



香港商立德國際商品試驗有限公司桃園分公司

Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Appendix A: TEST DATA

Liquid Level Photo

Tissue 2450MHz D=150mm



Tissue 5GHz D=150mm



System Performance Check-D2450V2-HSL2450

DUT: Dipole 2450 MHz D2450V2 ; Type: D2450V2 ; Serial: D2450V2 - SN:716 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: HSL2450; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 40.01$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feet point of the dipole to the Phantom) Air temp. : 22.5 degrees ; Liquid temp. : 21.6 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.1, 7.1, 7.1); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 20.850 mW/g

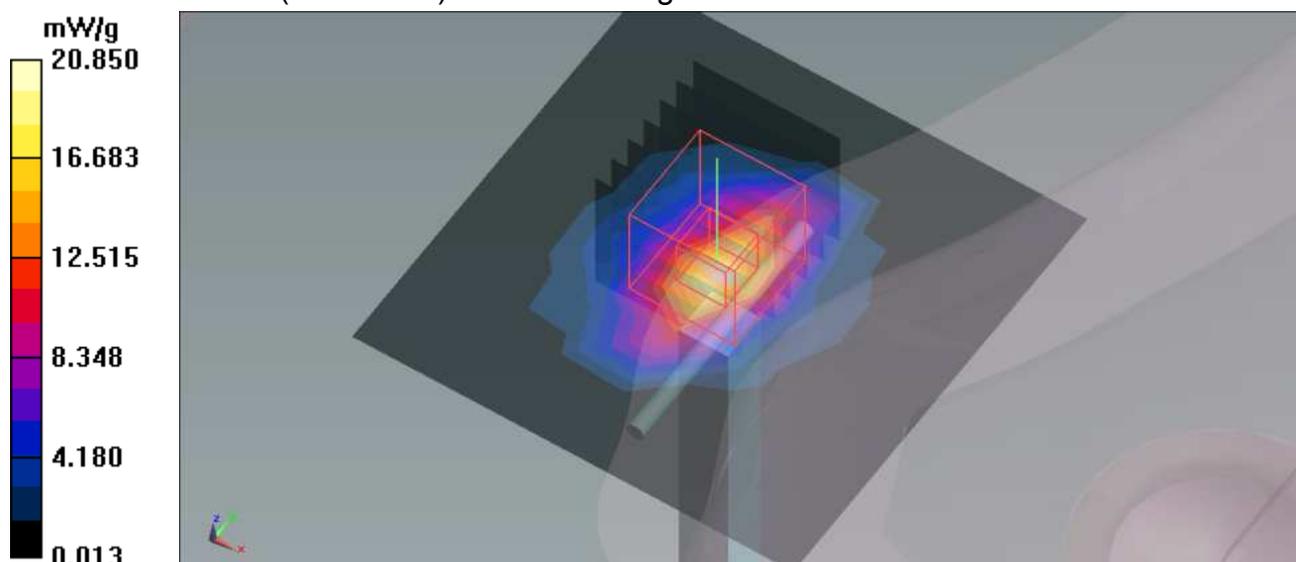
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 109.1 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 30.706 W/kg

SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.39 mW/g

Maximum value of SAR (measured) = 15.646 mW/g



SystemPerformanceCheck-D2450V2-HSL2450

DUT: Dipole 2450 MHz D2450V2 ; Type: D2450V2 ; Serial: D2450V2 - SN:716 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW

Medium: HSL2450;Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.79 \text{ mho/m}$; $\epsilon_r = 39.45$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air

temp. : 22.2 degrees ; Liquid temp. : 22.7 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.1, 7.1, 7.1); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=2.0mm

(EX-Probe)/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 21.262 mW/g

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=2.0mm

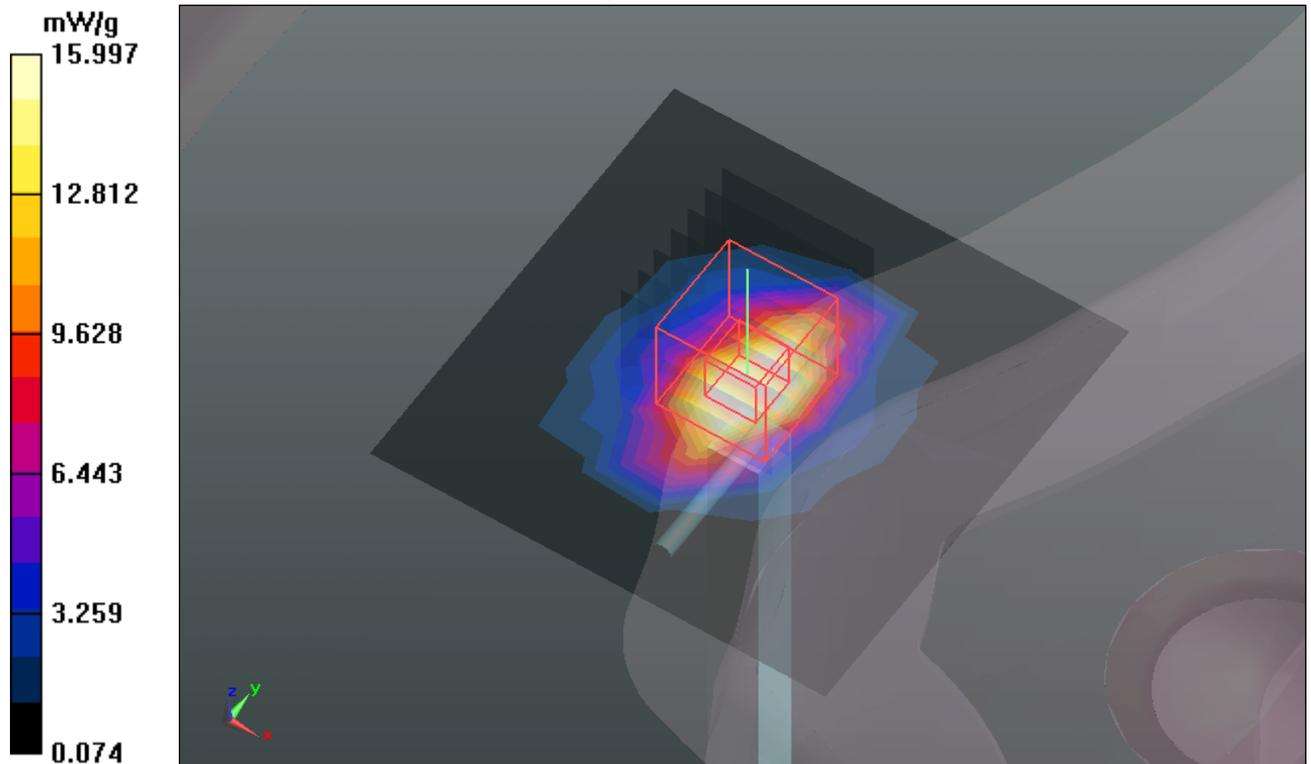
(EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 109.0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 31.398 W/kg

SAR(1 g) = 14.1 mW/g; SAR(10 g) = 6.3 mW/g

Maximum value of SAR (measured) = 15.997 mW/g



System Performance Check-D2450V2-MSL2450

DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: D2450V2 - SN:716 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL2450; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53.93$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feet point of the dipole to the Phantom) Air temp. : 22.7 degrees ; Liquid temp. : 21.4 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.05, 7.05, 7.05); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 18.606 mW/g

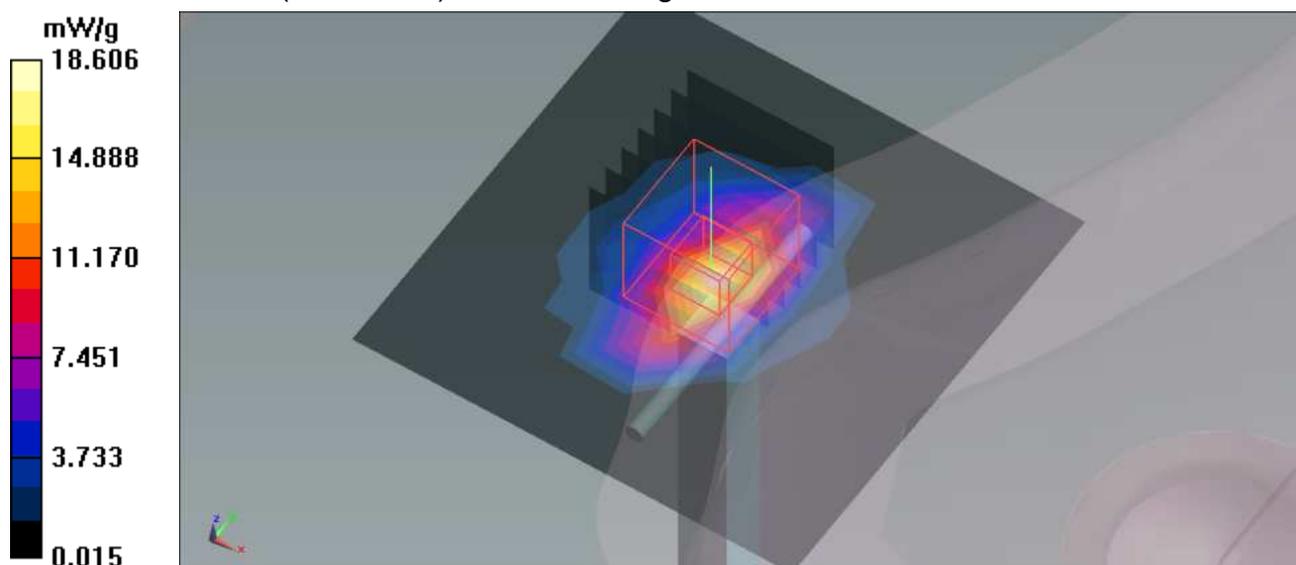
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.316 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 25.717 W/kg

SAR(1 g) = 12.4 mW/g; SAR(10 g) = 5.76 mW/g

Maximum value of SAR (measured) = 14.383 mW/g



SystemPerformanceCheck-D2450V2-MSL2450

DUT: Dipole 2450 MHz D2450V2 ; Type: D2450V2 ; Serial: D2450V2 - SN:716 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW

Medium: MSL2450;Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.86 \text{ mho/m}$; $\epsilon_r = 53.41$; $\rho = 1000 \text{ kg/m}^3$;
Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22 degrees ; Liquid temp. : 22.4 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.05, 7.05, 7.05); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 20.025 mW/g

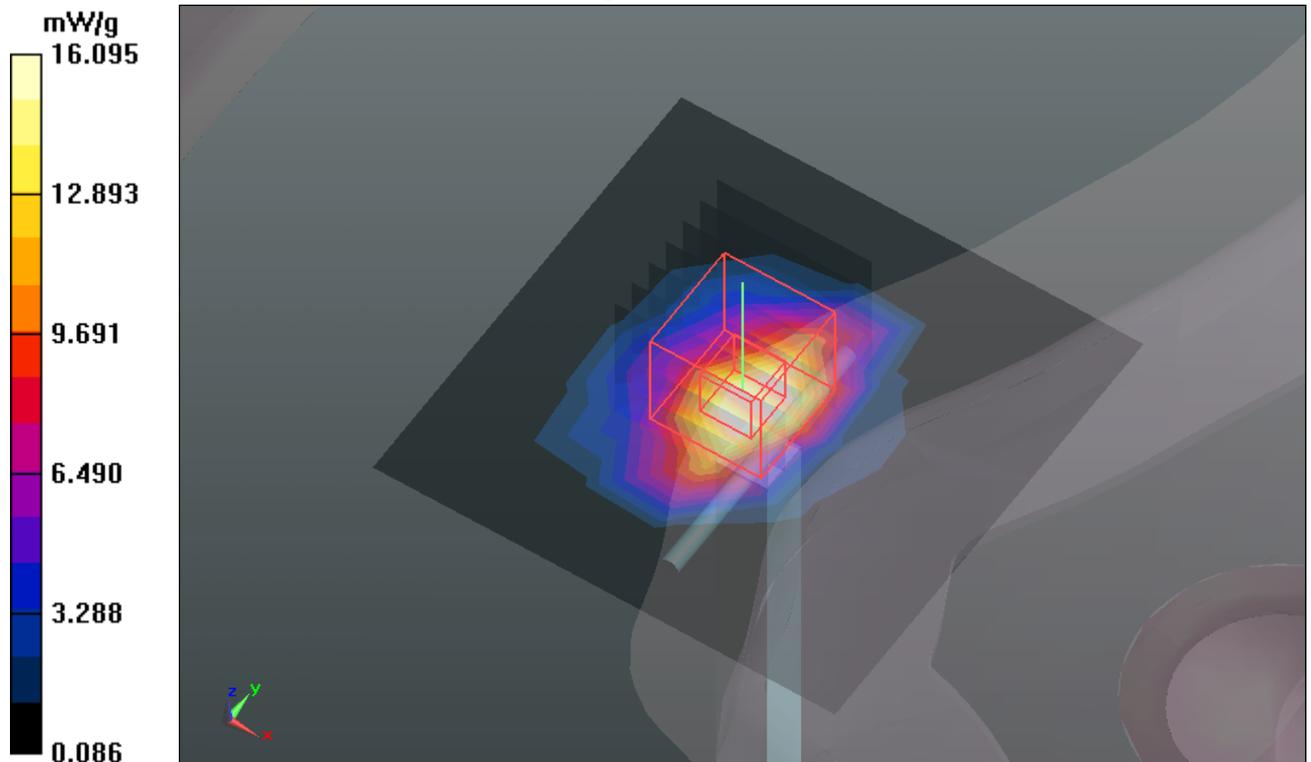
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 101.9 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 30.857 W/kg

SAR(1 g) = 14.1 mW/g; SAR(10 g) = 6.35 mW/g

Maximum value of SAR (measured) = 16.095 mW/g



System Performance Check-D5GHz-uniform HSL 5200

DUT: Dipole D5 GHzV2 ; Type: D5 GHzV2 ; Serial: D5 GHzV2 - SN:1019 ; Test Frequency: 5200 MHz

Communication System: CW-5GHz ; Frequency: 5200 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: HSL5800; Medium parameters used: $f = 5200$ MHz; $\sigma = 4.53$ mho/m; $\epsilon_r = 37.21$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

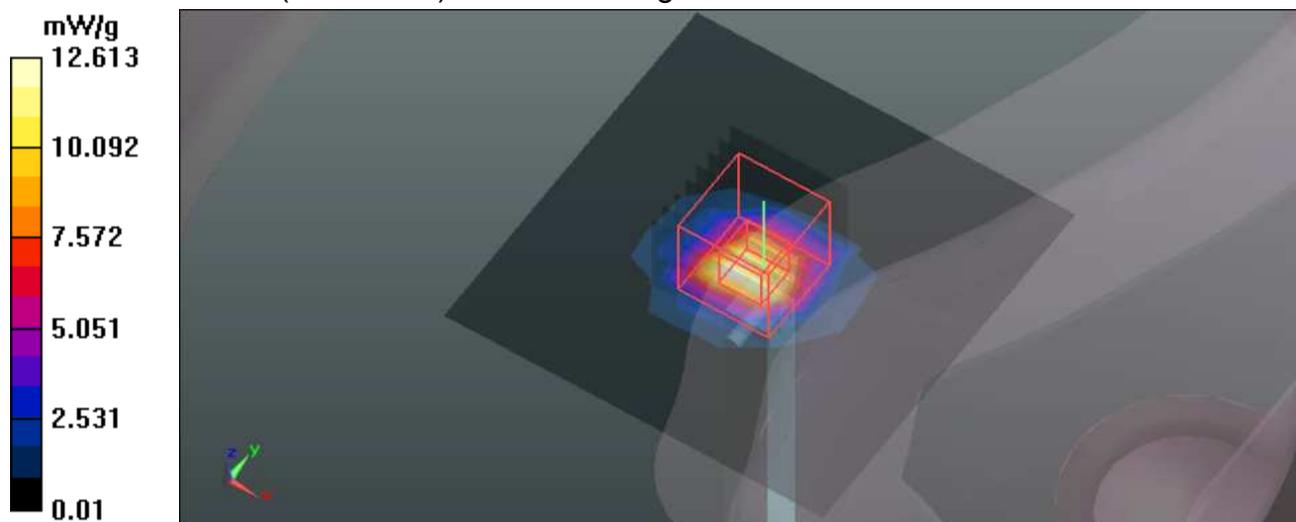
Phantom section: Flat Section ; Separation distance : 10 mm (The feet point of the dipole to the Phantom) Air temp. : 23.2 degrees ; Liquid temp. : 22.1 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.69, 4.69, 4.69); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm, Pin=100mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 12.613 mW/g

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm, Pin=100mW, f=5200 MHz/Zoom Scan (4x4x2.5mm), dist=2mm (8x8x10)/Cube 0:
 Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 64.237 V/m; Power Drift = -0.11 dB
 Peak SAR (extrapolated) = 33.706 W/kg
SAR(1 g) = 8.53 mW/g; SAR(10 g) = 2.41mW/g
 Maximum value of SAR (measured) = 16.745 mW/g



System Performance Check-D5GHz-uniform MSL5200 MHz

DUT: Dipole D5 GHzV2 ; Type: D5 GHzV2 ; Serial: D5 GHzV2 - SN:1019 ; Test Frequency: 5200 MHz

Communication System: CW-5GHz; Frequency: 5200 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL5800; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.32$ mho/m; $\epsilon_r = 50.66$; $\rho = 1000$ kg/m³; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feet point of the dipole to the Phantom) Air temp. : 22.9 degrees ; Liquid temp. : 21.8 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.25, 4.25, 4.25); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm, Pin=100mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 12.165 mW/g

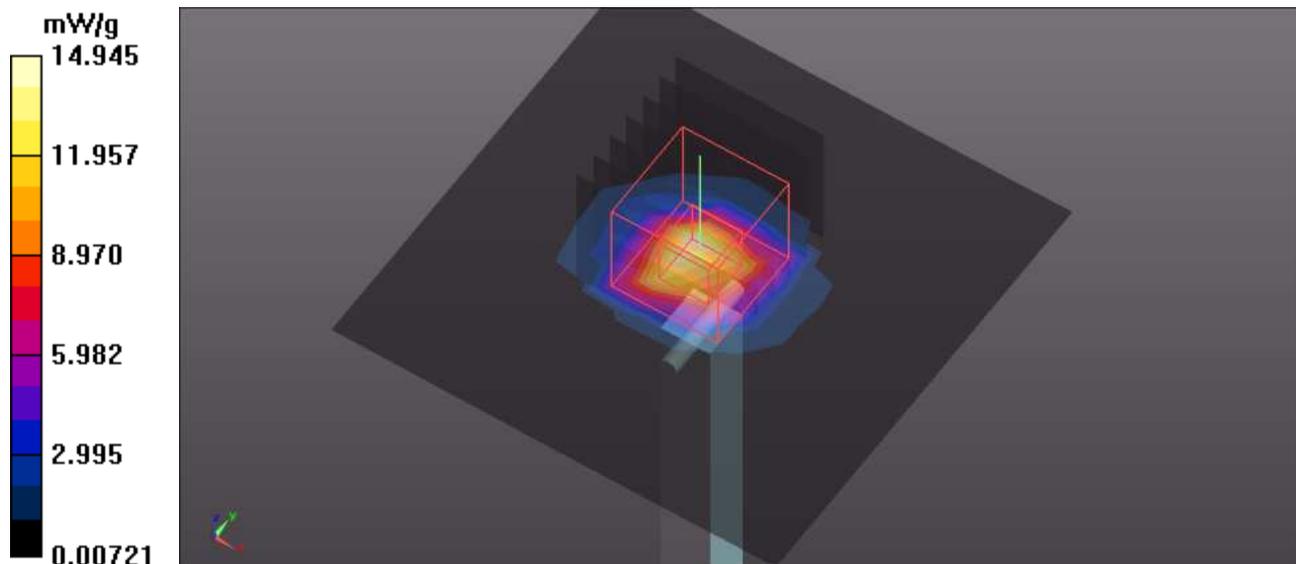
System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm, Pin=100mW, f=5200 MHz/Zoom Scan (4x4x2.5mm), dist=2mm (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 57.548 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 31.891 W/kg

SAR(1 g) = 7.62 mW/g; SAR(10 g) = 2.11 mW/g

Maximum value of SAR (measured) = 14.945 mW/g



System Performance Check-D5GHz-uniform HSL 5500

DUT: Dipole D5 GHzV2 ; Type: D5 GHzV2 ; Serial: D5 GHzV2 - SN:1019 ; Test Frequency: 5500 MHz

Communication System: CW-5GHz ; Frequency: 5500 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: HSL5800; Medium parameters used: $f = 5500 \text{ MHz}$; $\sigma = 4.89 \text{ mho/m}$; $\epsilon_r = 36.76$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150 mm

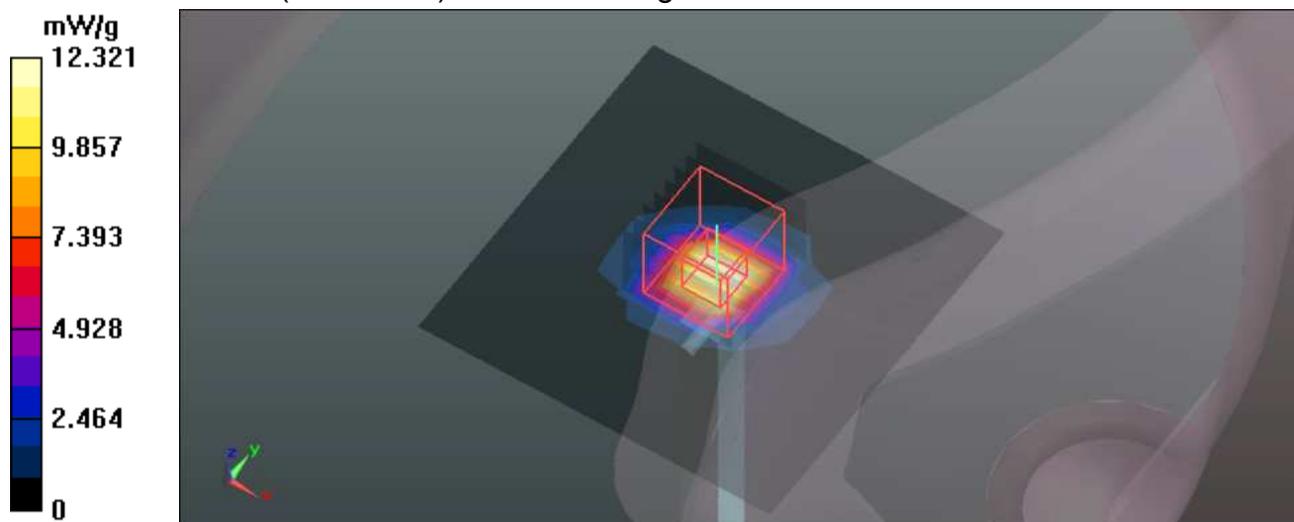
Phantom section: Flat Section ; Separation distance : 10 mm (The feet point of the dipole to the Phantom) Air temp. : 23.2 degrees ; Liquid temp. : 22.1 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.42, 4.42, 4.42); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm, Pin=100mW, f=5500 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 12.321 mW/g

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm, Pin=100mW, f=5500 MHz/Zoom Scan (4x4x2.5mm), dist=2mm (8x8x10)/Cube 0:
 Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 67.501 V/m; Power Drift = -0.08 dB
 Peak SAR (extrapolated) = 36.535 W/kg
SAR(1 g) = 9.12 mW/g; SAR(10 g) = 2.55 mW/g
 Maximum value of SAR (measured) = 17.742 mW/g



System Performance Check-D5GHz-uniform MSL5500 MHz

DUT: Dipole D5 GHzV2 ; Type: D5 GHzV2 ; Serial: D5 GHzV2 - SN:1019 ; Test Frequency: 5500 MHz

Communication System: CW-5GHz ; Frequency: 5500 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL5800; Medium parameters used: $f = 5500$ MHz; $\sigma = 5.76$ mho/m; $\epsilon_r = 50.09$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feet point of the dipole to the Phantom) Air temp. : 22.9 degrees ; Liquid temp. : 21.8 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm,

Pin=100mW, f=5500 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 14.255 mW/g

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm,

Pin=100mW, f=5500 MHz/Zoom Scan (4x4x2.5mm), dist=2mm (8x8x10)/Cube 0:

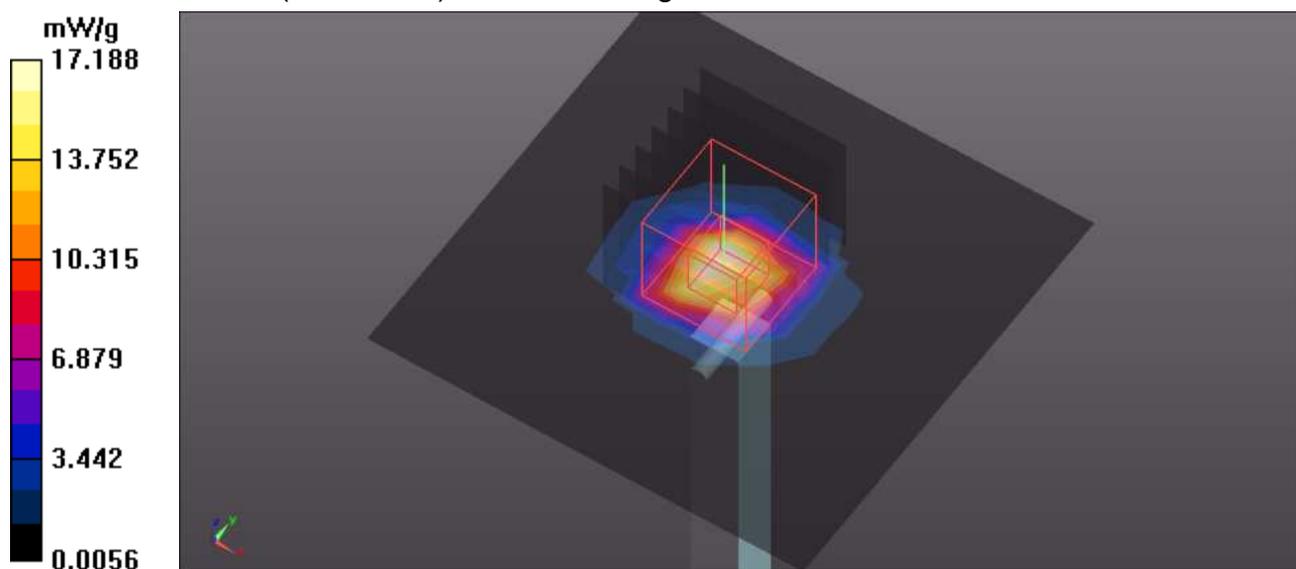
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 58.467 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 37.287 W/kg

SAR(1 g) = 8.61 mW/g; SAR(10 g) = 2.35 mW/g

Maximum value of SAR (measured) = 17.188 mW/g



System Performance Check-D5GHz-uniform HSL 5800

DUT: Dipole D5 GHzV2 ; Type: D5 GHzV2 ; Serial: D5 GHzV2 - SN:1019 ; Test Frequency: 5800 MHz

Communication System: CW-5GHz ; Frequency: 5800 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: HSL5800; Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.26 \text{ mho/m}$; $\epsilon_r = 36.22$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feet point of the dipole to the Phantom) Air temp. : 23.2 degrees ; Liquid temp. : 22.1 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.27, 4.27, 4.27); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm,

Pin=100mW, f=5800 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 11.434 mW/g

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm,

Pin=100mW, f=5800 MHz/Zoom Scan (4x4x2.5mm), dist=2mm (8x8x10)/Cube 0:

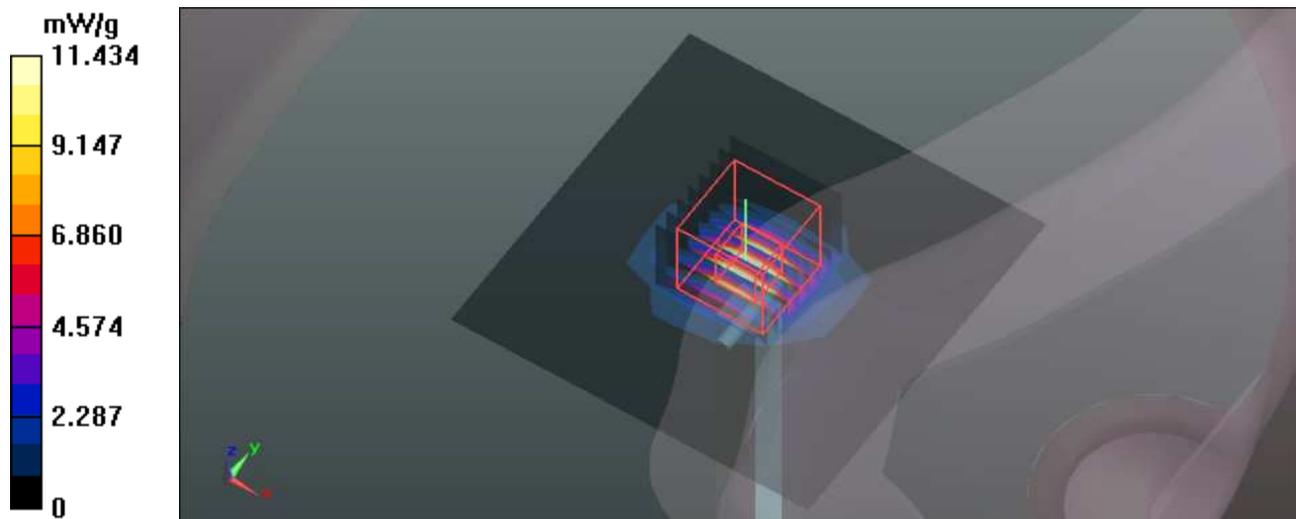
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 60.601 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 37.337 W/kg

SAR(1 g) = 8.87 mW/g; SAR(10 g) = 2.49 mW/g

Maximum value of SAR (measured) = 17.643 mW/g



System Performance Check-D5GHz-uniform MSL5800 MHz

DUT: Dipole D5 GHzV2 ; Type: D5 GHzV2 ; Serial: D5 GHzV2 - SN:1019 ; Test Frequency: 5800 MHz

Communication System: CW-5GHz ; Frequency: 5800 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL5800; Medium parameters used: $f = 5800$ MHz; $\sigma = 6.21$ mho/m; $\epsilon_r = 49.47$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feet point of the dipole to the Phantom) Air temp. : 22.9 degrees ; Liquid temp. : 21.8 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.86, 3.86, 3.86); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm,

Pin=100mW, f=5800 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 12.995 mW/g

System Performance Check with D5GHzV2 Dipole (uniform grid)/d=10mm,

Pin=100mW, f=5800 MHz/Zoom Scan (4x4x2.5mm), dist=2mm (8x8x10)/Cube 0:

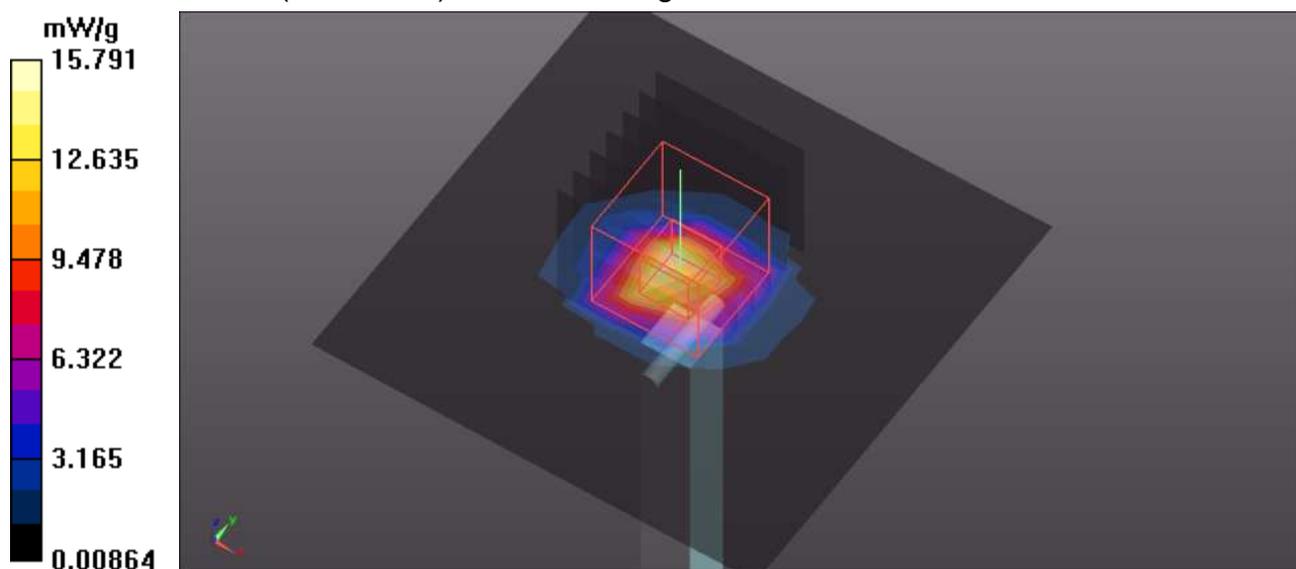
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 53.958 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 33.501 W/kg

SAR(1 g) = 7.64 mW/g; SAR(10 g) = 2.07 mW/g

Maximum value of SAR (measured) = 15.791 mW/g



P138_11b_DBPSK_Right Head Cheek_Ch6_Standard 1

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.81$ mho/m; $\epsilon_r = 40.16$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: DBPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.1, 7.1, 7.1); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Touch Position - Mid/Area Scan (8x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.111 mW/g

Right-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement

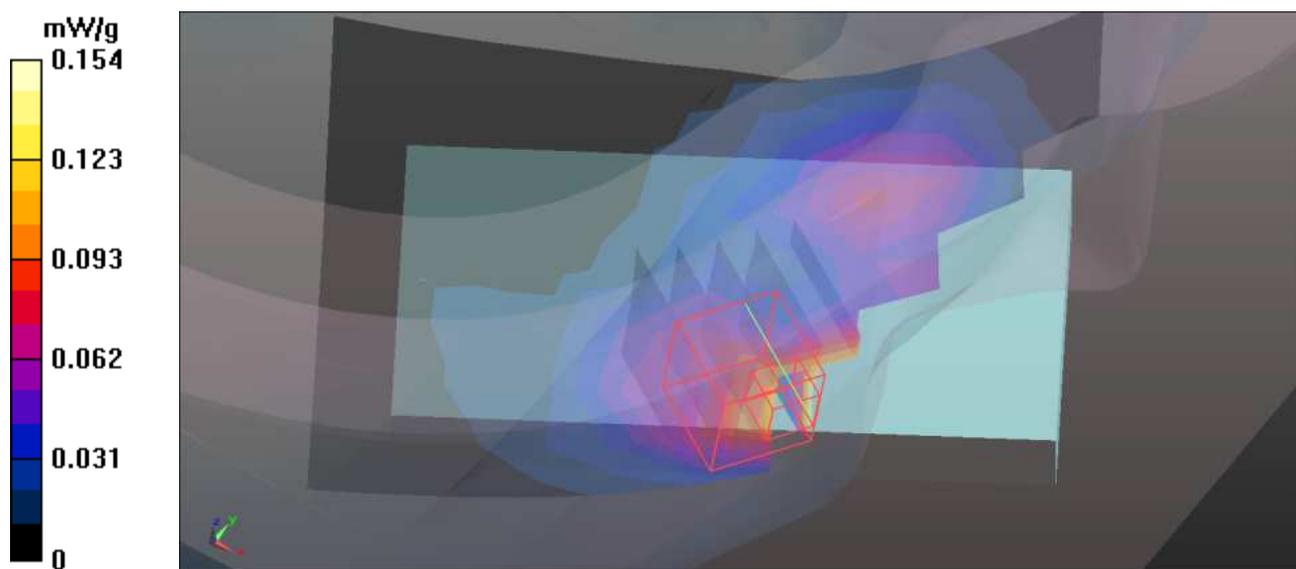
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.456 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.154 mW/g



P139_11b_DBPSK_Right Head Tilt_Ch6_Standard 1

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.81$ mho/m; $\epsilon_r = 40.16$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: DBPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.1, 7.1, 7.1); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Tilt Position - Mid/Area Scan (8x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.061 mW/g

Right-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

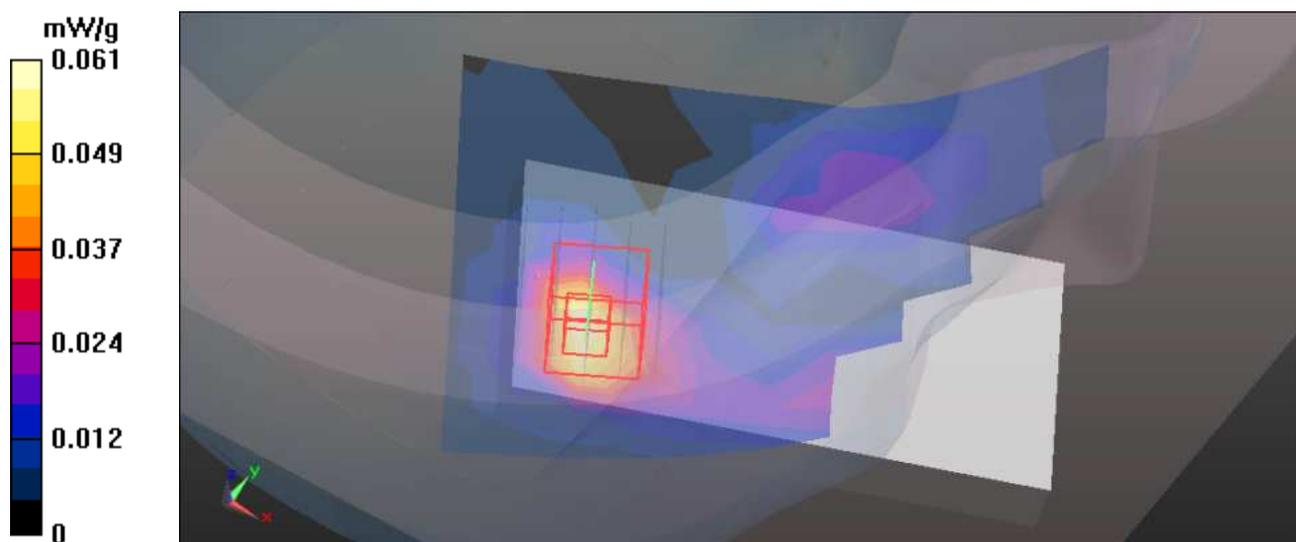
$dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.948 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.094 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.071 mW/g



P140_11b_DBPSK_Left Head Cheek_Ch6_Standard 1

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.81$ mho/m; $\epsilon_r = 40.16$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: DBPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.1, 7.1, 7.1); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Touch Position - Mid/Area Scan (8x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.319 mW/g

Left-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement

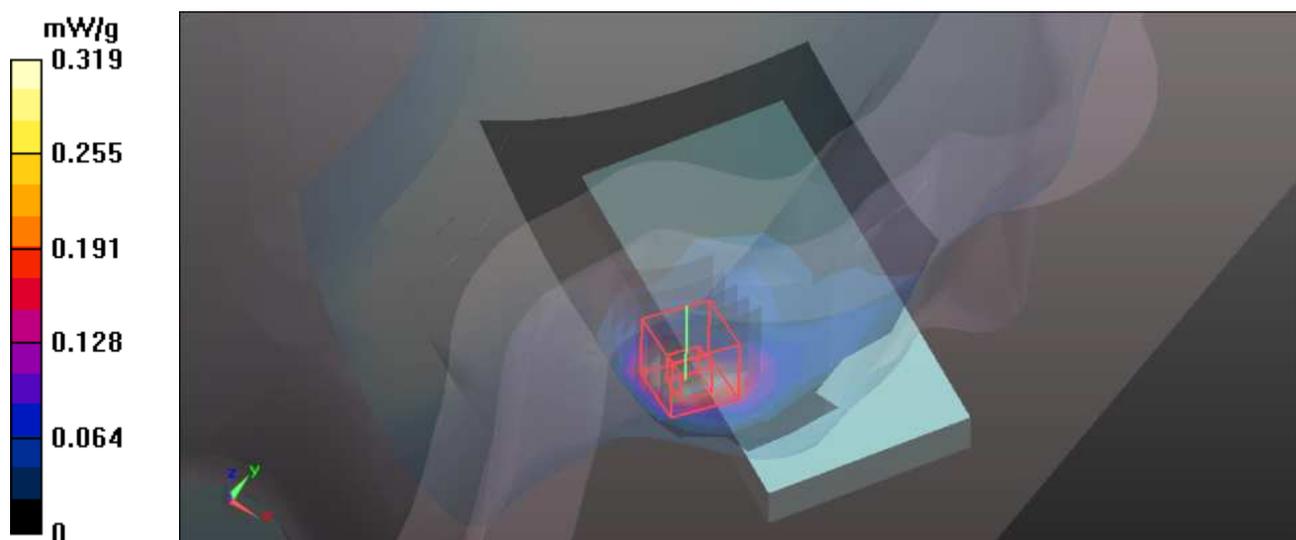
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.364 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.648 W/kg

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.146 mW/g

Maximum value of SAR (measured) = 0.481 mW/g



P141_11b_DBPSK_Left Head Tilt_Ch6_Standard 1

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.81$ mho/m; $\epsilon_r = 40.16$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: DBPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.1, 7.1, 7.1); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Tilt Position - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.045 mW/g

Left-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.095 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.049 mW/g

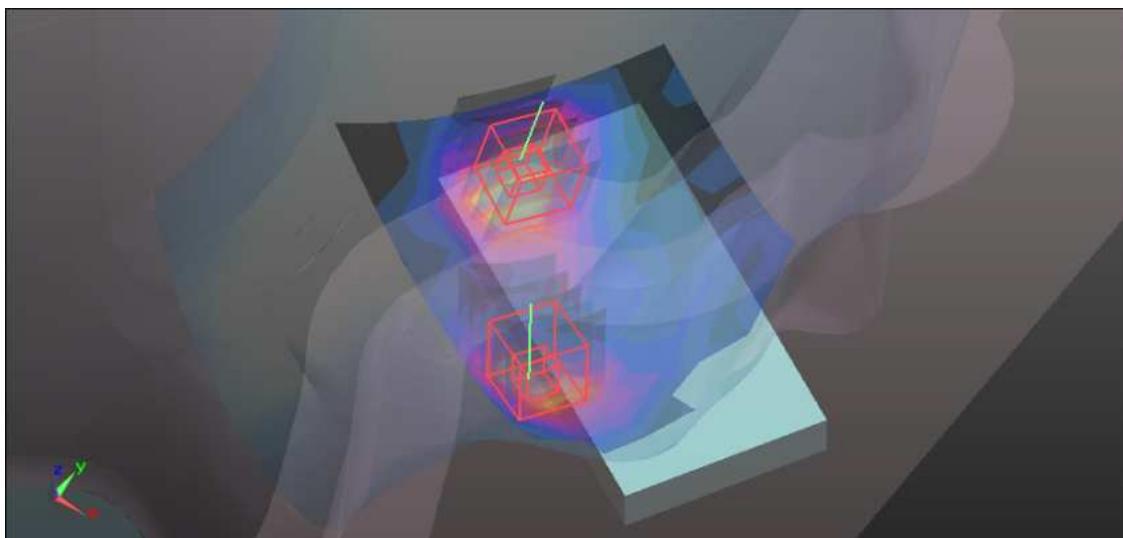
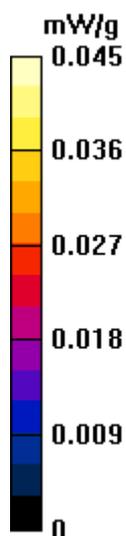
Left-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.095 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.052 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.042 mW/g



P146_11b_DBPSK_Left Head Cheek_Ch6_Extended

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.81$ mho/m; $\epsilon_r = 40.16$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: DBPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.1, 7.1, 7.1); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Touch Position - Mid/Area Scan (8x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.289 mW/g

Left-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement

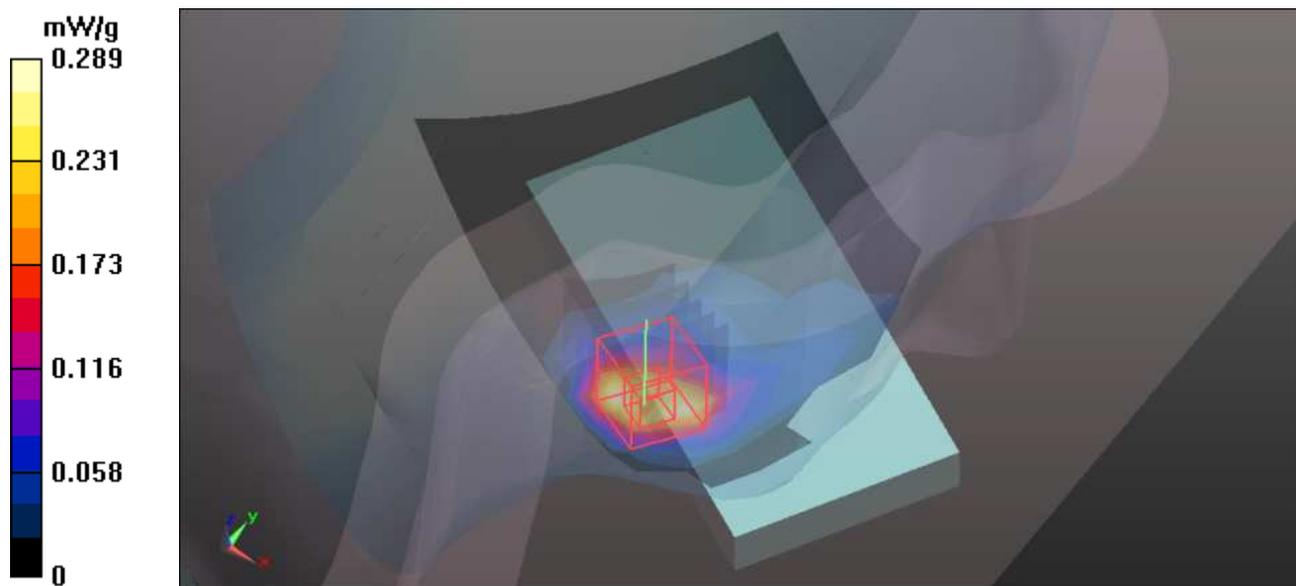
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.230 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.557 W/kg

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 0.445 mW/g



P112_11a_BPSK_Right Head-Cheek_Ch48_Standard 1

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.58$ mho/m; $\epsilon_r = 37.16$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.69, 4.69, 4.69); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Touch Position - Ch48/Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.121 mW/g

Right-Hand-Side HSL/Touch Position - Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.708 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.101 mW/g

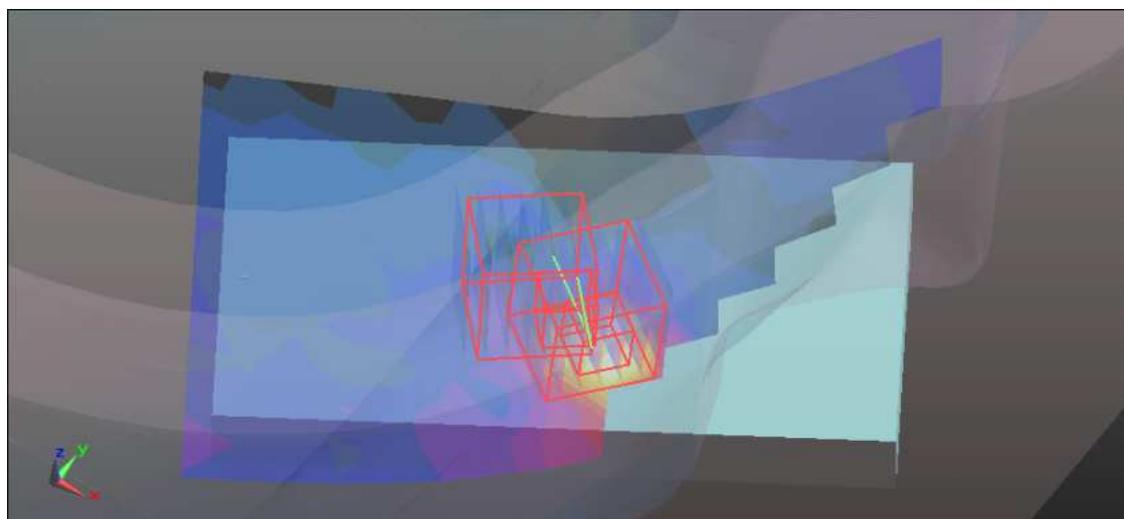
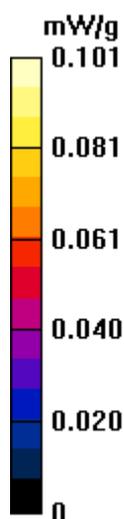
Right-Hand-Side HSL/Touch Position - Ch48/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.708 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.00789 mW/g

Maximum value of SAR (measured) = 0.100 mW/g



P113_11a_BPSK_Right Head-Cheek_Ch52_Standard 1

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 4.6$ mho/m; $\epsilon_r = 37.13$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.33, 4.33, 4.33); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Touch Position - Ch52/Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.143 mW/g

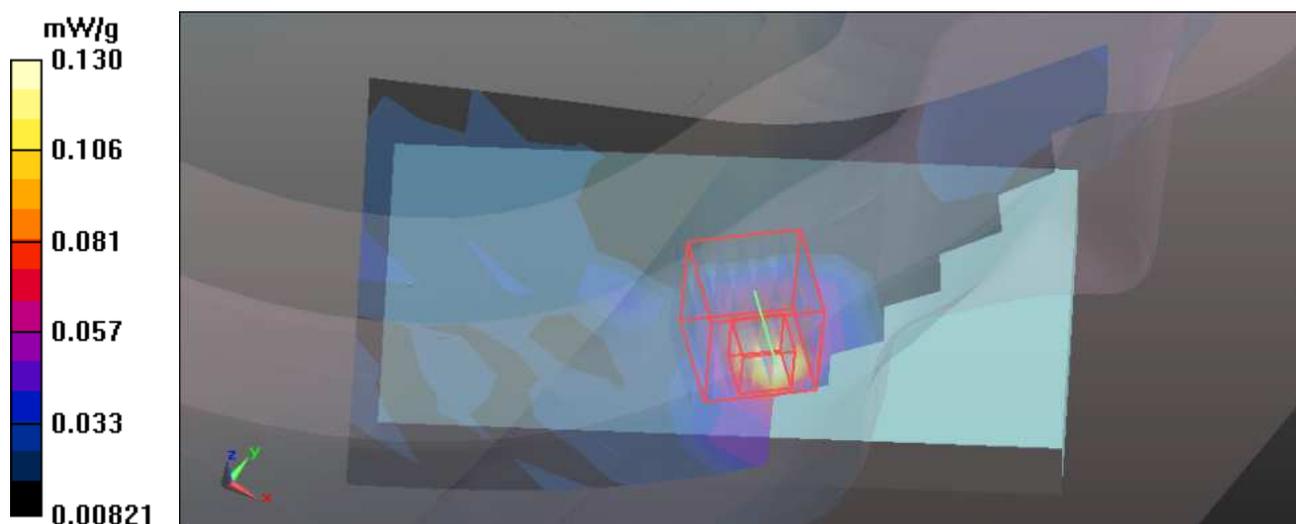
Right-Hand-Side HSL/Touch Position - Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.016 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.130 mW/g



P114_11a_BPSK_Right Head-Cheek_Ch116_Standard 1

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 4.99$ mho/m; $\epsilon_r = 36.59$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Touch Position - Ch116/Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm

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

Right-Hand-Side HSL/Touch Position - Ch116/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.510 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.086 mW/g

Right-Hand-Side HSL/Touch Position - Ch116/Zoom Scan (7x7x9)/Cube 1:

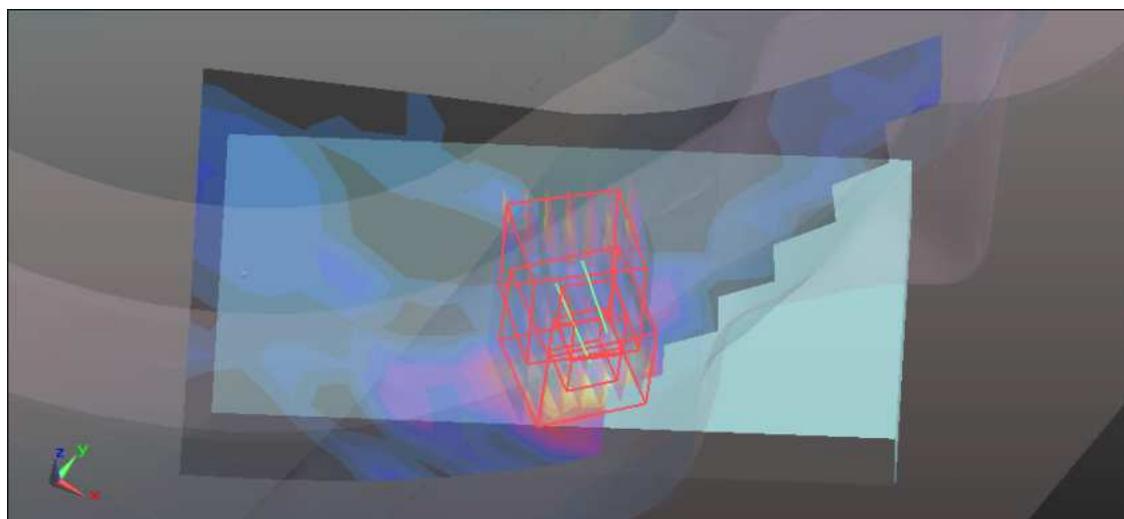
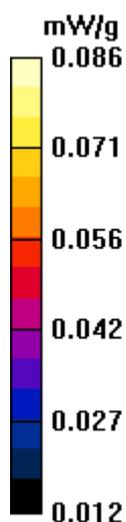
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.510 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.076 mW/g



P148_11a_BPSK_Right Head Cheek_Ch149_Standard 1

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.18$ mho/m; $\epsilon_r = 36.31$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.27, 4.27, 4.27); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Touch Position - Ch149/Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.071 mW/g

Right-Hand-Side HSL/Touch Position - Ch149/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.299 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.00763 mW/g

Maximum value of SAR (measured) = 0.073 mW/g

Right-Hand-Side HSL/Touch Position - Ch149/Zoom Scan (7x7x9)/Cube 1:

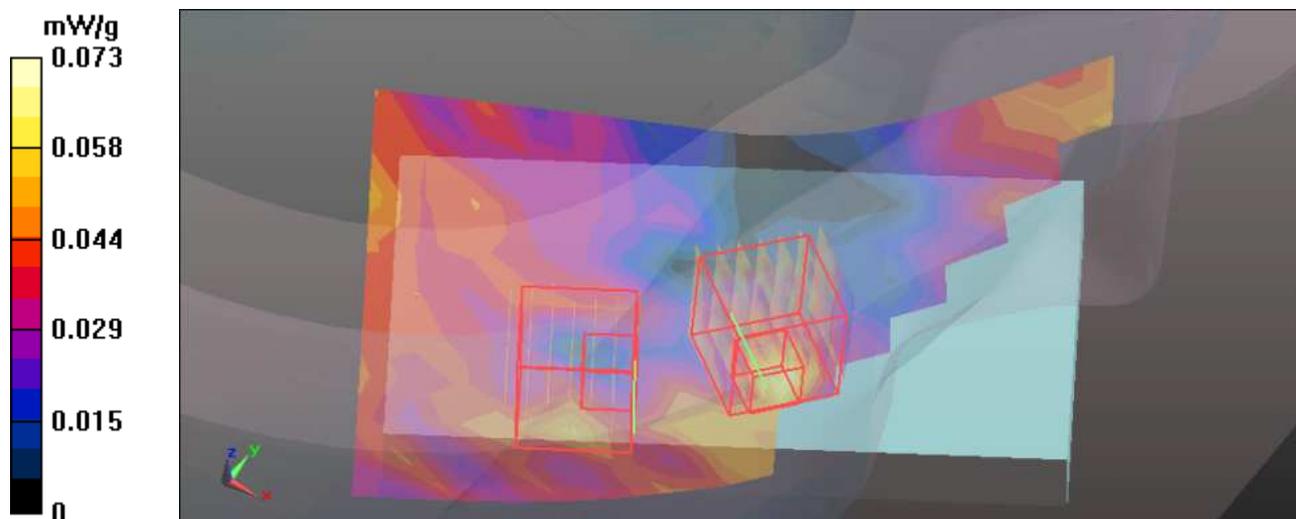
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.299 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.077 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.068 mW/g



P115_11a_BPSK_Right Head Tilt_Ch48_Standard 1

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.58$ mho/m; $\epsilon_r = 37.16$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.69, 4.69, 4.69); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Tilt Position - Ch48 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.020 mW/g

Right-Hand-Side HSL/Tilt Position - Ch48 /Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.017 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 7.51e-005 mW/g; SAR(10 g) = 1.49e-005 mW/g

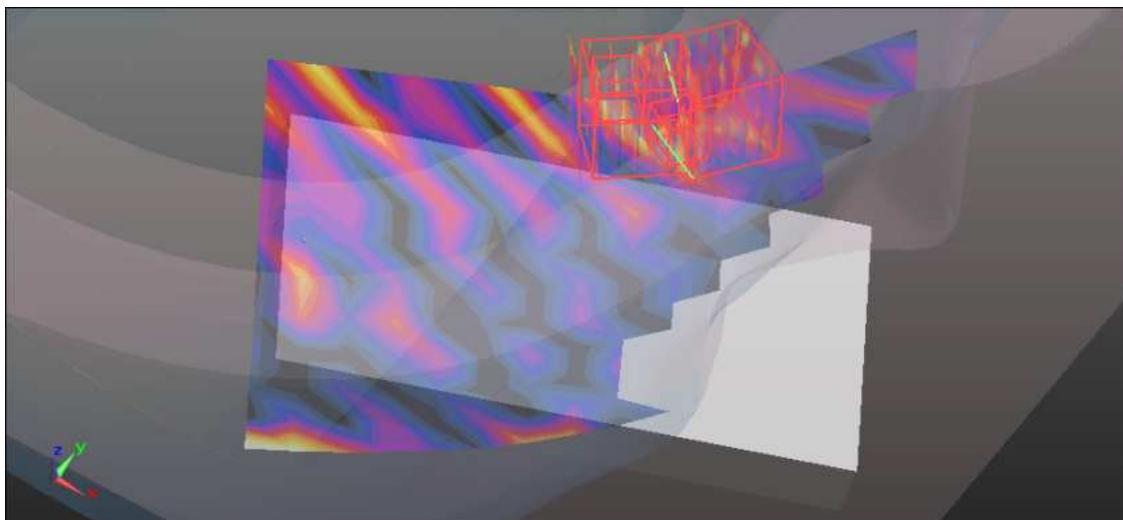
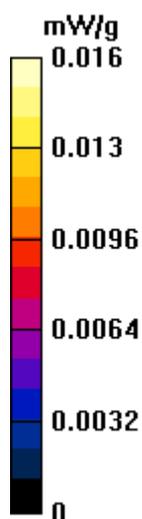
Maximum value of SAR (measured) = 0.016 mW/g

Right-Hand-Side HSL/Tilt Position - Ch48 /Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.017 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.021 W/kg

SAR(1 g) = 0.000252 mW/g; SAR(10 g) = 1.5e-005 mW/g



P116_11a_BPSK_Right Head Tilt_Ch52_Standard 1

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 4.6$ mho/m; $\epsilon_r = 37.13$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.33, 4.33, 4.33); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Tilt Position - Ch52/Area Scan (9x15x1): Measurement grid: dx=10mm, dy=10mm

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

Right-Hand-Side HSL/Tilt Position - Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.246 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.043 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00894 mW/g

Maximum value of SAR (measured) = 0.025 mW/g

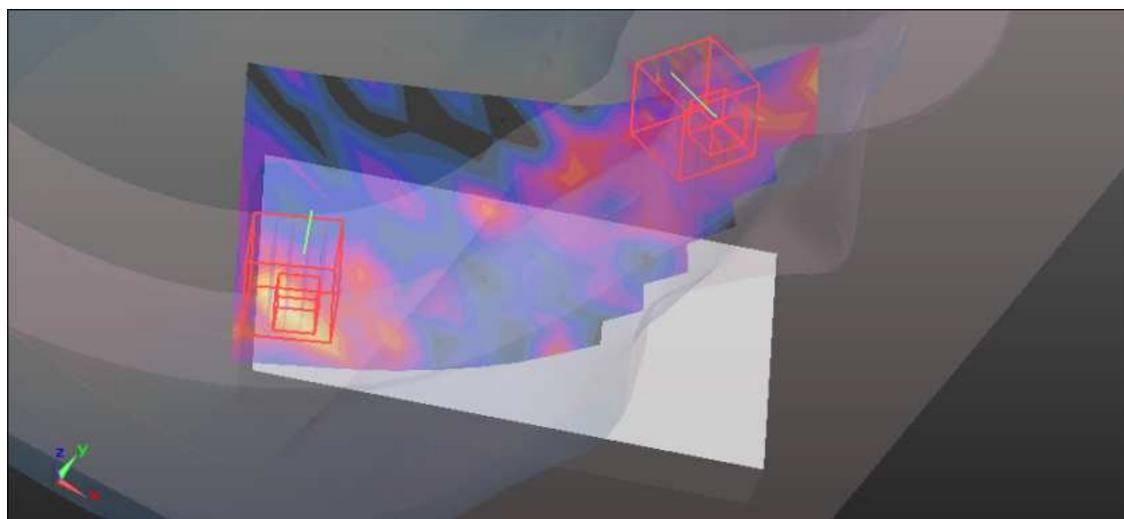
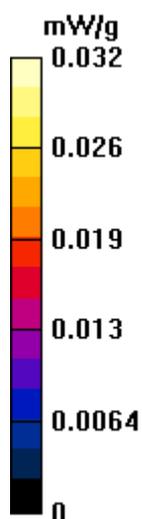
Right-Hand-Side HSL/Tilt Position - Ch52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.246 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.159 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00467 mW/g

Maximum value of SAR (measured) = 0.129 mW/g



P117_11a_BPSK_Right Head Tilt_Ch116_Standard 1

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 4.99$ mho/m; $\epsilon_r = 36.59$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Tilt Position - Ch116/Area Scan (9x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.027 mW/g

Right-Hand-Side HSL/Tilt Position - Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.010 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.000761 mW/g; SAR(10 g) = 0.000169 mW/g

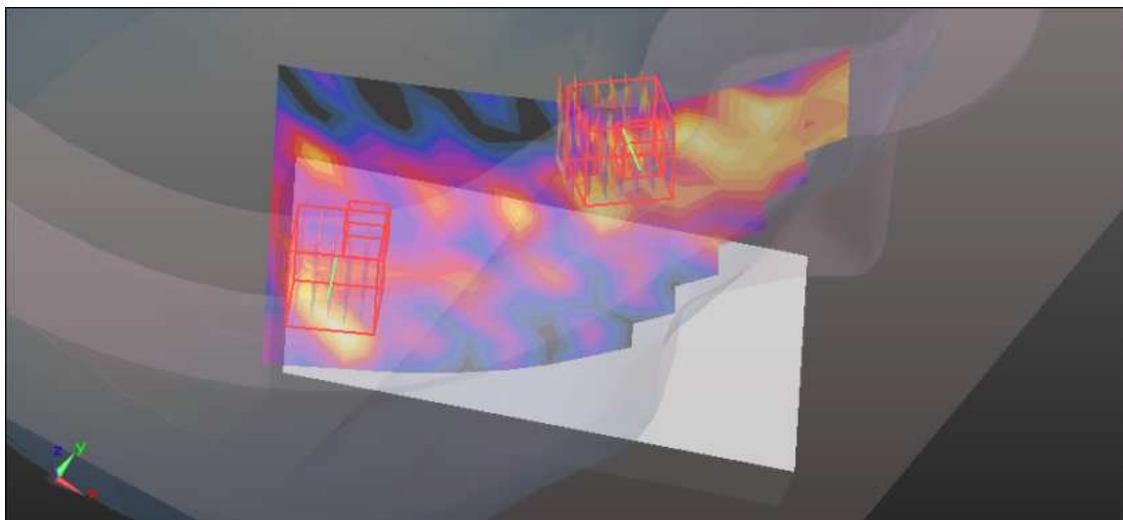
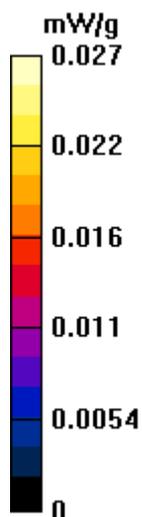
Right-Hand-Side HSL/Tilt Position - Ch116/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.010 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.026 W/kg

SAR(1 g) = 0.00229 mW/g; SAR(10 g) = 0.000488 mW/g

Maximum value of SAR (measured) = 0.026 mW/g



P149_11a_BPSK_Right Head Tilt_Ch149_Standard 1

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.18 \text{ mho/m}$; $\epsilon_r = 36.31$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.27, 4.27, 4.27); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Tilt Position - Ch149/Area Scan (9x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.028 mW/g

Right-Hand-Side HSL/Tilt Position - Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.214 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.00991 mW/g; SAR(10 g) = 0.00391 mW/g

Maximum value of SAR (measured) = 0.021 mW/g

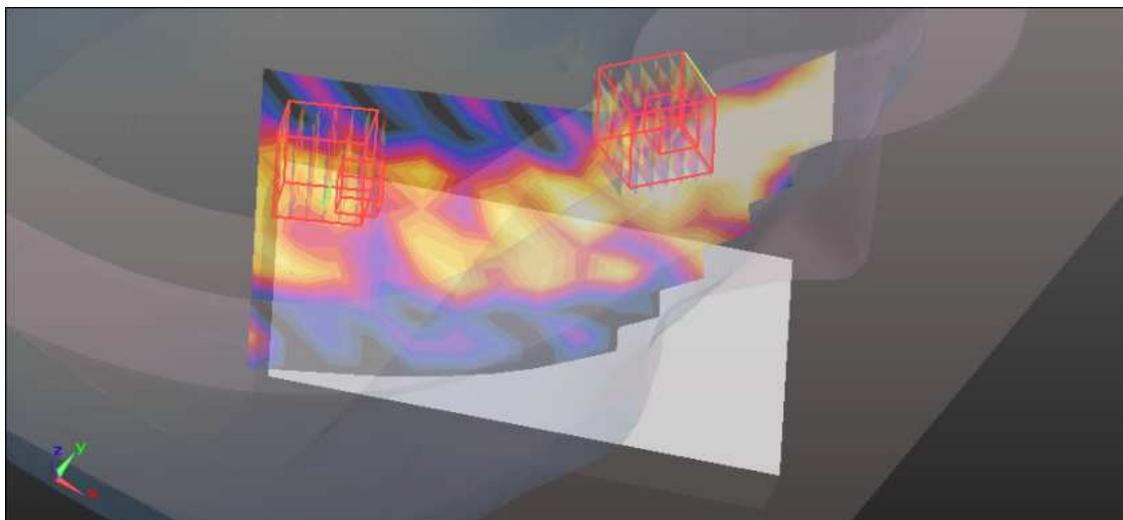
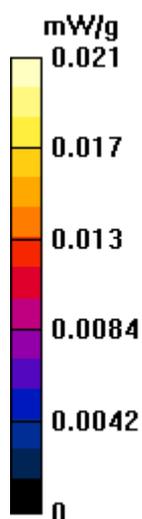
Right-Hand-Side HSL/Tilt Position - Ch149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.214 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.024 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00629 mW/g

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



P118_11a_BPSK_Left Head Cheek_Ch48_Standard 1

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.58$ mho/m; $\epsilon_r = 37.16$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.69, 4.69, 4.69); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Touch Position - Ch48/Area Scan (12x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.137 mW/g

Left-Hand-Side HSL/Touch Position - Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.523 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.139 mW/g

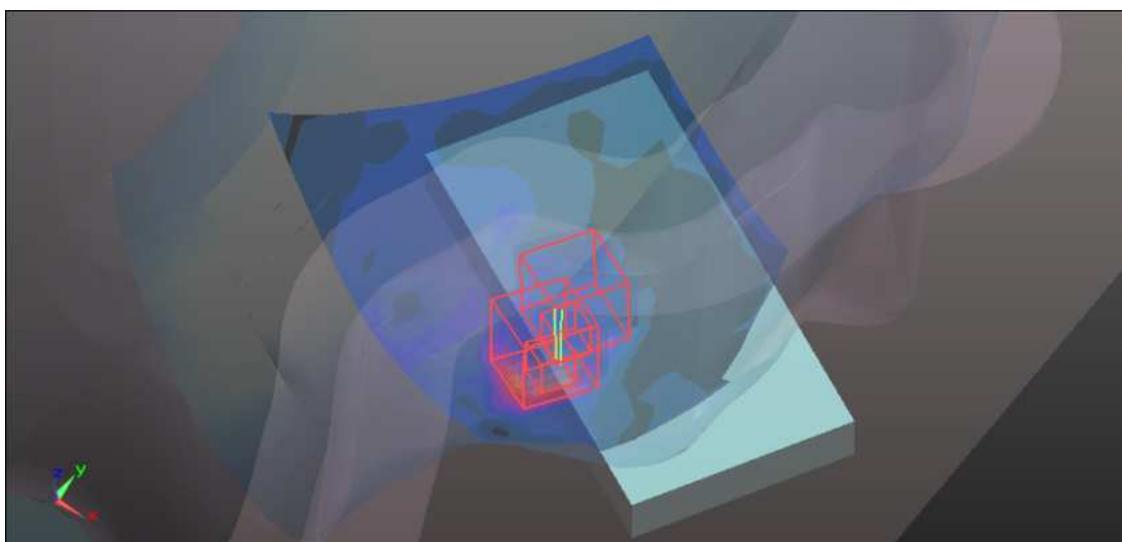
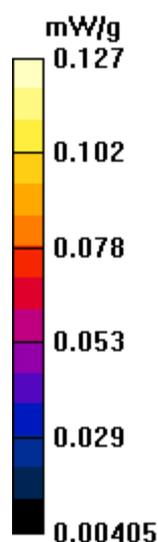
Left-Hand-Side HSL/Touch Position - Ch48/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.523 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.127 mW/g



P119_11a_BPSK_Left Head Cheek_Ch52_Standard 1

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 4.6$ mho/m; $\epsilon_r = 37.13$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.33, 4.33, 4.33); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Touch Position - Ch52/Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.154 mW/g

Left-Hand-Side HSL/Touch Position - Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.545 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.147 mW/g

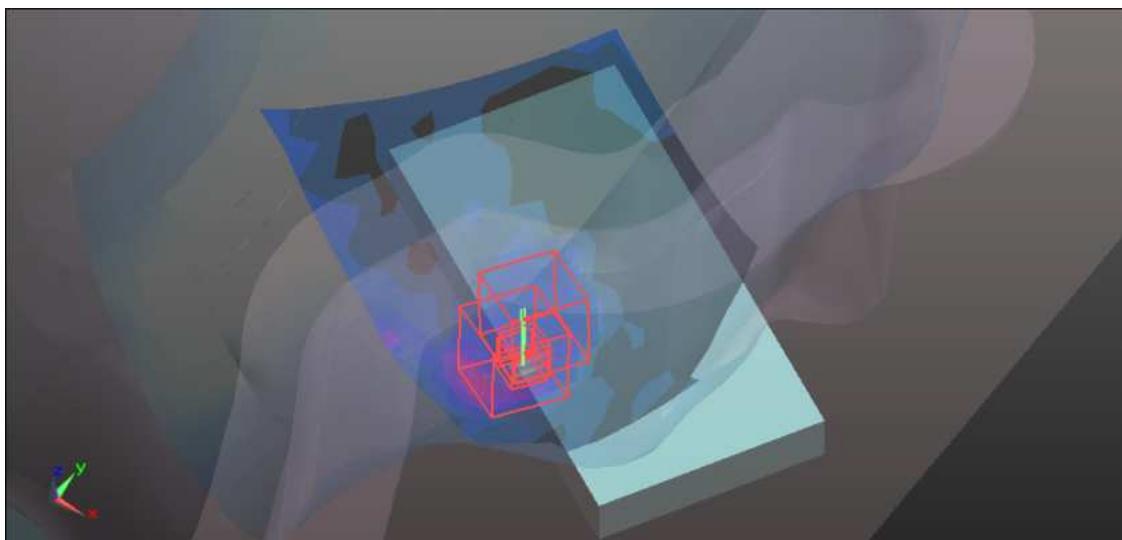
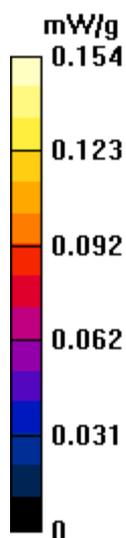
Left-Hand-Side HSL/Touch Position - Ch52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.545 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.146 mW/g



P120_11a_BPSK_Left Head Cheek_Ch116_Standard 1

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 4.99$ mho/m; $\epsilon_r = 36.59$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Touch Position - Ch116 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

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

Left-Hand-Side HSL/Touch Position - Ch116 /Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.387 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.057 mW/g

Maximum value of SAR (measured) = 0.162 mW/g

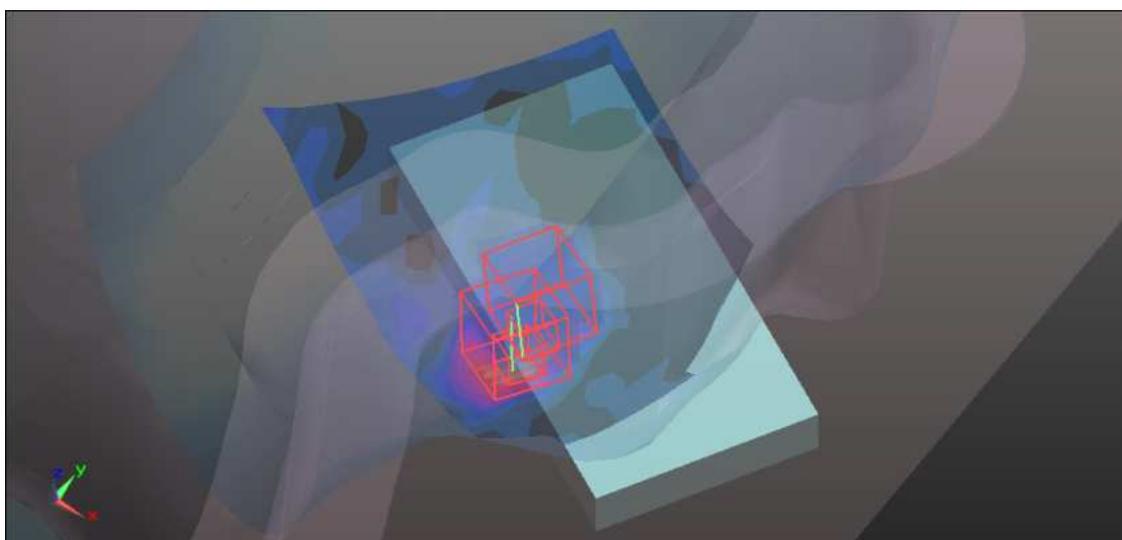
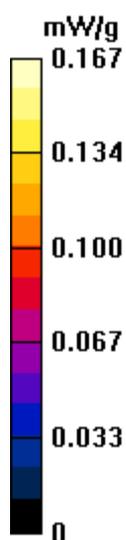
Left-Hand-Side HSL/Touch Position - Ch116 /Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.387 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.159 mW/g



P150_11a_BPSK_Left Head Cheek_Ch149_Standard 1

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.18$ mho/m; $\epsilon_r = 36.31$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.27, 4.27, 4.27); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Touch Position - Ch149/Area Scan (11x15x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.069 mW/g

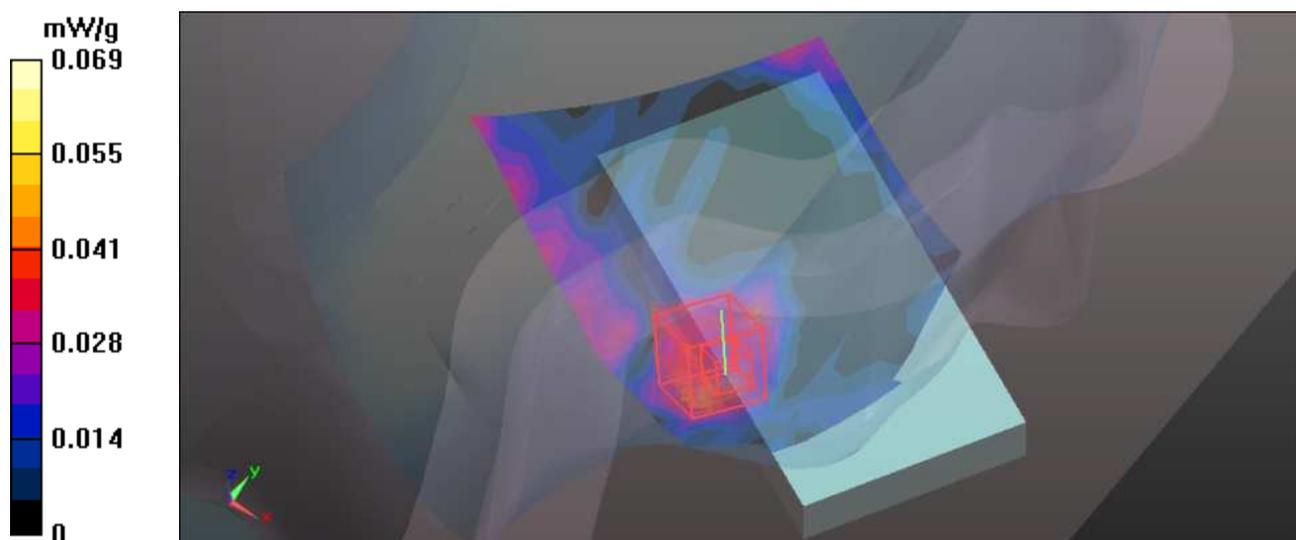
Left-Hand-Side HSL/Touch Position - Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 1.032 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.073 mW/g



P121_11a_BPSK_Left Head Tilt_Ch48_Standard 1

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.58$ mho/m; $\epsilon_r = 37.16$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.69, 4.69, 4.69); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Tilt Position - Ch48/Area Scan (11x15x1): Measurement grid:
dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.030 mW/g

Left-Hand-Side HSL/Tilt Position - Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.489 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.042 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.037 mW/g

Left-Hand-Side HSL/Tilt Position - Ch48/Zoom Scan (7x7x9)/Cube 1: Measurement grid:

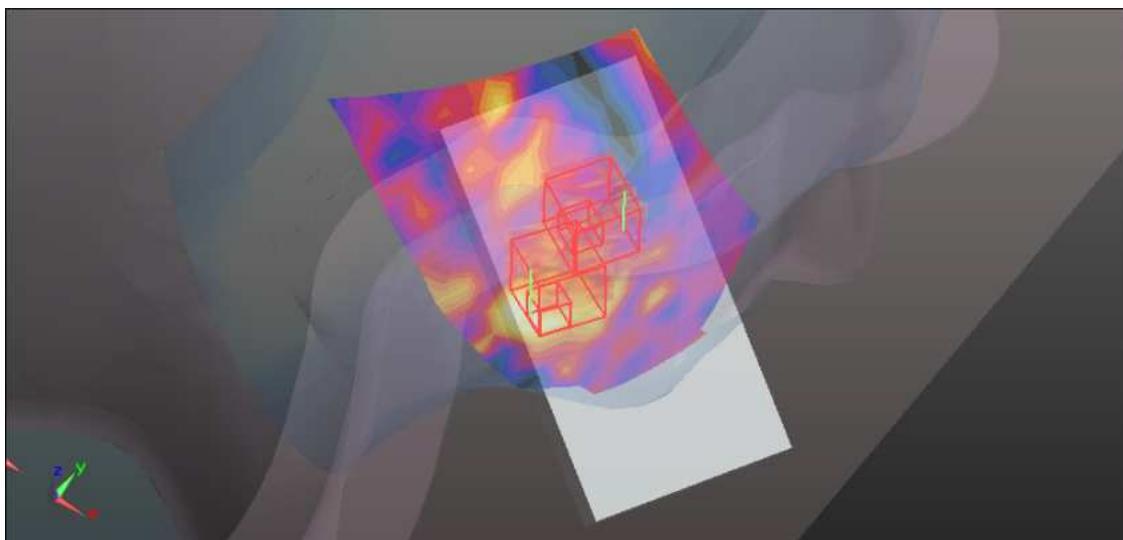
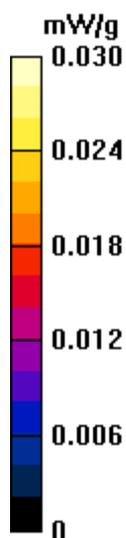
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.489 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.011 mW/g

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



P122_11a_BPSK_Left Head Tilt_Ch52_Standard 1

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 4.6$ mho/m; $\epsilon_r = 37.13$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.33, 4.33, 4.33); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Tilt Position - Ch52 /Area Scan (11x15x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.033 mW/g

Left-Hand-Side HSL/Tilt Position - Ch52 /Zoom Scan (7x7x9)/Cube 0: Measurement grid:

$dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 0.458 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.025 mW/g

Left-Hand-Side HSL/Tilt Position - Ch52 /Zoom Scan (7x7x9)/Cube 1: Measurement grid:

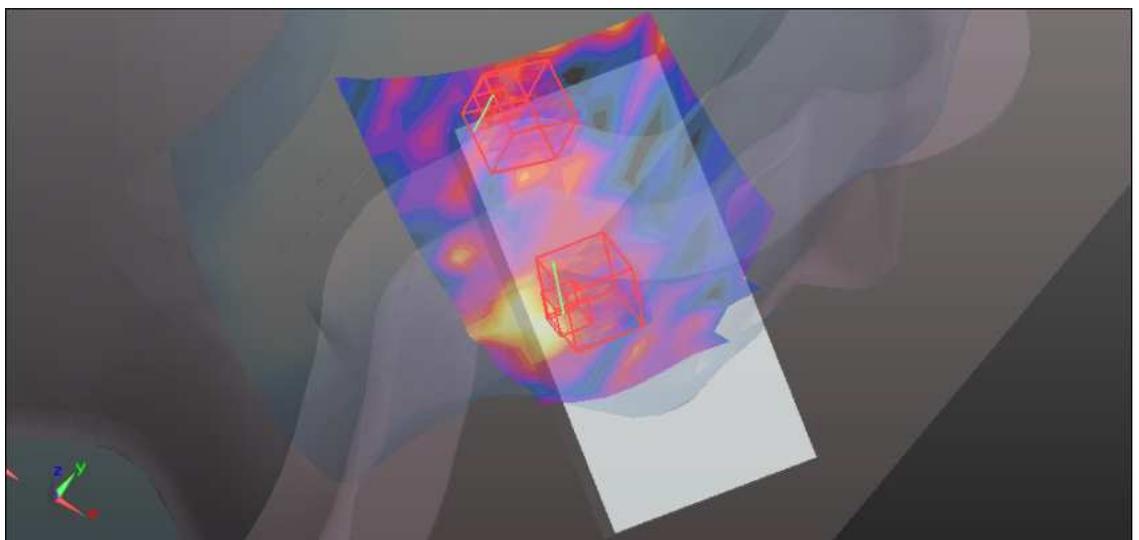
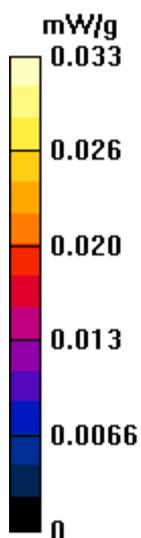
$dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 0.458 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.048 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.035 mW/g



P123_11a_BPSK_Left Head Tilt_Ch116_Standard 1

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 4.99$ mho/m; $\epsilon_r = 36.59$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Tilt Position - Ch116 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.046 mW/g

Left-Hand-Side HSL/Tilt Position - Ch116 /Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.598 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.063 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.054 mW/g

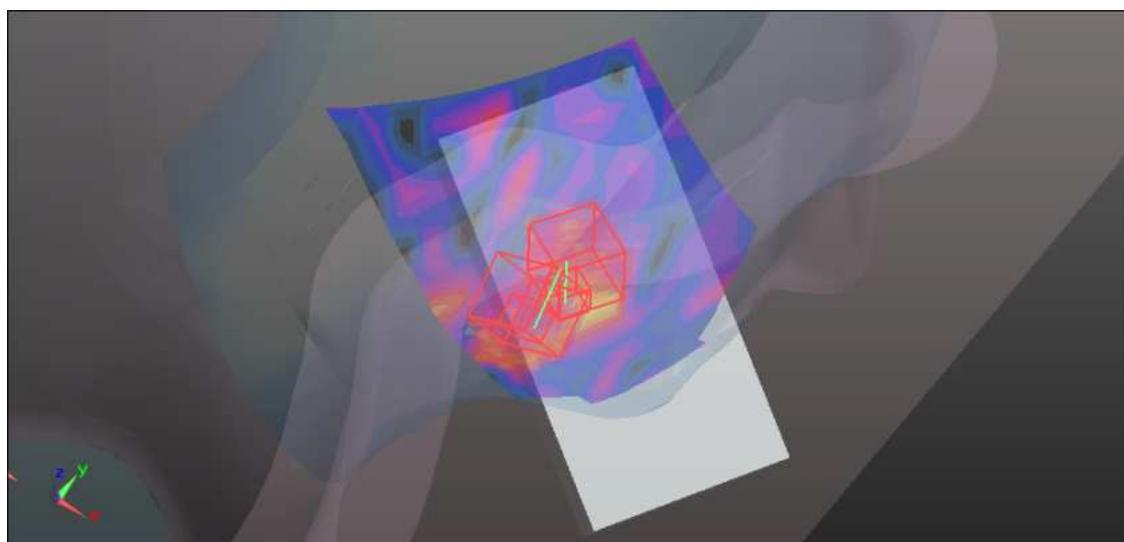
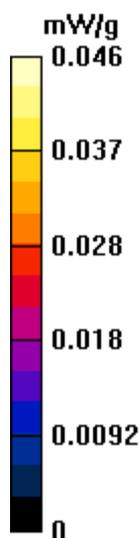
Left-Hand-Side HSL/Tilt Position - Ch116 /Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.598 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.047 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.047 mW/g



P151_11a_BPSK_Left Head Tilt_Ch149_Standard 1

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.18$ mho/m; $\epsilon_r = 36.31$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.27, 4.27, 4.27); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Tilt Position - Ch149/Area Scan (11x15x1): Measurement grid:
dx=10mm, dy=10mm

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

Left-Hand-Side HSL/Tilt Position - Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.742 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.048 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.038 mW/g

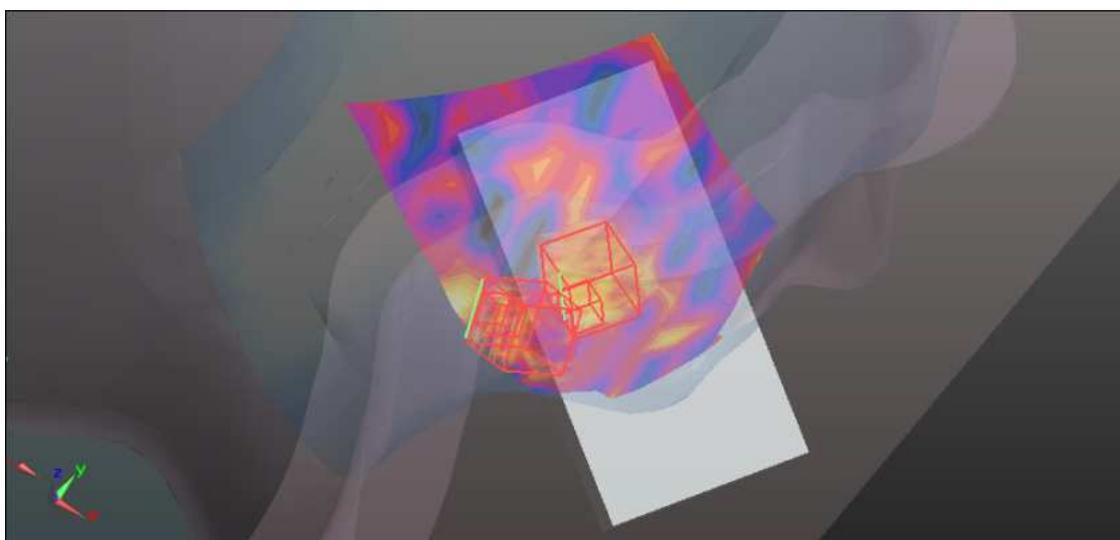
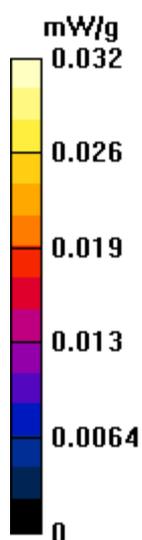
Left-Hand-Side HSL/Tilt Position - Ch149/Zoom Scan (7x7x9)/Cube 1: Measurement grid:
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.742 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.047 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.034 mW/g



P136_11a_BPSK_Left Head Cheek_Ch6_Extended

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 4.99$ mho/m; $\epsilon_r = 36.59$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-14855
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Left-Hand-Side HSL/Touch Position - Ch116/Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.116 mW/g

Left-Hand-Side HSL/Touch Position - Ch116/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.564 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.128 mW/g

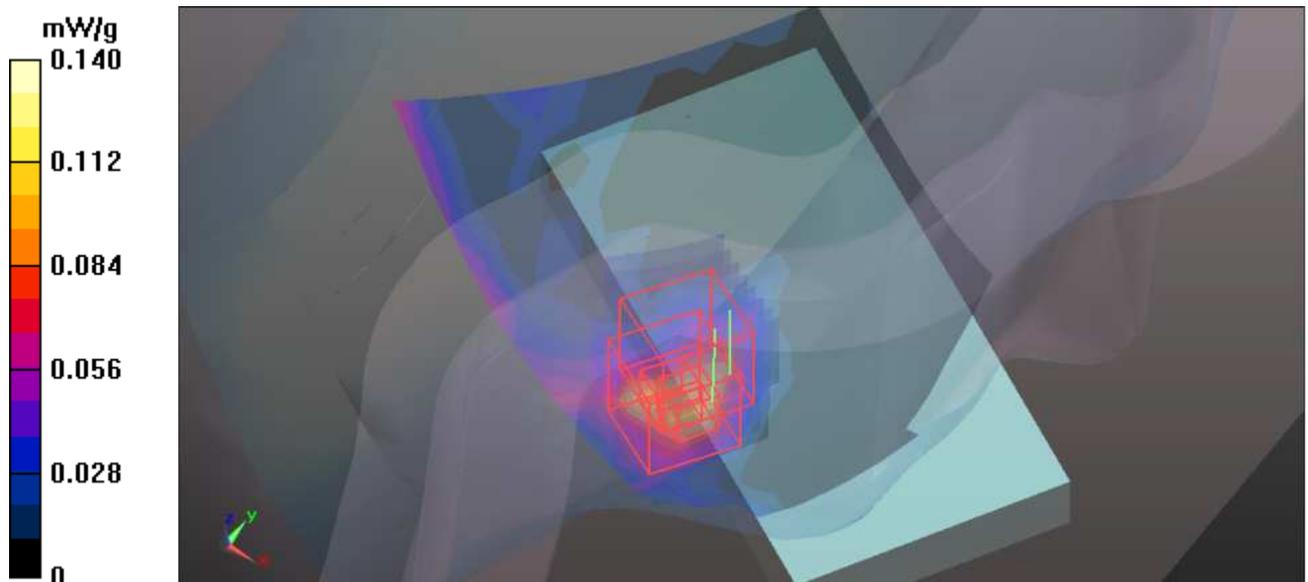
Left-Hand-Side HSL/Touch Position - Ch116/Zoom Scan (8x8x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.564 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.140 mW/g



P156_11a_BPSK_Right Head Cheek_Ch149_Extended

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1

Medium: HSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.18 \text{ mho/m}$; $\epsilon_r = 36.31$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.27, 4.27, 4.27); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Right-Hand-Side HSL/Touch Position - Ch149/Area Scan (12x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.046 mW/g

Right-Hand-Side HSL/Touch Position - Ch149/Zoom Scan (7x7x9)/Cube 0:

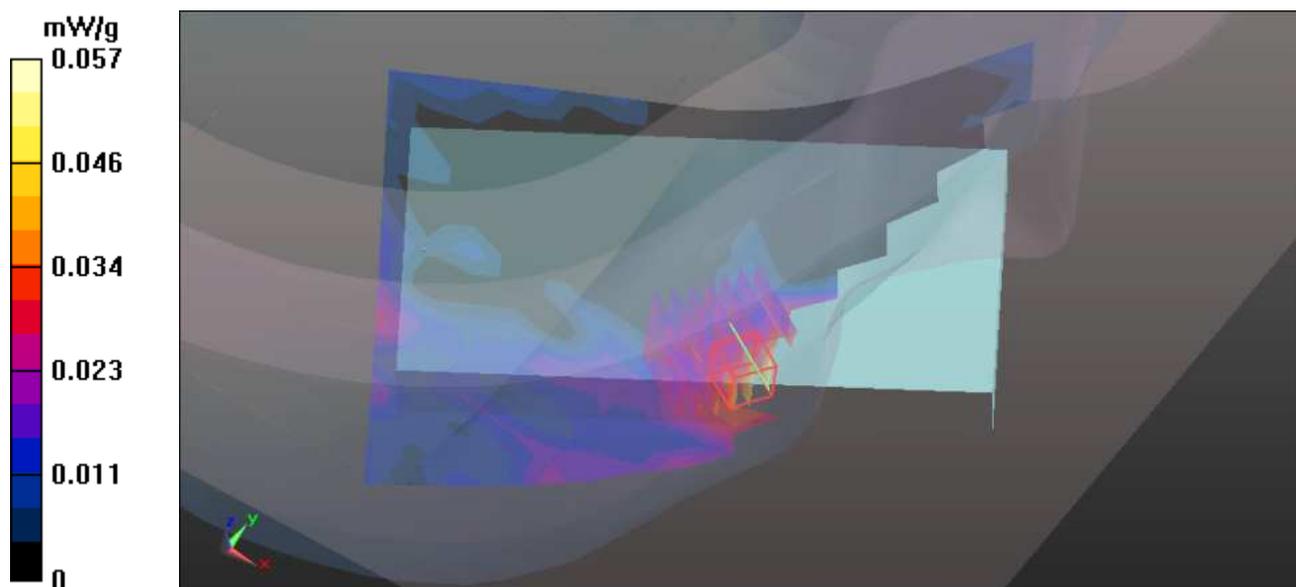
Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.864 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.080 W/kg

SAR(1 g) = 0.036 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.057 mW/g



P142_11b_DBPSK_Front Face_1cm_Ch6_Standard 1

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54.05$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.05, 7.05, 7.05); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Mid/Area Scan (9x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.158 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

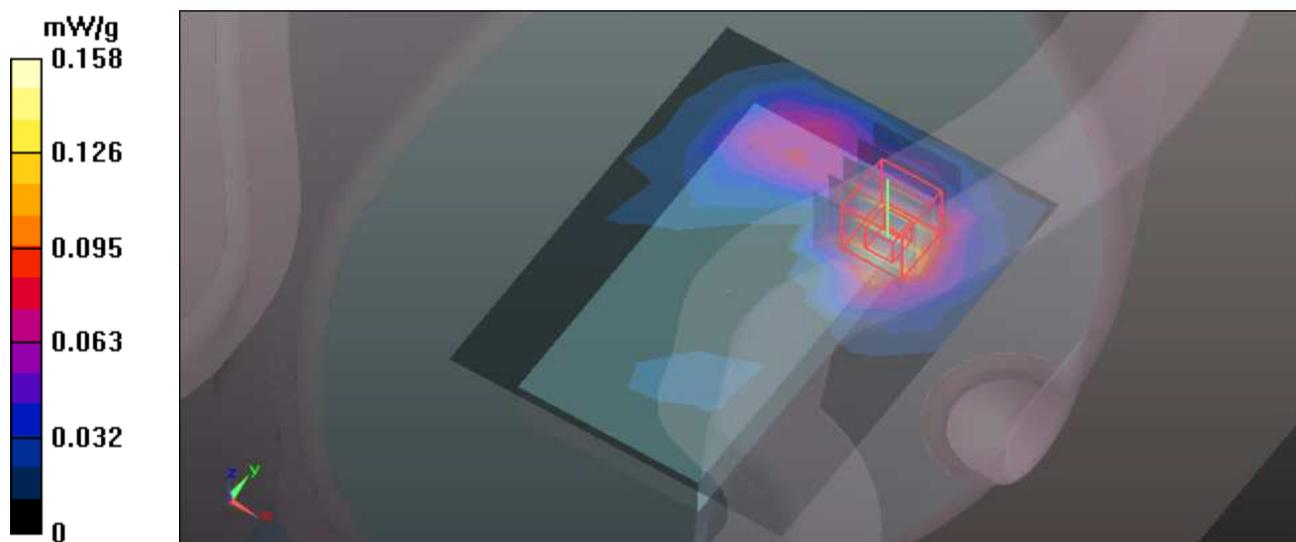
$dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 1.374 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.178 mW/g



P143_11b_DBPSK_Back Face_1cm_Ch6_Standard 1

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54.05$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.05, 7.05, 7.05); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Mid/Area Scan (9x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.769 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

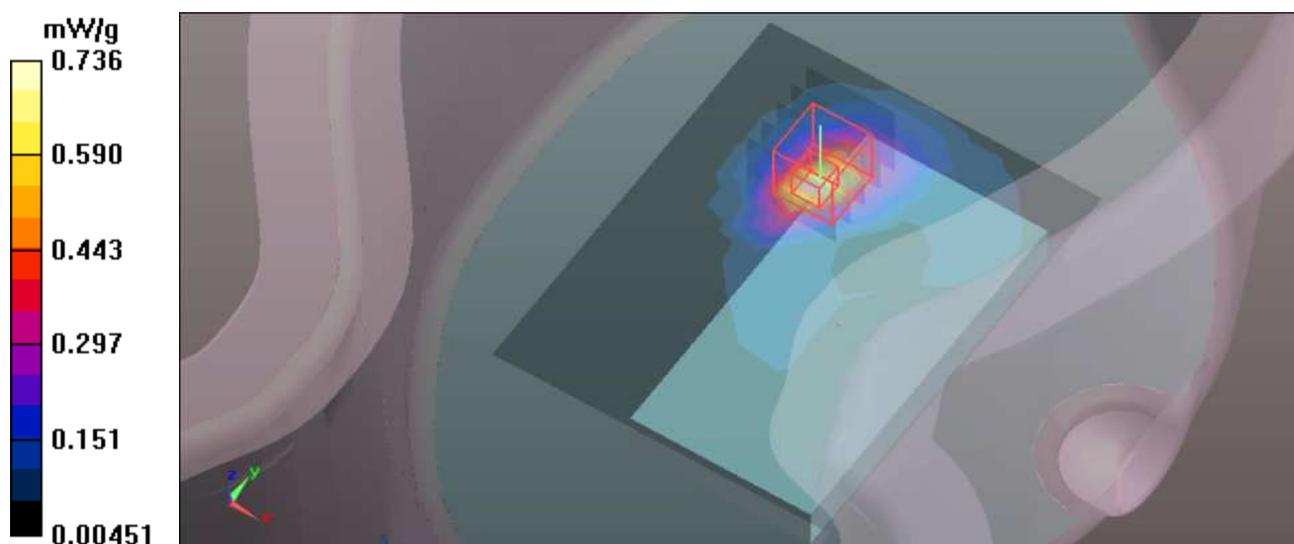
$dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.391 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.040 W/kg

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.241 mW/g

Maximum value of SAR (measured) = 0.736 mW/g



P144_11b_DBPSK_Left side_1cm_Ch6_Standard 1

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54.05$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.05, 7.05, 7.05); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Mid/Area Scan (6x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.877 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

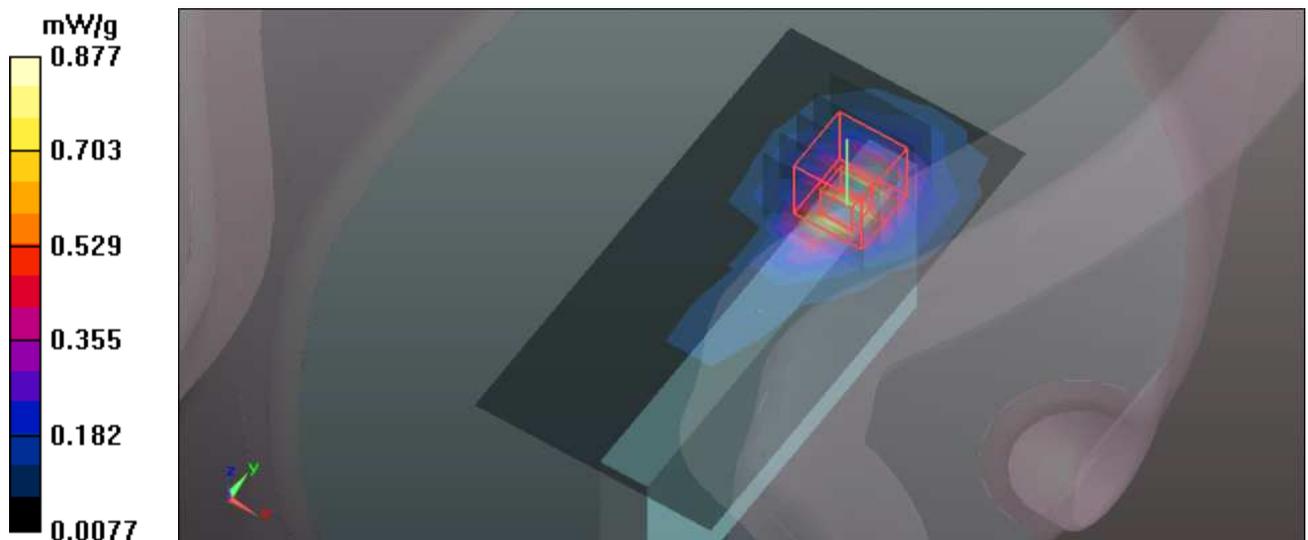
$dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.128 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.223 W/kg

SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.284 mW/g

Maximum value of SAR (measured) = 0.897 mW/g



P145_11b_DBPSK_Bottom side_1cm_Ch6_Standard 1

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54.05$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The bottom edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.05, 7.05, 7.05); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Mid/Area Scan (7x10x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.103 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.531 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.043 mW/g

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

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid:

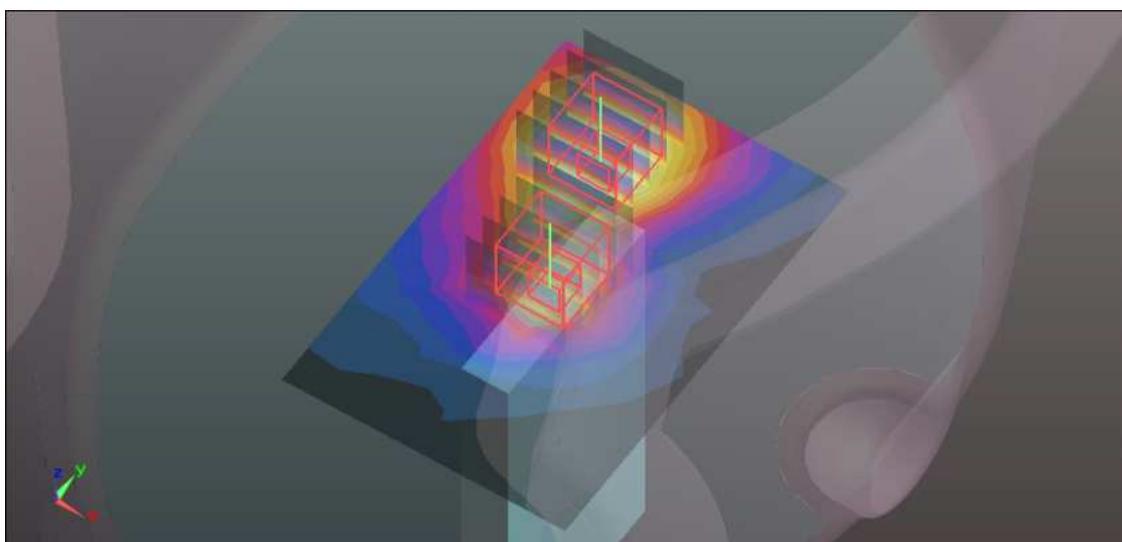
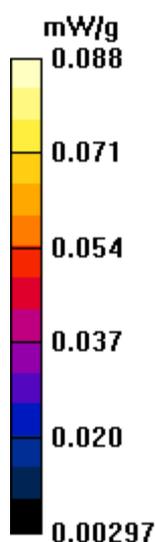
$dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.531 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.116 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.088 mW/g



P147_11b_DBPSK_Left side_Ch6_Extended

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54.05$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.05, 7.05, 7.05); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Mid/Area Scan (6x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.703 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

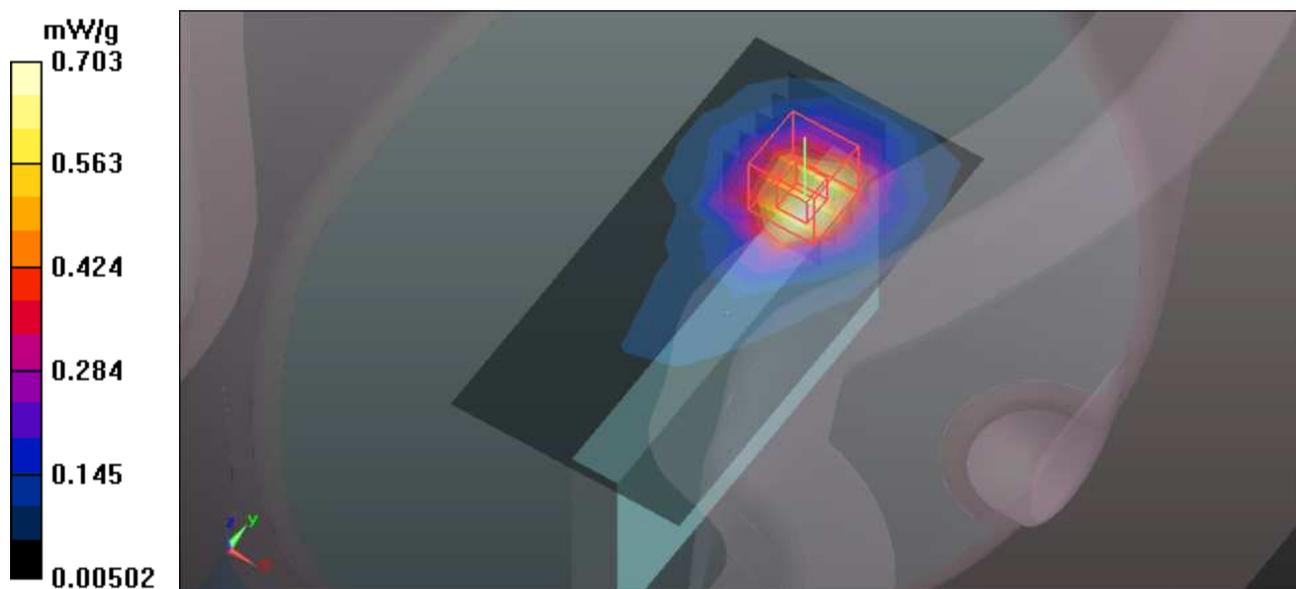
$dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.545 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.058 W/kg

SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.266 mW/g

Maximum value of SAR (measured) = 0.790 mW/g



P124_11a_BPSK_Front Face_1cm_Ch48_Standard 1

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 50.55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.25, 4.25, 4.25); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch48/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.118 mW/g

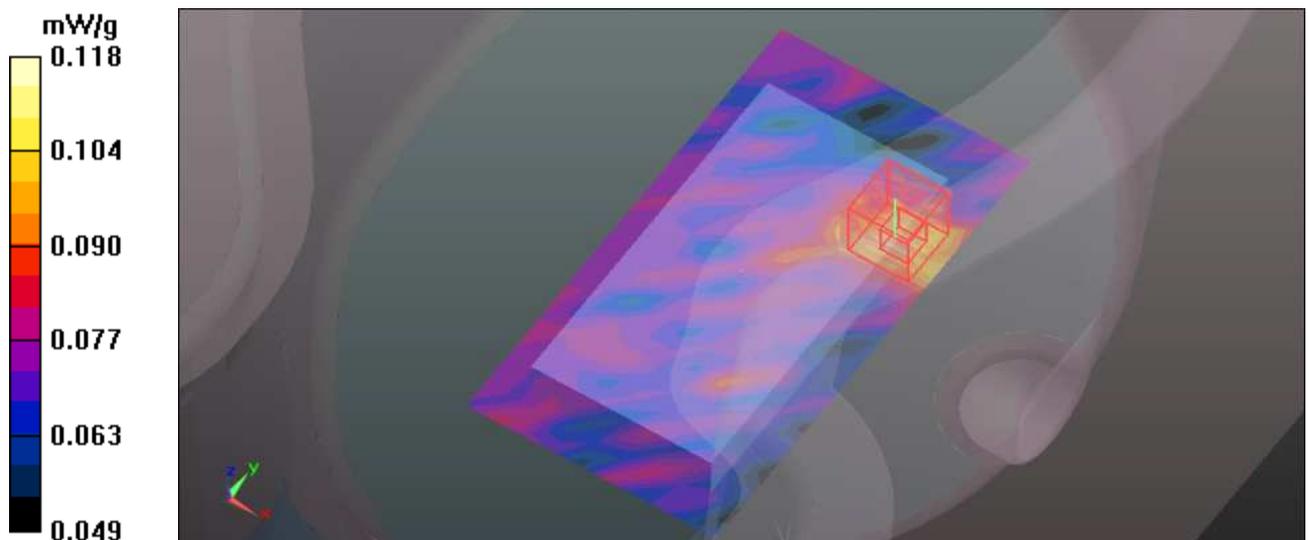
Flat-Section MSL/Flat Section 10mm Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.623 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.164 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.091 mW/g

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



P125_11a_BPSK_Front Face_1cm_Ch52_Standard 1

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.49 \text{ mho/m}$; $\epsilon_r = 50.53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch52/Area Scan (10x18x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.123 mW/g

Flat-Section MSL/Flat Section 10mm Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.033 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.130 mW/g

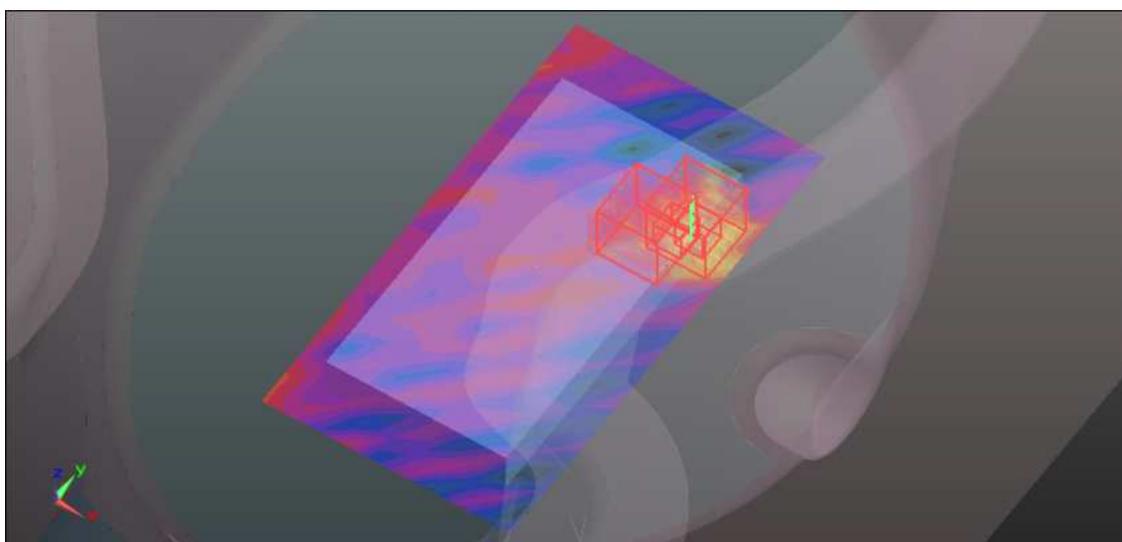
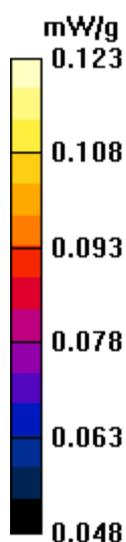
Flat-Section MSL/Flat Section 10mm Ch52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.033 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.119 mW/g



P126_11a_BPSK_Front Face_1cm_Ch116_Standard 1

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 49.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.55, 3.55, 3.55); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch116/Area Scan (10x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.148 mW/g

Flat-Section MSL/Flat Section 10mm Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.188 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.155 mW/g

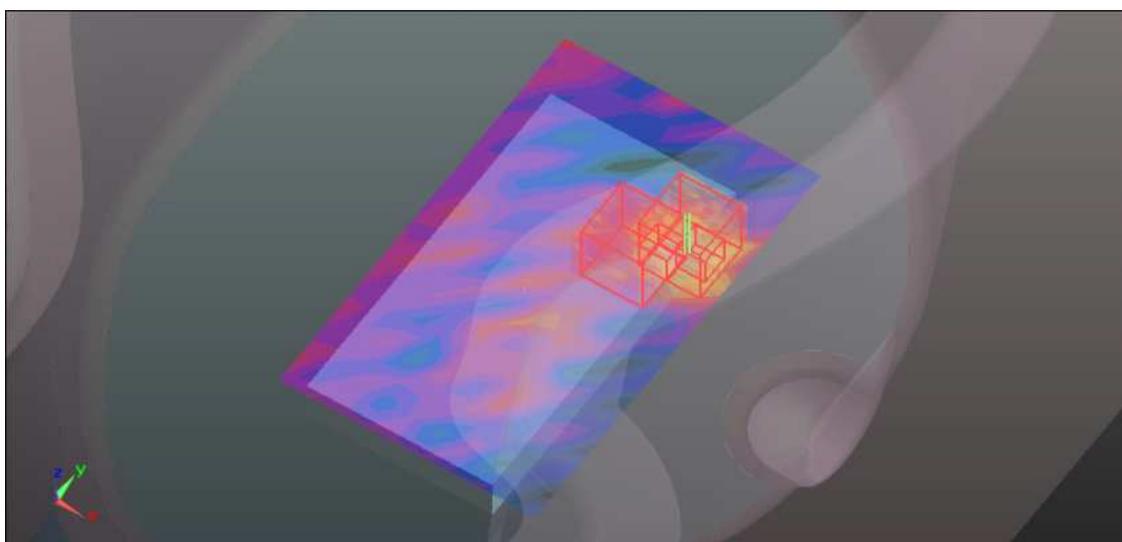
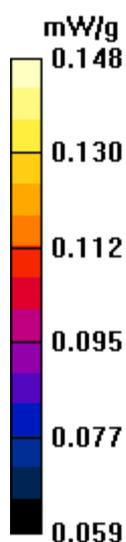
Flat-Section MSL/Flat Section 10mm Ch116/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.188 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.147 mW/g



P152_11a_BPSK_Front Face_1cm_Ch149_Standard 1

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.09 \text{ mho/m}$; $\epsilon_r = 49.68$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.86, 3.86, 3.86); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch149/Area Scan (10x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

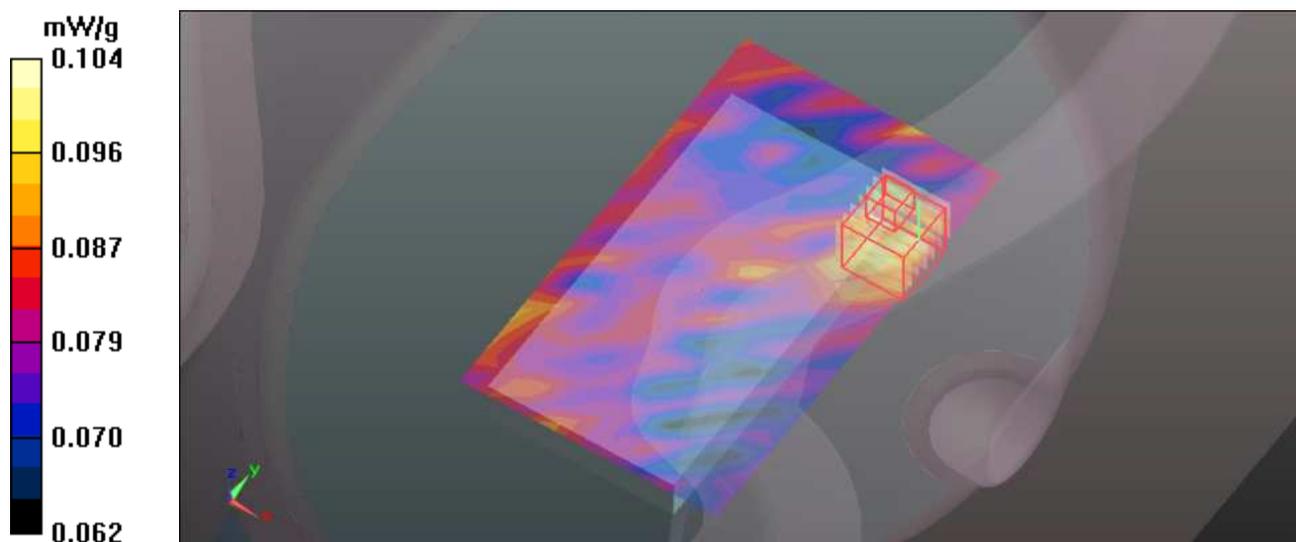
Flat-Section MSL/Flat Section 10mm Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.936 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.113 W/kg

SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.113 mW/g



P127_11a_BPSK_Back Face_1cm_Ch48_Standard 1

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 50.55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.25, 4.25, 4.25); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch48/Area Scan (10x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.125 mW/g

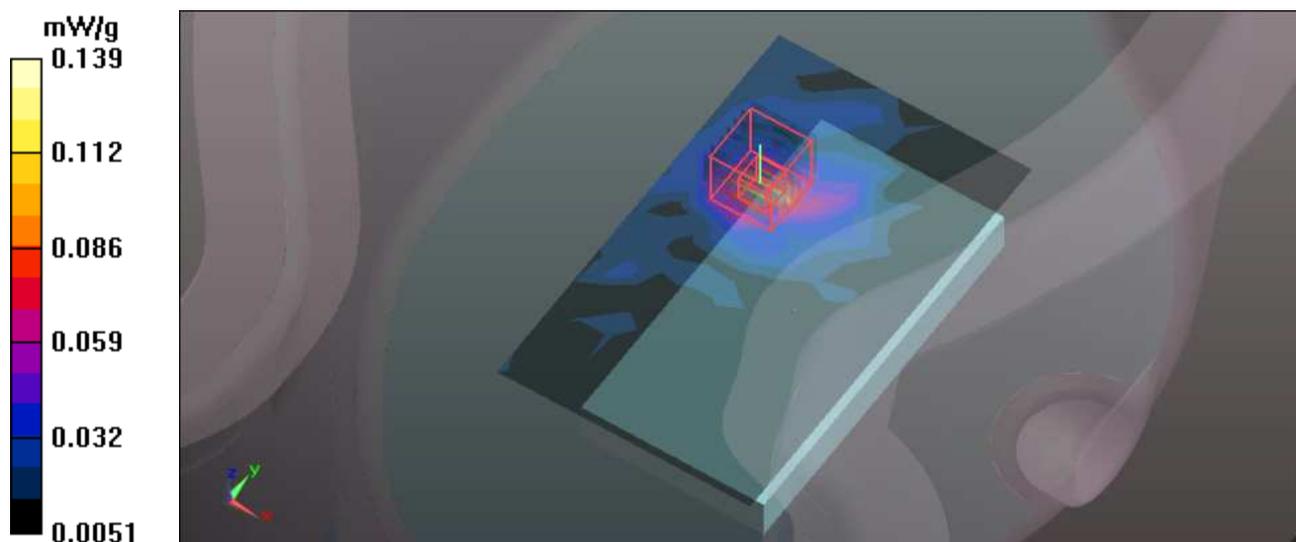
Flat-Section MSL/Flat Section 10mm Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.634 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.139 mW/g



P128_11a_BPSK_Back Face_1cm_Ch52_Standard 1

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 50.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch52/Area Scan (10x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.151 mW/g

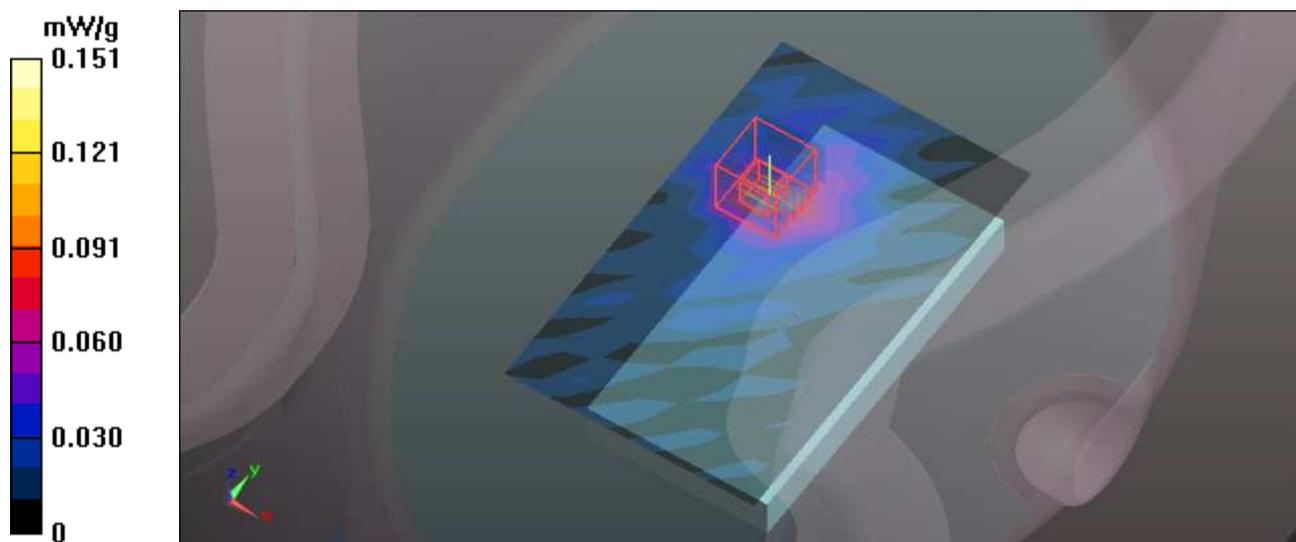
Flat-Section MSL/Flat Section 10mm Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.255 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.149 mW/g



P129_11a_BPSK_Back Face_1cm_Ch116_Standard 1

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 49.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.55, 3.55, 3.55); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch116/Area Scan (10x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.137 mW/g

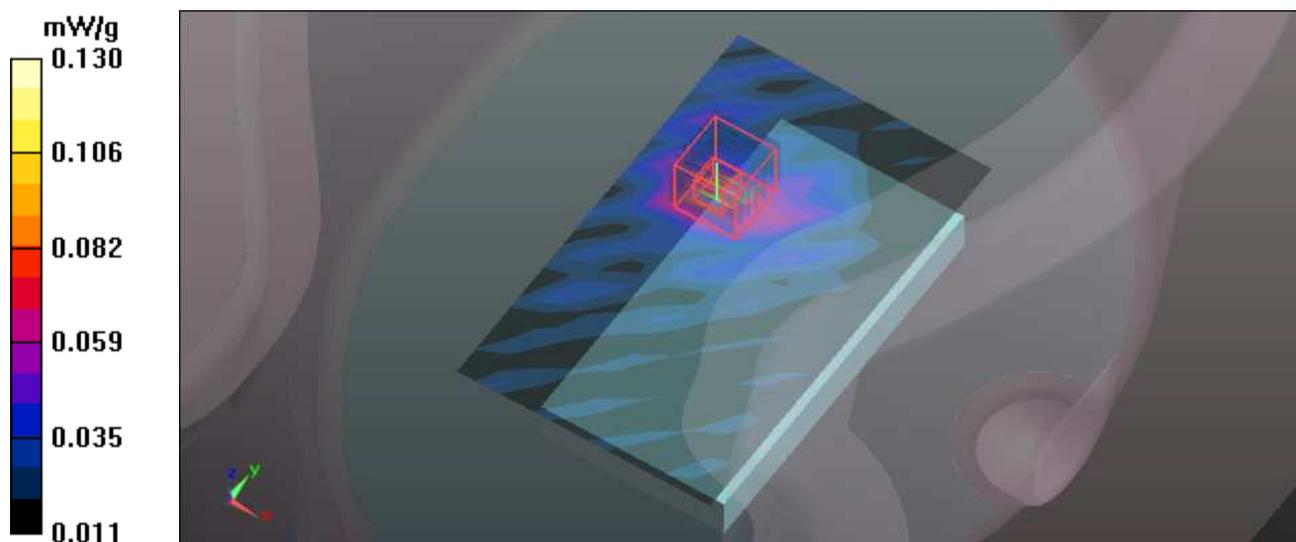
Flat-Section MSL/Flat Section 10mm Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.005 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.130 mW/g



P153_11a_BPSK_Back Face_1cm_Ch149_Standard 1

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL5800 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.09$ mho/m; $\epsilon_r = 49.68$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.86, 3.86, 3.86); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch149/Area Scan (10x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.077 mW/g

Flat-Section MSL/Flat Section 10mm Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.510 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.061 mW/g

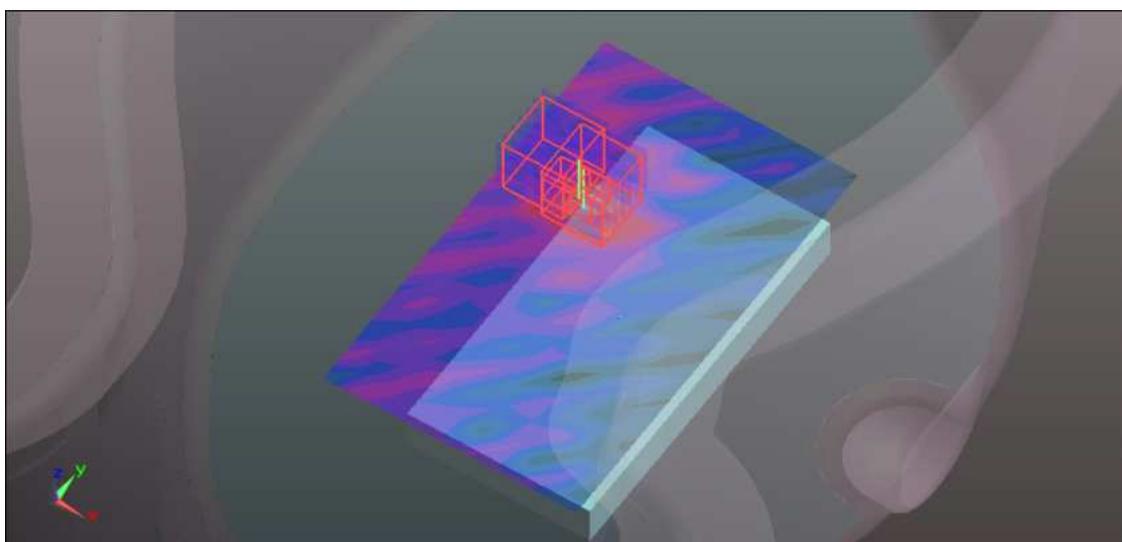
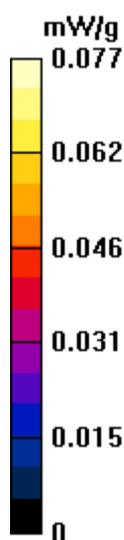
Flat-Section MSL/Flat Section 10mm Ch149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.510 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.075 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.060 mW/g



P130_11a_BPSK_Left side_1cm_Ch48_Standard 1

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 50.55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.25, 4.25, 4.25); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch48/Area Scan (6x16x1): Measurement grid: dx=10mm, dy=10mm

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

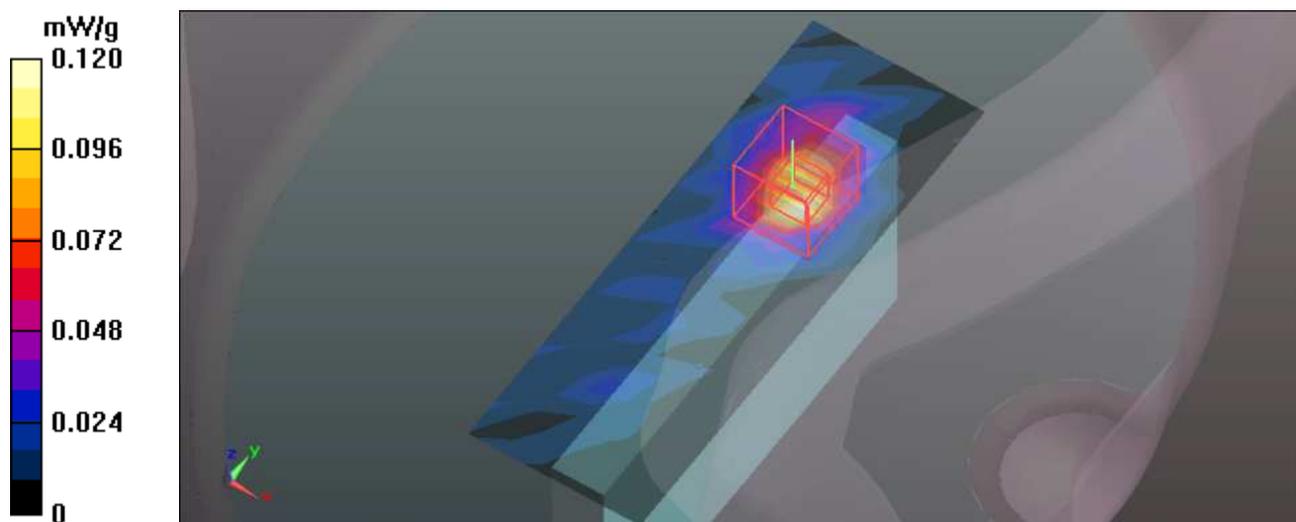
Flat-Section MSL/Flat Section 10mm Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.722 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.130 mW/g



P131_11a_BPSK_Left side_1cm_Ch52_Standard 1

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 50.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch52/Area Scan (6x16x1): Measurement grid:
dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.124 mW/g

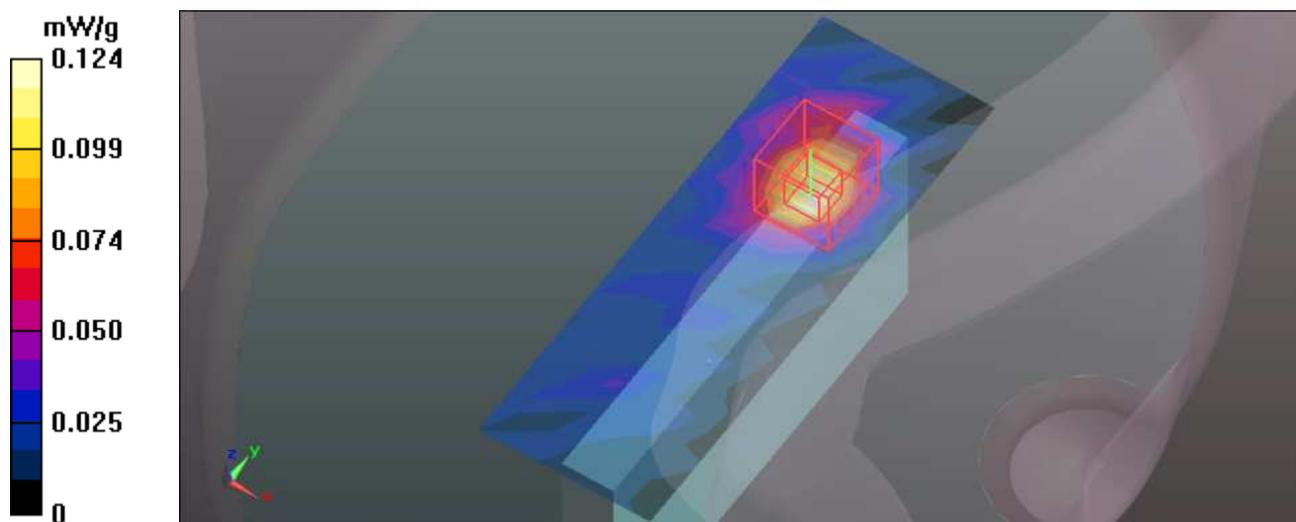
Flat-Section MSL/Flat Section 10mm Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.385 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.036 mW/g

Maximum value of SAR (measured) = 0.139 mW/g





P132_11a_BPSK_Left side_1cm_Ch116_Standard 1

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 49.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.55, 3.55, 3.55); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch116/Area Scan (6x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.111 mW/g

Flat-Section MSL/Flat Section 10mm Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.643 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.033 mW/g

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

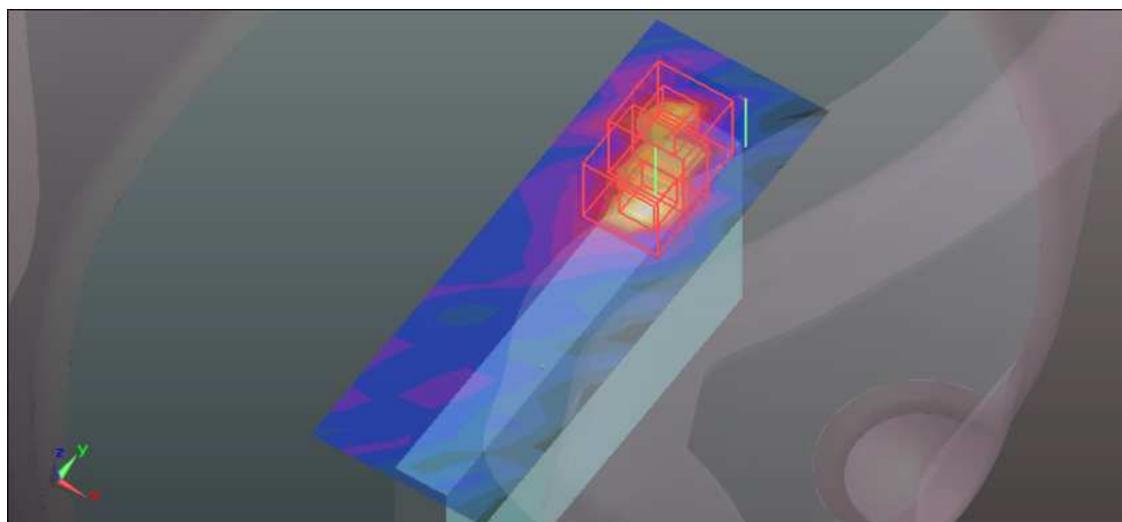
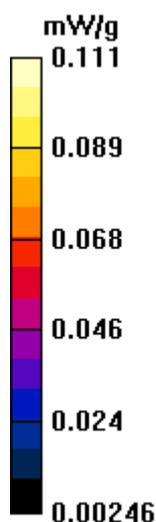
Flat-Section MSL/Flat Section 10mm Ch116/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.643 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.122 W/kg

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.122 mW/g



P154_11a_BPSK_Left side_1cm_Ch149_Standard 1

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL5800 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.09$ mho/m; $\epsilon_r = 49.68$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.86, 3.86, 3.86); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch149/Area Scan (6x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.071 mW/g

Flat-Section MSL/Flat Section 10mm Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.142 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.123 mW/g

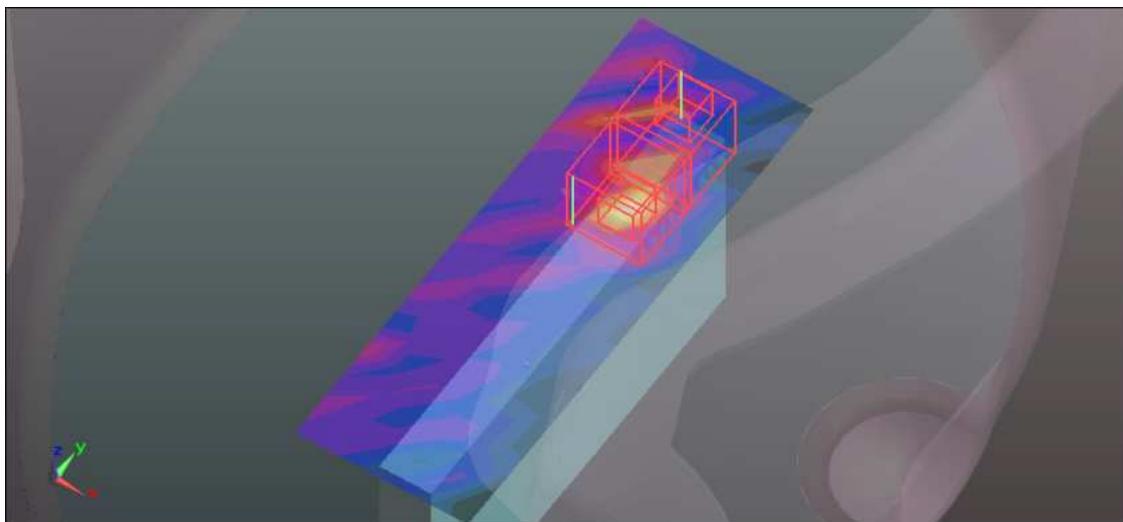
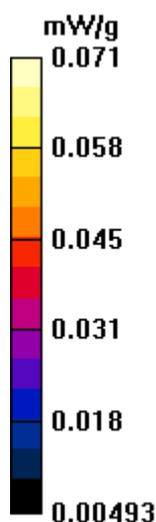
Flat-Section MSL/Flat Section 10mm Ch149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.142 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.032 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.014 mW/g

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



P133_11a_BPSK_Bottom side_1cm_Ch48_Standard 1

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 50.55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The bottom edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.25, 4.25, 4.25); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch48/Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.050 mW/g

Flat-Section MSL/Flat Section 10mm Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.206 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.073 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.046 mW/g

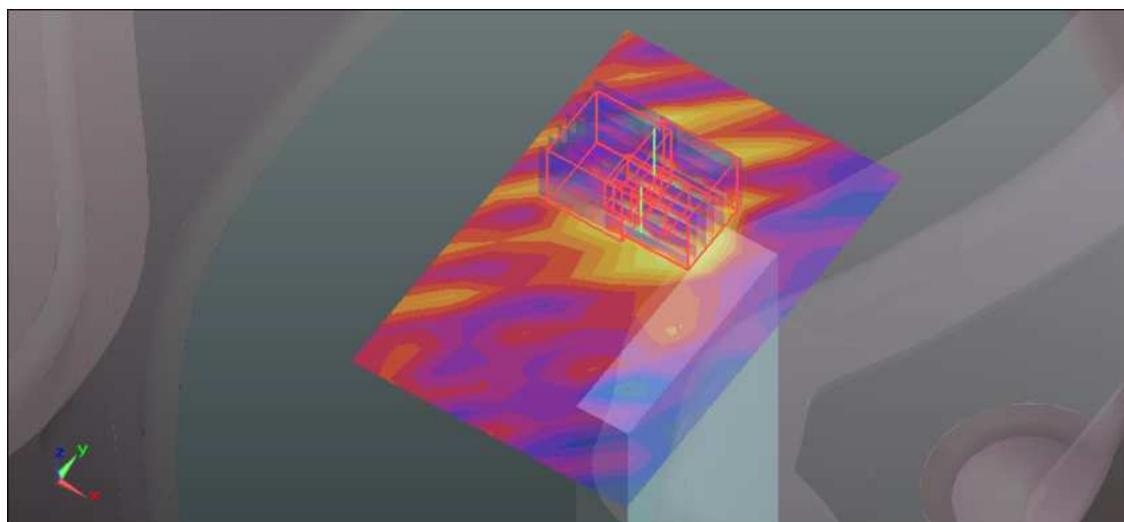
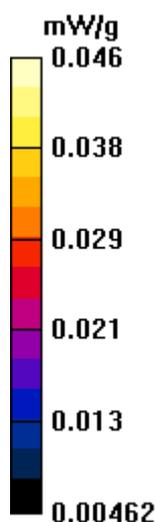
Flat-Section MSL/Flat Section 10mm Ch48/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.206 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.070 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.047 mW/g



P134_11a_BPSK_Bottom side_1cm_Ch52_Standard 1

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 50.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The bottom edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch52/Area Scan (9x9x1): Measurement grid:
dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.089 mW/g

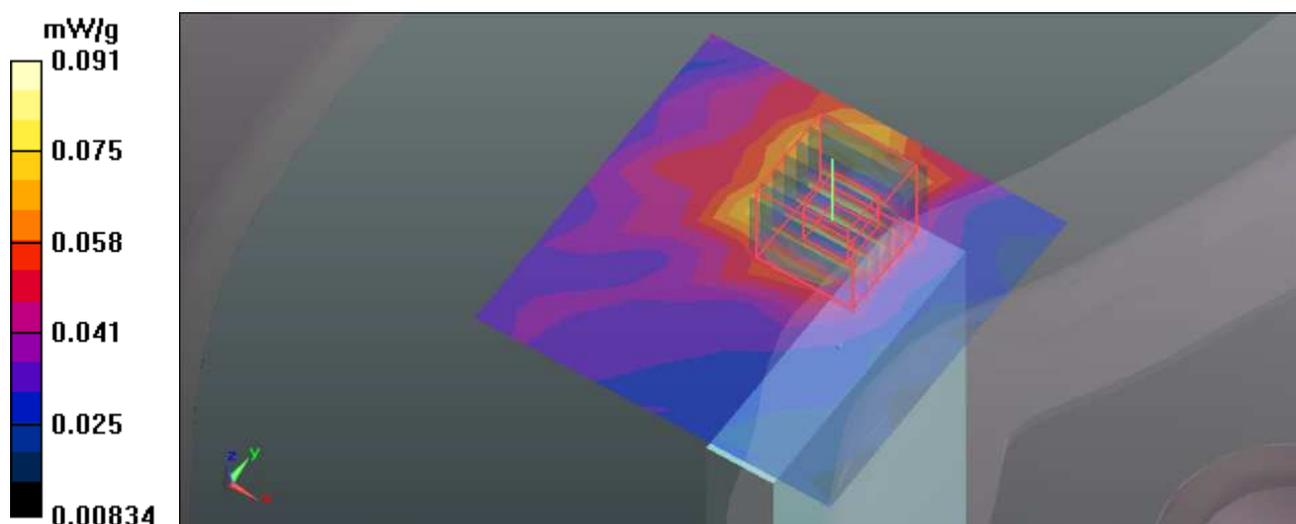
Flat-Section MSL/Flat Section 10mm Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.911 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.091 mW/g



P135_11a_BPSK_Bottom side_1cm_Ch116_Standard 1

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 49.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The bottom edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.55, 3.55, 3.55); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch116/Area Scan (9x9x1): Measurement grid:
 $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.055 mW/g

Flat-Section MSL/Flat Section 10mm Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 1.696 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.063 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.051 mW/g

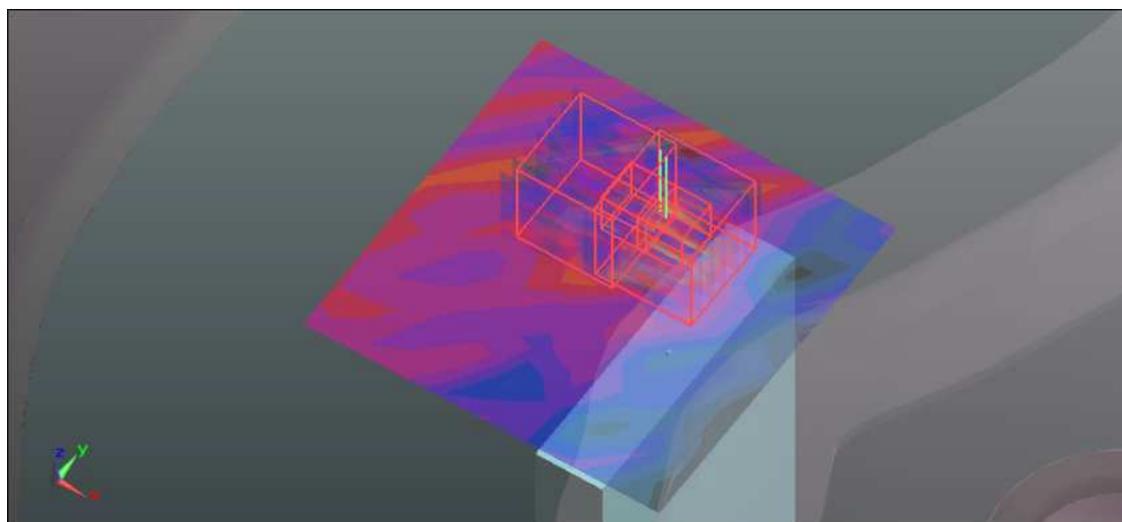
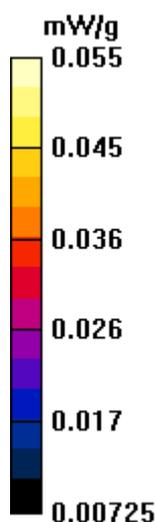
Flat-Section MSL/Flat Section 10mm Ch116/Zoom Scan (7x7x9)/Cube 1: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 1.696 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.079 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.049 mW/g



P155_11a_BPSK_Bottom side_1cm_Ch149_Standard 1

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL5800 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.09$ mho/m; $\epsilon_r = 49.68$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The bottom edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.86, 3.86, 3.86); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch149/Area Scan (9x9x1): Measurement grid:
dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.052 mW/g

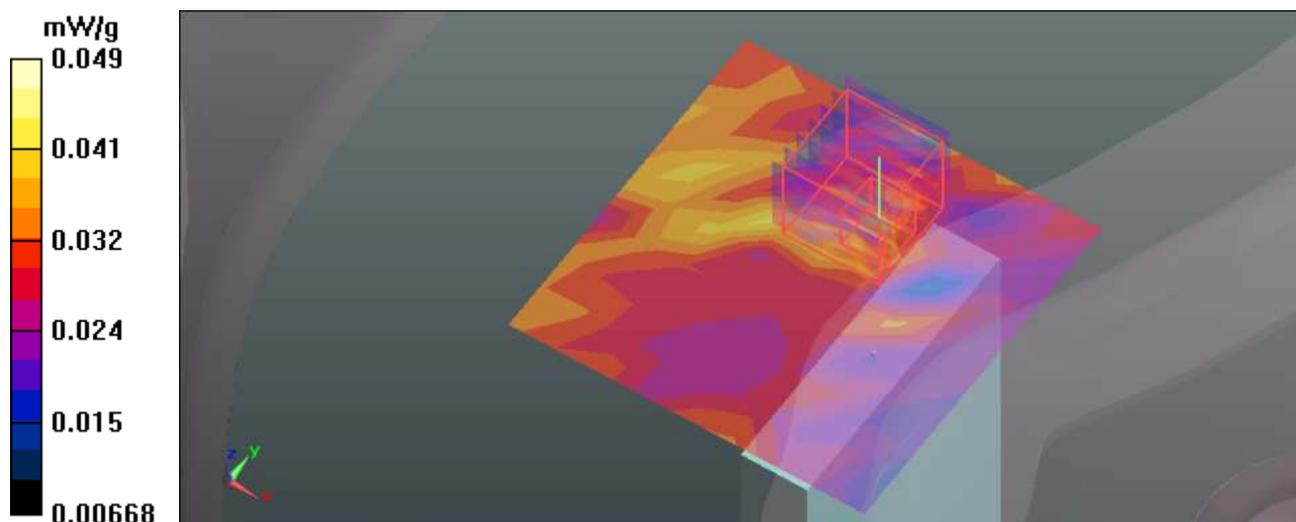
Flat-Section MSL/Flat Section 10mm Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.171 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.074 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.049 mW/g



P137_11a_BPSK_Back Face_1cm_Ch6_Extended

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 49.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.55, 3.55, 3.55); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch116/Area Scan (10x17x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.159 mW/g

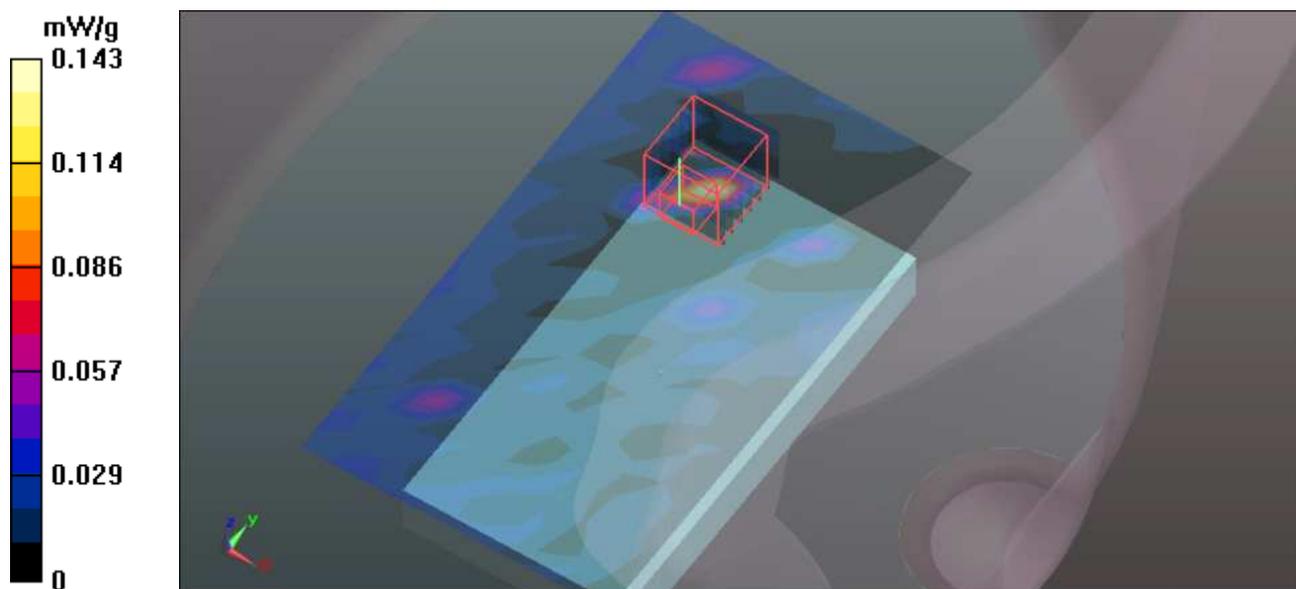
Flat-Section MSL/Flat Section 10mm Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.535 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.143 mW/g



P157_11a_BPSK_Back Face_1cm_Ch149_Extended

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.09 \text{ mho/m}$; $\epsilon_r = 49.68$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.86, 3.86, 3.86); Calibrated: 2011/1/24
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2010/10/4
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 C; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm Ch149/Area Scan (10x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.106 mW/g

Flat-Section MSL/Flat Section 10mm Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0.943 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.092 mW/g

