



Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#01 802.11b_Face_0 cm_Ch11_1M

DUT: 181603

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.24

Medium: MSL_2450_111101 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.027$ mho/m; $\epsilon_r =$

53.408; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.96, 3.96, 3.96); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.190 mW/g

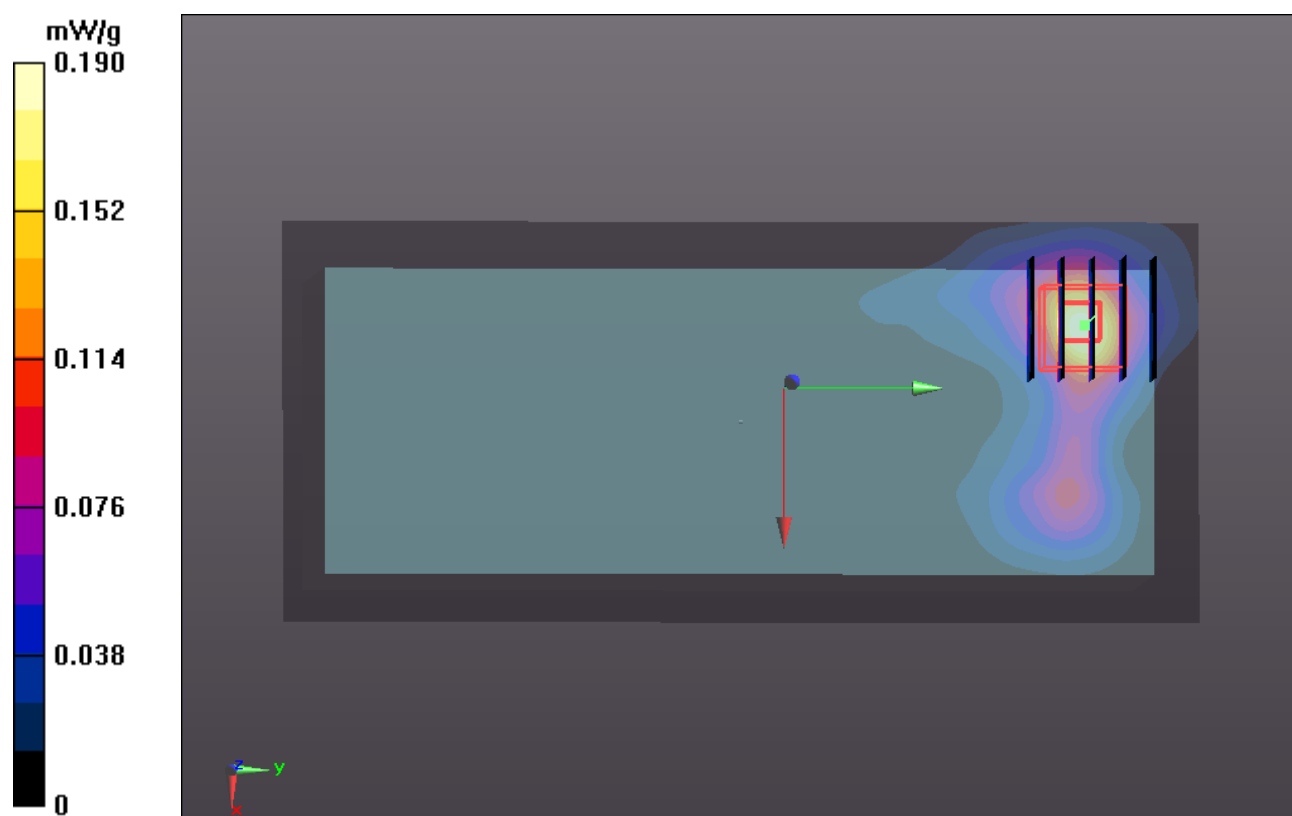
Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.249 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.224 mW/g



#01 802.11b_Face_0 cm_Ch11_1M_2D

DUT: 181603

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.24

Medium: MSL_2450_111101 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.027$ mho/m; $\epsilon_r =$

53.408; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.96, 3.96, 3.96); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.190 mW/g

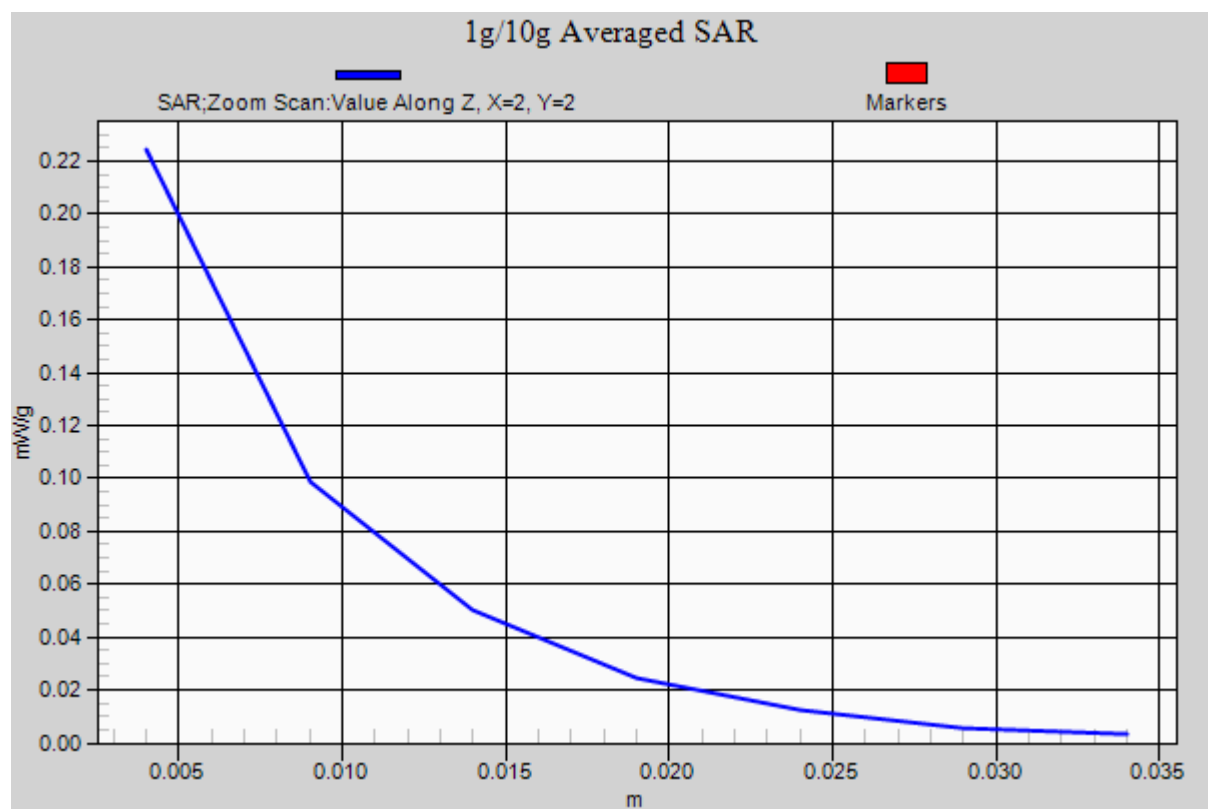
Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.249 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.224 mW/g



#02 802.11b_Bottom_0 cm_Ch11_1M

DUT: 181603

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.24

Medium: MSL_2450_111101 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.027$ mho/m; $\epsilon_r =$

53.408; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.96, 3.96, 3.96); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.014 mW/g

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

Reference Value = 0.230 V/m; Power Drift = 0.0081 dB

Peak SAR (extrapolated) = 0.032 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00484 mW/g

Maximum value of SAR (measured) = 0.017 mW/g

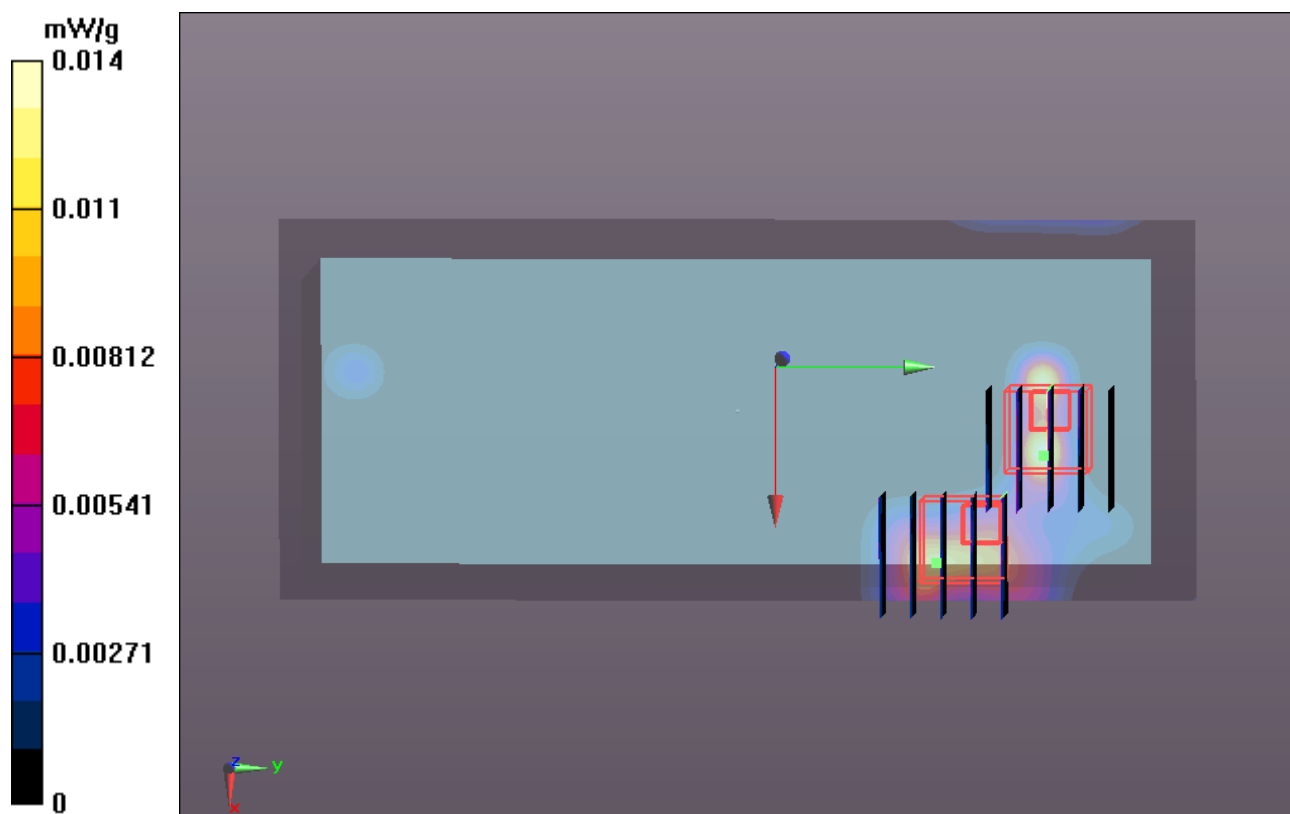
Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.230 V/m; Power Drift = 0.0081 dB

Peak SAR (extrapolated) = 0.019 W/kg

SAR(1 g) = 0.00485 mW/g; SAR(10 g) = 0.00261 mW/g

Maximum value of SAR (measured) = 0.00666 mW/g



#03 802.11b_Left Side_0cm_Ch11

DUT: 181603

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

Medium: MSL_2450_111215 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.98 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch11/Area Scan (61x121x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

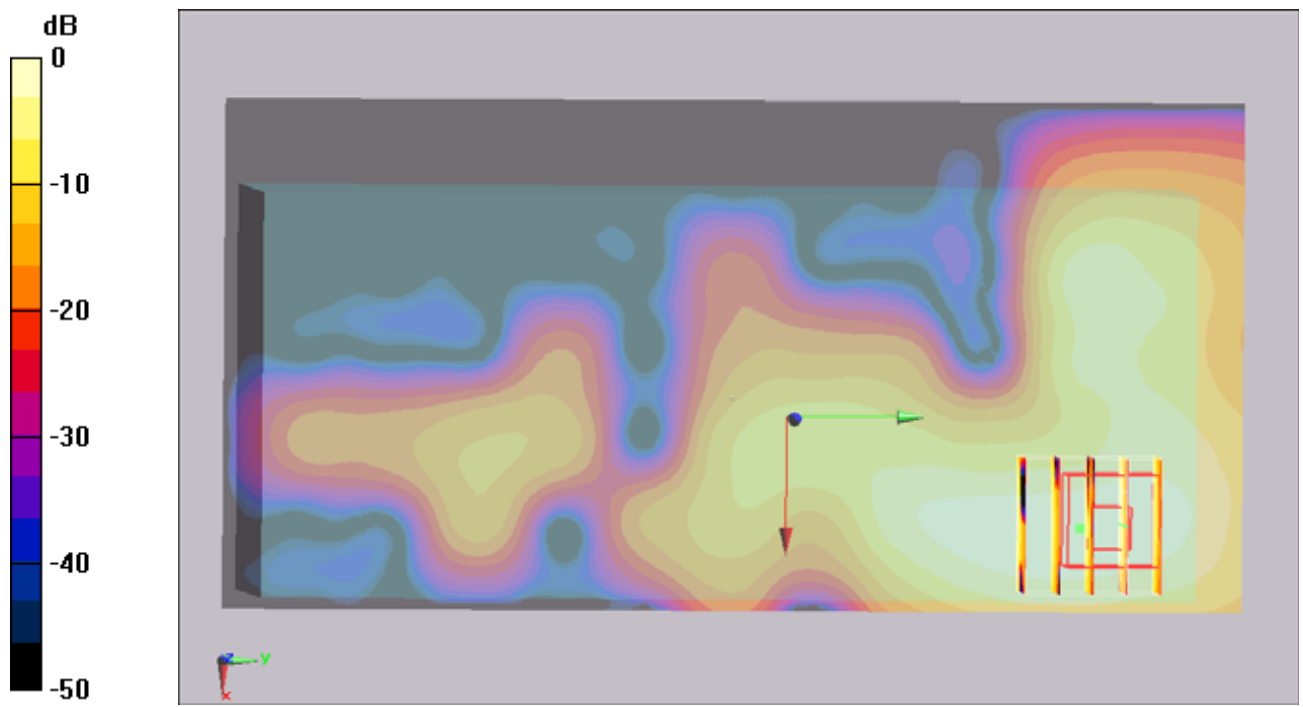
Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.55 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.107 mW/g



0 dB = 0.107mW/g

#04 802.11b_Right Side_0cm_Ch11

DUT: 181603

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

Medium: MSL_2450_111215 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.98 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch11/Area Scan (61x121x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.064 mW/g

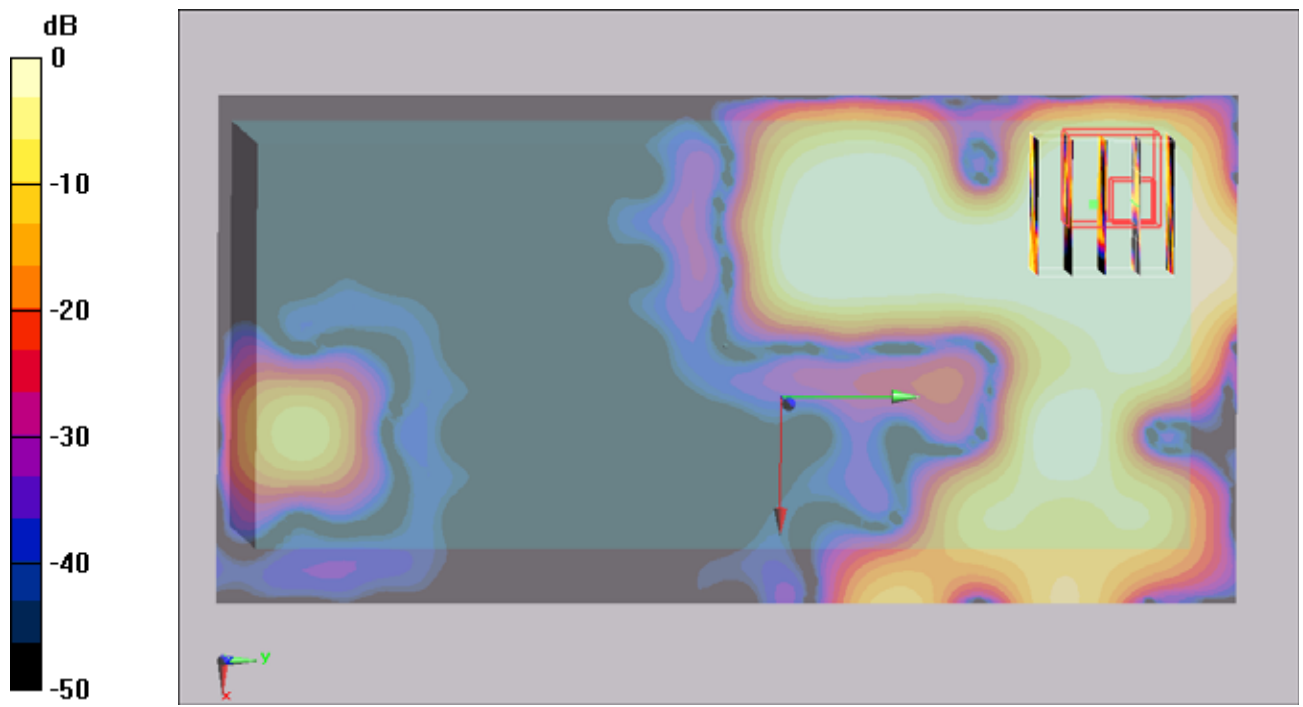
Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.222 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.012 W/kg

SAR(1 g) = 0.00194 mW/g; SAR(10 g) = 0.000399 mW/g

Maximum value of SAR (measured) = 0.007 mW/g



#01 RFID_Front_0cm_Ch50_Earphone**DUT: 1O2535-01**

Communication System: RFID; Frequency: 927.25 MHz; Duty Cycle: 1:1

Medium: MSL_900_111217 Medium parameters used : $f = 927.25$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 53.8$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.91, 8.91, 8.91); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch50/Area Scan (81x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.007 mW/g

Ch50/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.005 W/kg

SAR(1 g) = 0.00385 mW/g; SAR(10 g) = 0.00228 mW/g

Maximum value of SAR (measured) = 0.005 mW/g

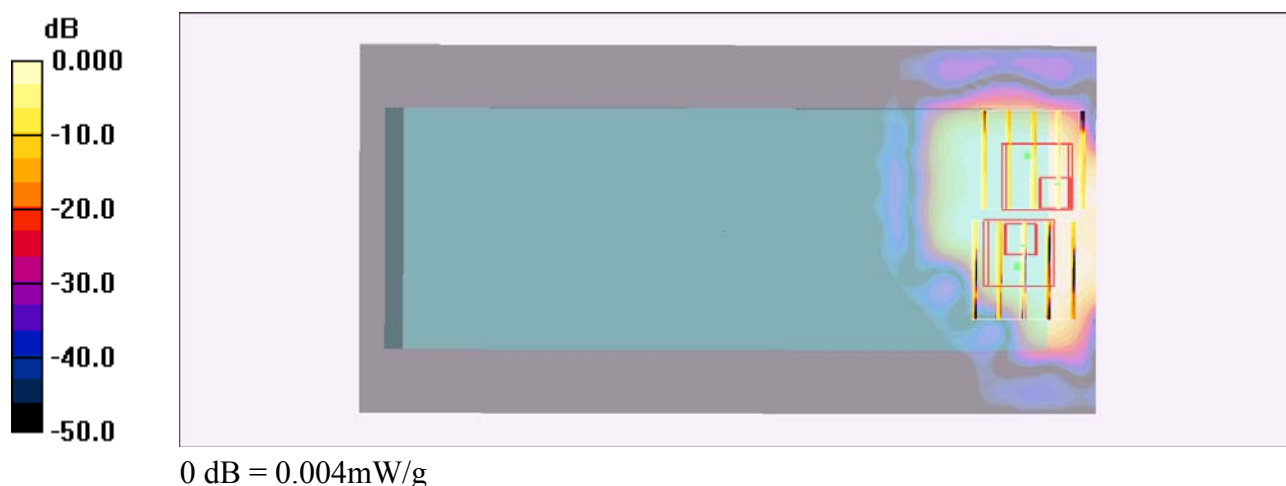
Ch50/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.005 W/kg

SAR(1 g) = 0.00307 mW/g; SAR(10 g) = 0.00139 mW/g

Maximum value of SAR (measured) = 0.004 mW/g



#02 RFID_Back_0cm_Ch50_Earphone**DUT: 1O2535-01**

Communication System: RFID; Frequency: 927.25 MHz; Duty Cycle: 1:1

Medium: MSL_900_111217 Medium parameters used : $f = 927.25$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 53.8$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.91, 8.91, 8.91); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch50/Area Scan (81x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.105 mW/g

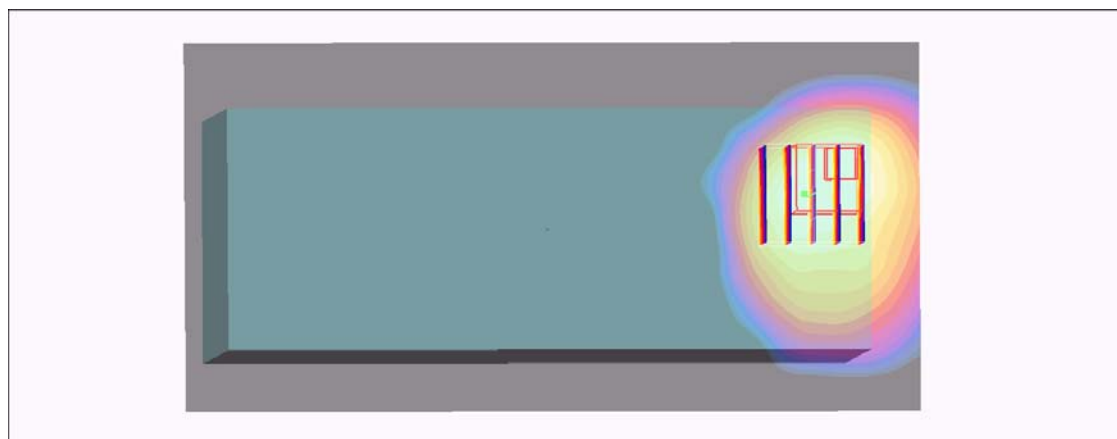
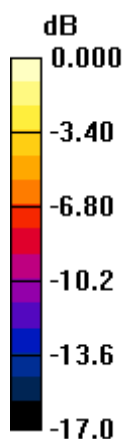
Ch50/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.095 mW/g



0 dB = 0.095mW/g

#02 RFID_Back_0cm_Ch50_Earphone_2D**DUT: 1O2535-01**

Communication System: RFID; Frequency: 927.25 MHz; Duty Cycle: 1:1

Medium: MSL_900_111217 Medium parameters used : $f = 927.25$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 53.8$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.91, 8.91, 8.91); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch50/Area Scan (81x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.105 mW/g

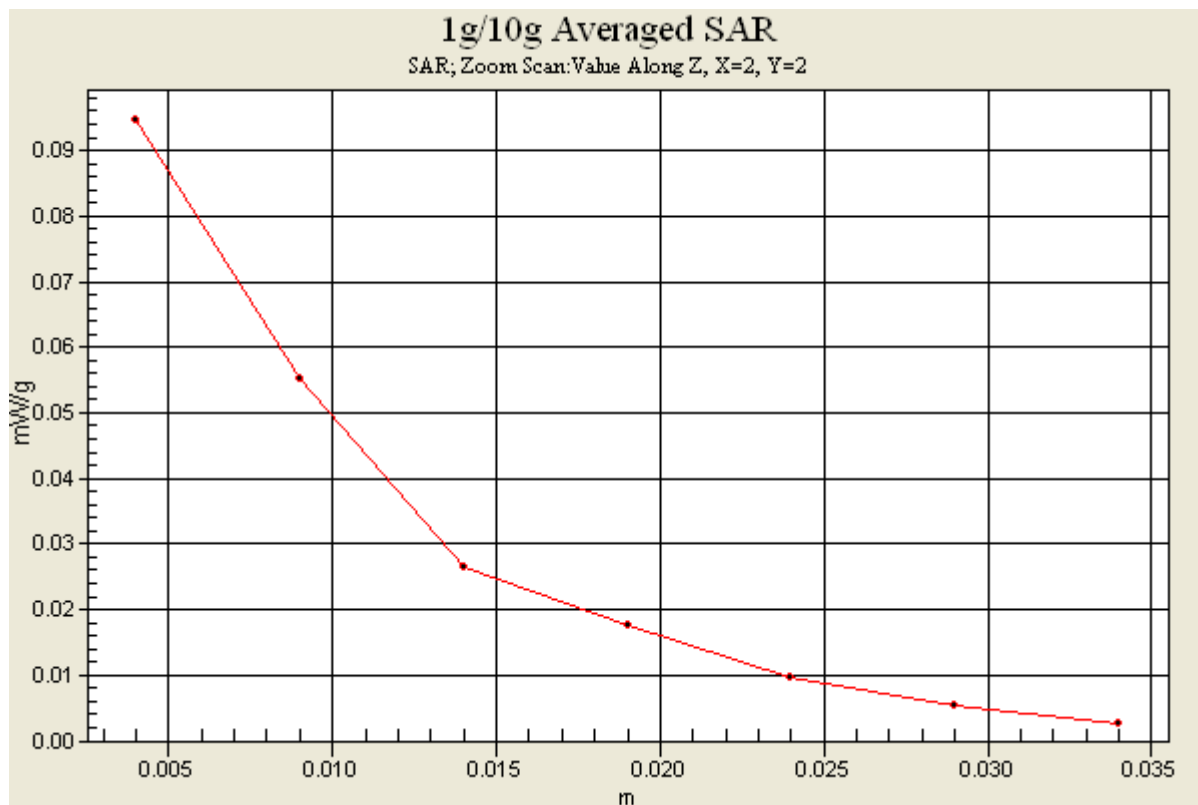
Ch50/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.095 mW/g



#03 RFID_Left Side_0cm_Ch50_Handle**DUT: 1O2535-01**

Communication System: RFID; Frequency: 927.25 MHz; Duty Cycle: 1:1

Medium: MSL_900_111217 Medium parameters used : $f = 927.25$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 53.8$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.91, 8.91, 8.91); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch50/Area Scan (111x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.023 mW/g

Ch50/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.57 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.041 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.024 mW/g

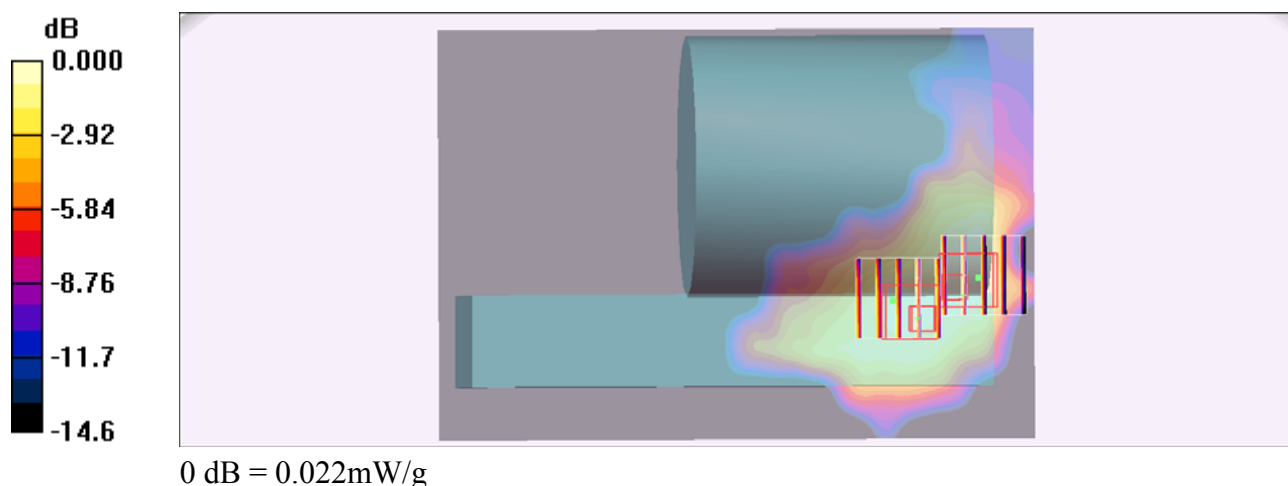
Ch50/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.57 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.030 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.022 mW/g



#04 RFID_Right Side_0cm_Ch50_Earphone_Handle**DUT: 1O2535-01**

Communication System: RFID; Frequency: 927.25 MHz; Duty Cycle: 1:1

Medium: MSL_900_111217 Medium parameters used : $f = 927.25$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 53.8$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.91, 8.91, 8.91); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch50/Area Scan (111x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.031 mW/g

Ch50/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.995 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.019 mW/g

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

Ch50/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.995 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.040 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.031 mW/g

