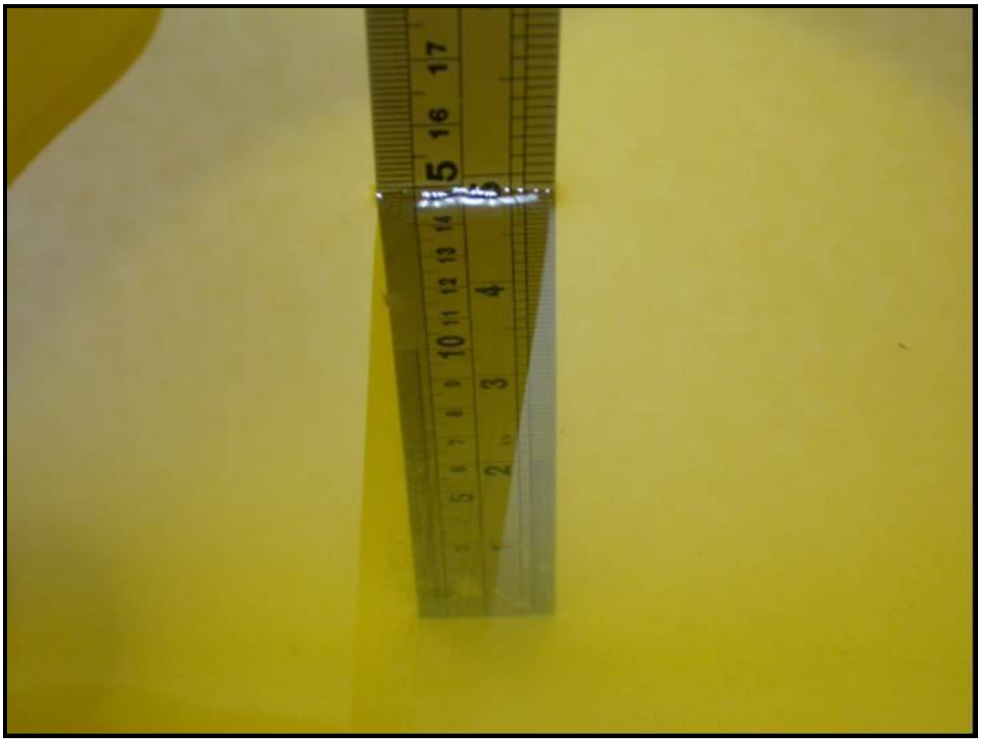
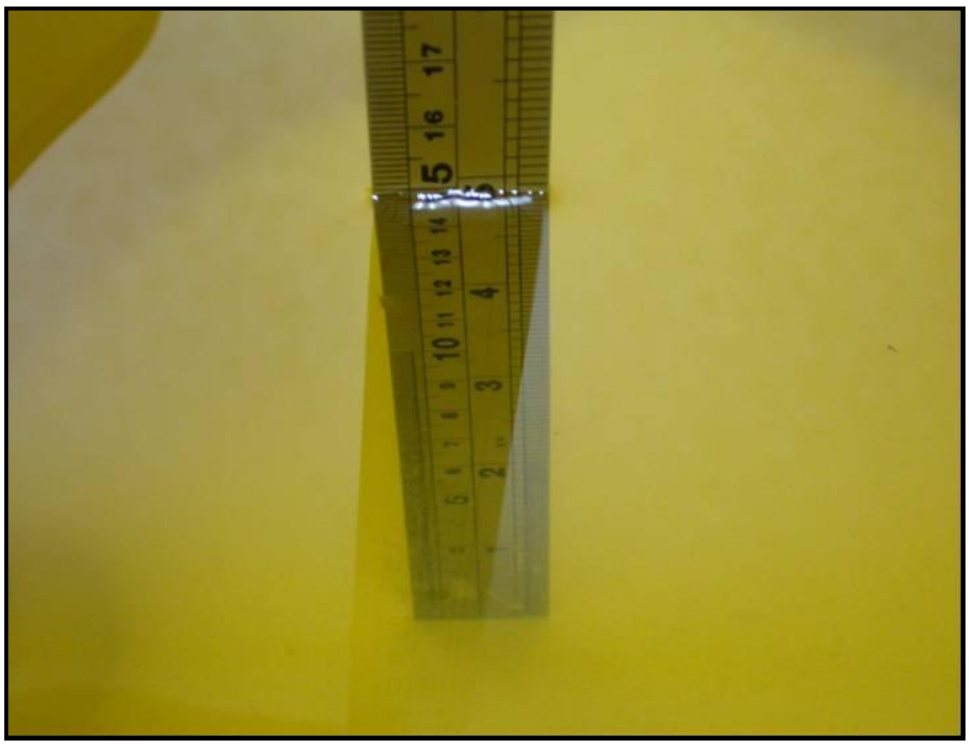
Appendix A: TEST DATA

Liquid Level Photo

Tissue 750MHz D=150mm



Tissue 835MHz D=150mm



Tissue 1900MHz D=150mm

Date: 2011/7/5

SystemPerformanceCheck-D750V2-HSL750 MHz

DUT: Dipole 750 MHz ; Type: D750V3 ; Serial: 1013 ; Test Frequency: 750 MHz

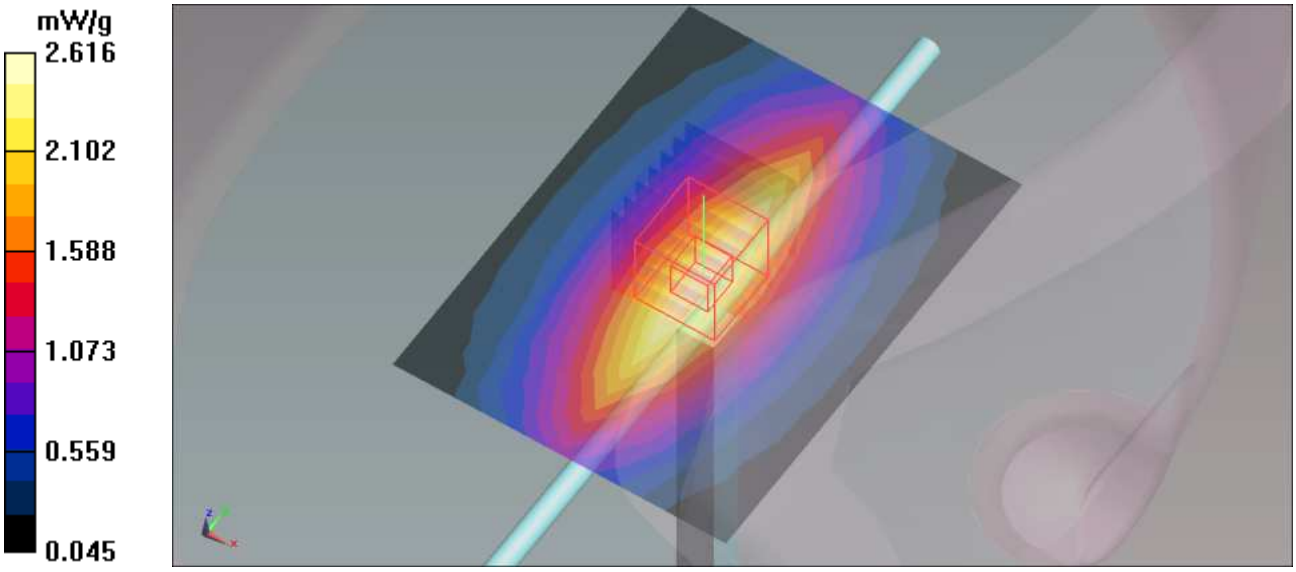
Communication System: CW ; Frequency: 750 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL750;Medium parameters used: f = 750 MHz; σ = 0.88 mho/m; ε_r = 43.38; ρ = 1000 kg/m^3 ;
Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feet point of the dipole to the Phantom)Air temp. : 22.7 degrees ; Liquid temp. : 21.6 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.616 mW/g

System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.568 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.026 W/kg
SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.37 mW/g
Maximum value of SAR (measured) = 2.214 mW/g



Date: 2011/8/9

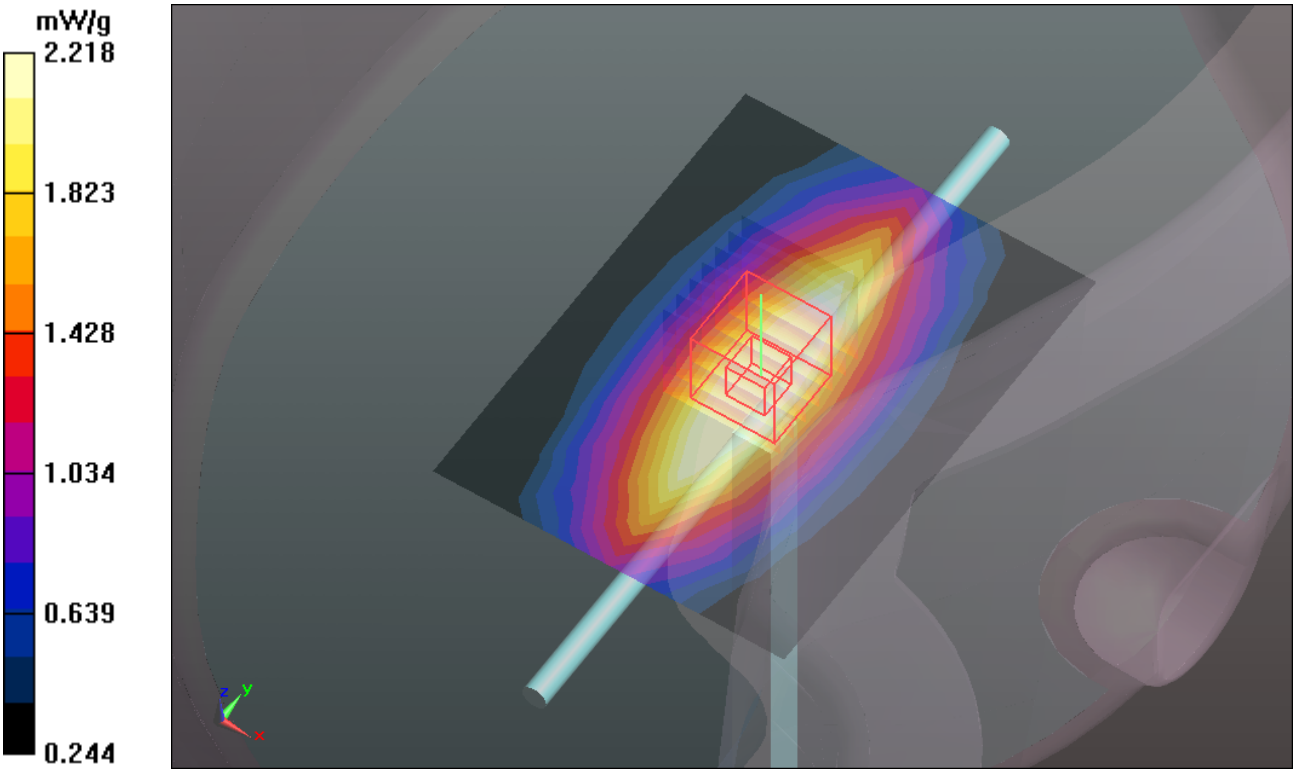
SystemPerformanceCheck-D750V2-HSL750

DUT: Dipole 750 MHz ; Type: D750V3 ; Serial: 1013 ; Test Frequency: 750 MHz
Communication System: CW ; Frequency: 750 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL750;Medium parameters used: f = 750 MHz; σ = 0.86 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3 ;
Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22 degrees ; Liquid temp. : 22.4 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.721 mW/g
System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.091 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 3.034 W/kg
SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.38 mW/g
Maximum value of SAR (measured) = 2.218 mW/g



Date: 2011/7/6

SystemPerformanceCheck-D750V2-MSL750

DUT: Dipole 750 MHz ; Type: D750V3 ; Serial: 1013 ; Test Frequency: 750 MHz

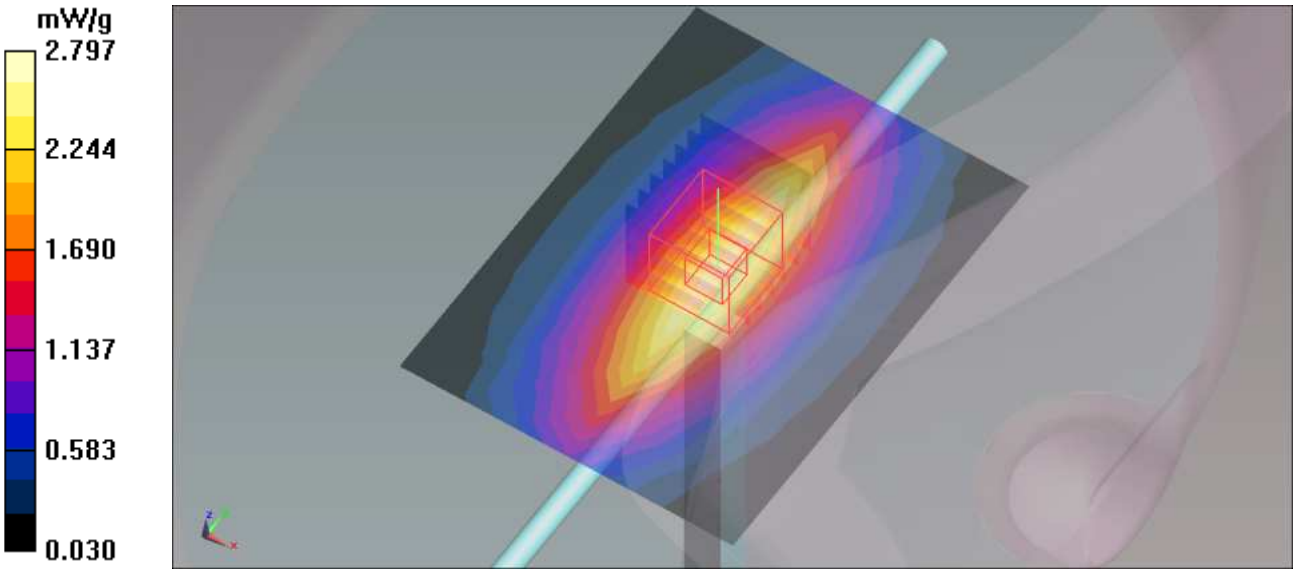
Communication System: CW ; Frequency: 750 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL750;Medium parameters used: f = 750 MHz; σ = 0.97 mho/m; ε_r = 54.73; ρ = 1000 kg/m^3 ; Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feet point of the dipole to the Phantom)Air temp. : 22.3 degrees ; Liquid temp. : 21.7 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.797 mW/g

System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.861 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.205 W/kg
SAR(1 g) = 2.17 mW/g; SAR(10 g) = 1.44 mW/g
Maximum value of SAR (measured) = 2.343 mW/g



Date: 2011/8/9

SystemPerformanceCheck-D750V2-MSL750

DUT: Dipole 750 MHz ; Type: D750V3 ; Serial: 1013 ; Test Frequency: 750 MHz

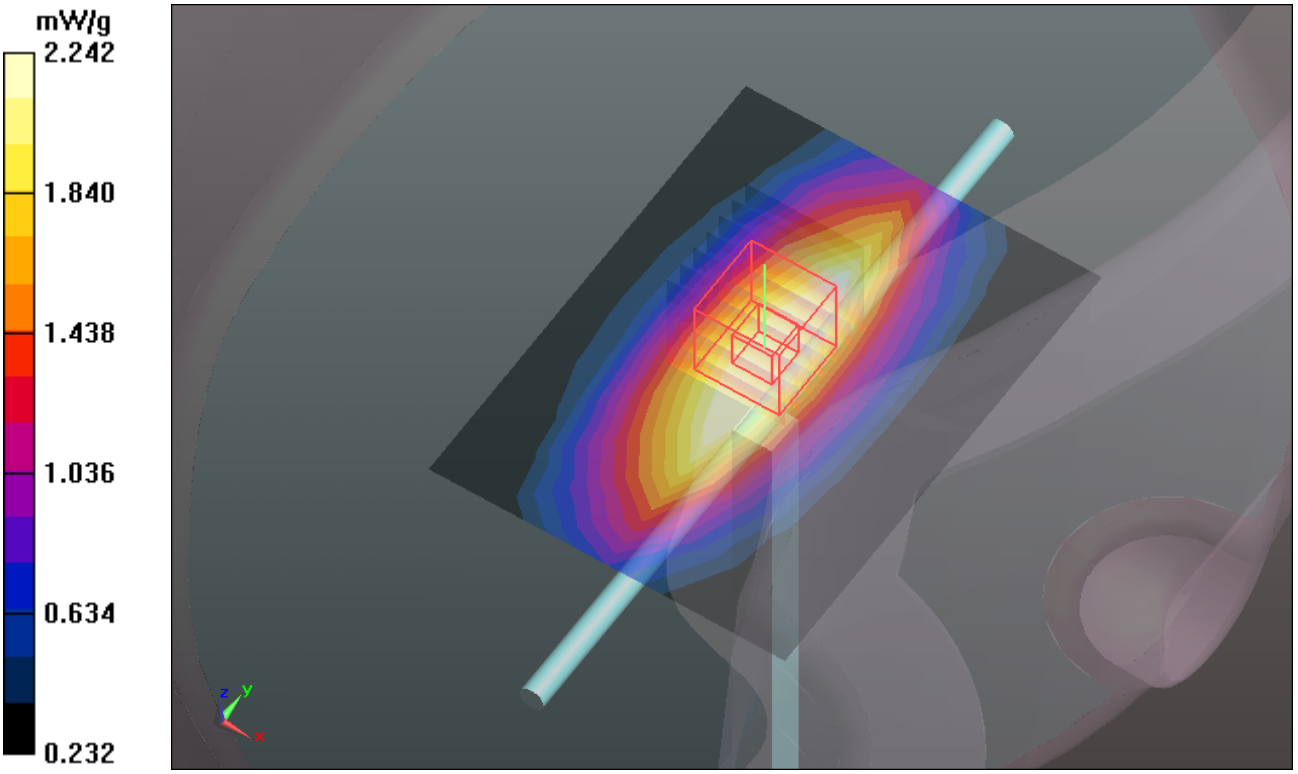
Communication System: CW ; Frequency: 750 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL750;Medium parameters used: f = 750 MHz; σ = 0.94 mho/m; ε_r = 54.42; ρ = 1000 kg/m^3 ;
Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22 degrees ; Liquid temp. : 22.4 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.572 mW/g

System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.167 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 3.079 W/kg
SAR(1 g) = 2.08 mW/g; SAR(10 g) = 1.37 mW/g
Maximum value of SAR (measured) = 2.242 mW/g



Date: 2011/7/1

SystemPerformanceCheck-D835V2-HSL835 MHz

DUT: Dipole 835 MHz D835V2 ; Type: D835V2 ; Serial: D835V2 - SN:4d021 ; Test Frequency: 835 MHz

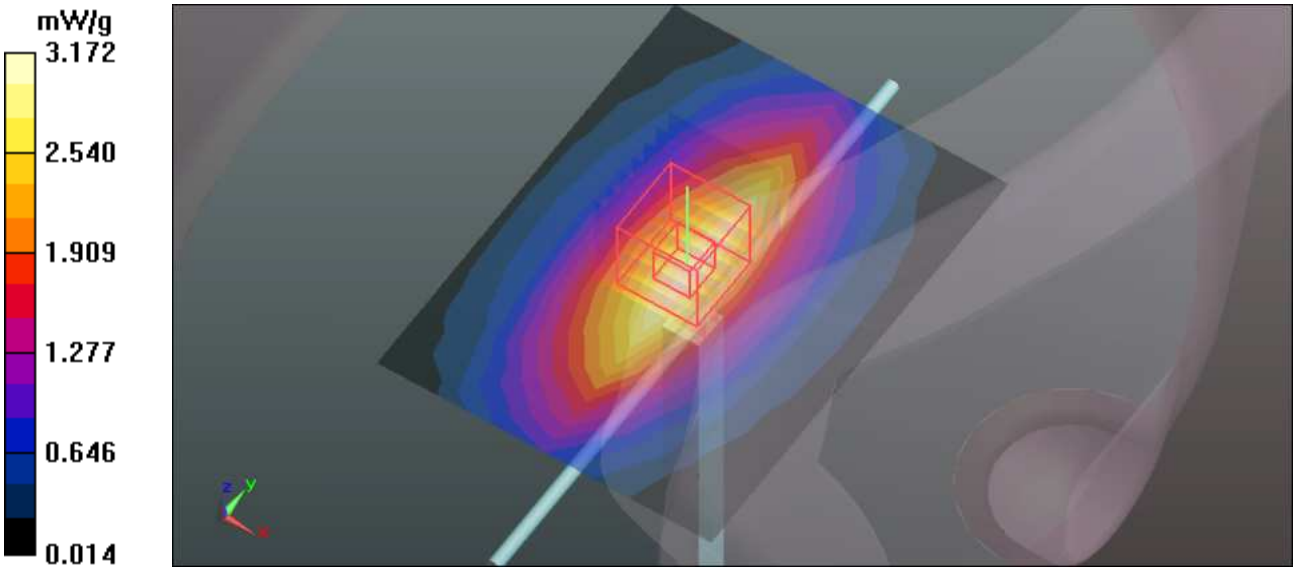
Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL835;Medium parameters used: f = 835 MHz; σ = 0.91 mho/m; ε_r = 42.88; ρ = 1000 kg/m^3 ;
Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feet point of the dipole to the Phantom)Air temp. : 22.6 degrees ; Liquid temp. : 21.5 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.172 mW/g

System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.611 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 3.685 W/kg
SAR(1 g) = 2.41 mW/g; SAR(10 g) = 1.57 mW/g
Maximum value of SAR (measured) = 2.60 mW/g



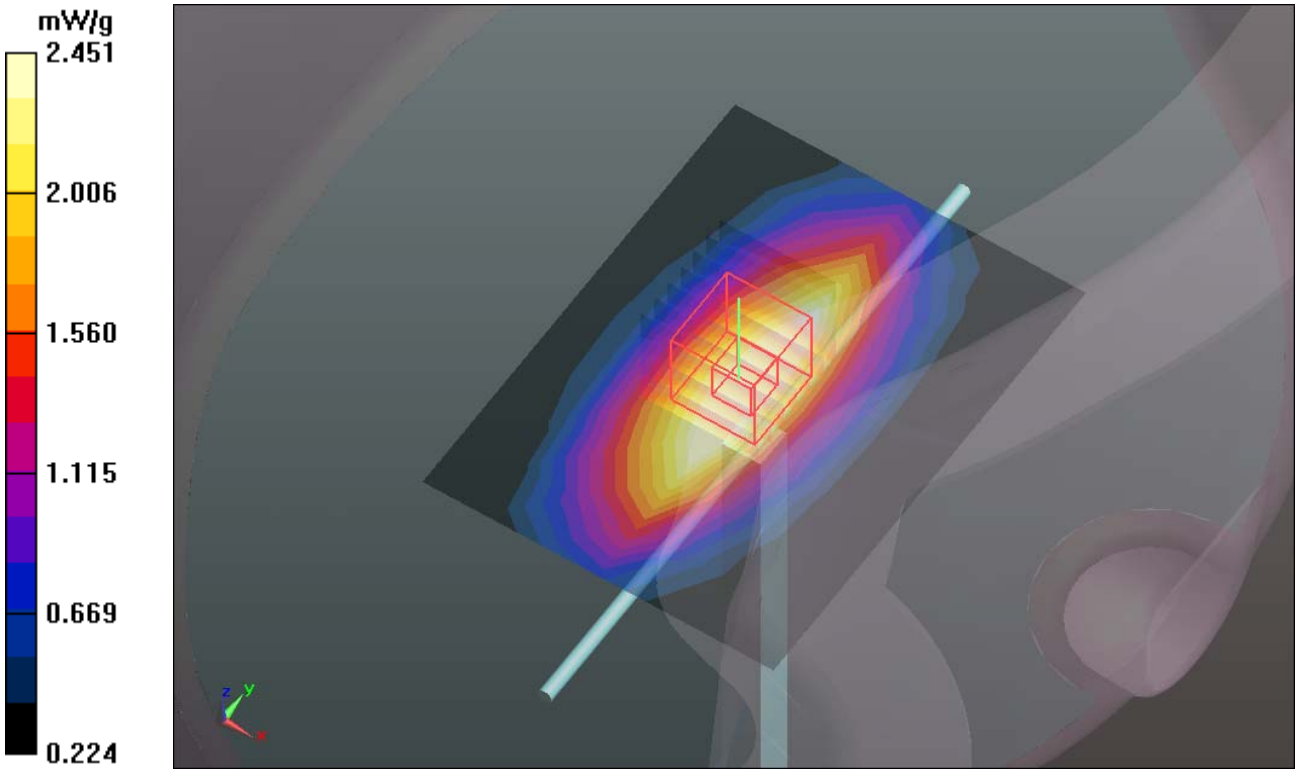
SystemPerformanceCheck-D835V2-HSL835

DUT: Dipole 835 MHz D835V2 ; Type: D835V2 ; Serial: D835V2 - SN:4d021 ; Test Frequency: 835 MHz
Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL835;Medium parameters used: f = 835 MHz; σ = 0.9 mho/m; ε_r = 42.63; ρ = 1000 kg/m^3 ; Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.2 degrees ; Liquid temp. : 22.1 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.864 mW/g
System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.370 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.404 W/kg
SAR(1 g) = 2.27 mW/g; SAR(10 g) = 1.48 mW/g
Maximum value of SAR (measured) = 2.451 mW/g



Date: 2011/7/2

SystemPerformanceCheck-D835V2-MSL835 MHz

DUT: Dipole 835 MHz D835V2 ; Type: D835V2 ; Serial: D835V2 - SN:4d021 ; Test Frequency: 835 MHz

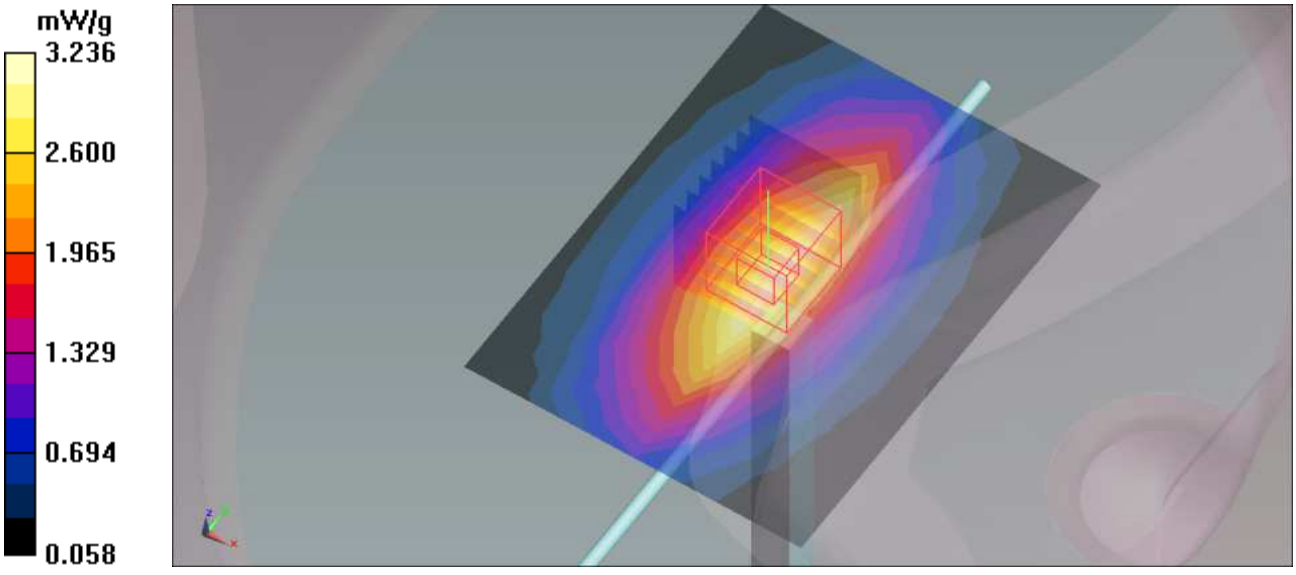
Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL835;Medium parameters used: f = 835 MHz; σ = 0.99 mho/m; ε_r = 56.82; ρ = 1000 kg/m^3 ; Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feet point of the dipole to the Phantom)Air temp. : 22.1 degrees ; Liquid temp. : 21.2 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.236 mW/g

System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.726 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.759 W/kg
SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.61 mW/g
Maximum value of SAR (measured) = 2.652 mW/g



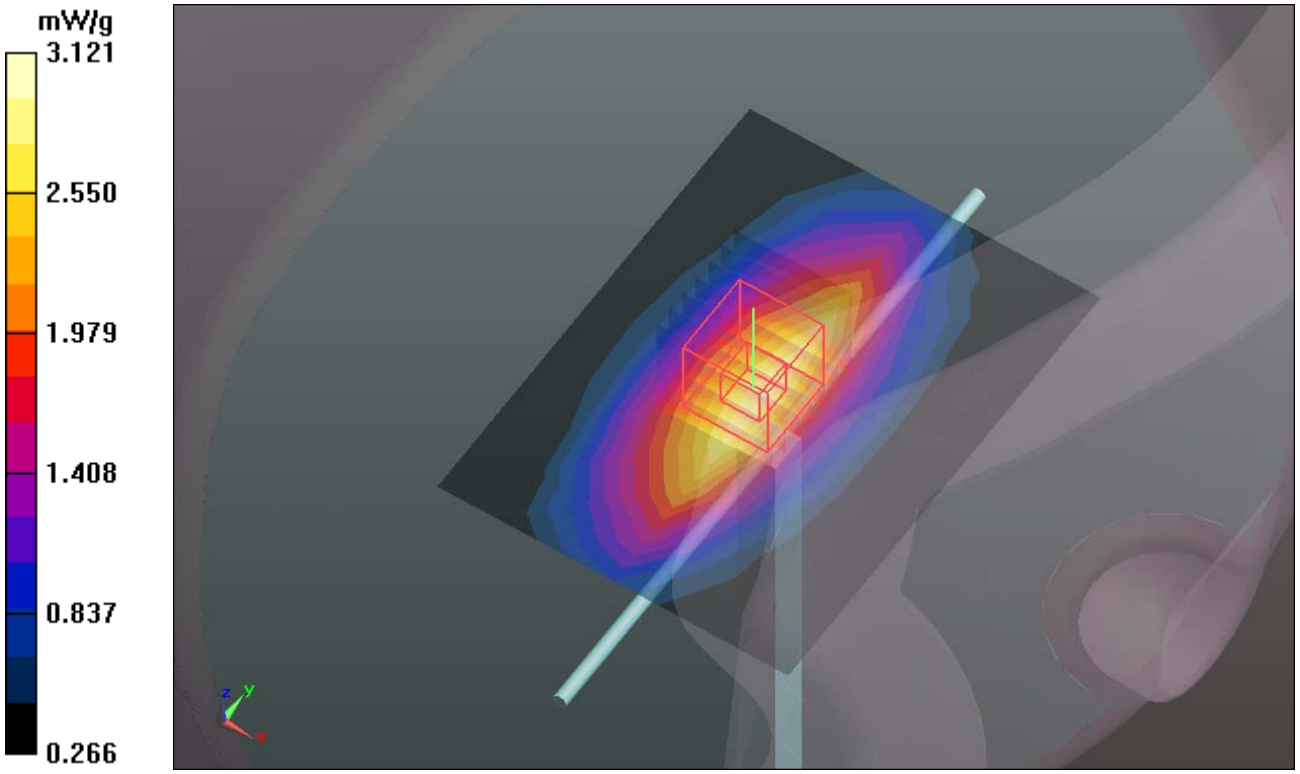
SystemPerformanceCheck-D835V2-MSL835

DUT: Dipole 835 MHz D835V2 ; Type: D835V2 ; Serial: D835V2 - SN:4d021 ; Test Frequency: 835 MHz
Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL835;Medium parameters used: f = 835 MHz; σ = 0.96 mho/m; ε_r = 56.41; ρ = 1000 kg/m^3 ;
Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.3 degrees ; Liquid temp. : 22.2 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.020 mW/g
System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.154 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.714 W/kg
SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.58 mW/g
Maximum value of SAR (measured) = 3.121 mW/g



Date: 2011/7/3

SystemPerformanceCheck-D1900V2-HSL1900 MHz

DUT: Dipole 1900 MHz D1900V2 ; Type: D1900V2 ; Serial: D1900V2 - SN:5d022 ; Test Frequency: 1900 MHz

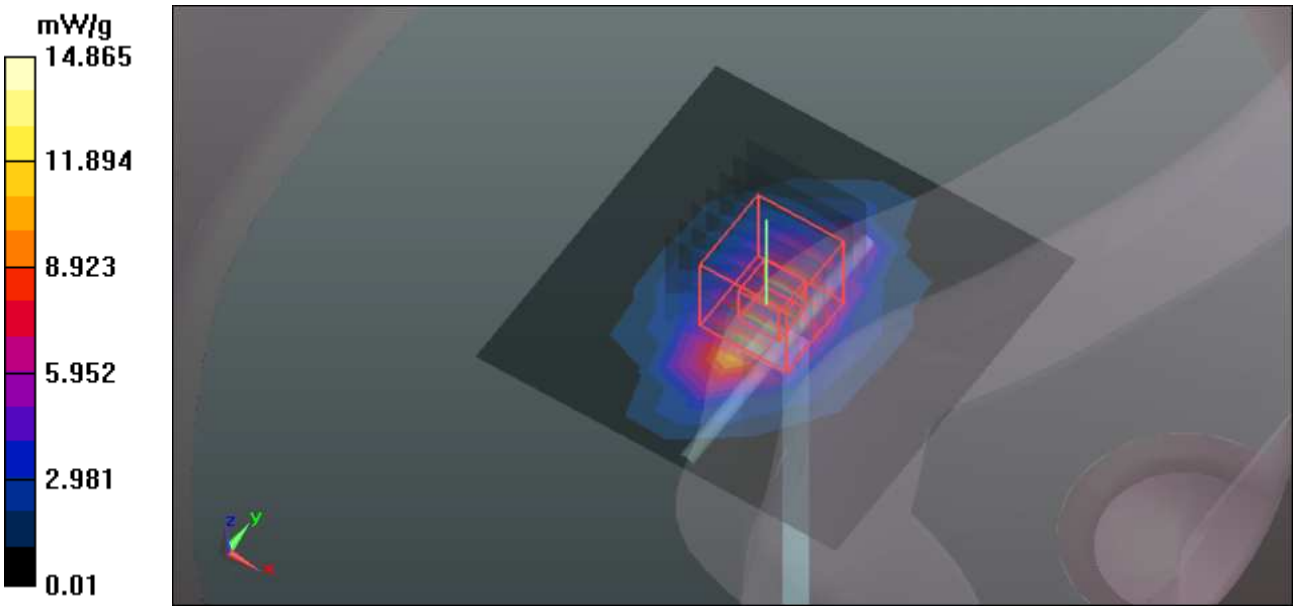
Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL1900;Medium parameters used: f = 1900 MHz; σ = 1.43 mho/m; ε_r = 41.25; ρ = 1000 kg/m^3 ; Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.4 degrees ; Liquid temp. : 21.3 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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) = 14.865 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 = 98.694 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 18.914 W/kg
SAR(1 g) = 9.9 mW/g; SAR(10 g) = 5.06 mW/g
Maximum value of SAR (measured) = 11.080 mW/g



SystemPerformanceCheck-D1900V2-HSL1900

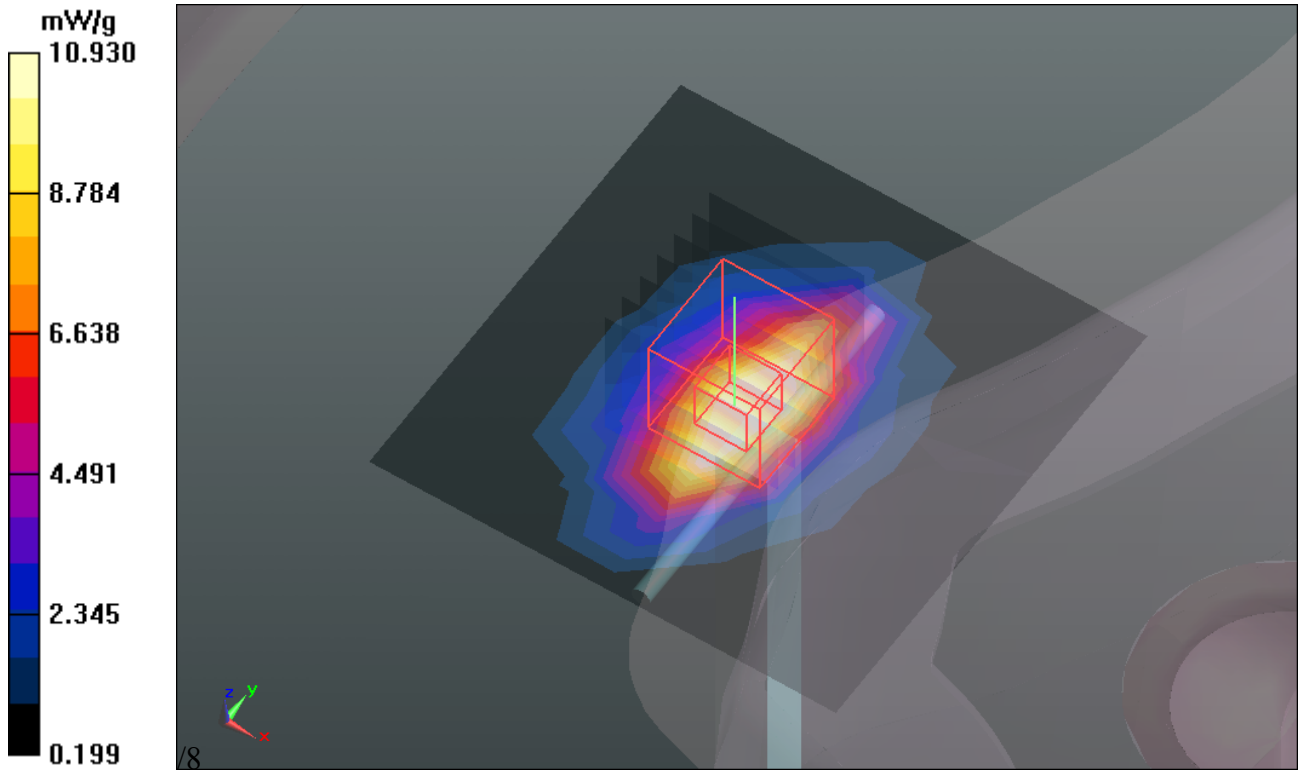
DUT: Dipole 1900 MHz D1900V2 ; Type: D1900V2 ; Serial: D1900V2 - SN:5d022 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL1900;Medium parameters used: f = 1900 MHz; σ = 1.4 mho/m; ε_r = 40.98; ρ = 1000 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. : 21.4 degrees ; Liquid temp. : 22.1 degrees
DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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) = 13.768 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 = 100.0 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 18.099 W/kg
SAR(1 g) = 9.7 mW/g; SAR(10 g) = 5.03 mW/g
Maximum value of SAR (measured) = 10.930 mW/g



Date: 2011/7/4

SystemPerformanceCheck-D1900V2-MSL1900 MHz

DUT: Dipole 1900 MHz D1900V2 ; Type: D1900V2 ; Serial: D1900V2 - SN:5d022 ; Test Frequency: 1900 MHz

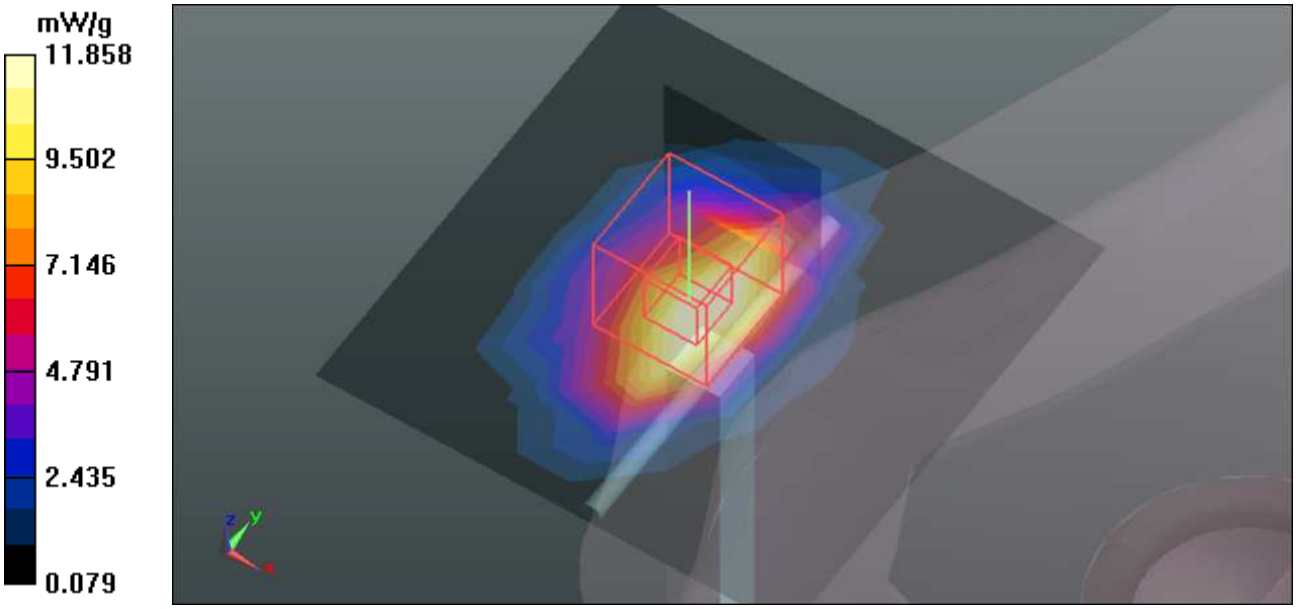
Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL1900;Medium parameters used: f = 1900 MHz; σ = 1.54 mho/m; ε_r = 54.49; ρ = 1000 kg/m^3 ; Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.2 degrees ; Liquid temp. : 21.3 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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) = 13.758 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 = 96.593 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 19.99 W/kg
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.35 mW/g
Maximum value of SAR (measured) = 11.858 mW/g



SystemPerformanceCheck-D1900V2-MSL1900

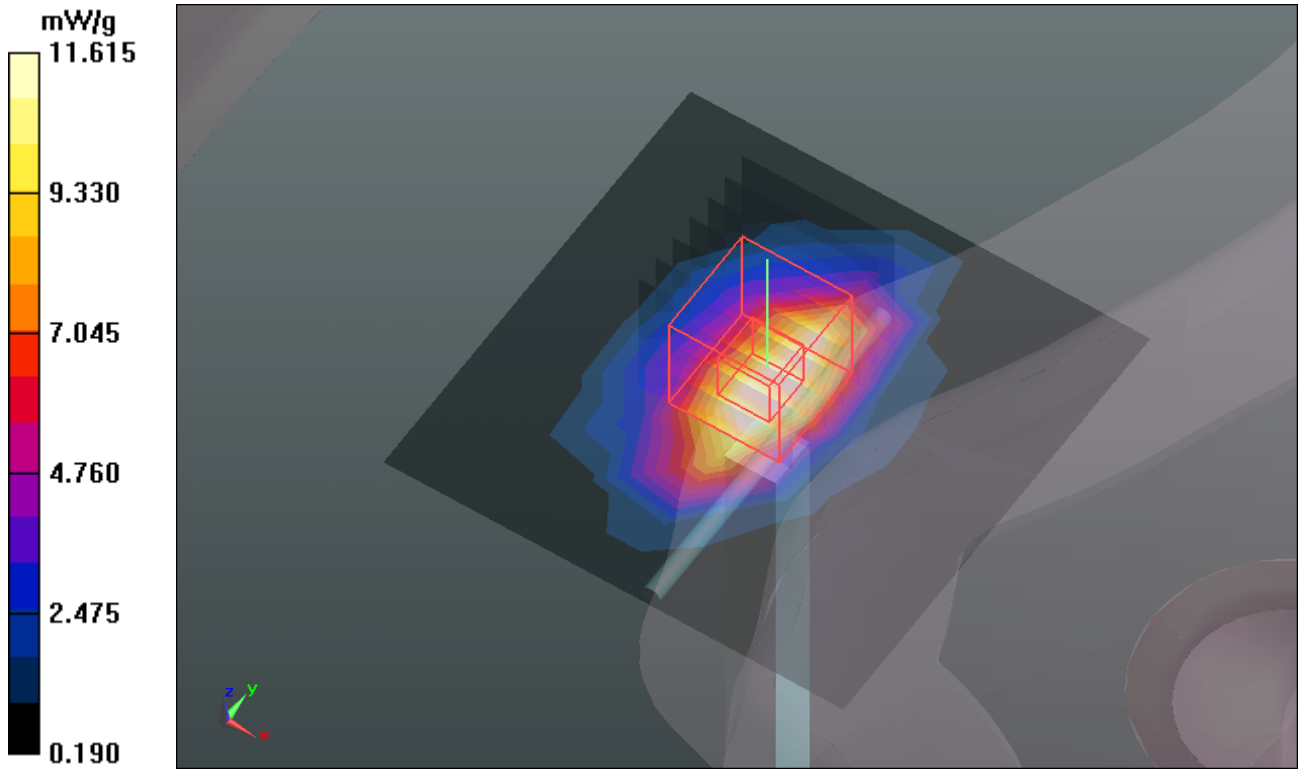
DUT: Dipole 1900 MHz D1900V2 ; Type: D1900V2 ; Serial: D1900V2 - SN:5d022 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL1900_0810;Medium parameters used: f = 1900 MHz; σ = 1.51 mho/m; ε_r = 54.05; ρ = 1000 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. : 22.1 degrees ; Liquid temp. : 22.5 degrees
DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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) = 13.810 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 = 95.442 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 19.422 W/kg
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.25 mW/g
Maximum value of SAR (measured) = 11.615 mW/g



Date: 2011/7/1

P09_CDMA2000 BC0_RC3+SO55_Right Head Cheek_Ch384_Standard 1

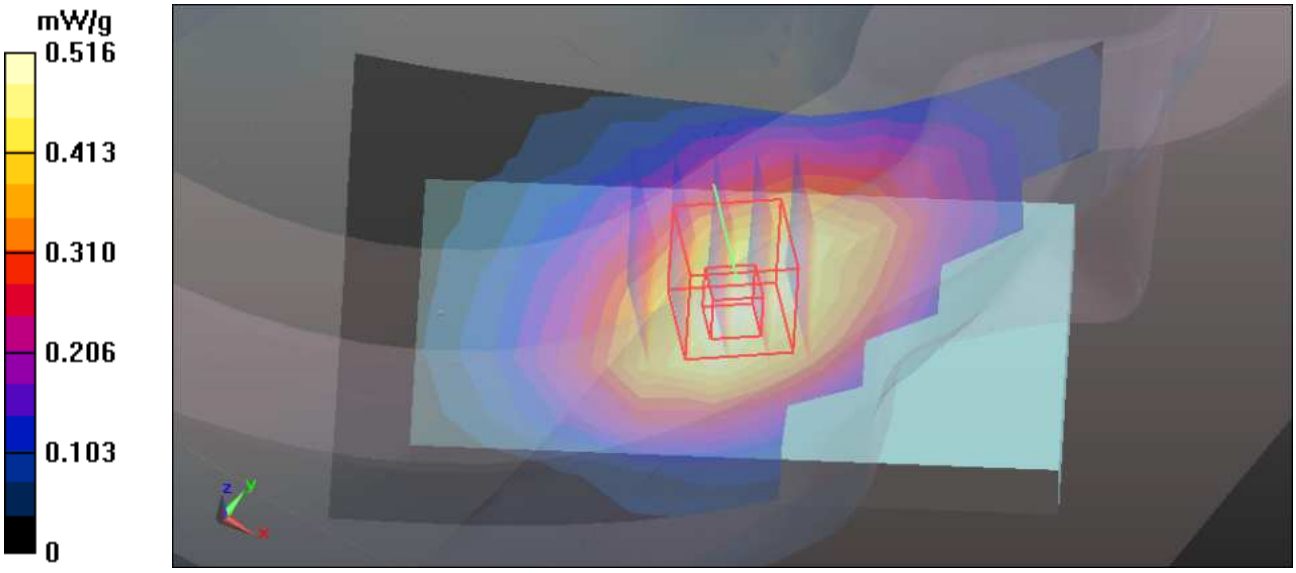
Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.516 mW/g

Right-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.044 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.555 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.340 mW/g
Maximum value of SAR (measured) = 0.501 mW/g



Date: 2011/7/1

P10_CDMA2000 BC0_RC3+SO55_Right Head Tilt_Ch384_Standard 1

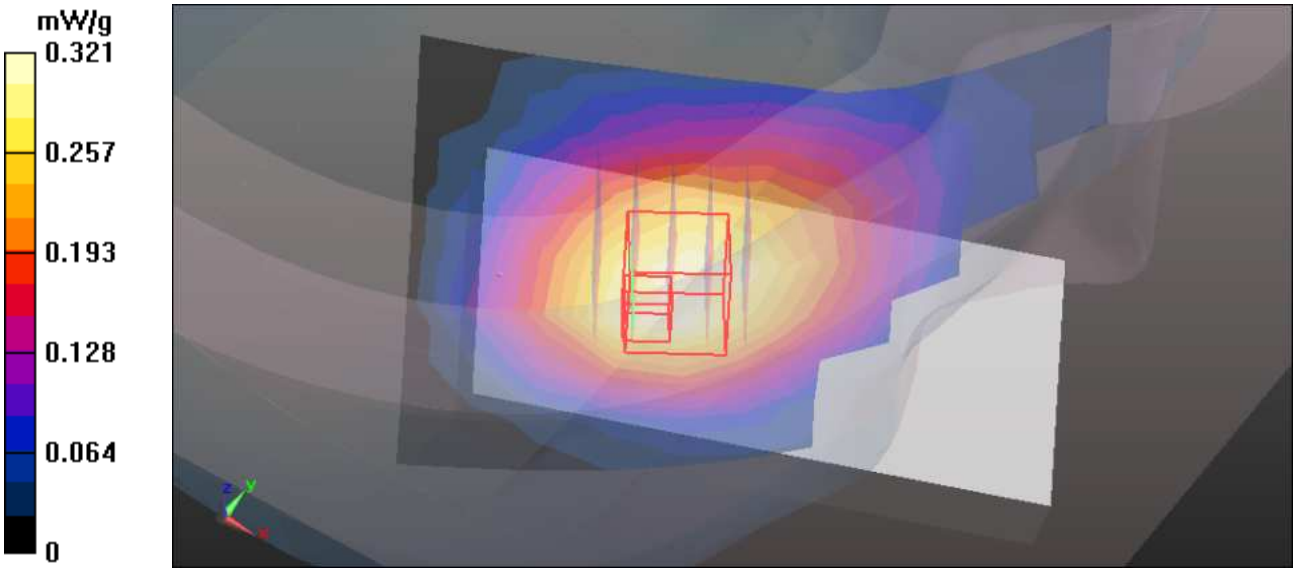
Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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/Tilt Position - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.321 mW/g

Right-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.210 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.290 W/kg
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.168 mW/g
Maximum value of SAR (measured) = 0.261 mW/g



Date: 2011/7/1

P11_CDMA2000 BC0_RC3+SO55_Left Head Cheek_Ch384_Standard 1

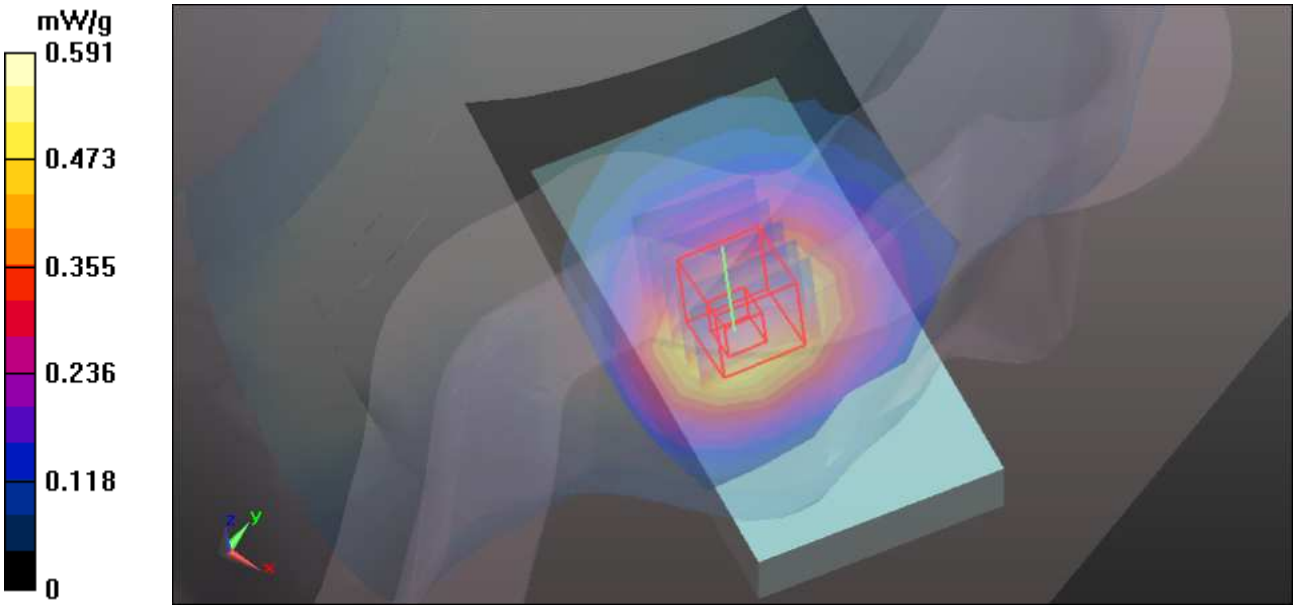
Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.591 mW/g

Left-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.922 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.663 W/kg
SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.384 mW/g
Maximum value of SAR (measured) = 0.597 mW/g



Date: 2011/7/1

P12_CDMA2000 BC0_RC3+SO55_Left Head Tilt_Ch384_Standard 1

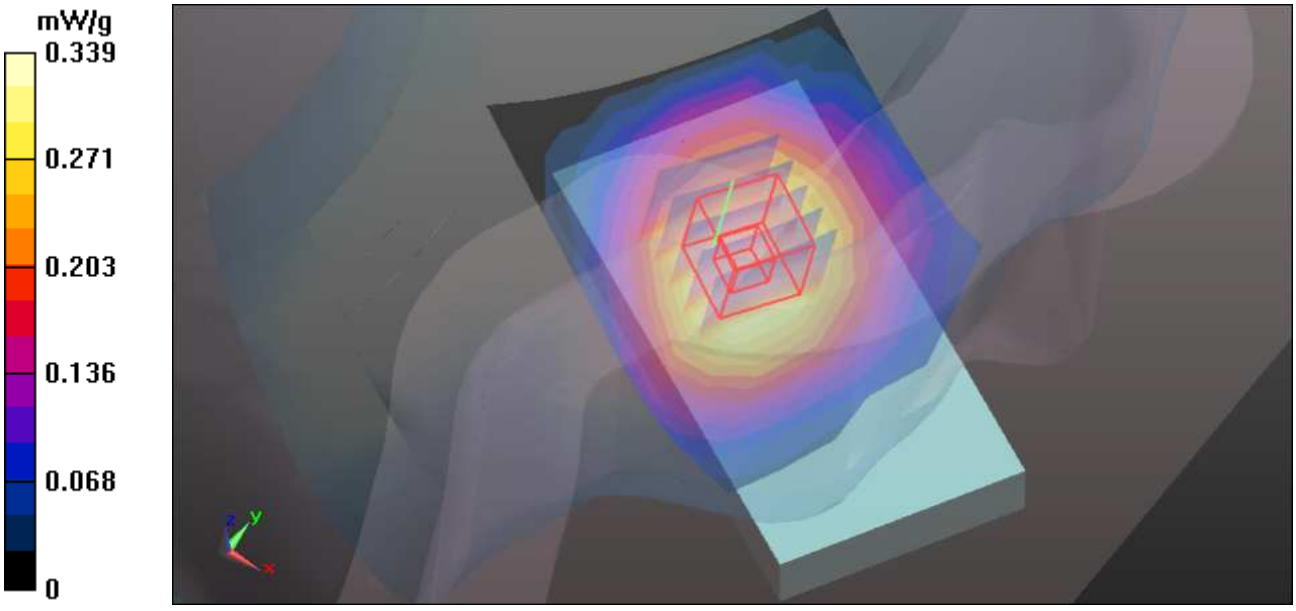
Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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/Tilt Position - Mid/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.339 mW/g

Left-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.331 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.233 mW/g
Maximum value of SAR (measured) = 0.340 mW/g



Date: 2011/7/1

P53_CDMA2000 BC0_RC3+SO55_Left Head Cheek_Ch384_Extended

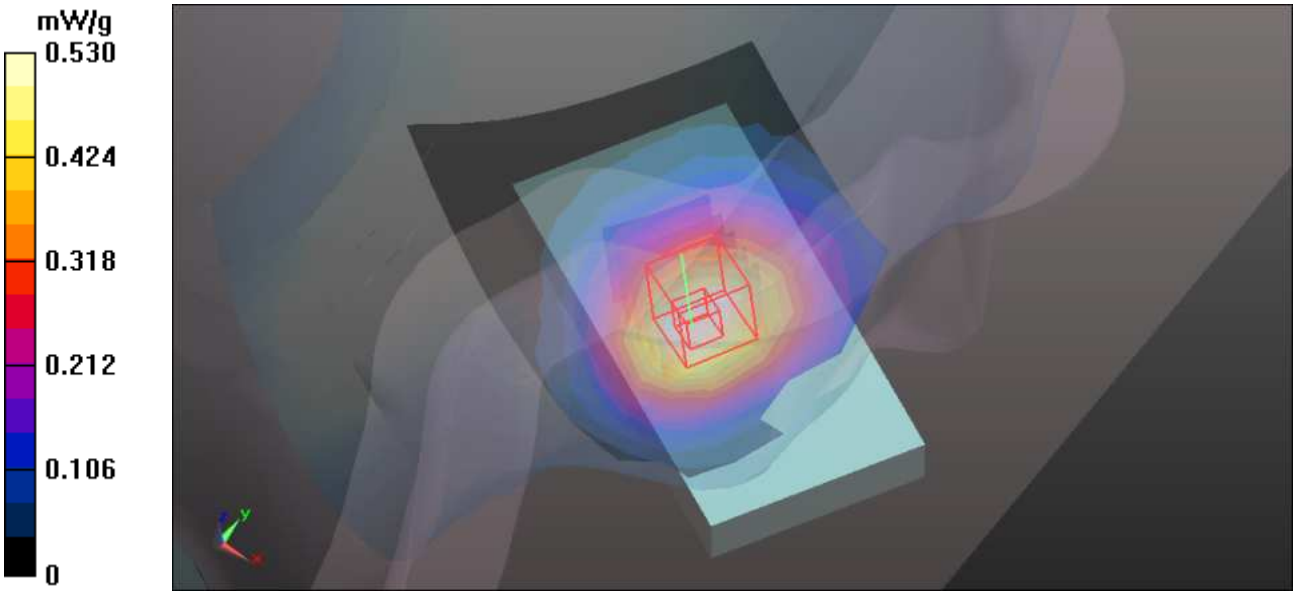
Communication System: CDMA ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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=15mm, dy=15mm
Maximum value of SAR (measured) = 0.530 mW/g

Left-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.880 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.619 W/kg
SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.369 mW/g
Maximum value of SAR (measured) = 0.562 mW/g



Date: 2011/7/1

P01_CDMA2000 BC0_PTAP 153.6_Right Head Cheek_Ch1013_Standard 1

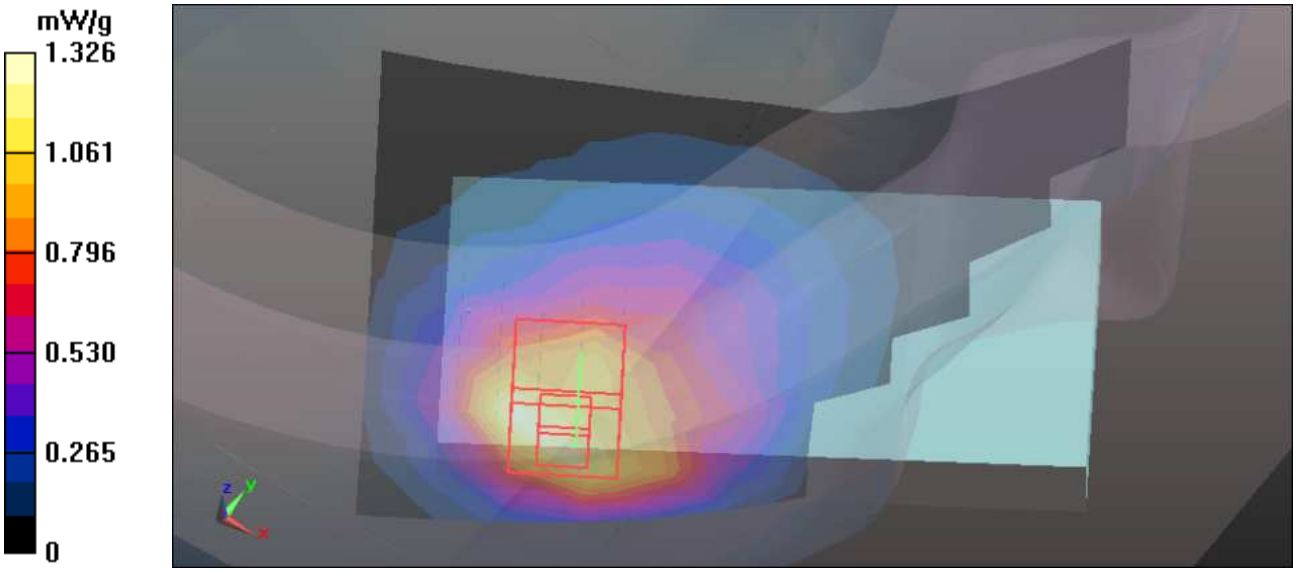
Communication System: EVDO850 ; Frequency: 824.7 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used : f = 824.7 MHz; σ = 0.9 mho/m; ε_r = 42.99; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - Low/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.326 mW/g

Right-Hand-Side HSL/Touch Position - Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.176 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.851 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.634 mW/g
Maximum value of SAR (measured) = 1.417 mW/g



Date: 2011/7/1

P02_CDMA2000 BC0_PTAP153.6_Right Head Cheek_Ch384_Standard 1

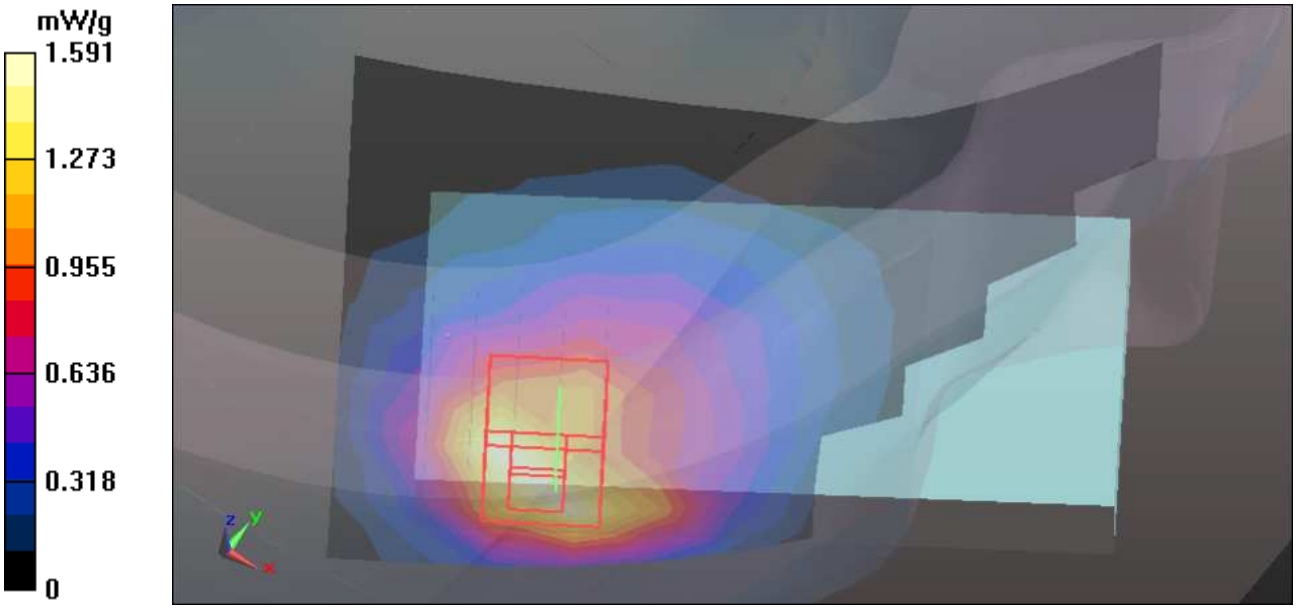
Communication System: EVDO850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.591 mW/g

Right-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.946 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.172 W/kg
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.751 mW/g
Maximum value of SAR (measured) = 1.651 mW/g



Date: 2011/7/1

P03_CDMA2000 BC0_PTAP153.6Right Head Cheek_Ch777_Standard 1

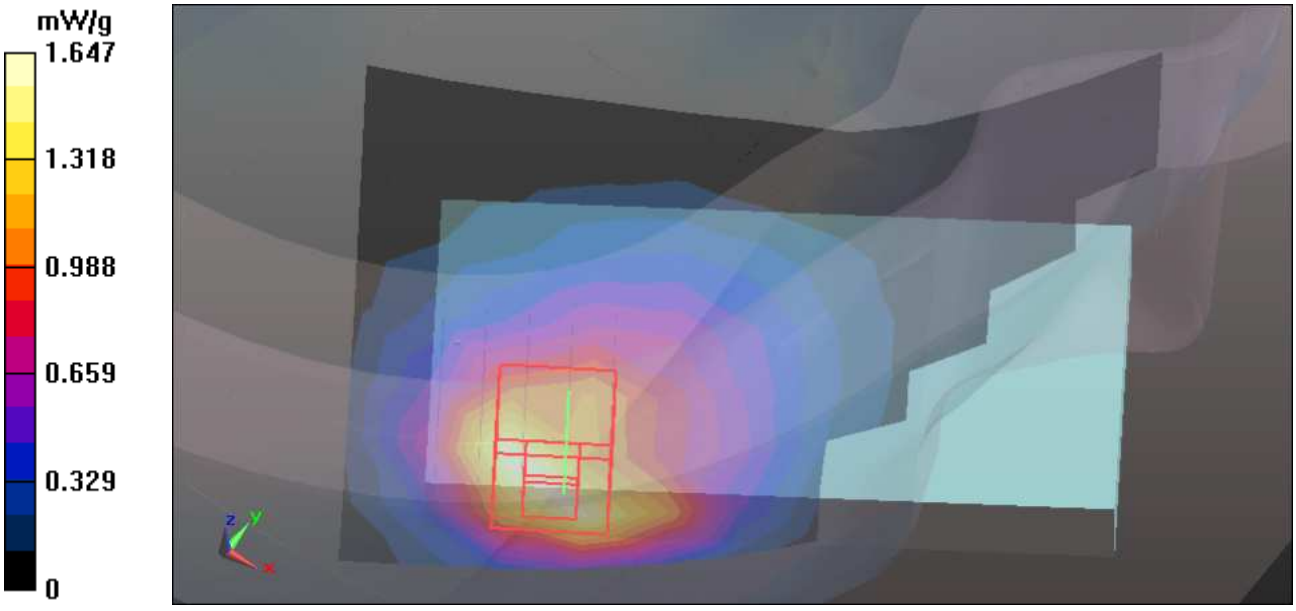
Communication System: EVDO850 ; Frequency: 848.3 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 848.3 MHz; σ = 0.93 mho/m; ε_r = 42.69; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: HPSK

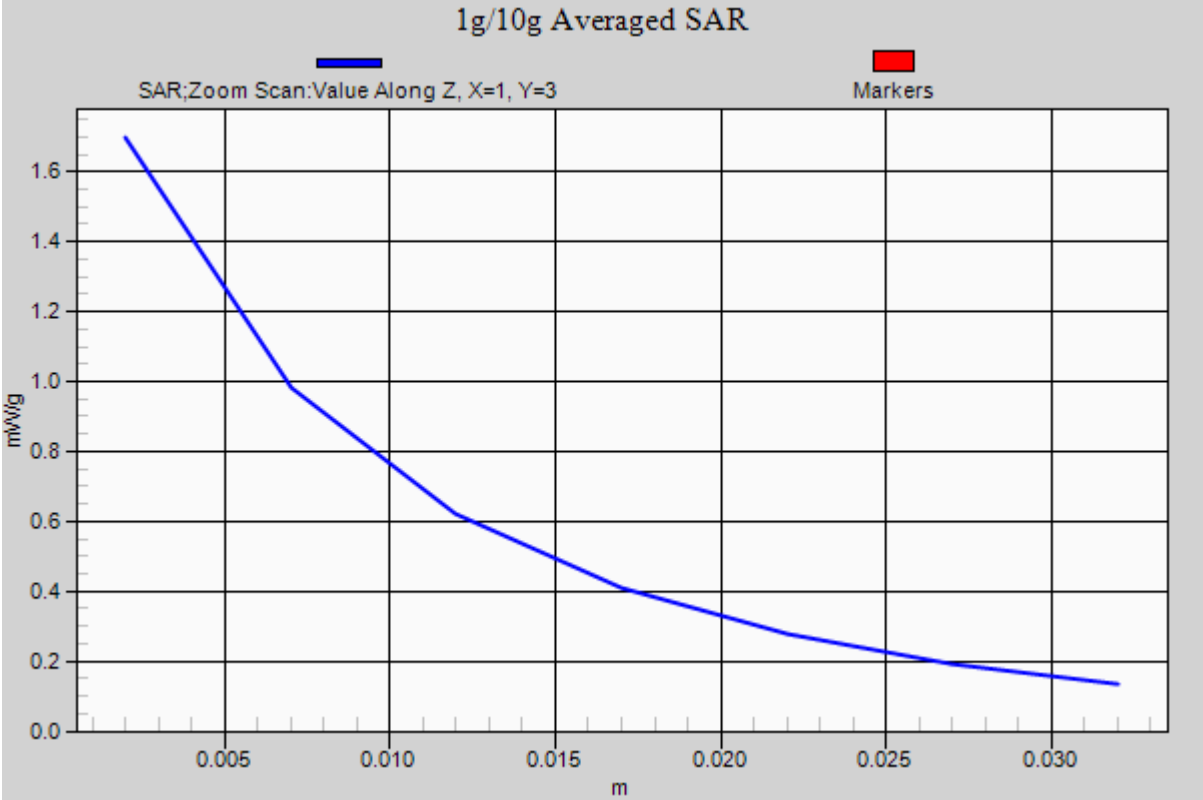
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - High/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.647 mW/g

Right-Hand-Side HSL/Touch Position - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.893 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.228 W/kg
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.760 mW/g
Maximum value of SAR (measured) = 1.697 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=1, Y=3
Markers
mW/g
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

Date: 2011/7/1

P04_CDMA2000 BC0_PTAP153.6_Right Head Tilt_Ch384_Standard 1

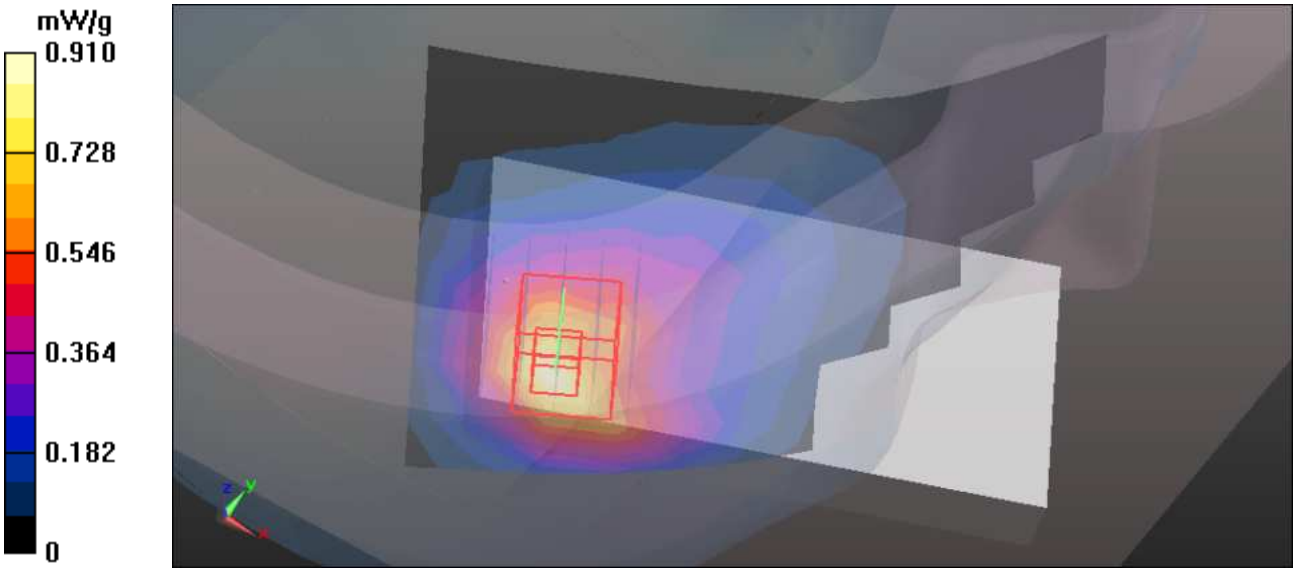
Communication System: EVDO850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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/Tilt Position - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.910 mW/g

Right-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.088 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.125 W/kg
SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.411 mW/g
Maximum value of SAR (measured) = 0.904 mW/g



Date: 2011/7/1

P05_CDMA2000 BC0_PTAP153.6_Left Head Cheek_Ch1013_Standard 1

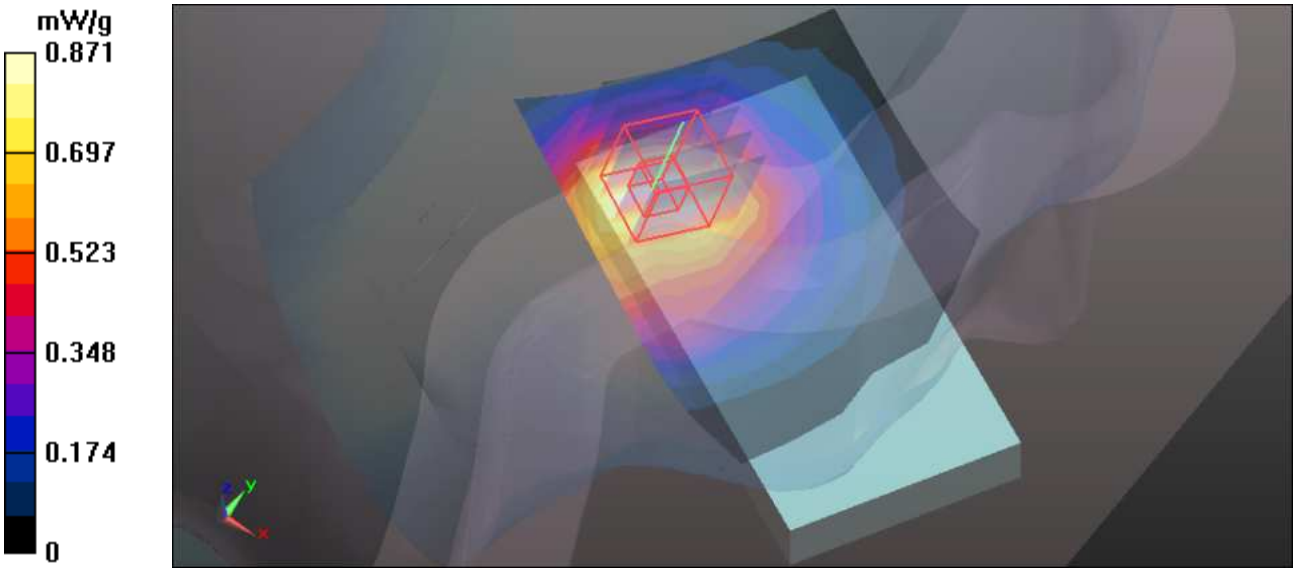
Communication System: EVDO850 ; Frequency: 824.7 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used : f = 824.7 MHz; σ = 0.9 mho/m; ε_r = 42.99; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - Low/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.871 mW/g

Left-Hand-Side HSL/Touch Position - Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.321 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.110 W/kg
SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.474 mW/g
Maximum value of SAR (measured) = 0.925 mW/g



Date: 2011/7/1

P06_CDMA2000 BC0_PTAP153.6_Left Head Cheek_Ch384_Standard 1

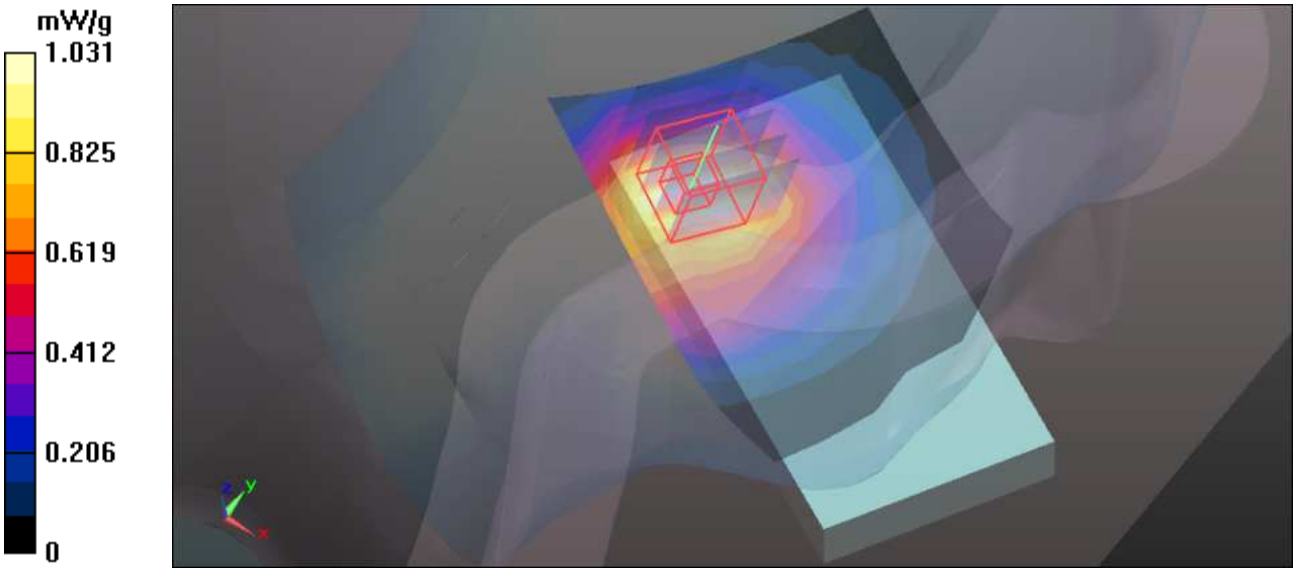
Communication System: EVDO850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.031 mW/g

Left-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.797 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.287 W/kg
SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.545 mW/g
Maximum value of SAR (measured) = 1.068 mW/g



Date: 2011/7/1

P07_CDMA2000 BC0_PTAP153.6_Left Head Cheek_Ch777_Standard 1

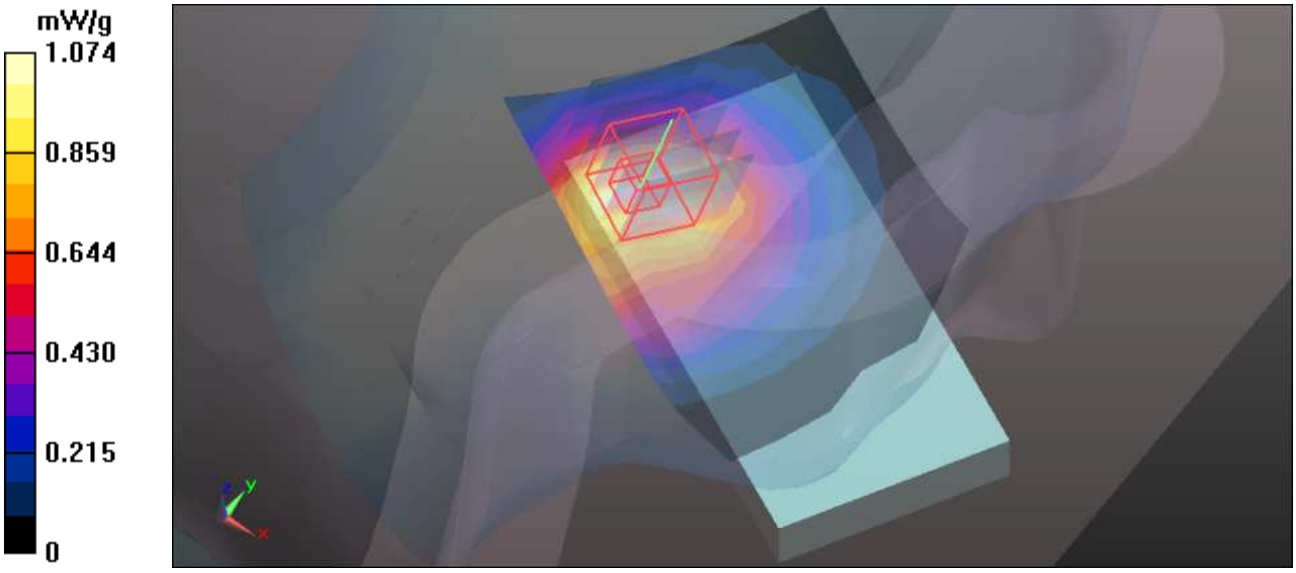
Communication System: EVDO850 ; Frequency: 848.3 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 848.3 MHz; σ = 0.93 mho/m; ε_r = 42.69; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - High/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.074 mW/g

Left-Hand-Side HSL/Touch Position - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.928 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.348 W/kg
SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.563 mW/g
Maximum value of SAR (measured) = 1.116 mW/g



Date: 2011/7/1

P08_CDMA2000 BC0_PTAP153.6_Left Head-Tilt_Ch384_Standard 1

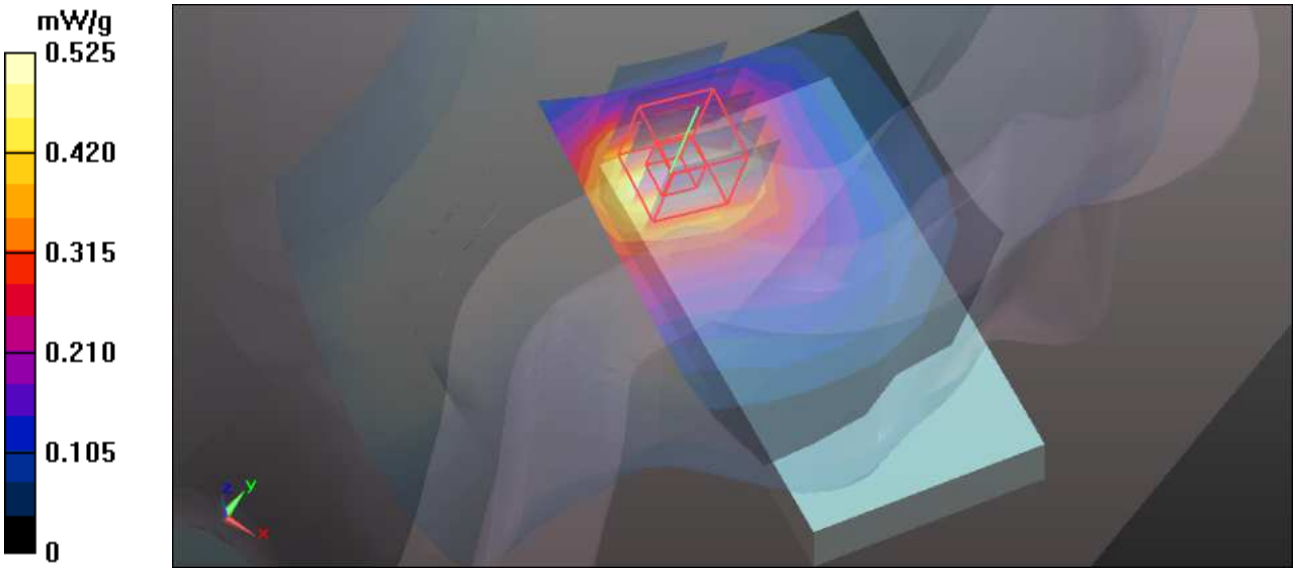
Communication System: EVDO850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.5 MHz; σ = 0.92 mho/m; ε_r = 42.81; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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/Tilt Position - Mid/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.525 mW/g

Left-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.921 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.623 W/kg
SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.284 mW/g
Maximum value of SAR (measured) = 0.531 mW/g



Date: 2011/7/1

P51_CDMA2000 BC0_PTAP 153.6_Right Head Cheek_Ch777_Extended

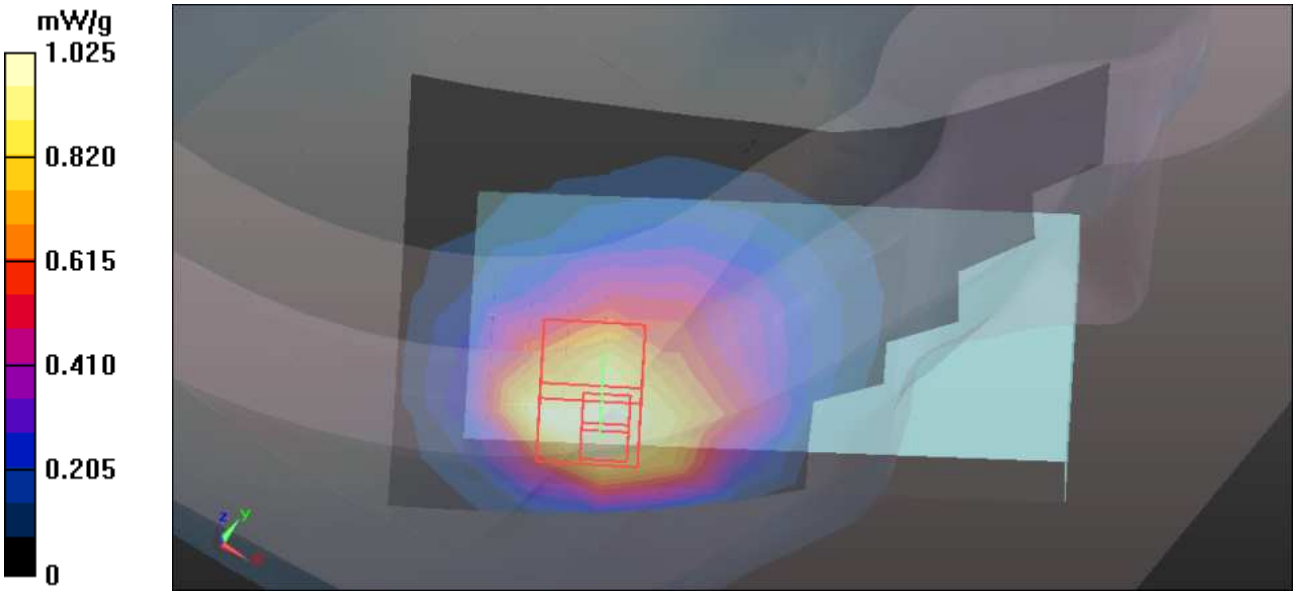
Communication System: EVDO ; Frequency: 848.3 MHz ; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used: f = 848.3 MHz; σ = 0.93 mho/m; ε_r = 42.69; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - High/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.025 mW/g

Right-Hand-Side HSL/Touch Position - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.169 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.571 W/kg
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.531 mW/g
Maximum value of SAR (measured) = 1.253 mW/g



Date: 2011/7/1

P52_CDMA2000 BC0_PTAP 153.6_Left Head Cheek_Ch777_Extended

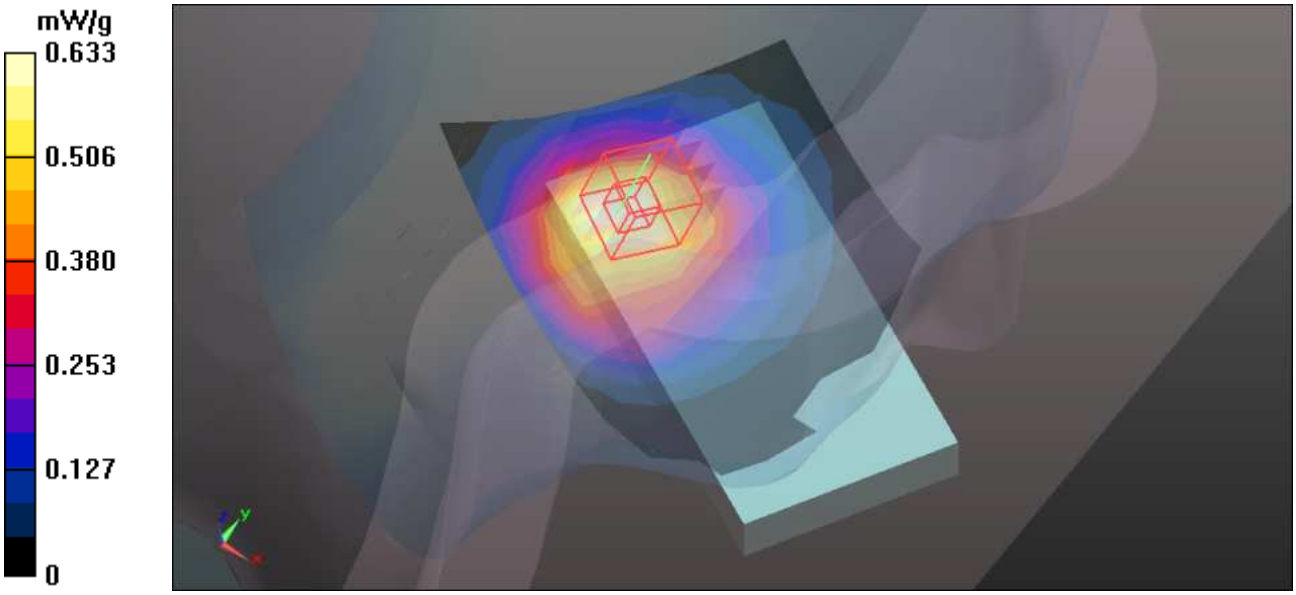
Communication System: EVDO ; Frequency: 848.3 MHz ; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used: f = 848.3 MHz; σ = 0.93 mho/m; ε_r = 42.69; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - High/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.633 mW/g

Left-Hand-Side HSL/Touch Position - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.714 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.817 W/kg
SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.355 mW/g
Maximum value of SAR (measured) = 0.682 mW/g



Date: 2011/7/3

P30_CDMA2000 BC1_RC3+SO55_Right Head Cheek_Ch25_Standard 1

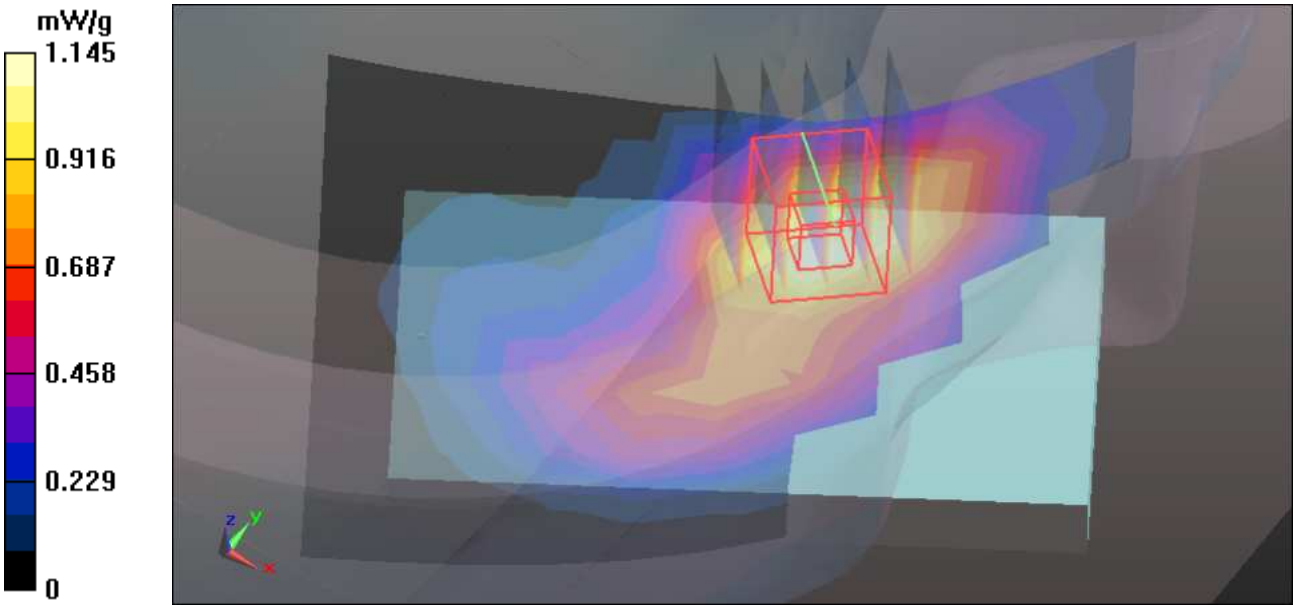
Communication System: CDMA1900 ; Frequency: 1851.25 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used : f = 1851.25 MHz; σ = 1.39 mho/m; ε_r = 41.37; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 - Low/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.145 mW/g

Right-Hand-Side HSL/Touch Position - Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.025 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.489 W/kg
SAR(1 g) = 0.959 mW/g; SAR(10 g) = 0.603 mW/g
Maximum value of SAR (measured) = 1.232 mW/g



Date: 2011/7/3

P31_CDMA2000 BC1_RC3+SO55_Right Head Cheek_Ch600_Standard 1

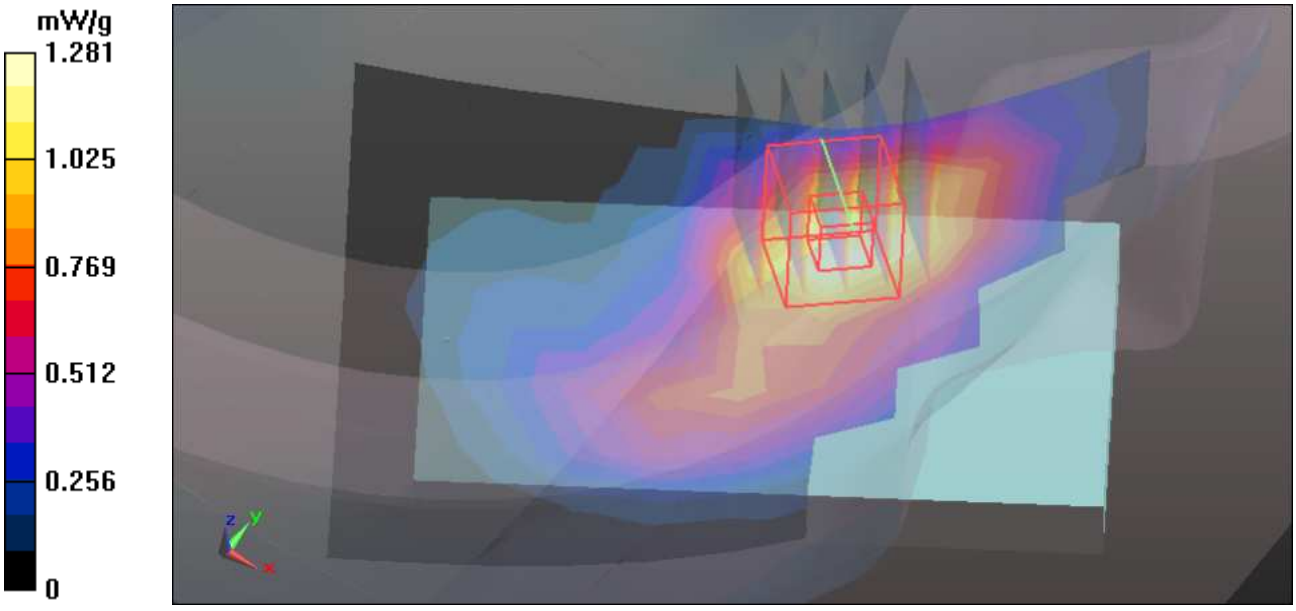
Communication System: CDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.281 mW/g

Right-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.389 V/m; Power Drift = 0.0014 dB
Peak SAR (extrapolated) = 1.660 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.666 mW/g
Maximum value of SAR (measured) = 1.390 mW/g



Date: 2011/7/3

P32_CDMA2000 BC1_RC3+SO55_Right Head Cheek_Ch1175_Standard 1

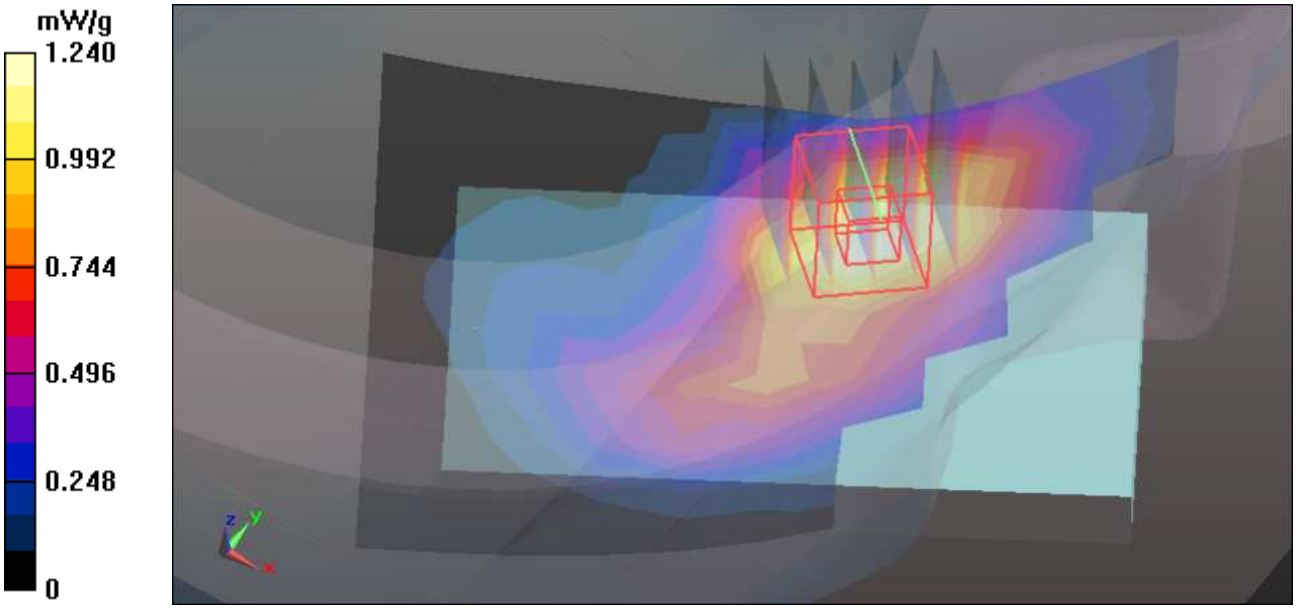
Communication System: CDMA1900 ; Frequency: 1908.75 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used : f = 1908.75 MHz; σ = 1.45 mho/m; ε_r = 41.21; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 - High/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.240 mW/g

Right-Hand-Side HSL/Touch Position - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.335 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.684 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.645 mW/g
Maximum value of SAR (measured) = 1.371 mW/g



Date: 2011/7/3

P33_CDMA2000 BC1_RC3+SO55_Right Head Tilt_Ch600_Standard 1

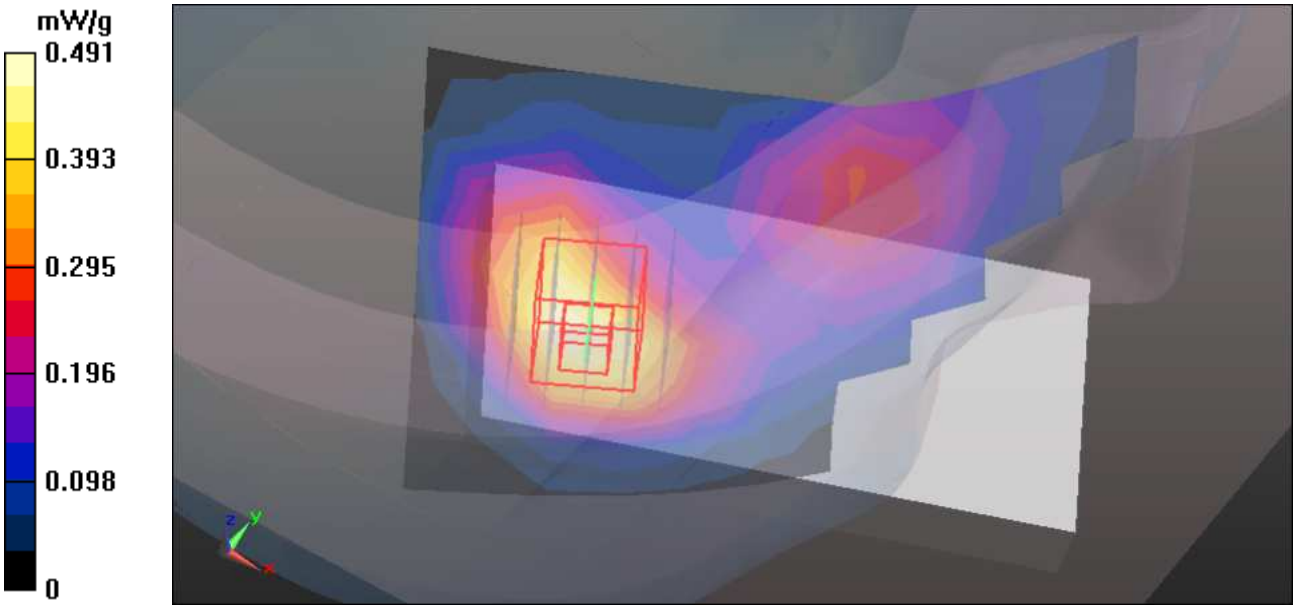
Communication System: CDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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/Tilt Position - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.491 mW/g

Right-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.154 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.644 W/kg
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.260 mW/g
Maximum value of SAR (measured) = 0.533 mW/g



Date: 2011/7/3

P34_CDMA2000 BC1_RC3+SO55_Left Head Cheek_Ch25_Standard 1

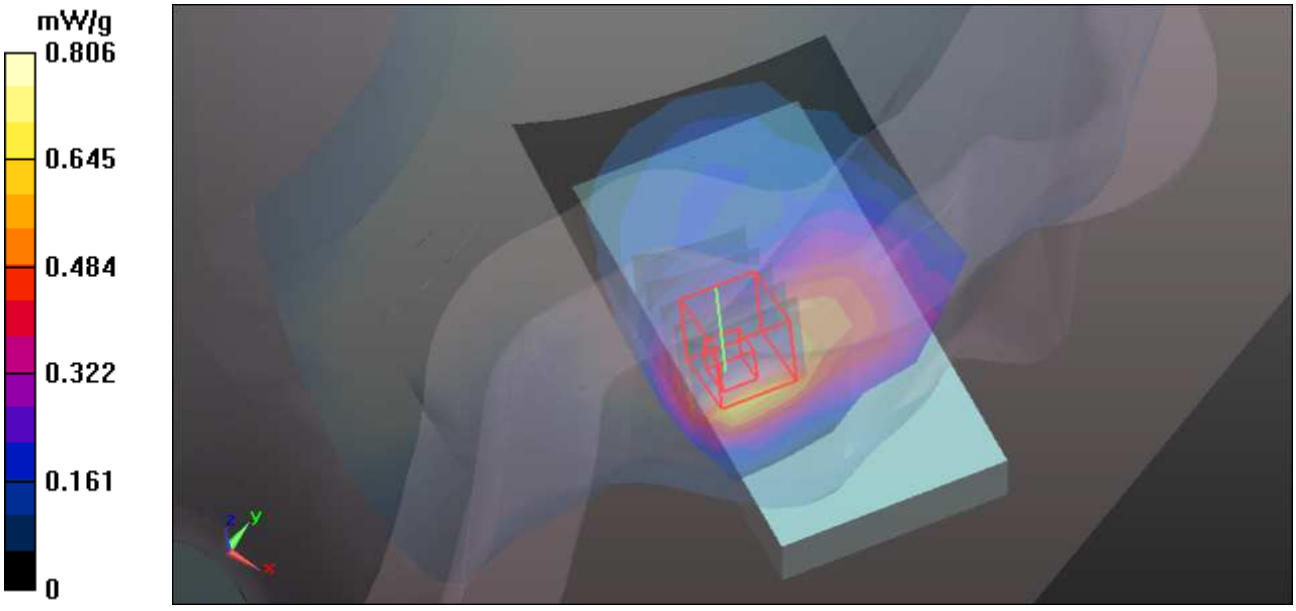
Communication System: CDMA1900 ; Frequency: 1851.25 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used : f = 1851.25 MHz; σ = 1.39 mho/m; ε_r = 41.37; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 - Low/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.806 mW/g

Left-Hand-Side HSL/Touch Position - Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.498 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.166 W/kg
SAR(1 g) = 0.753 mW/g; SAR(10 g) = 0.466 mW/g
Maximum value of SAR (measured) = 0.966 mW/g



Date: 2011/7/3

P35_CDMA2000 BC1_RC3+SO55_Left Head Cheek_Ch600_Standard 1

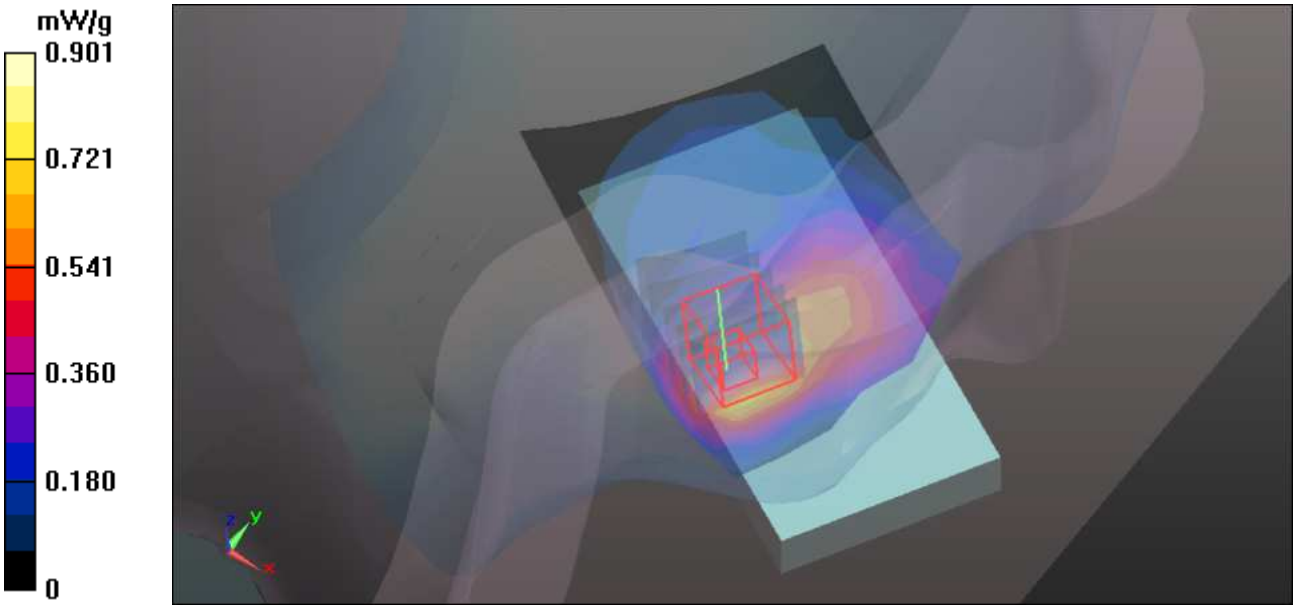
Communication System: CDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.901 mW/g

Left-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.664 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.299 W/kg
SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.511 mW/g
Maximum value of SAR (measured) = 1.094 mW/g



Date: 2011/7/3

P36_CDMA2000 BC1_RC3+SO55_Left Head Cheek_Ch1175_Standard 1

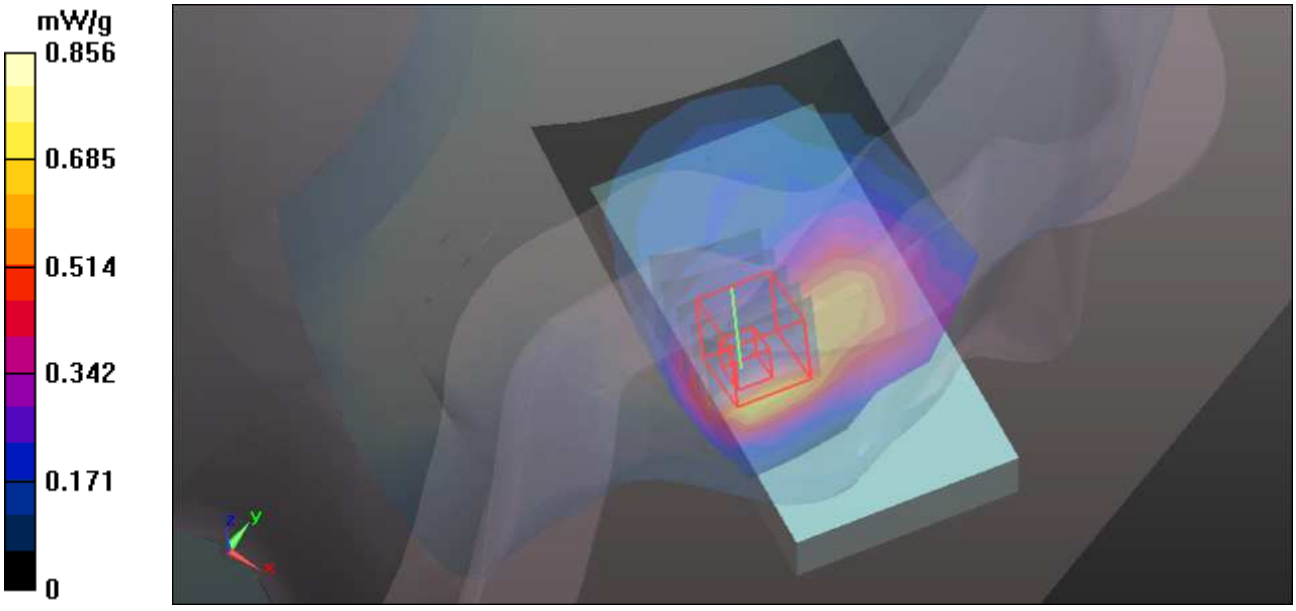
Communication System: CDMA1900 ; Frequency: 1908.75 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used : f = 1908.75 MHz; σ = 1.45 mho/m; ε_r = 41.21; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 - High/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.856 mW/g

Left-Hand-Side HSL/Touch Position - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.253 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.250 W/kg
SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.490 mW/g
Maximum value of SAR (measured) = 1.040 mW/g



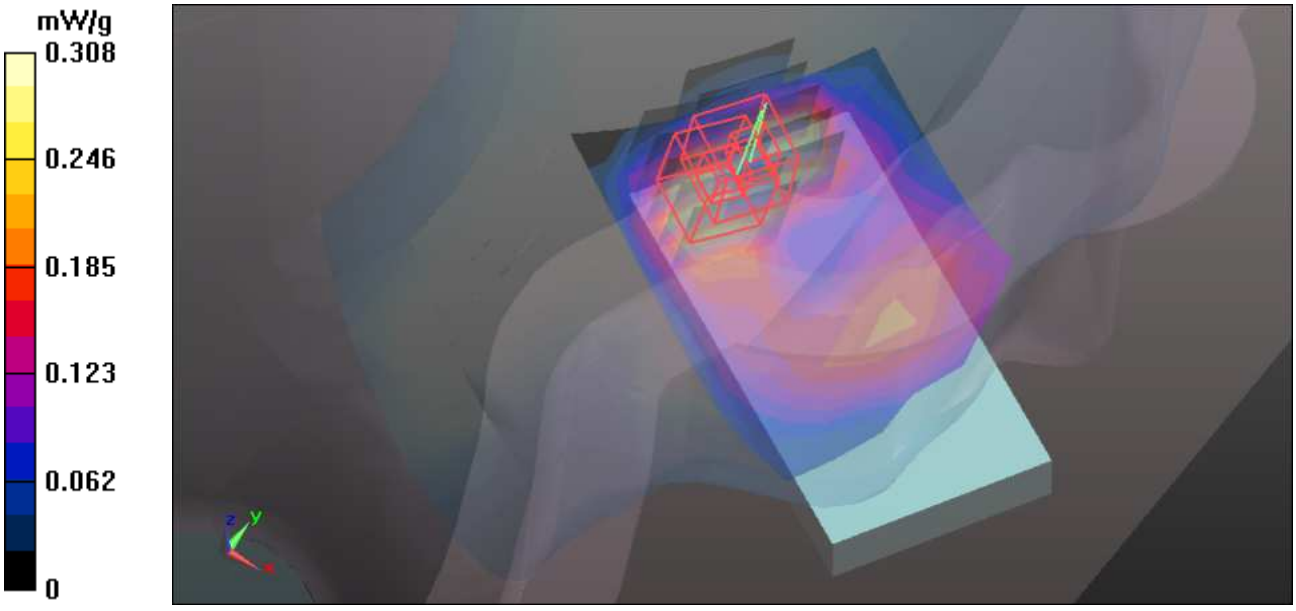
Date: 2011/7/3

P37_CDMA2000 BC1_RC3+SO55_Left Head Tilt_Ch600_Standard 1

Communication System: CDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: OQPSK
DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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/Tilt Position - Mid/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.308 mW/g
Left-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.211 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.388 W/kg
SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.317 mW/g
Left-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.211 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.366 W/kg
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.143 mW/g
Maximum value of SAR (measured) = 0.309 mW/g



Date: 2011/7/3

P56_CDMA2000 BC1_RC3+SO55_Right Head Cheek_Ch600_Extended

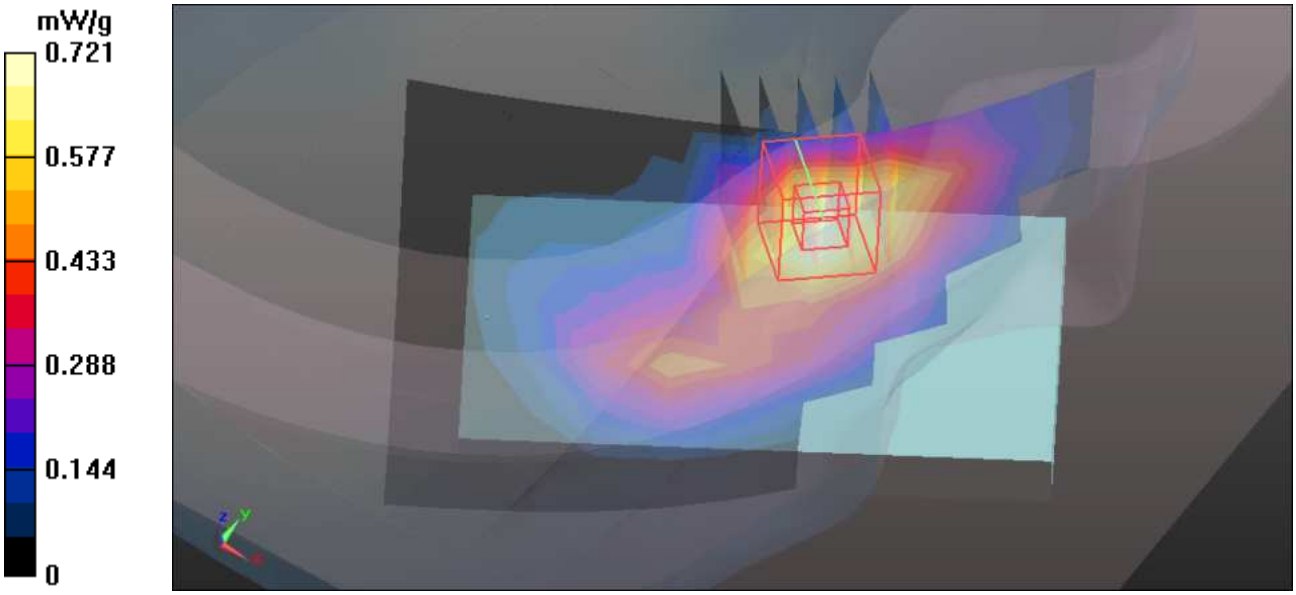
Communication System: CDMA ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 - Mid /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.721 mW/g

Right-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.709 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.987 W/kg
SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.411 mW/g
Maximum value of SAR (measured) = 0.833 mW/g



Date: 2011/7/3

P26_EVDO1900_PTAP 153.6_Right Head Cheek_Ch600_Standard 1

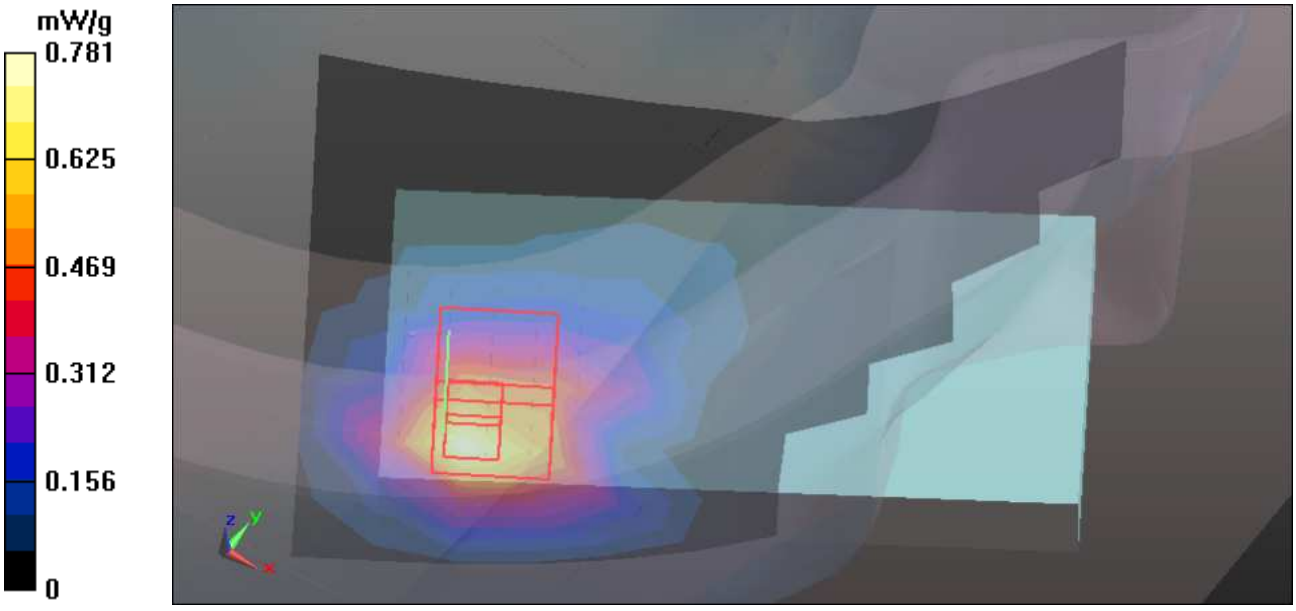
Communication System: EVDO1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.781 mW/g

Right-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.274 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.090 W/kg
SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.336 mW/g
Maximum value of SAR (measured) = 0.833 mW/g



Date: 2011/7/3

P27_EVDO1900_PTAP 153.6_Right Head Tilt_Ch600_Standard 1

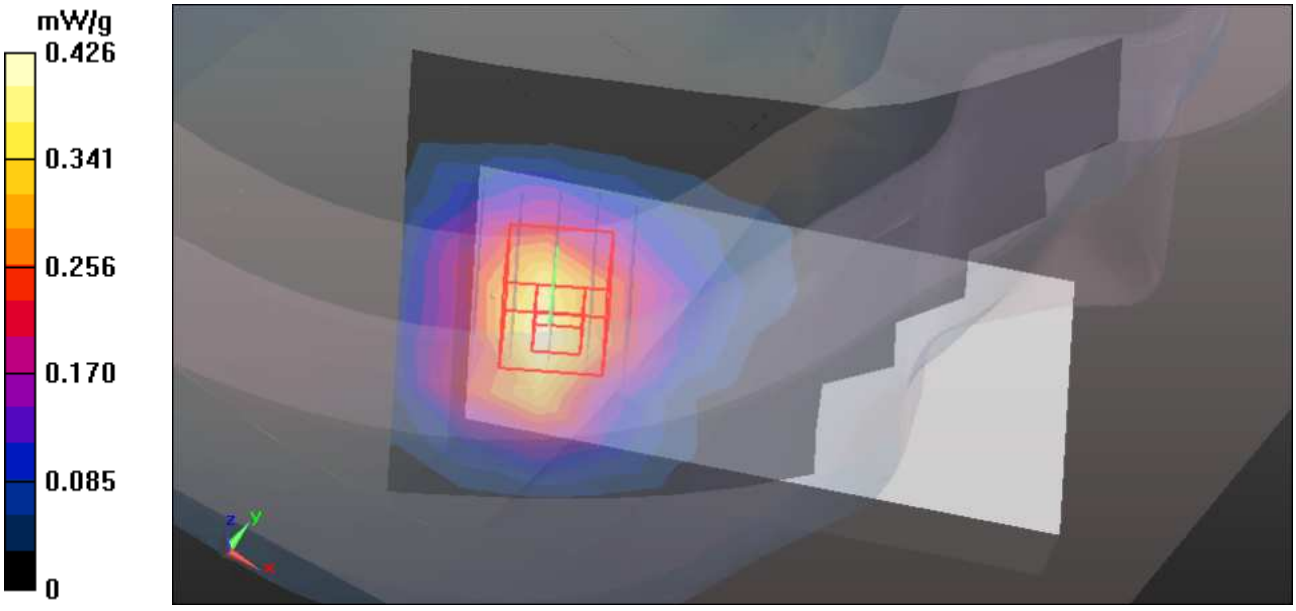
Communication System: EVDO1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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/Tilt Position - Mid/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.426 mW/g

Right-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.249 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.521 W/kg
SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.433 mW/g



Date: 2011/7/3

P28_EVDO1900_PTAP 153.6_Left Head Cheek_Ch600_Standard 1

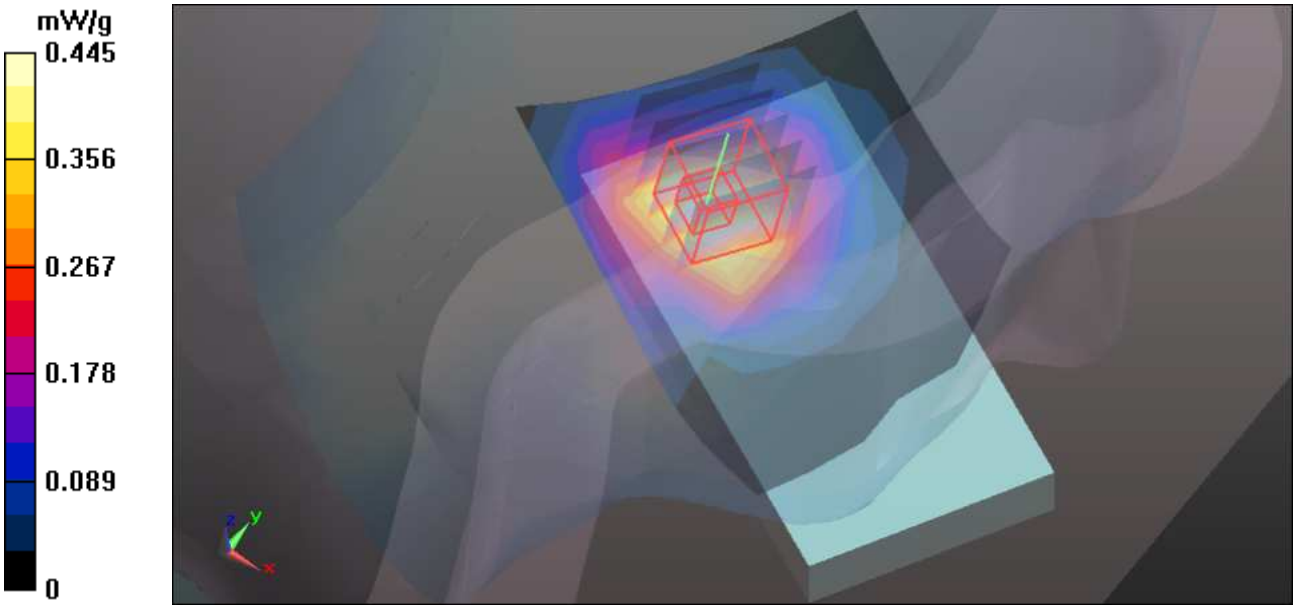
Communication System: EVDO1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.445 mW/g

Left-Hand-Side HSL/Touch Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.554 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.550 W/kg
SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.456 mW/g



Date: 2011/7/3

P29_EVDO1900_PTAP 153.6_Left Head Tilt_Ch600_Standard 1

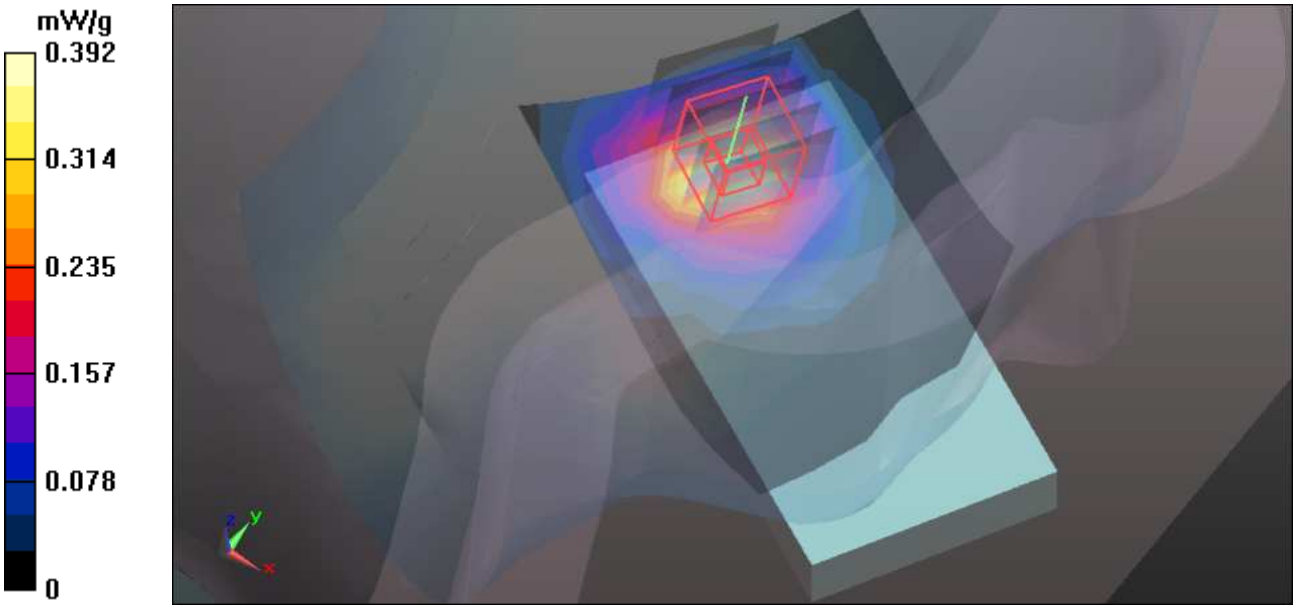
Communication System: EVDO1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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/Tilt Position - Mid/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.392 mW/g

Left-Hand-Side HSL/Tilt Position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.429 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.484 W/kg
SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 0.395 mW/g



Date: 2011/7/3

P55_CDMA2000 BC1_PTAP 153.6_Right Head Cheek_Ch600_Extended

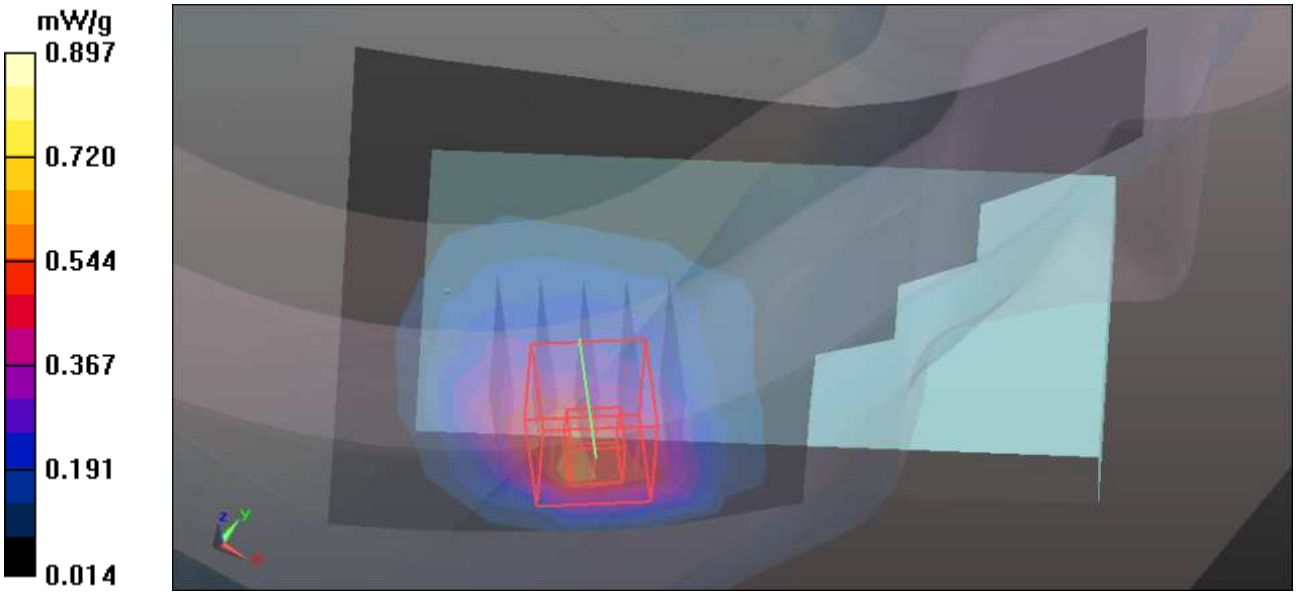
Communication System: EVDO ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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 - Mid /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.574 mW/g

Right-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.142 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.188 W/kg
SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.286 mW/g
Maximum value of SAR (measured) = 0.897 mW/g



Date: 2011/7/5

P60_LTE750 50%RB_QPSK_Right Head Cheek_Ch23230_Standard 1

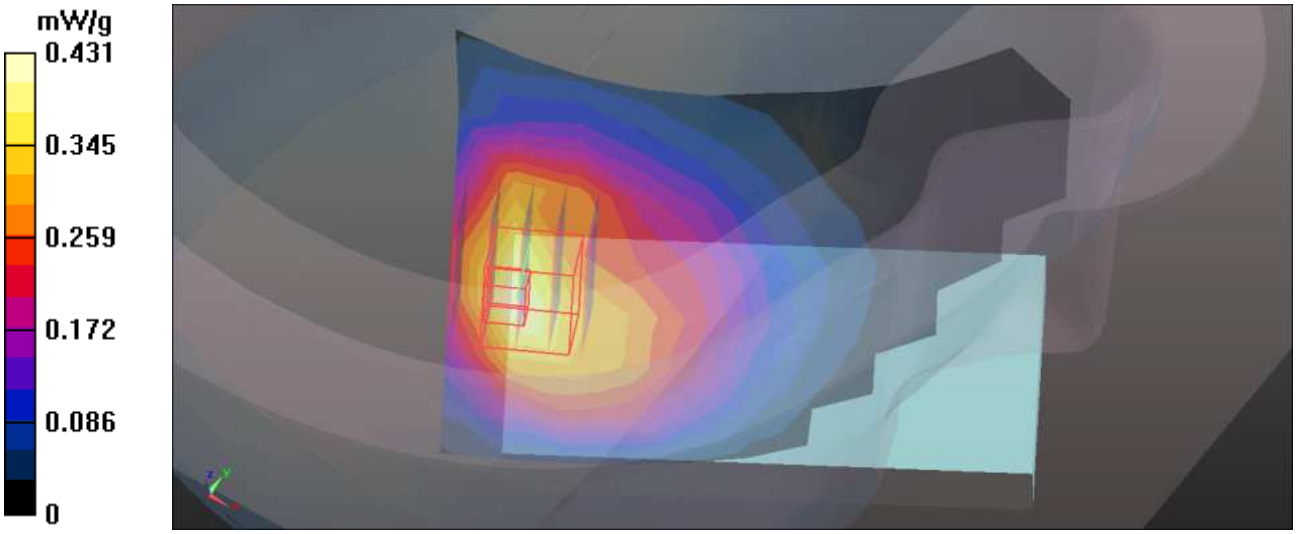
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 - Mid /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.431 mW/g

Right-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.943 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.524 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.211 mW/g
Maximum value of SAR (measured) = 0.412 mW/g



Date: 2011/7/5

P61_LTE750 1RB_Lowwer_QPSK_Right Head Cheek_Ch23230_Standard 1

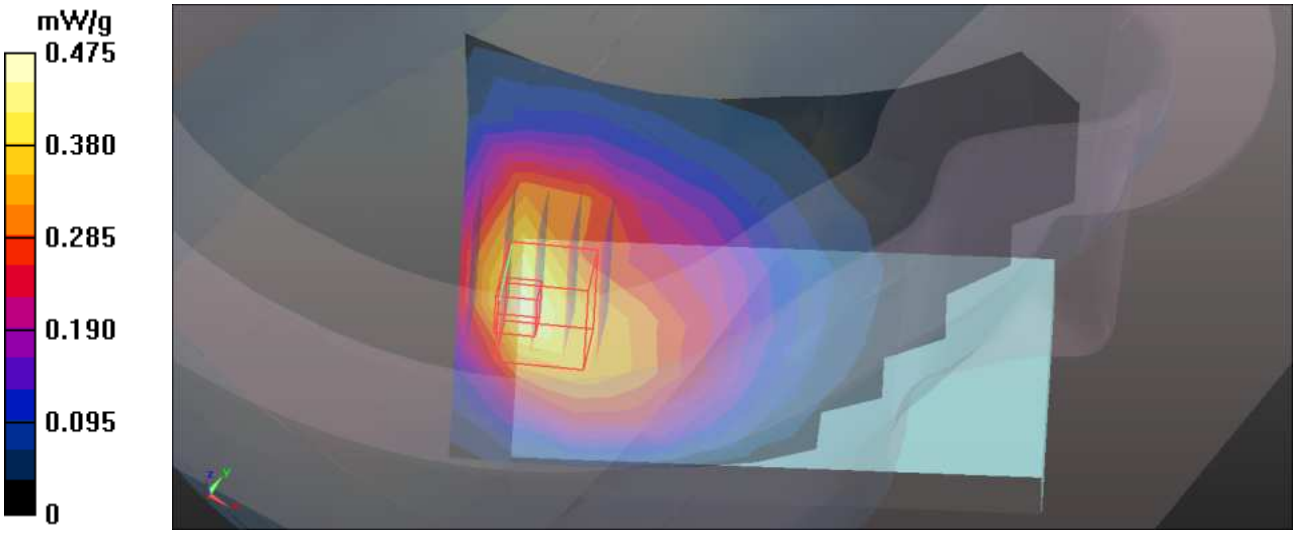
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 - Mid /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.475 mW/g

Right-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.466 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.570 W/kg
SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 0.447 mW/g



Date: 2011/7/5

P62_LTE750 1RBUpper_QPSK_Right Head Cheek_Ch23230_Standard 1

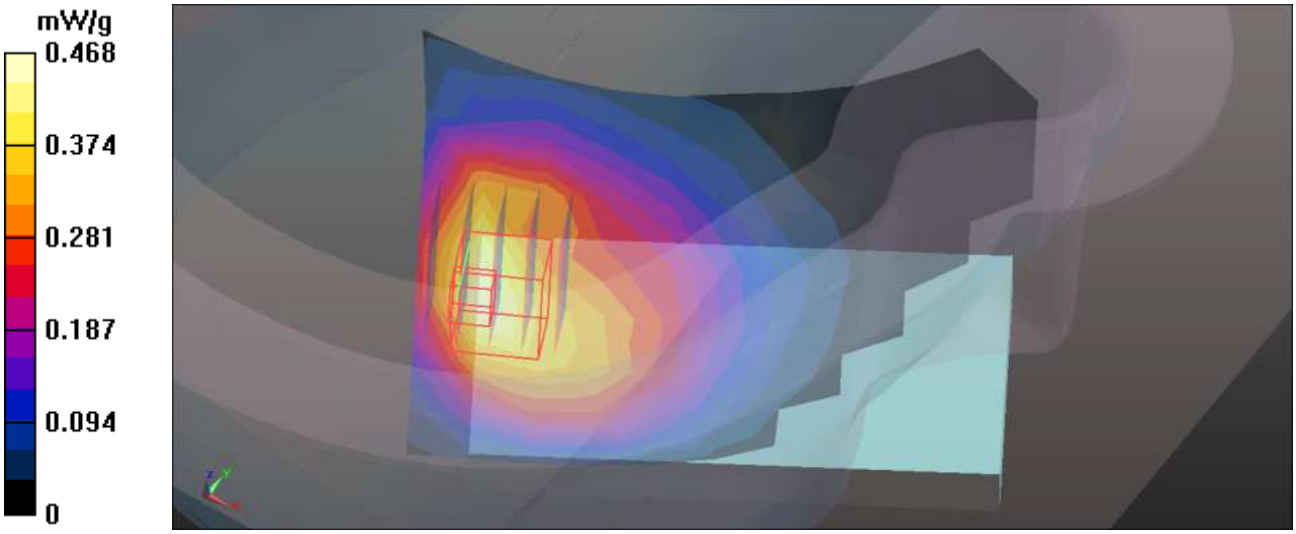
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 - Mid /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.468 mW/g

Right-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.310 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.583 W/kg
SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.232 mW/g
Maximum value of SAR (measured) = 0.461 mW/g



Date: 2011/7/5

P63_LTE750 50%RB_QPSK_Right Head Tilt_Ch23230_Standard 1

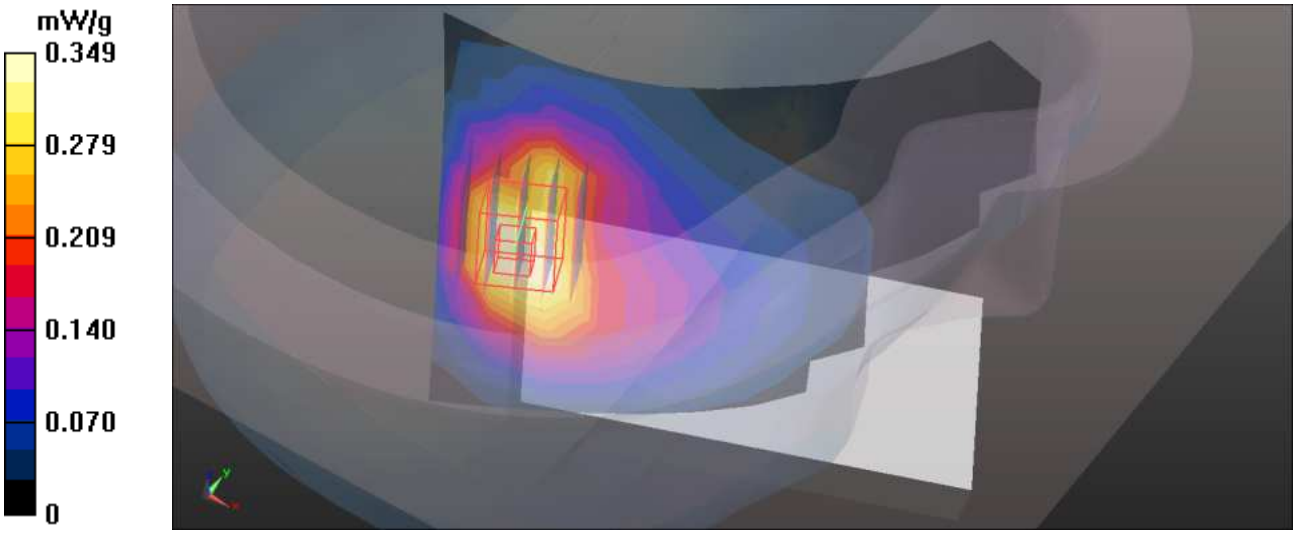
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.349 mW/g

Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.973 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.442 mW/g



Date: 2011/7/5

P64_LTE750 1RB_Lowwer_QPSK_Right Head Tilt_Ch23230_Standard 1

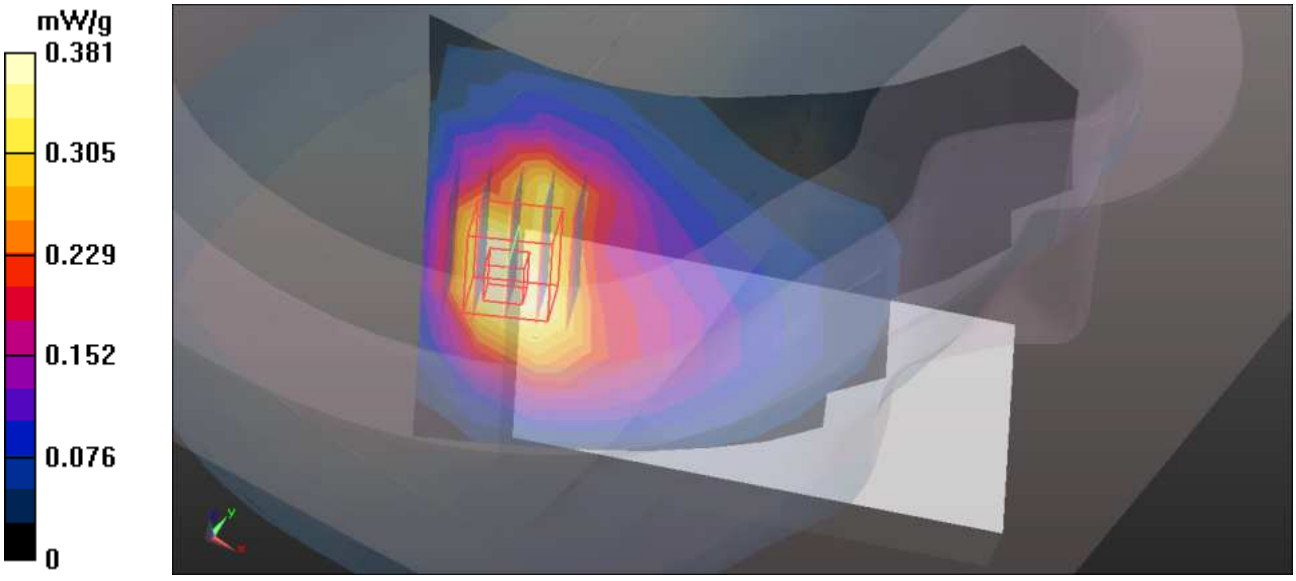
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.381 mW/g

Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.211 V/m; Power Drift = -0.0055 dB
Peak SAR (extrapolated) = 0.608 W/kg
SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.479 mW/g



Date: 2011/7/5

P65_LTE750 1RB_Upper_QPSK_Right Head Tilt_Ch23230_Standard 1

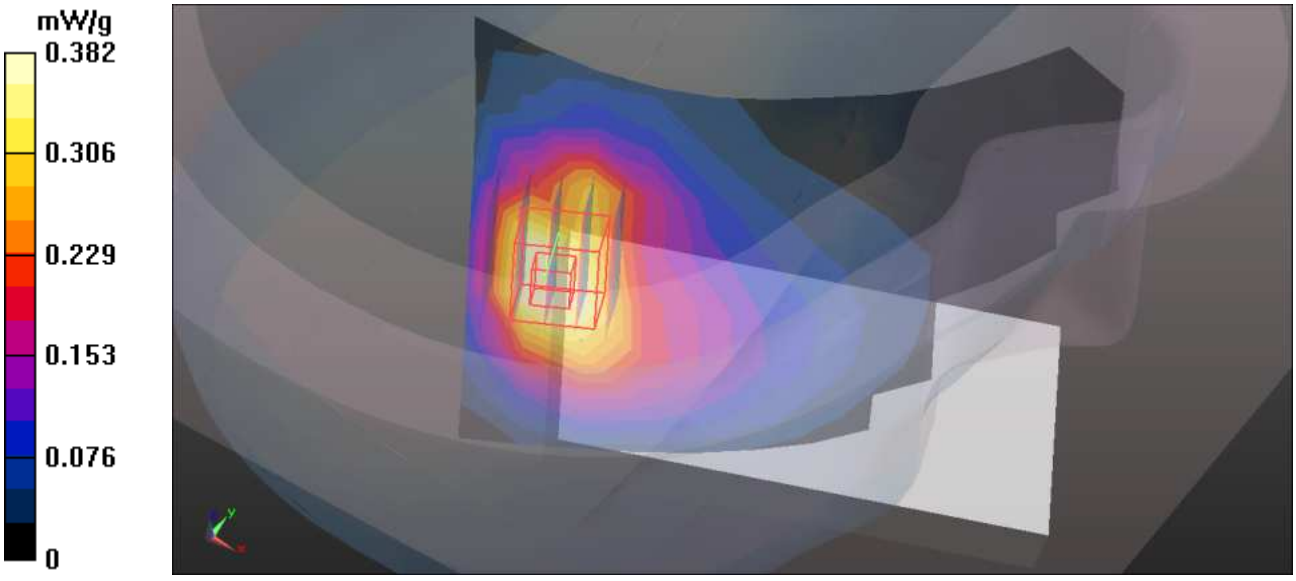
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.382 mW/g

Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.984 V/m; Power Drift = -0.0021 dB
Peak SAR (extrapolated) = 0.601 W/kg
SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.205 mW/g
Maximum value of SAR (measured) = 0.465 mW/g



Date: 2011/7/5

P66_LTE750 50%RB_QPSK_Left Head Cheek_Ch23230_Standard 1

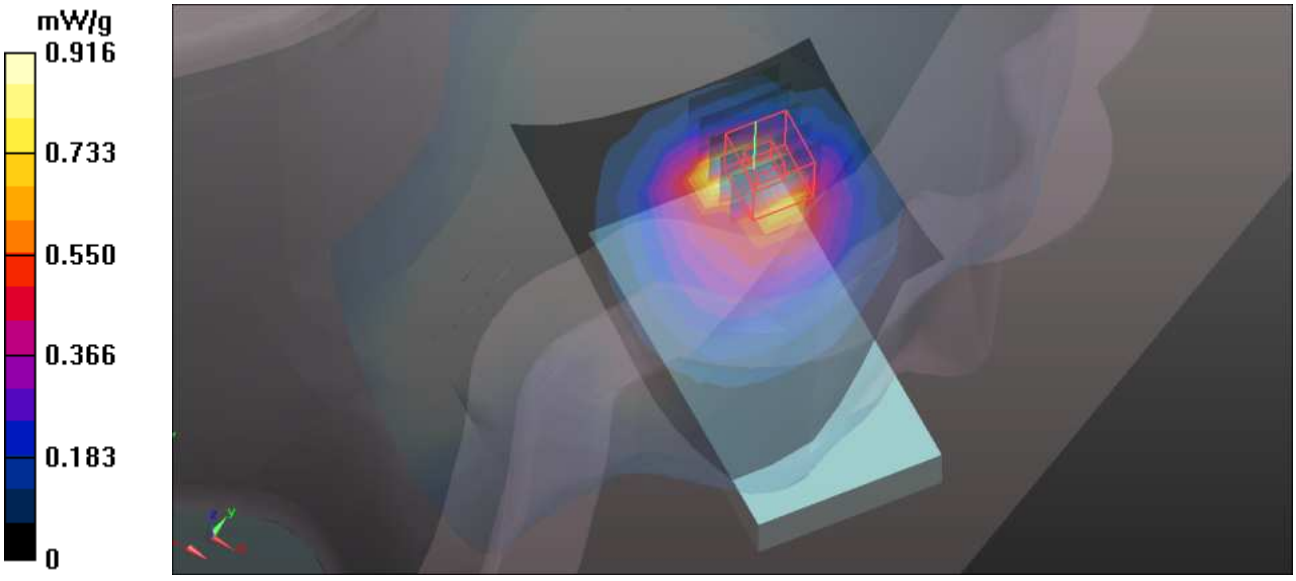
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.916 mW/g

Left-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.584 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.470 W/kg
SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.381 mW/g
Maximum value of SAR (measured) = 1.033 mW/g



Date: 2011/7/5

P67_LTE750 1RB_Lowwer_QPSK_Left Head Cheek_Ch23230_Standard 1

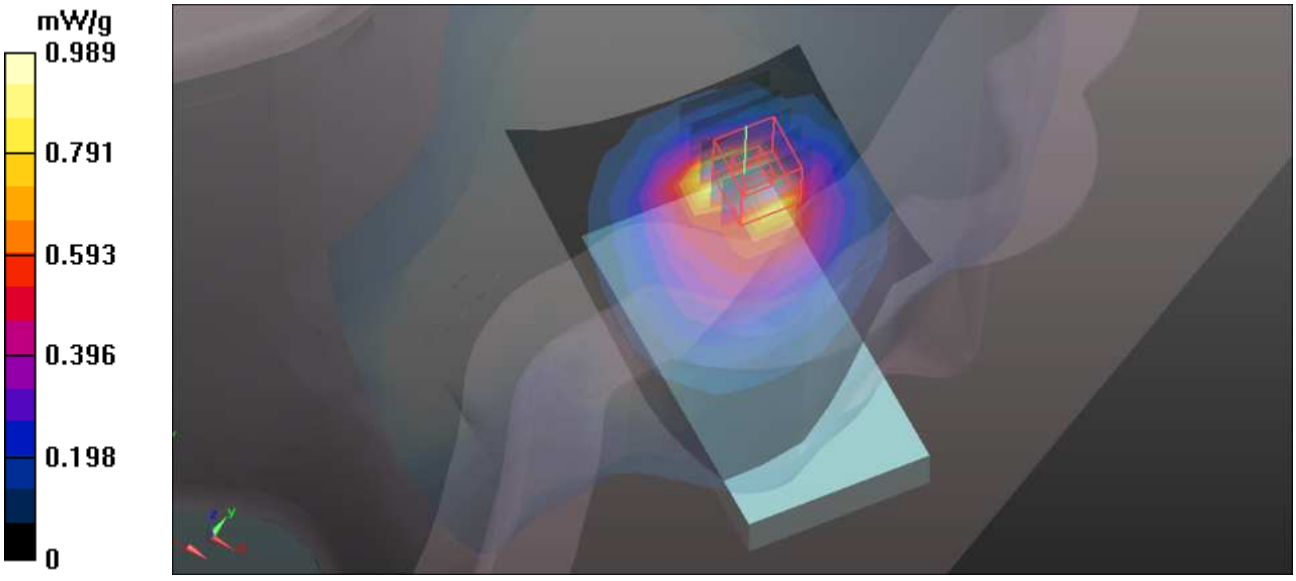
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.989 mW/g

Left-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.055 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.656 W/kg
SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.426 mW/g
Maximum value of SAR (measured) = 1.174 mW/g



Date: 2011/7/5

P68_LTE750 1RB_Upper_QPSK_Left Head Cheek_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: QPSK

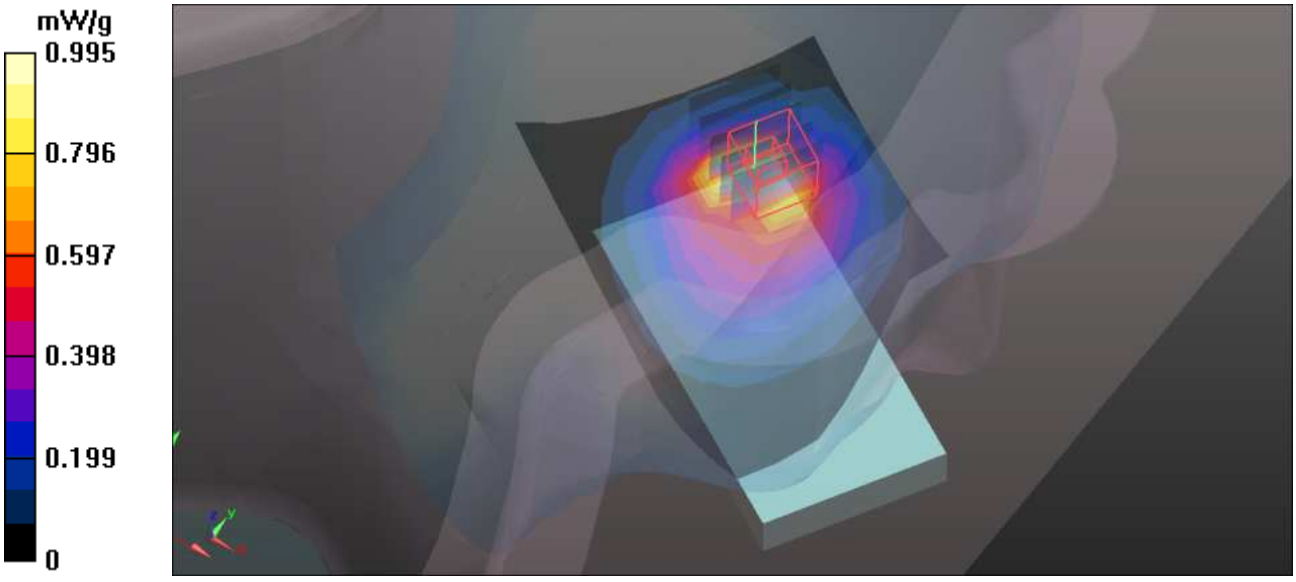
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.995 mW/g

Left-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.673 V/m; Power Drift = 0.0098 dB
Peak SAR (extrapolated) = 1.572 W/kg
SAR(1 g) = 0.733 mW/g; SAR(10 g) = 0.417 mW/g
Maximum value of SAR (measured) = 1.097 mW/g



Date: 2011/7/5

P69_LTE750 50%RB_QPSK_Left Head Tilt_Ch23230_Standard 1

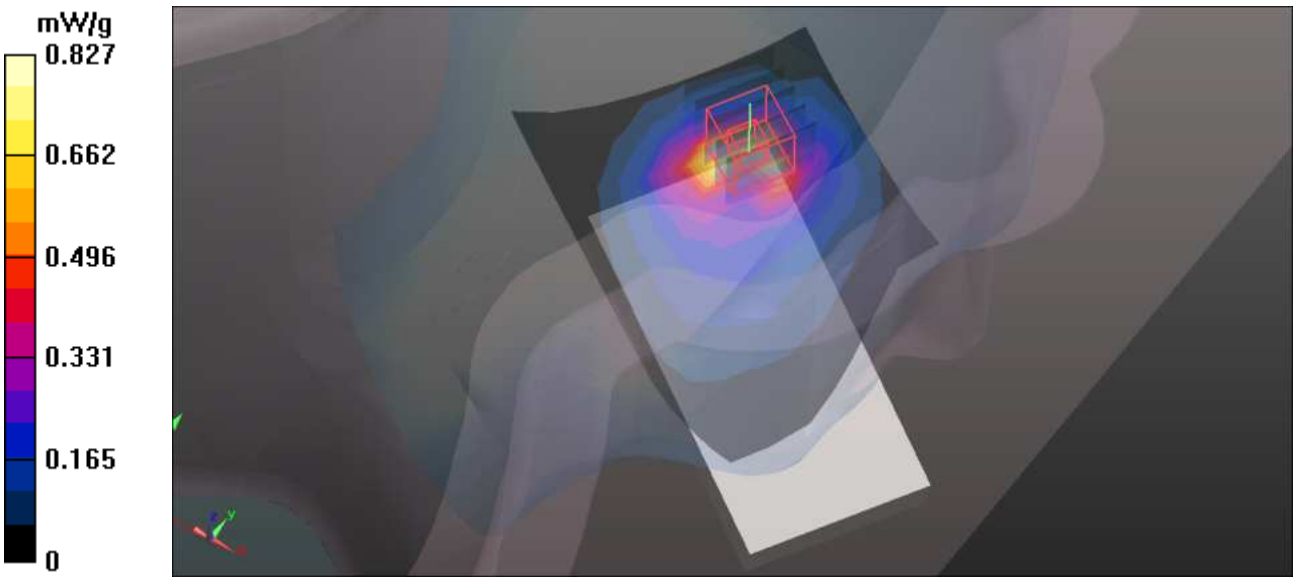
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.827 mW/g

Left-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.222 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.352 W/kg
SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.302 mW/g
Maximum value of SAR (measured) = 0.947 mW/g



Date: 2011/7/5

P70_LTE750 1RB_Lowwer_QPSK_Left Head Tilt_Ch23230_Standard 1

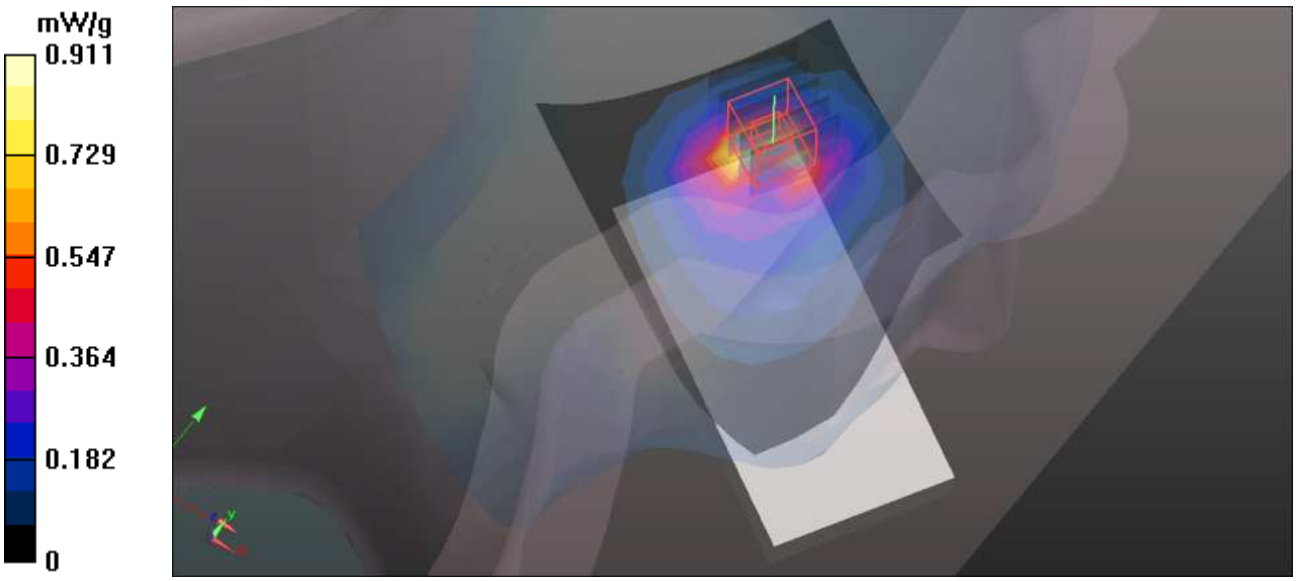
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.911 mW/g

Left-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.691 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.469 W/kg
SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 1.034 mW/g



Date: 2011/7/5

P71_LTE750 1RB_Upper_QPSK_Left Head Tilt_Ch23230_Standard 1

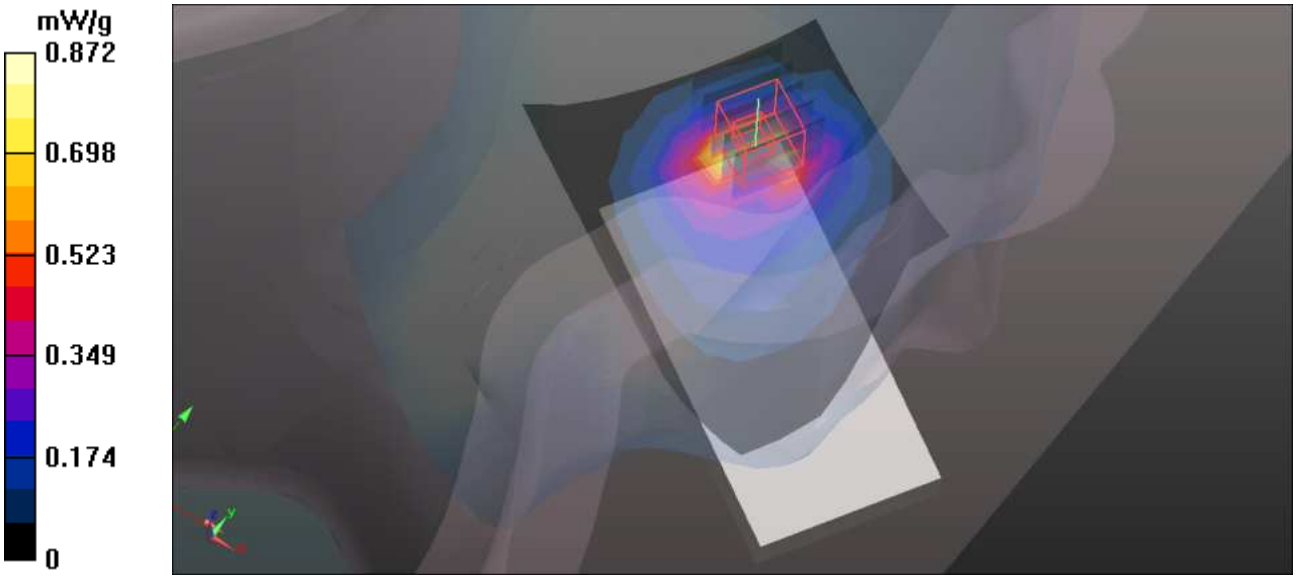
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.872 mW/g

Left-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.339 V/m; Power Drift = -0.0094 dB
Peak SAR (extrapolated) = 1.397 W/kg
SAR(1 g) = 0.616 mW/g; SAR(10 g) = 0.320 mW/g
Maximum value of SAR (measured) = 0.979 mW/g



Date: 2011/7/5

P108_LTE750 1RB_Lowwer_QPSK_Left Head Cheek_Ch23230_Extended

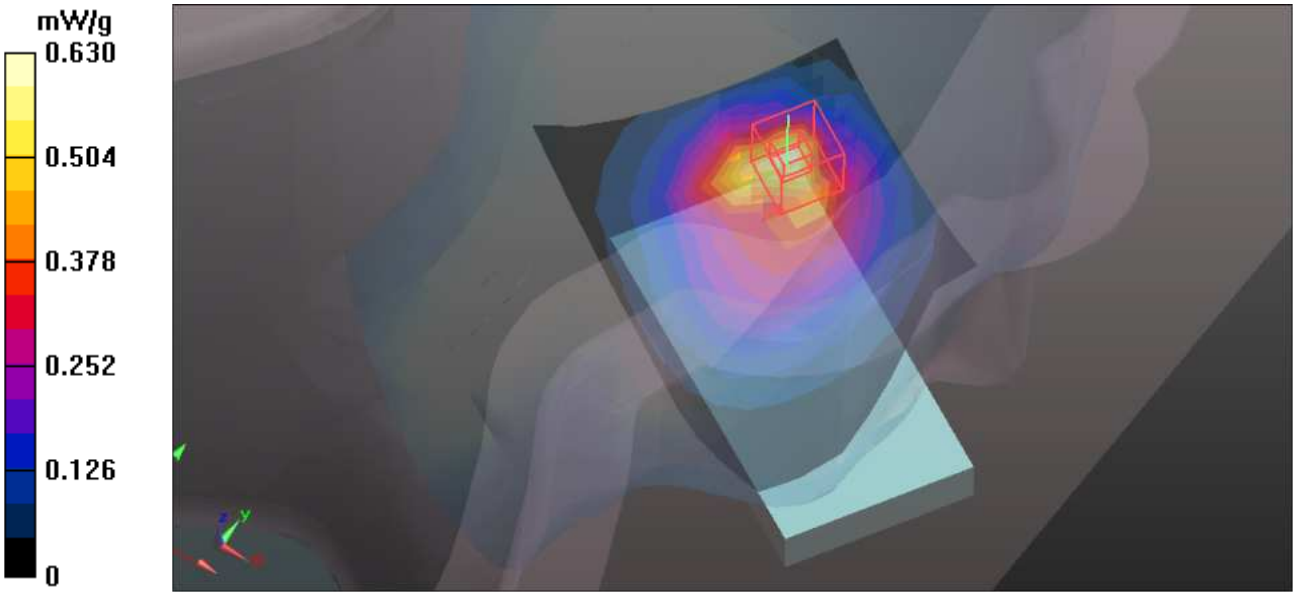
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.630 mW/g

Left-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.966 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.905 W/kg
SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 0.665 mW/g



Date: 2011/7/5

P72_LTE750 50%RB_16QAM_Right Head Cheek_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 - Mid /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.368 mW/g

Right-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.083 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.400 mW/g

Date: 2011/7/5

P73_LTE750 1RB_Lowwer_16QAM_Right Head Cheek_Ch23230_Standard 1

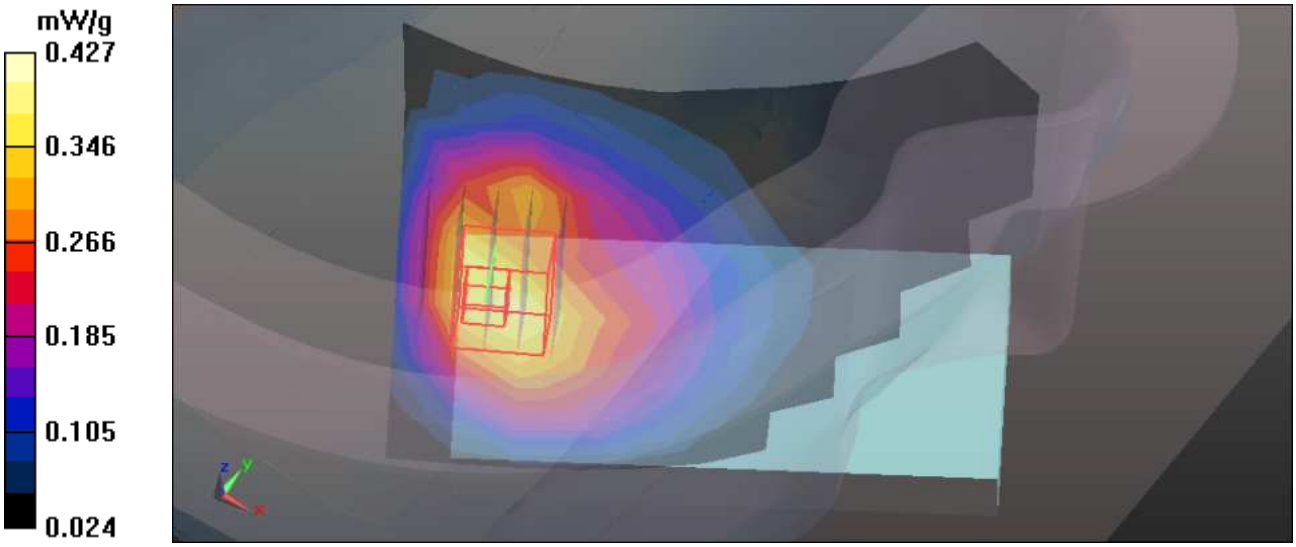
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 - Mid /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.385 mW/g

Right-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.291 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.537 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.427 mW/g



Date: 2011/7/5

P74_LTE750 1RB_Upper_16QAM_Right Head Cheek_Ch23230_Standard 1

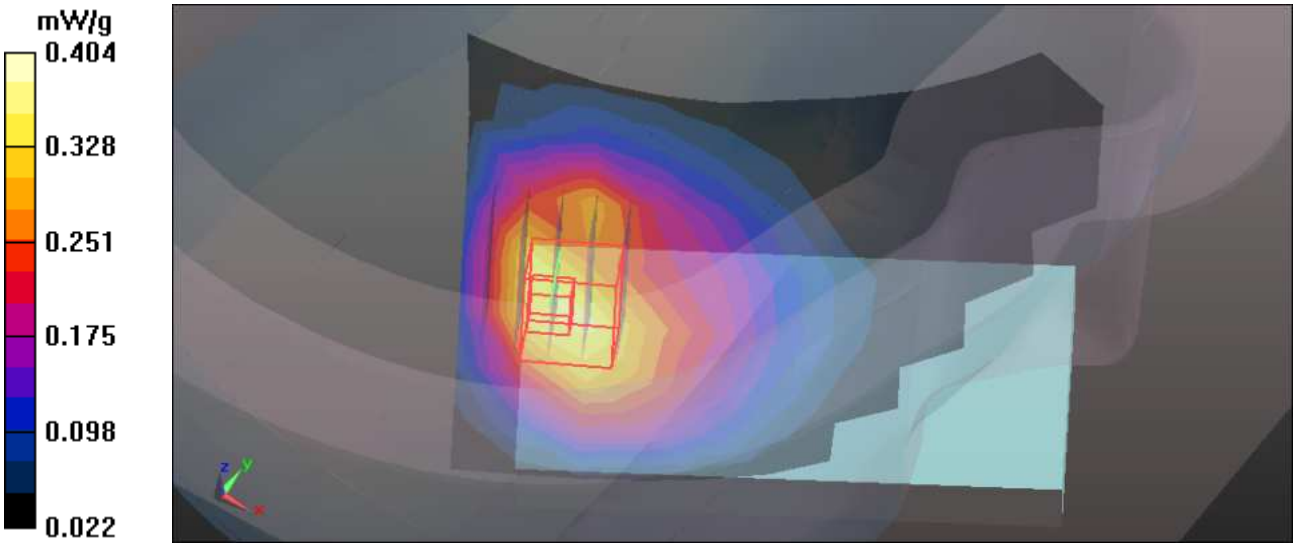
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 - Mid /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.367 mW/g

Right-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.059 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.503 W/kg
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.404 mW/g



Date: 2011/7/5

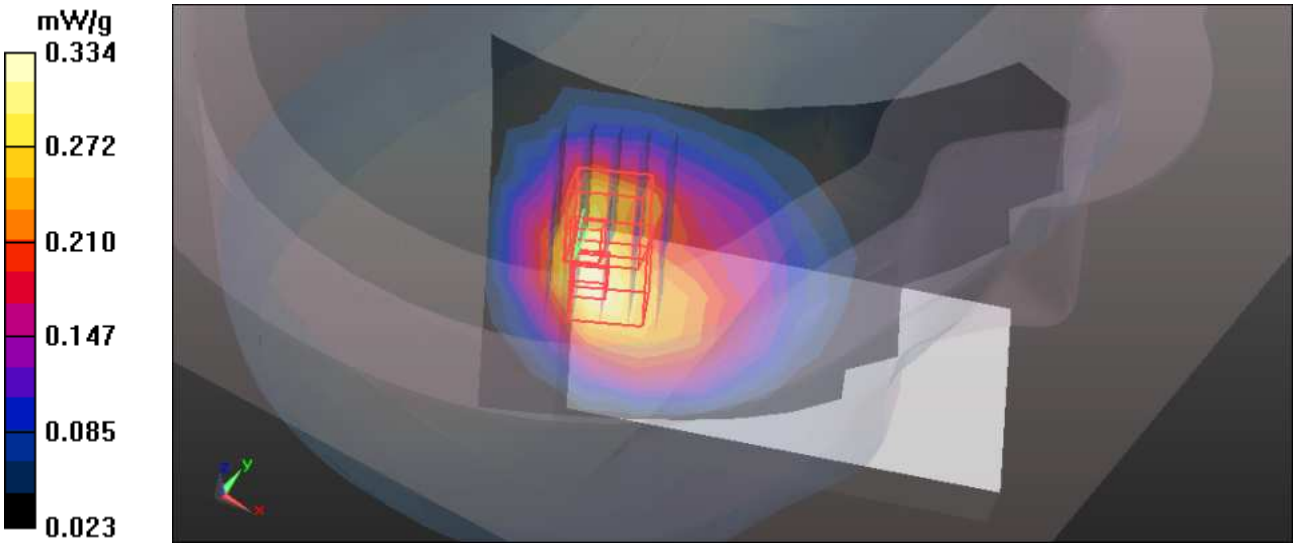
P75_LTE750 50%RB_16QAM_Right Head Tilt_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.348 mW/g
Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.250 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.430 W/kg
SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.334 mW/g
Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.250 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.423 W/kg
SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.159 mW/g



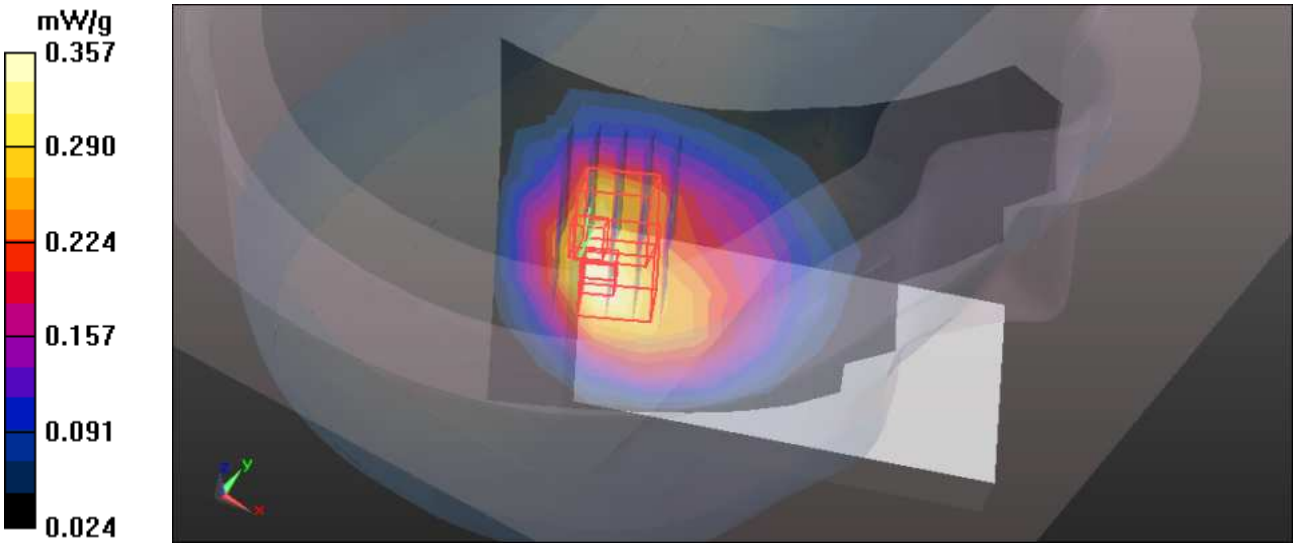
Date: 2011/7/5

P76_LTE750 1RB_Lowwer_16QAM_Right Head Tilt_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: 16QAM
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.380 mW/g
Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.929 V/m; Power Drift = 0.0037 dB
Peak SAR (extrapolated) = 0.455 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.357 mW/g
Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.929 V/m; Power Drift = 0.0037 dB
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.353 mW/g



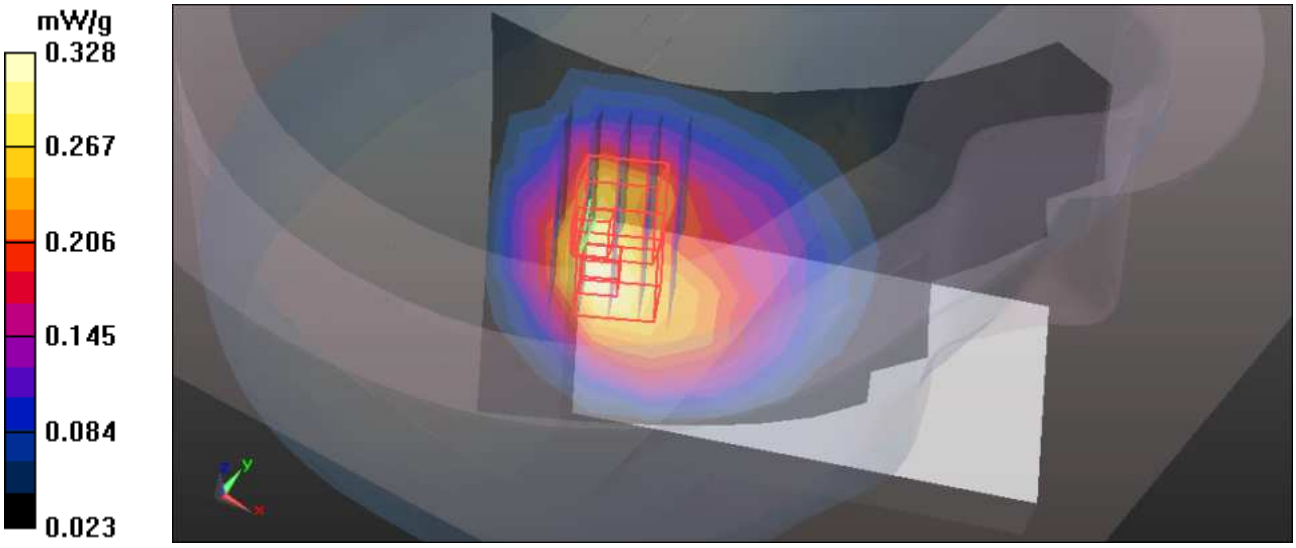
Date: 2011/7/5

P77_LTE750 1RB_Upper_16QAM_Right Head Tilt_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: 16QAM
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.344 mW/g
Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.969 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.425 W/kg
SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.328 mW/g
Right-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.969 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.418 W/kg
SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.157 mW/g
Maximum value of SAR (measured) = 0.327 mW/g



Date: 2011/7/5

P78_LTE750 50%RB_16QAM_Left Head Cheek_Ch23230_Standard 1

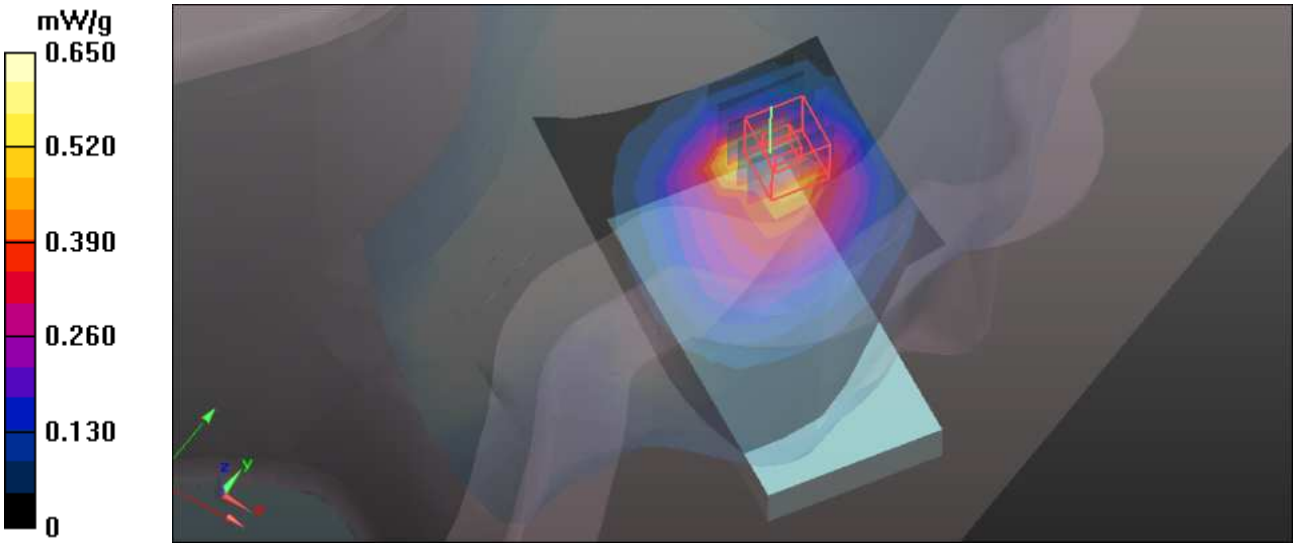
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12;ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.650 mW/g

Left-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.966 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.961 W/kg
SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.689 mW/g



Date: 2011/7/5

P79_LTE750 1RB_Lowwer_16QAM_Left Head Cheek_Ch23230_Standard 1

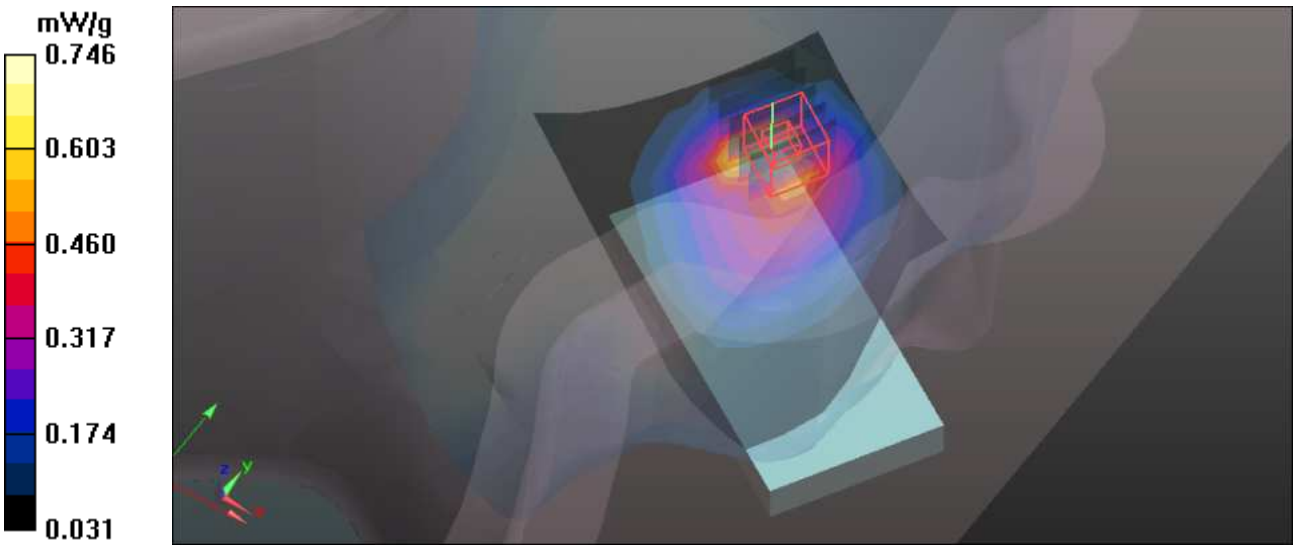
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.713 mW/g

Left-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.831 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.037 W/kg
SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.294 mW/g
Maximum value of SAR (measured) = 0.746 mW/g



Date: 2011/7/5

P80_LTE750 1RB_Upper_16QAM_Left Head Cheek_Ch23230_Standard 1

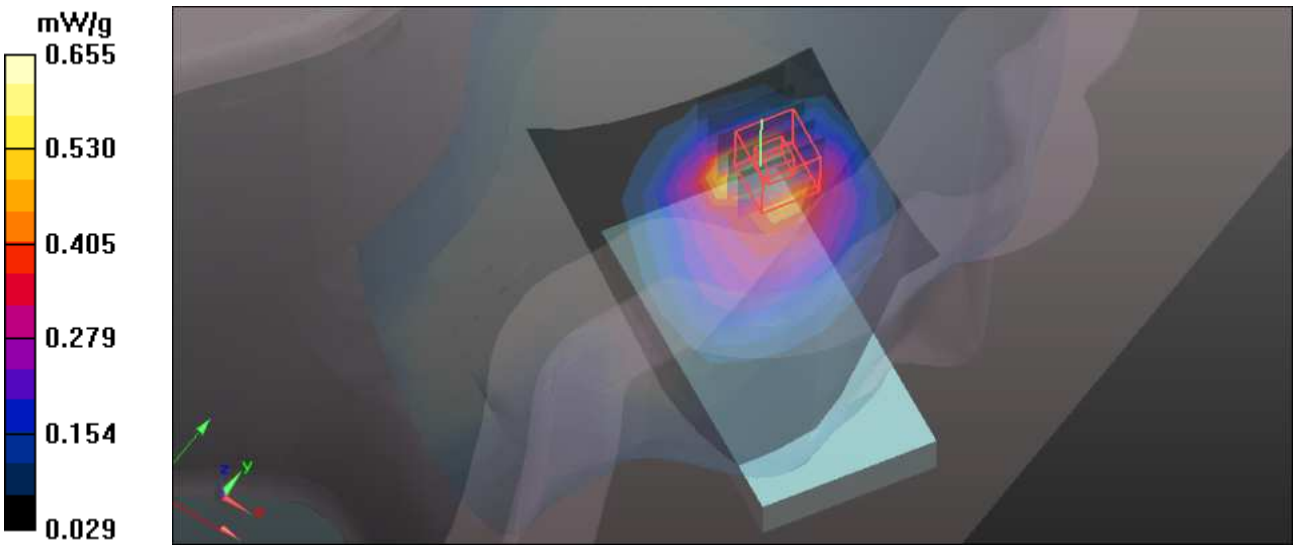
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.644 mW/g

Left-Hand-Side HSL/Touch Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.078 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.922 W/kg
SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.265 mW/g
Maximum value of SAR (measured) = 0.655 mW/g



Date: 2011/7/5

P81_LTE750 50%RB_16QAM_Left Head Tilt_Ch23230_Standard 1

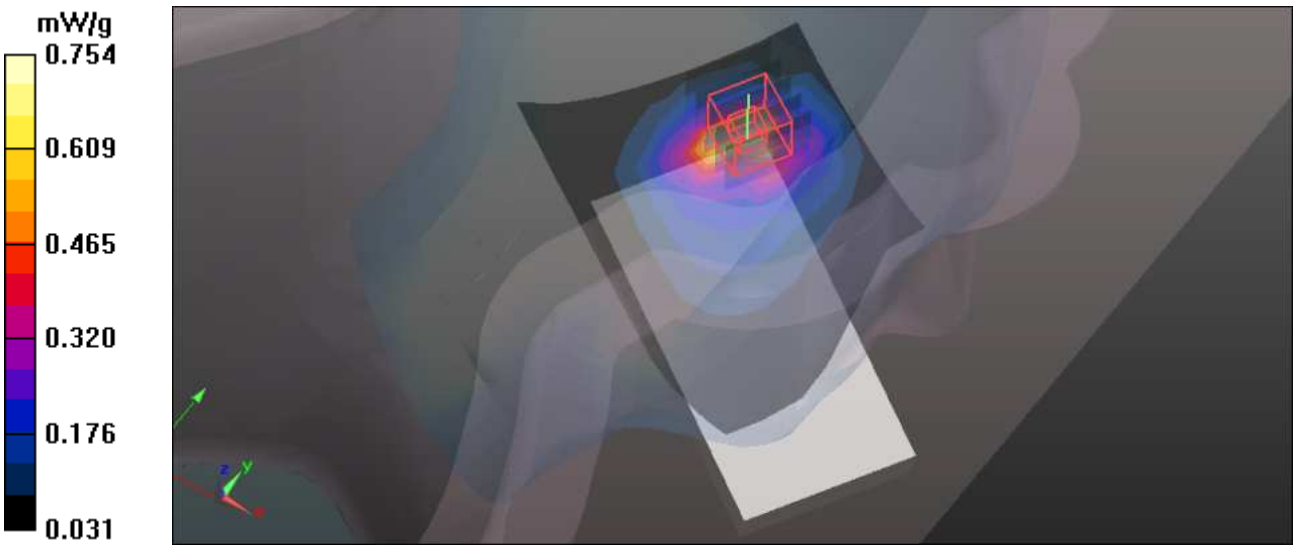
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.725 mW/g

Left-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.362 V/m; Power Drift = -0.0086 dB
Peak SAR (extrapolated) = 1.106 W/kg
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.265 mW/g
Maximum value of SAR (measured) = 0.754 mW/g



Date: 2011/7/5

P82_LTE750 1RB_Lowwer_16QAM_Left Head Tilt_Ch23230_Standard 1

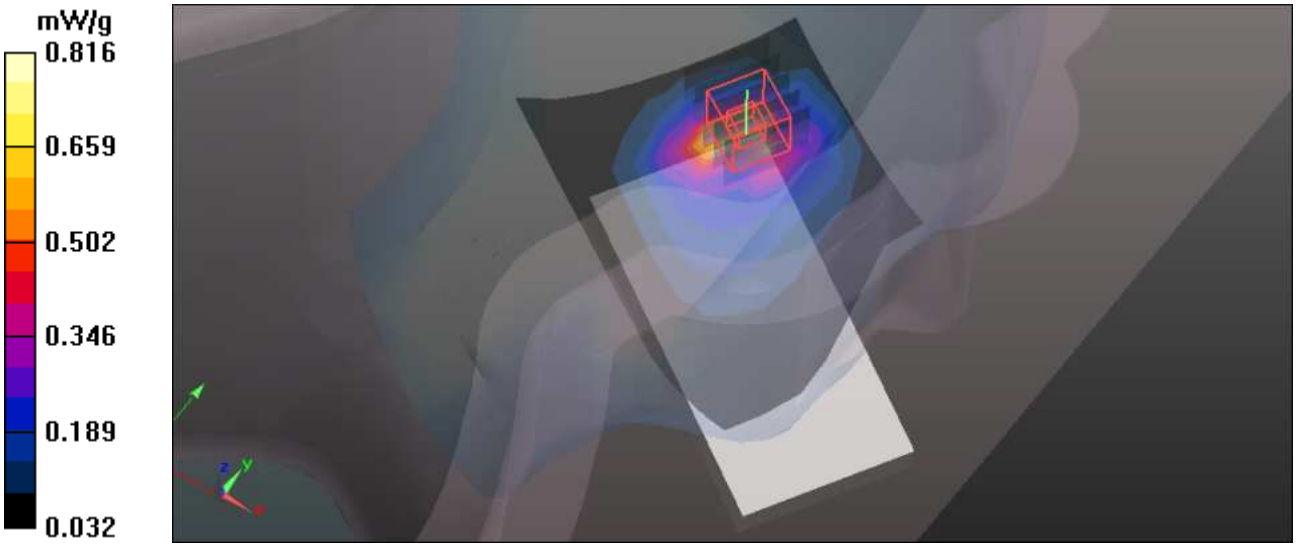
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.771 mW/g

Left-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.927 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 1.171 W/kg
SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.816 mW/g



Date: 2011/7/5

P83_LTE750 1RB_Upper_16QAM_Left Head Tilt_Ch23230_Standard 1

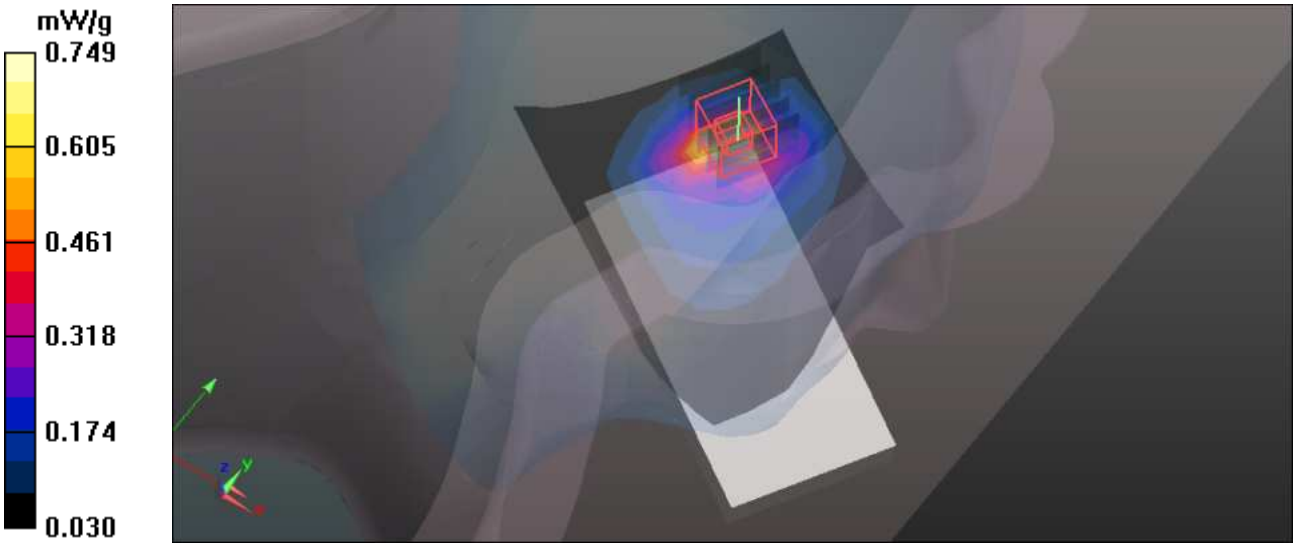
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: 16QAM

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.713 mW/g

Left-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.198 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.062 W/kg
SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.259 mW/g
Maximum value of SAR (measured) = 0.749 mW/g



Date: 2011/7/5

P109_LTE750 1RB_Lowwer_16QAM_Left Head Tilt_Ch23230_Extended

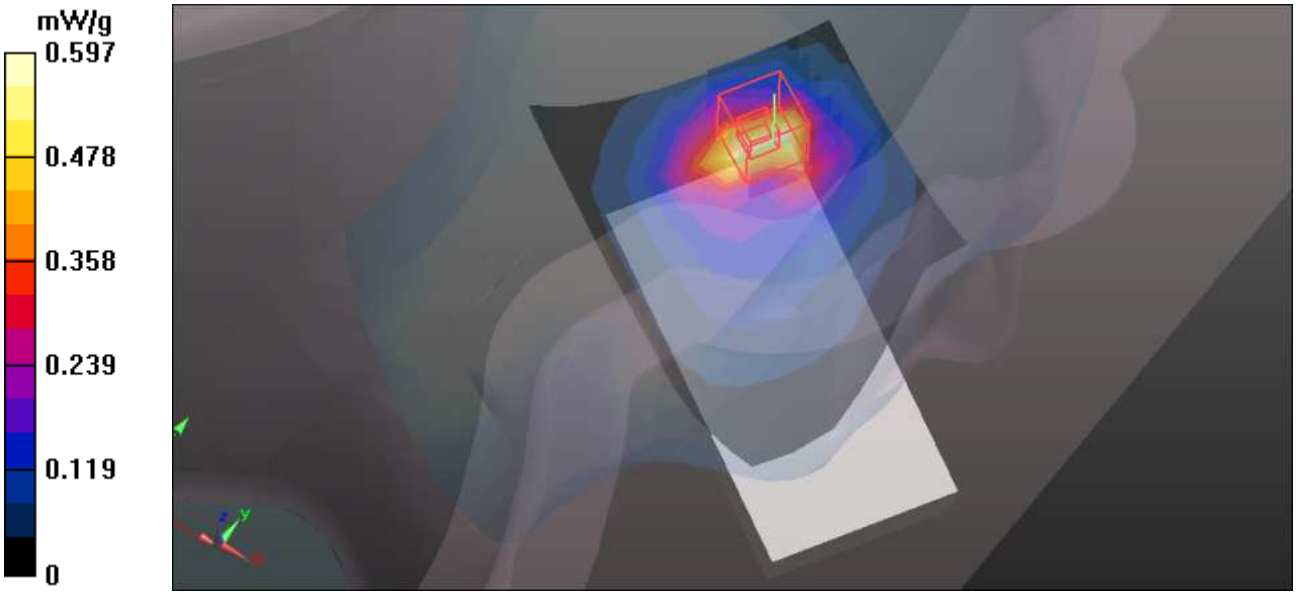
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.9 mho/m; ε_r = 43.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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/Tilt Position - Mid /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.597 mW/g

Left-Hand-Side HSL/Tilt Position - Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.317 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.922 W/kg
SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.238 mW/g
Maximum value of SAR (measured) = 0.640 mW/g



P21_CDMA2000 BC0_RC3+SO55_Front face_1cm_Ch384_Standard 1

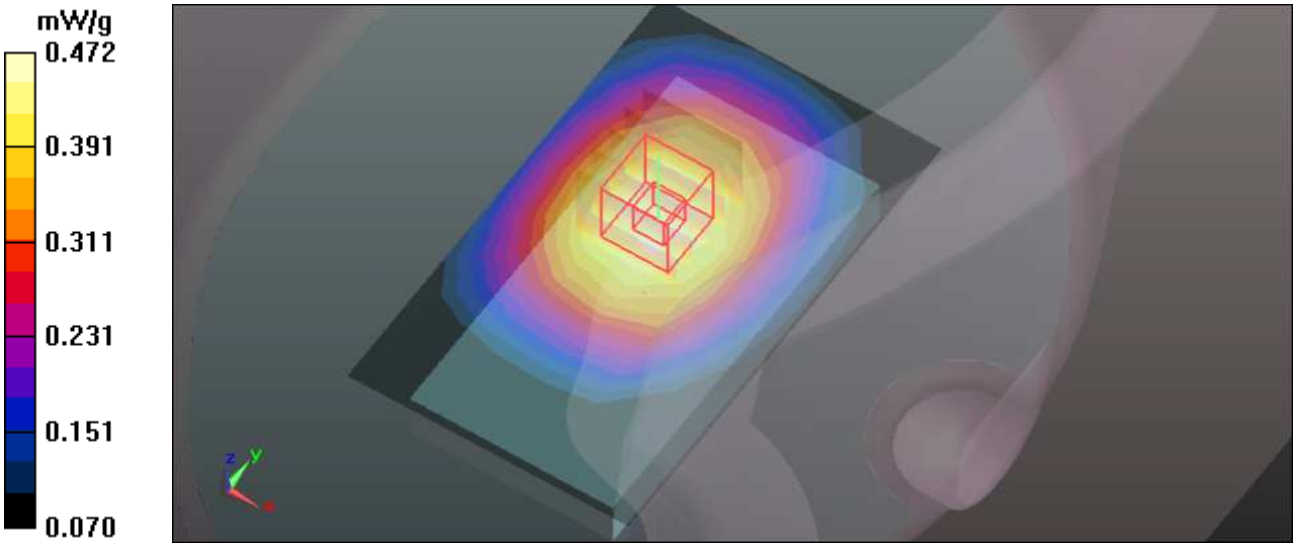
Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.468 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.486 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.522 W/kg
SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.307 mW/g
Maximum value of SAR (measured) = 0.472 mW/g



Date: 2011/7/2

P22_CDMA2000 BC0_RC3+SO55_Back face_1cm_Ch384_Standard 1

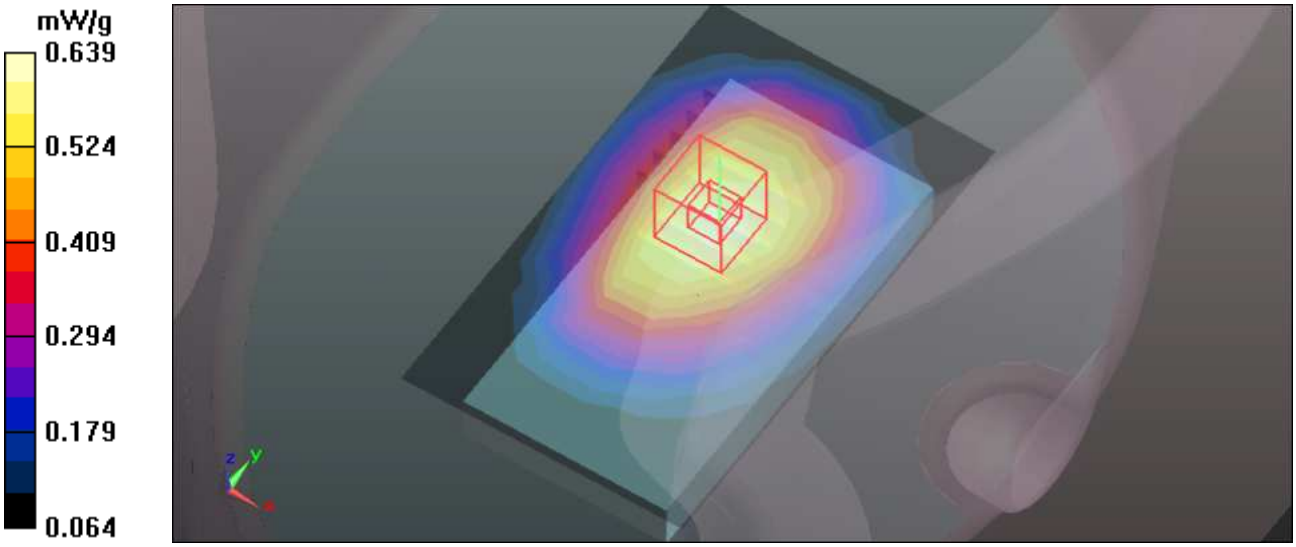
Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.636 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.476 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.718 W/kg
SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.391 mW/g
Maximum value of SAR (measured) = 0.639 mW/g



Date: 2011/7/2

P23_CDMA2000 BC0_RC3+SO55_Right edge side_1cm_Ch384_Standard 1

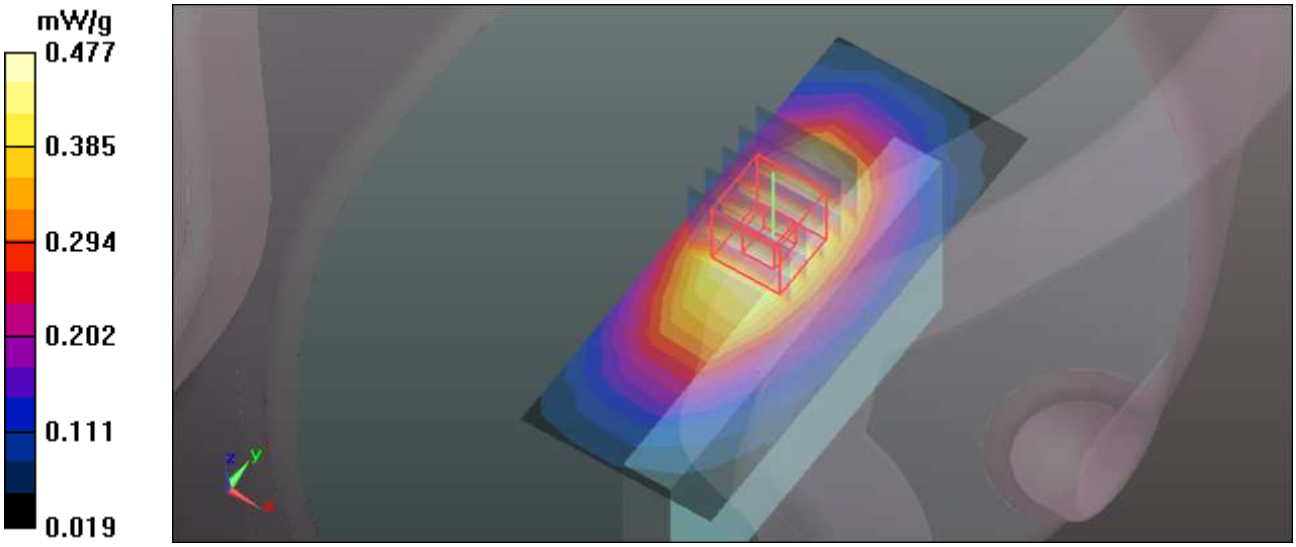
Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.477 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.117 V/m; Power Drift = -0.0061 dB
Peak SAR (extrapolated) = 0.613 W/kg
SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.295 mW/g
Maximum value of SAR (measured) = 0.525 mW/g



Date: 2011/7/2

P24_CDMA2000 BC0_RC3+SO55_Left edge side_1cm_Ch384_Standard 1

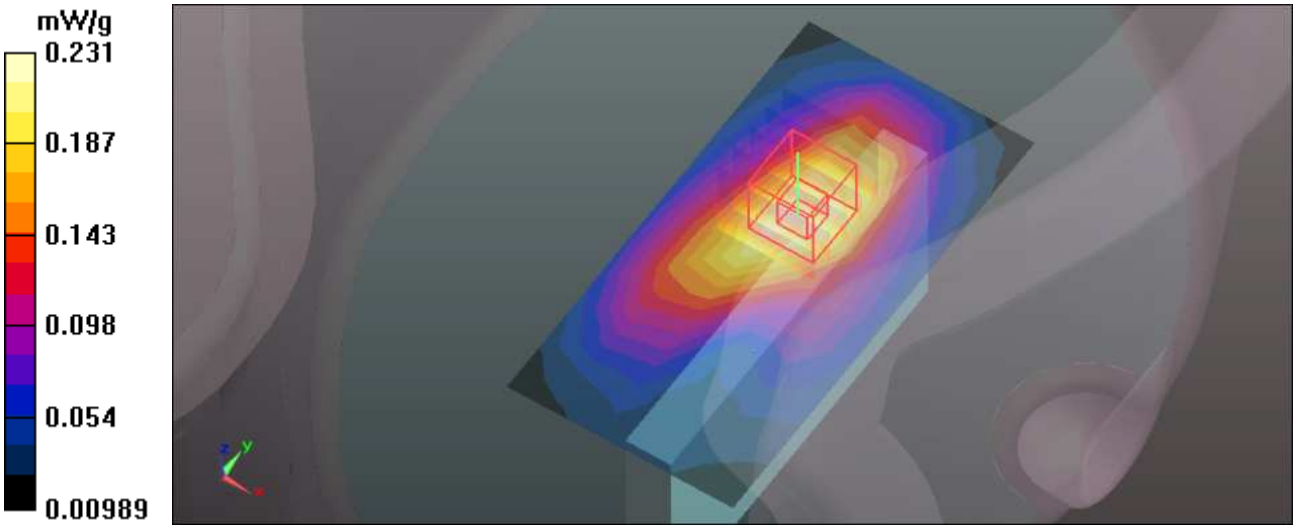
Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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=15mm, dy=15mm
Maximum value of SAR (measured) = 0.231 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.066 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.250 mW/g



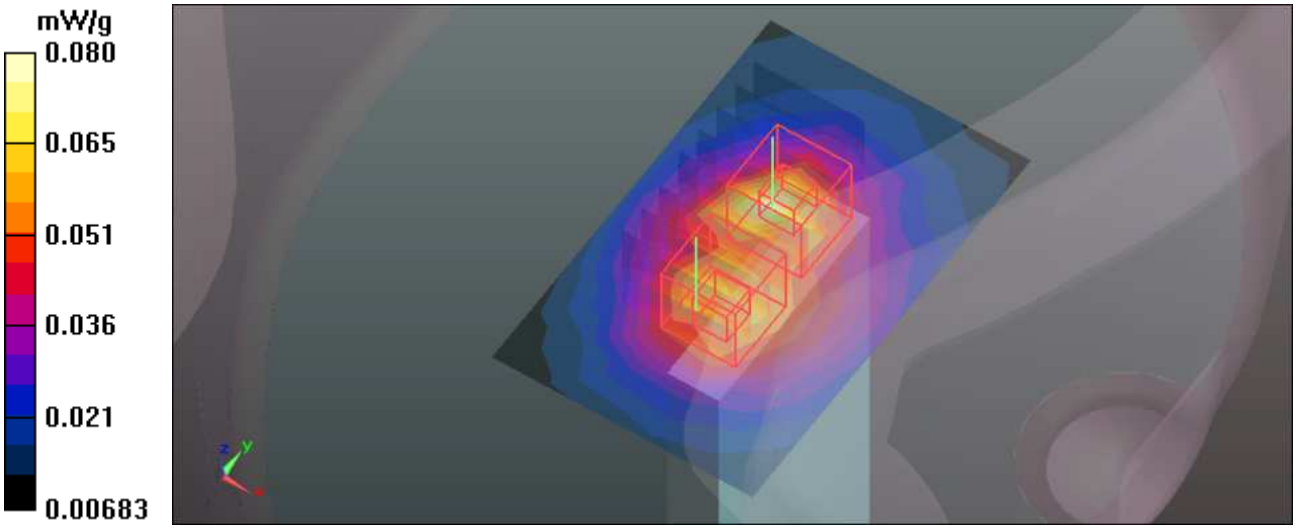
Date: 2011/7/2

P25_CDMA2000 BC0_RC3+SO55_Bottom edge side_1cm_Ch384_Standard 1

Communication System: CDMA850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.080 mW/g
Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.241 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.122 W/kg
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.084 mW/g
Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.241 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.079 W/kg
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.064 mW/g



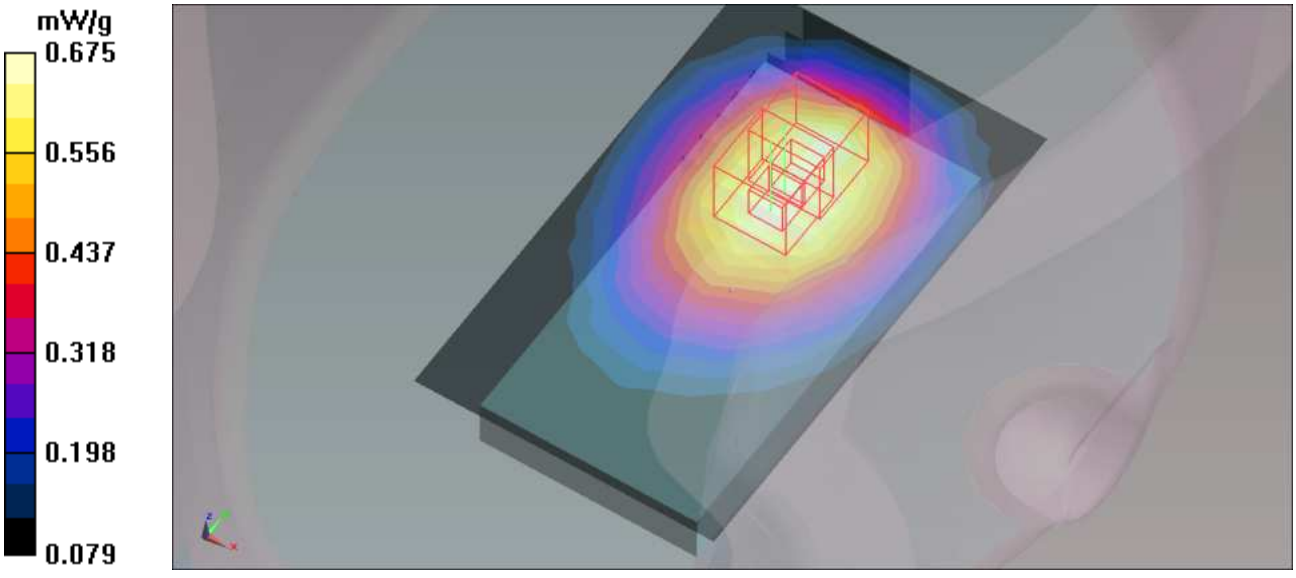
Date: 2011/7/2

P54_CDMA2000 BC0_RC3+SO55_Back Face_1cm_Ch384_Extended

Communication System: CDMA ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL850 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 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(9.12, 9.12, 9.12); 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.664 mW/g
Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.663 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.783 W/kg
SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.401 mW/g
Maximum value of SAR (measured) = 0.677 mW/g
Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.663 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.763 W/kg
SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.316 mW/g
Maximum value of SAR (measured) = 0.605 mW/g



Date: 2011/7/2

P13_CDMA2000 BC0_PTAP 153.6_Front face_1cm_Ch384_Standard 1

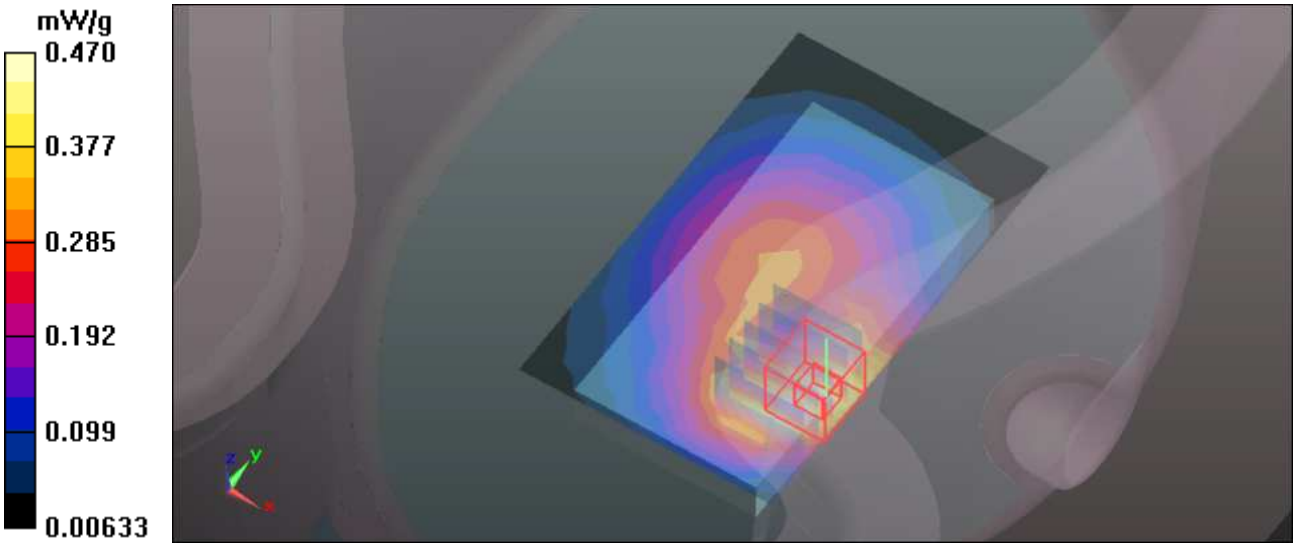
Communication System: EVDO850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.470 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.792 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.592 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.493 mW/g



Date: 2011/7/2

P14_CDMA2000 BC0_PTAP 153.6_Back face_1cm_Ch1013_Standard 1

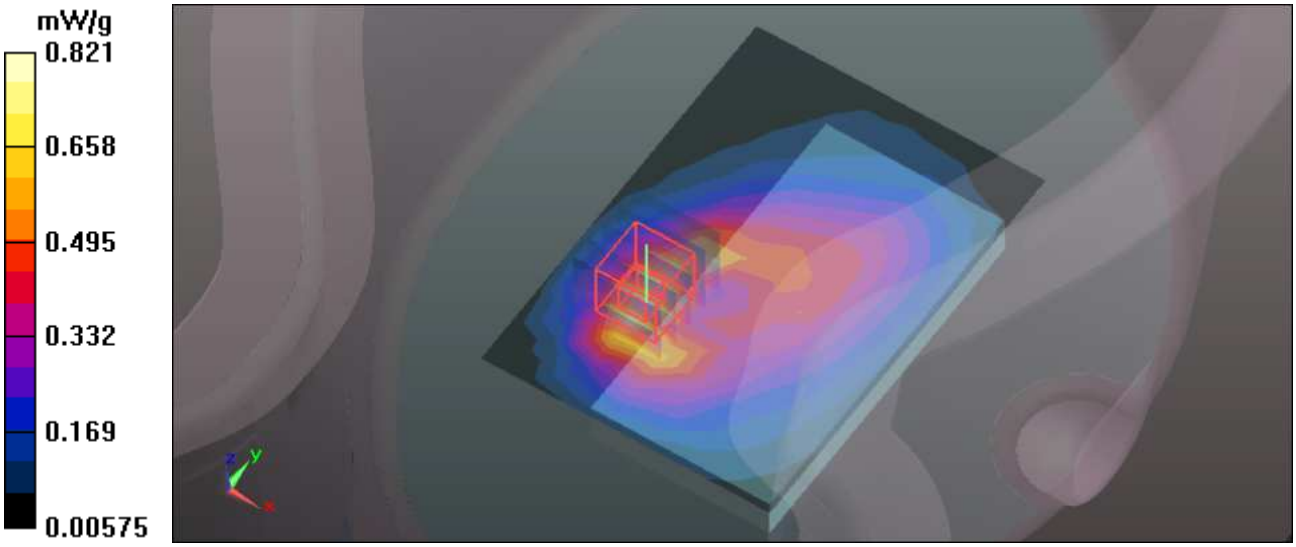
Communication System: EVDO850 ; Frequency: 824.7 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL835 Medium parameters used : f = 824.7 MHz; σ = 0.98 mho/m; ε_r = 57.05; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 Low /Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.821 mW/g

Flat-Section MSL/Flat Section 10mm Low /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.793 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.037 W/kg
SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.385 mW/g
Maximum value of SAR (measured) = 0.841 mW/g



Date: 2011/7/2

P15_CDMA2000 BC0_PTAP 153.6_Back face_1cm_Ch384_Standard 1

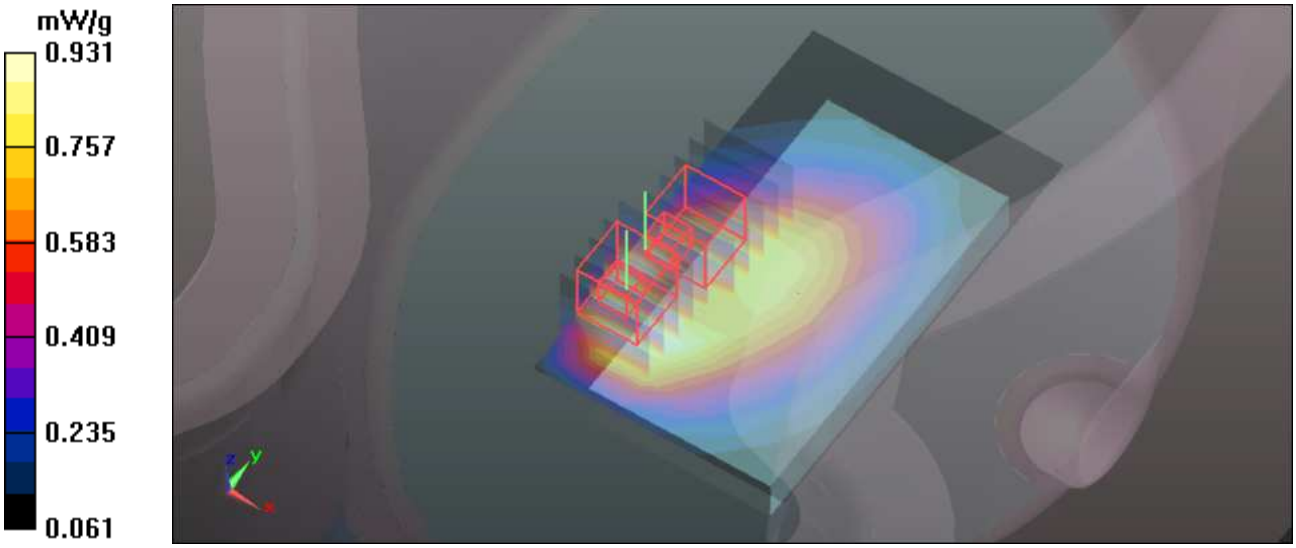
Communication System: EVDO850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.149 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.131 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.483 W/kg
SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.563 mW/g
Maximum value of SAR (measured) = 1.199 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.131 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.106 W/kg
SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 0.931 mW/g



Date: 2011/7/2

P16_CDMA2000 BC0_PTAP 153.6_Back face_1cm_Ch777_Standard 1

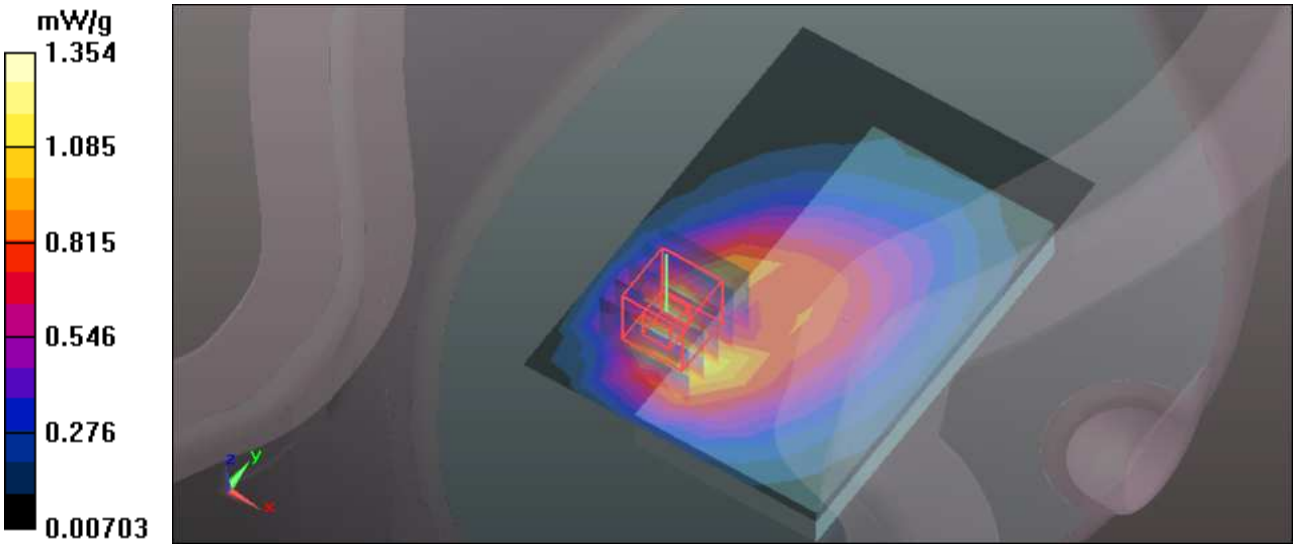
Communication System: EVDO850 ; Frequency: 848.3 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL835 Medium parameters used: f = 848.3 MHz; σ = 1 mho/m; ε_r = 56.63; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 High/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.354 mW/g

Flat-Section MSL/Flat Section 10mm High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.102 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.669 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.627 mW/g
Maximum value of SAR (measured) = 1.330 mW/g



Date: 2011/7/2

P17_CDMA2000 BC0_PTAP 153.6_Top edge side_1cm_Ch384_Standard 1

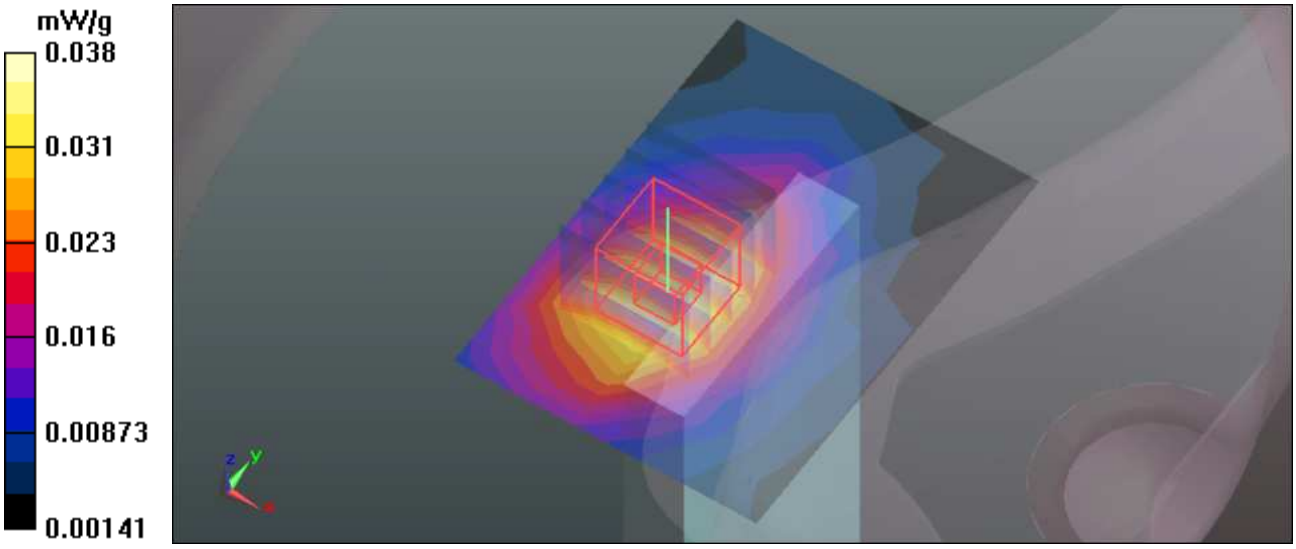
Communication System: EVDO850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The top edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.038 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.458 V/m; Power Drift = -0.0011 dB
Peak SAR (extrapolated) = 0.044 W/kg
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.022 mW/g



Date: 2011/7/2

P18_CDMA2000 BC0_PTAP 153.6_Left edge side_1cm_Ch1013_Standard 1

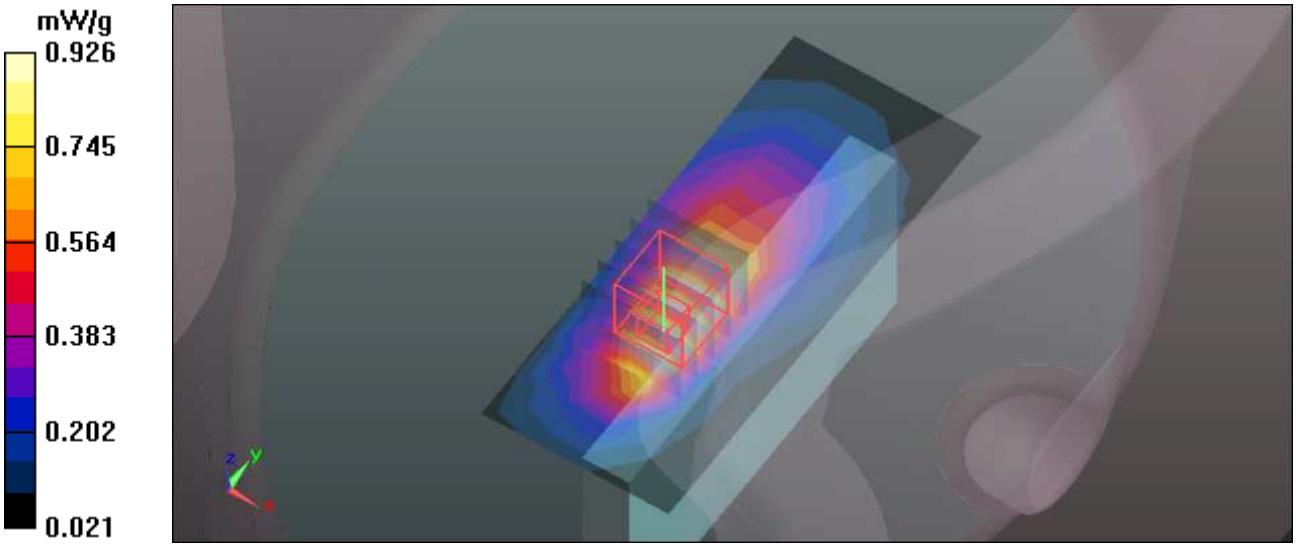
Communication System: EVDO850 ; Frequency: 824.7 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL835 Medium parameters used : f = 824.7 MHz; σ = 0.98 mho/m; ε_r = 57.05; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 Low/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.926 mW/g

Flat-Section MSL/Flat Section 10mm Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.446 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.459 W/kg
SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.516 mW/g
Maximum value of SAR (measured) = 1.178 mW/g



Date: 2011/7/2

P19_CDMA2000 BC0_PTAP 153.6_Left edge side_1cm_Ch384_Standard 1

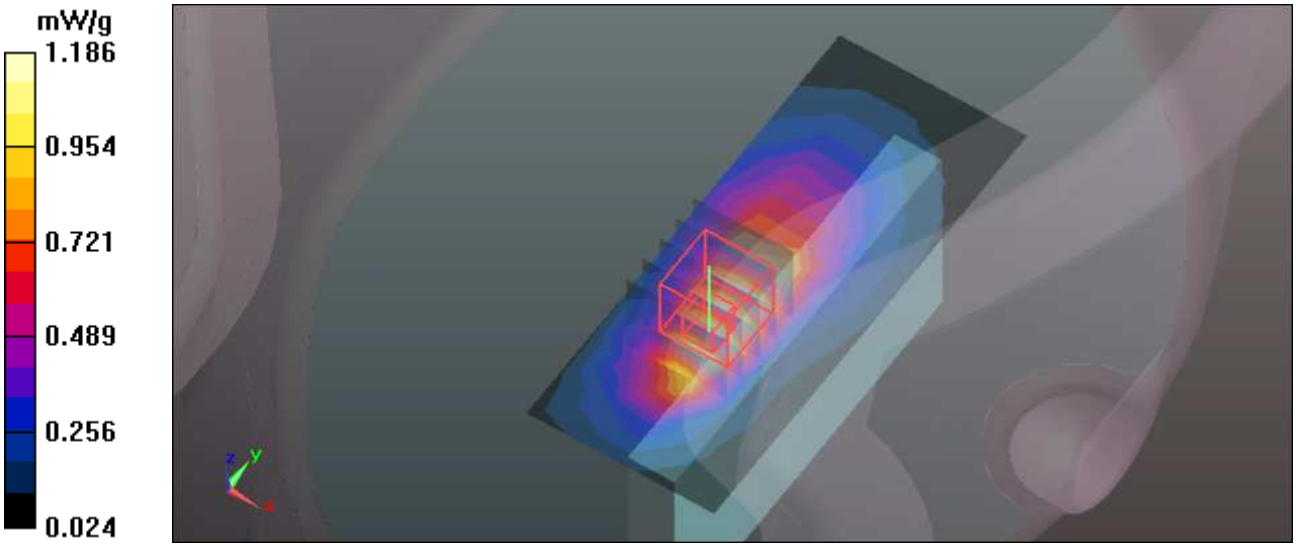
Communication System: EVDO850 ; Frequency: 836.5 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL835 Medium parameters used: f = 836.5 MHz; σ = 0.99 mho/m; ε_r = 56.75; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.186 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.535 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.768 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.629 mW/g
Maximum value of SAR (measured) = 1.452 mW/g



Date: 2011/7/2

P20_CDMA2000 BC0_PTAP 153.6_Left edge side_1cm_Ch777_Standard 1

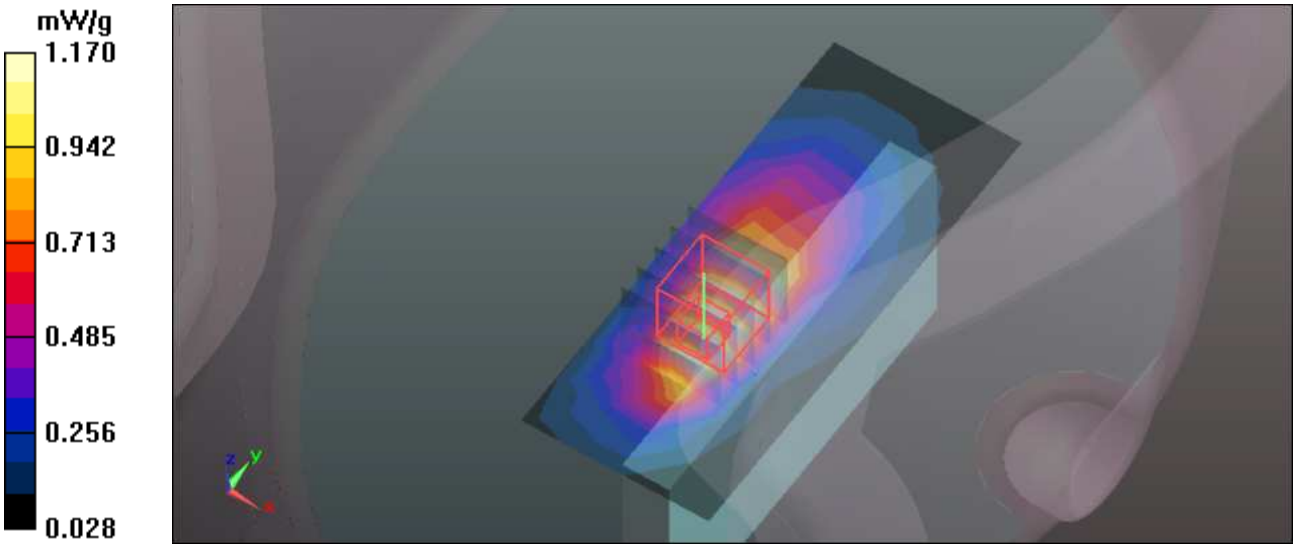
Communication System: EVDO850 ; Frequency: 848.3 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL835 Medium parameters used: f = 848.3 MHz; σ = 1 mho/m; ε_r = 56.63; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 High/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.170 mW/g

Flat-Section MSL/Flat Section 10mm High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.258 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.873 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.655 mW/g
Maximum value of SAR (measured) = 1.510 mW/g



Date: 2011/7/2

P59_CDMA2000 BC0_PTAP 153.6_Left edge side_Ch777_Standard 1

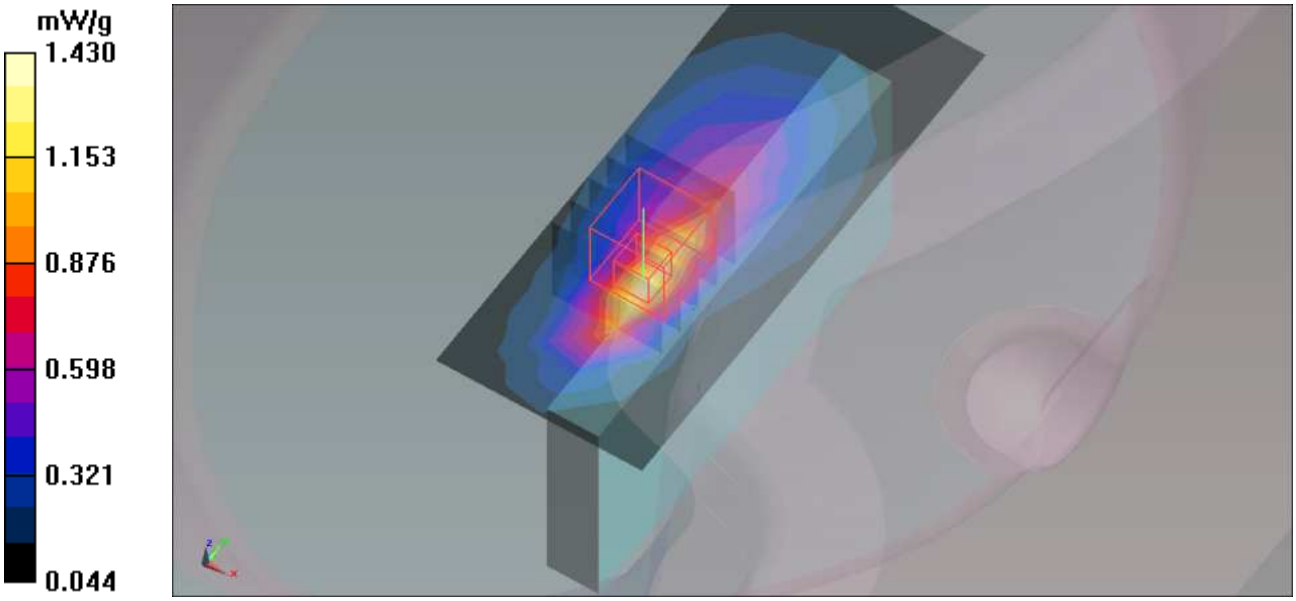
communication System: EVDO ; Frequency: 848.3 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL850 Medium parameters used: f = 848.3 MHz; σ = 1 mho/m; ε_r = 56.63; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 High /Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.335 mW/g

Flat-Section MSL/Flat Section 10mm High /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.114 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.790 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.579 mW/g
Maximum value of SAR (measured) = 1.430 mW/g



Date: 2011/7/4

P42_CDMA2000 BC1_RC3+SO55_Front Face_1cm_Ch25_Standard 1

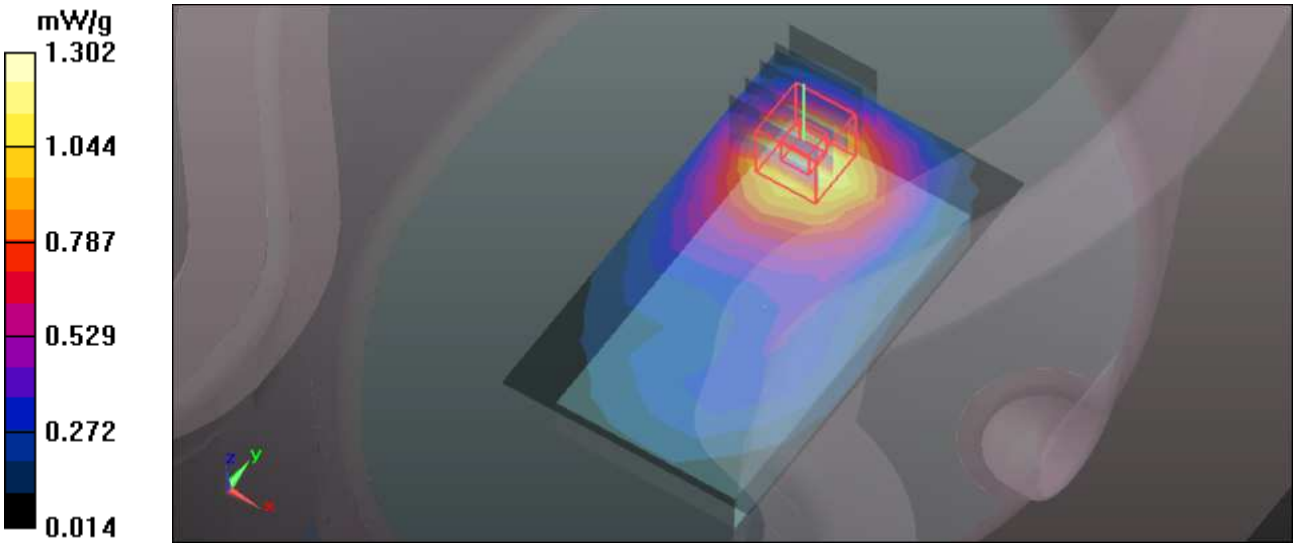
Communication System: CDMA1900 ; Frequency: 1851.25 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used : f = 1851.25 MHz; σ = 1.5 mho/m; ε_r = 54.69; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 Low/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.302 mW/g

Flat-Section MSL/Flat Section 10mm Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.000 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.625 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.644 mW/g
Maximum value of SAR (measured) = 1.319 mW/g



Date: 2011/7/4

P43_CDMA2000 BC1_RC3+SO55_Front Face_1cm_Ch600_Standard 1

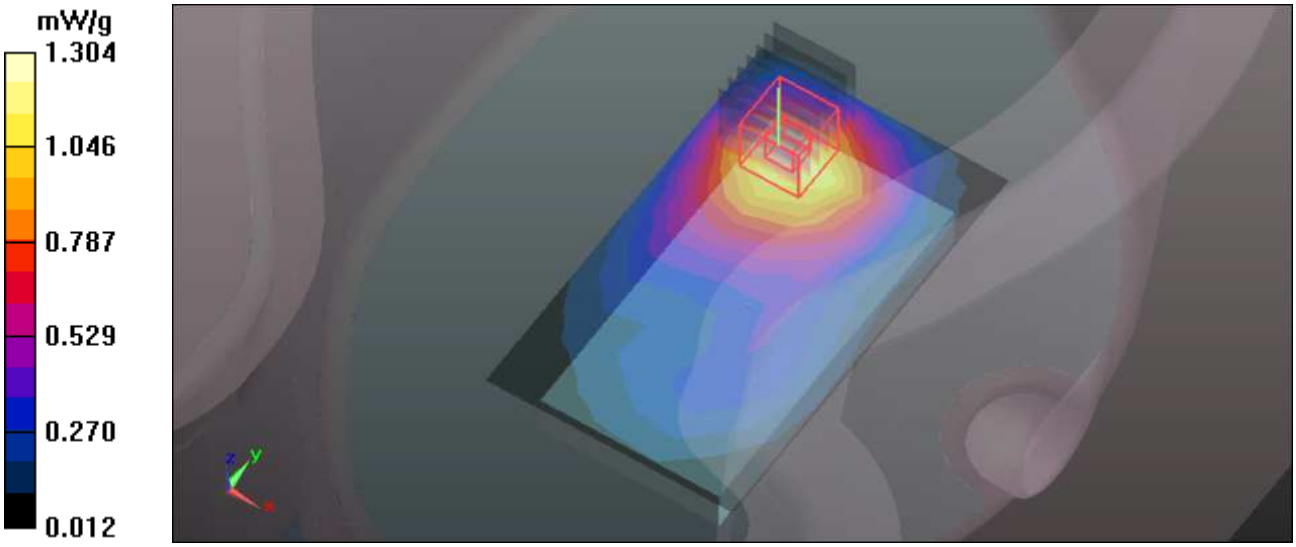
Communication System: CDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.304 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.130 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.646 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.644 mW/g
Maximum value of SAR (measured) = 1.108 mW/g



Date: 2011/7/4

P44_CDMA2000 BC1_RC3+SO55_Front Face_1cm_Ch1175_Standard 1

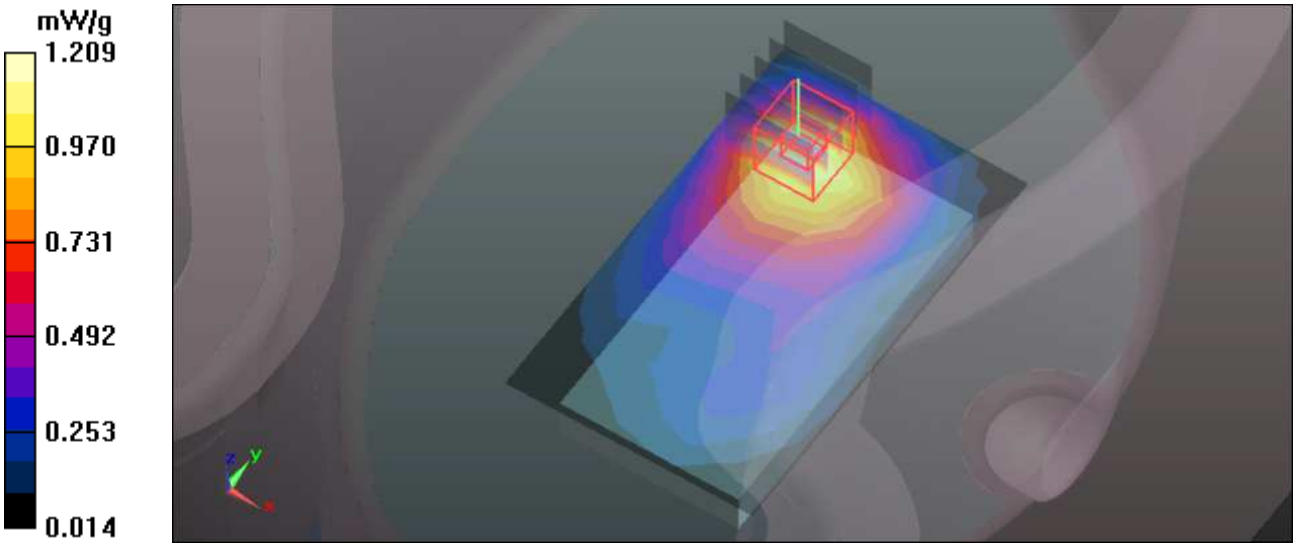
Communication System: CDMA1900 ; Frequency: 1908.75 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used : f = 1908.75 MHz; σ = 1.56 mho/m; ε_r = 54.34; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 High/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.209 mW/g

Flat-Section MSL/Flat Section 10mm High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.377 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.538 W/kg
SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.591 mW/g
Maximum value of SAR (measured) = 1.233 mW/g



Date: 2011/7/4

P45_CDMA2000 BC1_RC3+SO55_Back Face_1cm_Ch600_Standard 1

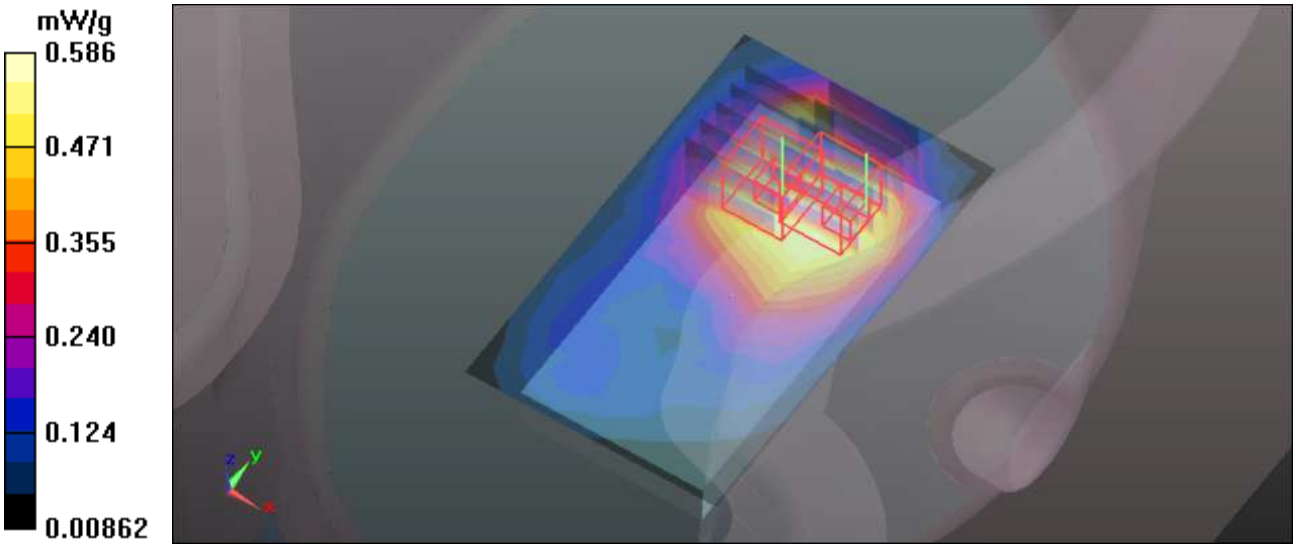
Communication System: CDMA ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.586 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.463 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.784 W/kg
SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.293 mW/g
Maximum value of SAR (measured) = 0.598 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.463 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.715 W/kg
SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.291 mW/g
Maximum value of SAR (measured) = 0.585 mW/g



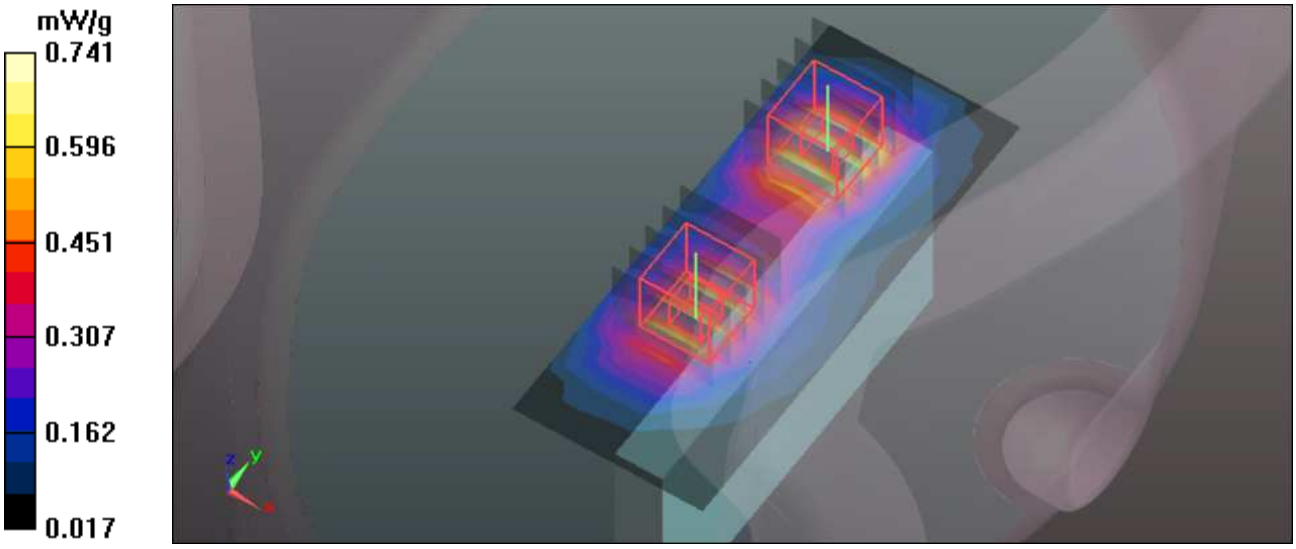
Date: 2011/7/4

P46_CDMA2000 BC1_RC3+SO55_Right edge side_1cm_Ch25_Standard 1

Communication System: CDMA1900 ; Frequency: 1851.25 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used : f = 1851.25 MHz; σ = 1.5 mho/m; ε_r = 54.69; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 Low/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.741 mW/g
Flat-Section MSL/Flat Section 10mm Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.151 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.193 W/kg
SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.372 mW/g
Maximum value of SAR (measured) = 0.950 mW/g
Flat-Section MSL/Flat Section 10mm Low/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.151 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.849 W/kg
SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.307 mW/g
Maximum value of SAR (measured) = 0.694 mW/g



Date: 2011/7/4

P47_CDMA2000 BC1_RC3+SO55_Right edge side_1cm_Ch600_Standard 1

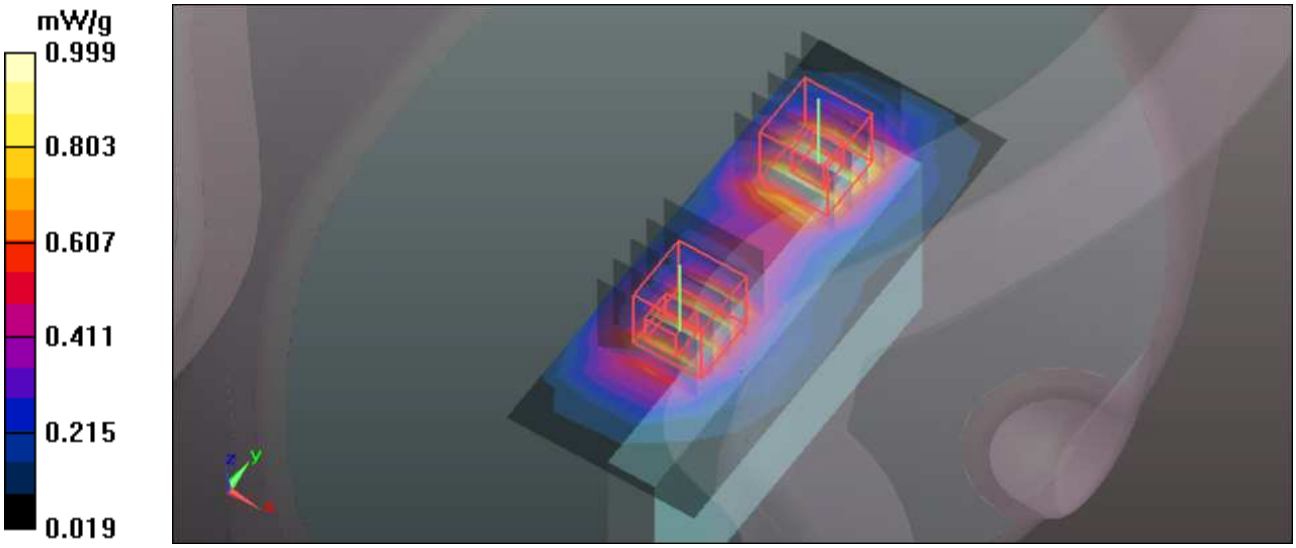
Communication System: CDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.999 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.125 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.668 W/kg
SAR(1 g) = 0.959 mW/g; SAR(10 g) = 0.518 mW/g
Maximum value of SAR (measured) = 1.334 mW/g

Flat-Section MSL/Flat Section 10mm Mid 2/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.125 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 3.146 W/kg
SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.453 mW/g
Maximum value of SAR (measured) = 0.964 mW/g



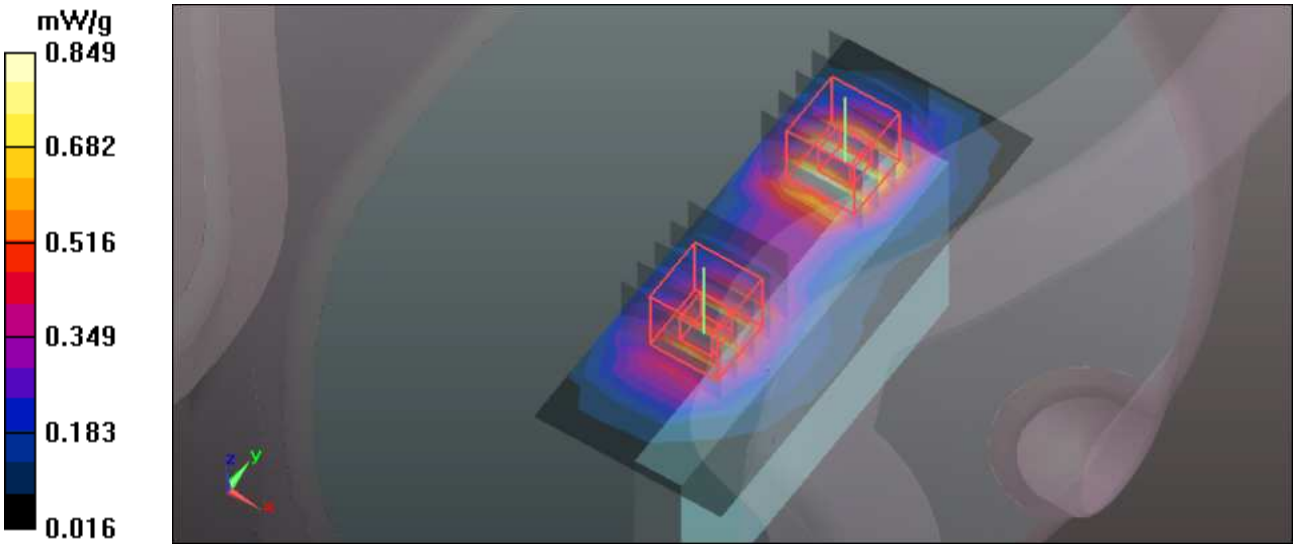
Date: 2011/7/4

P48_CDMA2000 BC1_RC3+SO55_Right edge side_1cm_Ch1175_Standard 1

Communication System: CDMA1900 ; Frequency: 1908.75 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used : f = 1908.75 MHz; σ = 1.56 mho/m; ε_r = 54.34; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 High/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.849 mW/g
Flat-Section MSL/Flat Section 10mm High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.778 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.416 W/kg
SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.433 mW/g
Maximum value of SAR (measured) = 1.130 mW/g
Flat-Section MSL/Flat Section 10mm High/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.778 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.915 W/kg
SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.320 mW/g
Maximum value of SAR (measured) = 0.751 mW/g



Date: 2011/7/4

P49_CDMA2000 BC1_RC3+SO55_Left edge side_1cm_Ch600_Standard 1

Communication System: CDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

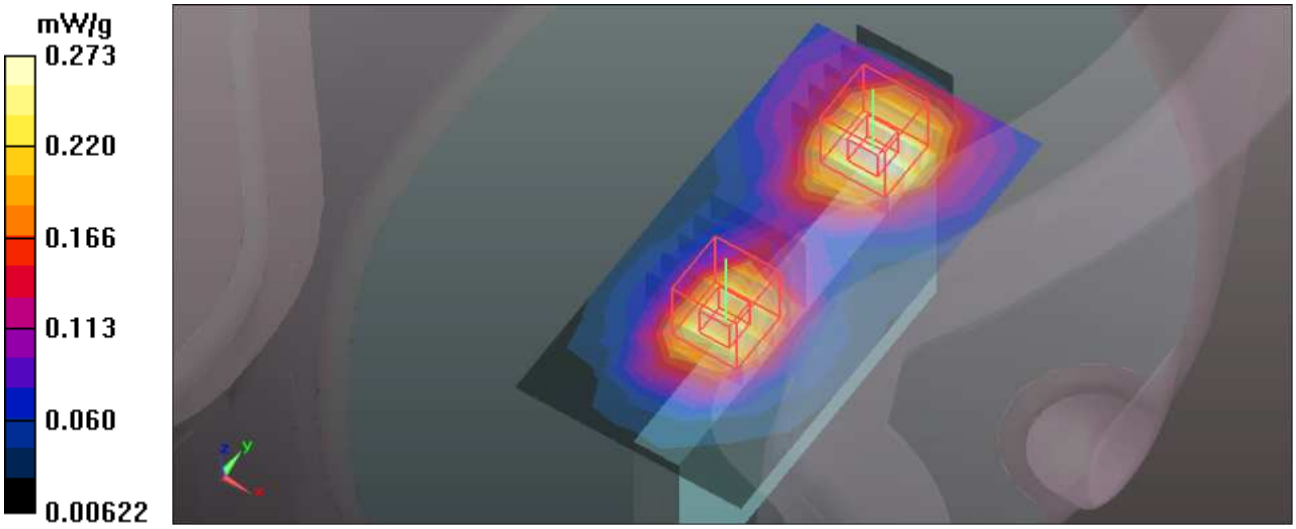
DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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=15mm, dy=15mm
Maximum value of SAR (measured) = 0.273 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.544 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.386 W/kg
SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.133 mW/g
Maximum value of SAR (measured) = 0.317 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.544 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.399 W/kg
SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.143 mW/g
Maximum value of SAR (measured) = 0.326 mW/g



Date: 2011/7/4

P50_CDMA2000 BC1_RC3+SO55_Bottom edge side_1cm_Ch600_Standard 1

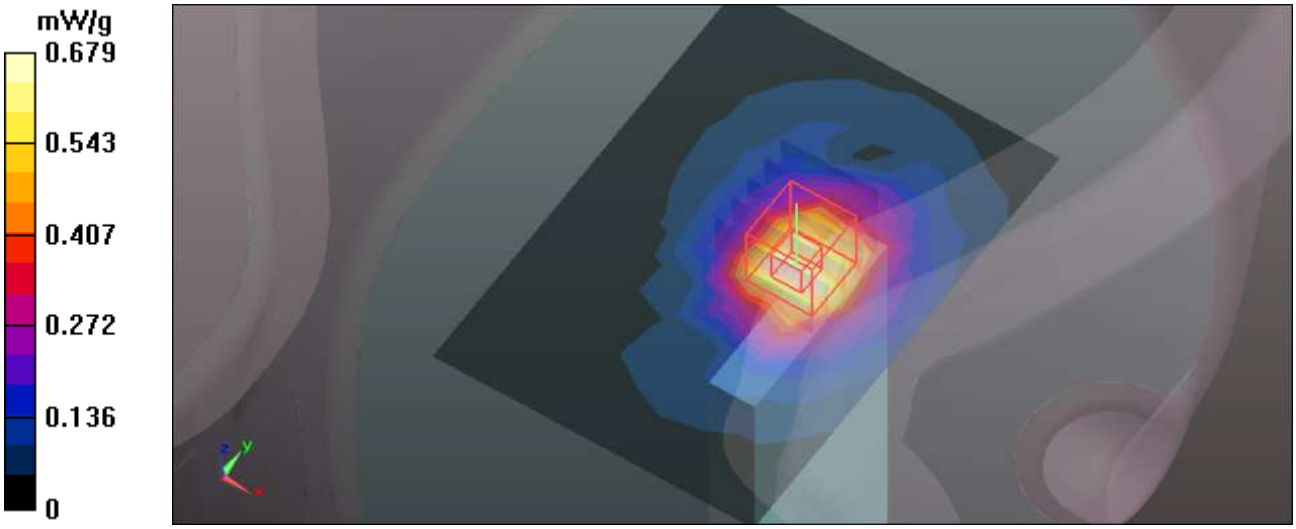
Communication System: CDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.679 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.426 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.005 W/kg
SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.337 mW/g
Maximum value of SAR (measured) = 0.809 mW/g



Date: 2011/7/4

P58_CDMA2000 BC1_RC3+SO55_Front Face_1cm_Ch600_Extended

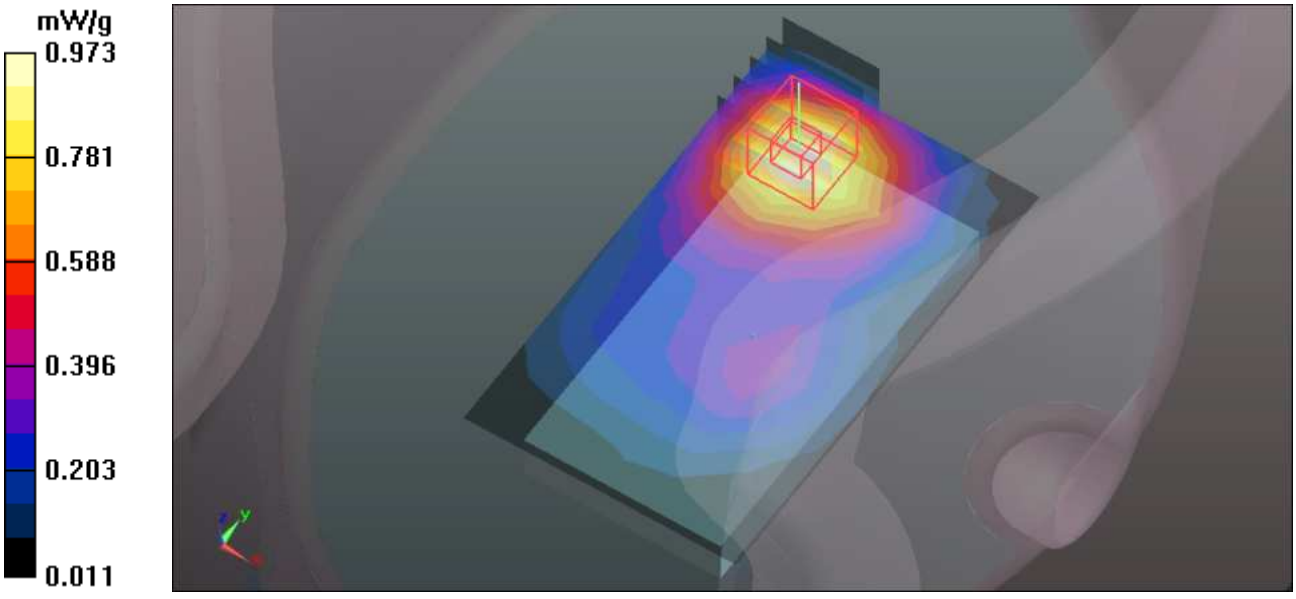
Communication System: CDMA ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: OQPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.973 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.059 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.244 W/kg
SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.473 mW/g
Maximum value of SAR (measured) = 1.015 mW/g



Date: 2011/7/4

P38_CDMA2000 BC1_PTAP 153.6_Front Face_1cm_Ch600_Standard 1

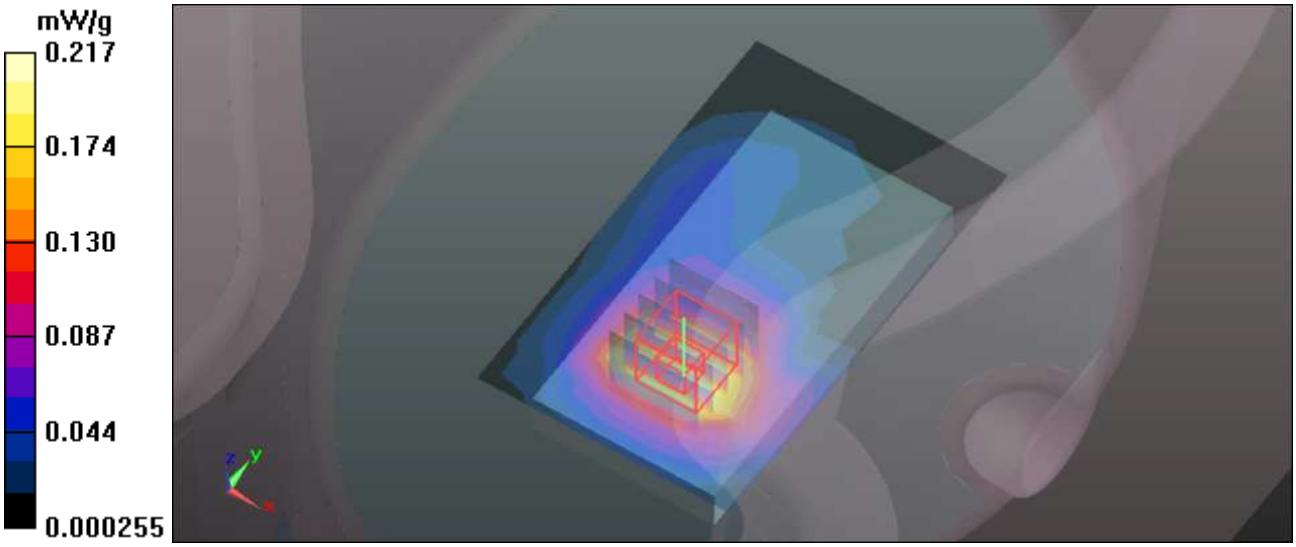
Communication System: EVDO1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.217 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.161 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 0.231 mW/g



Date: 2011/7/4

P39_CDMA2000 BC1_PTAP 153.6_Back Face_1cm_Ch600_Standard 1

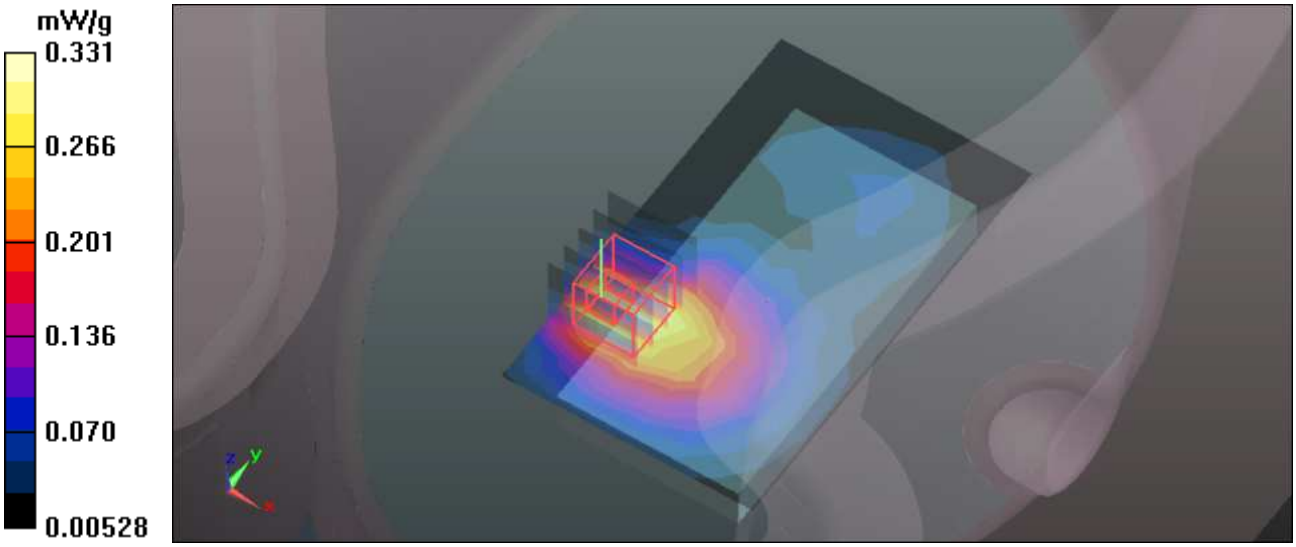
Communication System: EVDO1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.331 mW/g

Flat-Section MSL/Flat Section 10mm Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.192 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.480 W/kg
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.370 mW/g



Date: 2011/7/4

P40_CDMA2000 BC1_PTAP 153.6_Top edge side_1cm_Ch600_Standard 1

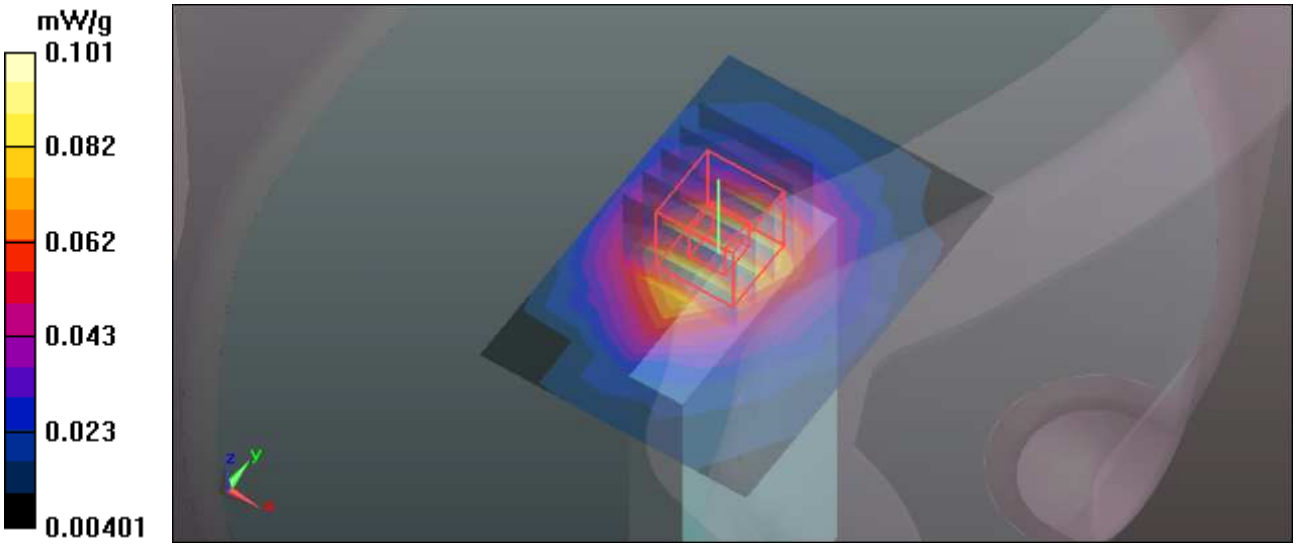
Communication System: EVDO1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The top edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.101 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.868 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.127 W/kg
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.048 mW/g
Maximum value of SAR (measured) = 0.104 mW/g



Date: 2011/7/4

P41_CDMA2000 BC1_PTAP 153.6_Left edge side_1cm_Ch600_Standard 1

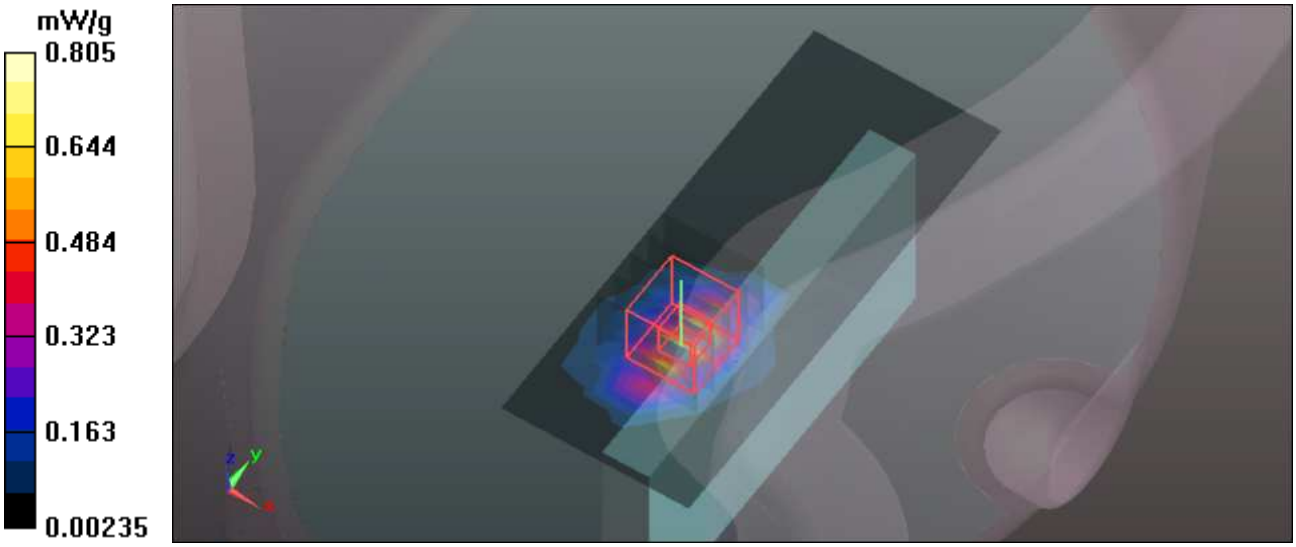
Communication System: EVDO1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.805 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.138 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.054 W/kg
SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.264 mW/g
Maximum value of SAR (measured) = 0.799 mW/g



Date: 2011/7/4

P57_CDMA2000 BC1_PTAP 153.6_Left edge side_1cm_Ch600_Extended

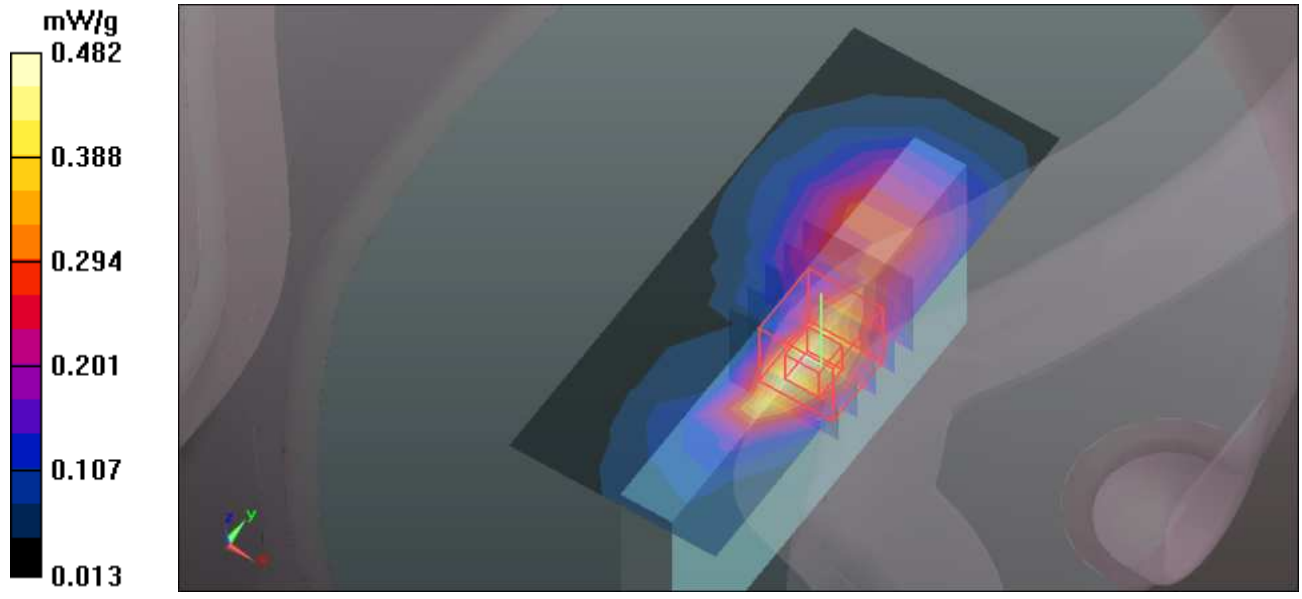
Communication System: EVDO ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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 (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.482 mW/g

Flat-Section MSL/Flat Section 10mm Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.673 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.686 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.544 mW/g



Date: 2011/7/6

P84_LTE750 50%RB_QPSK_Front Face_1cm_Ch23230_Standard 1

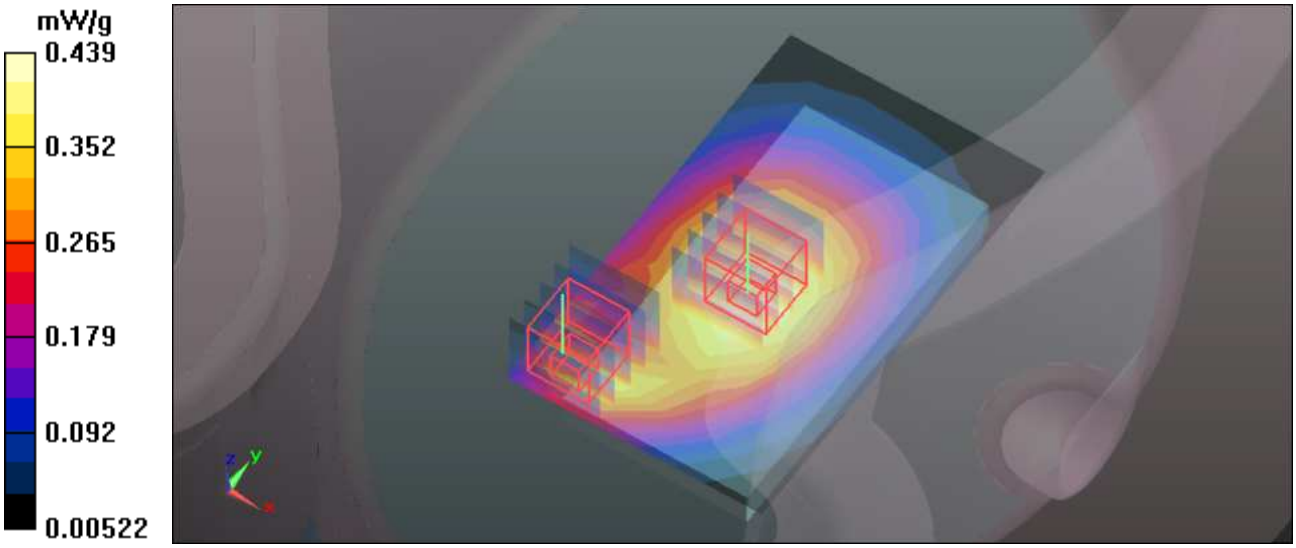
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.439 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.788 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.490 W/kg
SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.290 mW/g
Maximum value of SAR (measured) = 0.443 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.788 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.180 mW/g
Maximum value of SAR (measured) = 0.370 mW/g



Date: 2011/7/6

P85_LTE750 1RB_Lowwer_QPSK_Front Face_1cm_Ch23230_Standard 1

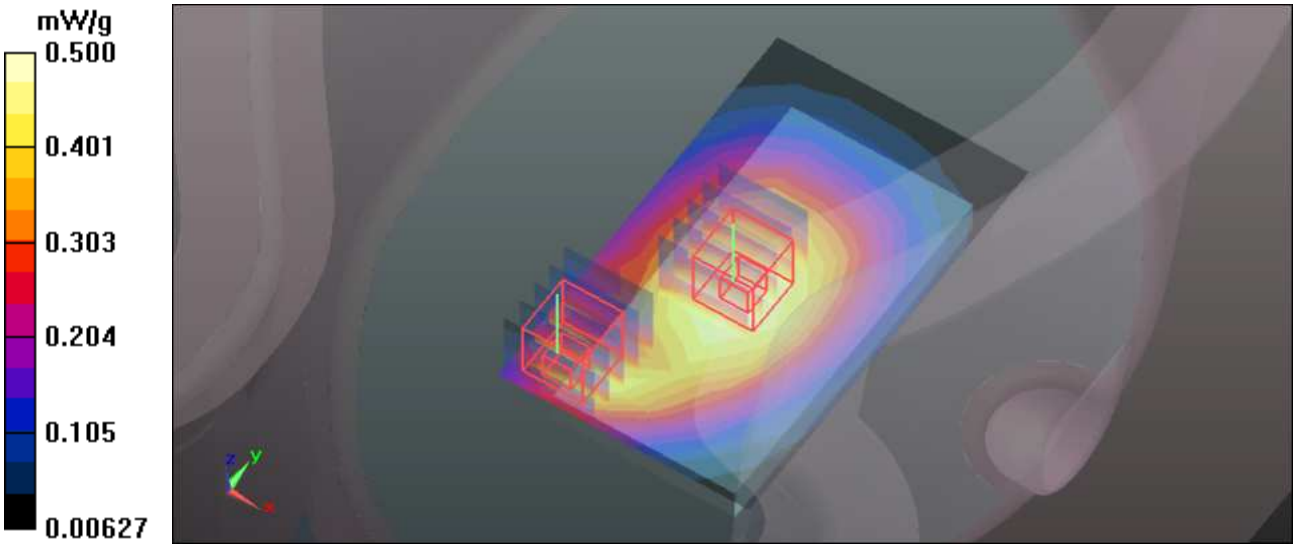
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance :10 mm (The front face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.500 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.070 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.640 W/kg
SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.337 mW/g
Maximum value of SAR (measured) = 0.509 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.070 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.440 mW/g



Date: 2011/7/6

P86_LTE750 1RB_Upper_QPSK_Front Face_1cm_Ch23230_Standard 1

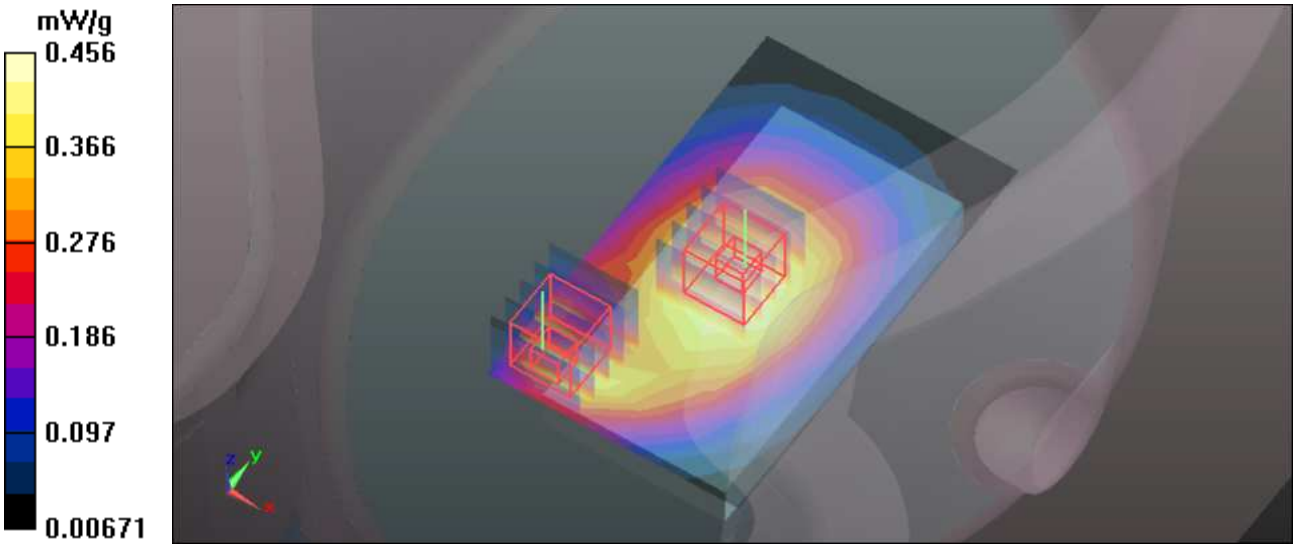
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The front face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.456 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.818 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.535 W/kg
SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.308 mW/g
Maximum value of SAR (measured) = 0.475 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.818 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.546 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.201 mW/g
Maximum value of SAR (measured) = 0.418 mW/g



Date: 2011/7/6

P87_LTE750 50%RB_QPSK_Back Face_1cm_Ch23230_Standard 1

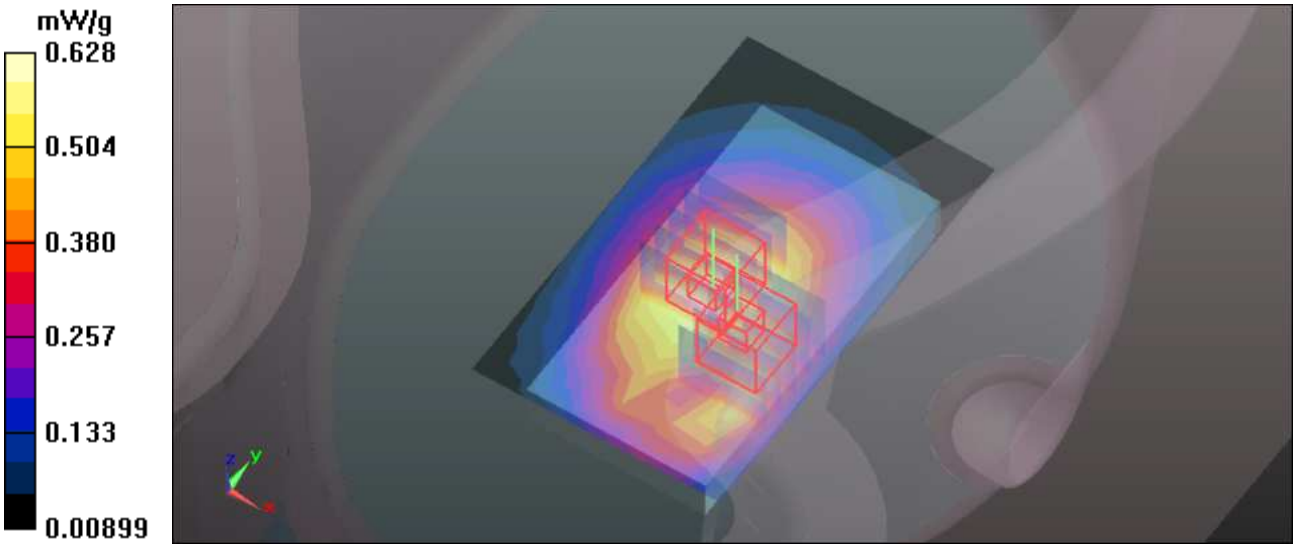
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.628 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.996 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.716 W/kg
SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.401 mW/g
Maximum value of SAR (measured) = 0.639 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.996 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.658 W/kg
SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.316 mW/g
Maximum value of SAR (measured) = 0.585 mW/g



Date: 2011/7/6

P88_LTE750 1RB_Lowwer_QPSK_Back Face_1cm_Ch23230_Standard 1

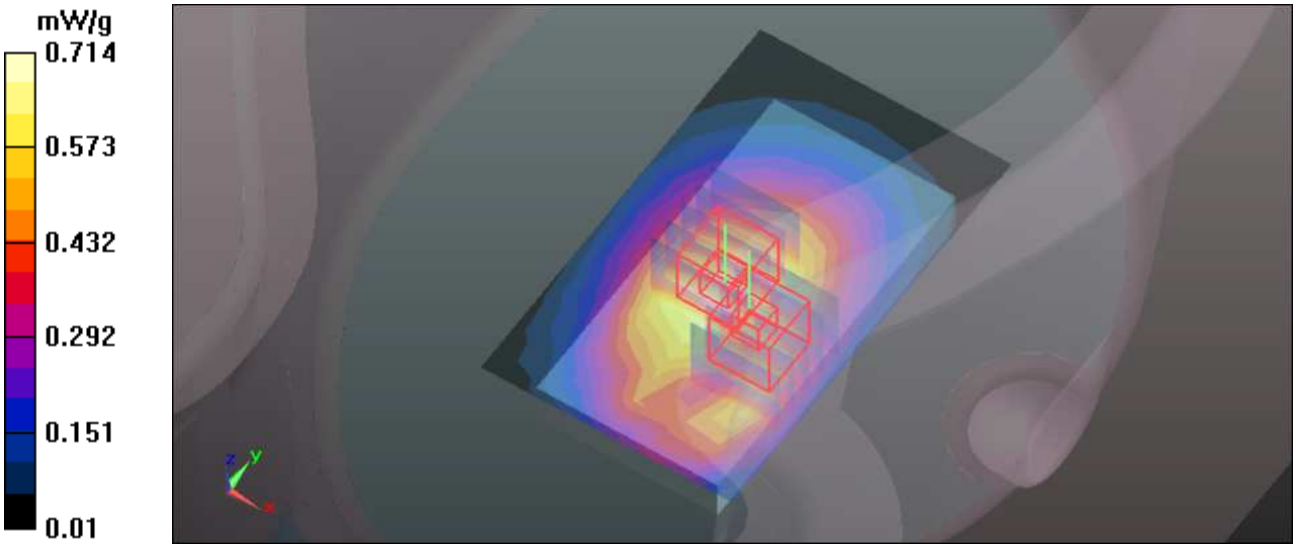
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.714 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.078 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.810 W/kg
SAR(1 g) = 0.615 mW/g; SAR(10 g) = 0.453 mW/g
Maximum value of SAR (measured) = 0.723 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.078 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.740 W/kg
SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.354 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



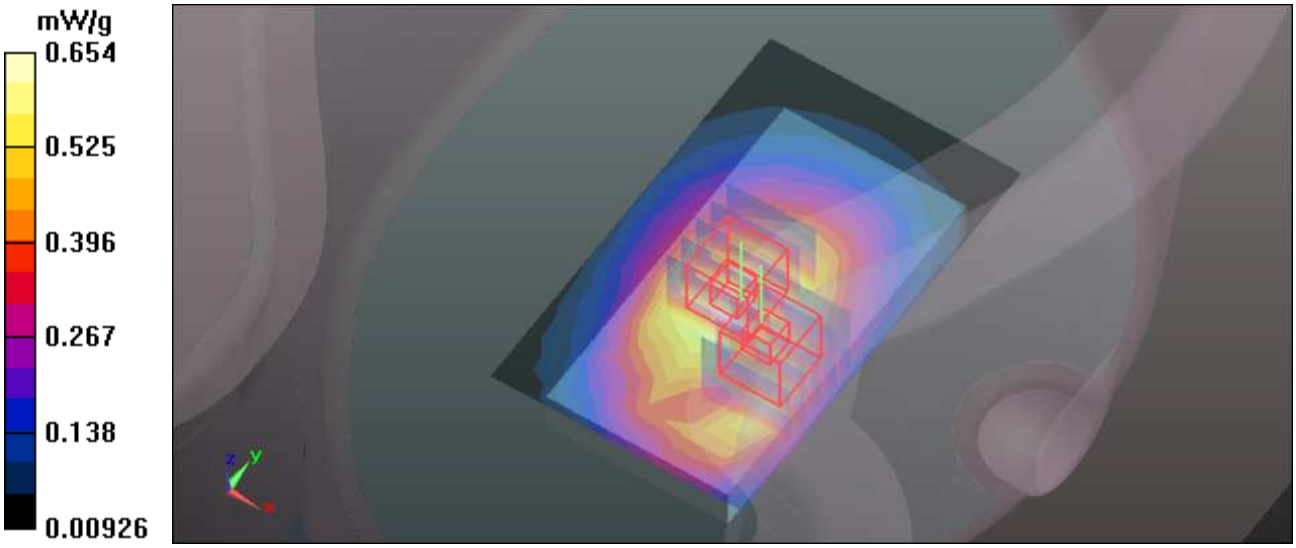
Date: 2011/7/6

P89_LTE750 1RB_Upper_QPSK_Back Face_1cm_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 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(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm /Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.654 mW/g
Flat-Section MSL/Flat Section 10mm /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.063 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.744 W/kg
SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.414 mW/g
Maximum value of SAR (measured) = 0.660 mW/g
Flat-Section MSL/Flat Section 10mm /Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.063 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.678 W/kg
SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 0.601 mW/g



Date: 2011/7/6

P90_LTE750 50%RB_QPSK_Top side_1cm_Ch23230_Standard 1

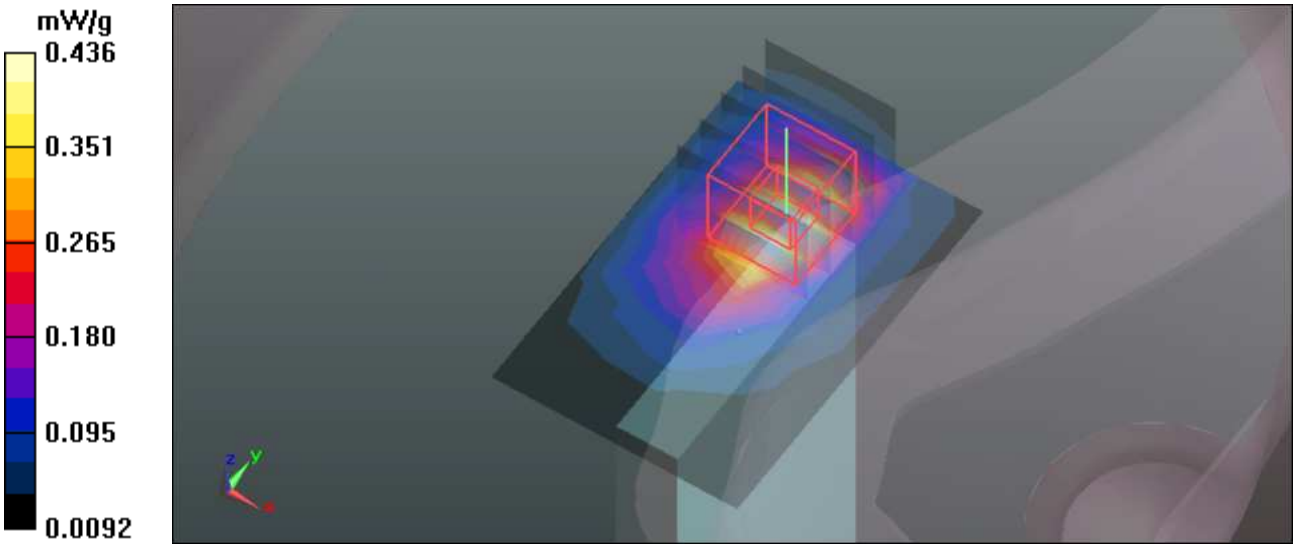
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The top edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.436 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.367 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.727 W/kg
SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.558 mW/g



Date: 2011/7/6

P91_LTE750 1RB_Lowwer_QPSK_Top side_1cm_Ch23230_Standard 1

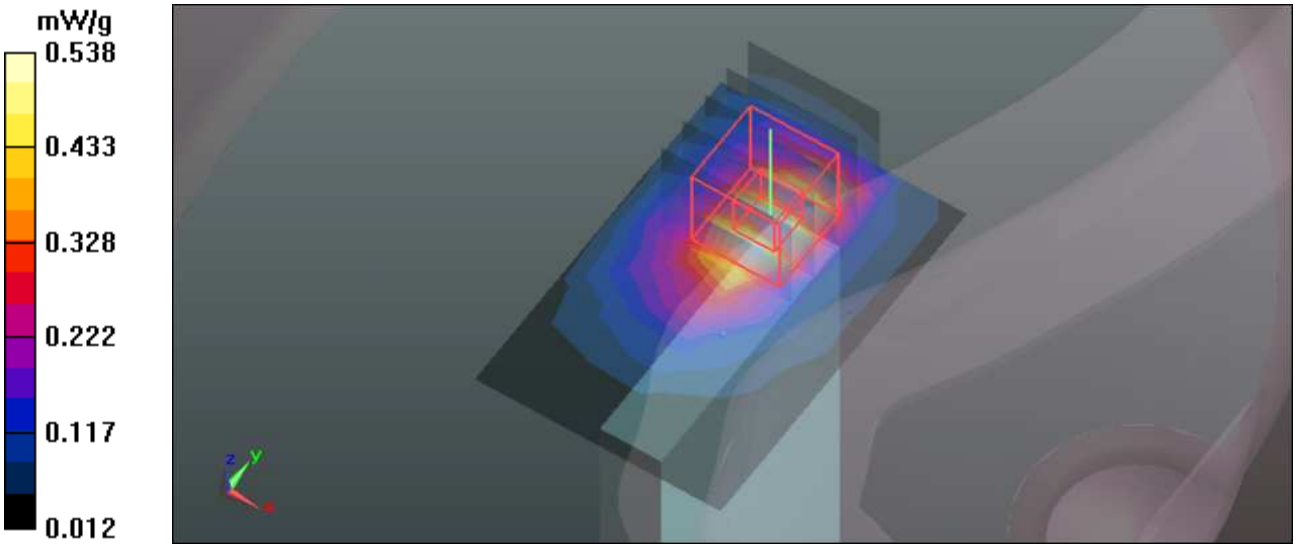
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The top edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.538 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.203 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.870 W/kg
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.245 mW/g
Maximum value of SAR (measured) = 0.667 mW/g



Date: 2011/7/6

P92_LTE750 1RB_Upper_QPSK_Top side_1cm_Ch23230_Standard 1

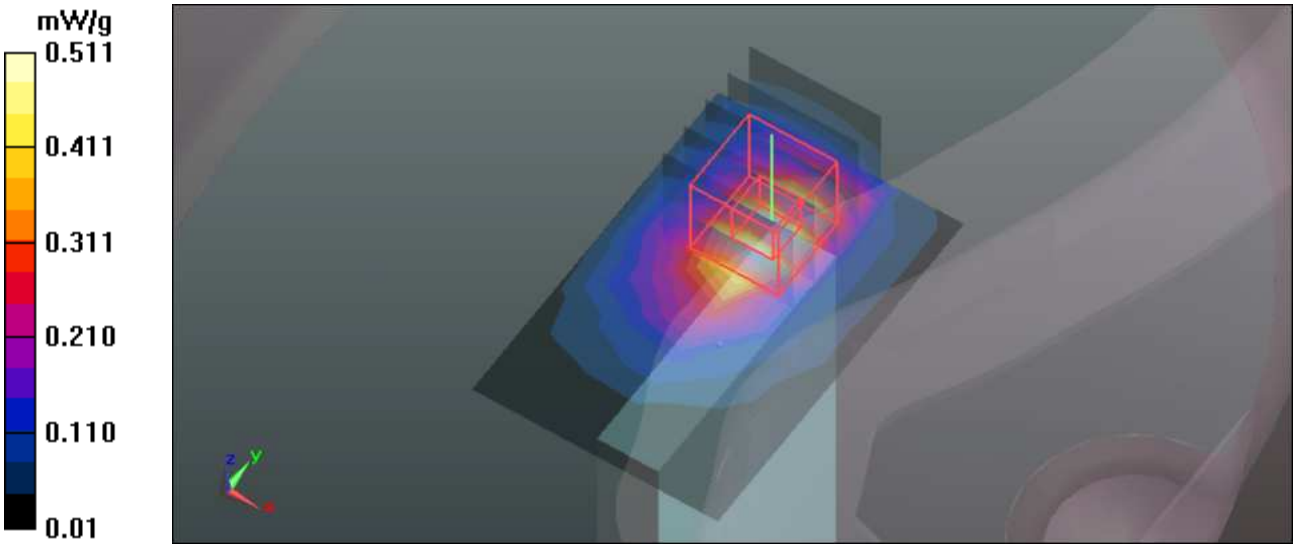
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The top edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.511 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.451 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.806 W/kg
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 0.610 mW/g



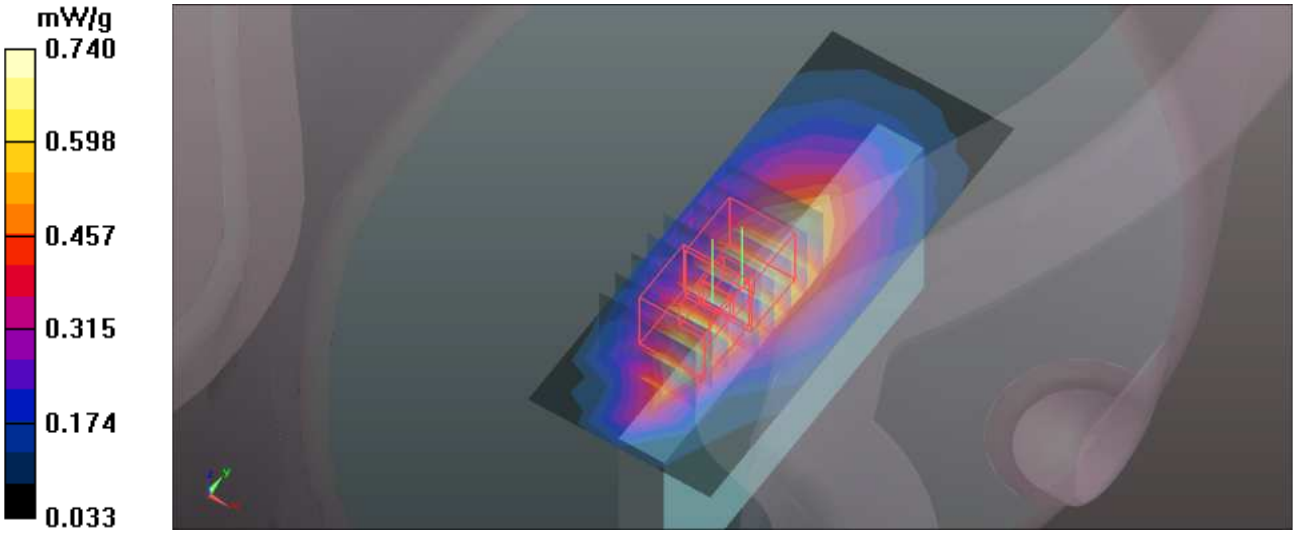
Date: 2011/7/6

P93_LTE750 50%RB_QPSK_Right side_1cm_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.715 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.255 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.900 W/kg
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.382 mW/g
Maximum value of SAR (measured) = 0.739 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.255 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.888 W/kg
SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.337 mW/g
Maximum value of SAR (measured) = 0.740 mW/g



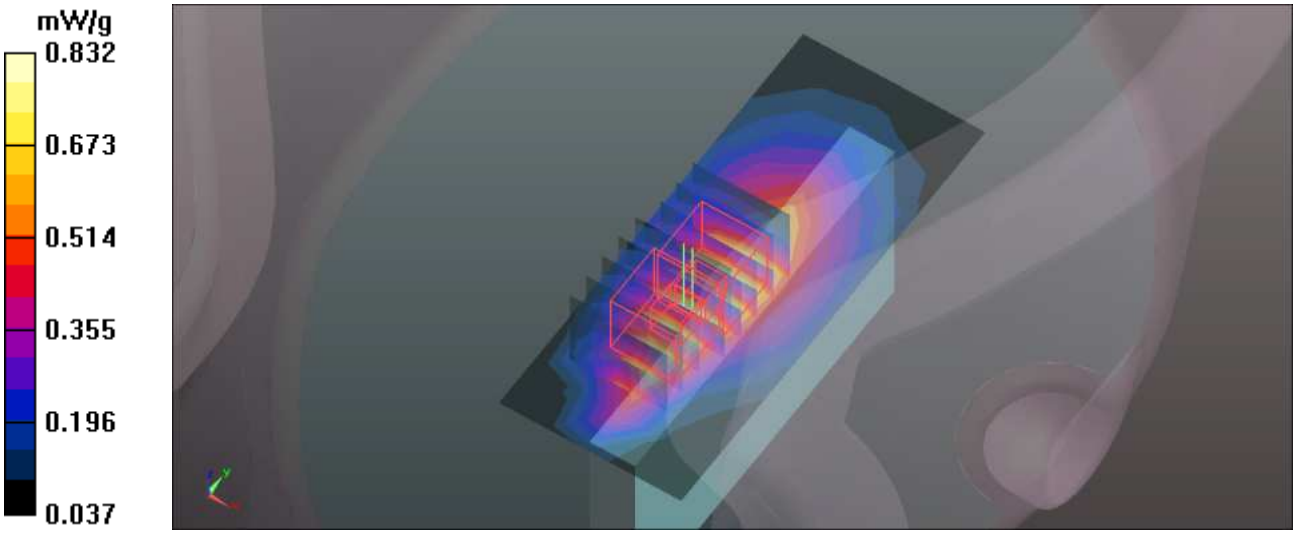
Date: 2011/7/6

P94_LTE750 1RB_Lowwer_QPSK_Right side_1cm_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.788 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.898 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.994 W/kg
SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.426 mW/g
Maximum value of SAR (measured) = 0.816 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.898 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.993 W/kg
SAR(1 g) = 0.616 mW/g; SAR(10 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.832 mW/g



Date: 2011/7/6

P95_LTE750 1RB_Upper_QPSK_Right side_1cm_Ch23230_Standard 1

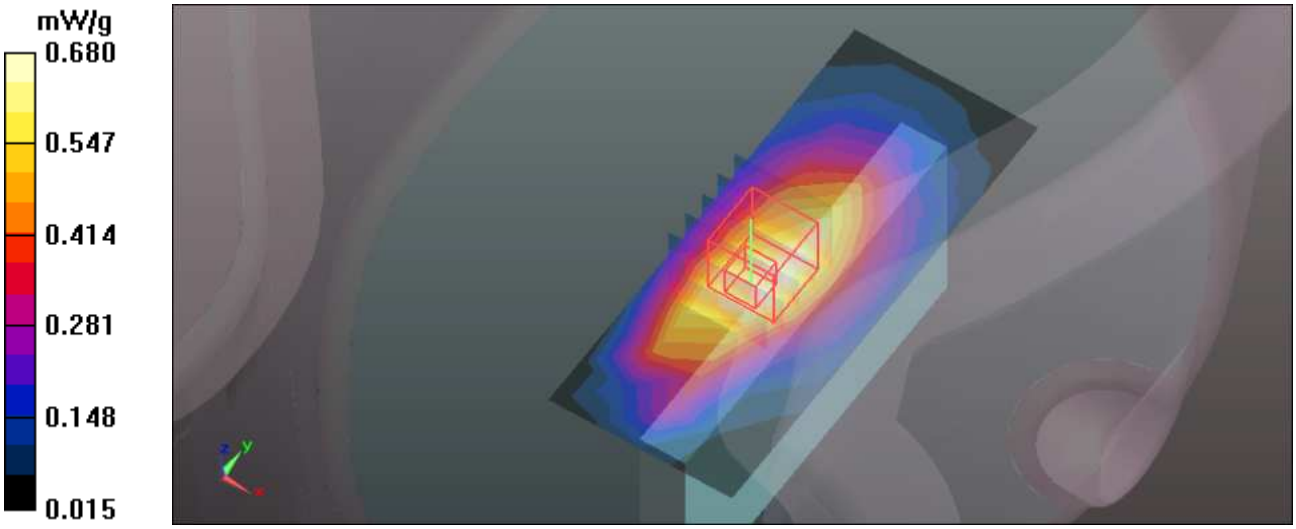
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.680 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.186 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.875 W/kg
SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.736 mW/g



Date: 2011/7/6

P110_LTE750 1RB_Lowwer_QPSK_Right side_1cm_Ch23230_Extended

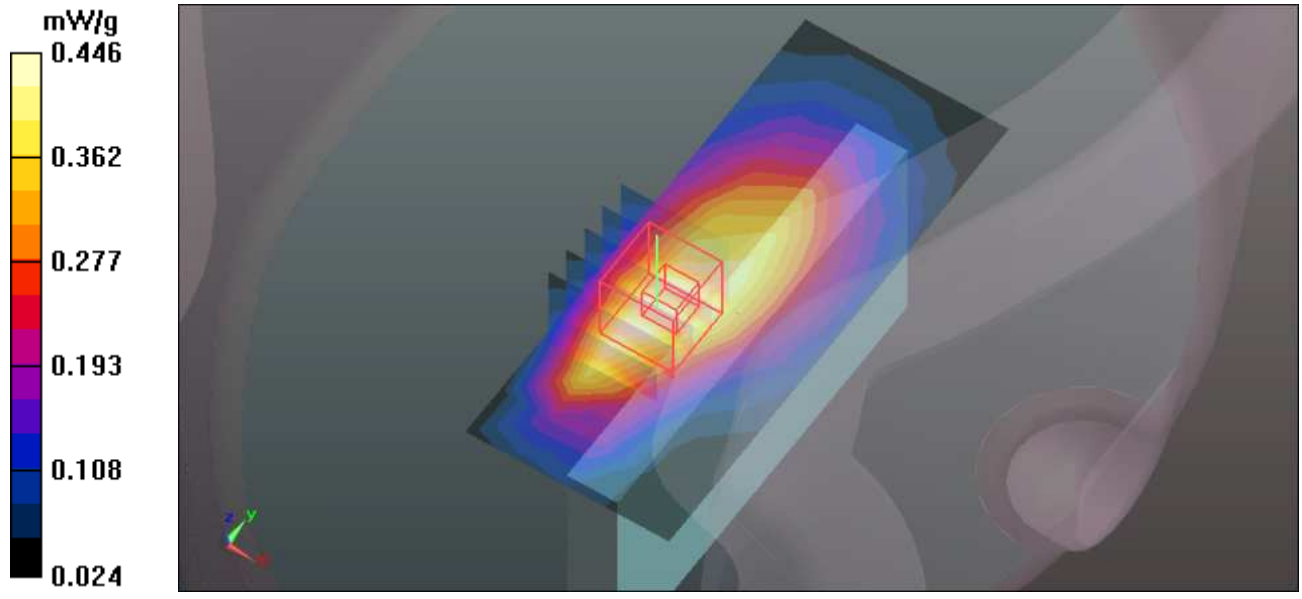
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm /Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.446 mW/g

Flat-Section MSL/Flat Section 10mm /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.941 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.608 W/kg
SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.259 mW/g
Maximum value of SAR (measured) = 0.497 mW/g



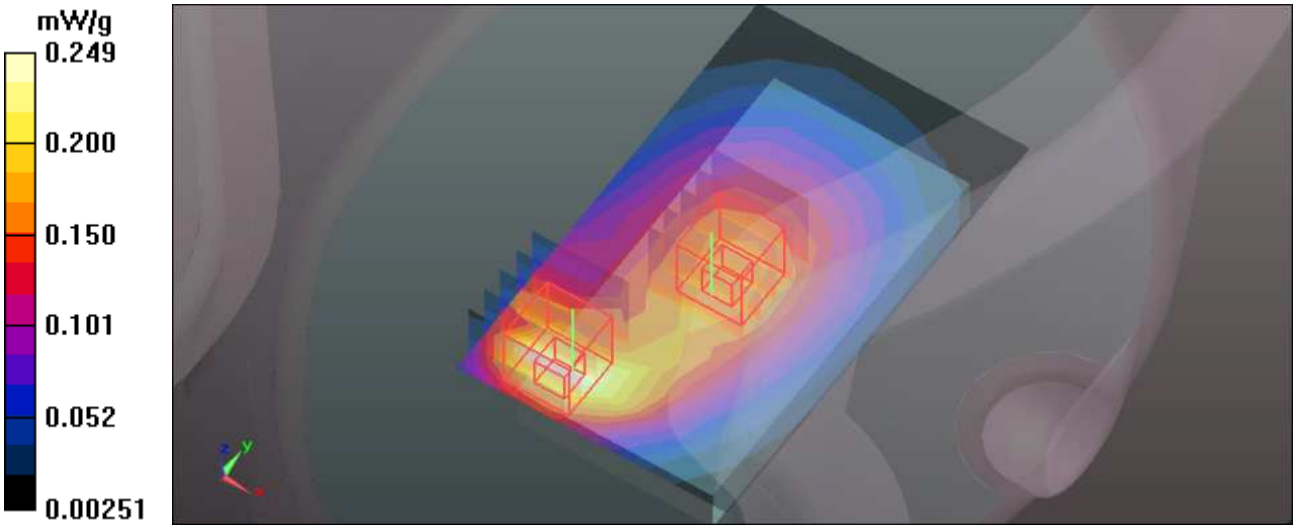
Date: 2011/7/6

P96_LTE750 50%RB_16QAM_Front Face_1cm_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 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(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.249 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.720 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.319 W/kg
SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.247 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.720 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.206 W/kg
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.111 mW/g
Maximum value of SAR (measured) = 0.184 mW/g



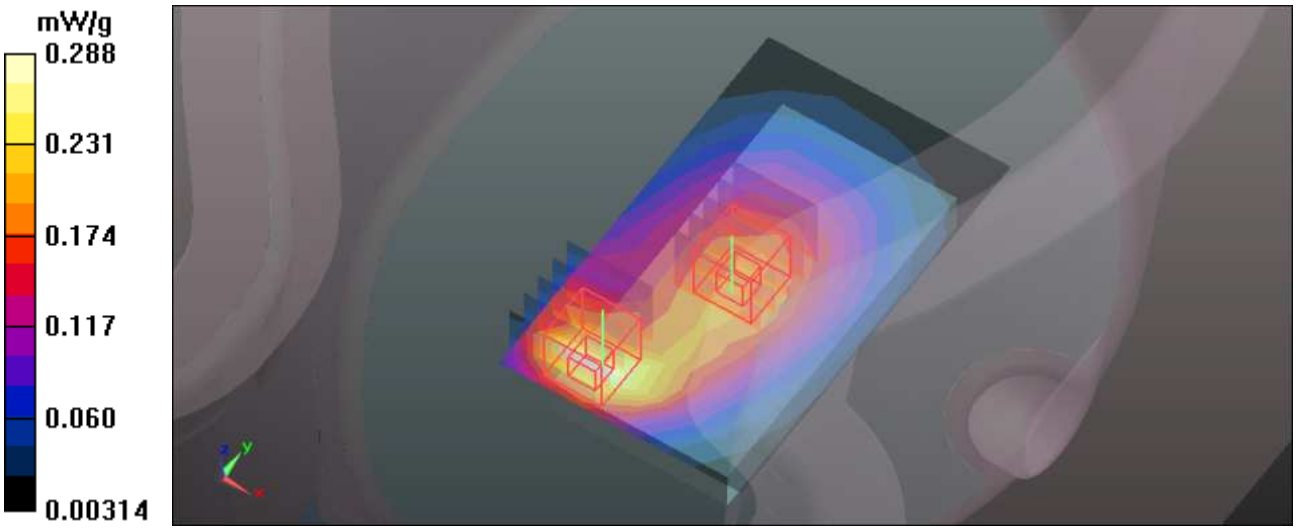
Date: 2011/7/6

P97_LTE750 1RB_Lowwer_16QAM_Front Face_1cm_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 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(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.288 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.898 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.362 W/kg
SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.280 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.898 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.209 mW/g



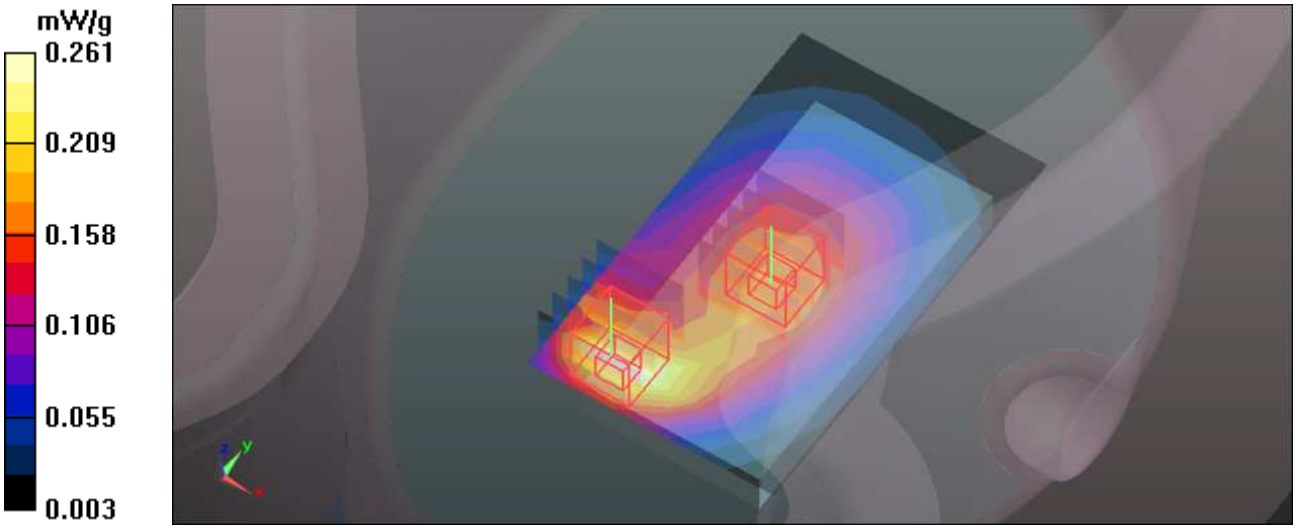
Date: 2011/7/6

P98_LTE750 1RB_Upper_16QAM_Front Face_1cm_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 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(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.261 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.212 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.325 W/kg
SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.124 mW/g
Maximum value of SAR (measured) = 0.254 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.212 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.212 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.187 mW/g



Date: 2011/7/6

P99_LTE750 50%RB_16QAM_Back Face_1cm_Ch23230_Standard 1

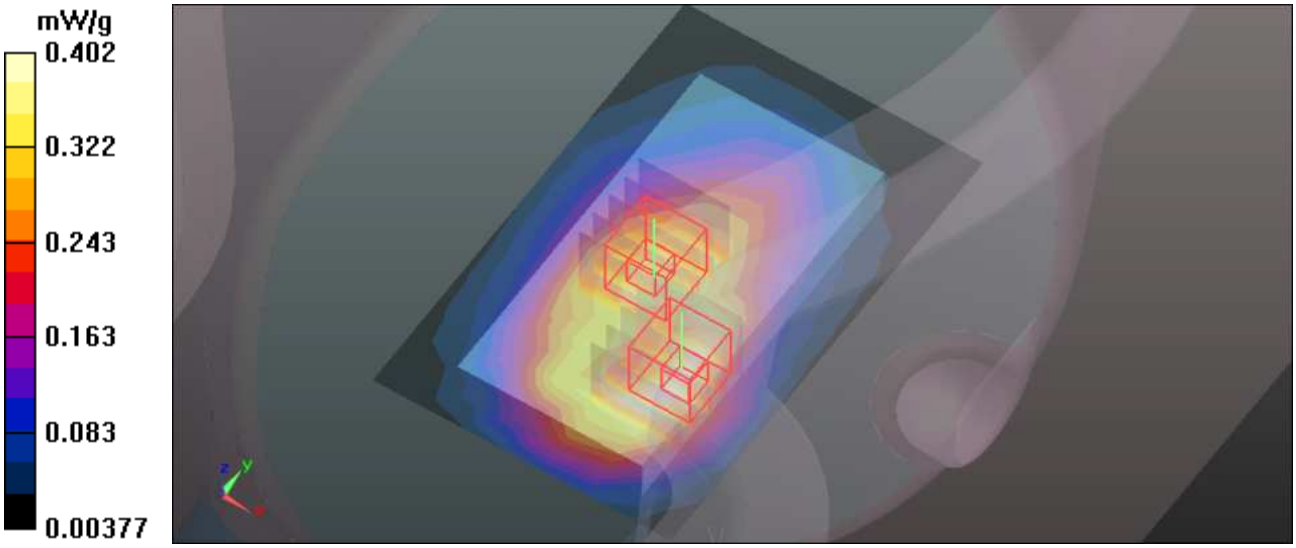
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.402 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.811 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.206 mW/g
Maximum value of SAR (measured) = 0.398 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.811 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.389 W/kg
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.344 mW/g



Date: 2011/7/6

P100_LTE750 1RB_Lowwer_16QAM_Back Face_1cm_Ch23230_Standard 1

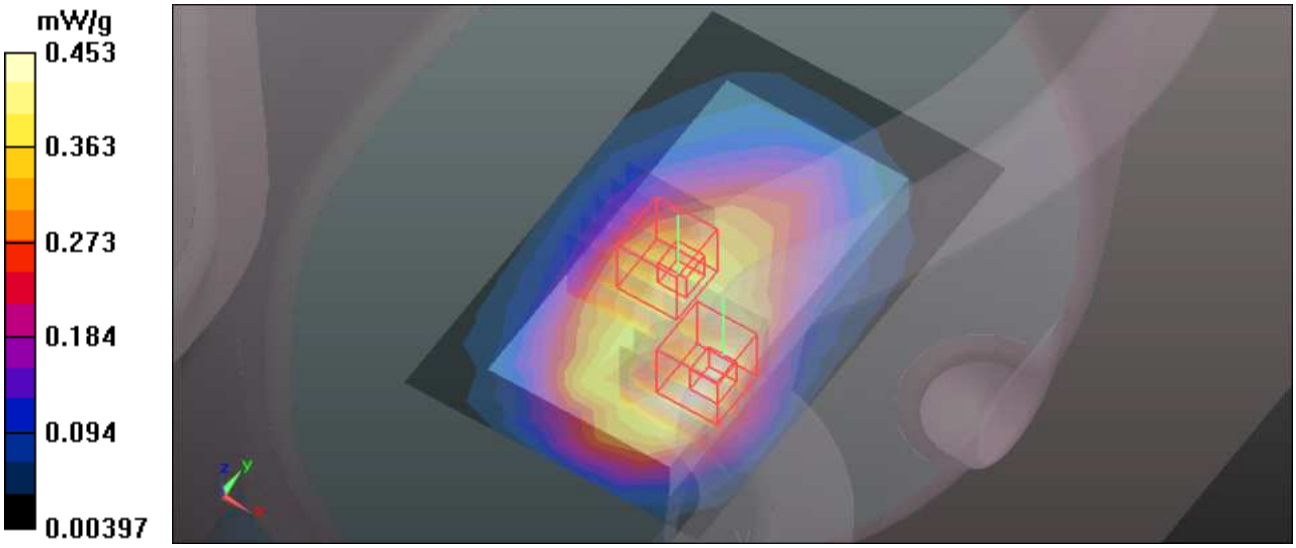
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.453 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.877 V/m; Power Drift = 0.163 dB
Peak SAR (extrapolated) = 0.546 W/kg
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.232 mW/g
Maximum value of SAR (measured) = 0.450 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.877 V/m; Power Drift = 0.163 dB
Peak SAR (extrapolated) = 0.438 W/kg
SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 0.396 mW/g



Date: 2011/7/6

P101_LTE750 1RB_Upper_16QAM_Back Face_1cm_Ch23230_Standard 1

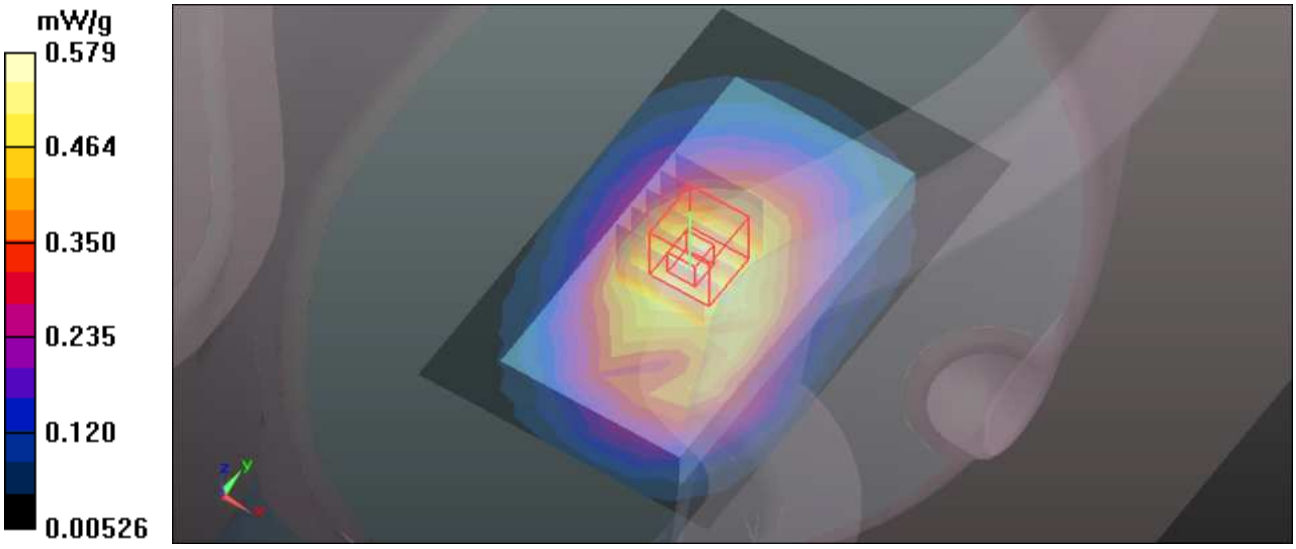
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The back face side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.579 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.003 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.356 mW/g
Maximum value of SAR (measured) = 0.566 mW/g



Date: 2011/7/6

P102_LTE750 50%RB_16QAM_Top edge side_1cm_Ch23230_Standard 1

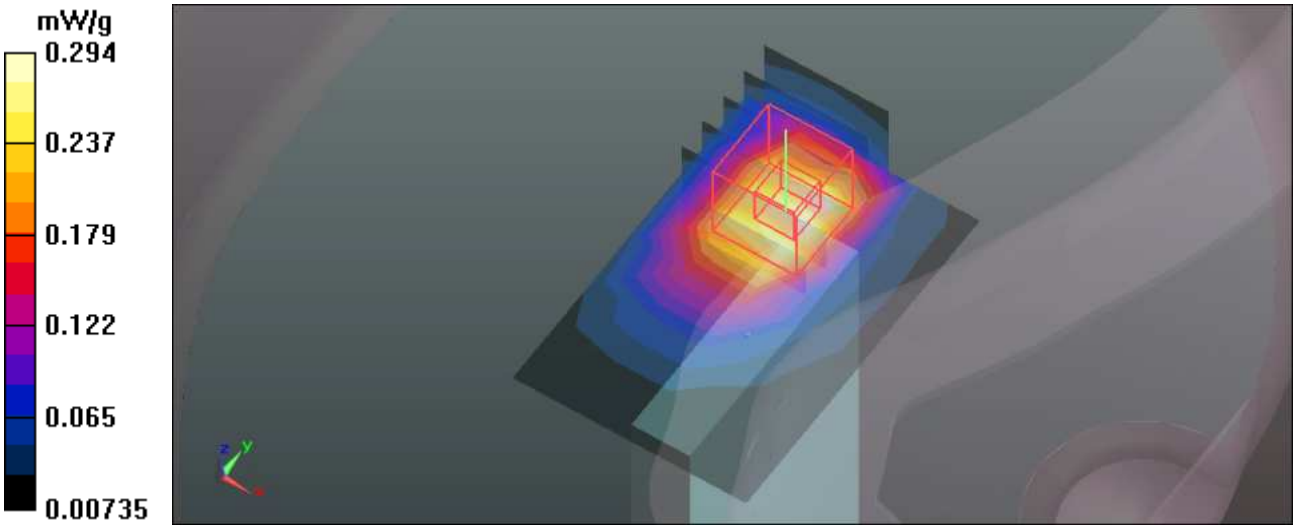
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The top edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.294 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.914 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.415 mW/g



Date: 2011/7/6

P103_LTE750 1RB_Lowwer_16QAM_Top edge side_1cm_Ch23230_Standard 1

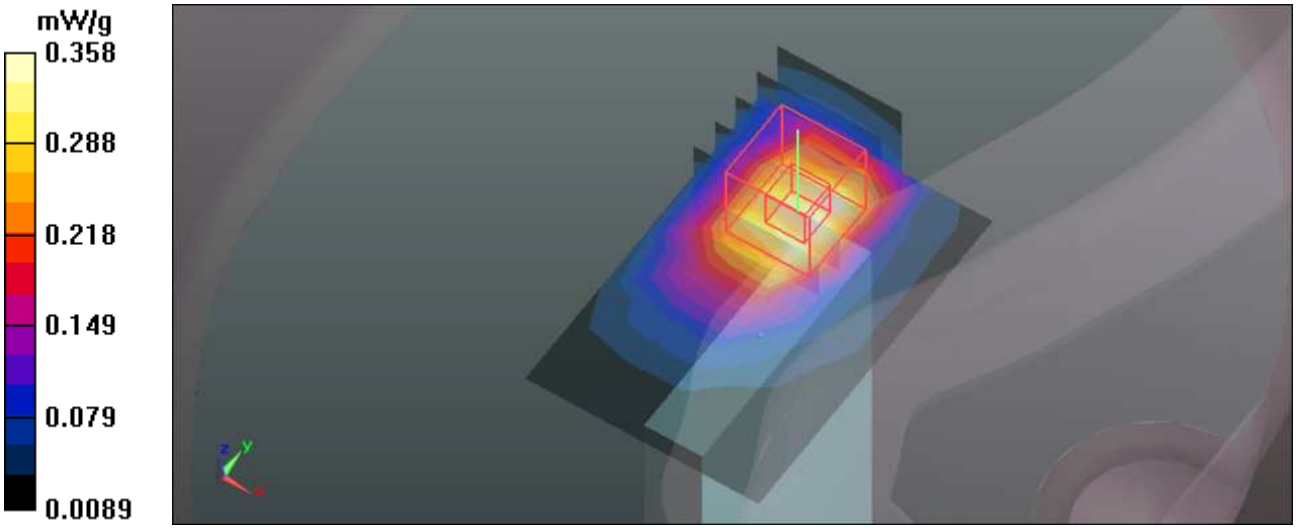
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The top edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.358 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.348 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.648 W/kg
SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 0.502 mW/g



Date: 2011/7/6

P104_LTE750 1RB_Upper_16QAM_Top edge side_1cm_Ch23230_Standard 1

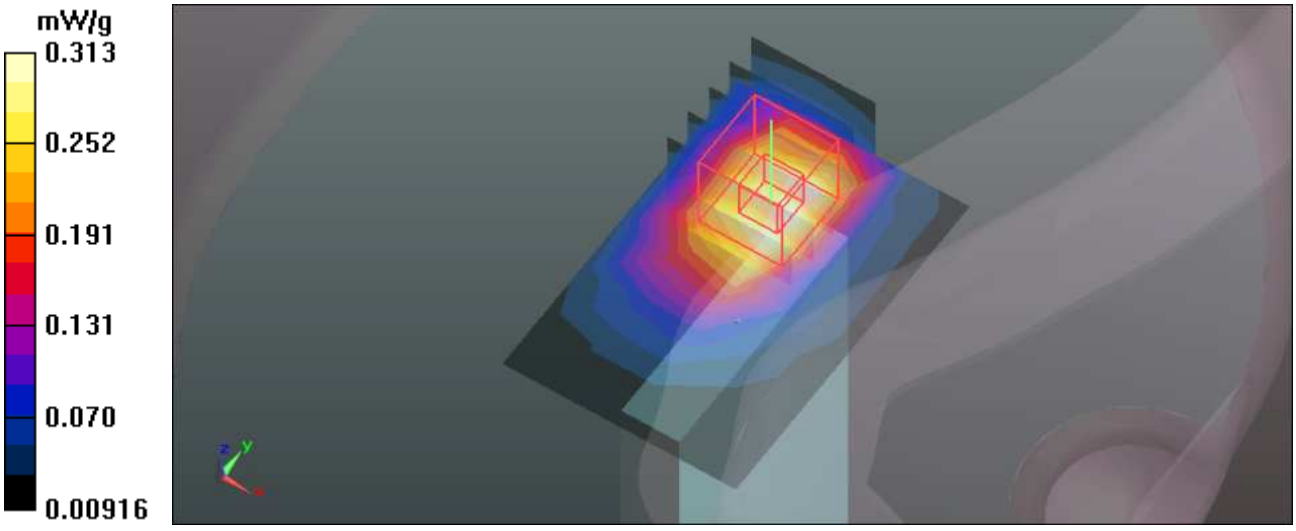
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The top edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.313 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.666 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.440 mW/g



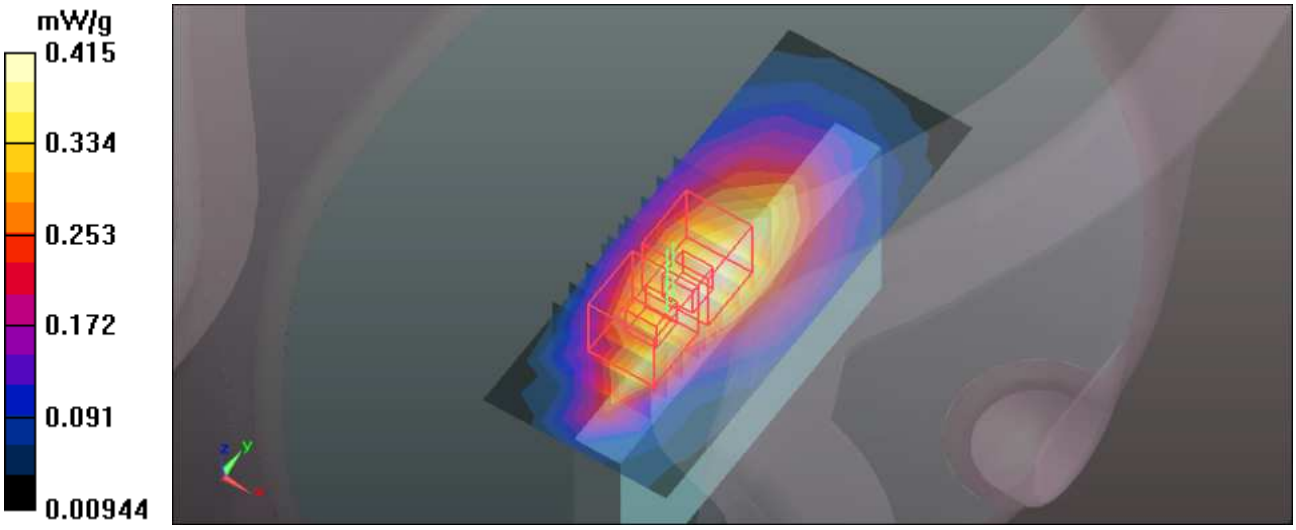
Date: 2011/7/6

P105_LTE750 50%RB_16QAM_Right side_1cm_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.415 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.163 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.528 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.440 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.163 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.203 mW/g
Maximum value of SAR (measured) = 0.424 mW/g



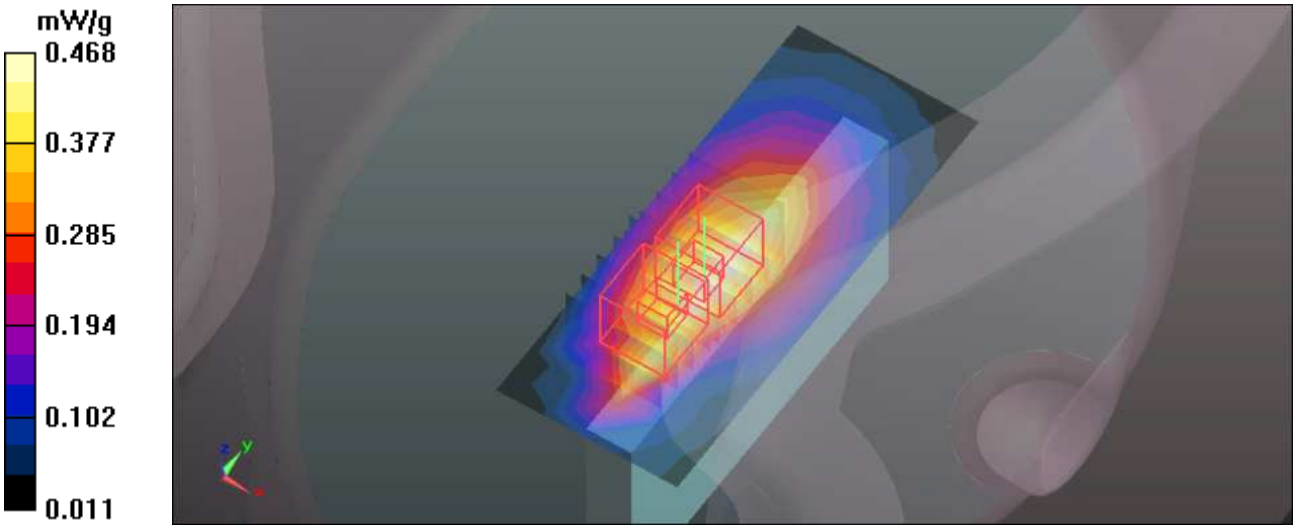
Date: 2011/7/6

P106_LTE750 1RB_Lowwer_16QAM_Right side_1cm_Ch23230_Standard 1

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.468 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.640 V/m; Power Drift = 0.0087 dB
Peak SAR (extrapolated) = 0.596 W/kg
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.269 mW/g
Maximum value of SAR (measured) = 0.502 mW/g
Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.640 V/m; Power Drift = 0.0087 dB
Peak SAR (extrapolated) = 0.583 W/kg
SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.233 mW/g
Maximum value of SAR (measured) = 0.496 mW/g



Date: 2011/7/6

P107_LTE750 1RB_Upper_16QAM_Right side_1cm_Ch23230_Standard 1

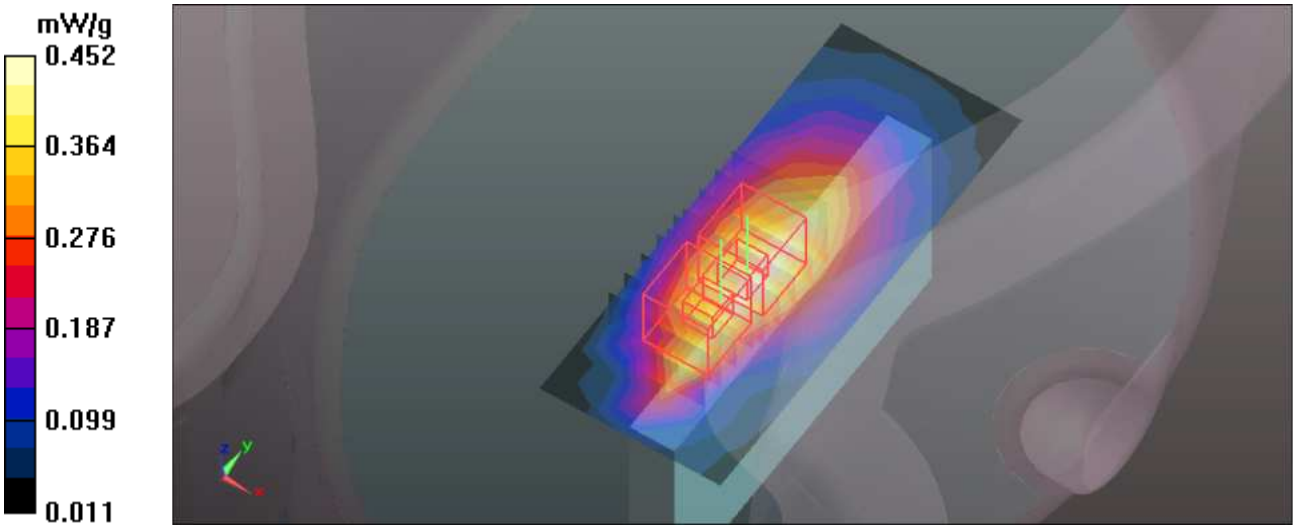
Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: 16QAM
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The right edge side of the EUT to the Phantom)
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.452 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.142 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.569 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.256 mW/g
Maximum value of SAR (measured) = 0.477 mW/g

Flat-Section MSL/Flat Section 10mm/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.142 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.543 W/kg
SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.219 mW/g
Maximum value of SAR (measured) = 0.459 mW/g



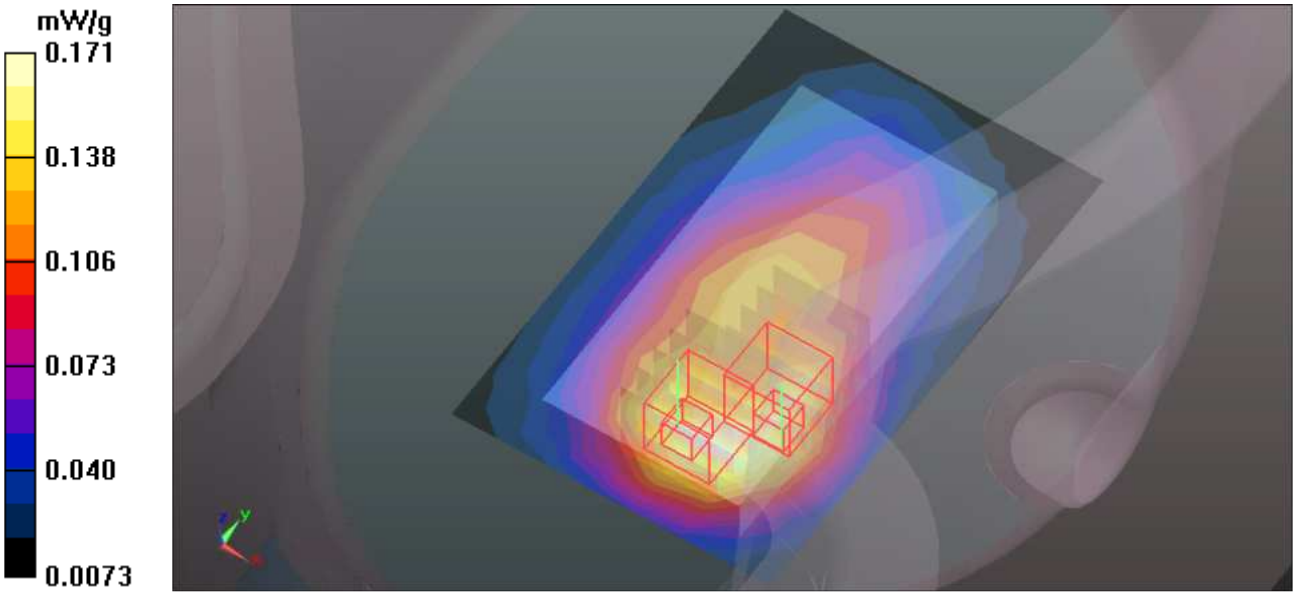
Date: 2011/7/6

P111_LTE750 1RB_Upper_16QAM_Back Face_1cm_Ch23230_Extended

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1 ; Modulation type: QPSK
Medium: MSL750 Medium parameters used : f = 782 MHz; σ = 0.99 mho/m; ε_r = 54.41; ρ = 1000 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(9.25, 9.25, 9.25); 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 (2); SEMCAD X Version 14.4.5 (3634)

Flat-Section MSL/Flat Section 10mm /Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.171 mW/g
Flat-Section MSL/Flat Section 10mm /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.633 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.206 W/kg
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.173 mW/g
Flat-Section MSL/Flat Section 10mm /Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.633 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.187 W/kg
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.158 mW/g



Date: 2011/8/9

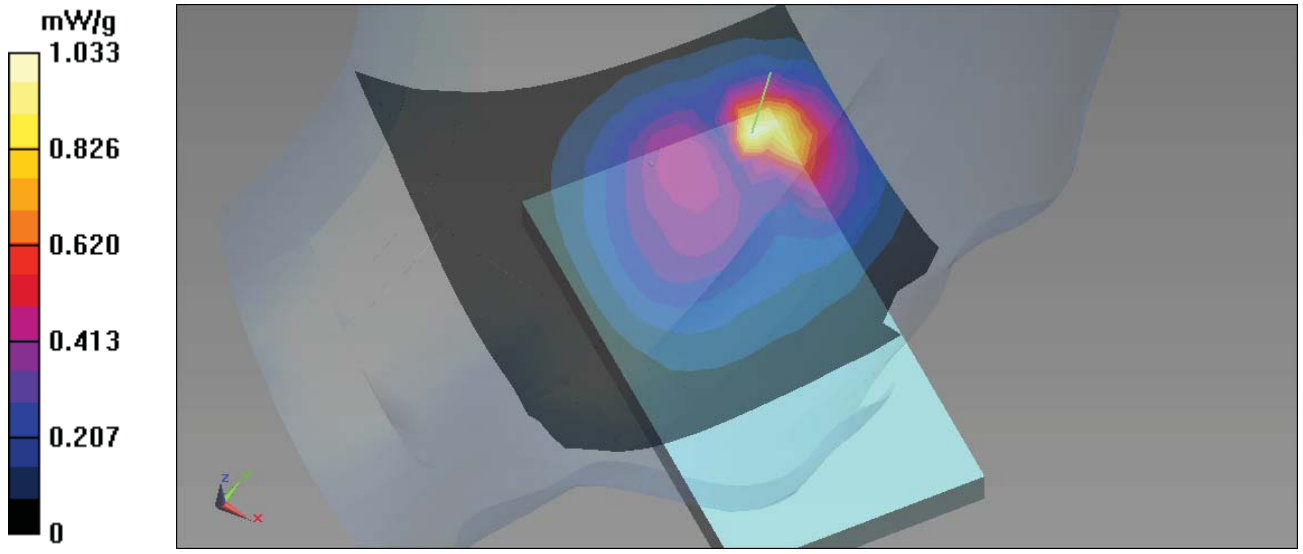
M171-Left Head-Cheek-LTE750_1RB Lowwer -Ch23230

Communication System: LTE ; Frequency: 782 MHz ; Duty Cycle: 1:1
Medium: HSL750 Medium parameters used : f = 782 MHz; σ = 0.88 mho/m; ε_r = 42.89; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: QPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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 1RB Lowwer QPSK/Volume Scan (16x16x7):
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.513 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.405 W/kg
SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.374 mW/g
Total Absorbed Power = 0.0320894 W
Maximum value of SAR (measured) = 1.033 mW/g



Date: 2011/8/8

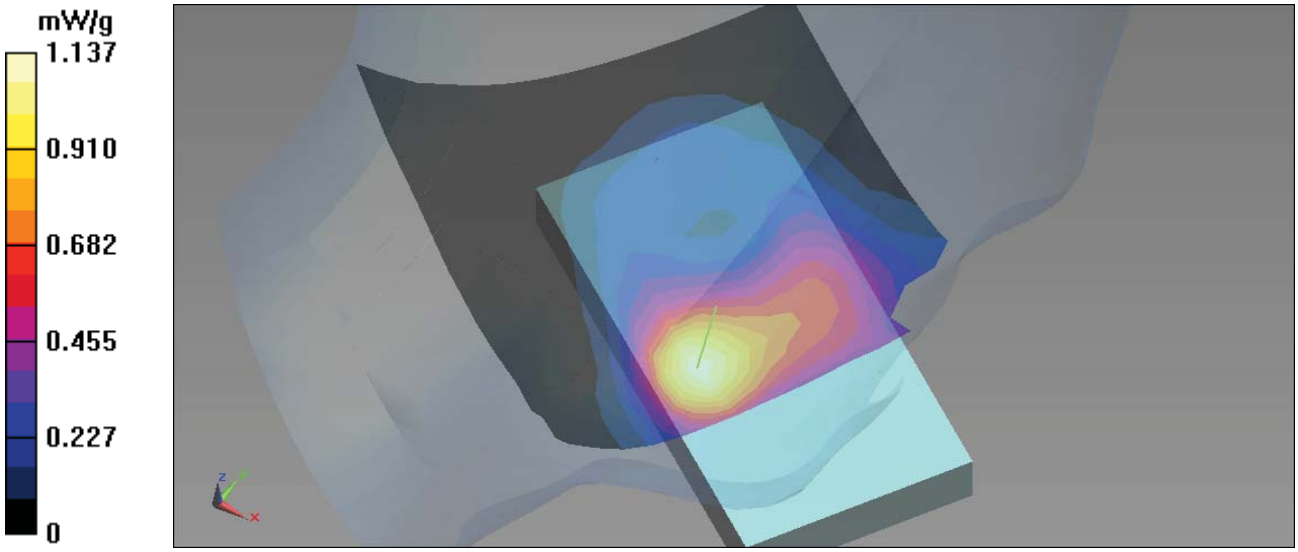
M173-Left Head-Cheek-CDMA1900-Ch600

Communication System: CDMA ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 41.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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/Volume Scan (16x16x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.351 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.388 W/kg
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.556 mW/g
Total Absorbed Power = 0.0500885 W
Maximum value of SAR (measured) = 1.137 mW/g



Date: 2011/8/9

M174-Left Head-Cheek-11b-Ch6

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2437 MHz; σ = 1.71 mho/m; ε_r = 41.05; ρ = 1000 kg/m^3
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/Volume Scan (16x16x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

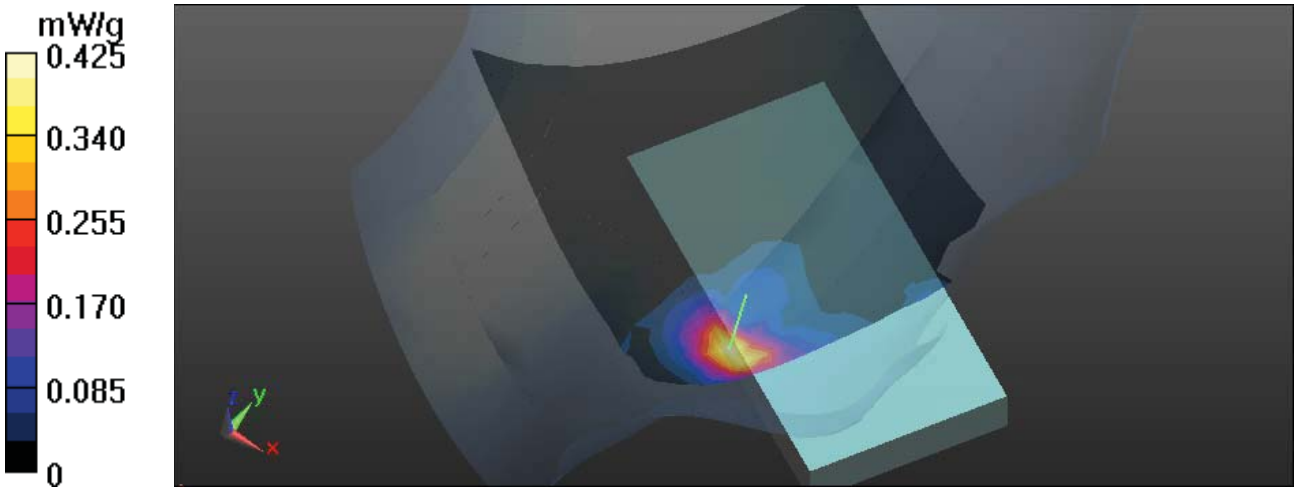
Reference Value = 1.550 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.129 mW/g

Total Absorbed Power = 0.00378032 W

Maximum value of SAR (measured) = 0.425 mW/g



Co-located-Left Cheek-LTE QPSK_CDMA BC1_11b

Date: 2011/8/8
DUT: Bar SmartPhone; Type: PH98100
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used : f = 782 MHz; σ = 0.88 mho/m; ε_r = 42.89; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3650; ConvF(9.46, 9.46, 9.46); 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)

DASY Configuration for Left-Hand-Side HSL/Touch Position - Mid/Volume Scan:

Date: 2011/8/8
DUT: Mobile Phone; Type: H98
Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 41.12; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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)

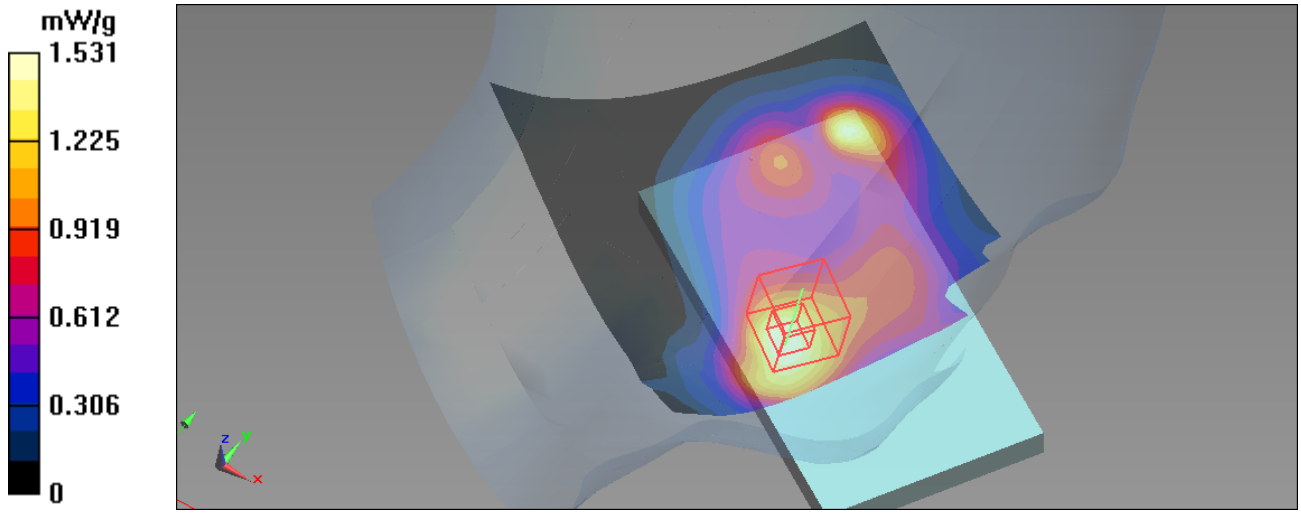
DASY Configuration for Left-Hand-Side HSL/Touch Position - Mid/Volume Scan:

Date: 2011/8/9
DUT: Mobile Phone; Type: H98
Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2437 MHz; σ = 1.71 mho/m; ε_r = 41.05; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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)

Multi Band Result:
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.645 mW/g
Maximum value of SAR (interpolated) = 1.531 mW/g



Date: 2011/8/8

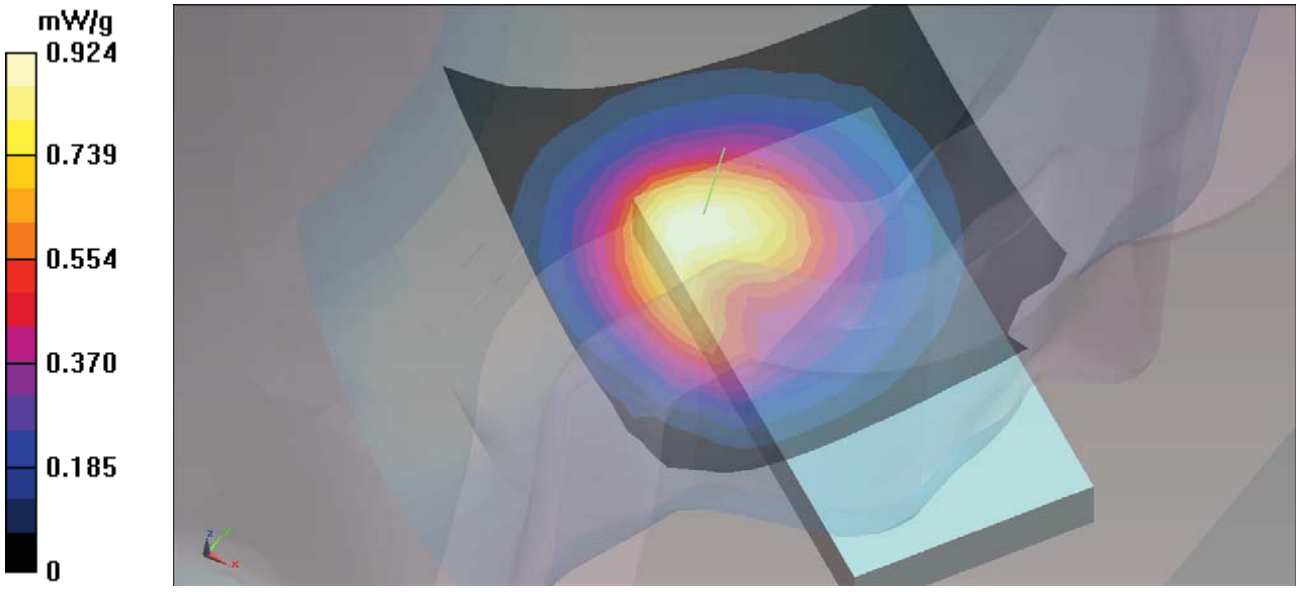
M172-Left Head-Cheek-EVDO850-Ch777

Communication System: EVDO ; Frequency: 848.3 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 848.3 MHz; σ = 0.92 mho/m; ε_r = 42.44; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: HPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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 - High/Volume Scan (16x16x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.231 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.137 W/kg
SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.483 mW/g
Total Absorbed Power = 0.0537626 W
Maximum value of SAR (measured) = 0.924 mW/g



Date: 2011/8/8

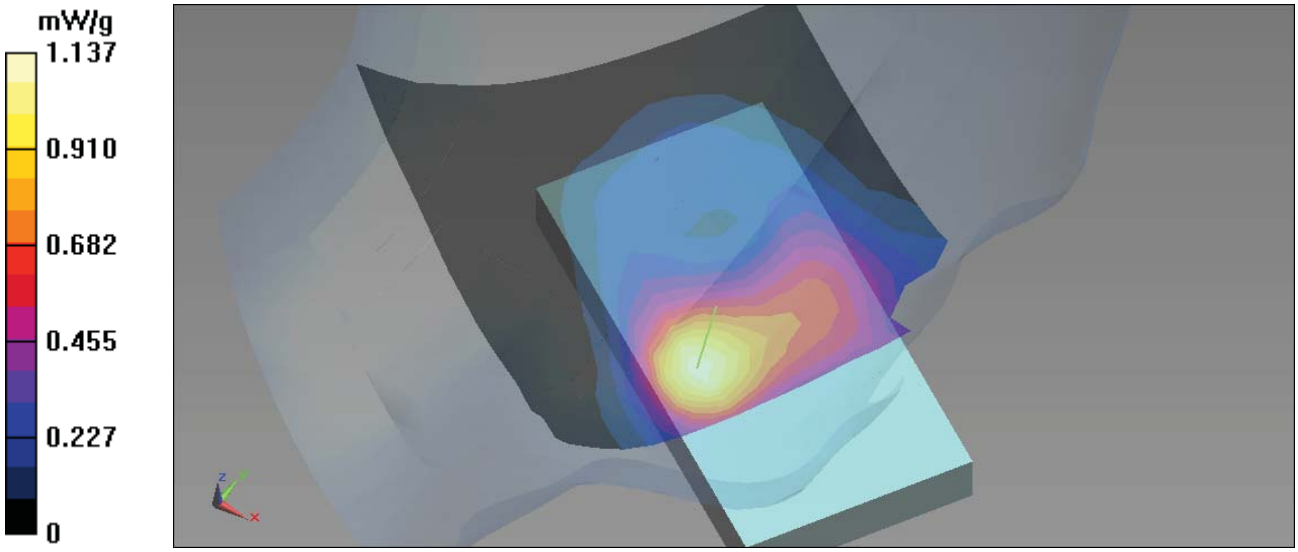
M173-Left Head-Cheek-CDMA1900-Ch600

Communication System: CDMA ; Frequency: 1880 MHz ; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 41.12; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: OQPSK

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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/Volume Scan (16x16x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.351 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.388 W/kg
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.556 mW/g
Total Absorbed Power = 0.0500885 W
Maximum value of SAR (measured) = 1.137 mW/g



Date: 2011/8/9

M174-Left Head-Cheek-11b-Ch6

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2437 MHz; σ = 1.71 mho/m; ε_r = 41.05; ρ = 1000 kg/m^3
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/Volume Scan (16x16x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

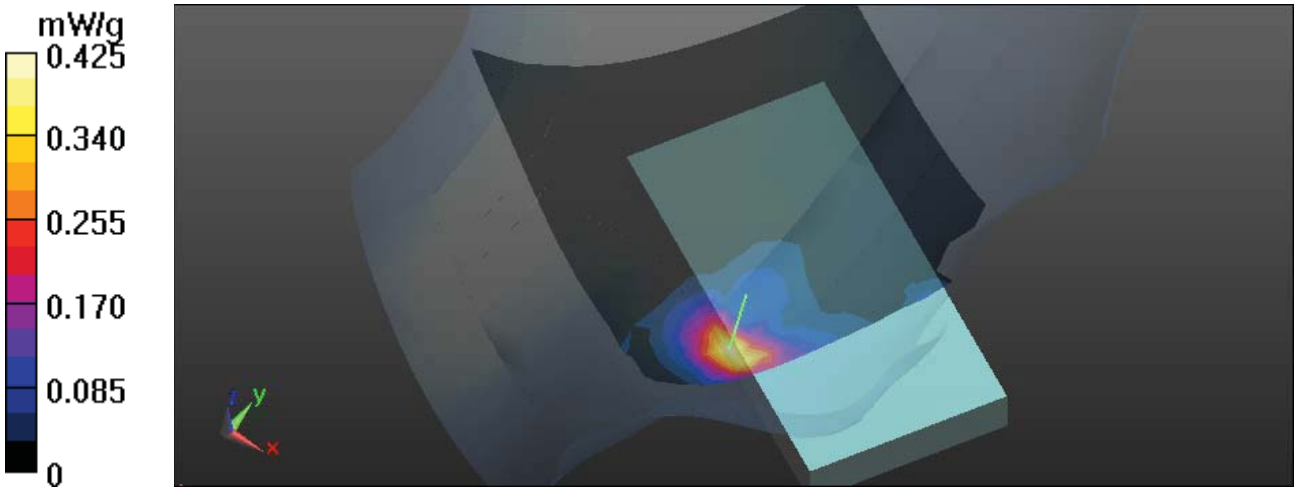
Reference Value = 1.550 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.129 mW/g

Total Absorbed Power = 0.00378032 W

Maximum value of SAR (measured) = 0.425 mW/g



Co-located-Left Cheek-EVDO BC0_CDMA BC1_11b

Date: 2011/8/8
DUT: Bar SmartPhone; Type: PH98100;
Communication System: EVDO; Frequency: 848.3 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 848.3 MHz; σ = 0.92 mho/m; ε_r = 42.44; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3650; ConvF(8.95, 8.95, 8.95); 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)

DASY Configuration for Left-Hand-Side HSL/Touch Position - Mid/Volume Scan:

Date: 2011/8/8
DUT: Mobile Phone; Type: H98
Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 41.12; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3632; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/1/19
- 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)

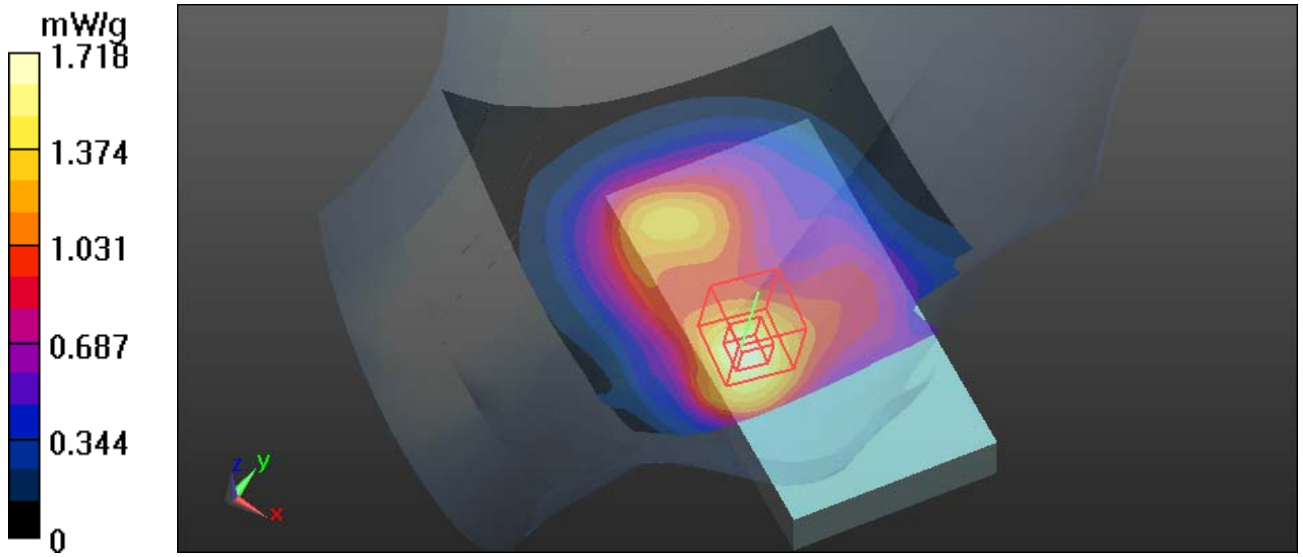
DASY Configuration for Left-Hand-Side HSL/Touch Position - Mid/Volume Scan:

Date: 2011/8/9
DUT: Mobile Phone; Type: H98
Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2437 MHz; σ = 1.71 mho/m; ε_r = 41.05; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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)

Multi Band Result:
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.729 mW/g
Maximum value of SAR (interpolated) = 1.718 mW/g



Date:2011/8/8

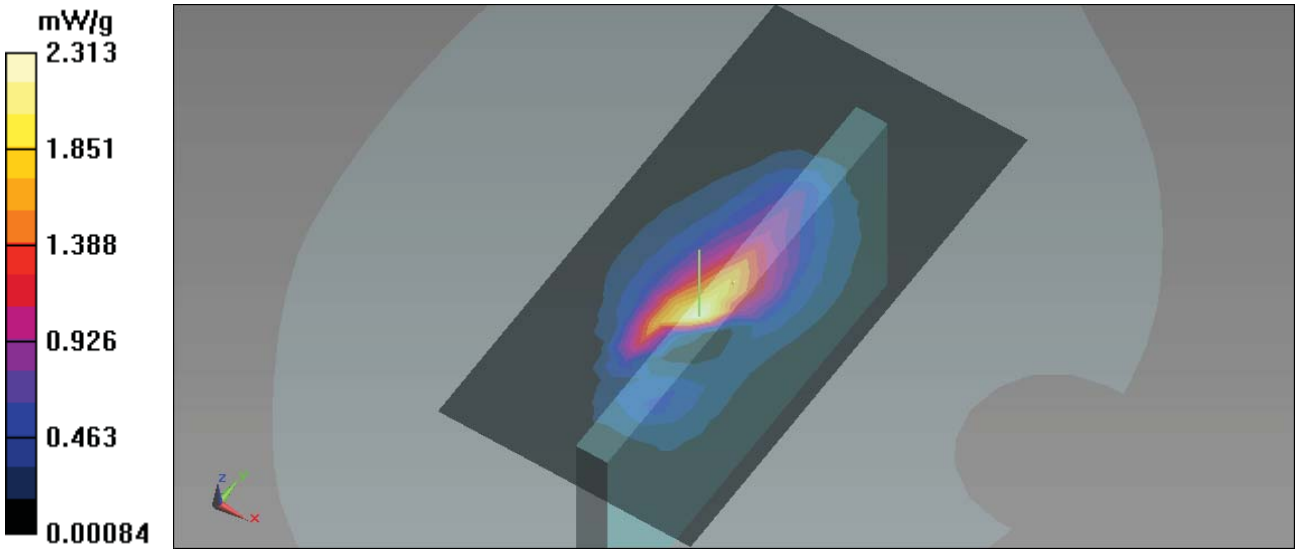
M179-Body-Left-EVDO850-Ch777

Communication System: CDMA ; Frequency: 848.3 MHz ; Duty Cycle: 1:1 ; Modulation type: HPSK
Medium: MSL850 Medium parameters used:f = 848.3 MHz; σ = 1.02 mho/m; ε_r = 56.01; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 High/Volume Scan (11x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 39.601 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 3.909 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.622 mW/g
Total Absorbed Power = 0.0388093 W
Maximum value of SAR (measured) = 2.313 mW/g



Date: 2011/8/8

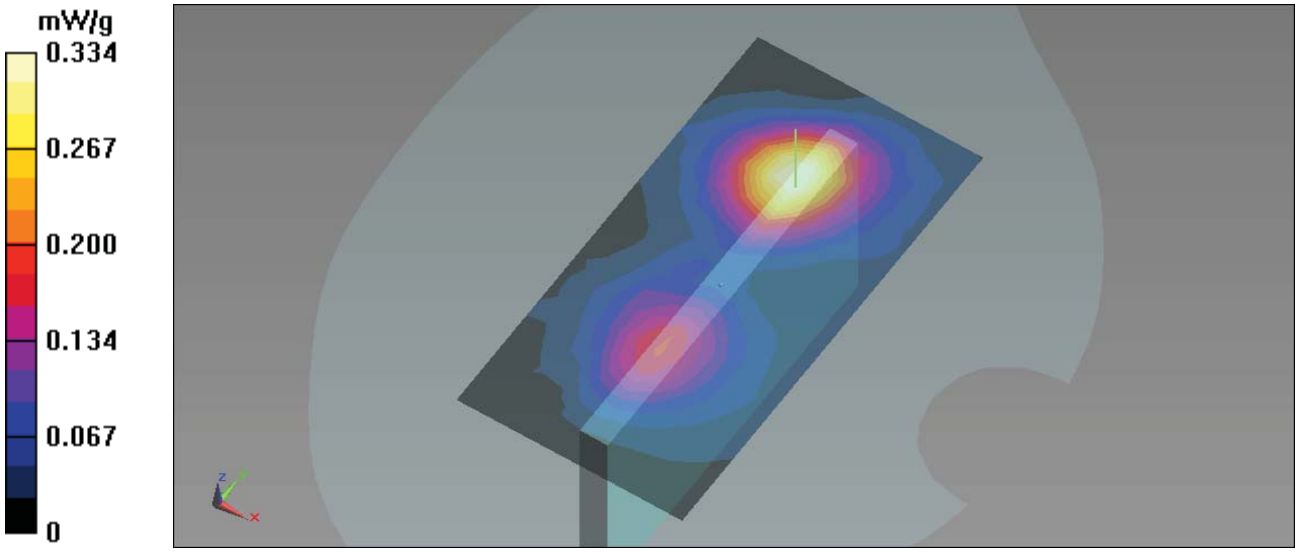
M180-Body-Left-CDMA1900-Ch600

Communication System: CDMA ; Frequency: 1880 MHz ; Duty Cycle: 1:1 ; Modulation type:OQPSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.49 mho/m; ε_r = 54.29; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The left edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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/Volume Scan (11x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.995 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 0.422 W/kg
SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.153 mW/g
Total Absorbed Power = 0.0121003 W
Maximum value of SAR (measured) = 0.334 mW/g



Date: 2011/8/9

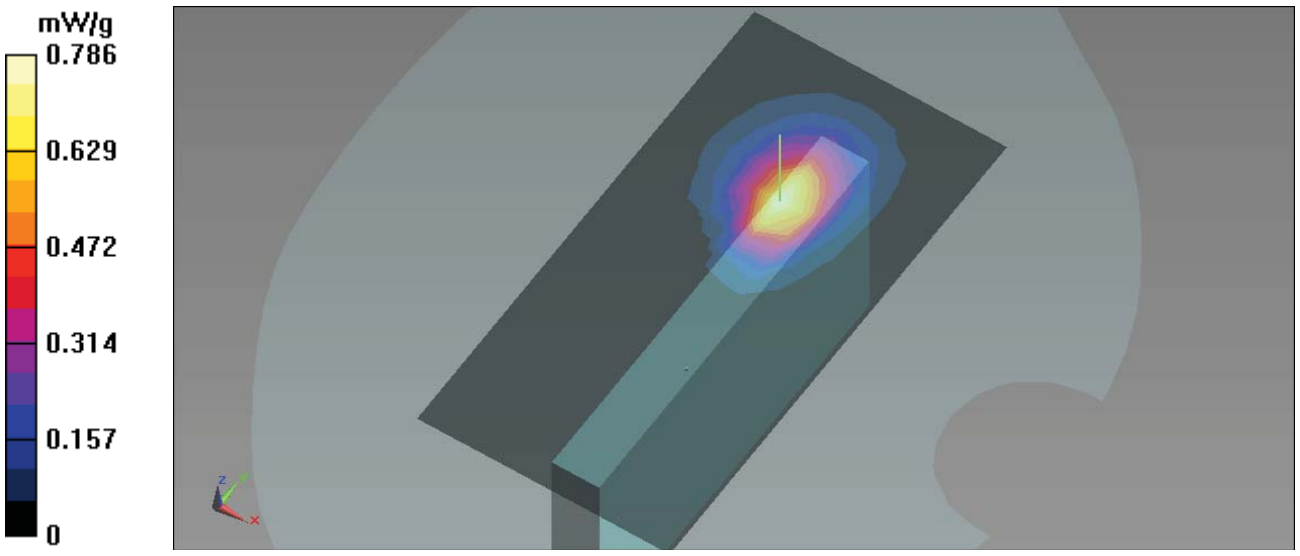
M181-Body-Left-11b-Ch6

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.84 mho/m; ε_r = 53.85; ρ = 1000 kg/m^3
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/Volume Scan (11x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.460 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.070 W/kg
SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.242 mW/g
Total Absorbed Power = 0.00737736 W
Maximum value of SAR (measured) = 0.786 mW/g



Co-located-Left edge-EVDO BC0_CDMA BC1_11b

Date: 2011/8/8
DUT: Bar SmartPhone; Type: PH98100
Communication System: EVDO; Frequency: 848.3 MHz; Duty Cycle: 1:1
Medium: MSL835 Medium parameters used: f = 848.3 MHz; σ = 1.02 mho/m; ε_r = 56.01; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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)

DASY Configuration for Flat-Section MSL/Flat Section 10mm Mid/Volume Scan:

Date: 2011/8/8
DUT: Bar SmartPhone; Type: PH98100;
Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.49 mho/m; ε_r = 54.29; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3632; ConvF(7.39, 7.39, 7.39); Calibrated: 2011/1/19
- 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)

DASY Configuration for Flat-Section MSL/Flat Section 10mm Mid/Volume Scan:

Date: 2011/8/9
DUT: Mobile Phone; Type: H98
Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.84 mho/m; ε_r = 53.85; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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)

Multi Band Result:
SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.677 mW/g
Maximum value of SAR (interpolated) = 3.689 mW/g