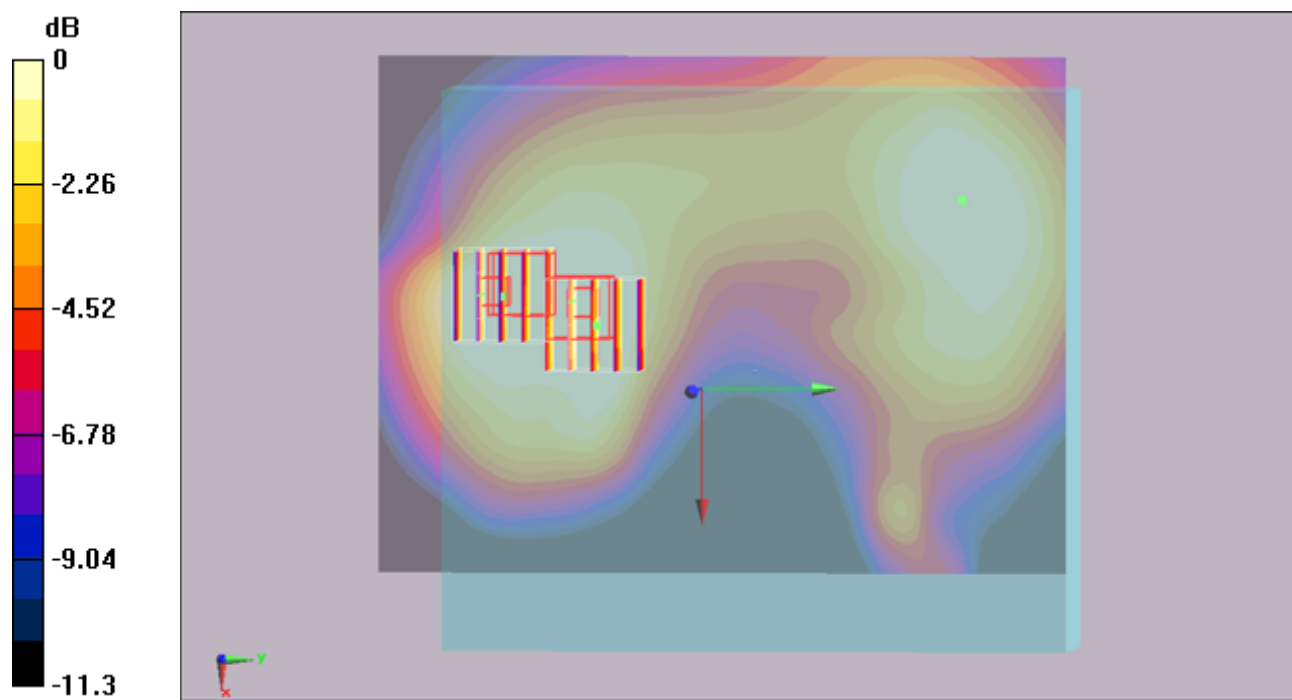
Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.27 V/m ; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.356 mW/g ; SAR(10 g) = 0.258 mW/g

Maximum value of SAR (measured) = 0.365 mW/g



0 dB = 0.365mW/g

#04 GSM850_GPRS12_Bottom_0cm_Ch189_2D

DUT: 052906

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:2

Medium: MSL_850_100613 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.963$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (91x121x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.516 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.27 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.384 mW/g

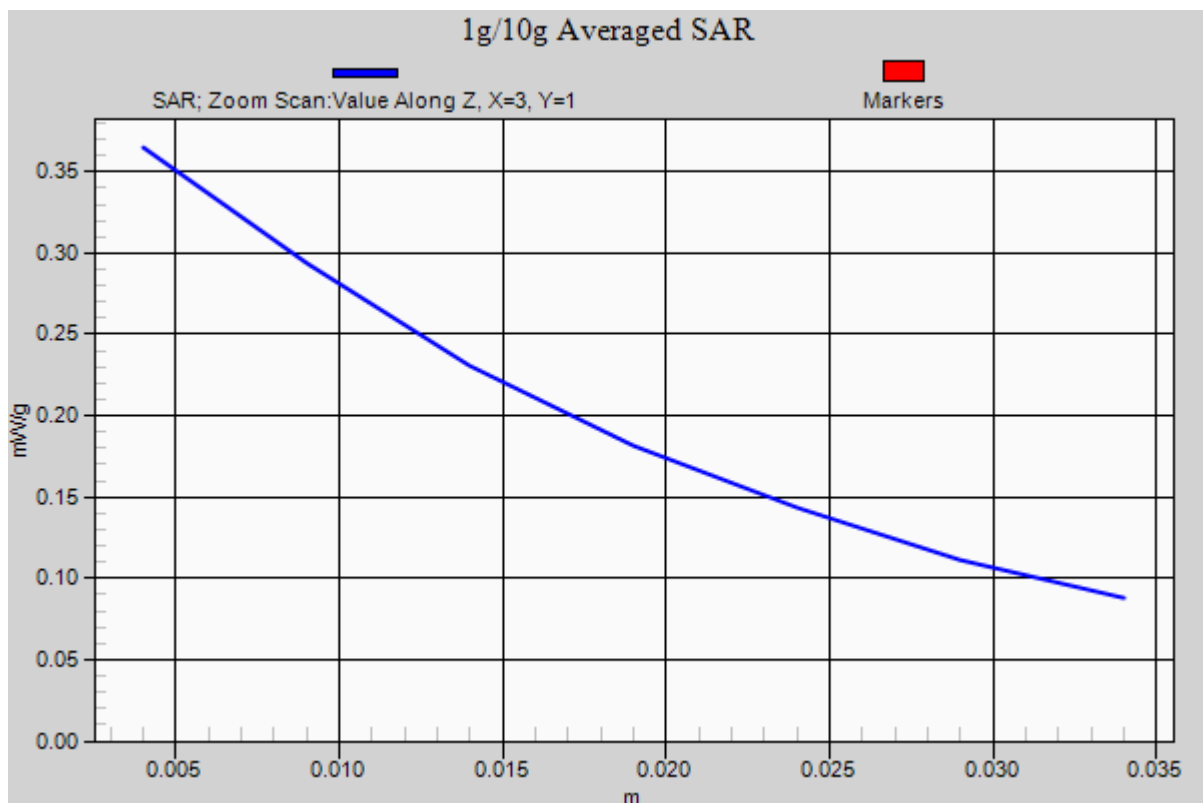
Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.27 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.258 mW/g

Maximum value of SAR (measured) = 0.365 mW/g



#08 GSM1900_GPRS12_Bottom_0cm_Ch512**DUT: 052906**

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

Medium: MSL_1900_100614 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 53.5$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.47, 4.47, 4.47); Calibrated: 2010/5/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch512/Area Scan (61x151x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.290 mW/g

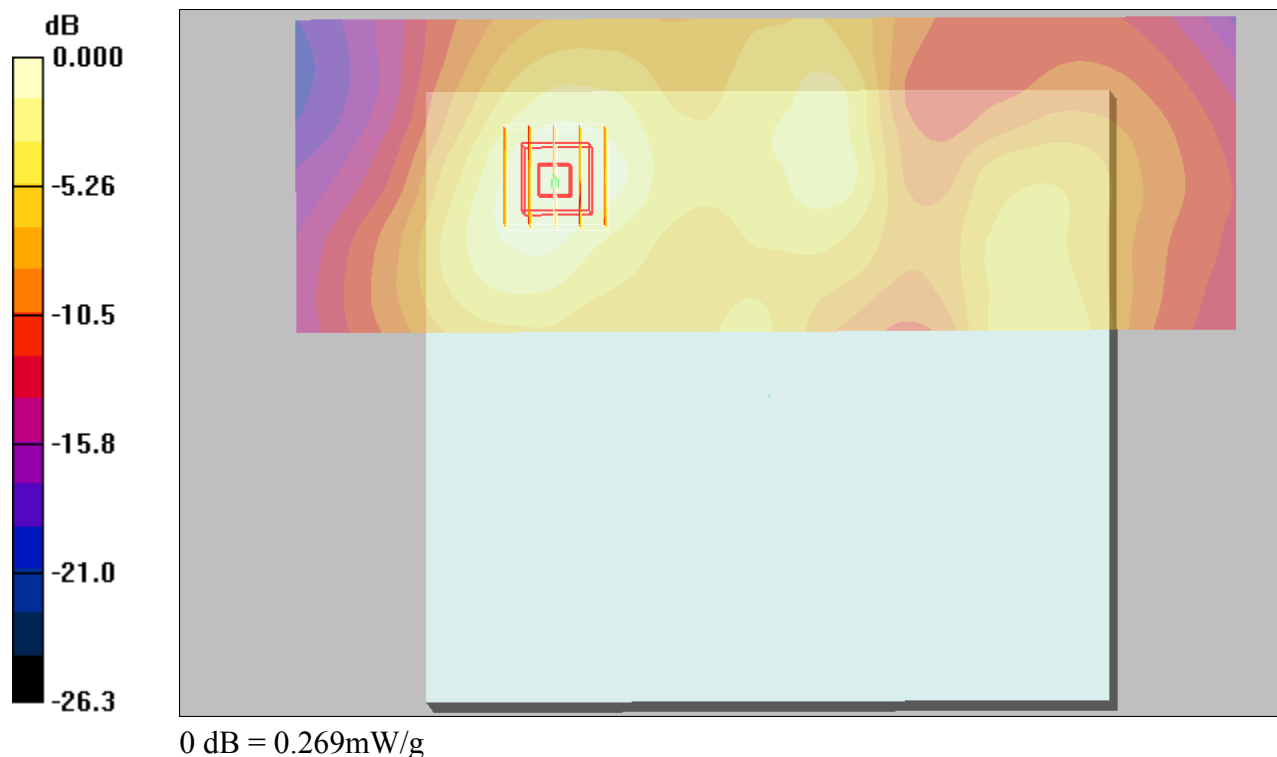
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.77 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.269 mW/g



#08 GSM1900_GPRS12_Bottom_0cm_Ch512_2D**DUT: 052906**

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

Medium: MSL_1900_100614 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r =$ 53.5 ; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 24.4 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.47, 4.47, 4.47); Calibrated: 2010/5/18

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn577; Calibrated: 2009/8/24

- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch512/Area Scan (61x151x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.290 mW/g

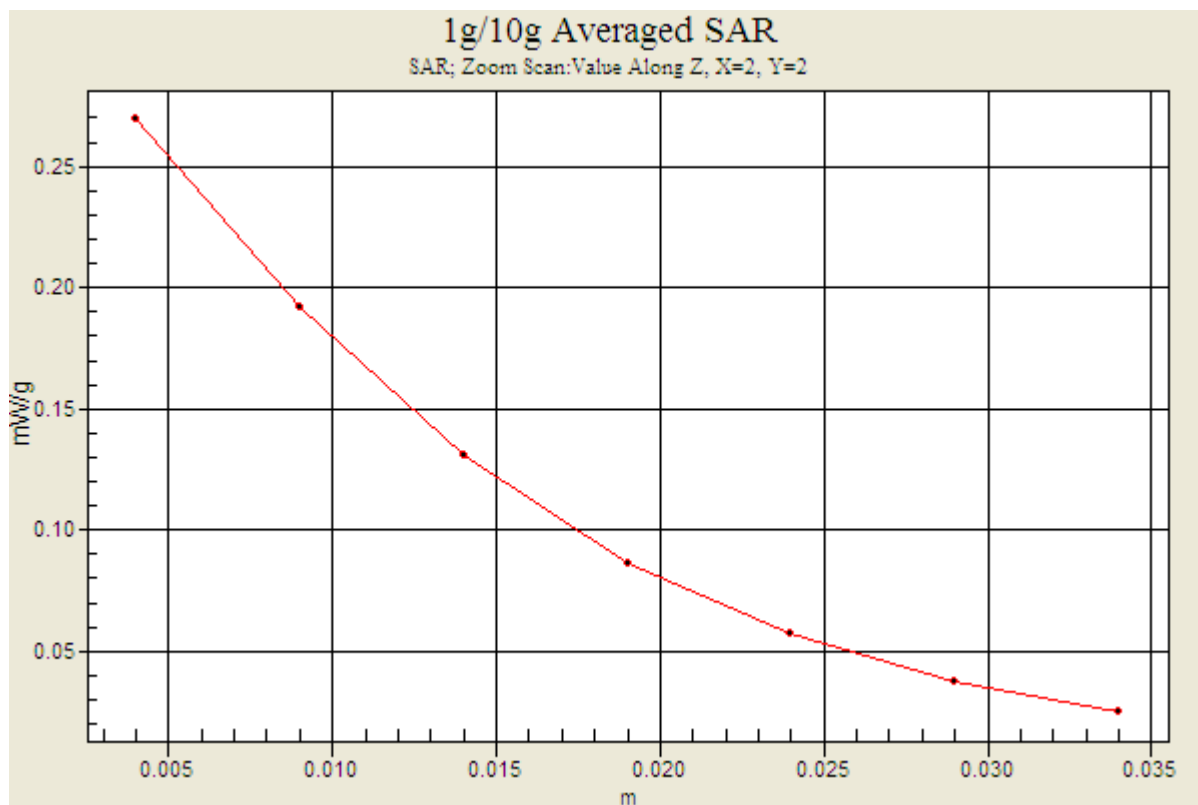
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.77 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.269 mW/g



#13 WCDMA V_RMC12.2K_Bottom_0cm_ch4132**DUT: 052906**

Communication System: WCDMA Band 5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100614 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.8$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.12, 6.12, 6.12); Calibrated: 2010/5/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4132/Area Scan (91x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.167 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.89 V/m; Power Drift = 0.086 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.163 mW/g

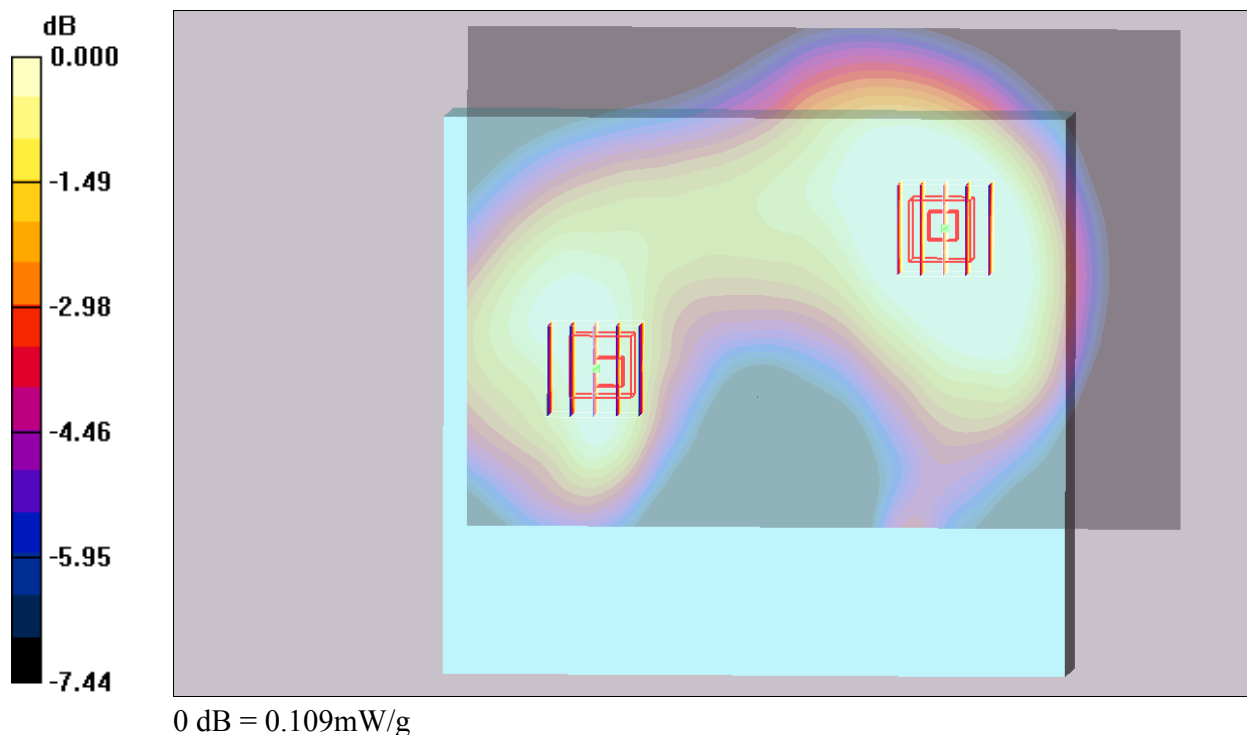
Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.89 V/m; Power Drift = 0.086 dB

Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.109 mW/g



#13 WCDMA V_RMC12.2K_Bottom_0cm_ch4132_2D

DUT: 052906

Communication System: WCDMA Band 5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100614 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.8$;

$\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.12, 6.12, 6.12); Calibrated: 2010/5/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4132/Area Scan (91x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.167 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.89 V/m; Power Drift = 0.086 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.163 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.89 V/m; Power Drift = 0.086 dB

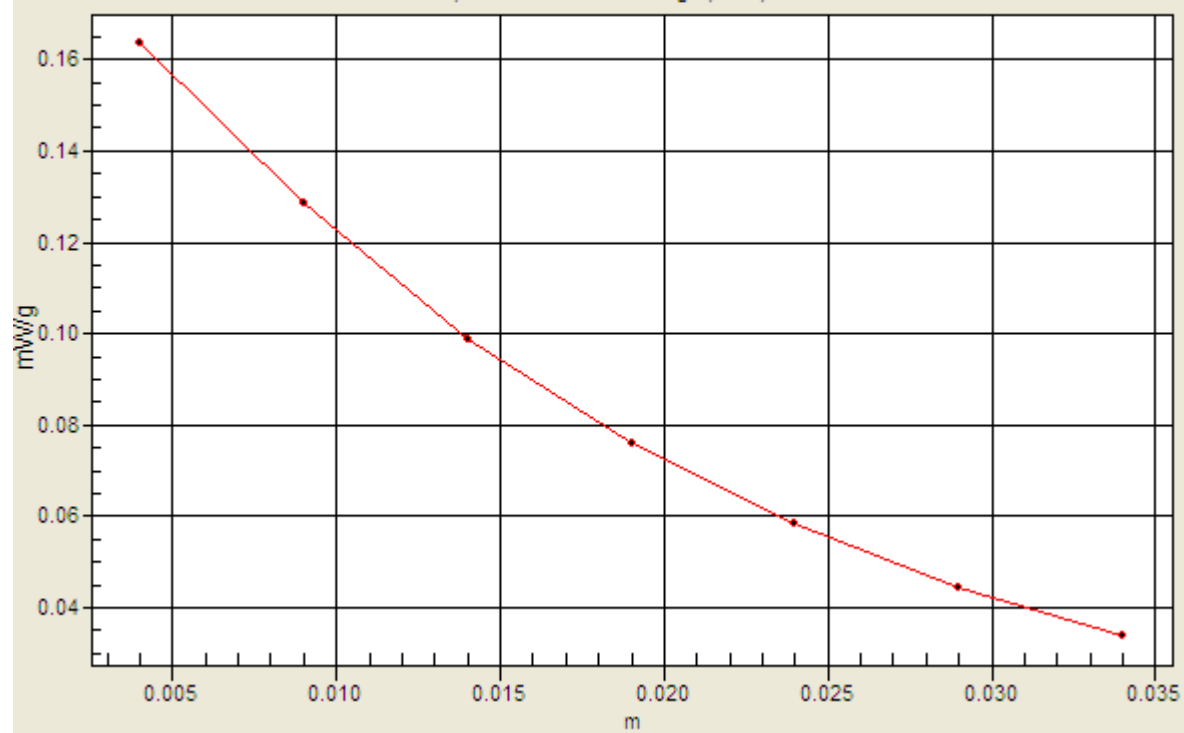
Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.109 mW/g

1g/10g Averaged SAR

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



#11 WCDMA II_RMC12.2k_Bottom_0cm_Ch9538**DUT: 052906**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_100614 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.47, 4.47, 4.47); Calibrated: 2010/5/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (51x151x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.191 mW/g

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

Reference Value = 4.86 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.176 mW/g

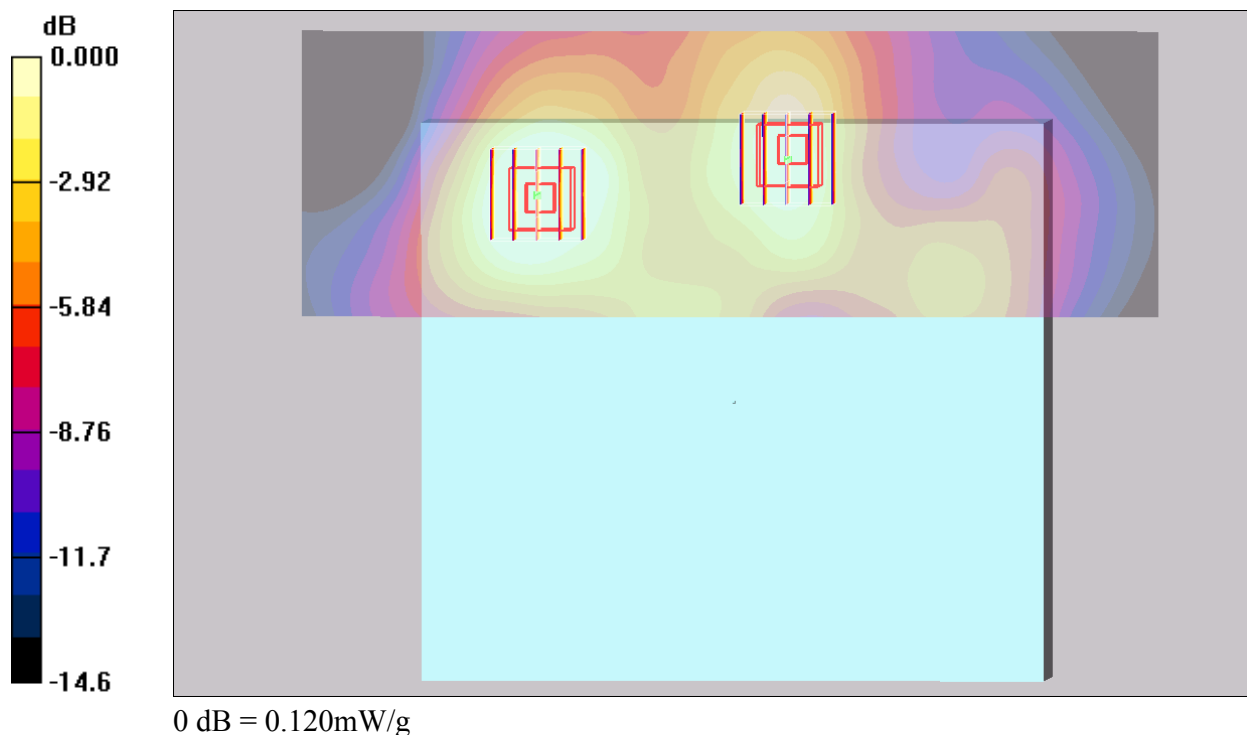
Ch9538/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.86 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.120 mW/g



#11 WCDMA II_RMC12.2k_Bottom_0cm_Ch9538_2D

DUT: 052906

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_100614 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53.2$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.47, 4.47, 4.47); Calibrated: 2010/5/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (51x151x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.191 mW/g

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

Reference Value = 4.86 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.176 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.86 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.120 mW/g

1g/10g Averaged SAR

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

