Appendix B. SAR Plots of SAR Measurement

The plots for SAR measurement are shown as follows.

P03 GSM850_GPRS11_Right Cheek_Ch128

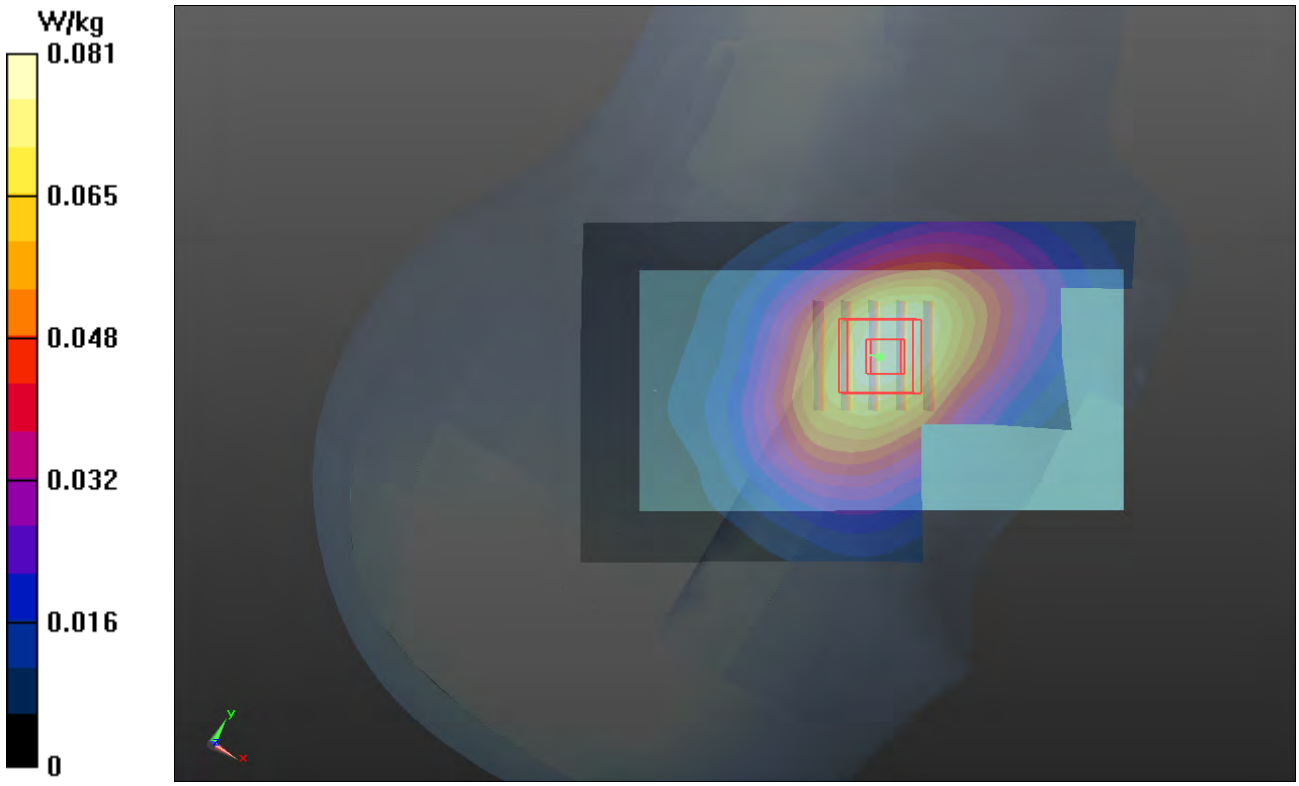
DUT: 120621C20

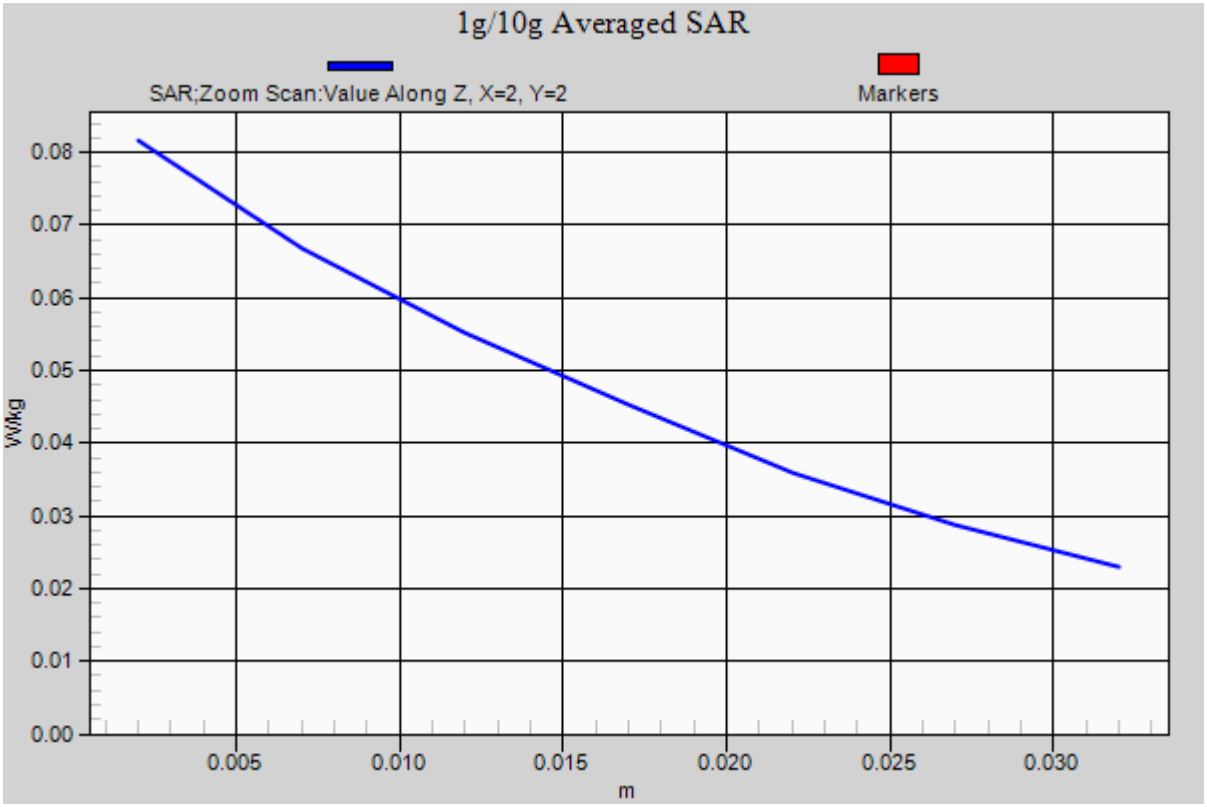
Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: H835_0816 Medium parameters used: f = 824.2 MHz; σ = 0.902 mho/m; ε_r = 42.657; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0807 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.480 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.089 mW/g
SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.055 mW/g
Maximum value of SAR (measured) = 0.0816 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
W/kg
0.005
0.010
0.015
0.020
0.025
0.030
m

P04 GSM850_GPRS11_Right Tilted_Ch128

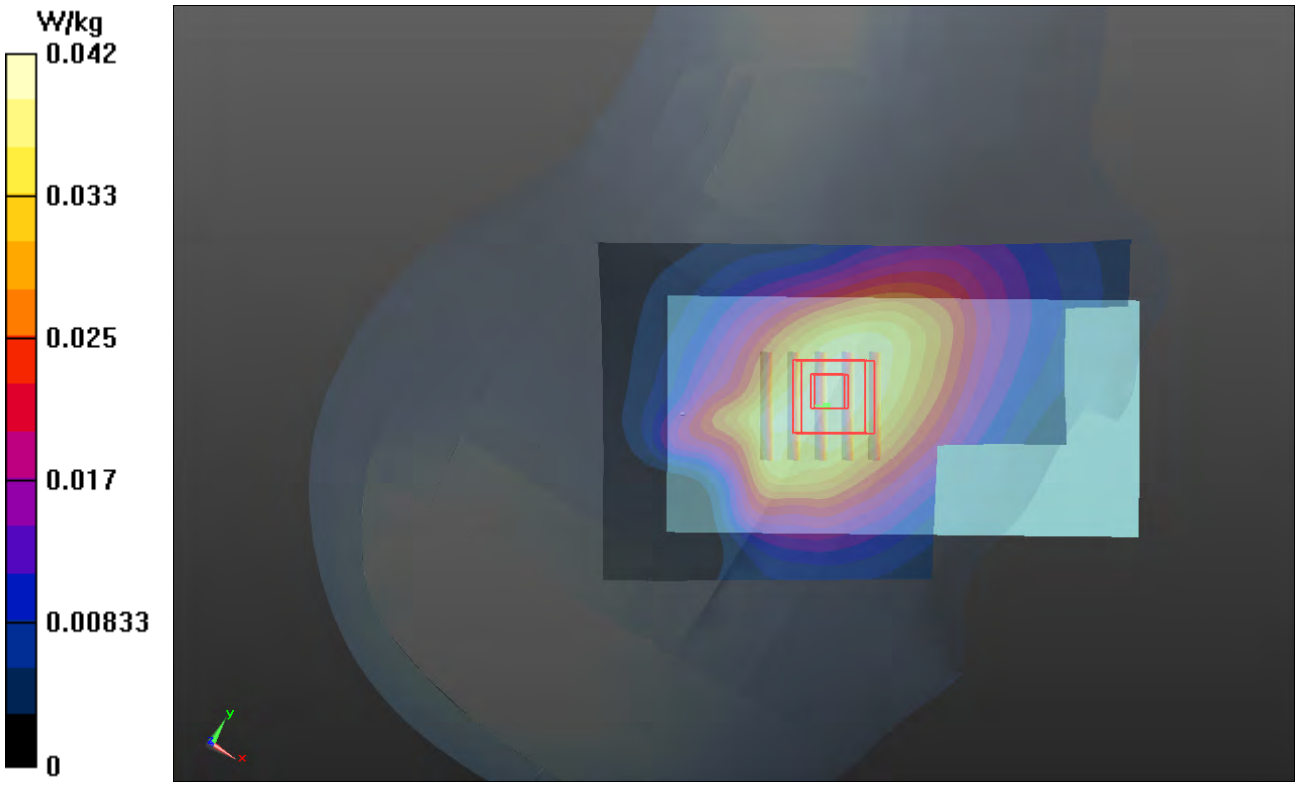
DUT: 120621C20

Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: H835_0816 Medium parameters used: f = 824.2 MHz; σ = 0.902 mho/m; ε_r = 42.657; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0417 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.956 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.044 mW/g
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.0400 W/kg



P05 GSM850_GPRS11_Left Cheek_Ch128

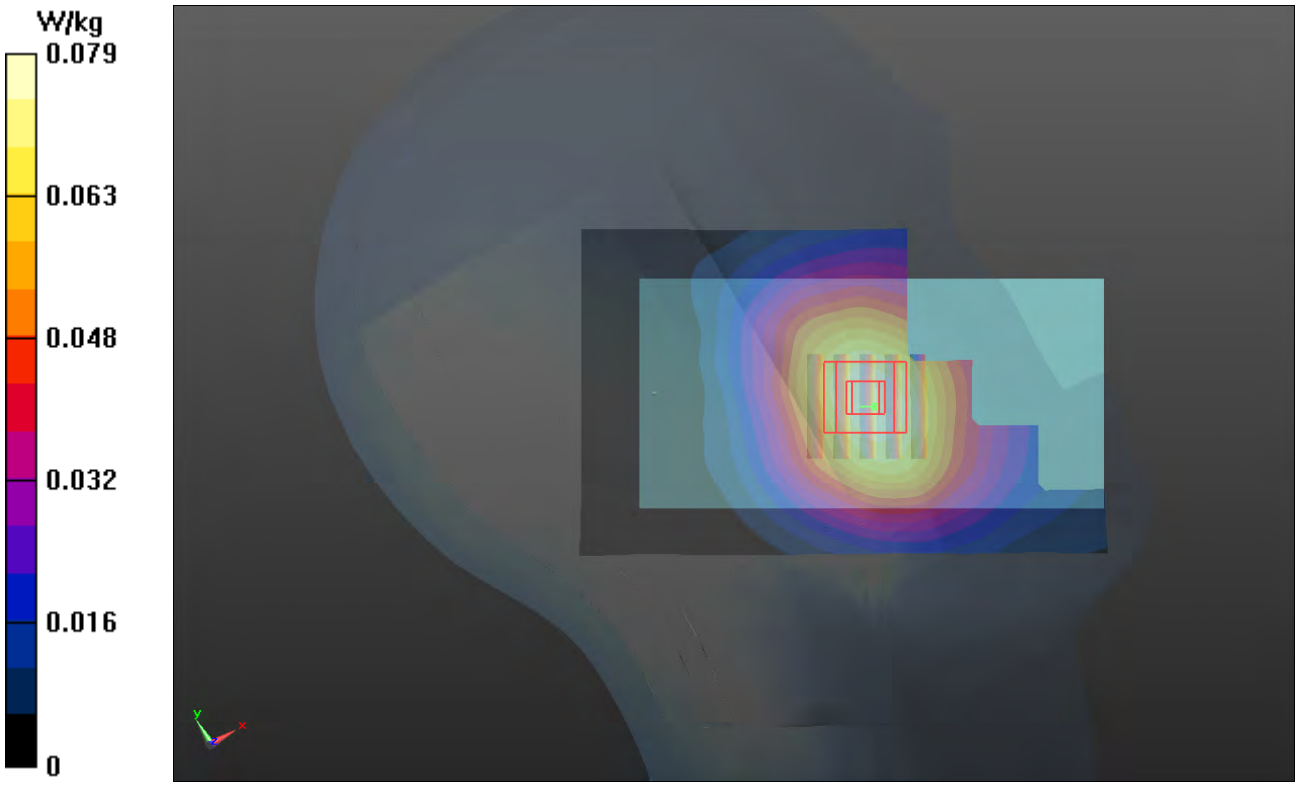
DUT: 120621C20

Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: H835_0816 Medium parameters used: f = 824.2 MHz; σ = 0.902 mho/m; ε_r = 42.657; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0792 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.802 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.088 mW/g
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.055 mW/g
Maximum value of SAR (measured) = 0.0797 W/kg



P06 GSM850_GPRS11_Left Tilted_Ch128

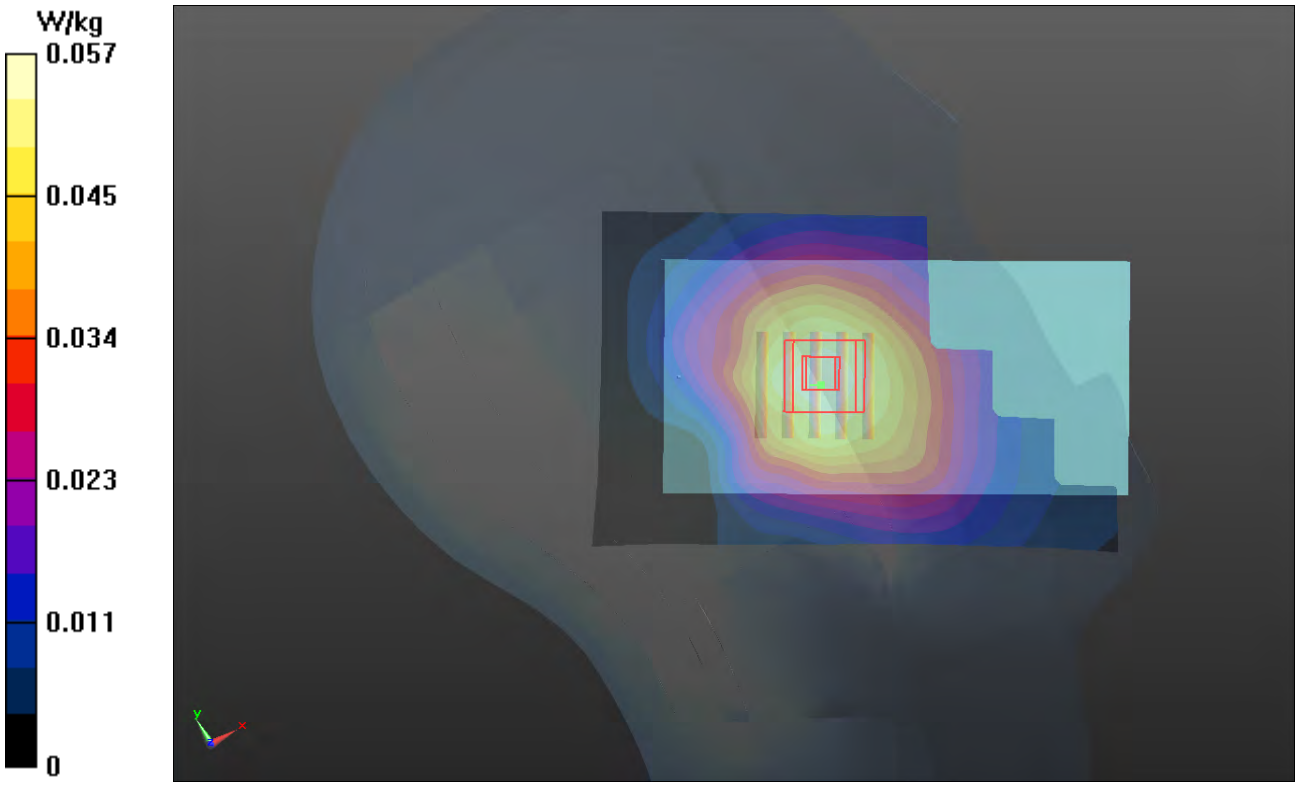
DUT: 120621C20

Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: H835_0816 Medium parameters used: f = 824.2 MHz; σ = 0.902 mho/m; ε_r = 42.657; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0569 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.437 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.059 mW/g
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.0534 W/kg



P09 GSM1900_GPRS11_Right Cheek_Ch661

DUT: 120621C20

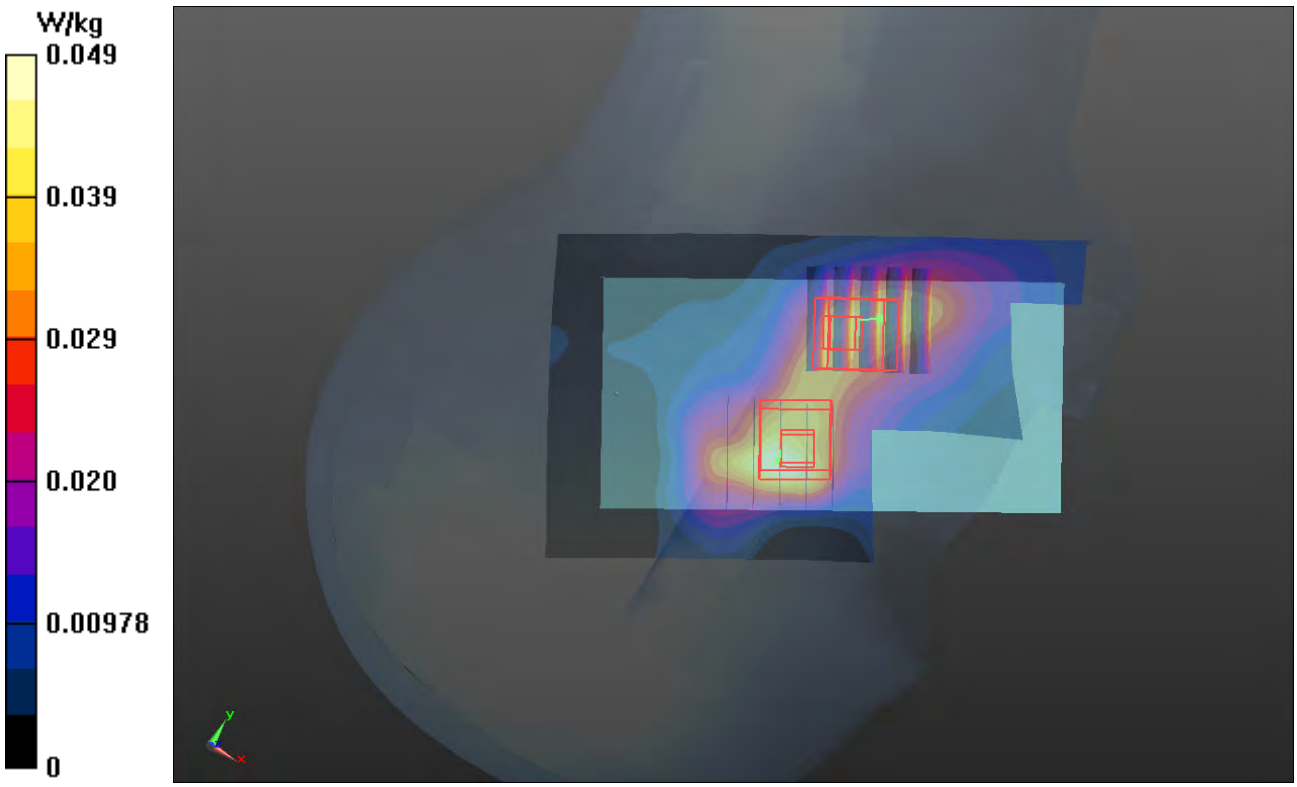
Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: H1900_0816 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.818; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0489 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.130 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.054 mW/g
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.0440 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.130 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.043 mW/g
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.0358 W/kg



P10 GSM1900_GPRS11_Right Tilted_Ch661

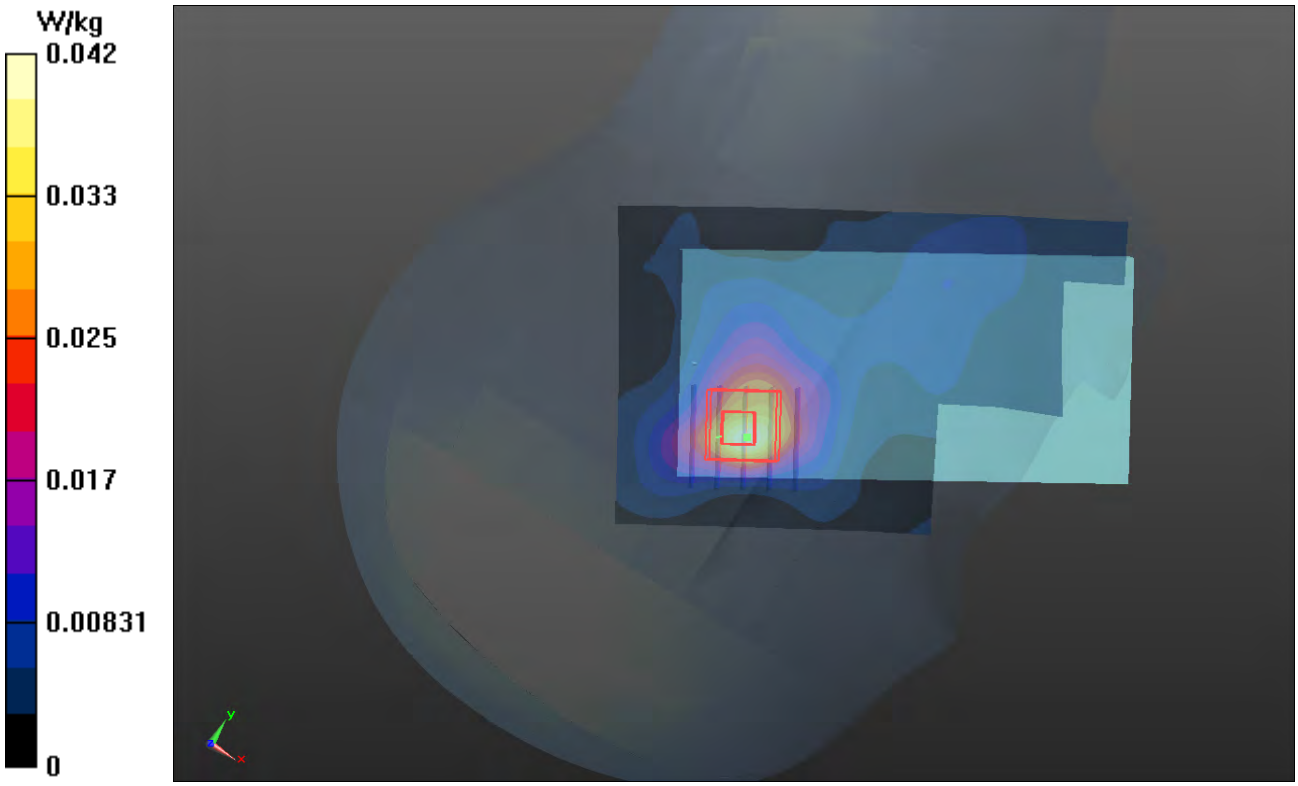
DUT: 120621C20

Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: H1900_0816 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.818; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0415 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.558 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.046 mW/g
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.0364 W/kg



P11 GSM1900_GPRS11_Left Cheek_Ch661

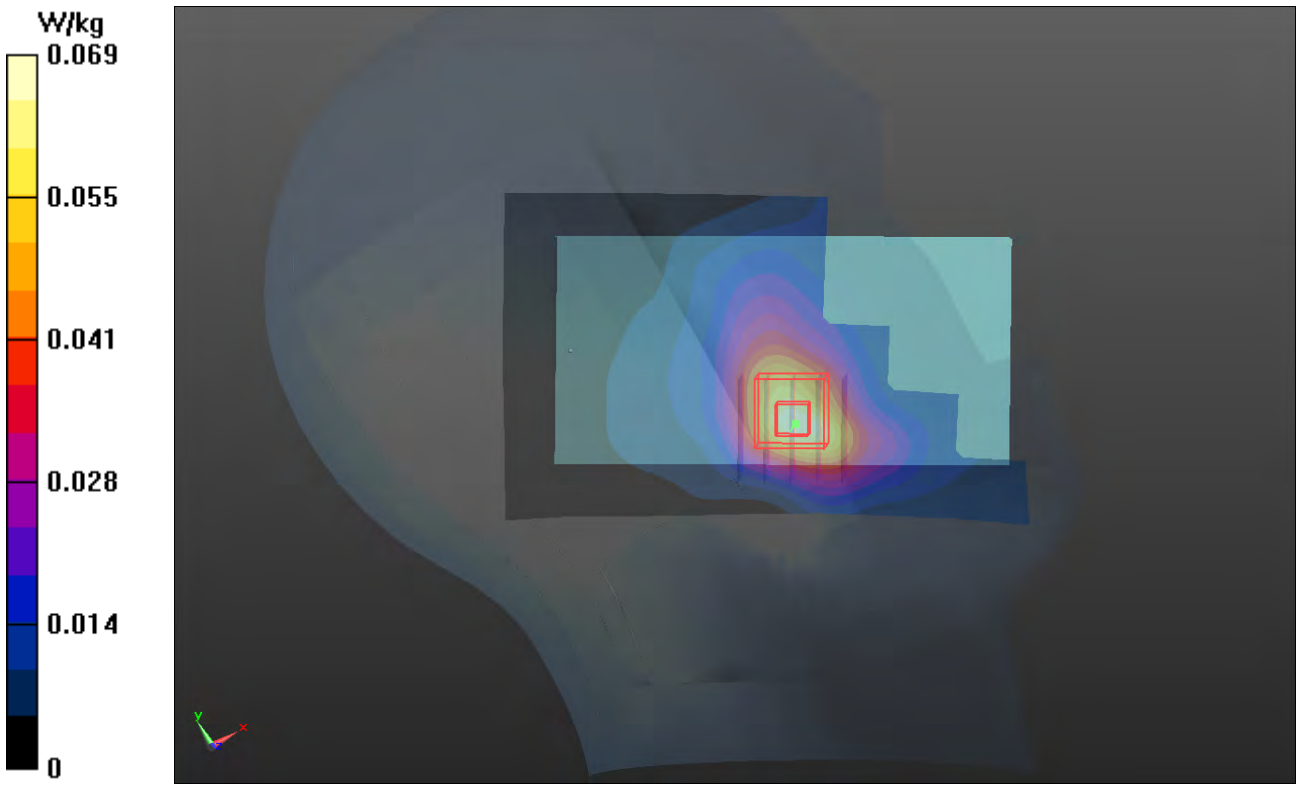
DUT: 120621C20

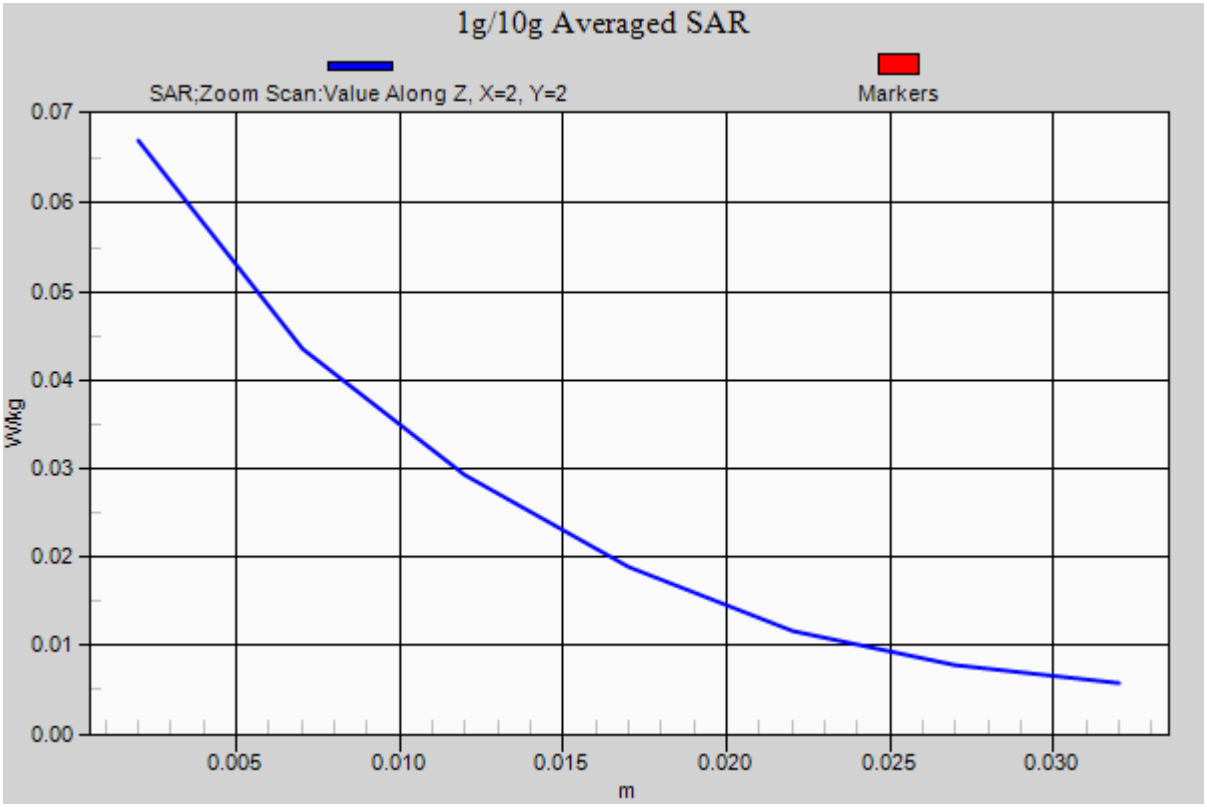
Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: H1900_0816 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.818; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0688 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.508 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.081 mW/g
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.0671 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
W/kg
0.005
0.010
0.015
0.020
0.025
0.030
m

P12 GSM1900_GPRS11_Left Tilted_Ch661

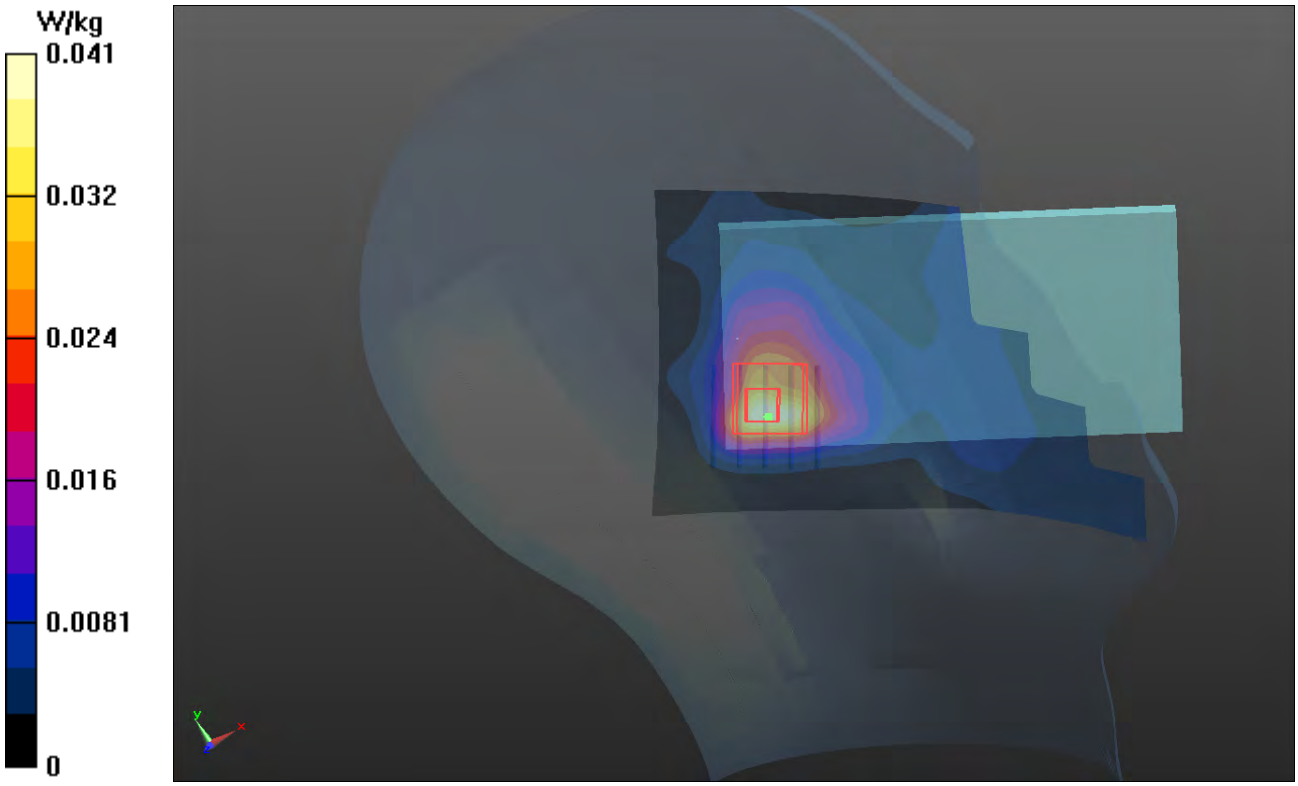
DUT: 120621C20

Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: H1900_0816 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.818; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0405 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.857 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.036 mW/g
SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.0287 W/kg



P15 WCDMA V_RMC12.2K_Right Cheek_Ch4132

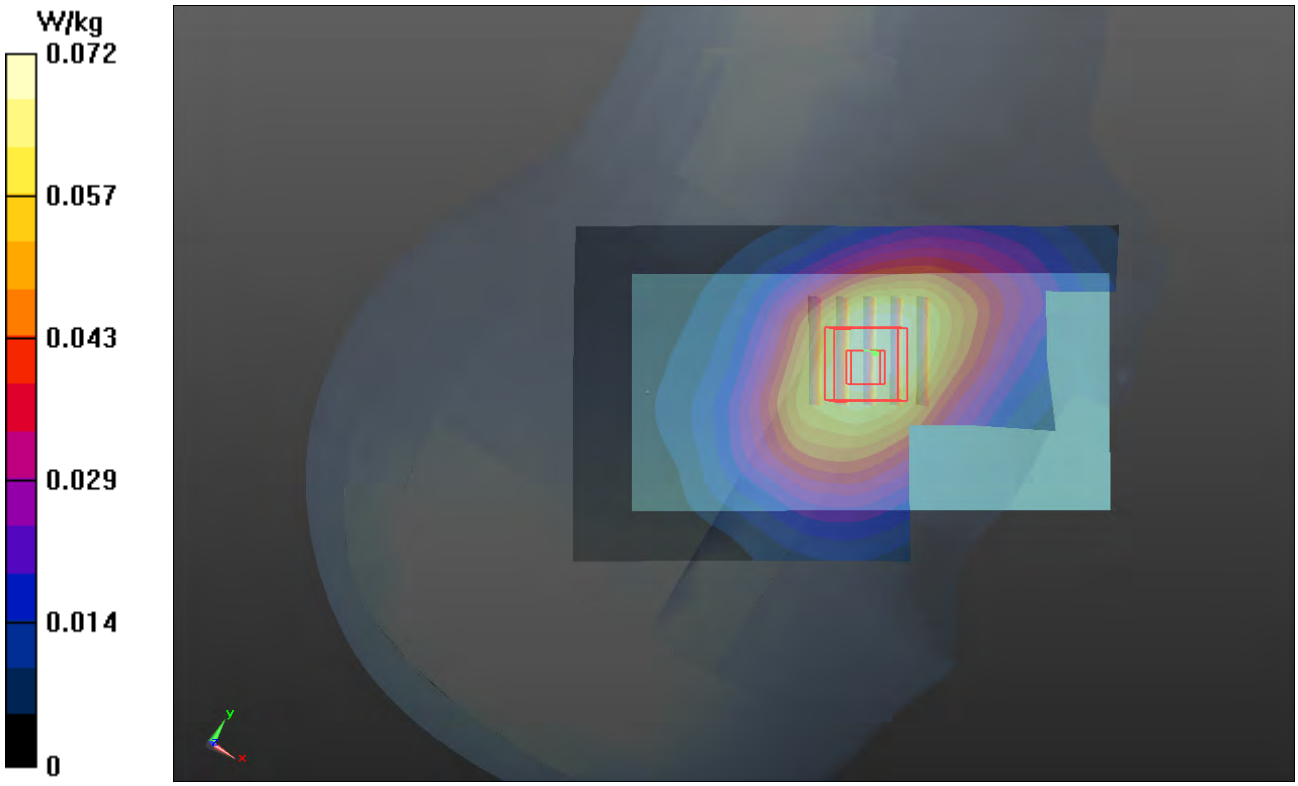
DUT: 120621C20

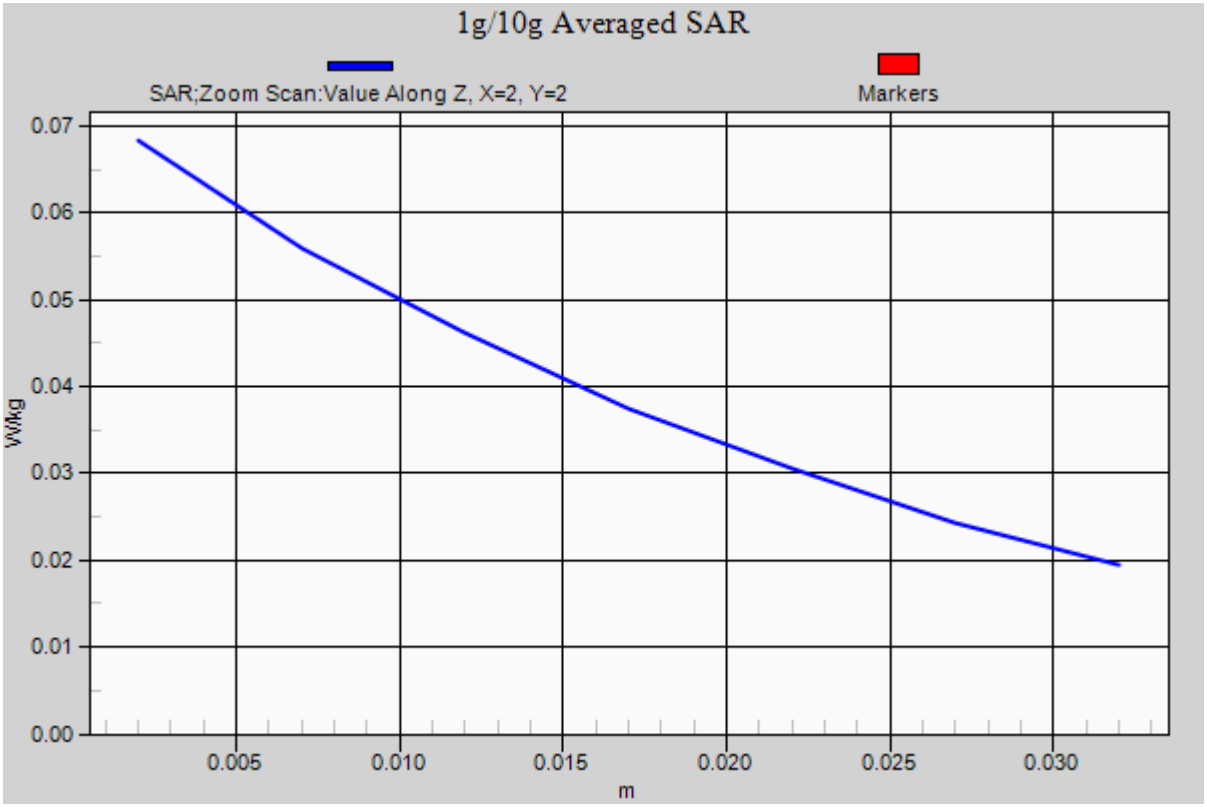
Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H835_0816 Medium parameters used: f = 826.4 MHz; σ = 0.904 mho/m; ε_r = 42.63; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0715 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.233 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.075 mW/g
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.0684 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
W/kg
0.005
0.010
0.015
0.020
0.025
0.030
m

P16 WCDMA V_RMC12.2K_Right Tilted_Ch4132

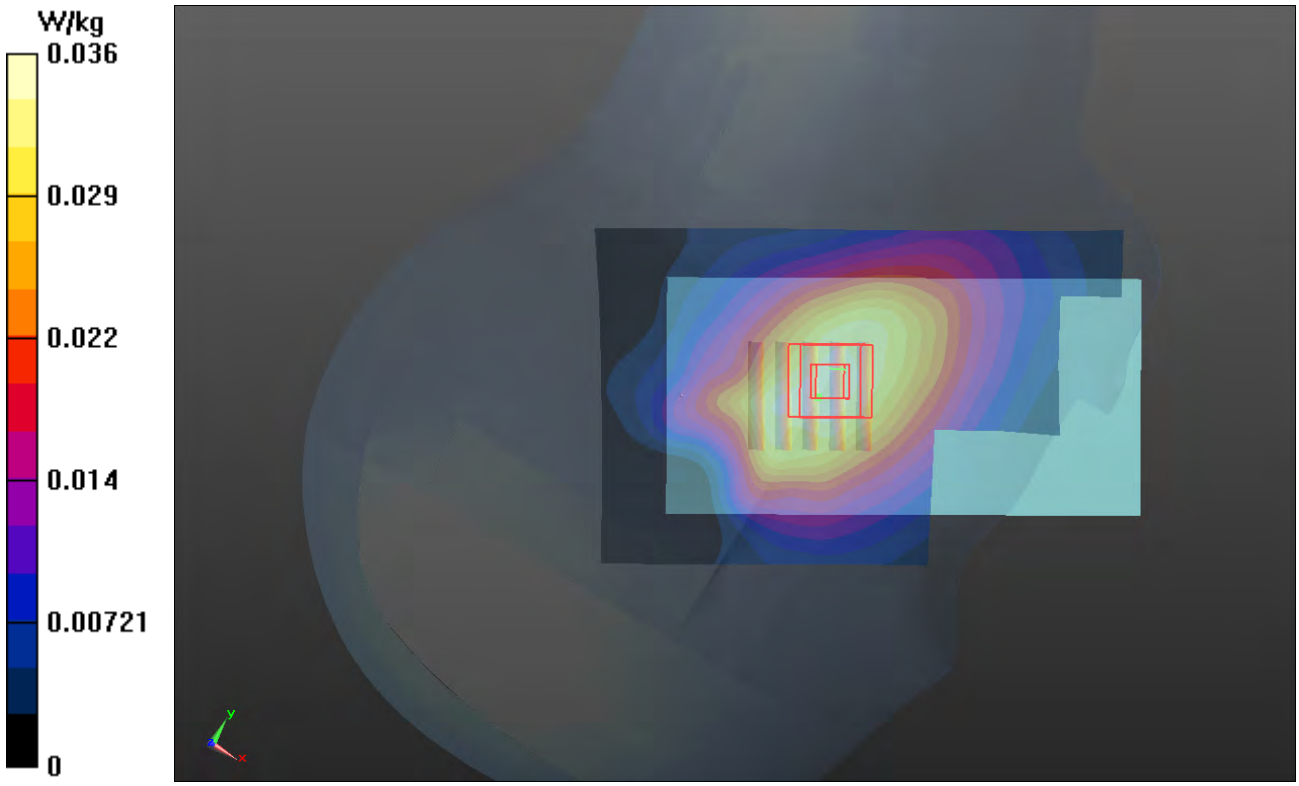
DUT: 120621C20

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H835_0816 Medium parameters used: f = 826.4 MHz; σ = 0.904 mho/m; ε_r = 42.63; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0361 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.585 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.038 mW/g
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.0352 W/kg



P17 WCDMA V_RMC12.2K_Left Cheek_Ch4132

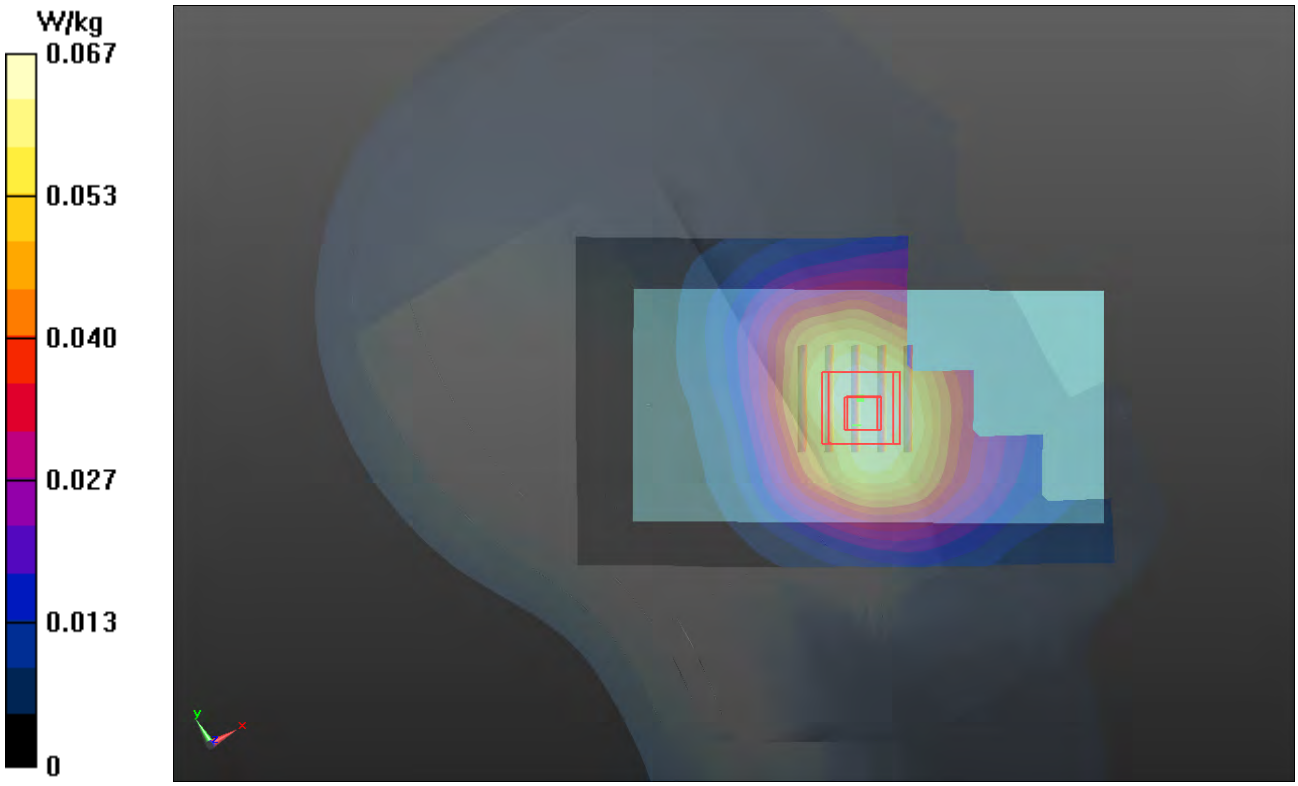
DUT: 120621C20

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H835_0816 Medium parameters used: f = 826.4 MHz; σ = 0.904 mho/m; ε_r = 42.63; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0668 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.636 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.075 mW/g
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.0686 W/kg



P18 WCDMA V_RMC12.2K_Left Tilted_Ch4132

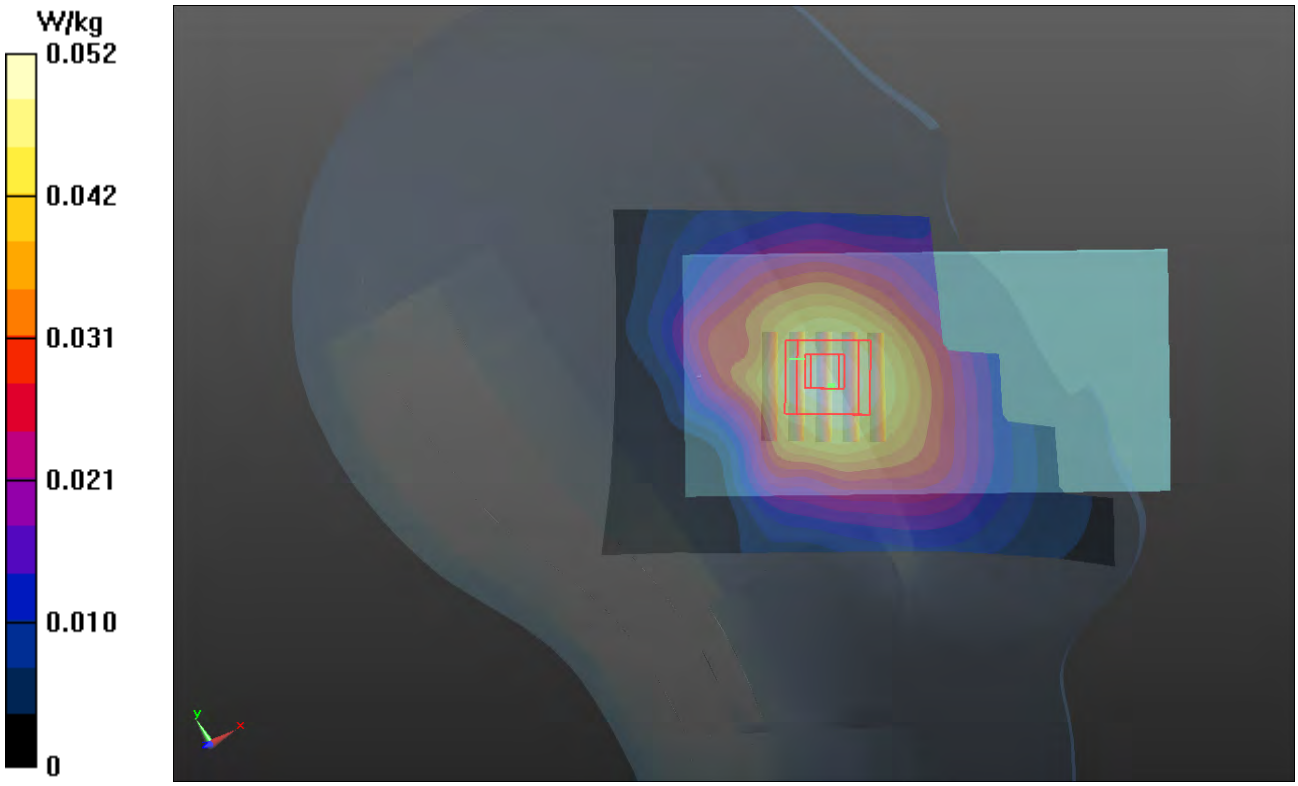
DUT: 120621C20

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H835_0816 Medium parameters used: f = 826.4 MHz; σ = 0.904 mho/m; ε_r = 42.63; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0520 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.570 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.054 mW/g
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.0485 W/kg



P21 WCDMA II_RMC12.2K_Right Cheek_Ch9400

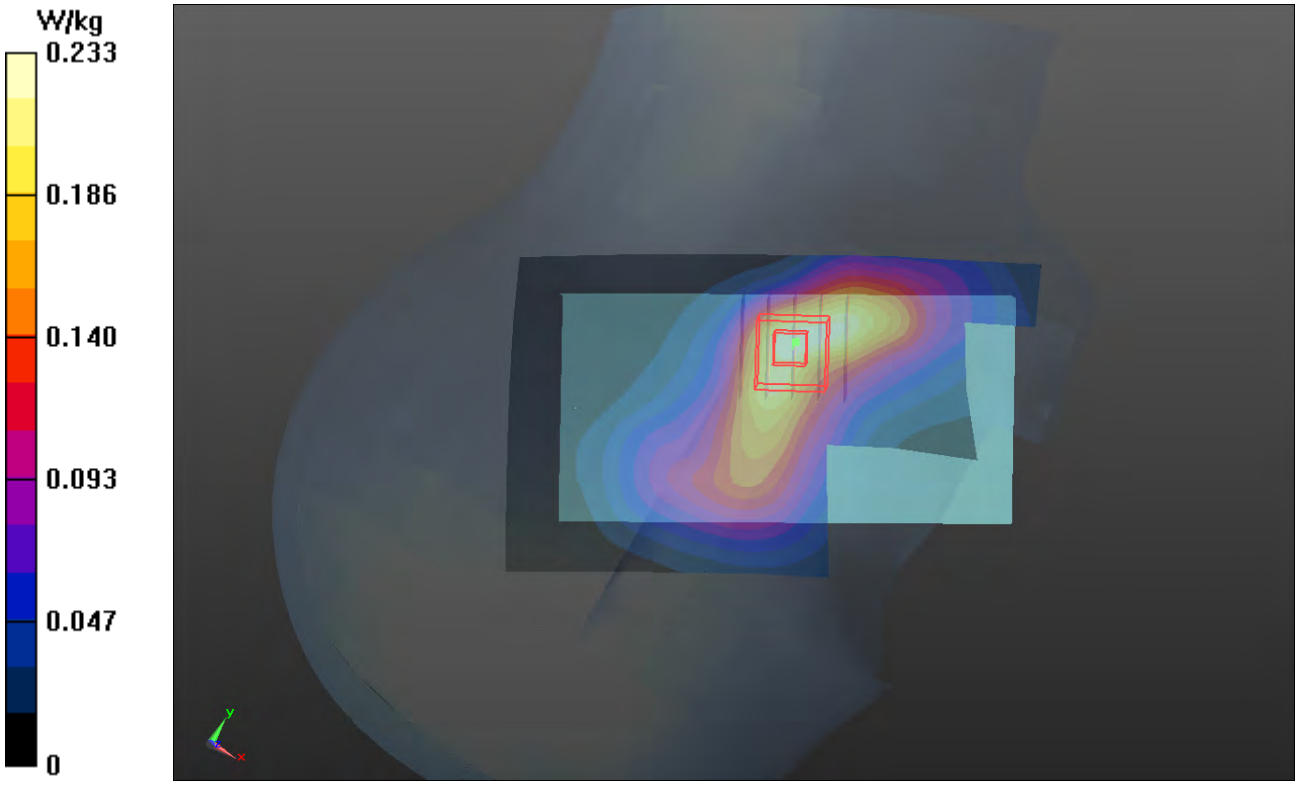
DUT: 120621C20

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0816 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.818; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.233 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.770 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.255 mW/g
SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.214 W/kg



P22 WCDMA II_RMC12.2K_Right Tilted_Ch9400

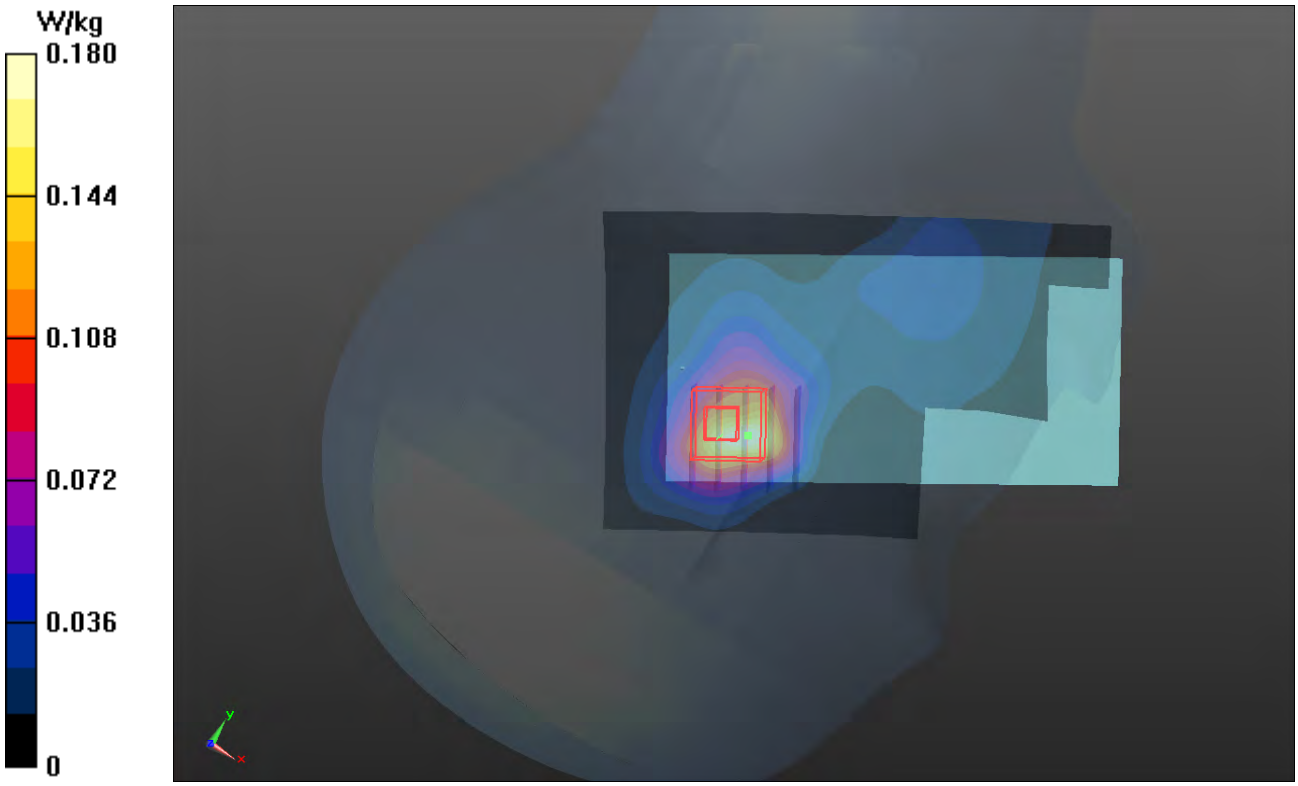
DUT: 120621C20

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0816 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.818; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.180 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.294 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.189 mW/g
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.071 mW/g
Maximum value of SAR (measured) = 0.154 W/kg



P23 WCDMA II_RMC12.2K_Left Cheek_Ch9400

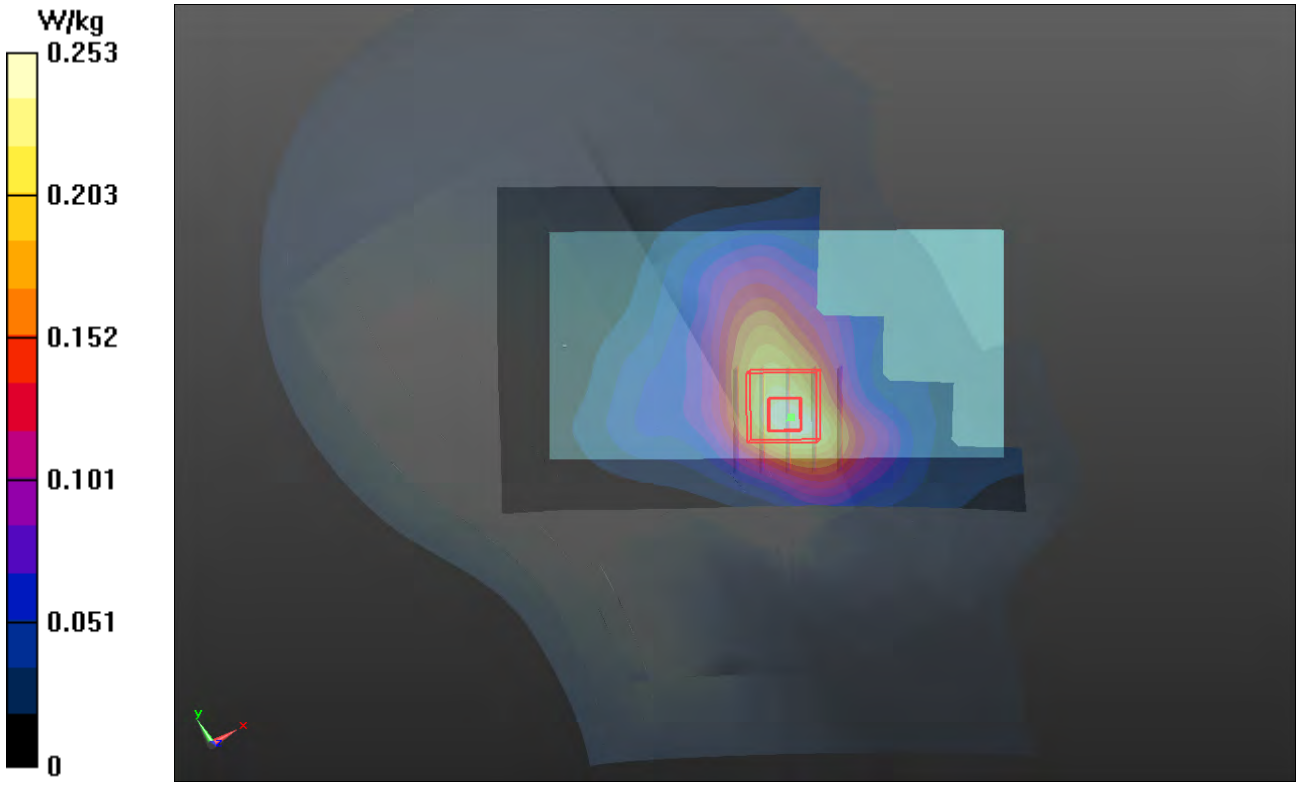
DUT: 120621C20

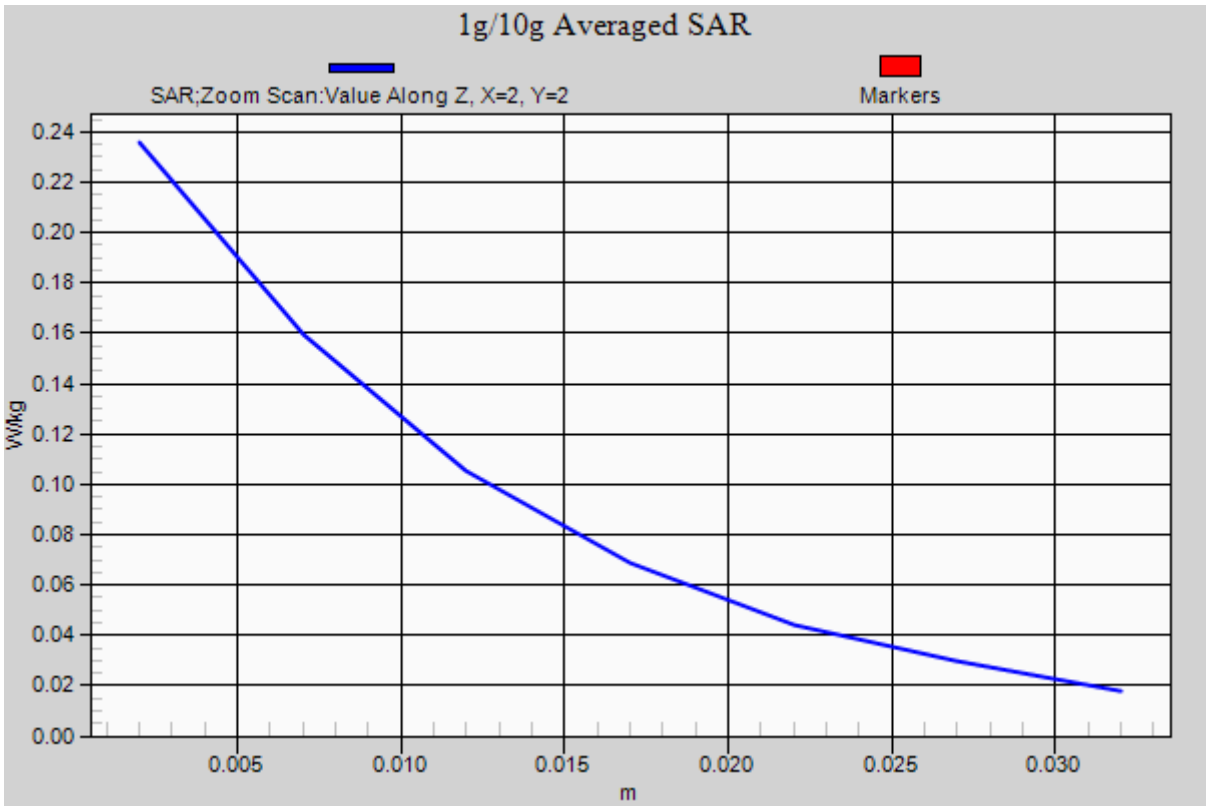
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0816 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.818; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.253 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.819 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.278 mW/g
SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.236 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
W/kg
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0.005
0.010
0.015
0.020
0.025
0.030
m

P24 WCDMA II_RMC12.2K_Left Tilted_Ch9400

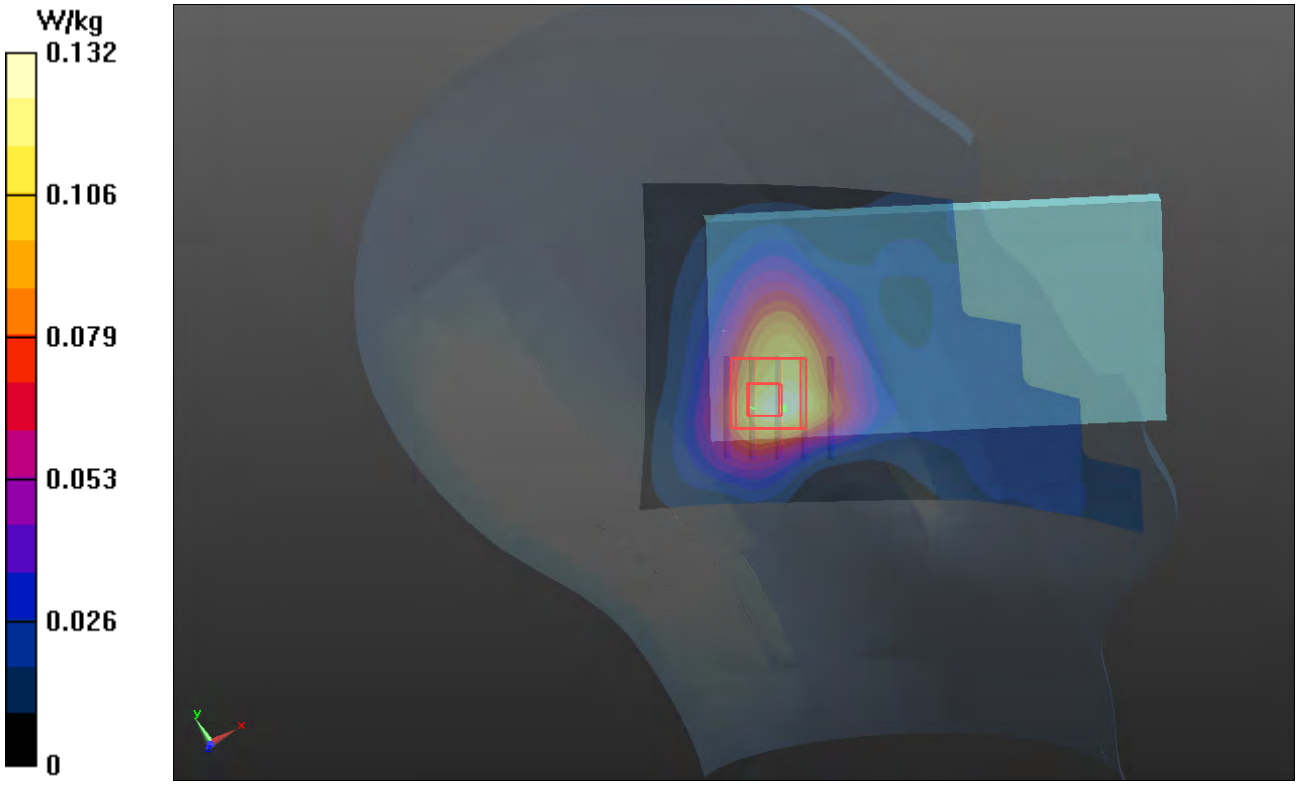
DUT: 120621C20

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0816 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.818; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.132 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.507 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.157 mW/g
SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.130 W/kg



P302 CDMA2000 BC0_RC3+SO55_Right Cheek_Ch384

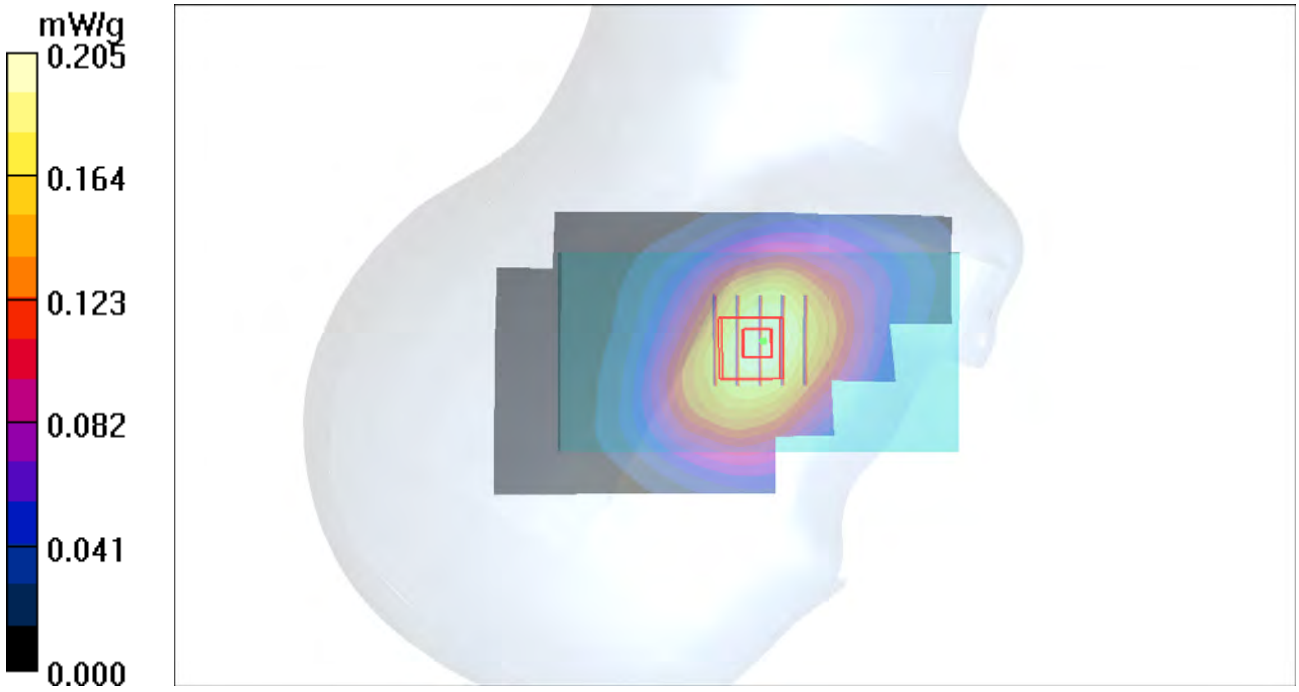
DUT: 120621C20

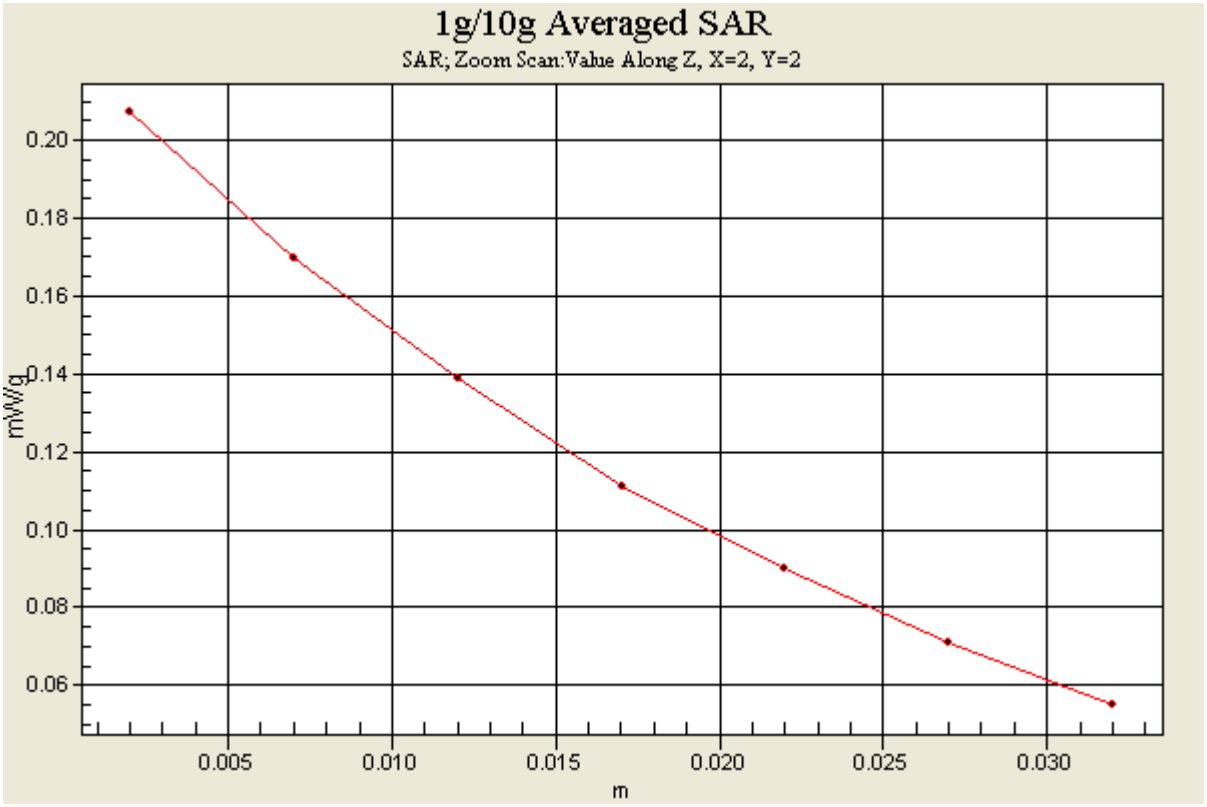
Communication System: CDMA2000 BC0; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: H835_0814 Medium parameters used: f = 837 MHz; σ = 0.915 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch384/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.205 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.04 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.207 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
mW/g
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.005
0.010
0.015
0.020
0.025
0.030
m

P303 CDMA2000 BC0_RC3+SO55_Right Tilted_Ch384

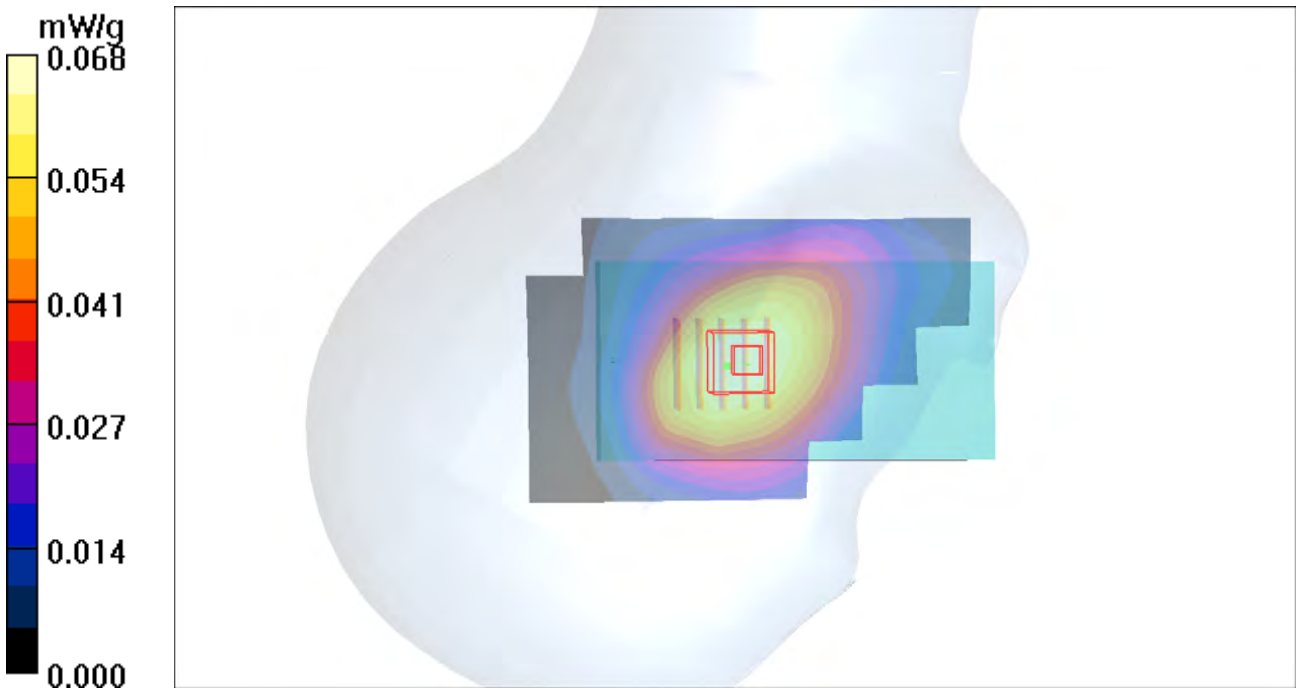
DUT: 120621C20

Communication System: CDMA2000 BC0; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: H835_0814 Medium parameters used: f = 837 MHz; σ = 0.915 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch384/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.068 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.68 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 0.071 W/kg
SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



P304 CDMA2000 BC0_RC3+SO55_Left Cheek_Ch384

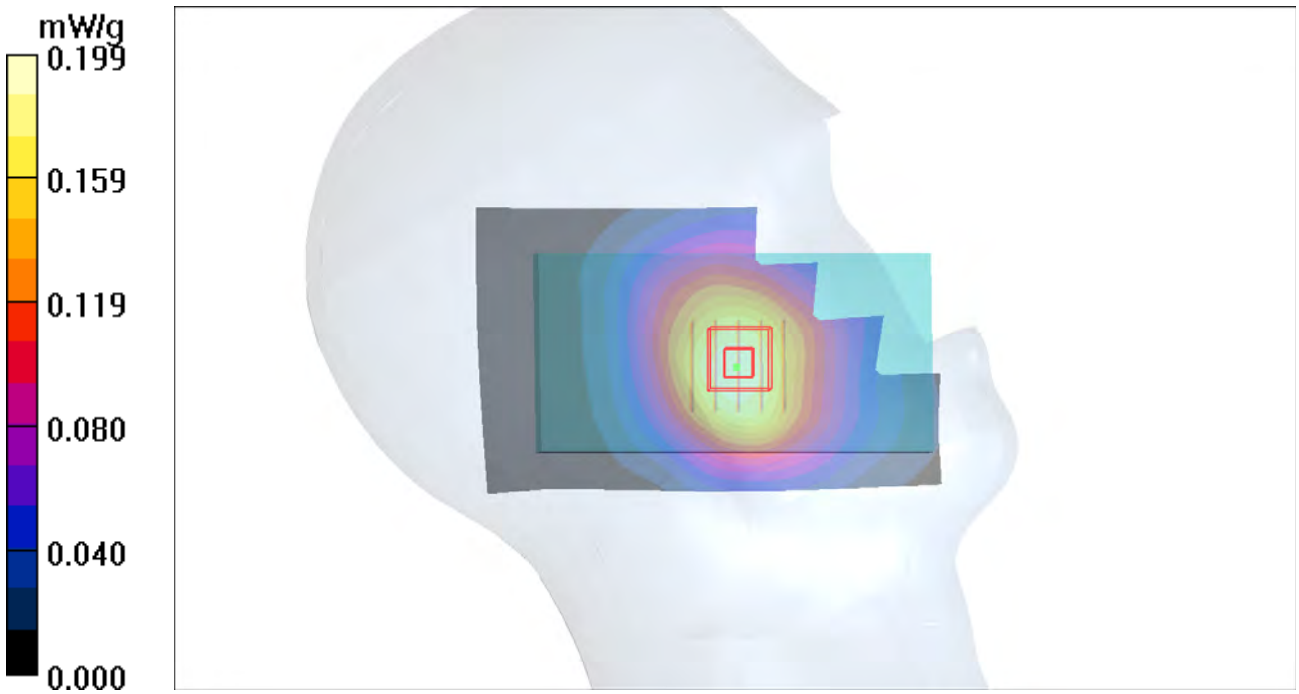
DUT: 120621C20

Communication System: CDMA2000 BC0; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: H835_0814 Medium parameters used: f = 837 MHz; σ = 0.915 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch384/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.199 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.29 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.198 mW/g



P305 CDMA2000 BC0_RC3+SO55_Left Tilted_Ch384

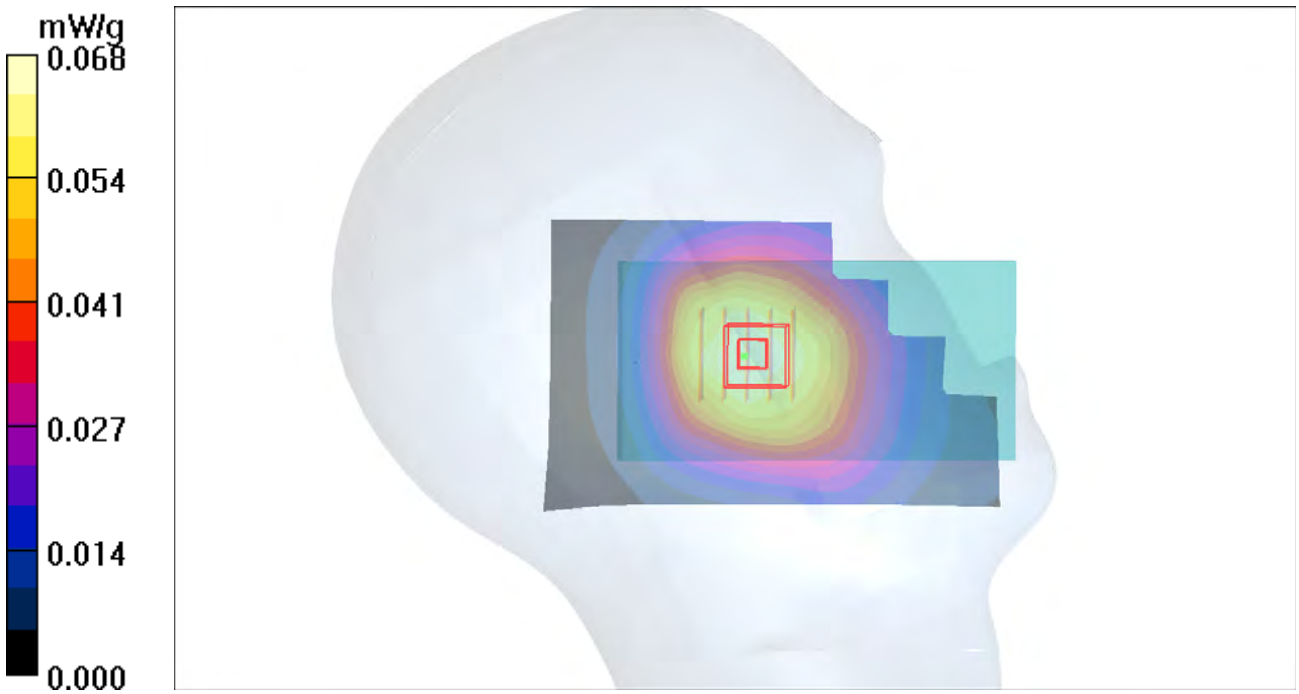
DUT: 120621C20

Communication System: CDMA2000 BC0; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: H835_0814 Medium parameters used: f = 837 MHz; σ = 0.915 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch384/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.068 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.38 V/m; Power Drift = 0.124 dB
Peak SAR (extrapolated) = 0.070 W/kg
SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



P329 CDMA2000 BC1_RC3+SO55_Right Cheek_Ch600

DUT: 120621C20

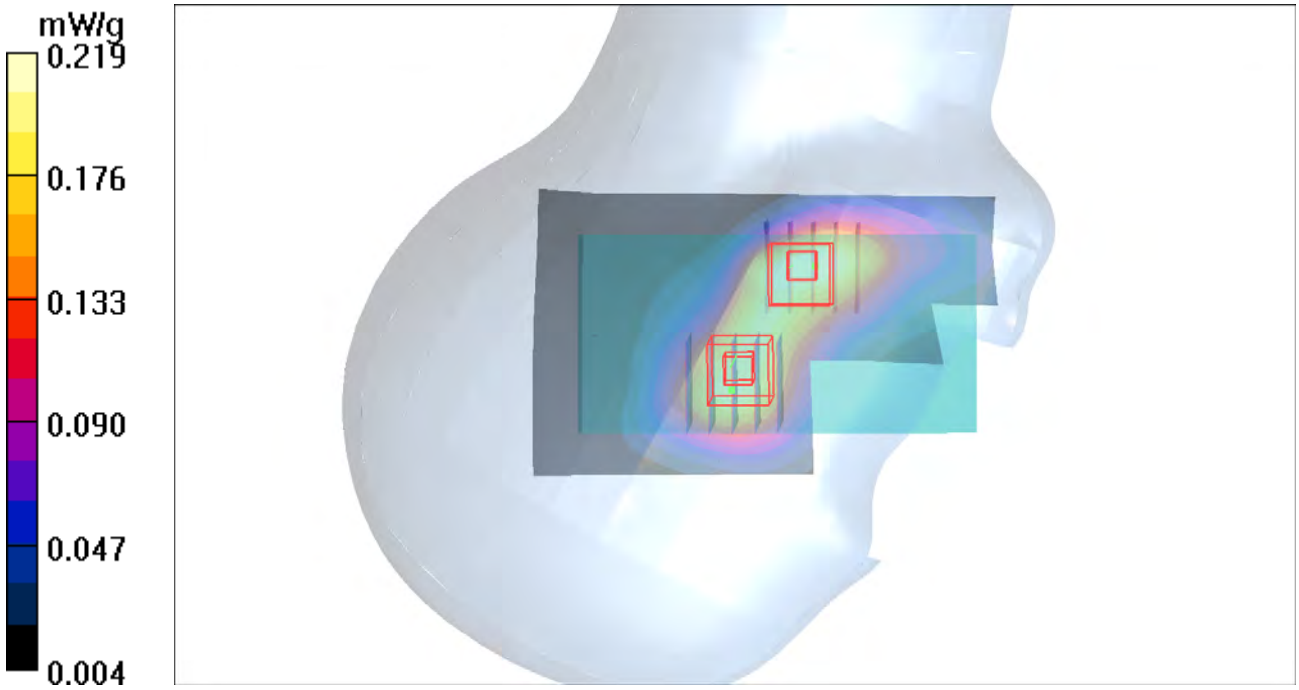
Communication System: CDMA2000 BC1; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0813 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

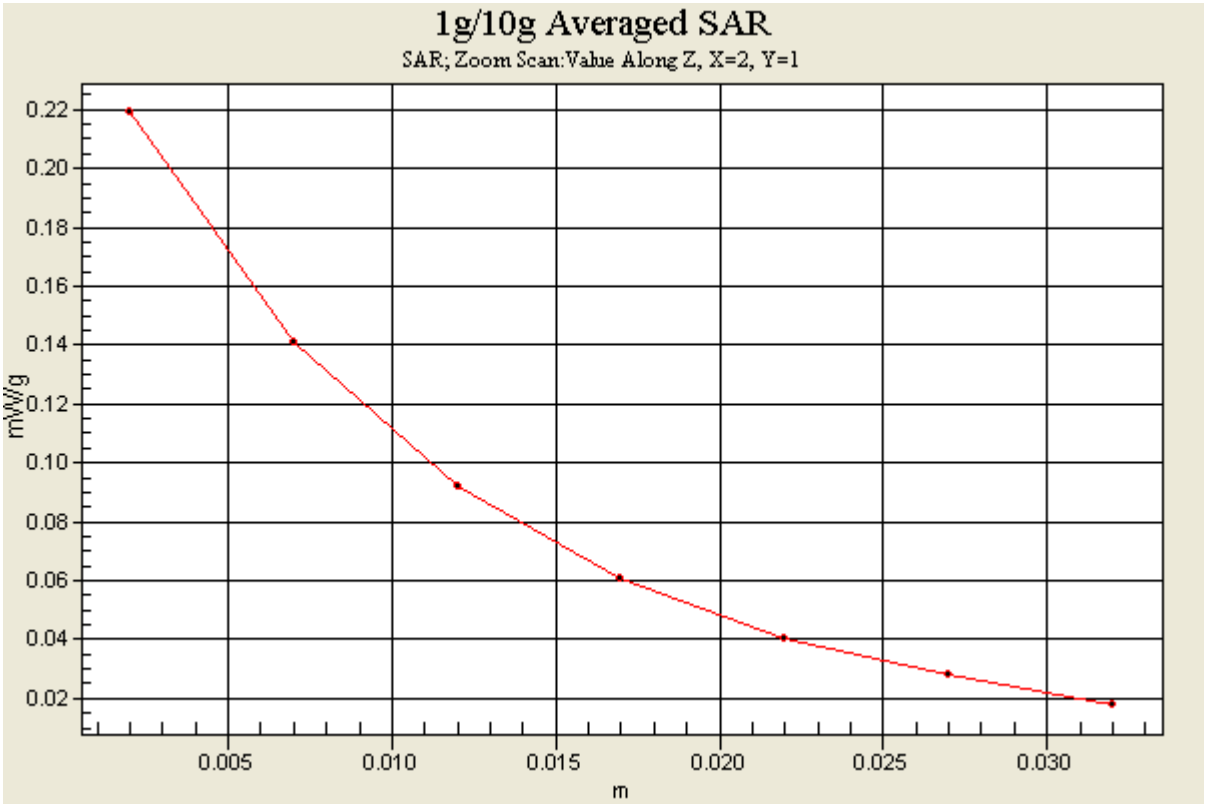
DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch600/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.237 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.01 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.271 W/kg
SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.219 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.01 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.207 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=1
mW/g
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.005
0.010
0.015
0.020
0.025
0.030
m

P309 CDMA2000 BC1_RC3+SO55_Right Tilted_Ch600

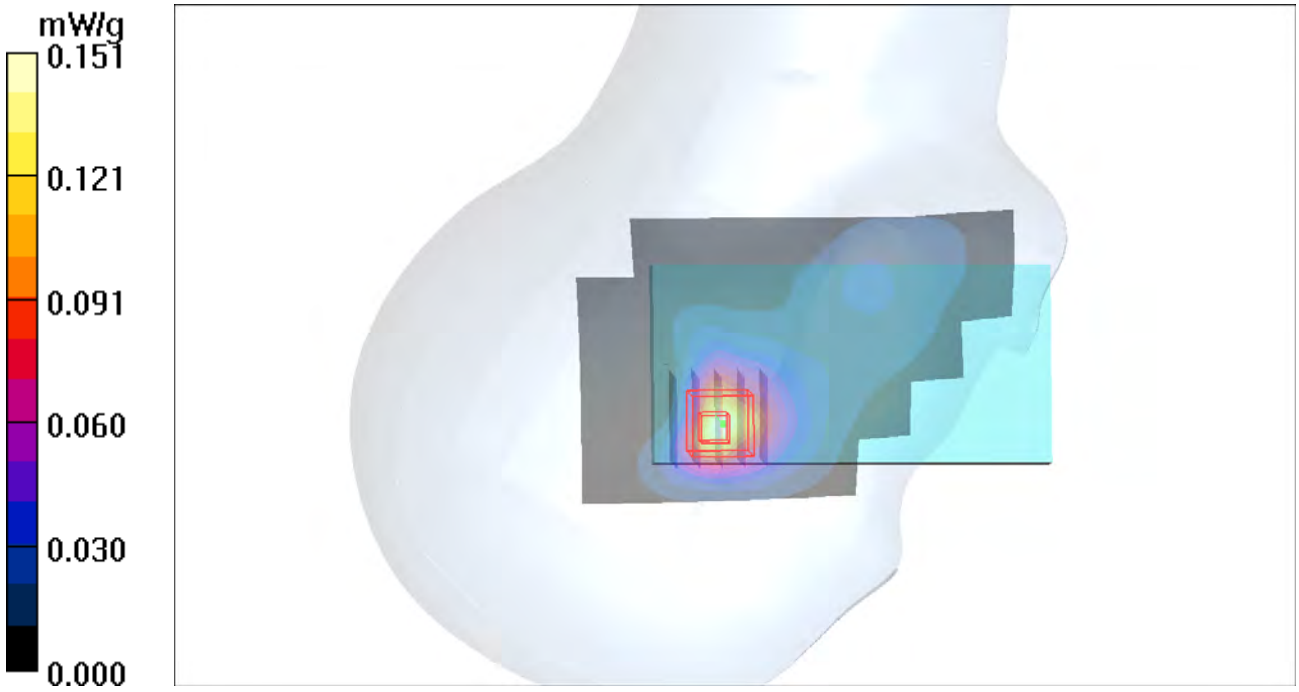
DUT: 120621C20

Communication System: CDMA2000 BC1; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0813 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch600/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.151 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.15 V/m; Power Drift = 0.174 dB
Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.053 mW/g
Maximum value of SAR (measured) = 0.117 mW/g



P310 CDMA2000 BC1_RC3+SO55_Left Cheek_Ch600

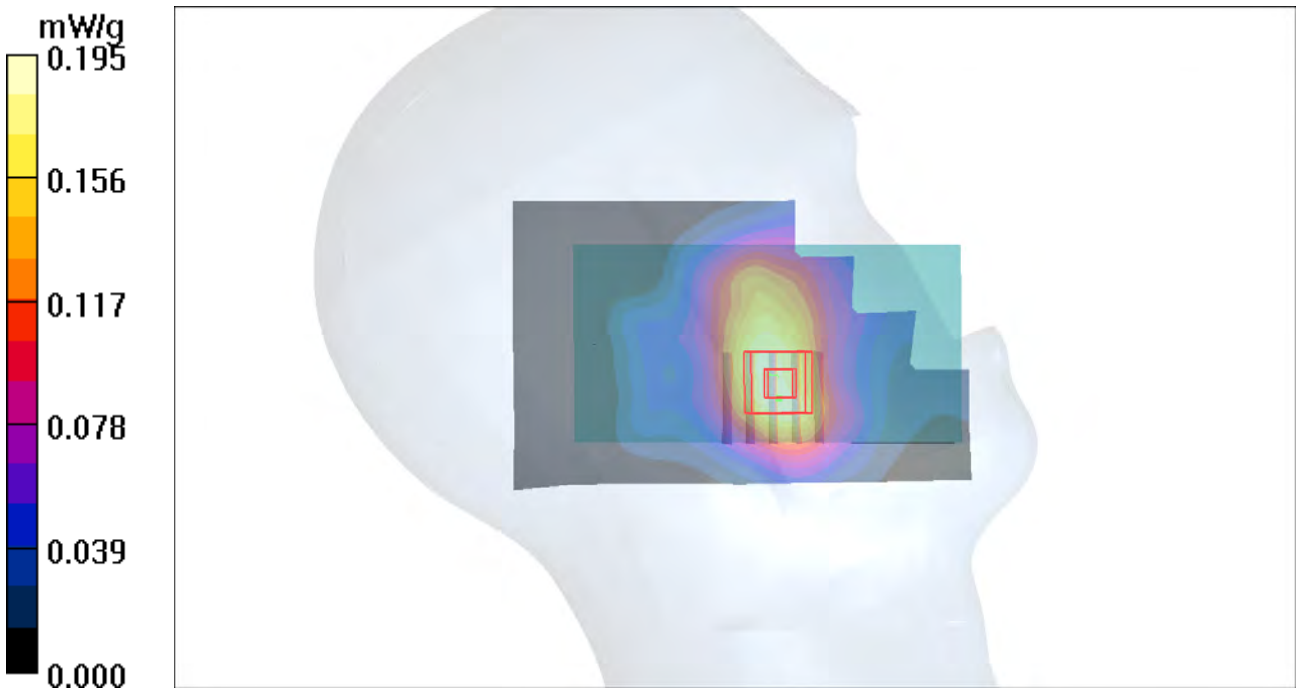
DUT: 120621C20

Communication System: CDMA2000 BC1; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0813 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch600/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.195 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.13 V/m; Power Drift = -0.101 dB
Peak SAR (extrapolated) = 0.227 W/kg
SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.191 mW/g



P311 CDMA2000 BC1_RC3+SO55_Left Tilted_Ch600

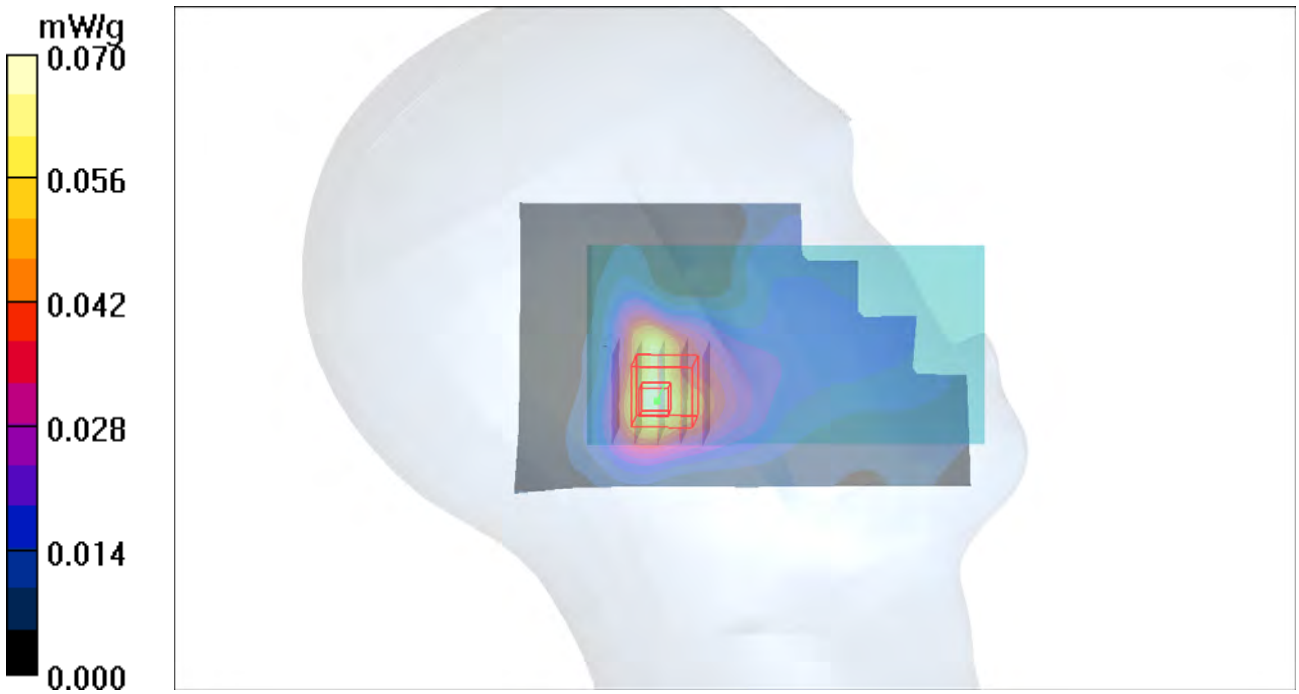
DUT: 120621C20

Communication System: CDMA2000 BC1; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0813 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch600/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.070 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.25 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 0.072 W/kg
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.060 mW/g



P201 LTE 13_QPSK_10M_Right Cheek_Ch23230_25 RB_Offset 12

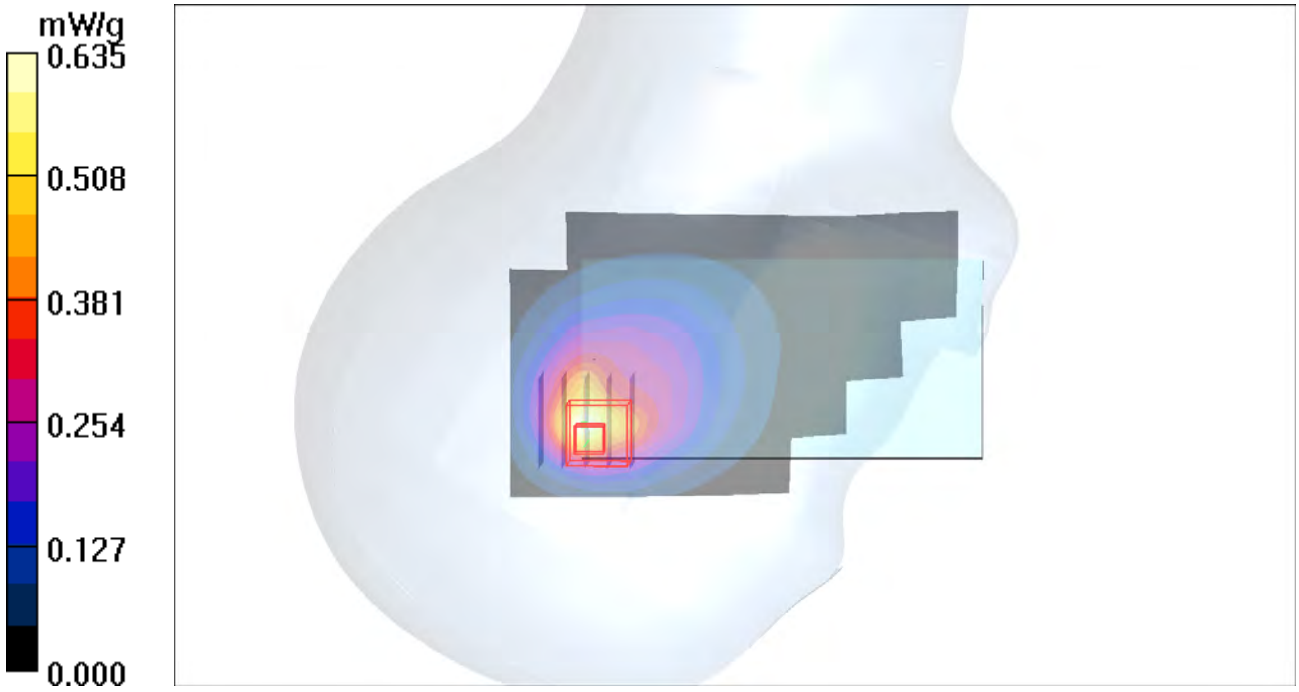
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.635 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.3 V/m; Power Drift = -0.100 dB
Peak SAR (extrapolated) = 0.843 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.588 mW/g



P202 LTE 13_QPSK_10M_Right Tilted_Ch23230_25 RB_Offset 12

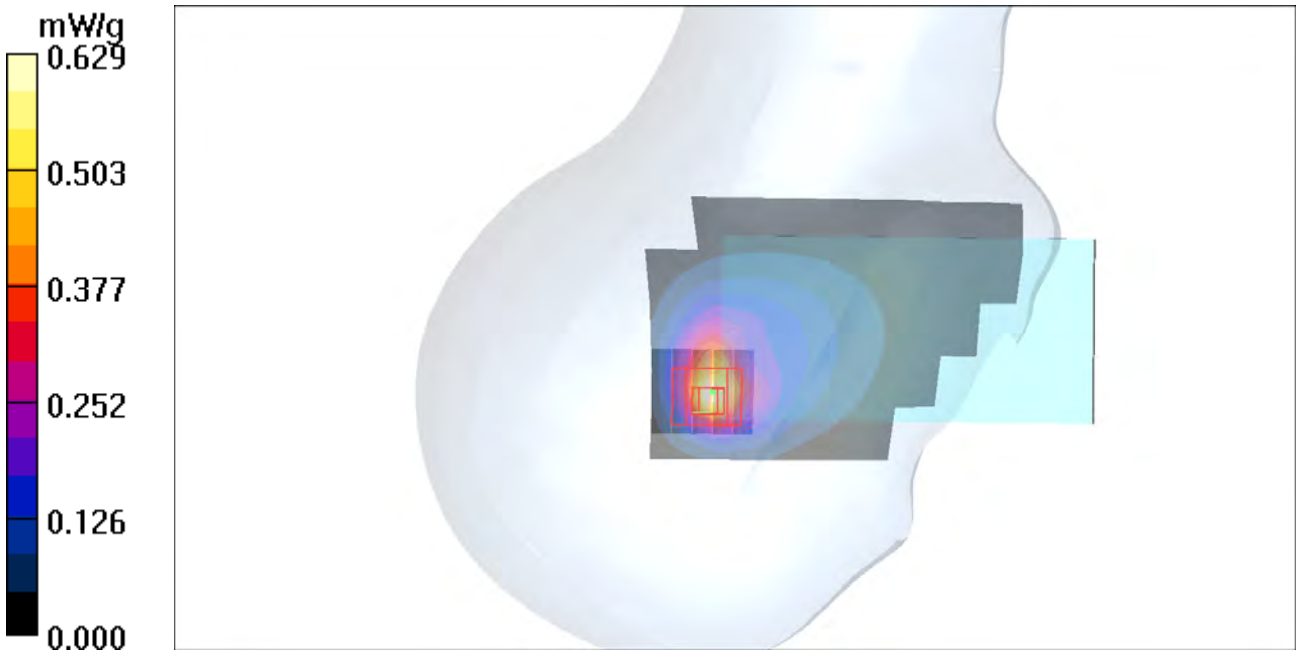
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.629 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.8 V/m; Power Drift = 0.086 dB
Peak SAR (extrapolated) = 0.849 W/kg
SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.551 mW/g



P203 LTE 13_QPSK_10M_Left Cheek_Ch23230_25 RB_Offset 12

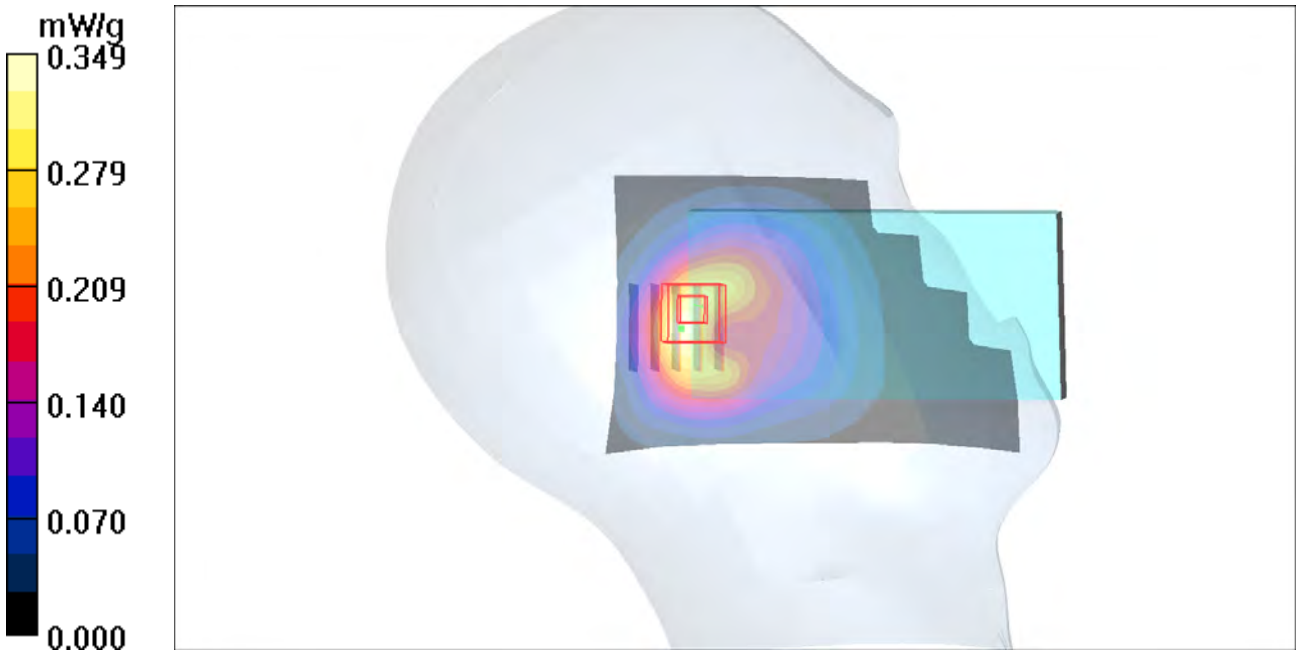
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.349 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.0 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.453 W/kg
SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.345 mW/g



P204 LTE 13_QPSK_10M_Left Tilted_Ch23230_25 RB_Offset 12

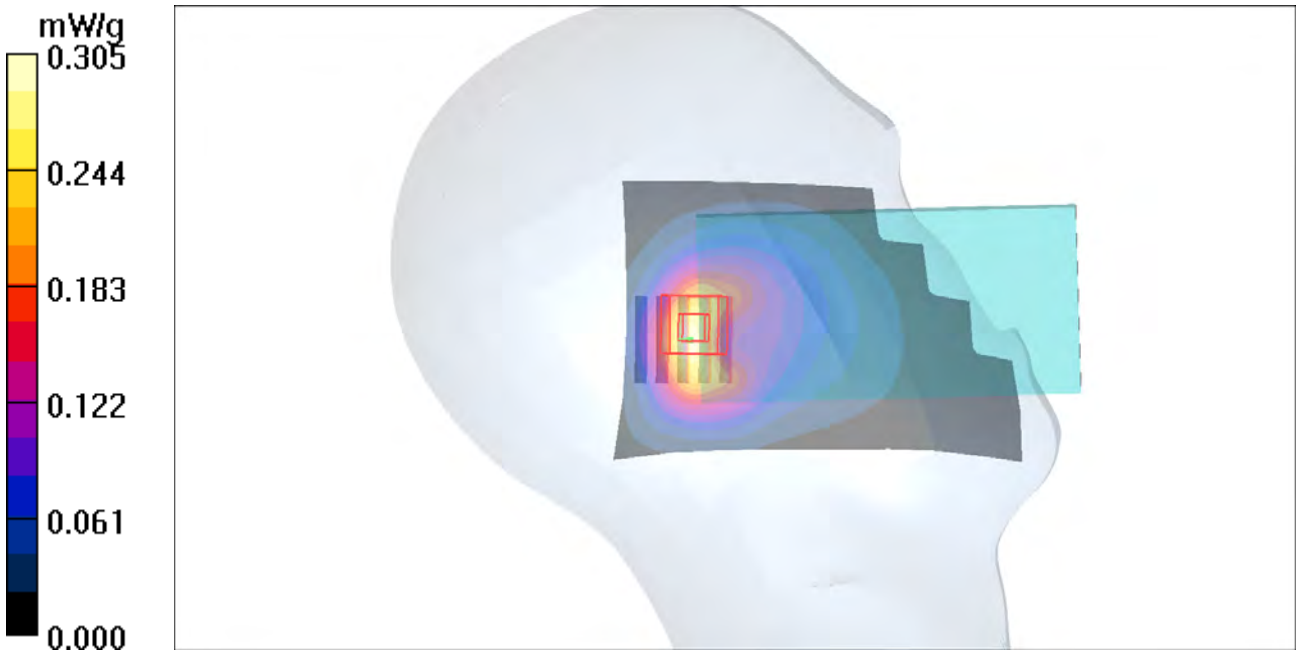
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.305 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.379 W/kg
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.297 mW/g



P205 LTE 13_QPSK_10M_Right Cheek_Ch23230_1 RB_Offset 0

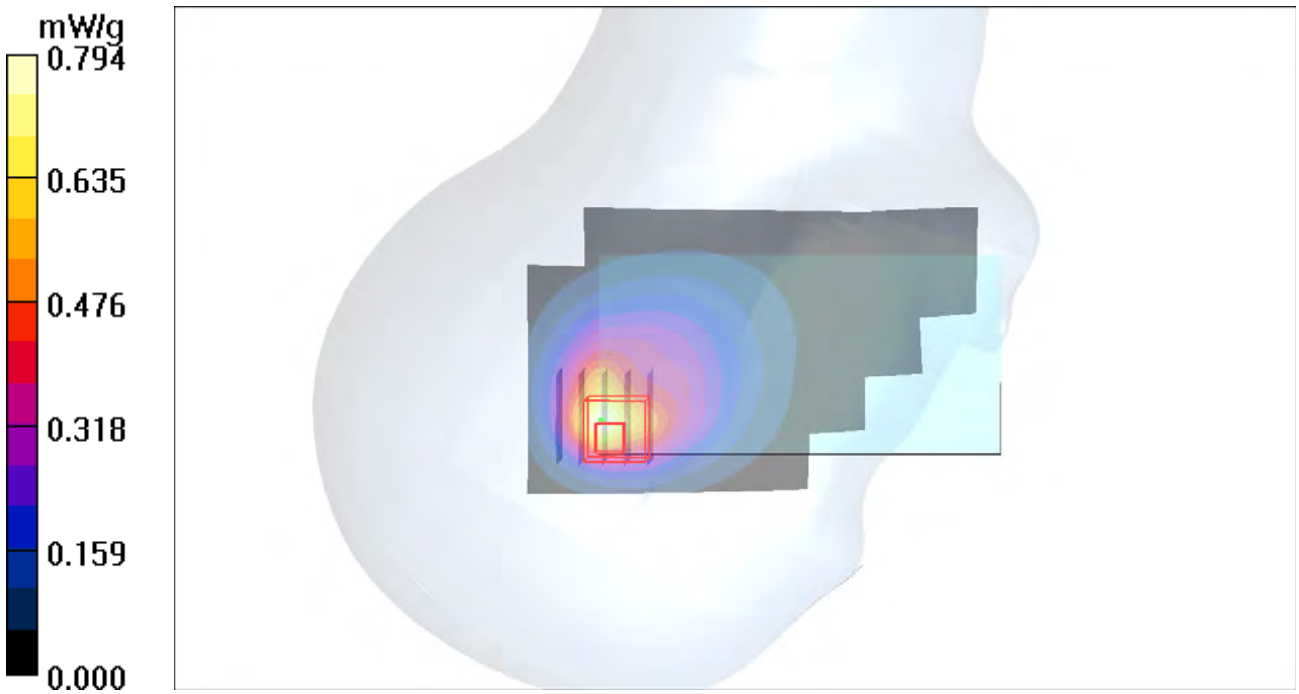
DUT: 120621C20

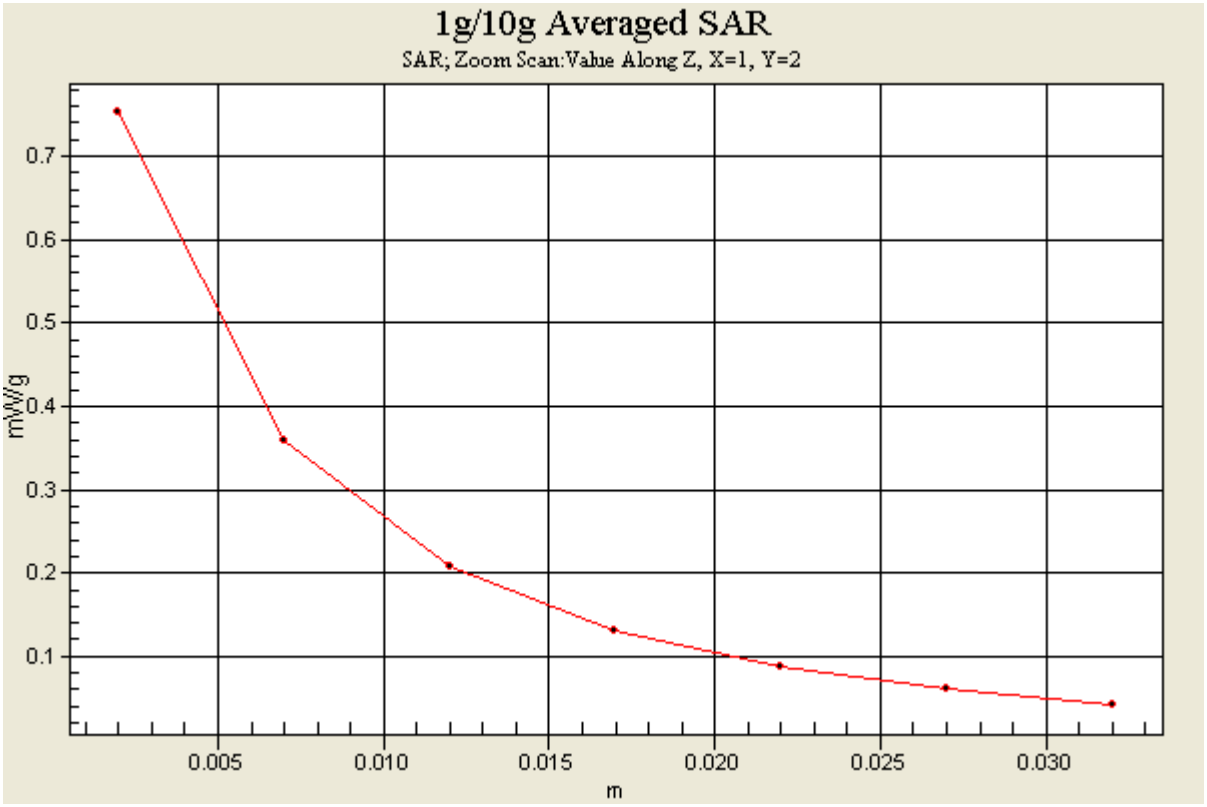
Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.794 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.4 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 0.752 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=1, Y=2
0.7
0.6
0.5
0.4
0.3
0.2
0.1
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

P206 LTE 13_QPSK_10M_Right Tilted_Ch23230_1 RB_Offset 0

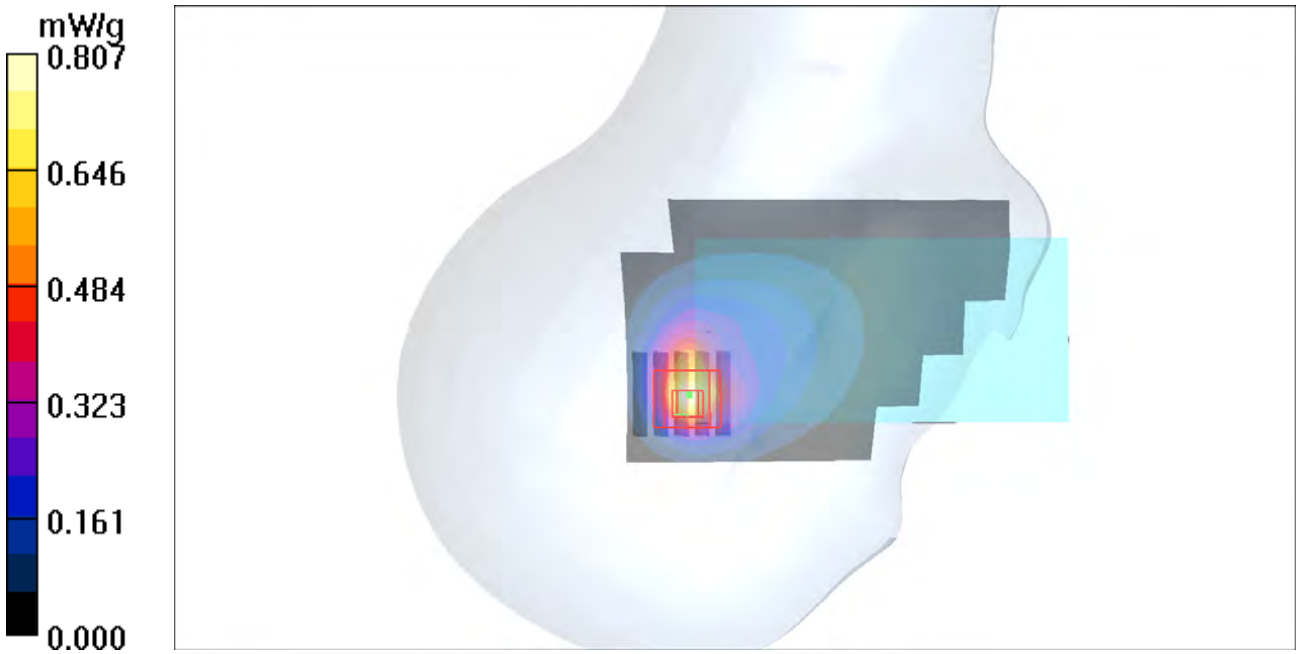
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.807 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.228 mW/g
Maximum value of SAR (measured) = 0.675 mW/g



P207 LTE 13_QPSK_10M_Left Cheek_Ch23230_1 RB_Offset 0

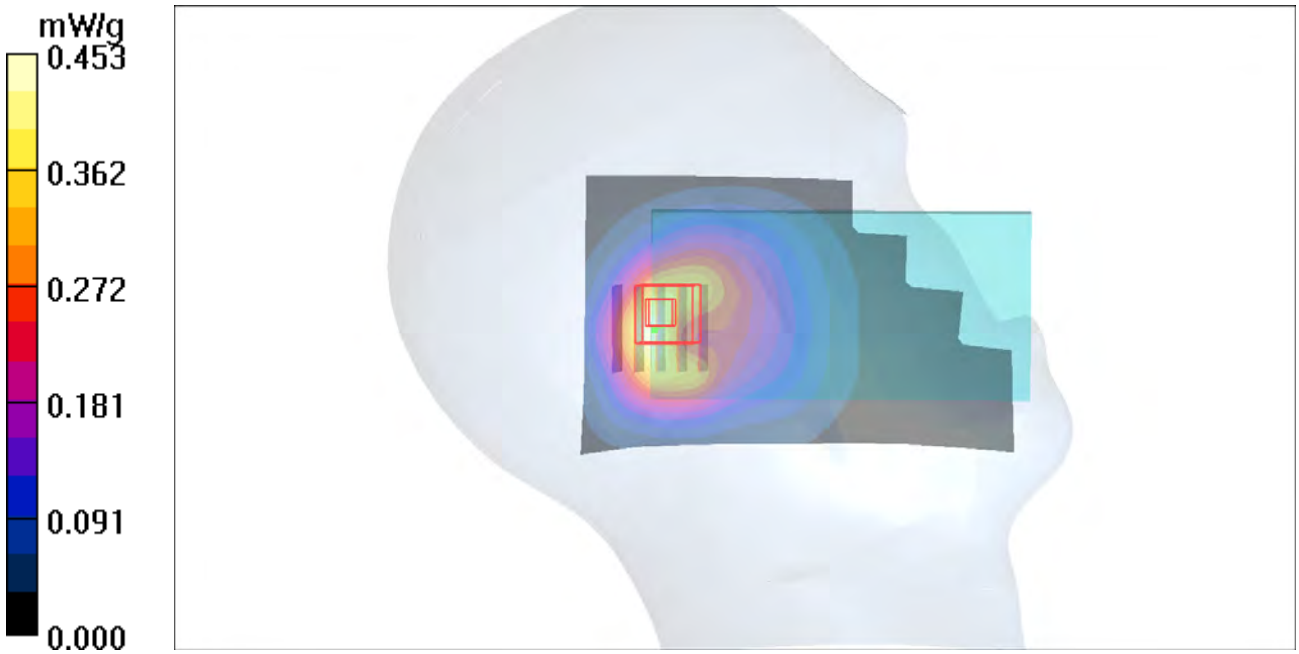
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.453 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.9 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.200 mW/g
Maximum value of SAR (measured) = 0.449 mW/g



P208 LTE 13_QPSK_10M_Left Tilted_Ch23230_1 RB_Offset 0

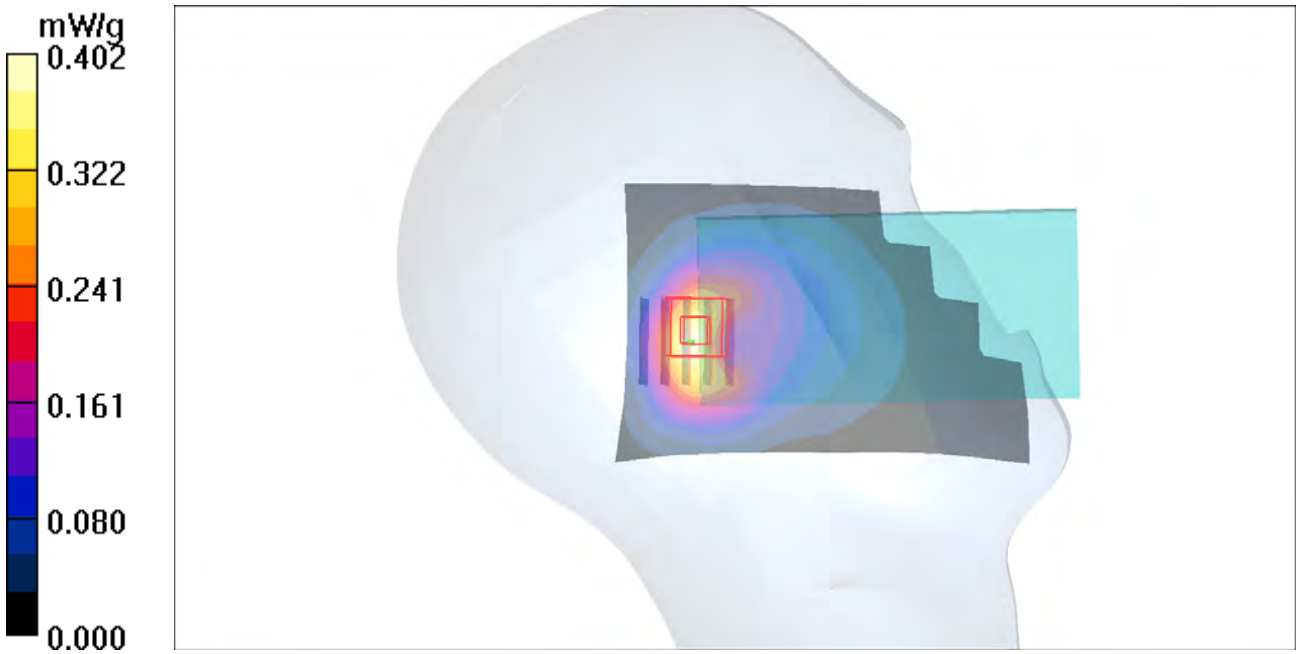
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.402 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.3 V/m; Power Drift = -0.154 dB
Peak SAR (extrapolated) = 0.481 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 0.371 mW/g



P209 LTE 13_QPSK_10M_Right Cheek_Ch23230_1 RB_Offset 49

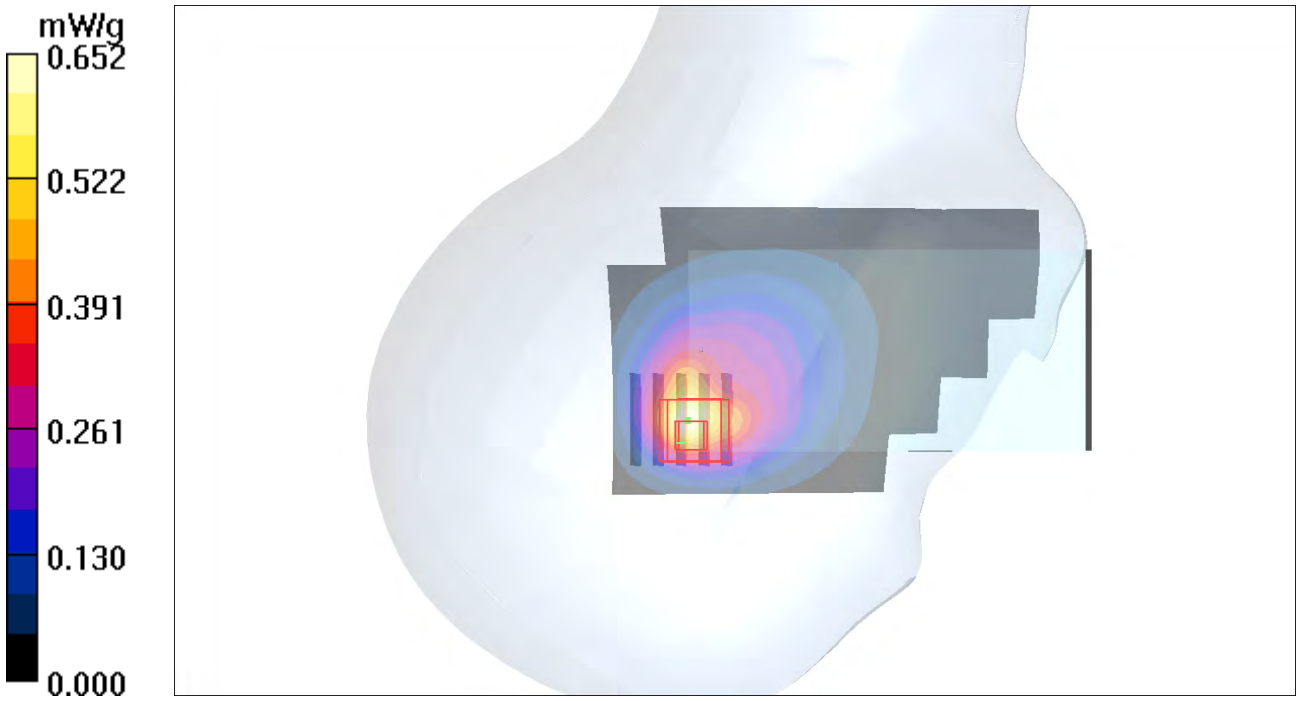
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.652 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.2 V/m; Power Drift = 0.177 dB
Peak SAR (extrapolated) = 0.891 W/kg
SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.219 mW/g
Maximum value of SAR (measured) = 0.616 mW/g



P210 LTE 13_QPSK_10M_Right Tilted_Ch23230_1 RB_Offset 49

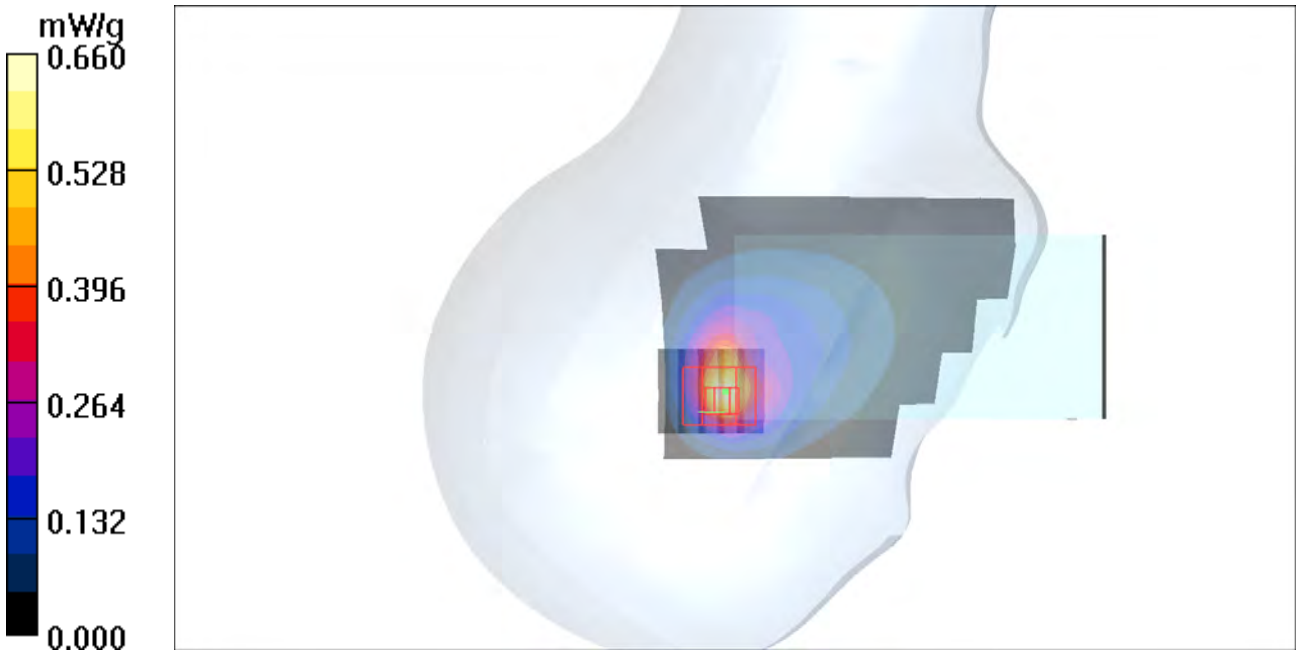
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.660 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = 0.066 dB
Peak SAR (extrapolated) = 0.873 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 0.572 mW/g



P211 LTE 13_QPSK_10M_Left Cheek_Ch23230_1 RB_Offset 49

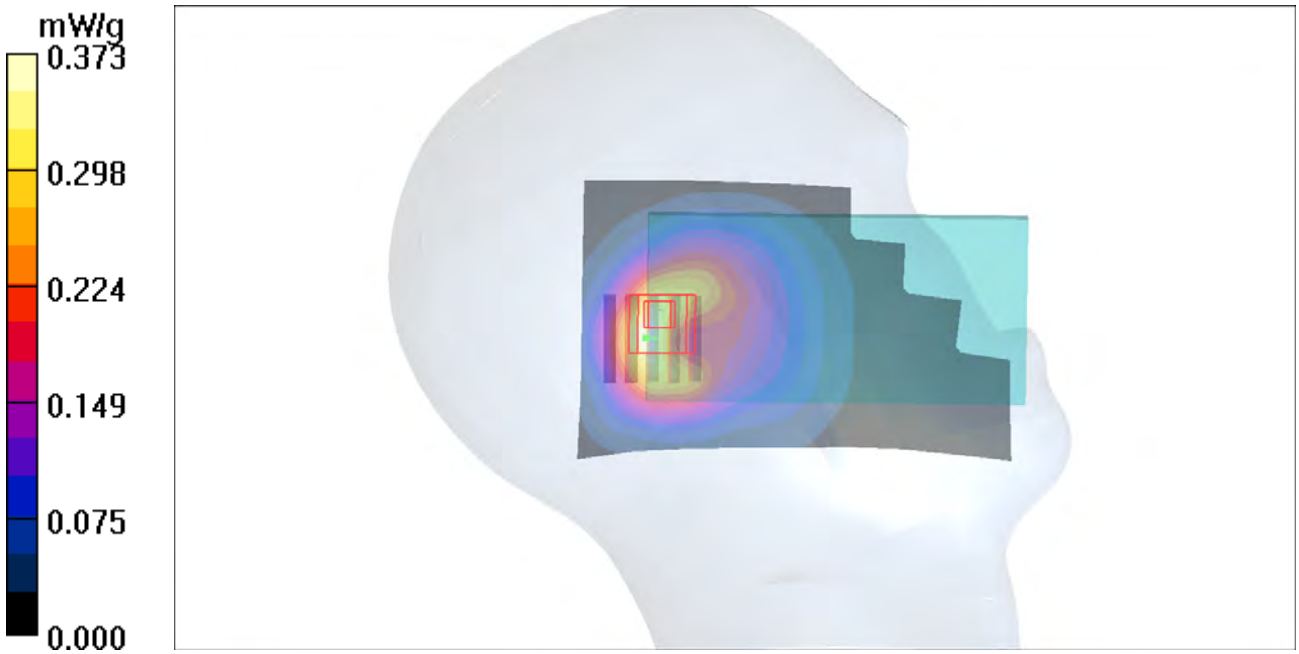
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.373 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.5 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.472 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.357 mW/g



P212 LTE 13_QPSK_10M_Left Tilted_Ch23230_1 RB_Offset 49

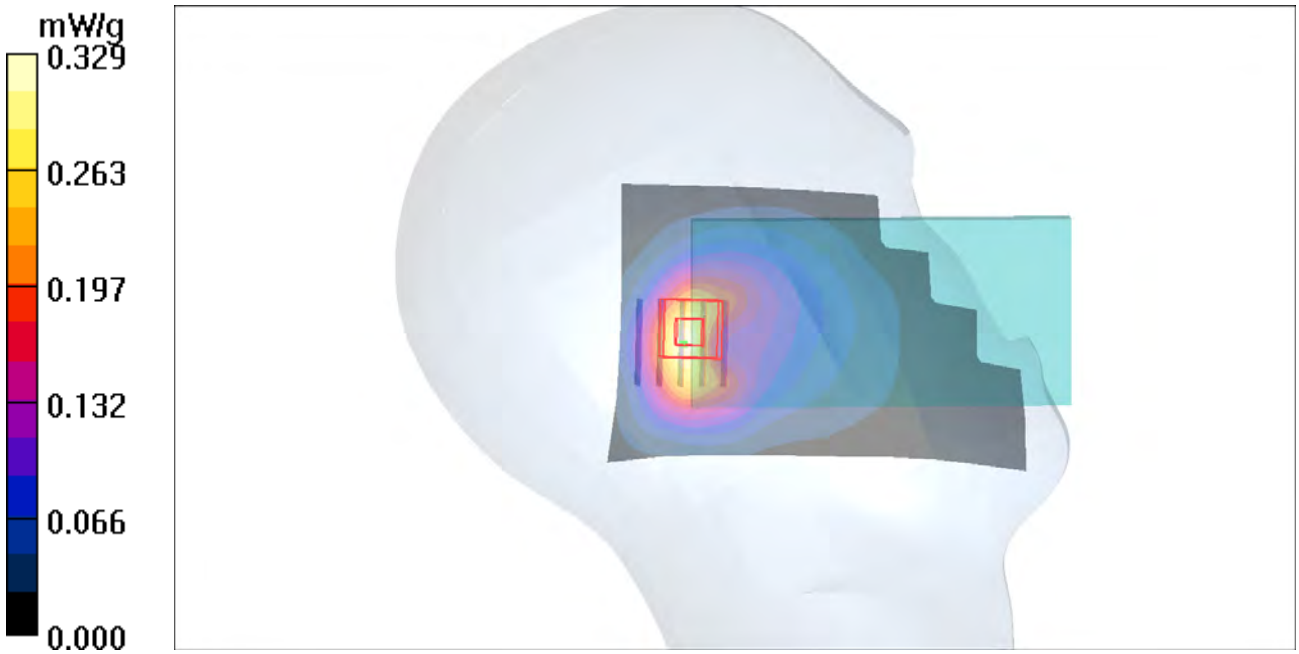
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.329 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.4 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.133 mW/g
Maximum value of SAR (measured) = 0.313 mW/g



P213 LTE 13_16QAM_10M_Right Cheek_Ch23230_25 RB_Offset 12

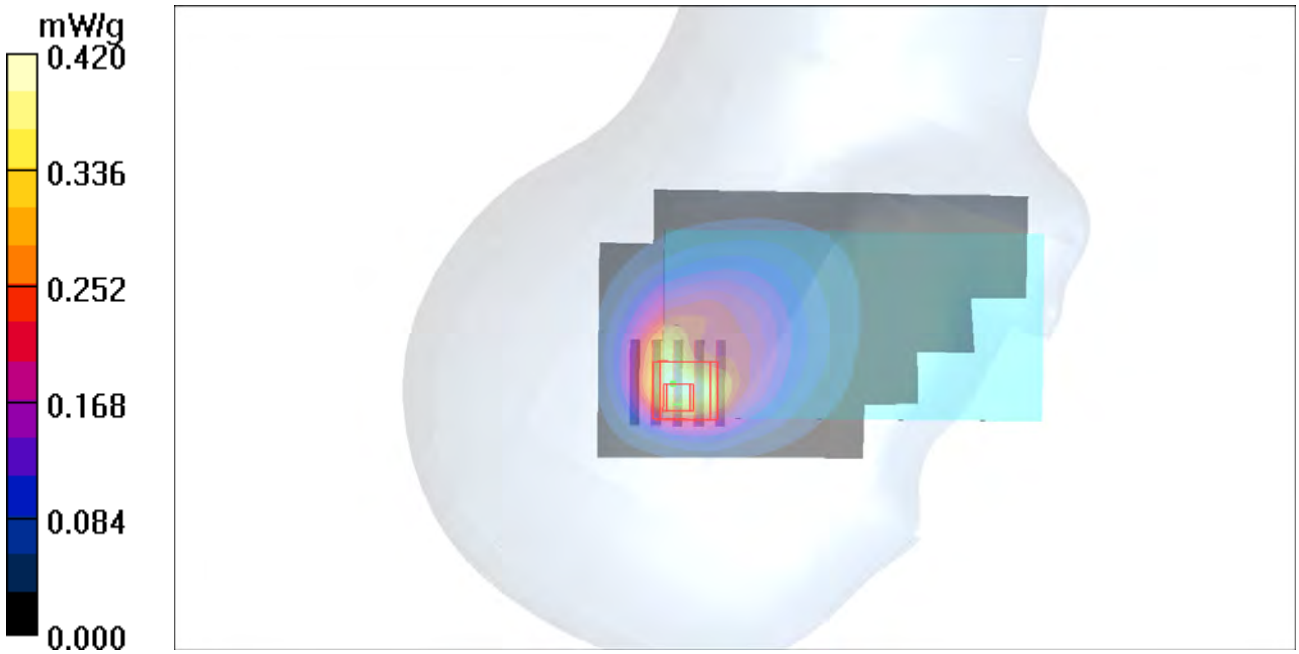
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.420 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 0.679 W/kg
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.462 mW/g



P214 LTE 13_16QAM_10M_Right Cheek_Ch23230_1 RB_Offset 0

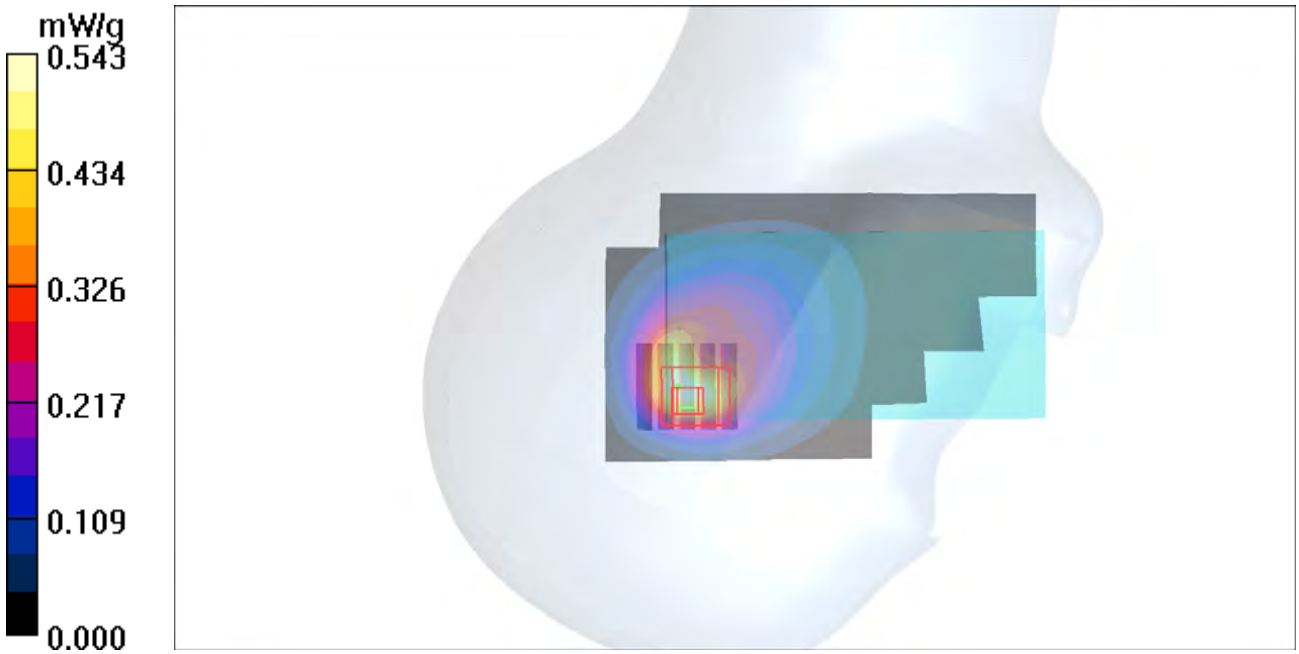
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.543 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.7 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 0.852 W/kg
SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.205 mW/g
Maximum value of SAR (measured) = 0.577 mW/g



P215 LTE 13_16QAM_10M_Right Cheek_Ch23230_1 RB_Offset 49

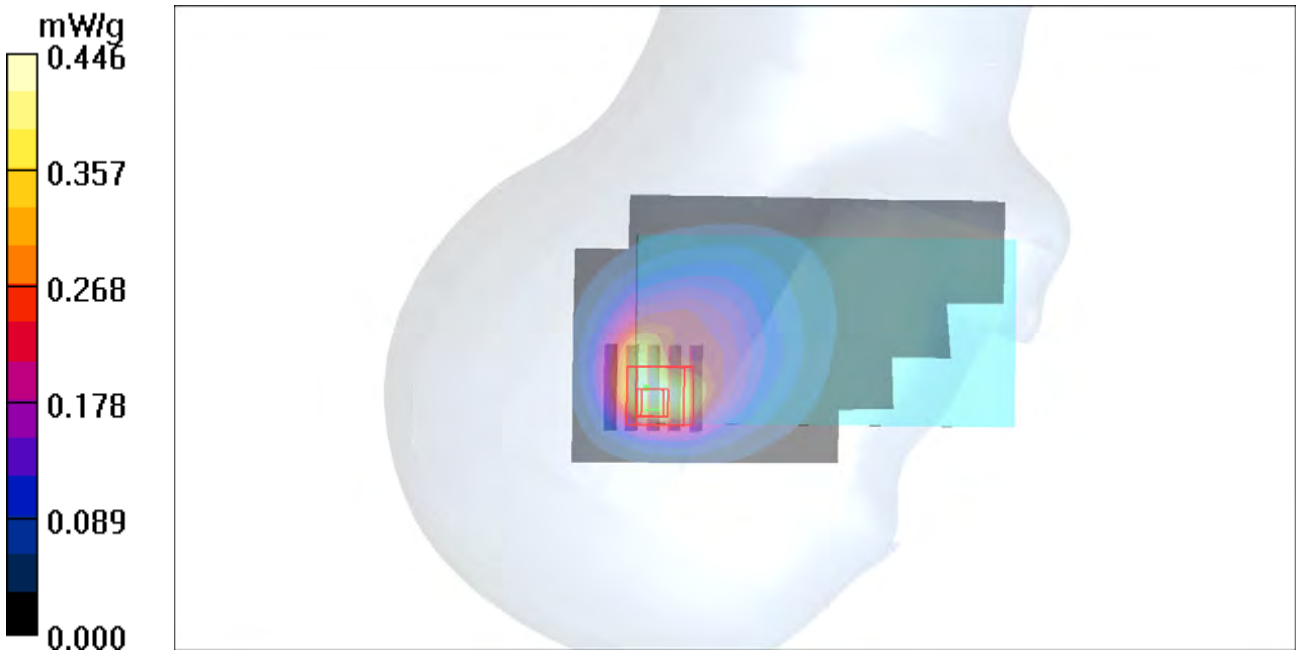
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_0814 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.446 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 0.702 W/kg
SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.486 mW/g



P272 LTE 13_16QAM_10M_Right Tilted_Ch23230_RB1_Offset_0

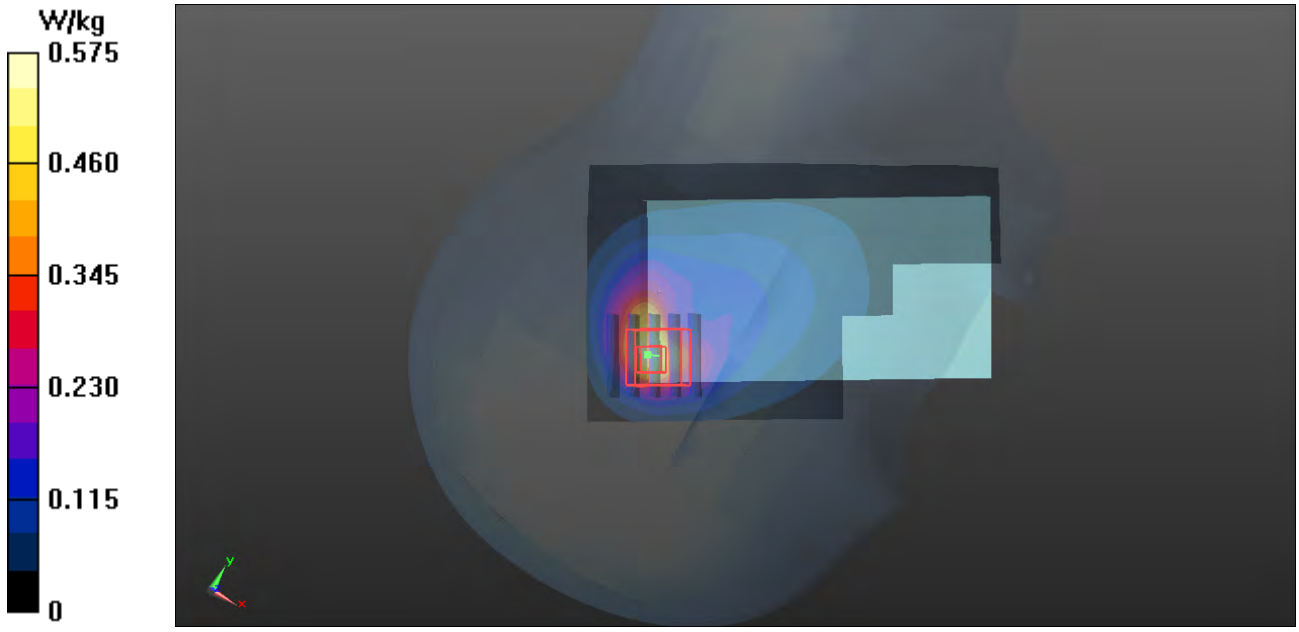
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_1022 Medium parameters used: f = 782 MHz; σ = 0.913 mho/m; ε_r = 41.385; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.575 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.919 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.835 mW/g
SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.182 mW/g
Maximum value of SAR (measured) = 0.566 W/kg



P275 LTE 13_16QAM_10M_Left Cheek_Ch23230_RB1_Offset_0

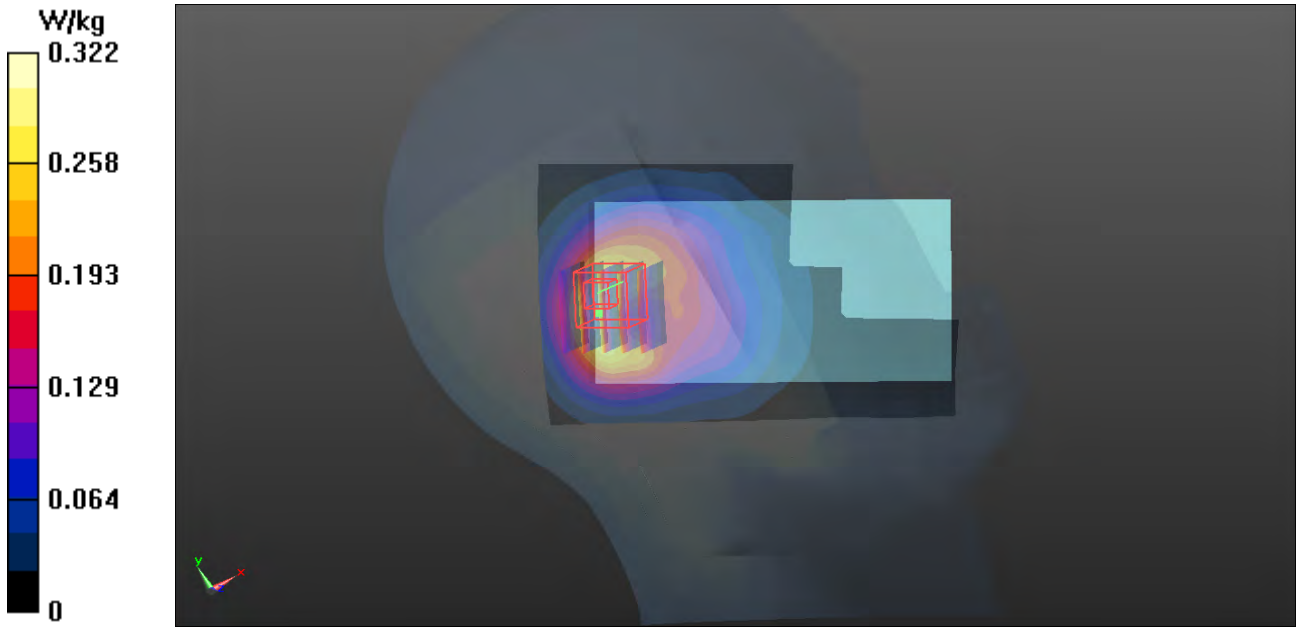
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_1022 Medium parameters used: f = 782 MHz; σ = 0.913 mho/m; ε_r = 41.385; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.322 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.631 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.422 mW/g
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 0.326 W/kg



P278 LTE 13_16QAM_10M_Left Tilted_Ch23230_RB1_Offset_0

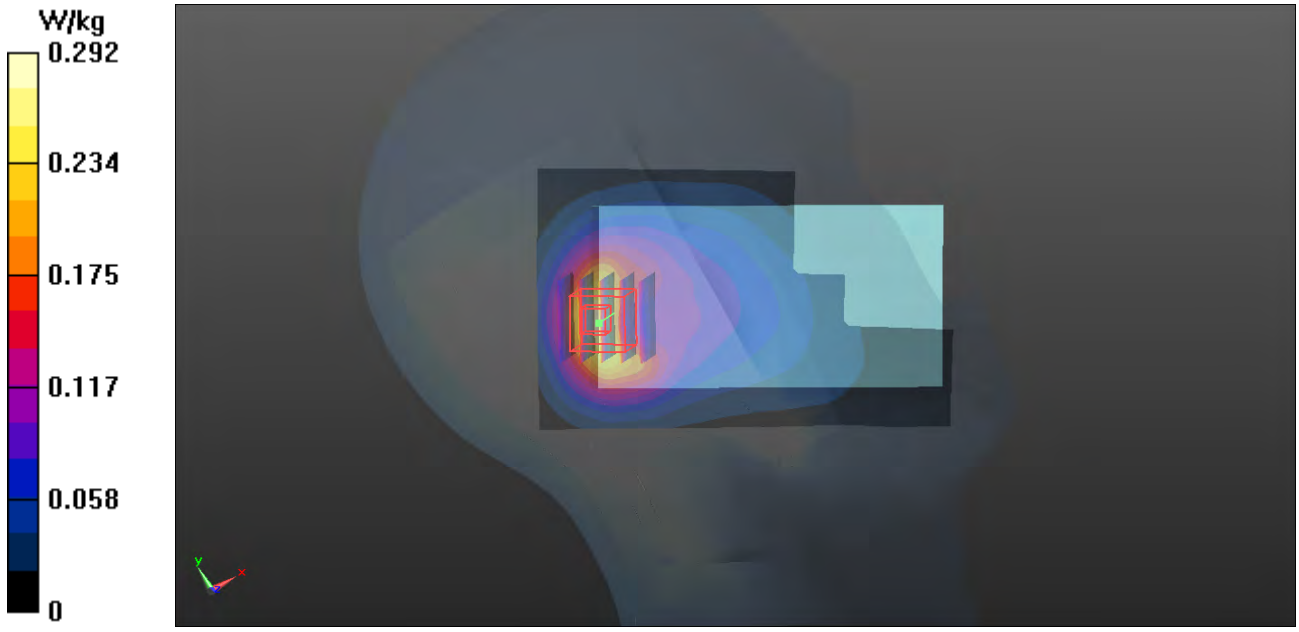
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750_1022 Medium parameters used: f = 782 MHz; σ = 0.913 mho/m; ε_r = 41.385; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.292 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.099 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.382 mW/g
SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.290 W/kg



P15 802.11b_Right Cheek_Ch11

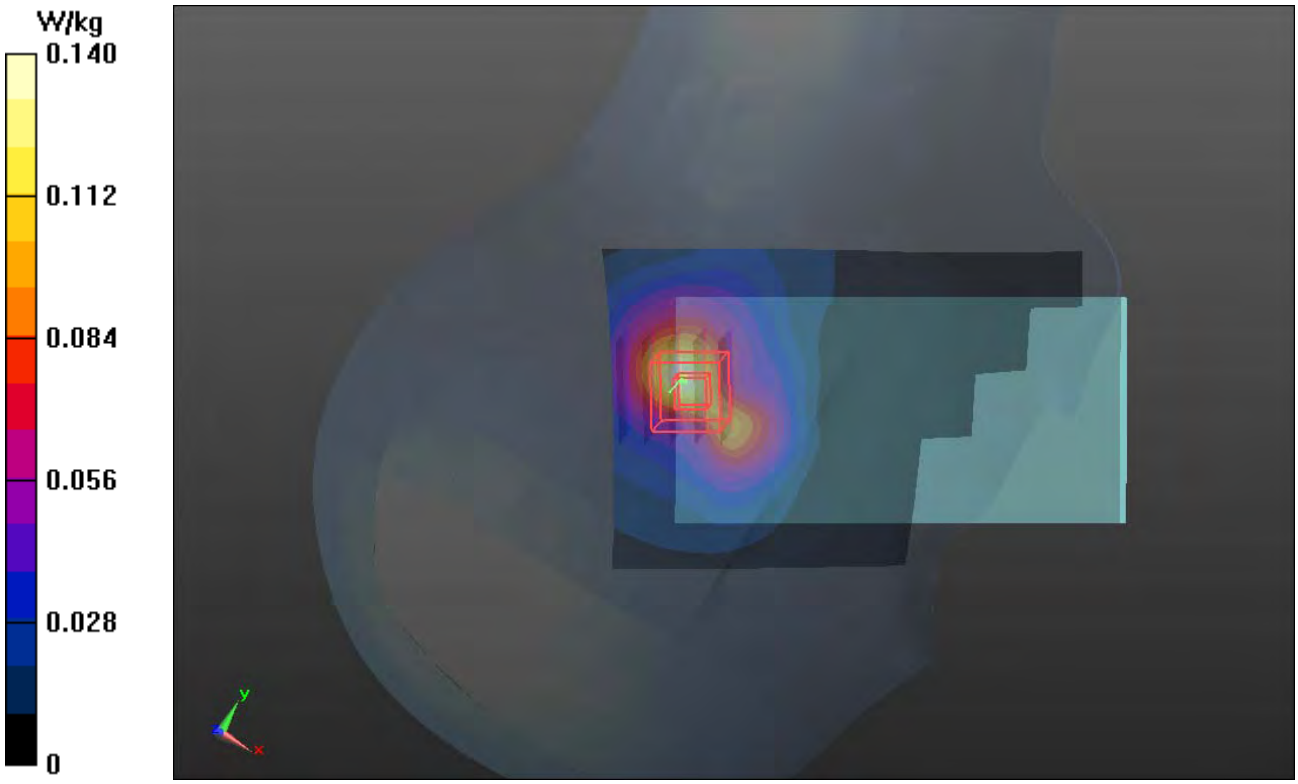
DUT: 120621C20

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0817 Medium parameters used: f = 2462 MHz; σ = 1.793 mho/m; ε_r = 40.185; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.140 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.533 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.196 mW/g
SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.147 W/kg



P02 802.11b_Right Tilted_Ch11

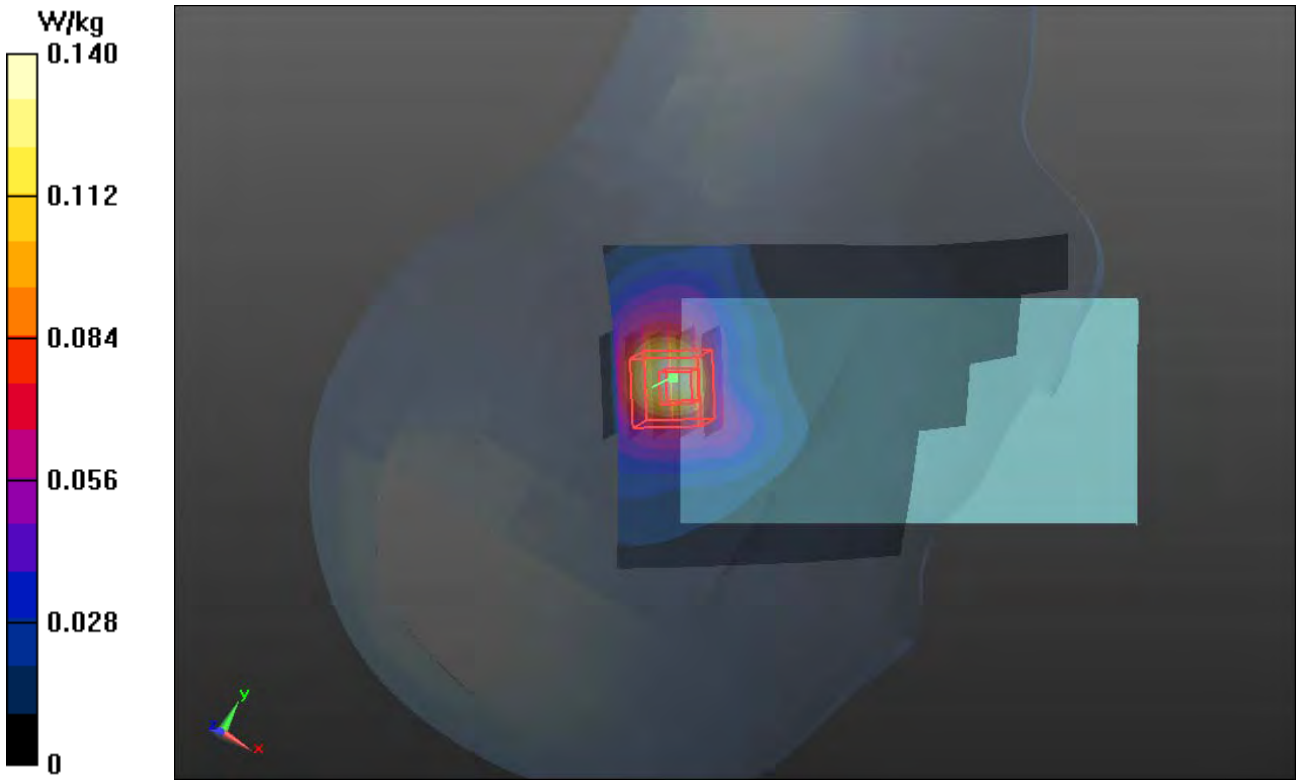
DUT: 120621C20

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0817 Medium parameters used: f = 2462 MHz; σ = 1.793 mho/m; ε_r = 40.185; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.140 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.528 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.189 mW/g
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.136 W/kg



P03 802.11b_Left Cheek_Ch11

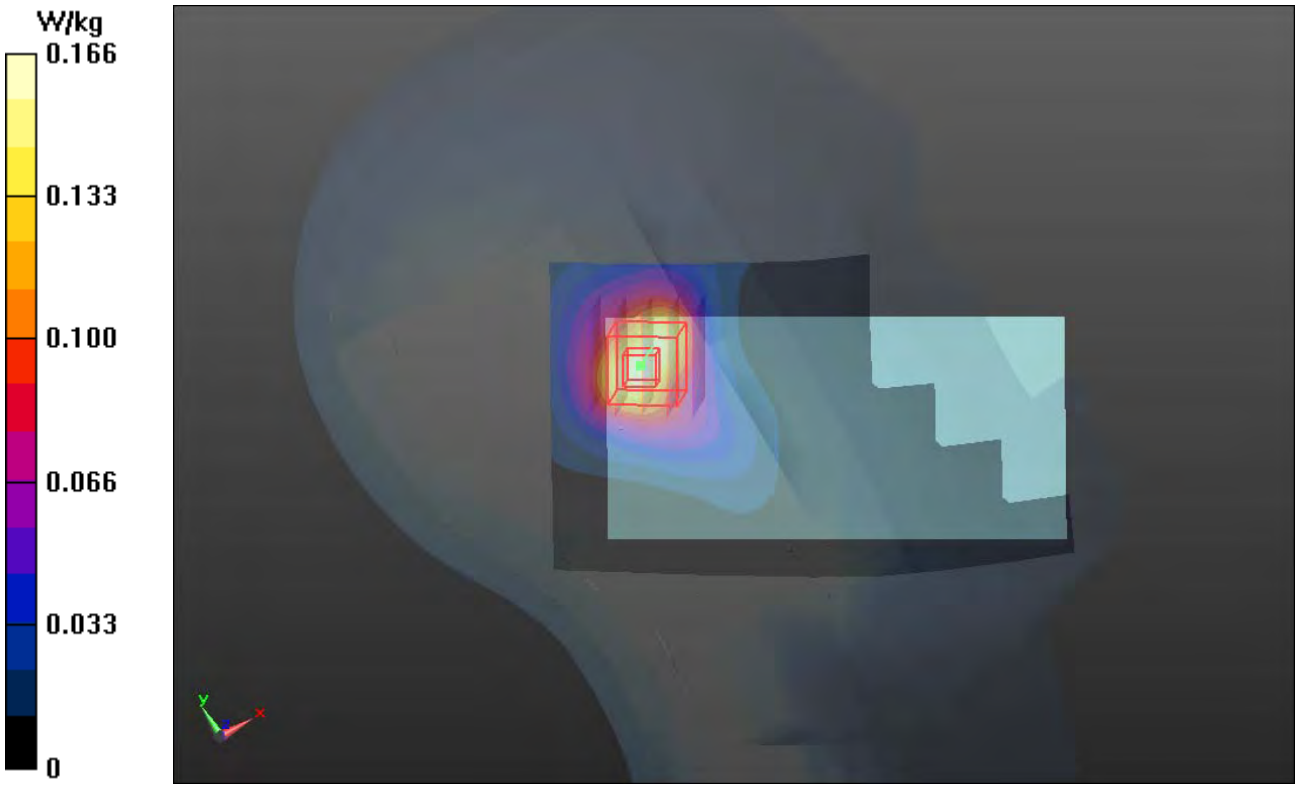
DUT: 120621C20

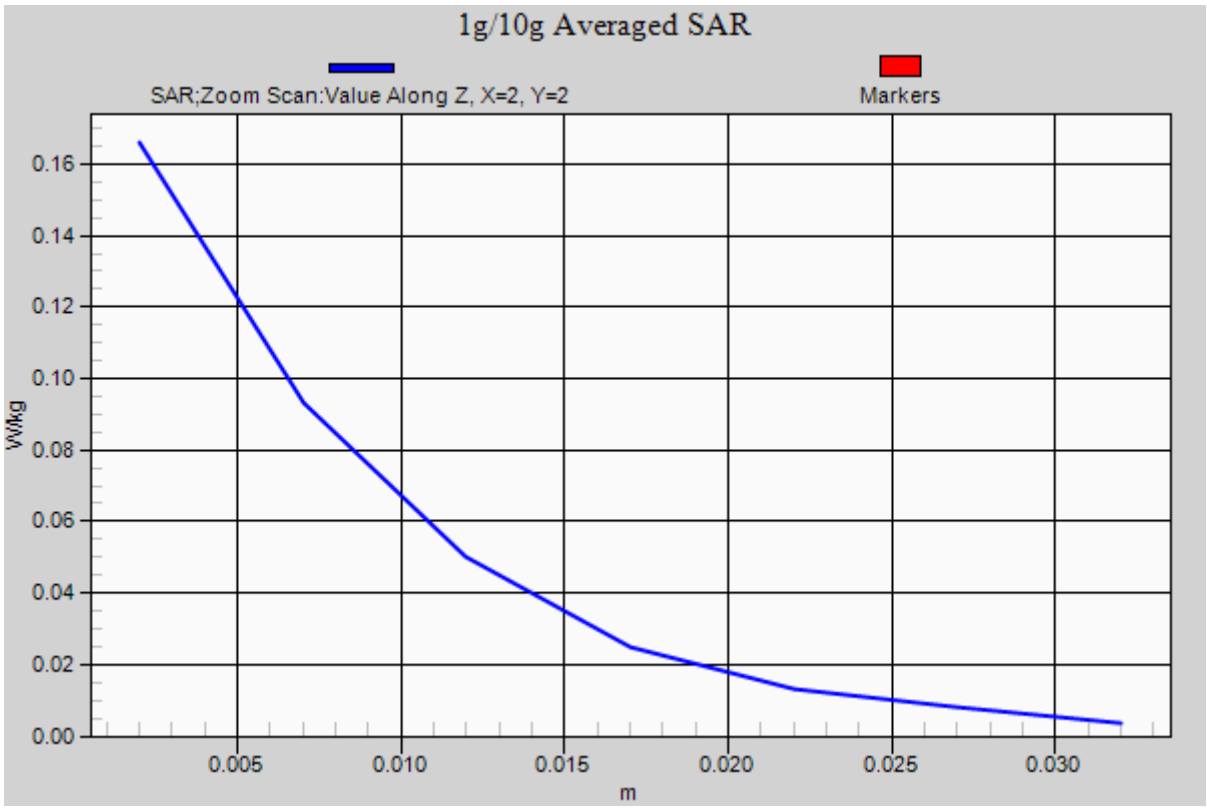
Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0817 Medium parameters used: f = 2462 MHz; σ = 1.793 mho/m; ε_r = 40.185; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.166 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.626 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.219 mW/g
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.166 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
W/kg
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0.005
0.010
0.015
0.020
0.025
0.030
m

P04 802.11b_Left Tilted_Ch11

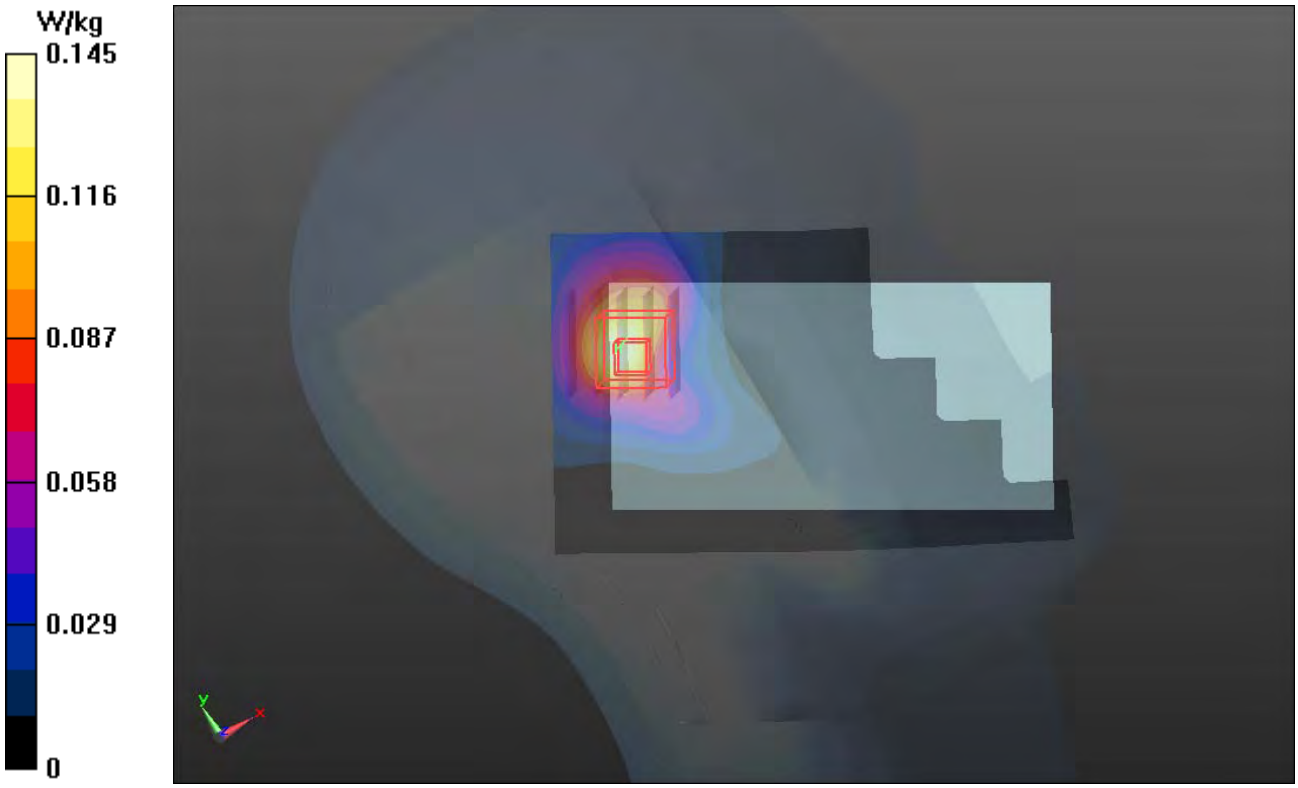
DUT: 120621C20

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0817 Medium parameters used: f = 2462 MHz; σ = 1.793 mho/m; ε_r = 40.185; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.145 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.172 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.202 mW/g
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.050 mW/g
Maximum value of SAR (measured) = 0.138 W/kg



P05 802.11a_Right Cheek_Ch36

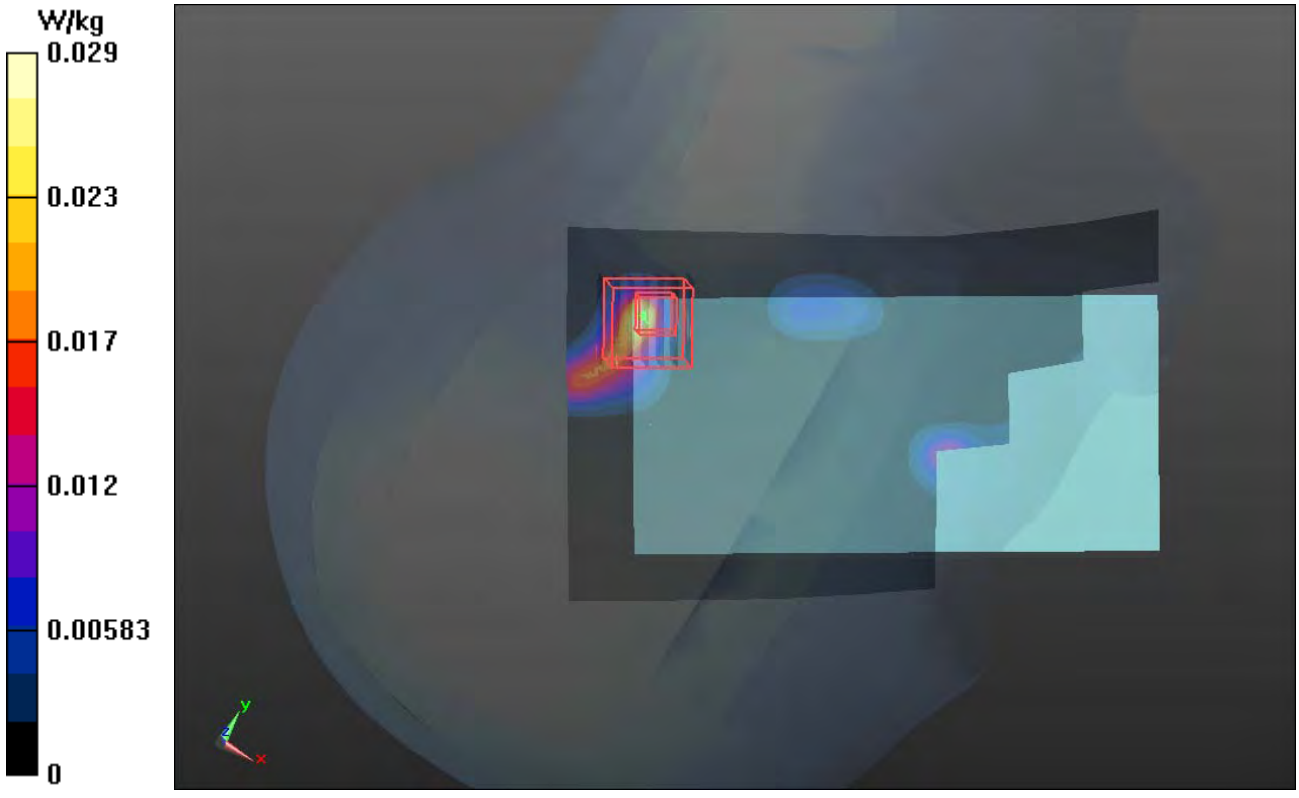
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5180 MHz; σ = 4.68 mho/m; ε_r = 37.138; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.64, 5.64, 5.64); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0291 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.845 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.260 mW/g
SAR(1 g) = 0.00798 mW/g; SAR(10 g) = 0.00109 mW/g
Maximum value of SAR (measured) = 0.260 W/kg



P06 802.11a_Right Tilted_Ch36

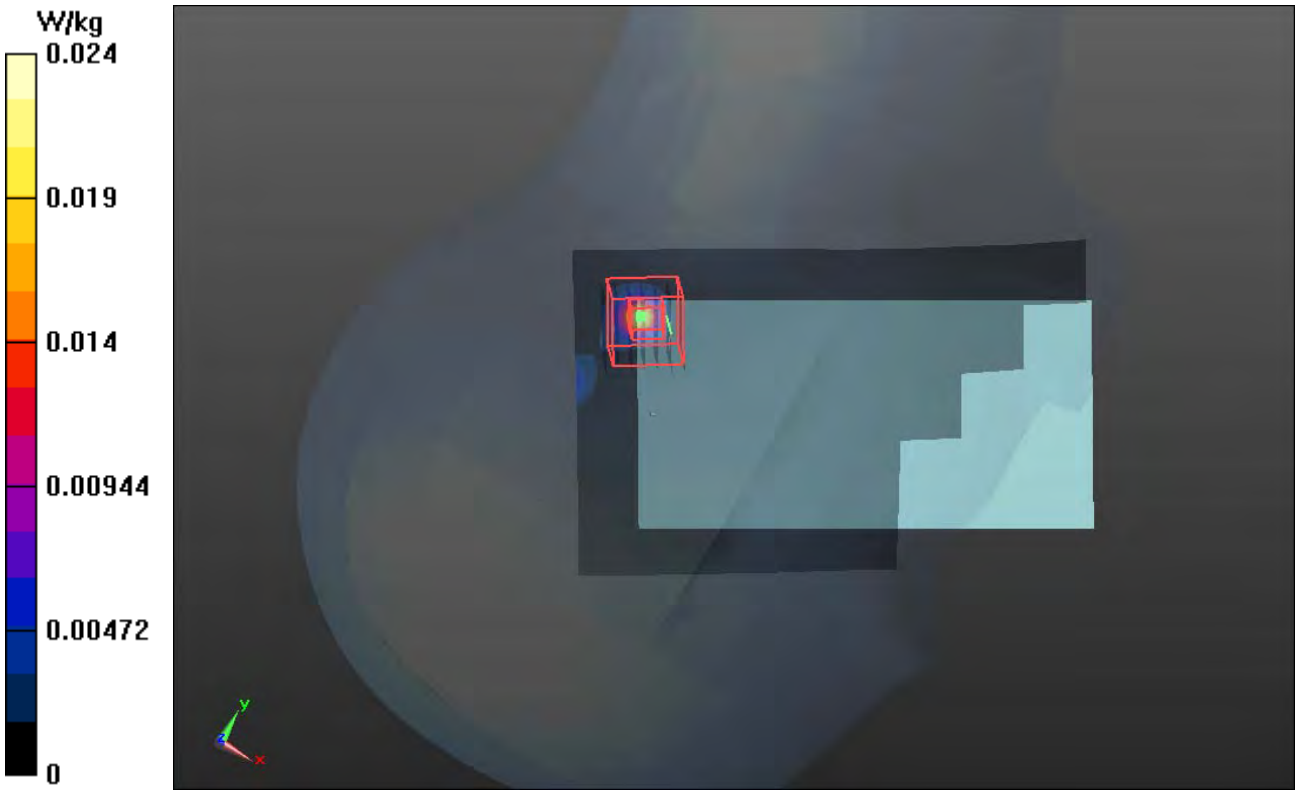
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5180 MHz; σ = 4.68 mho/m; ε_r = 37.138; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.64, 5.64, 5.64); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0236 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.540 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.130 mW/g
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00317 mW/g
Maximum value of SAR (measured) = 0.130 W/kg



P07 802.11a_Left Cheek_Ch36

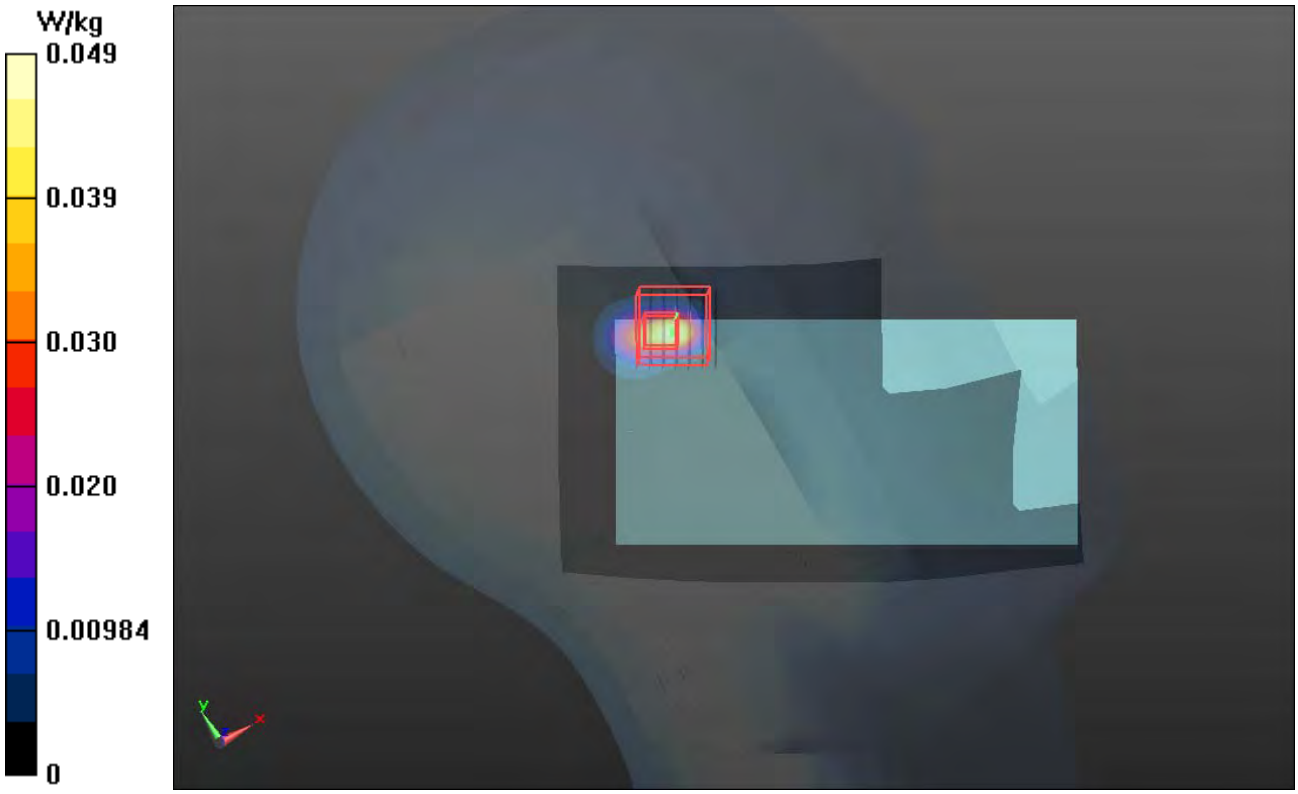
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5180 MHz; σ = 4.68 mho/m; ε_r = 37.138; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.64, 5.64, 5.64); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0492 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.068 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.401 mW/g
SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.00808 mW/g
Maximum value of SAR (measured) = 0.401 W/kg



P08 802.11a_Left Tilted_Ch36

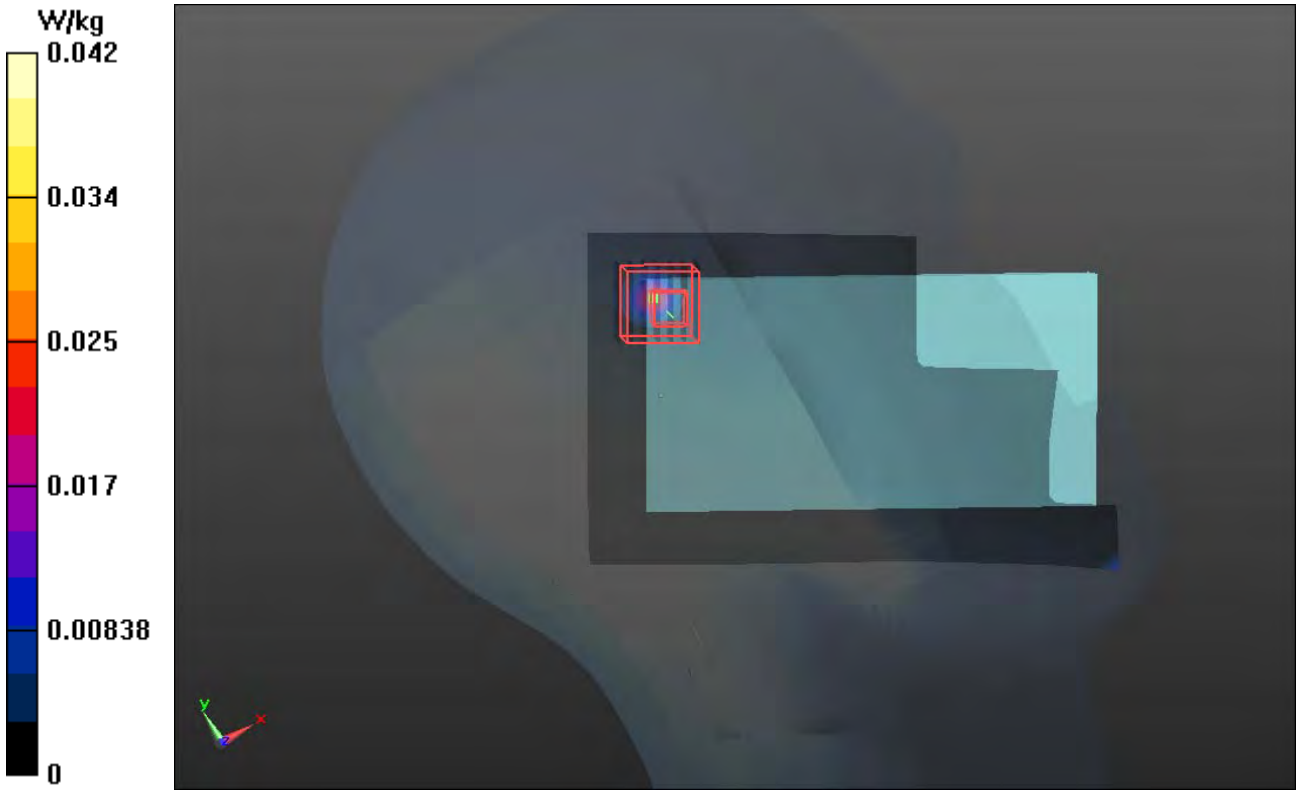
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5180 MHz; σ = 4.68 mho/m; ε_r = 37.138; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.64, 5.64, 5.64); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0277 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.141 V/m; Power Drift = 0.079 dB
Peak SAR (extrapolated) = 0.102 mW/g
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00559 mW/g
Maximum value of SAR (measured) = 0.0419 W/kg



P09 802.11a_Right Cheek_Ch52

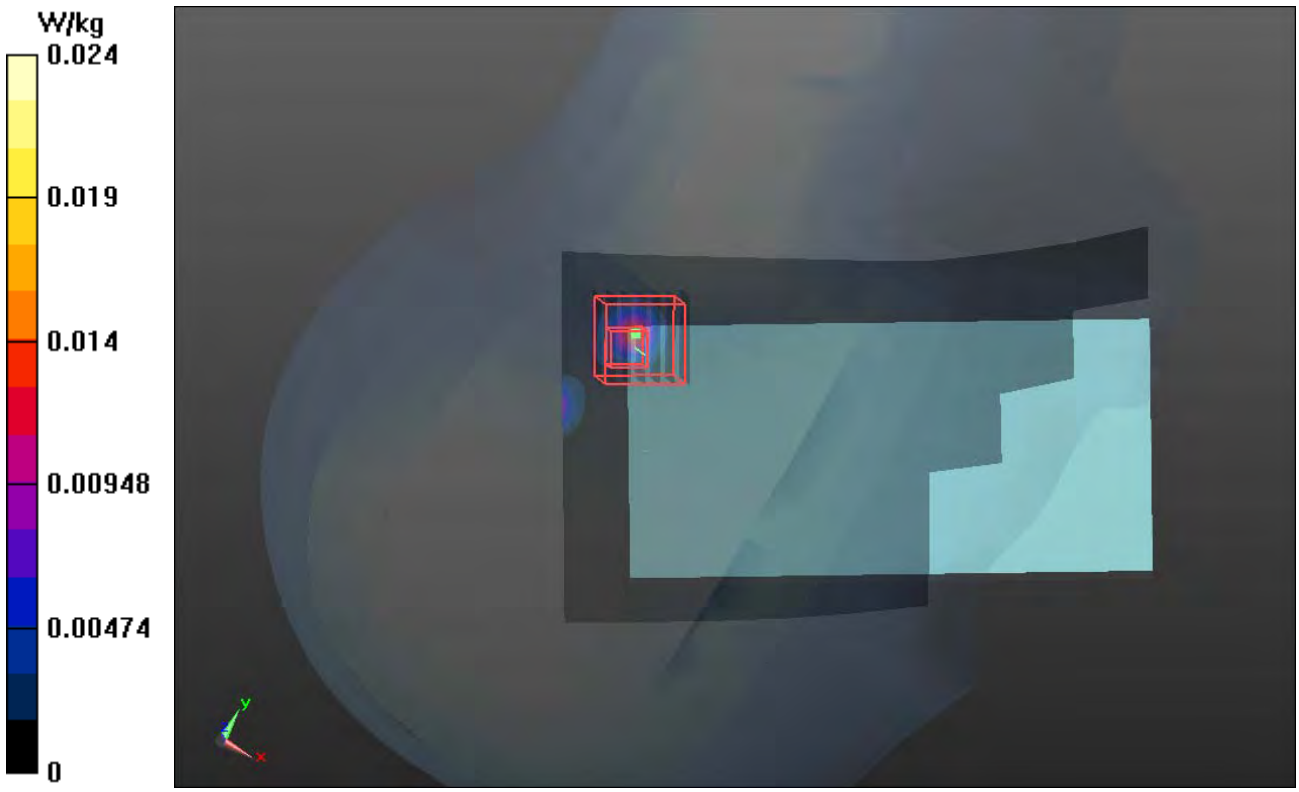
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5260 MHz; σ = 4.78 mho/m; ε_r = 36.94; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.32, 5.32, 5.32); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch52/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0155 W/kg

Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.437 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 0.088 mW/g
SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00312 mW/g
Maximum value of SAR (measured) = 0.0237 W/kg



P10 802.11a_Right Tilted_Ch52

DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5260 MHz; σ = 4.78 mho/m; ε_r = 36.94; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.32, 5.32, 5.32); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch52/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0267 W/kg

Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.896 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 0.126 mW/g
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00366 mW/g
1Maximum value of SAR (measured) = 0.0230 W/kg

P11 802.11a_Left Cheek_Ch52

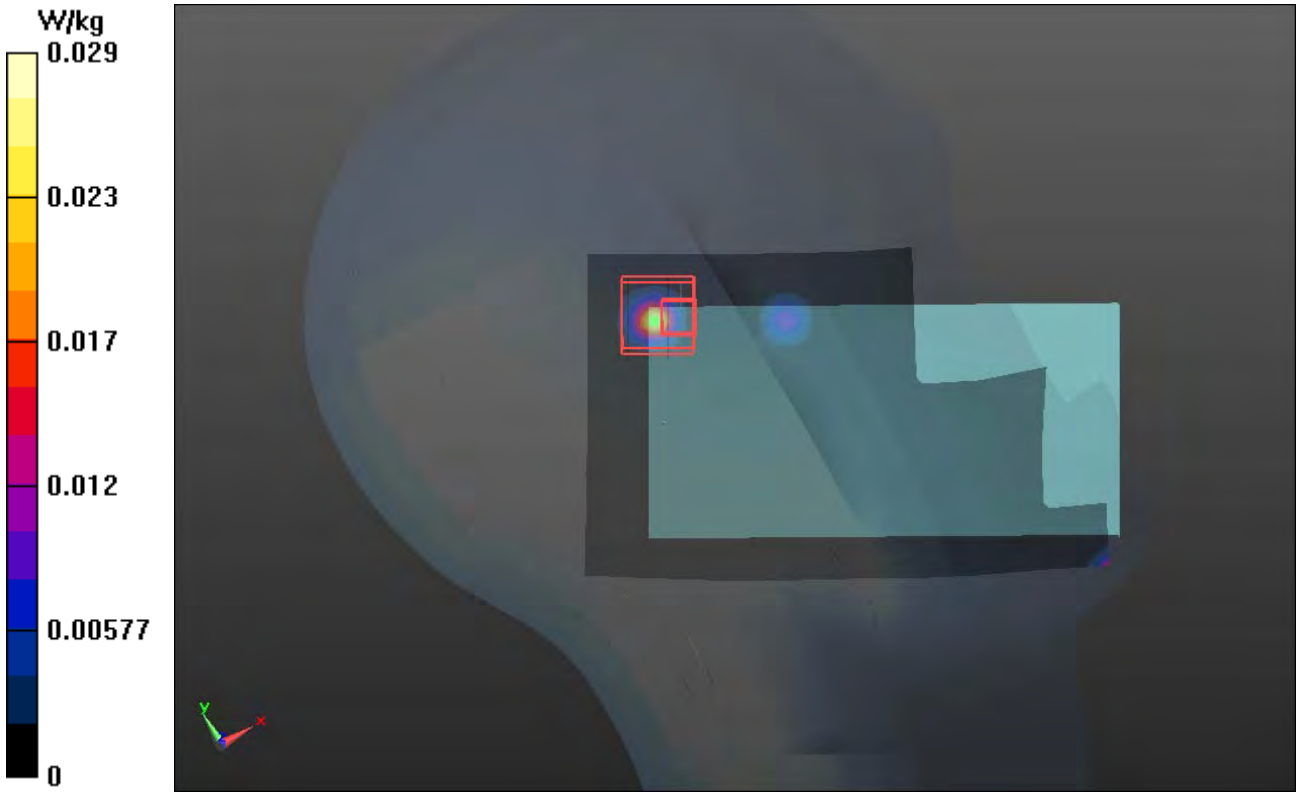
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5260 MHz; σ = 4.78 mho/m; ε_r = 36.94; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.32, 5.32, 5.32); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch52/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0289 W/kg

Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.421 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.149 mW/g
SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.00589 mW/g
Maximum value of SAR (measured) = 0.149 W/kg



P12 802.11a_Left Tilted_Ch52

DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5260 MHz; σ = 4.78 mho/m; ε_r = 36.94; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.32, 5.32, 5.32); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch52/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0143 W/kg

Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.501 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.026 mW/g
SAR(1 g) = 0.000269 mW/g; SAR(10 g) = n.a.
Maximum value of SAR (measured) = 0.0148 W/kg

P16 802.11a_Right Cheek_Ch100

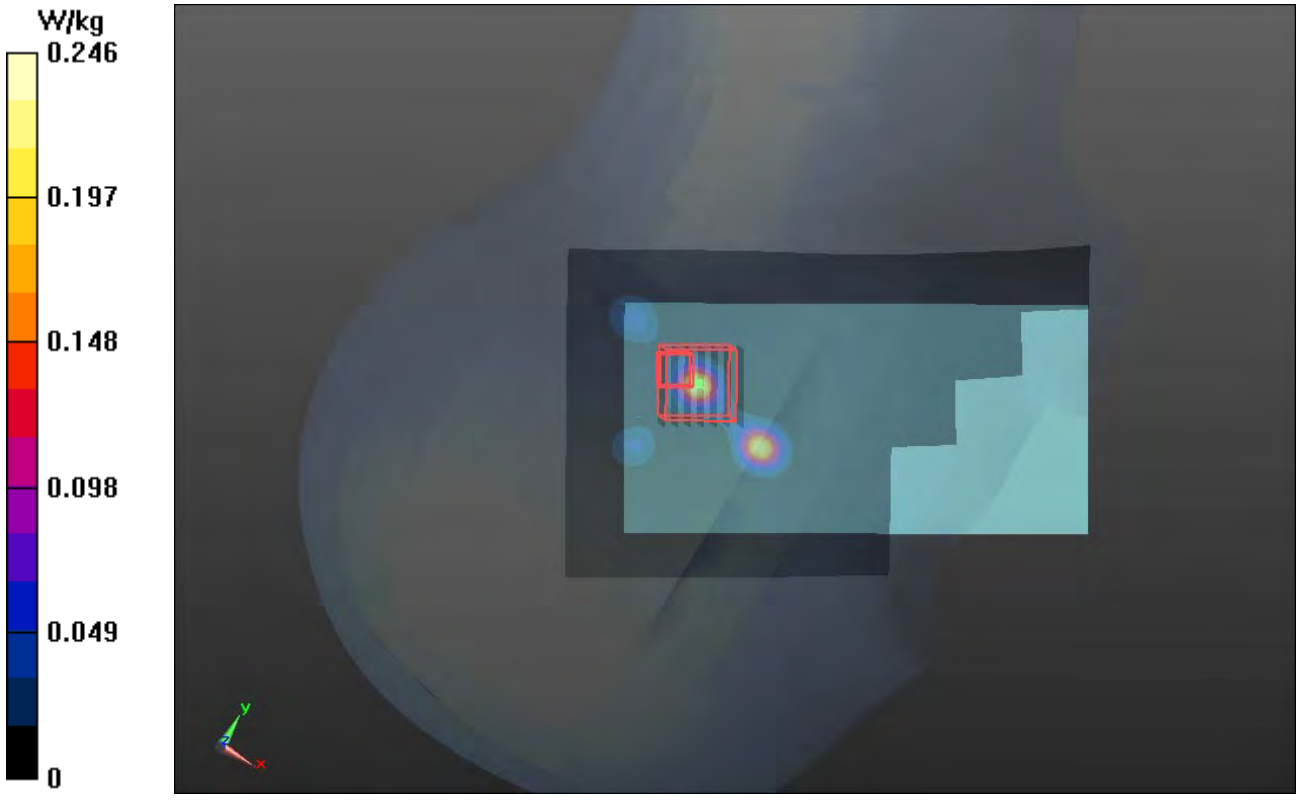
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5500 MHz; σ = 5.082 mho/m; ε_r = 36.452; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.13, 5.13, 5.13); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch100/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.246 W/kg

Ch100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.920 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.057 mW/g
SAR(1 g) = 0.0011 mW/g; SAR(10 g) = 0.000114 mW/g
Maximum value of SAR (measured) = 0.0144 W/kg



P17 802.11a_Right Tilted_Ch100

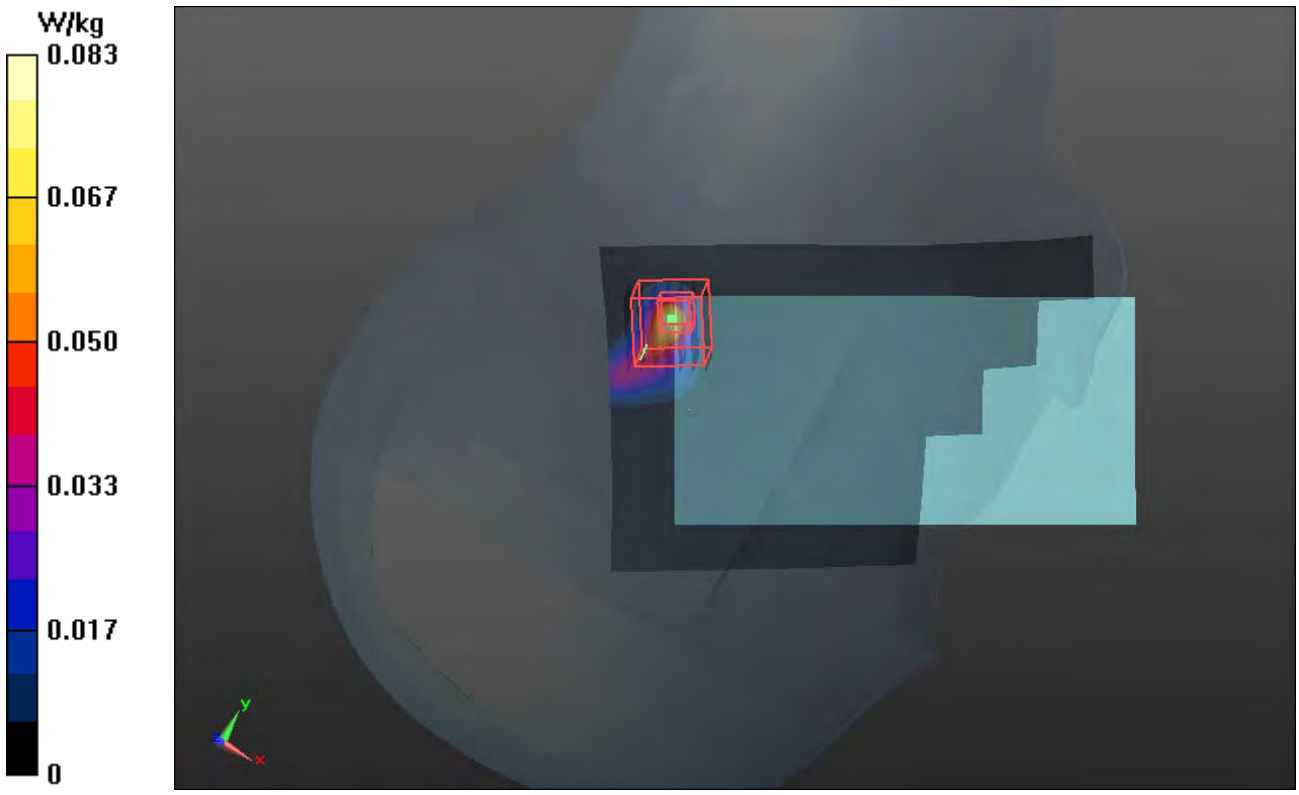
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5500 MHz; σ = 5.082 mho/m; ε_r = 36.452; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.13, 5.13, 5.13); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch100/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0834 W/kg

Ch100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.047 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 0.128 mW/g
SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.00659 mW/g
Maximum value of SAR (measured) = 0.159 W/kg



P18 802.11a_Left Cheek_Ch100

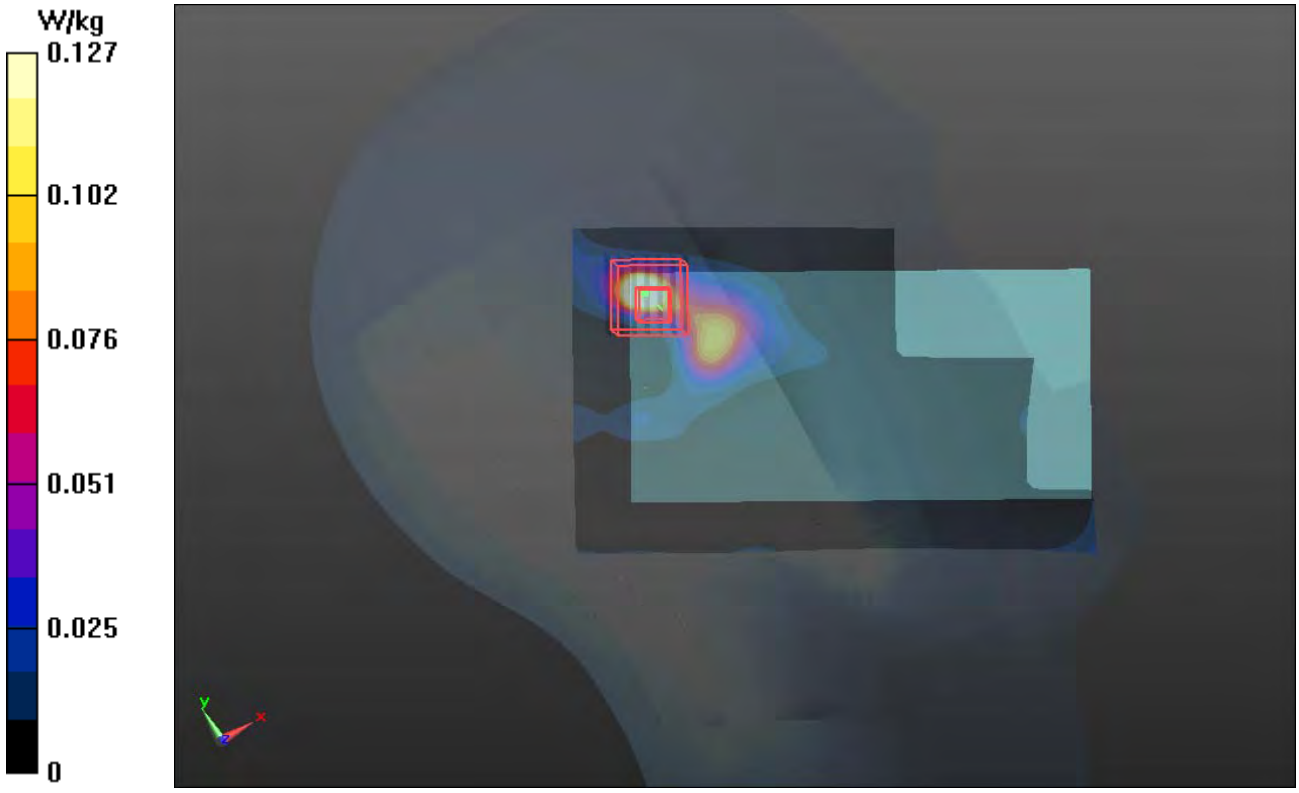
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5500 MHz; σ = 5.082 mho/m; ε_r = 36.452; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.13, 5.13, 5.13); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch100/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.207 W/kg

Ch100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.402 V/m; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.274 mW/g
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.127 W/kg



P19 802.11a_Left Tilted_Ch100

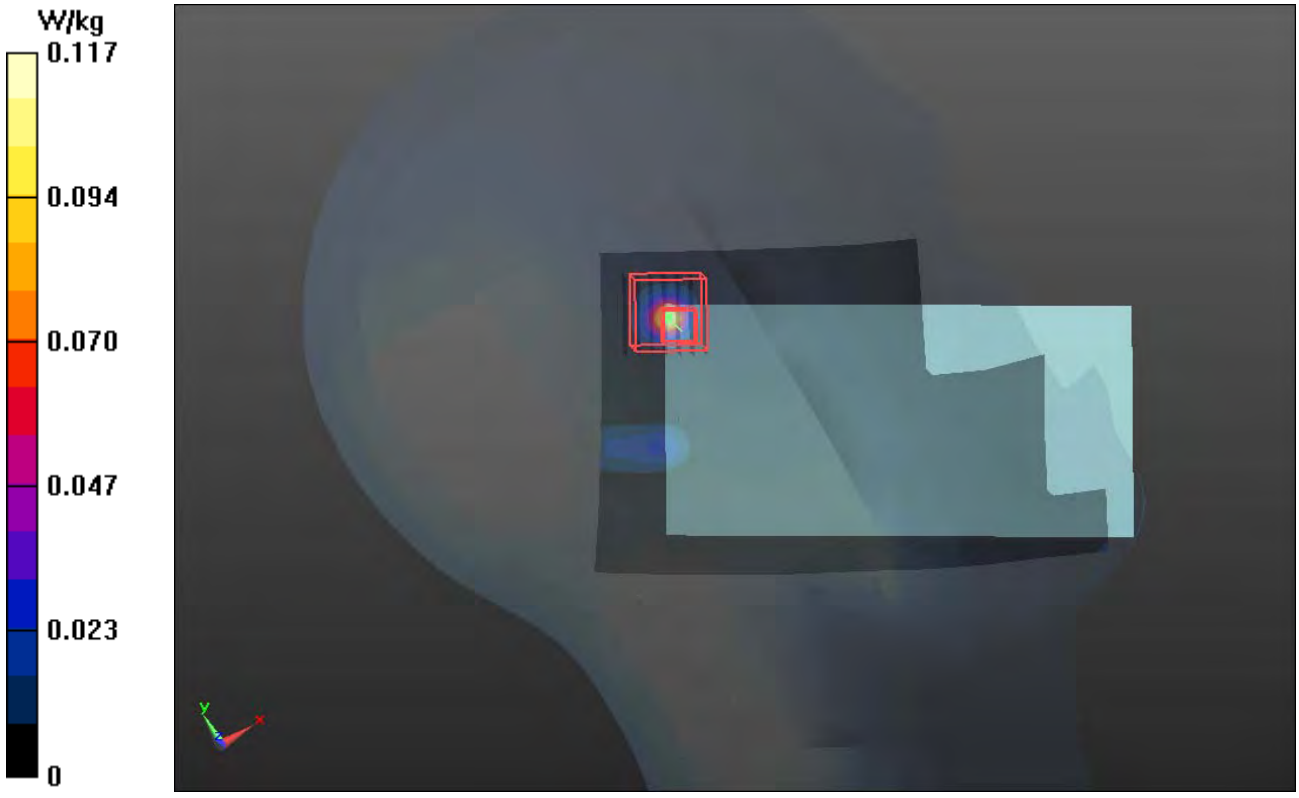
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5500 MHz; σ = 5.082 mho/m; ε_r = 36.452; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.13, 5.13, 5.13); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch100/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.119 W/kg

Ch100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.479 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 0.442 mW/g
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.117 W/kg



P140 802.11a_Right Cheek_Ch149

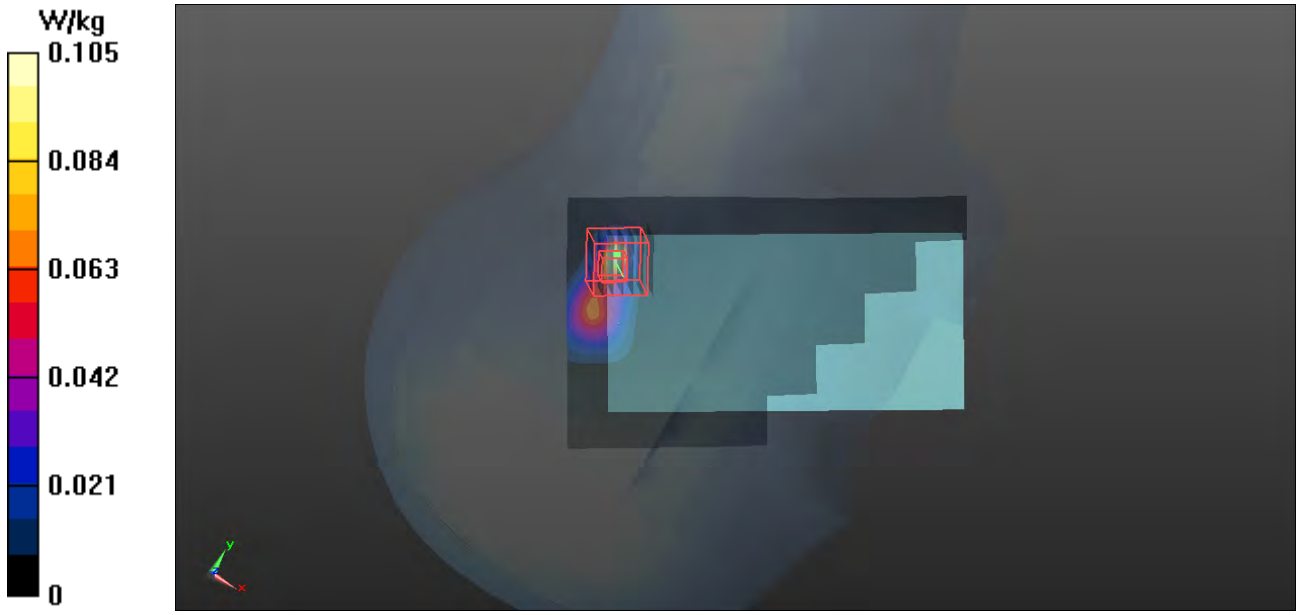
DUT: 120621C20

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: H5G_1018 Medium parameters used: f = 5745 MHz; σ = 5.033 mho/m; ε_r = 36.084; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(4.44, 4.44, 4.44); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (101x181x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.105 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.590 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.227 mW/g
SAR(1 g) = 0.0048 mW/g; SAR(10 g) = 0.0014 mW/g
Maximum value of SAR (measured) = 0.115 W/kg



P141 802.11a_Right Tilted_Ch149

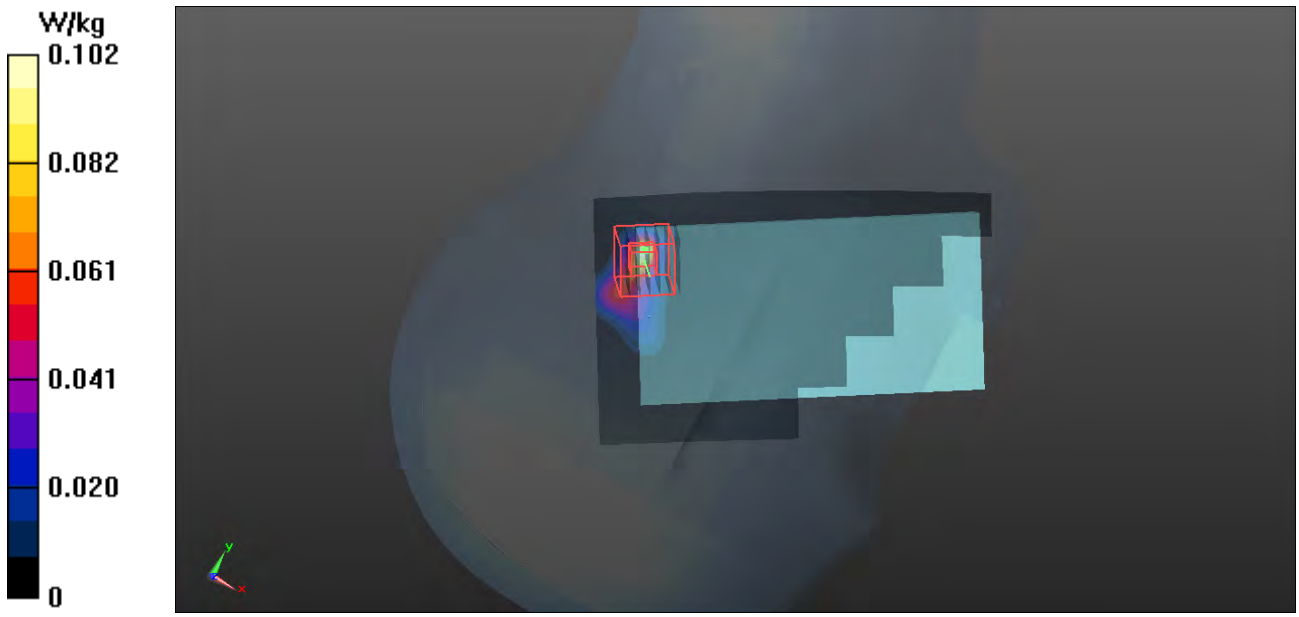
DUT: 120621C20

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: H5G_1018 Medium parameters used: f = 5745 MHz; σ = 5.033 mho/m; ε_r = 36.084; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(4.44, 4.44, 4.44); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.102 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.676 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.271 mW/g
SAR(1 g) = 0.0049 mW/g; SAR(10 g) = 0.0016 mW/g
Maximum value of SAR (measured) = 0.111 W/kg



P138 802.11a_Left Cheek_Ch149

DUT: 120621C20

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: H5G_1018 Medium parameters used: f = 5745 MHz; σ = 5.033 mho/m; ε_r = 36.084; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(4.44, 4.44, 4.44); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.145 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.234 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.819 mW/g
SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.138 W/kg

P139 802.11a_Left Tilted_Ch149

DUT: 120621C20

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: H5G_1018 Medium parameters used: f = 5745 MHz; σ = 5.033 mho/m; ε_r = 36.084; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(4.44, 4.44, 4.44); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.140 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.653 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.925 mW/g
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.152 W/kg

P101 802.11n_HT40_Right Cheek_Ch159

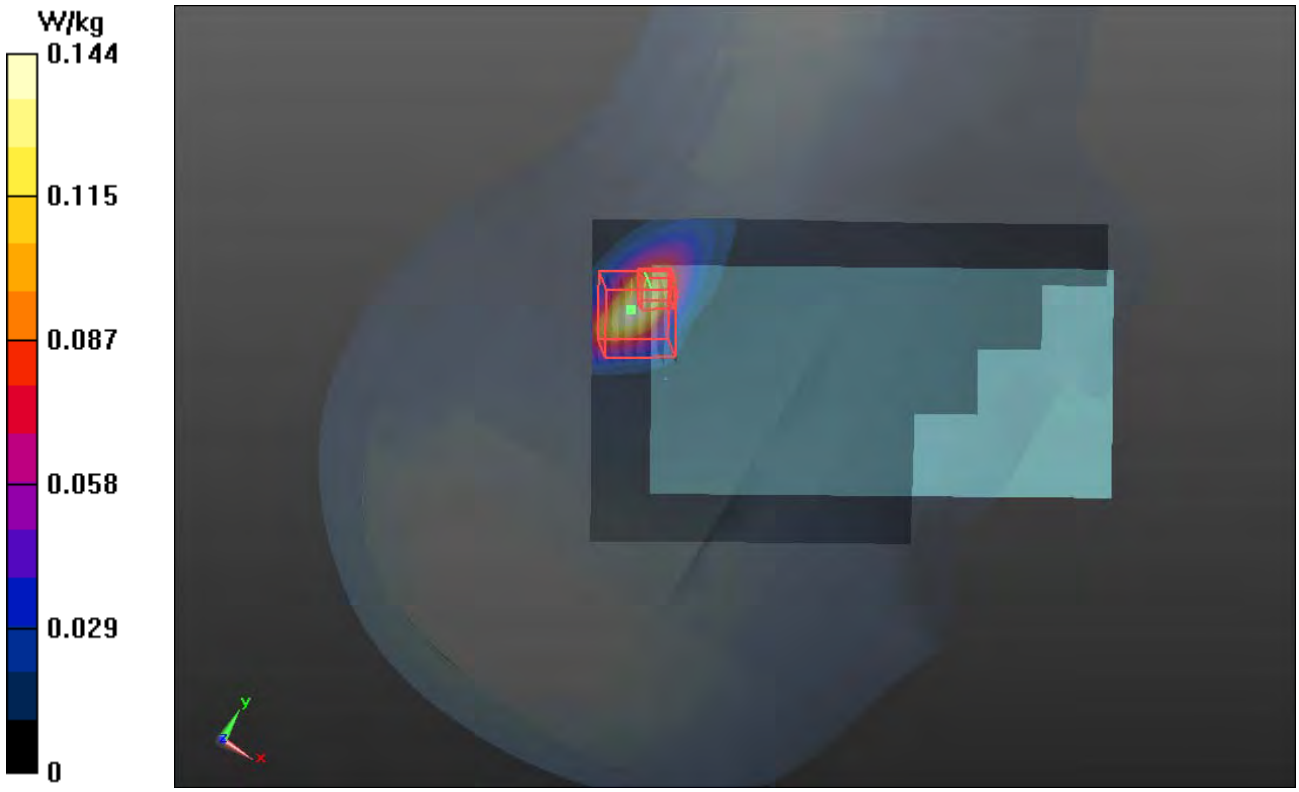
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5795 MHz; σ = 5.43 mho/m; ε_r = 35.776; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.79, 4.79, 4.79); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.144 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.114 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.745 mW/g
SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.00564 mW/g
Maximum value of SAR (measured) = 0.745 W/kg



P102 802.11n_HT40_Right Tilted_Ch159

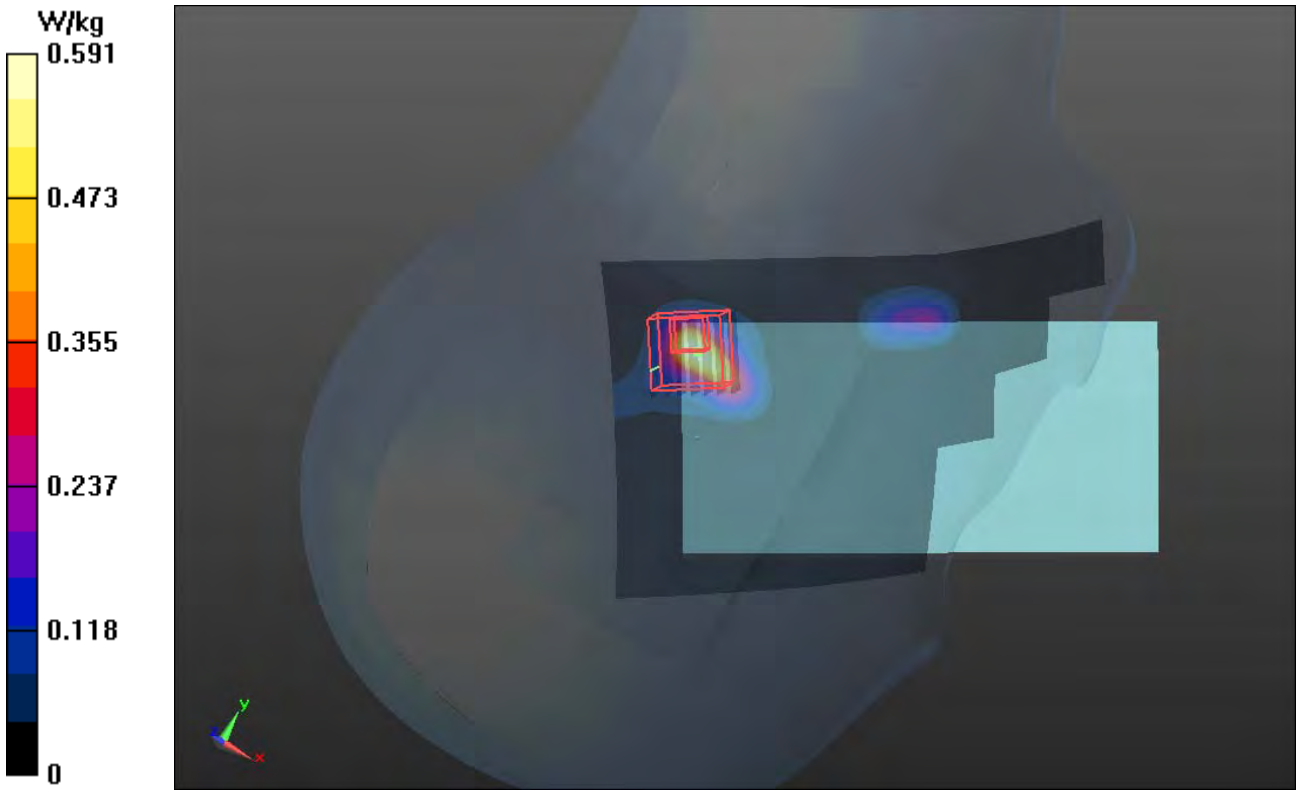
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5795 MHz; σ = 5.43 mho/m; ε_r = 35.776; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.79, 4.79, 4.79); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.591 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.471 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.270 mW/g
SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.235 W/kg



P103 802.11n_HT40_Left Cheek_Ch159

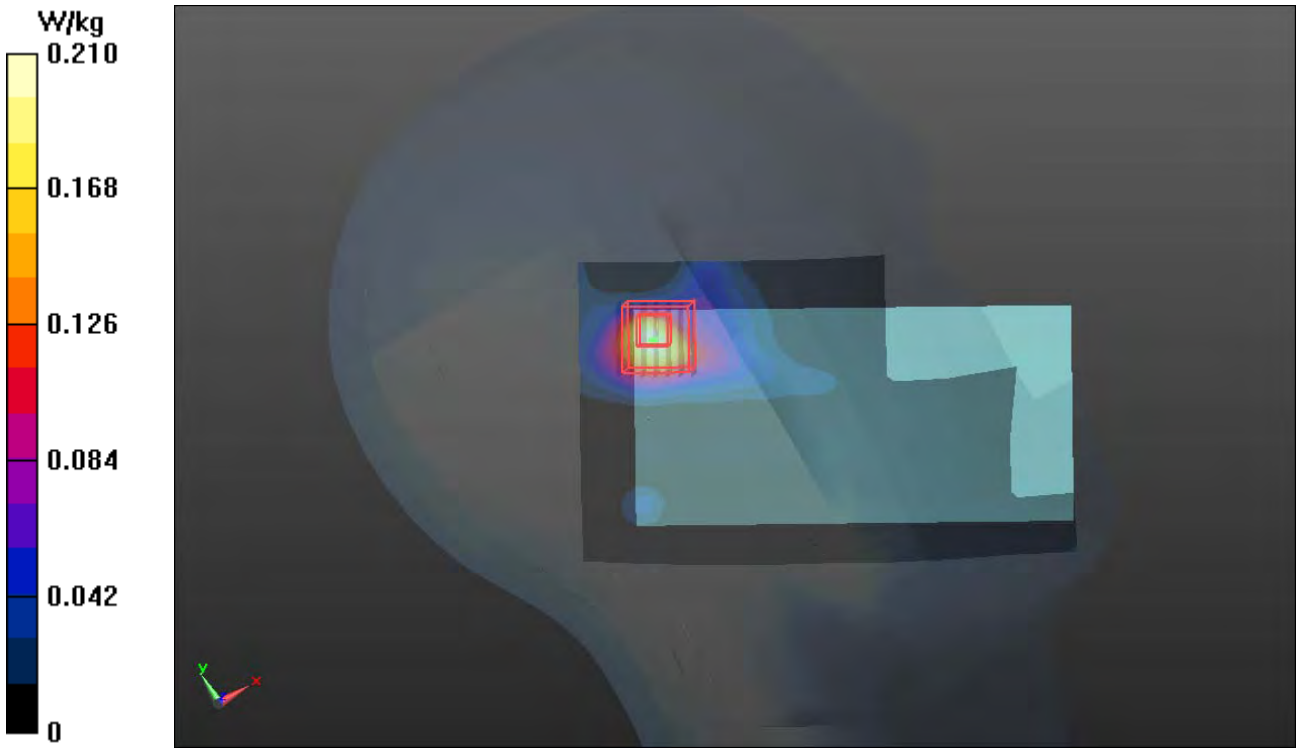
DUT: 120621C20

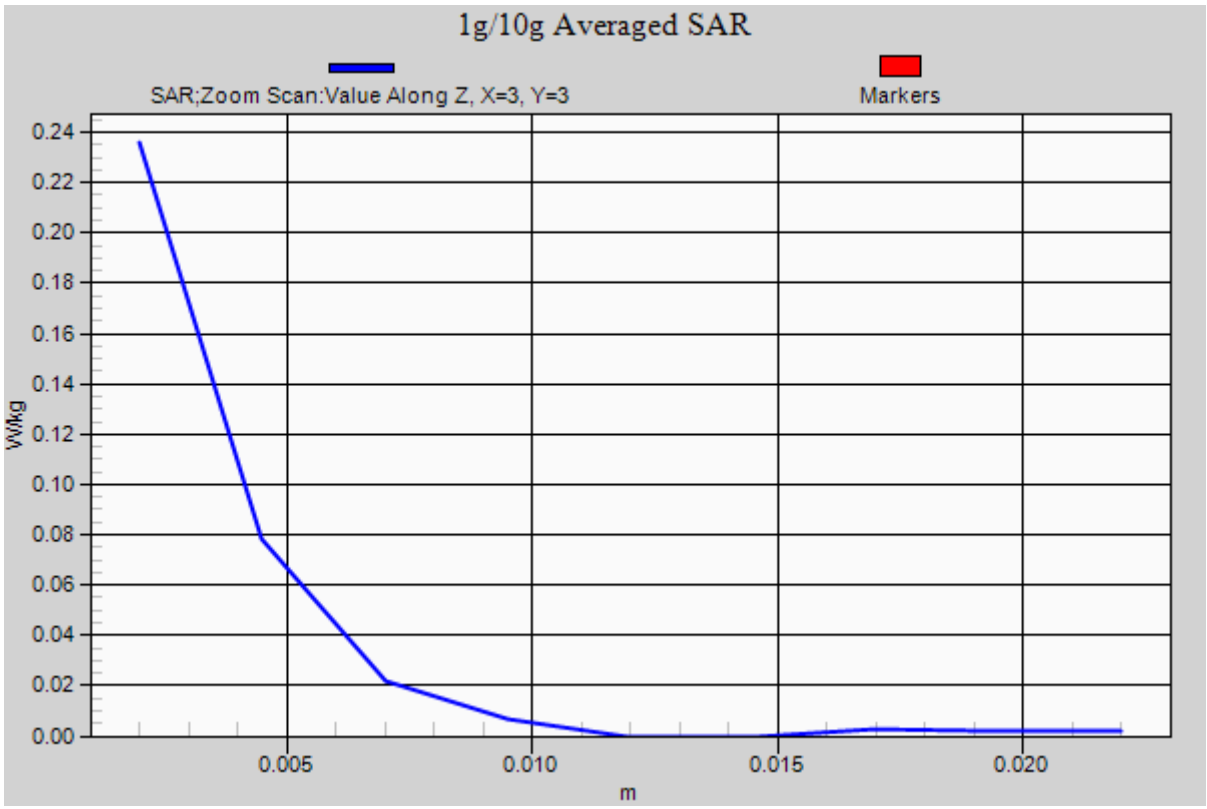
Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5795 MHz; σ = 5.43 mho/m; ε_r = 35.776; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.79, 4.79, 4.79); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.210 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.554 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.671 mW/g
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.236 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=3, Y=3
Markers
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
W/kg
0.005
0.010
0.015
0.020
m

P104 802.11n_HT40_Left Tilted_Ch159

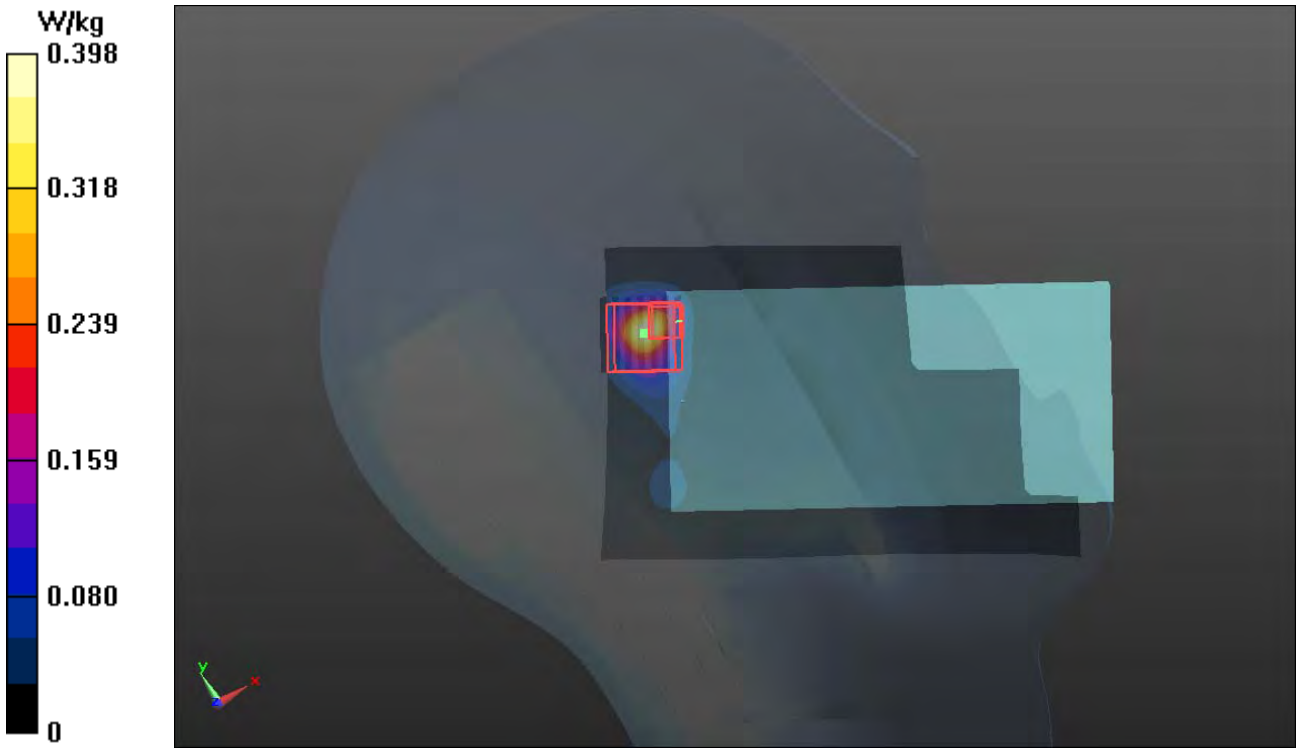
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: H5G_0817 Medium parameters used: f = 5795 MHz; σ = 5.43 mho/m; ε_r = 35.776; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.79, 4.79, 4.79); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.398 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.788 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.474 mW/g
SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.223 W/kg



P25 GSM850_GPRS11_Front Face_1cm_Ch128

DUT: 120621C20

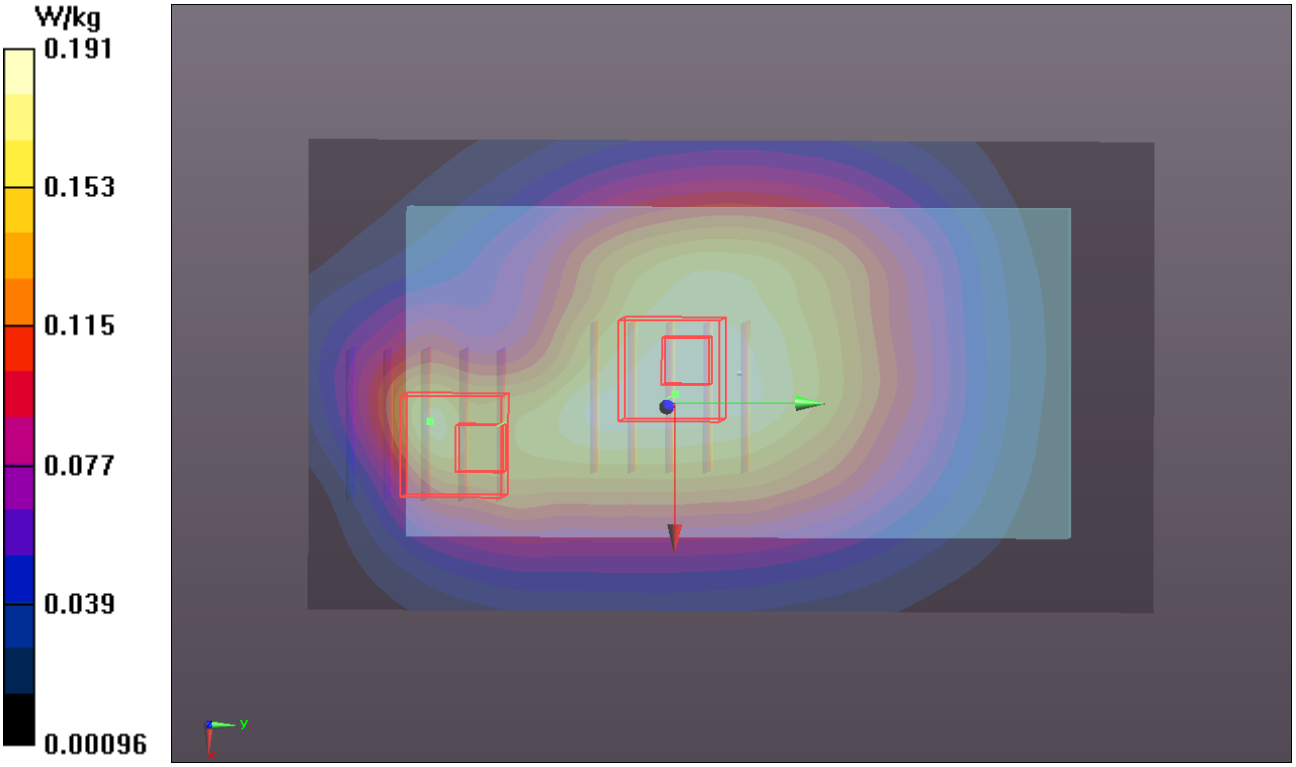
Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: B835_0815 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56.049; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.191 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.908 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.208 mW/g
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.187 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.908 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.193 mW/g
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.161 W/kg



P26 GSM850_GPRS11_Rear Face_1cm_Ch128

DUT: 120621C20

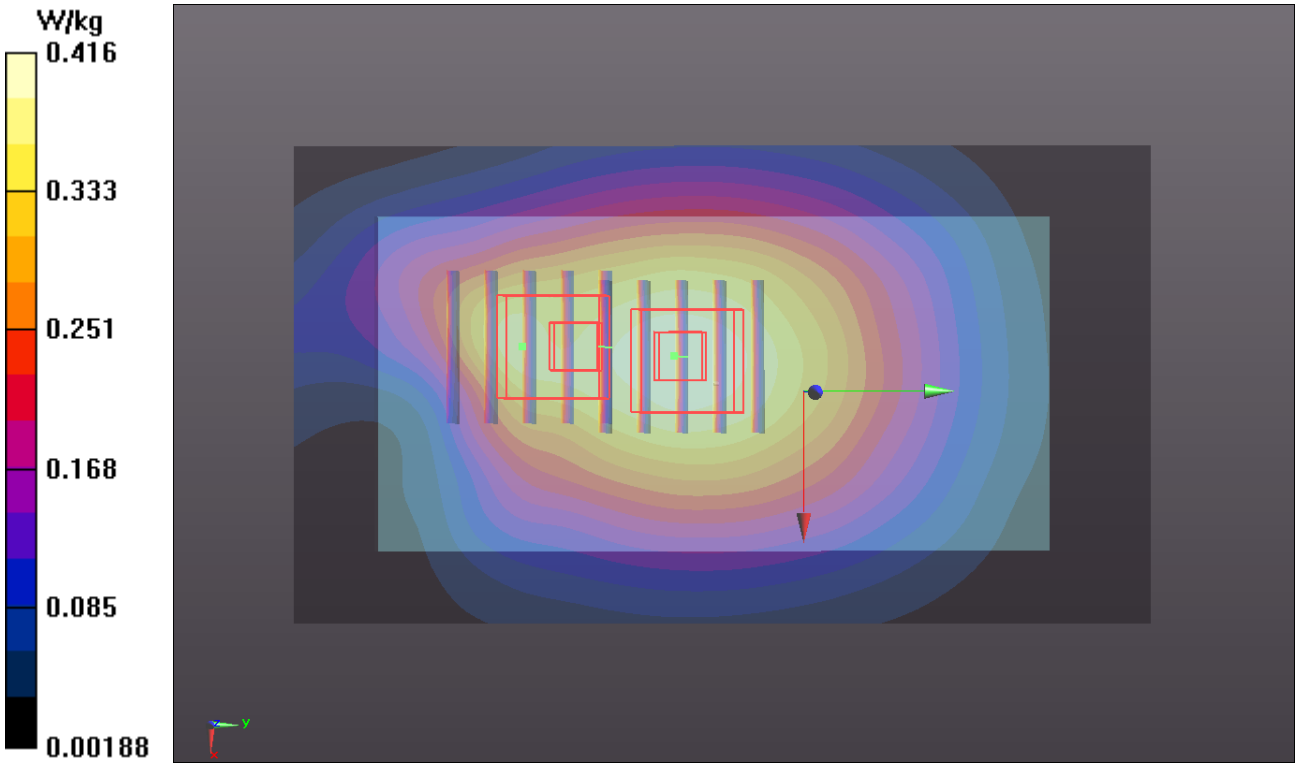
Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: B835_0815 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56.049; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

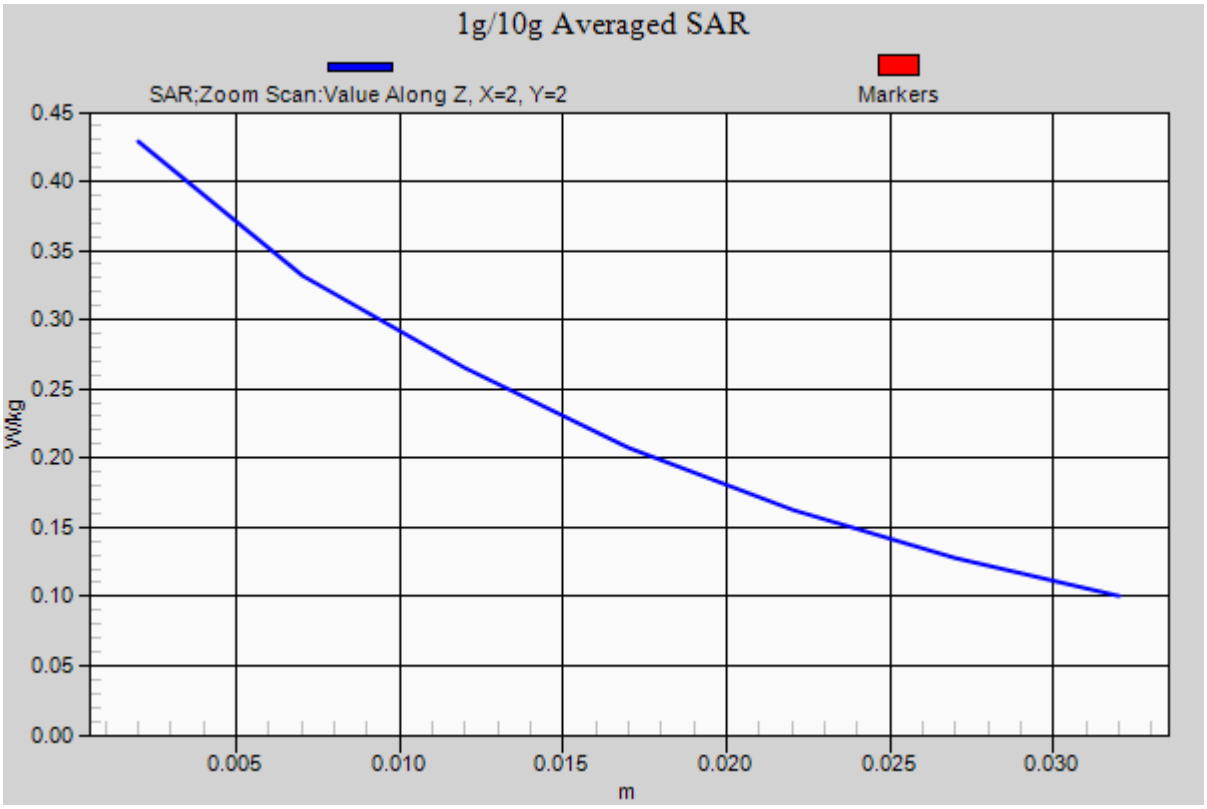
DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.416 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.444 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.476 mW/g
SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.286 mW/g
Maximum value of SAR (measured) = 0.428 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.444 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.448 mW/g
SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.221 mW/g
Maximum value of SAR (measured) = 0.391 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
W/kg
0.005
0.010
0.015
0.020
0.025
0.030
m

P27 GSM850_GPRS11_Left Side_1cm_Ch128

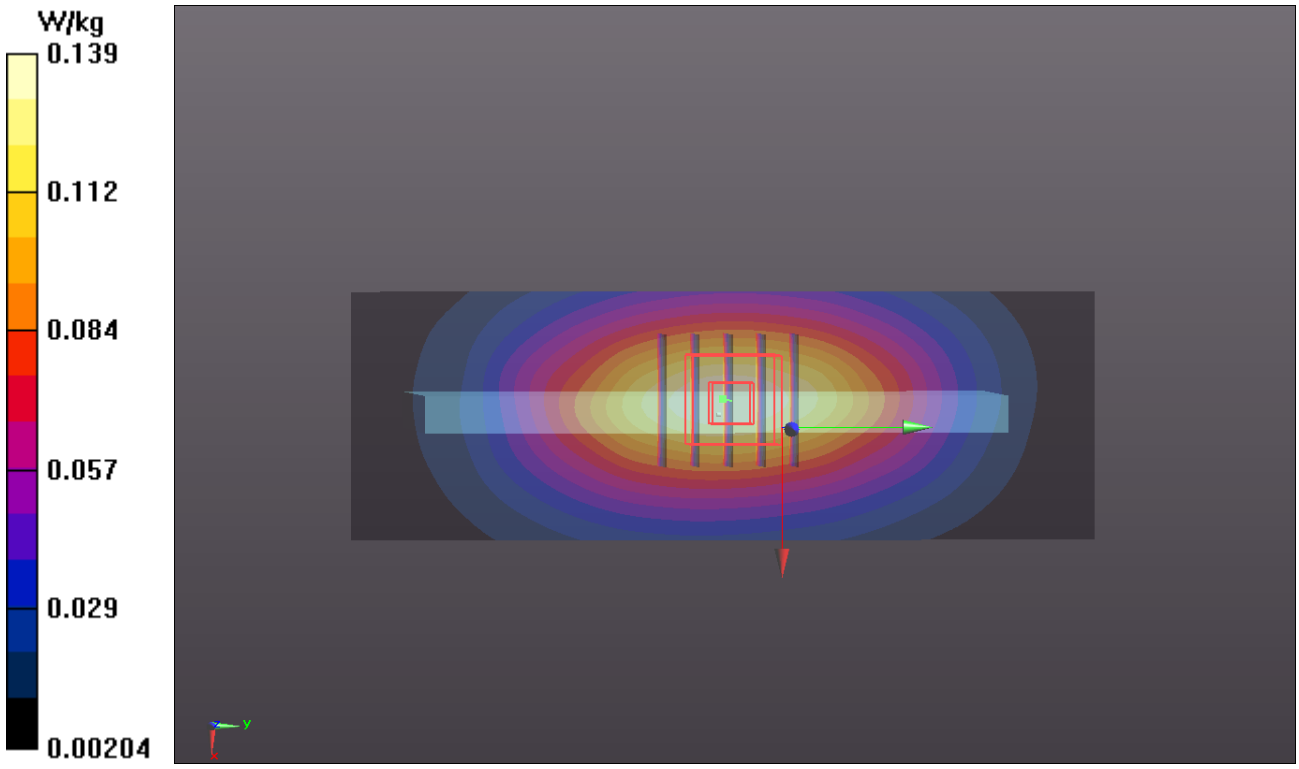
DUT: 120621C20

Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: B835_0815 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56.049; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.139 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.198 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.168 mW/g
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.146 W/kg



P28 GSM850_GPRS11_Right Side_1cm_Ch128

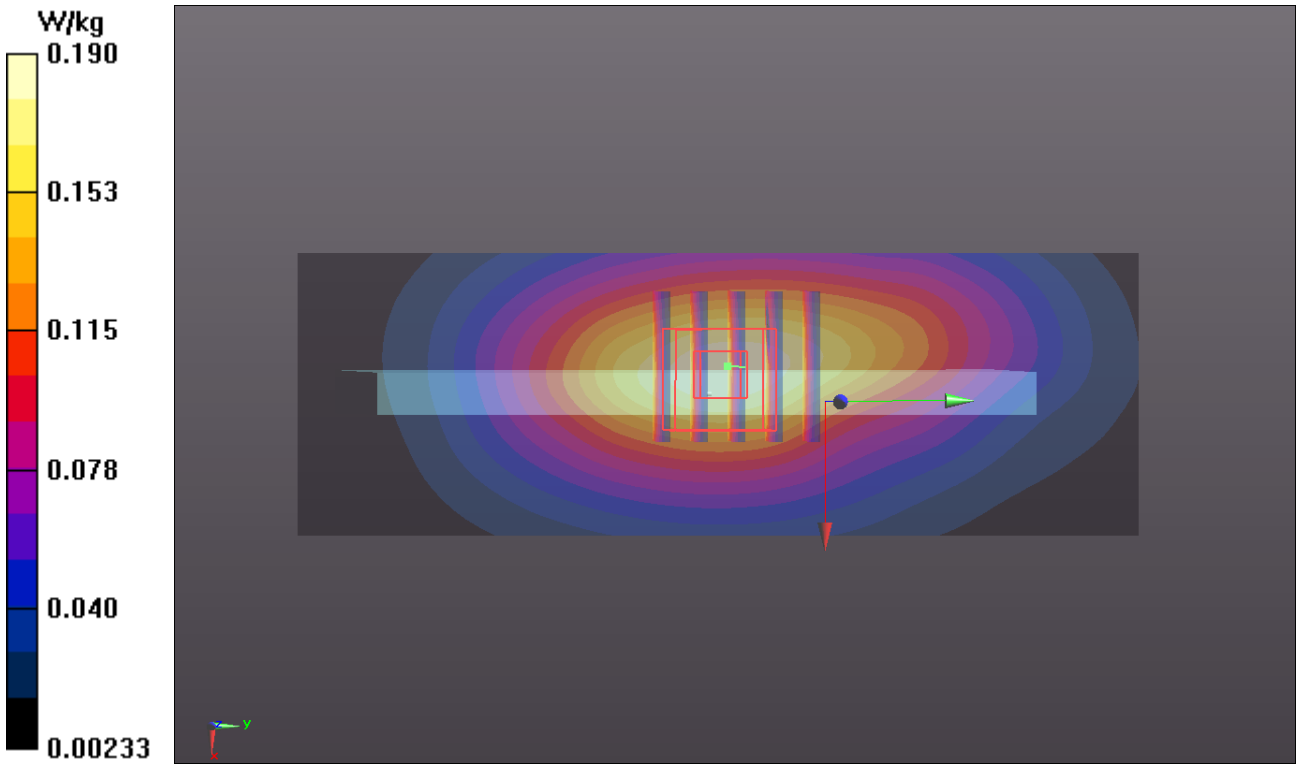
DUT: 120621C20

Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: B835_0815 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56.049; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.190 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.853 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.262 mW/g
SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.190 W/kg



P29 GSM850_GPRS11_Bottom Side_1cm_Ch128

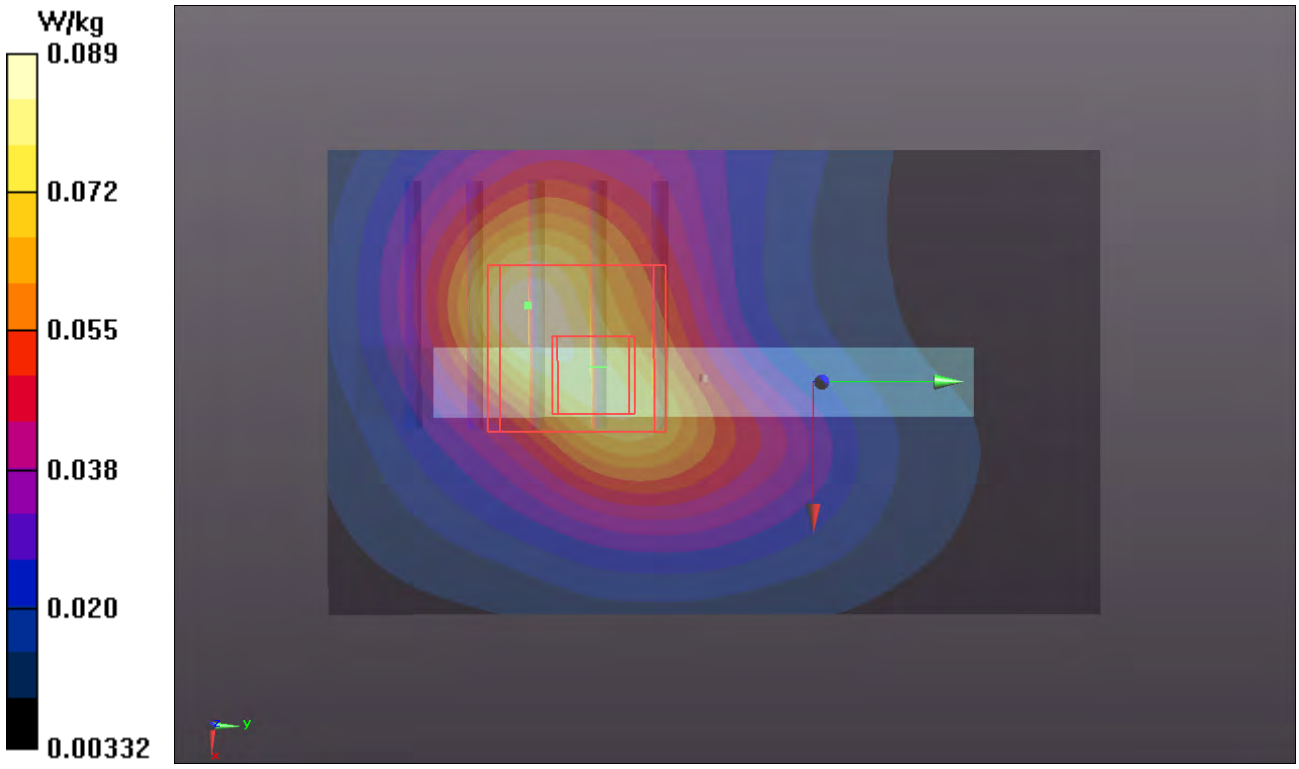
DUT: 120621C20

Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: B835_0815 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56.049; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0890 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.197 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.344 mW/g
SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.128 W/kg



P30 GSM850_GPRS11_Front Face_1cm_Ch128_Earphone

DUT: 120621C20

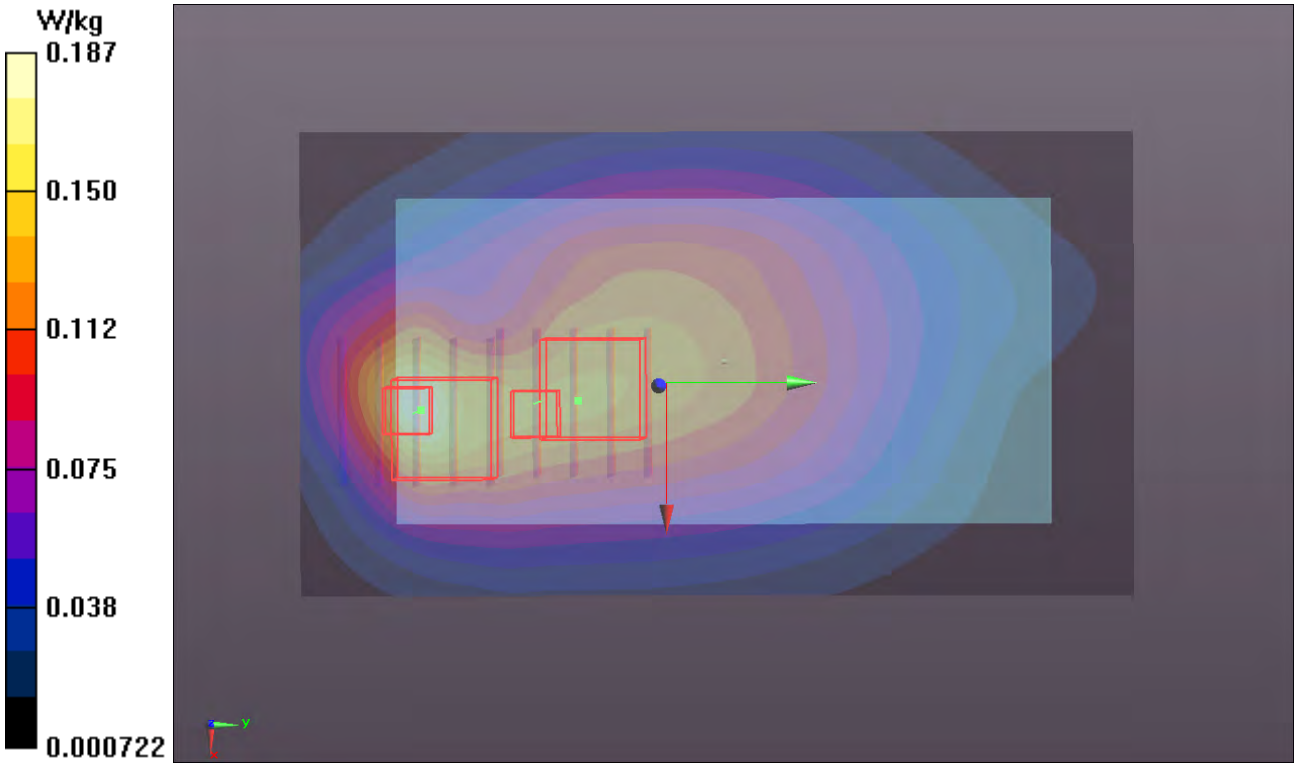
Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: B835_0815 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56.049; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.187 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.478 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.168 mW/g
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.147 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.478 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.201 mW/g
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.156 W/kg



P31 GSM850_GPRS11_Rear Face_1cm_Ch128_Earphone

DUT: 120621C20

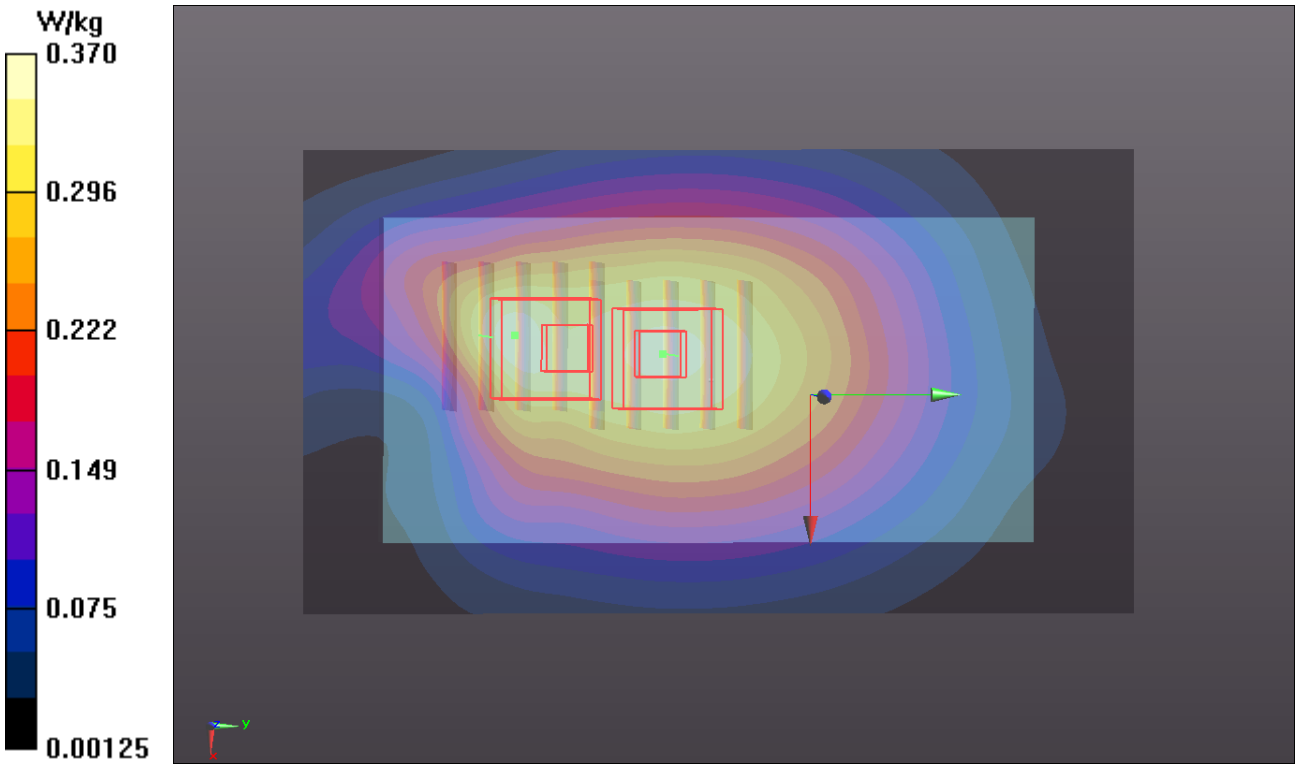
Communication System: GPRS11; Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium: B835_0815 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56.049; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.370 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.016 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.388 mW/g
SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.232 mW/g
Maximum value of SAR (measured) = 0.352 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.016 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.421 mW/g
SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.340 W/kg



P32 GSM1900_GPRS11_Front Face_1cm_Ch661

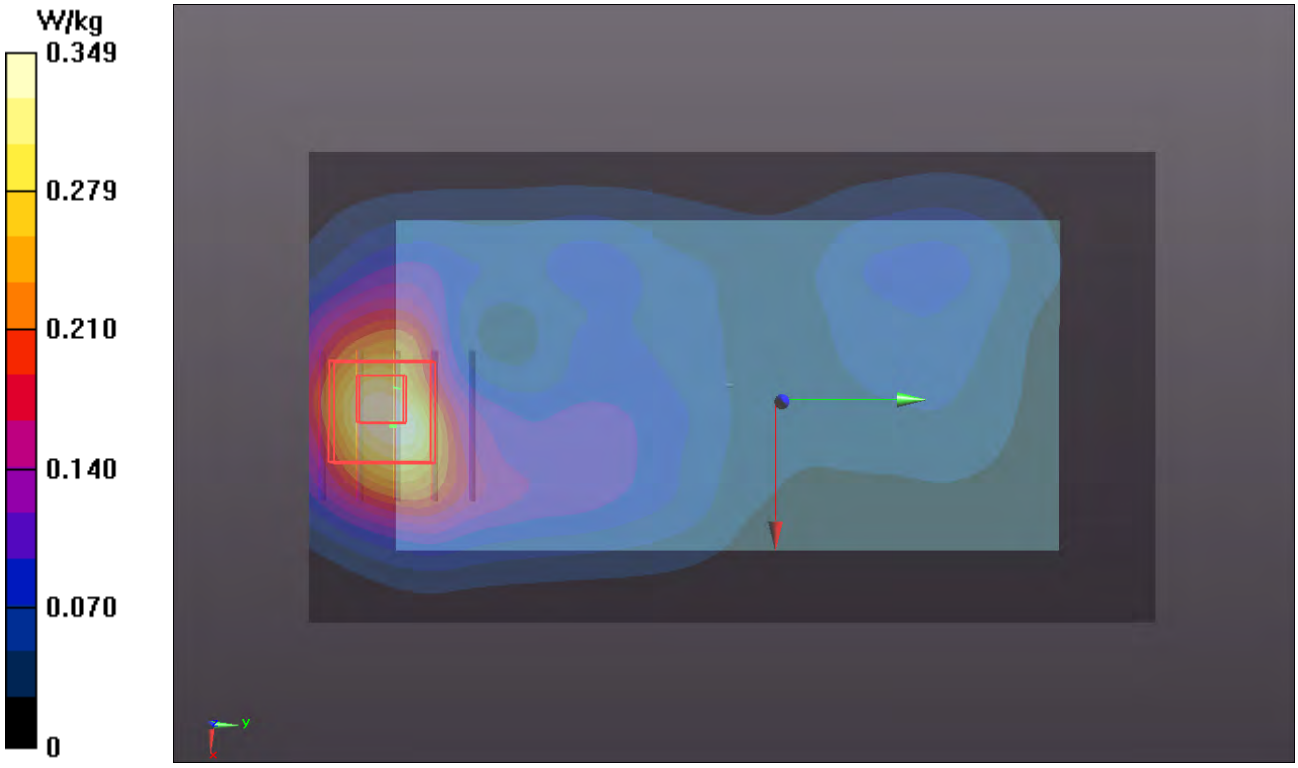
DUT: 120621C20

Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.349 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.678 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.557 mW/g
SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 0.418 W/kg



P33 GSM1900_GPRS11_Rear Face_1cm_Ch661

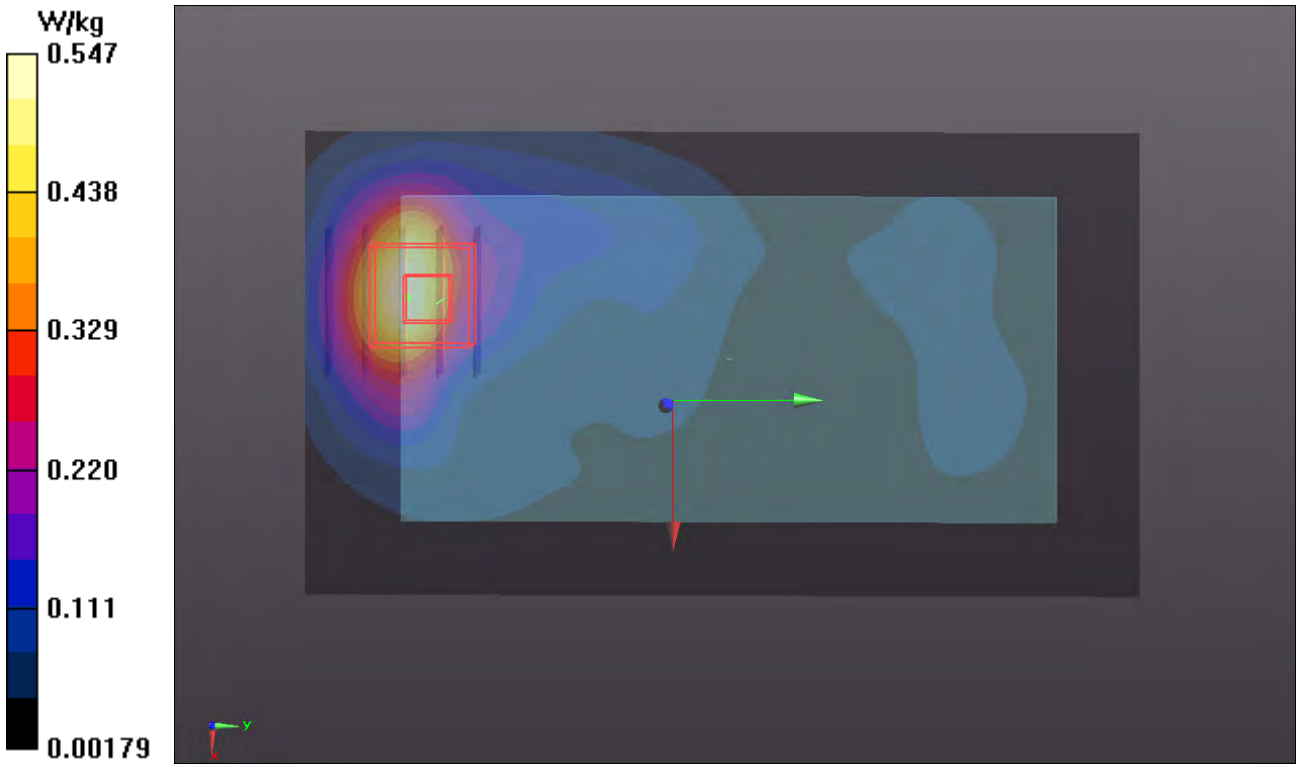
DUT: 120621C20

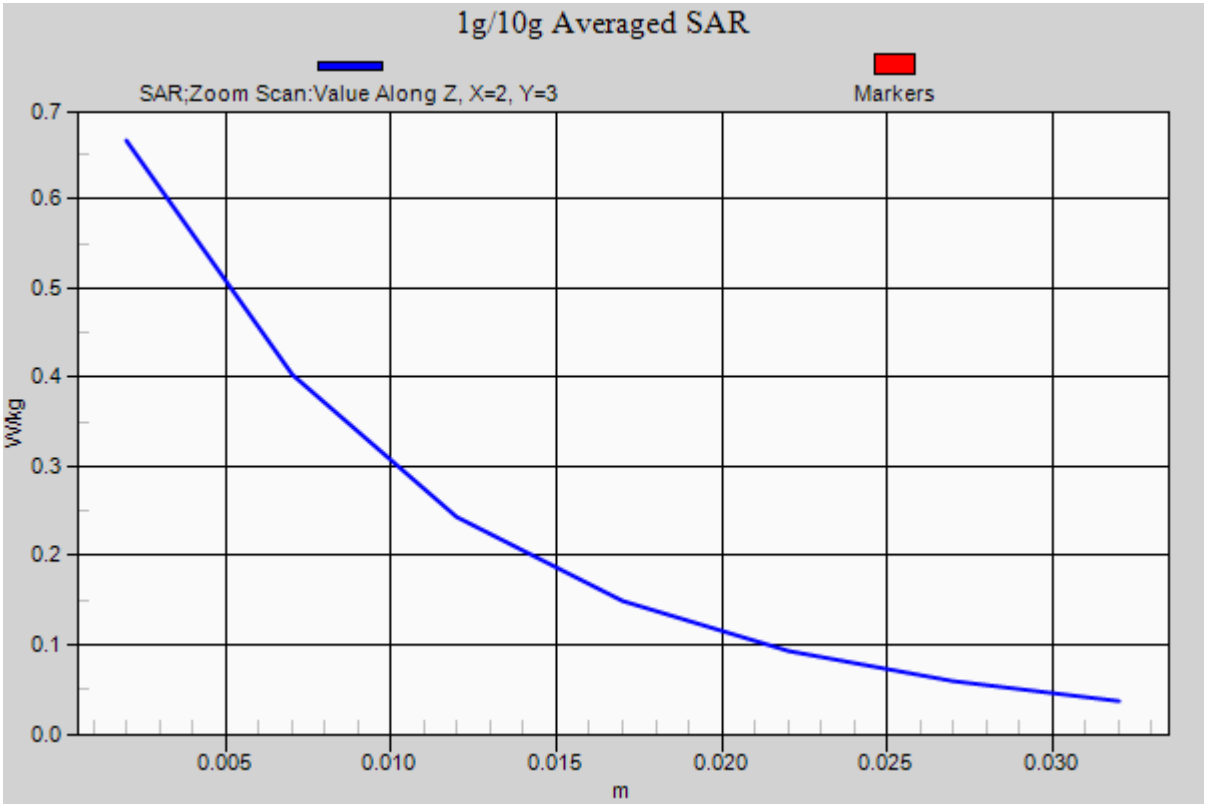
Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.547 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.306 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.884 mW/g
SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.271 mW/g
Maximum value of SAR (measured) = 0.665 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=3
Markers
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
W/kg
0.005
0.010
0.015
0.020
0.025
0.030
m

P34 GSM1900_GPRS11_Left Side_1cm_Ch661

DUT: 120621C20

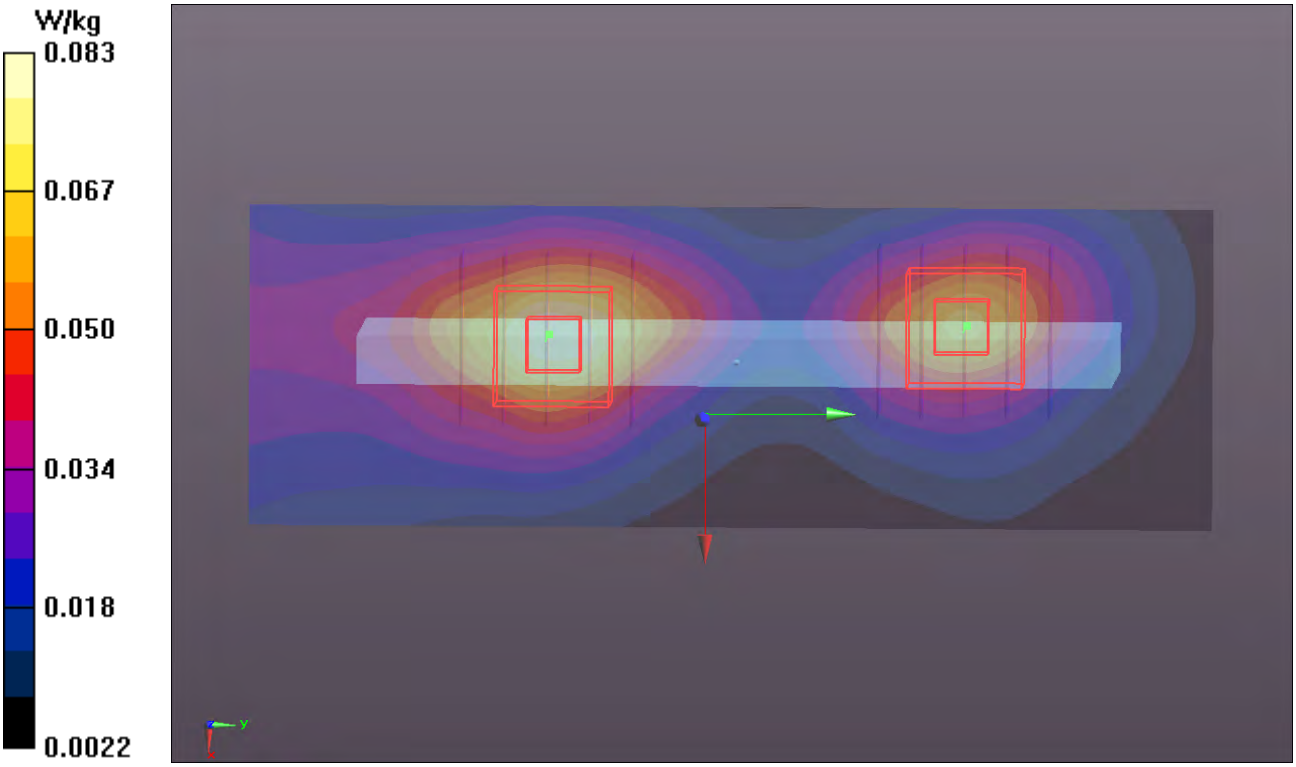
Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0826 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.227 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.113 mW/g
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.041 mW/g
Maximum value of SAR (measured) = 0.0932 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.227 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.081 mW/g
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.0693 W/kg



P35 GSM1900_GPRS11_Right Side_1cm_Ch661

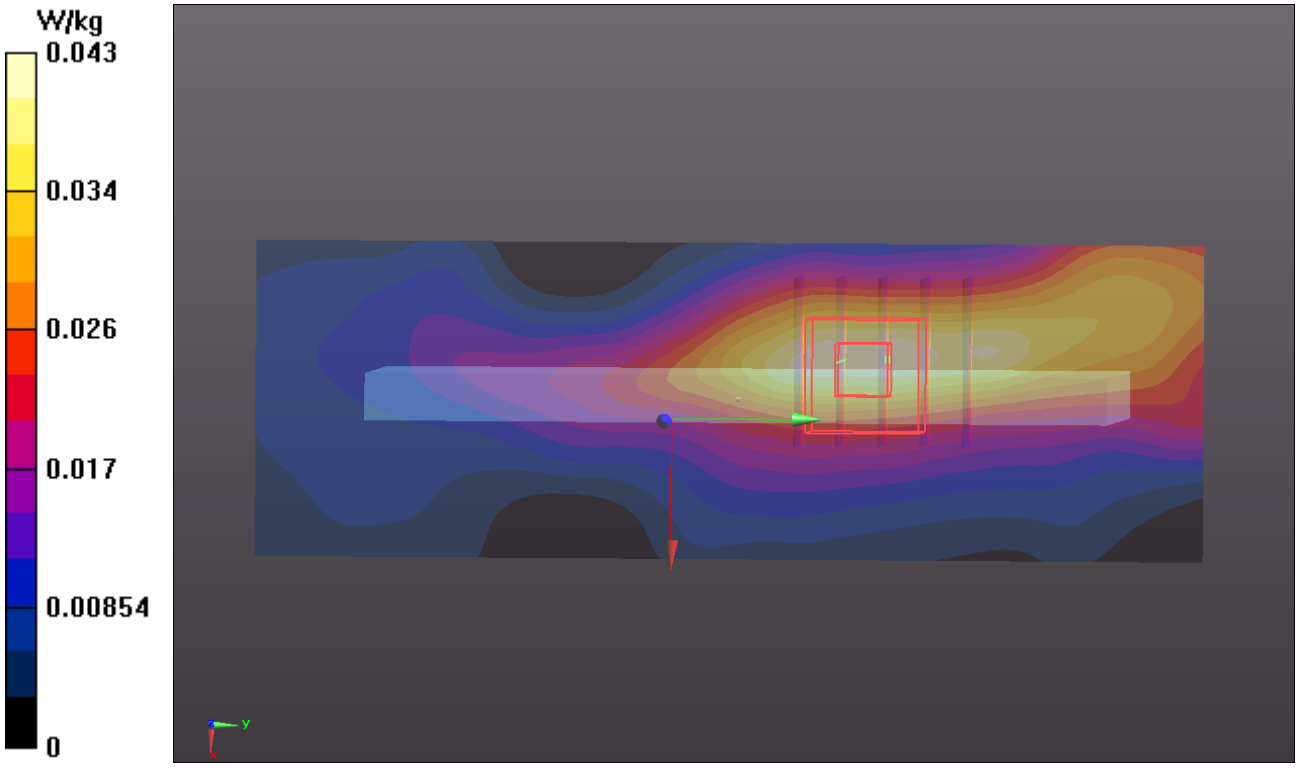
DUT: 120621C20

Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0427 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.233 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.053 mW/g
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.0439 W/kg



P36 GSM1900_GPRS11_Bottom Side_1cm_Ch661

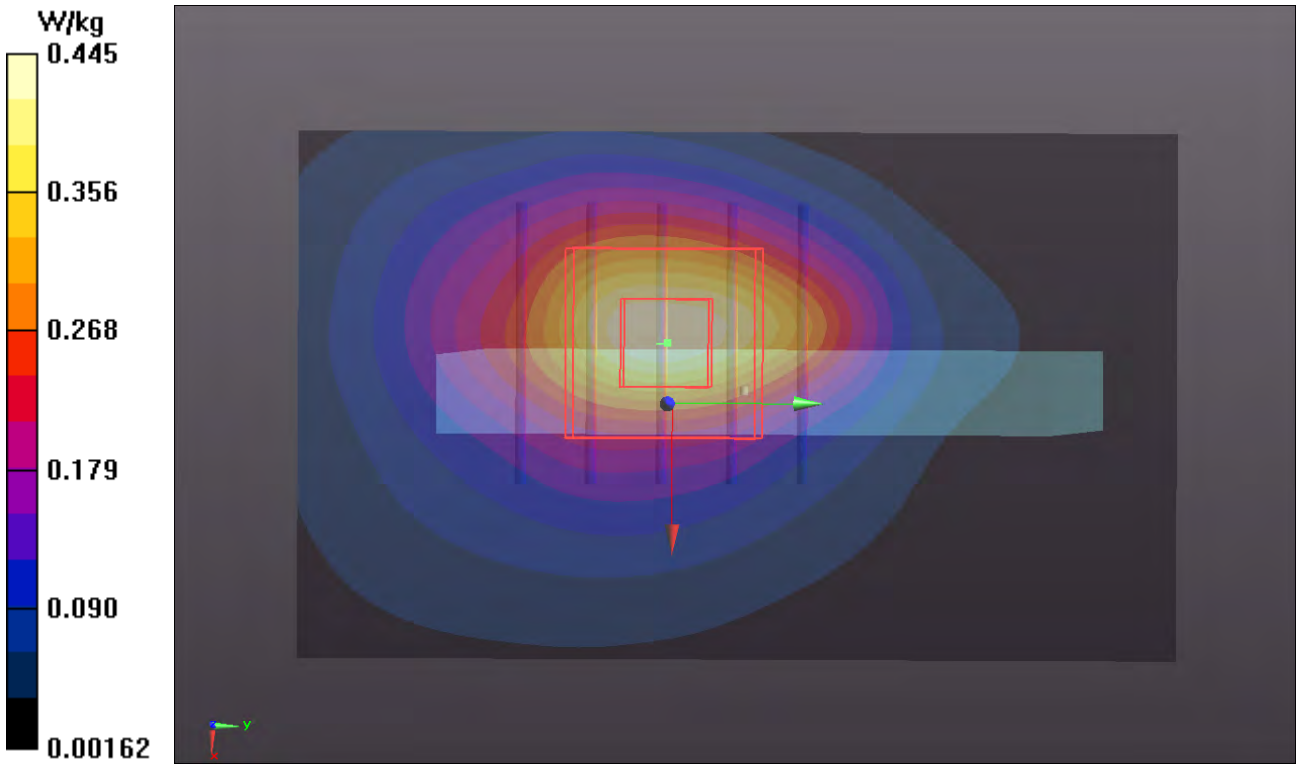
DUT: 120621C20

Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.445 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.237 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.542 mW/g
SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.185 mW/g
Maximum value of SAR (measured) = 0.446 W/kg



P37 GSM1900_GPRS11_Front Face_1cm_Ch661_Earphone

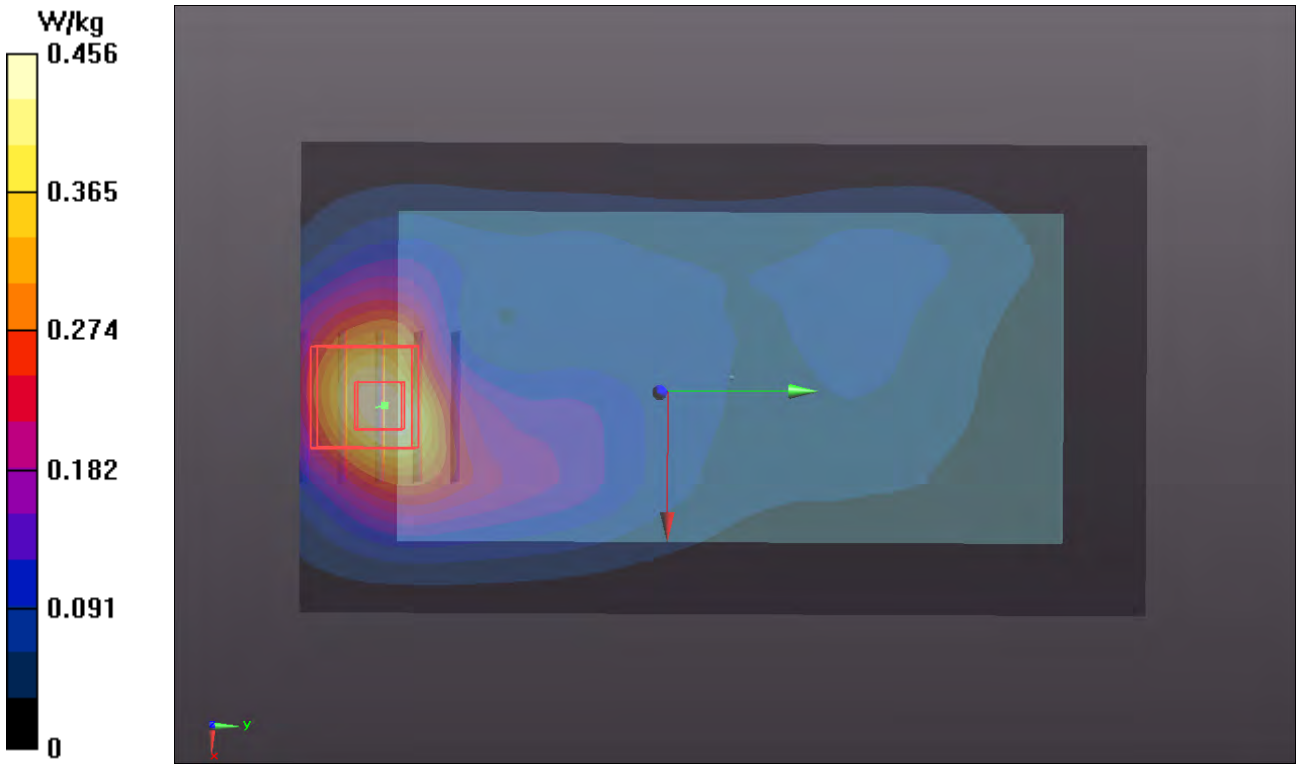
DUT: 120621C20

Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.456 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.347 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.632 mW/g
SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.496 W/kg



P38 GSM1900_GPRS11_Rear Face_1cm_Ch661_Earphone

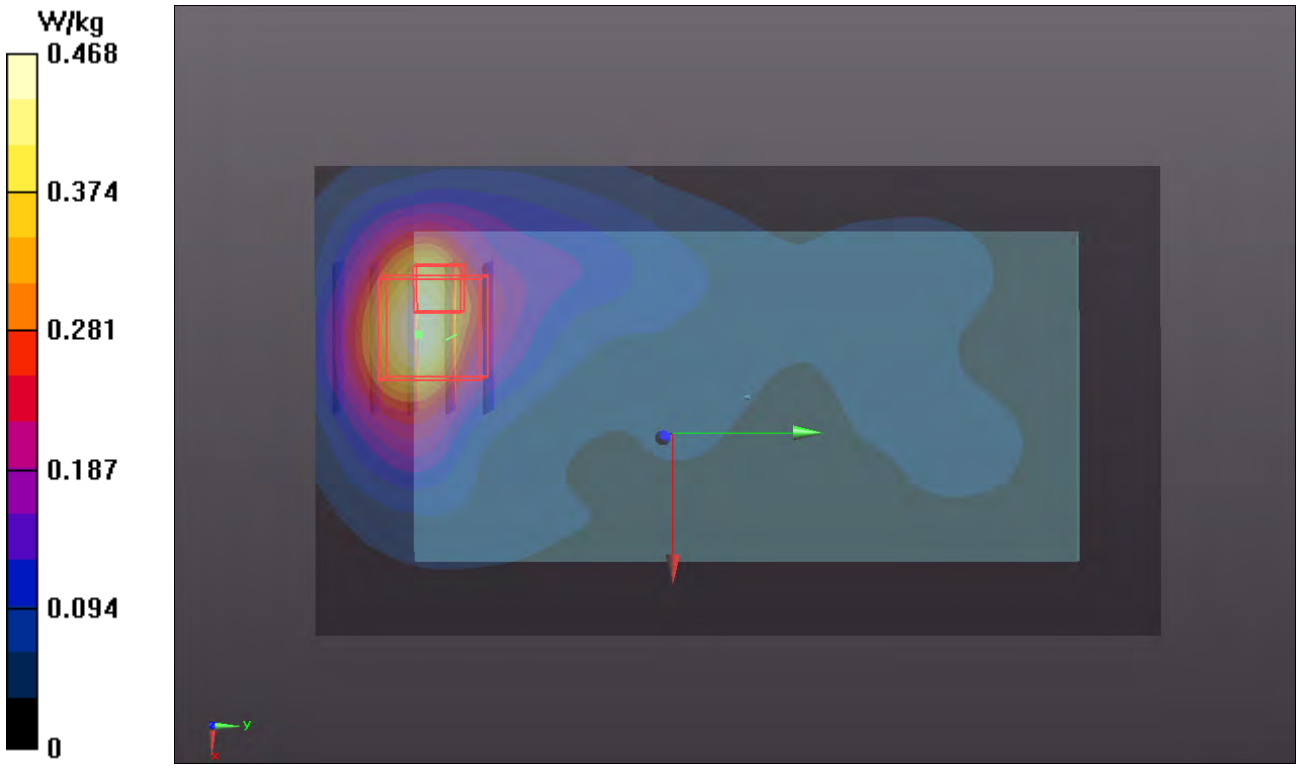
DUT: 120621C20

Communication System: GPRS11; Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.468 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.963 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.635 mW/g
SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.218 mW/g
Maximum value of SAR (measured) = 0.619 W/kg



P41 WCDMA V_RMC12.2K_Front Face_1cm_Ch4132

DUT: 120621C20

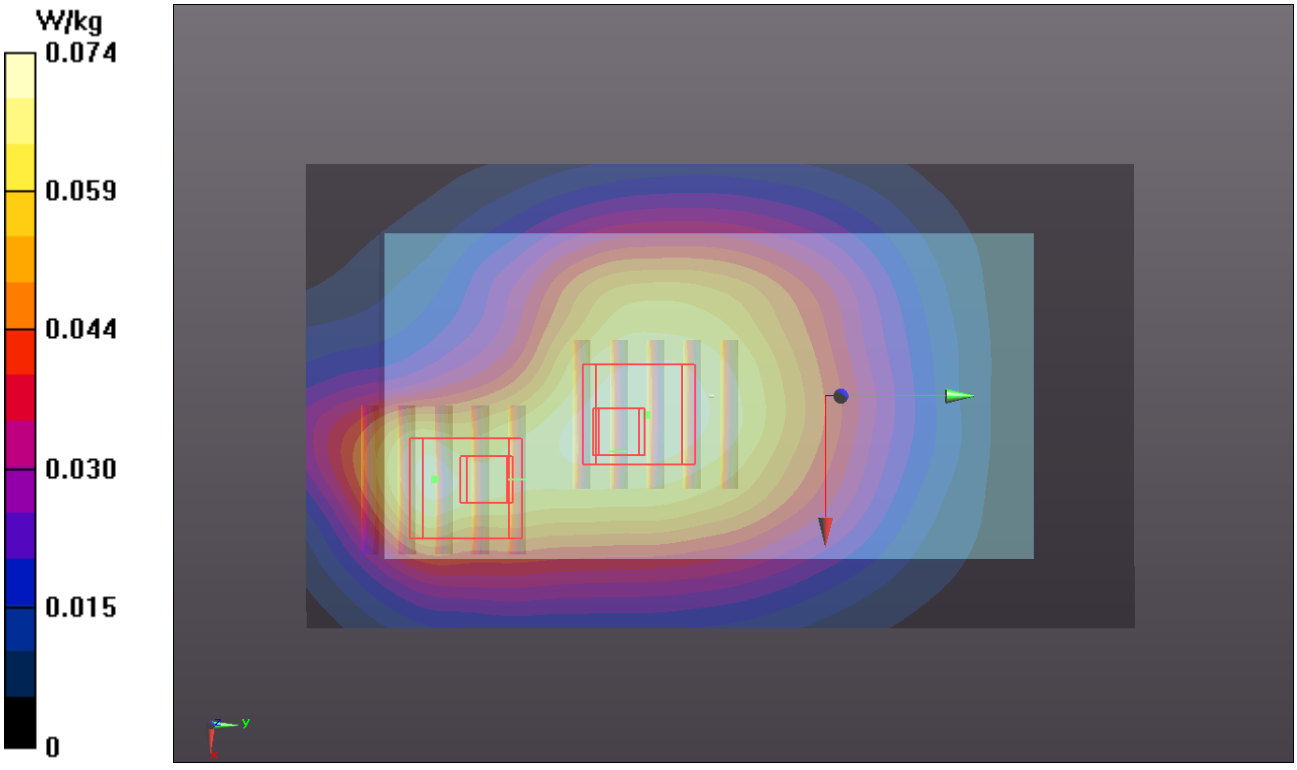
Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_0815 Medium parameters used: f = 826.4 MHz; σ = 0.971 mho/m; ε_r = 56.025; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0740 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.536 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.082 mW/g
SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.0740 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.536 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.085 mW/g
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.0693 W/kg



P42 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4132

DUT: 120621C20

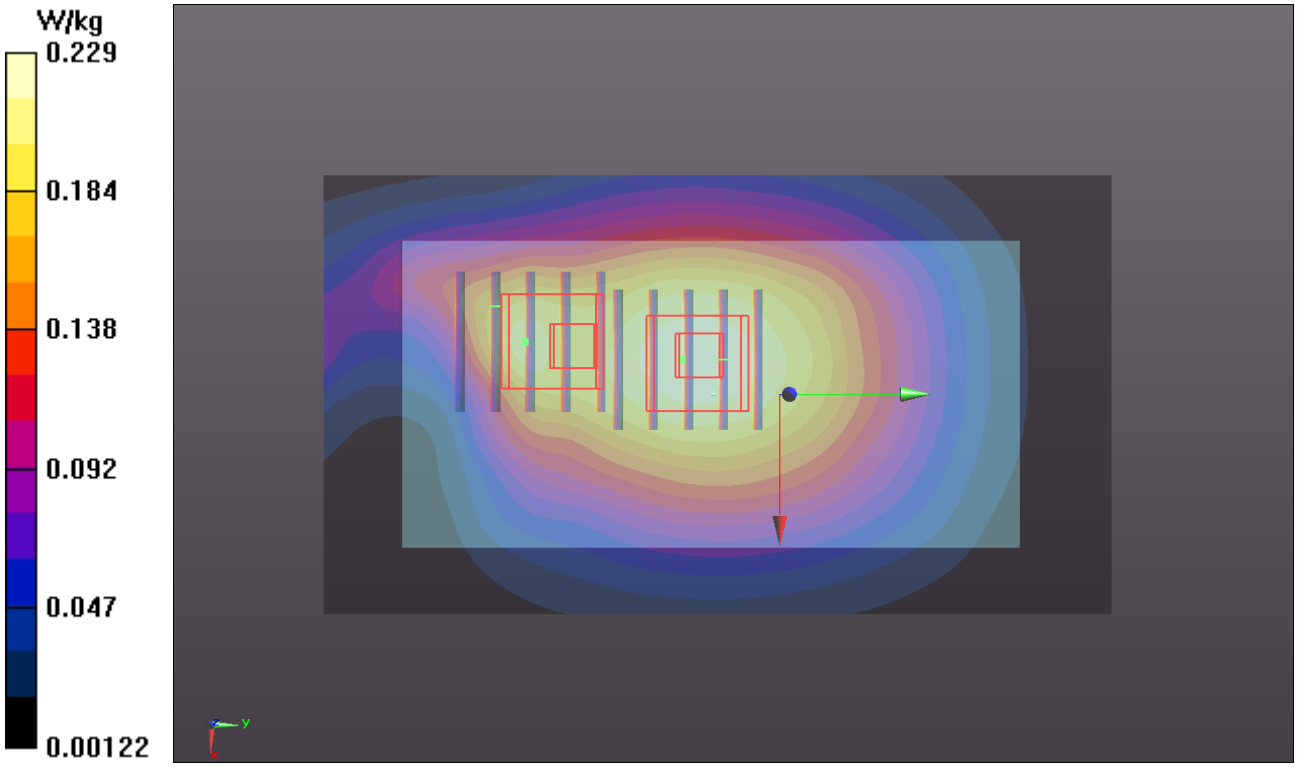
Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_0815 Medium parameters used: f = 826.4 MHz; σ = 0.971 mho/m; ε_r = 56.025; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

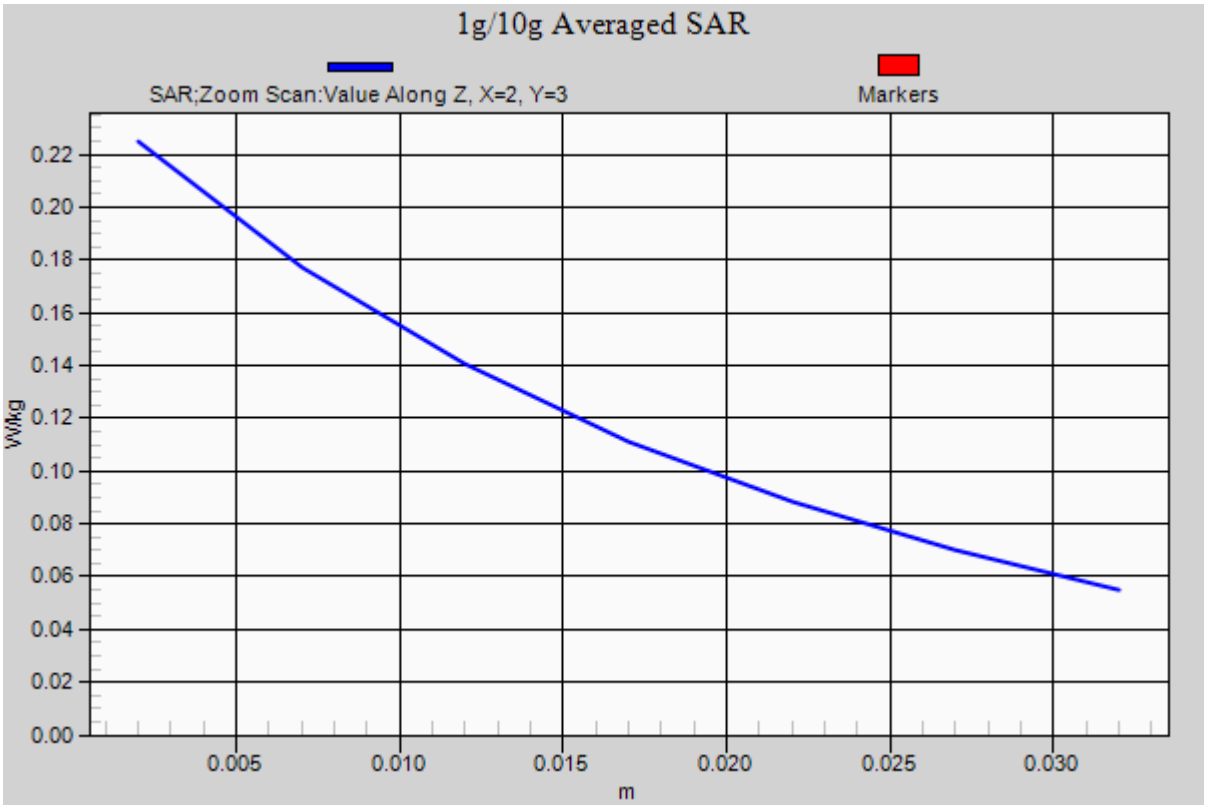
DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.229 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.120 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.250 mW/g
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.150 mW/g
Maximum value of SAR (measured) = 0.225 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.120 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.252 mW/g
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.195 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=3
Markers
W/kg
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0.005
0.010
0.015
0.020
0.025
0.030
m

P43 WCDMA V_RMC12.2K_Left Side_1cm_Ch4132

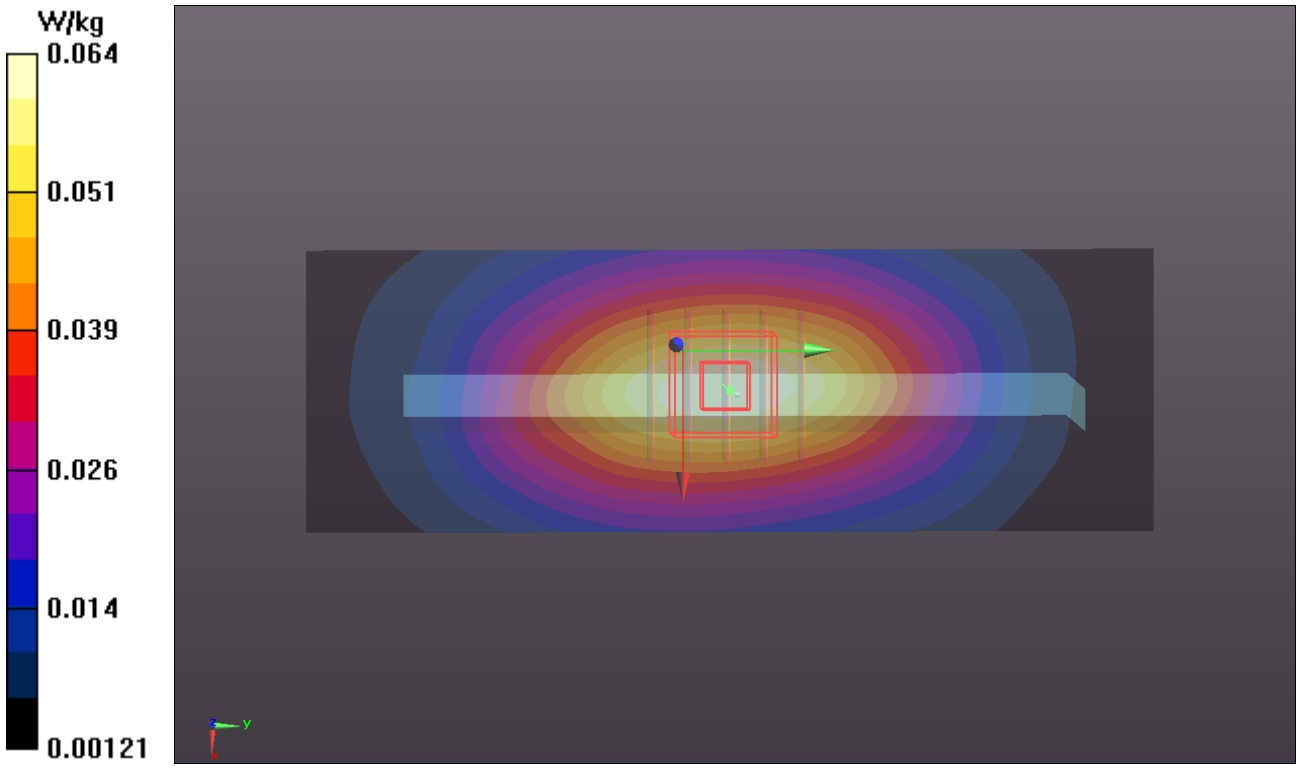
DUT: 120621C20

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_0815 Medium parameters used: f = 826.4 MHz; σ = 0.971 mho/m; ε_r = 56.025; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0641 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.389 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.076 mW/g
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.0665 W/kg



P44 WCDMA V_RMC12.2K_Right Side_1cm_Ch4132

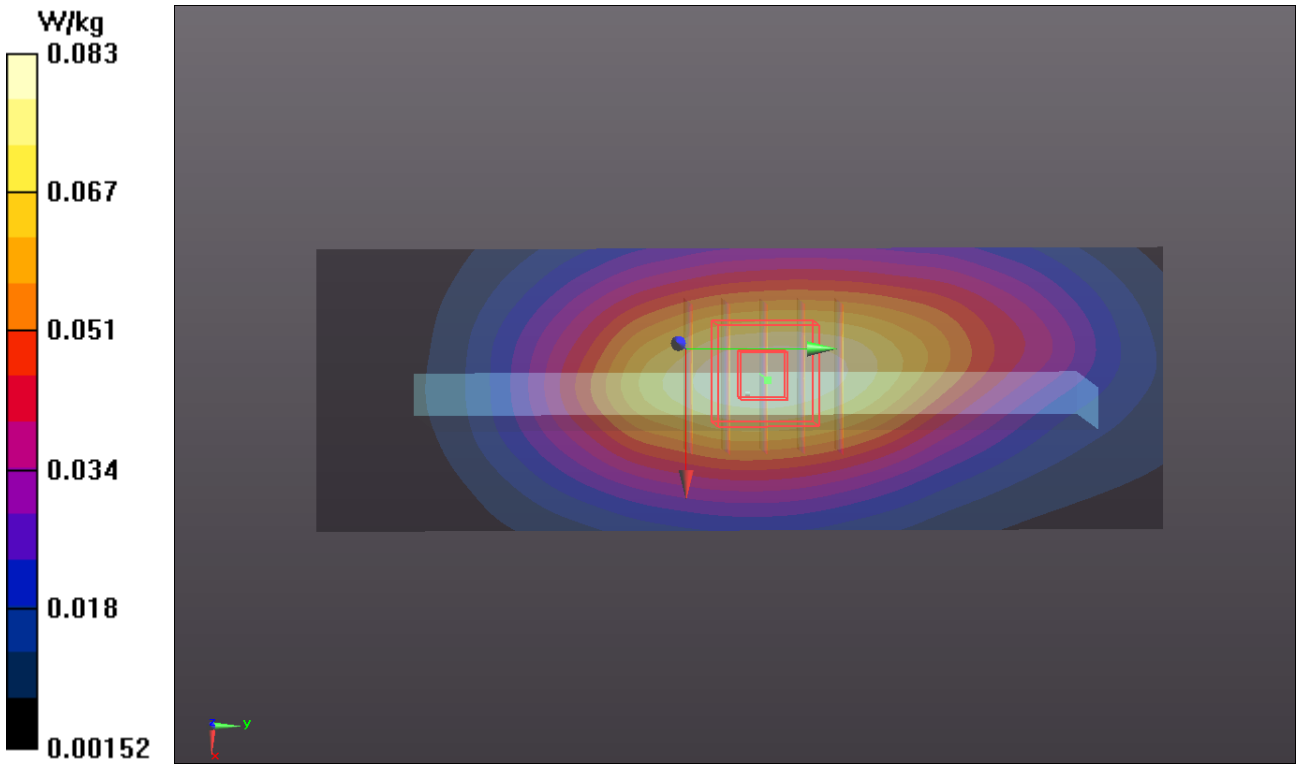
DUT: 120621C20

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_0815 Medium parameters used: f = 826.4 MHz; σ = 0.971 mho/m; ε_r = 56.025; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0833 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.455 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.109 mW/g
SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.054 mW/g
Maximum value of SAR (measured) = 0.0946 W/kg



P45 WCDMA V_RMC12.2K_Bottom Side_1cm_Ch4132

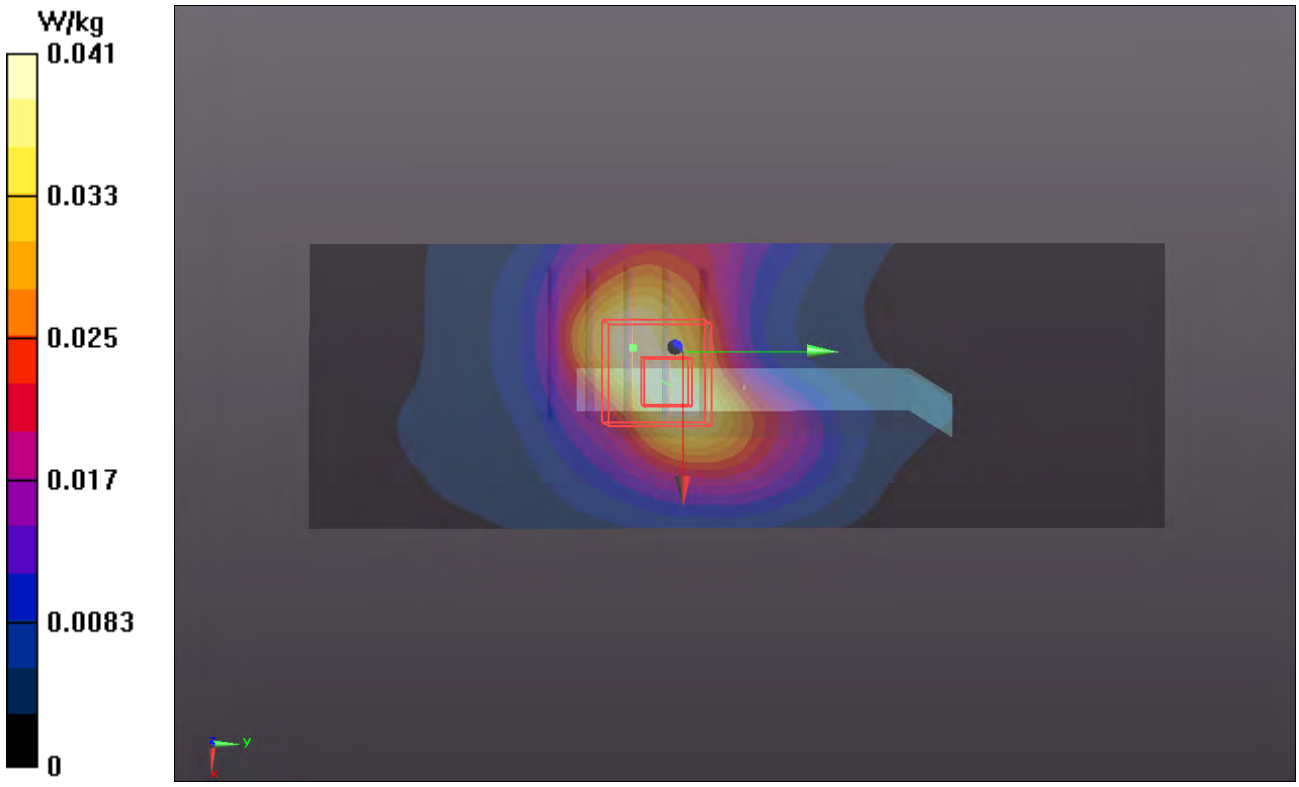
DUT: 120621C20

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_0815 Medium parameters used: f = 826.4 MHz; σ = 0.971 mho/m; ε_r = 56.025; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0415 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.634 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.078 mW/g
SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.0617 W/kg



P46 WCDMA V_RMC12.2K_Front Face_1cm_Ch4132_Earphone

DUT: 120621C20

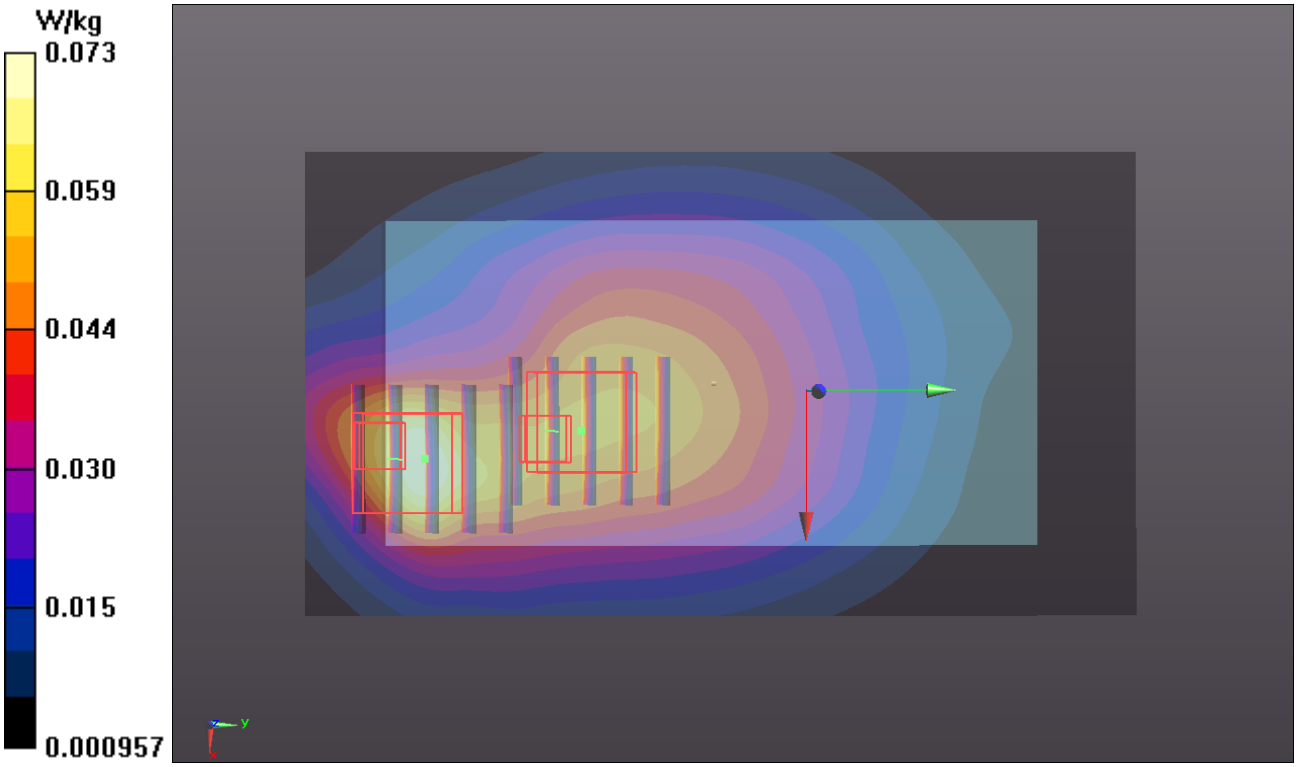
Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_0815 Medium parameters used: f = 826.4 MHz; σ = 0.971 mho/m; ε_r = 56.025; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0731 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.915 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.091 mW/g
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.0725 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.915 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.067 mW/g
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.0597 W/kg



P47 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4132_Earphone

DUT: 120621C20

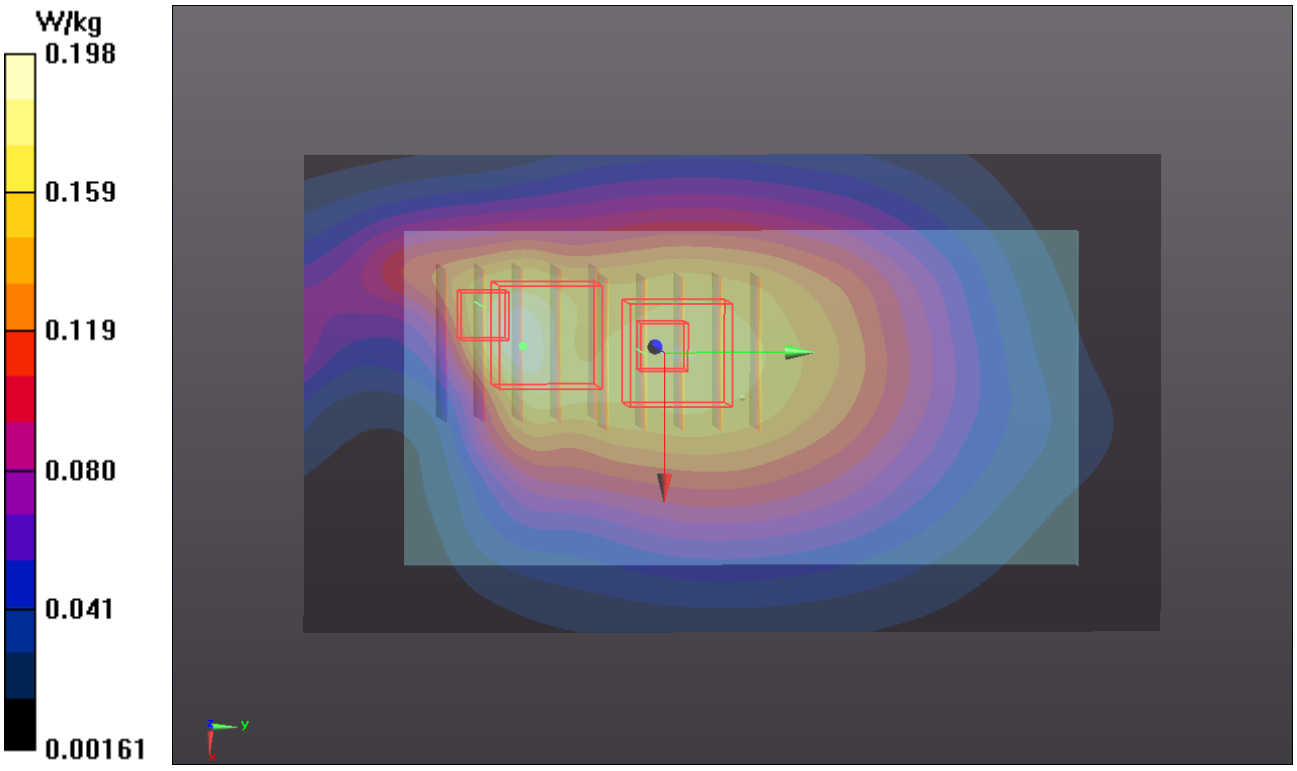
Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_0815 Medium parameters used: f = 826.4 MHz; σ = 0.971 mho/m; ε_r = 56.025; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4132/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.198 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.191 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.194 mW/g
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.174 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.191 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.250 mW/g
SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.093 mW/g
Maximum value of SAR (measured) = 0.193 W/kg



P48 WCDMA II_RMC12.2k_Front Face_1cm_Ch9400

DUT: 120621C20

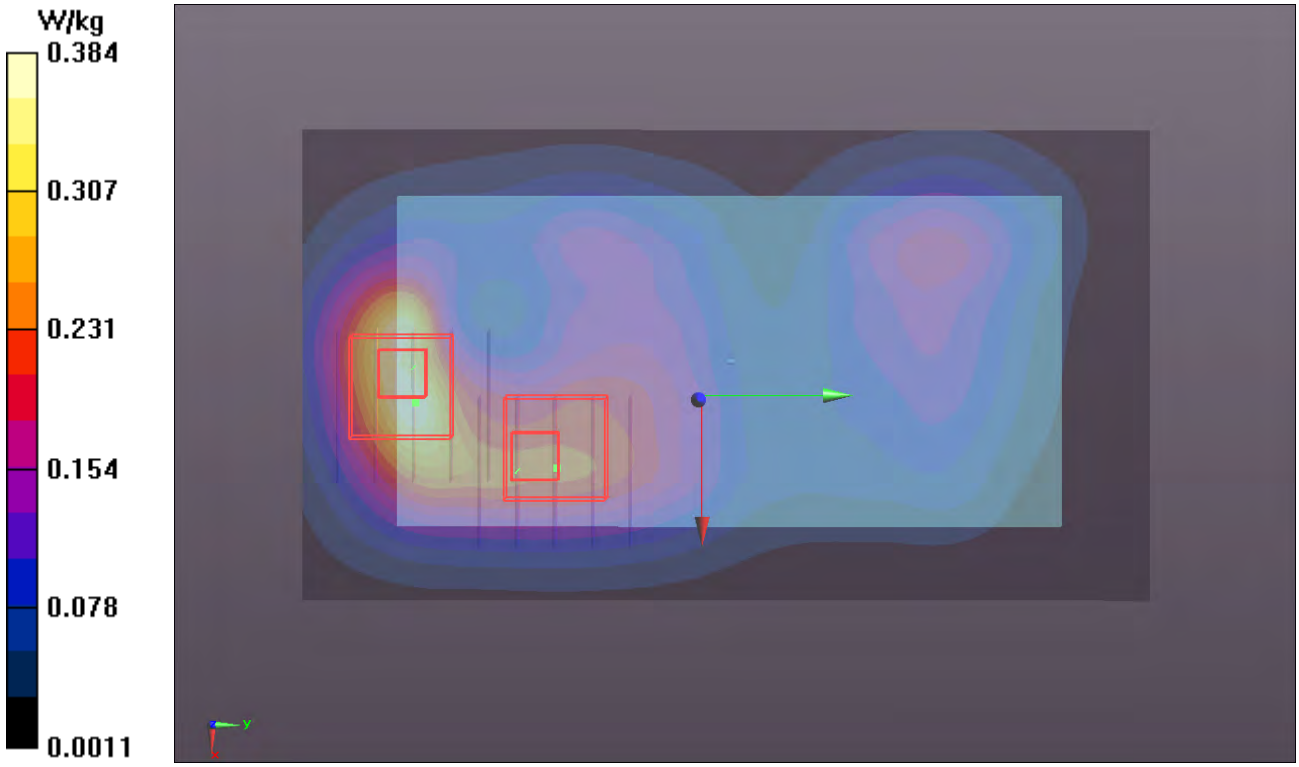
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.384 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.971 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.514 mW/g
SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.403 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.971 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.301 mW/g
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.248 W/kg



P49 WCDMA II_RMC12.2k_Rear Face_1cm_Ch9400

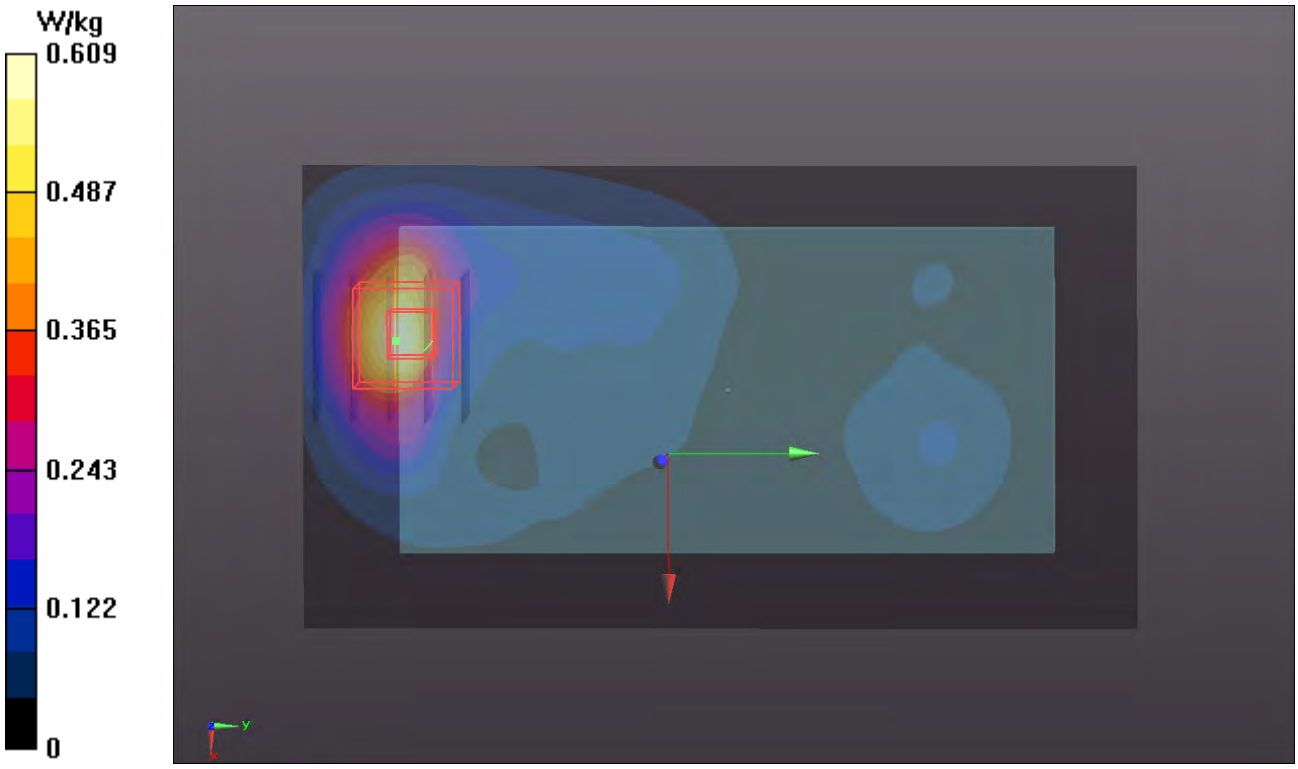
DUT: 120621C20

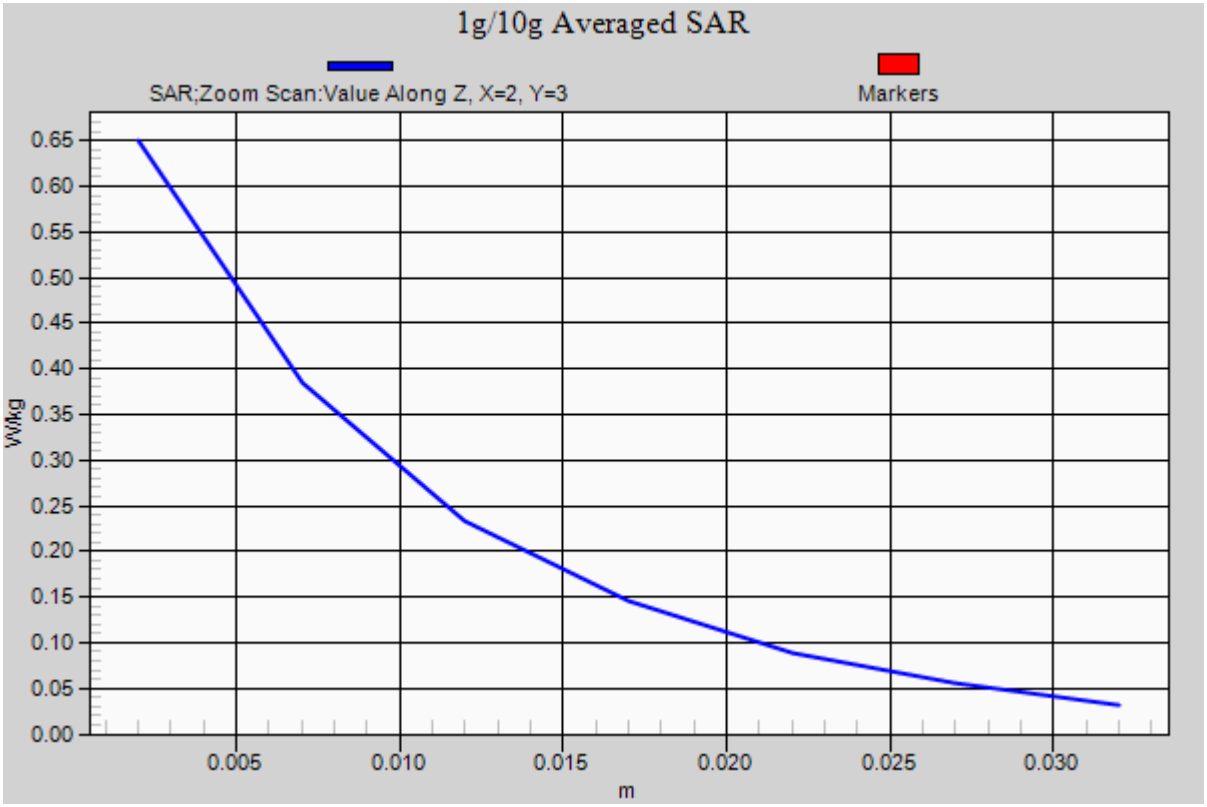
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.609 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.946 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.899 mW/g
SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.268 mW/g
Maximum value of SAR (measured) = 0.650 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=3
Markers
W/kg
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.005
0.010
0.015
0.020
0.025
0.030
m

P50 WCDMA II_RMC12.2k_Left Side_1cm_Ch9400

DUT: 120621C20

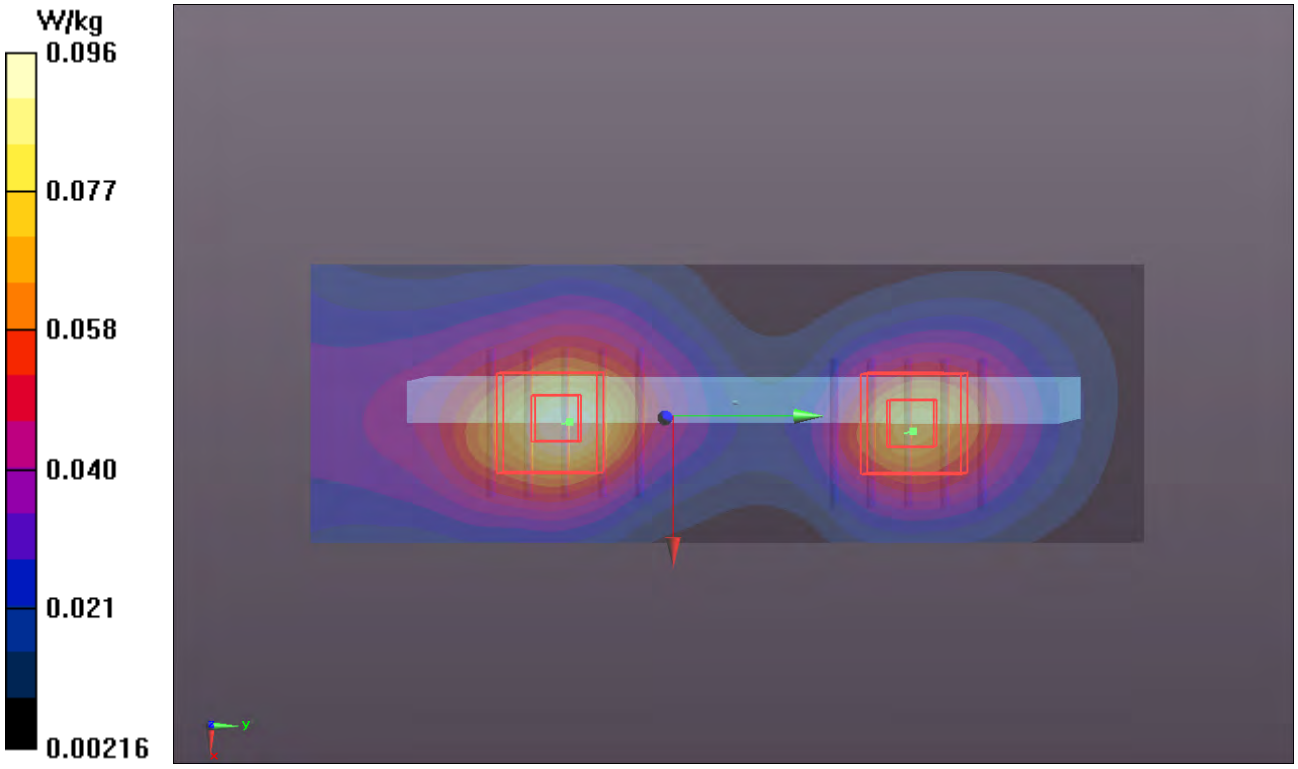
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0956 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.794 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.126 mW/g
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.104 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.794 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.096 mW/g
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.0782 W/kg



P51 WCDMA II_RMC12.2k_Right Side_1cm_Ch9400

DUT: 120621C20

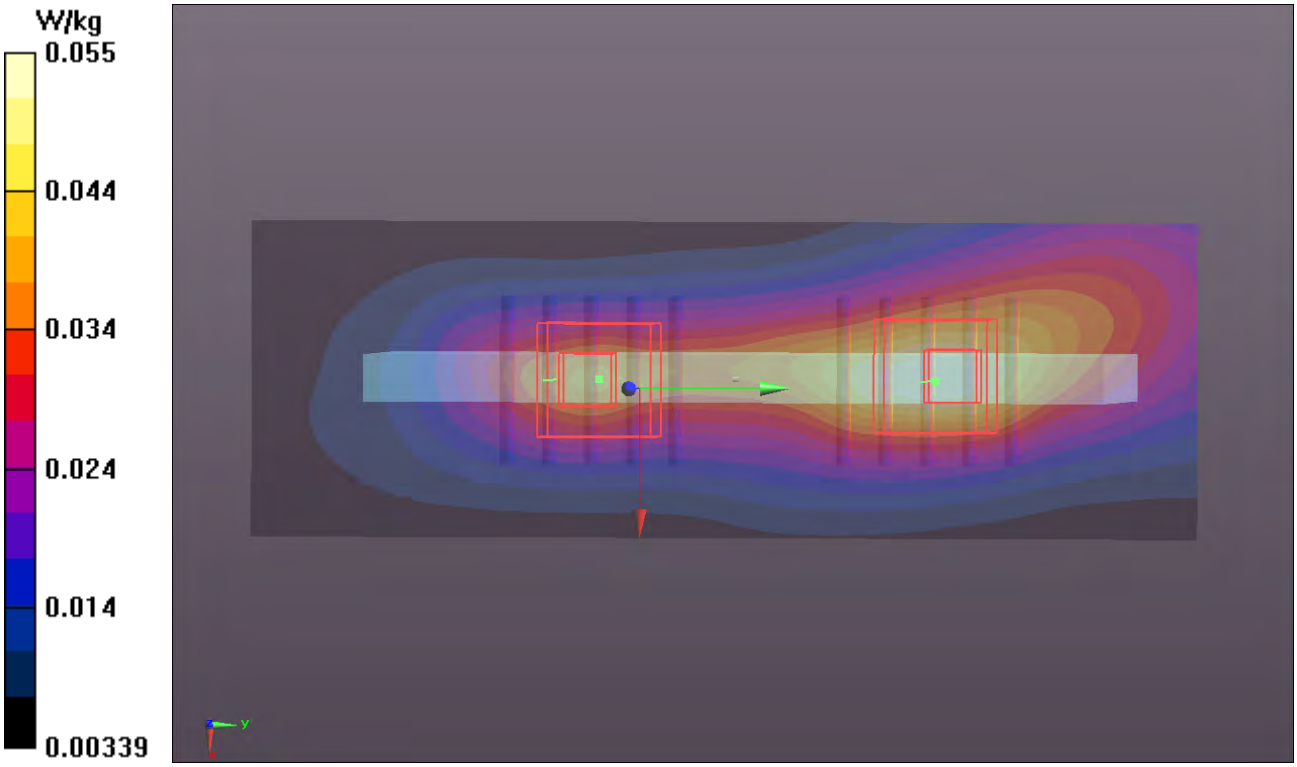
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0545 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.888 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.072 mW/g
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.0580 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.888 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.052 mW/g
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.0408 W/kg



P52 WCDMA II_RMC12.2k_Bottom Side_1cm_Ch9400

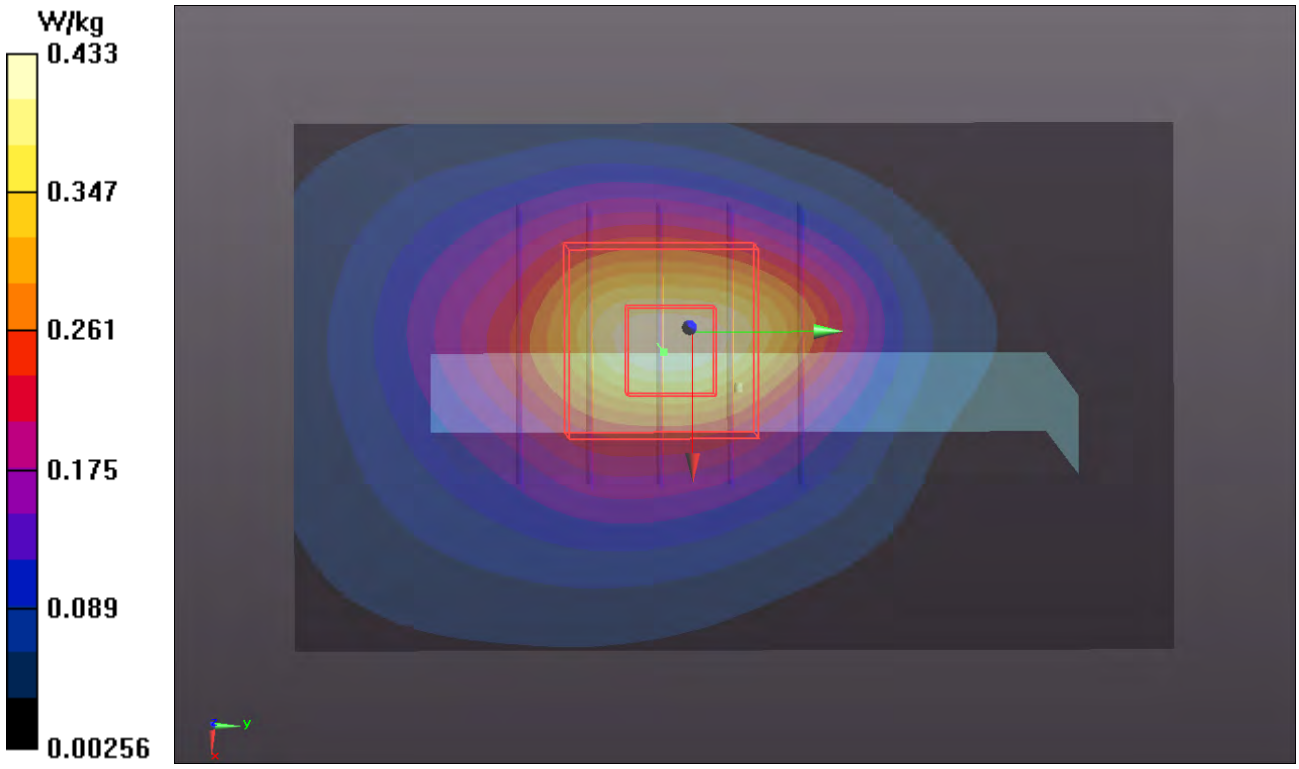
DUT: 120621C20

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.433 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.321 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.548 mW/g
SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.187 mW/g
Maximum value of SAR (measured) = 0.450 W/kg



P53 WCDMA II_RMC12.2k_Front Face_1cm_Ch9400_Earphone

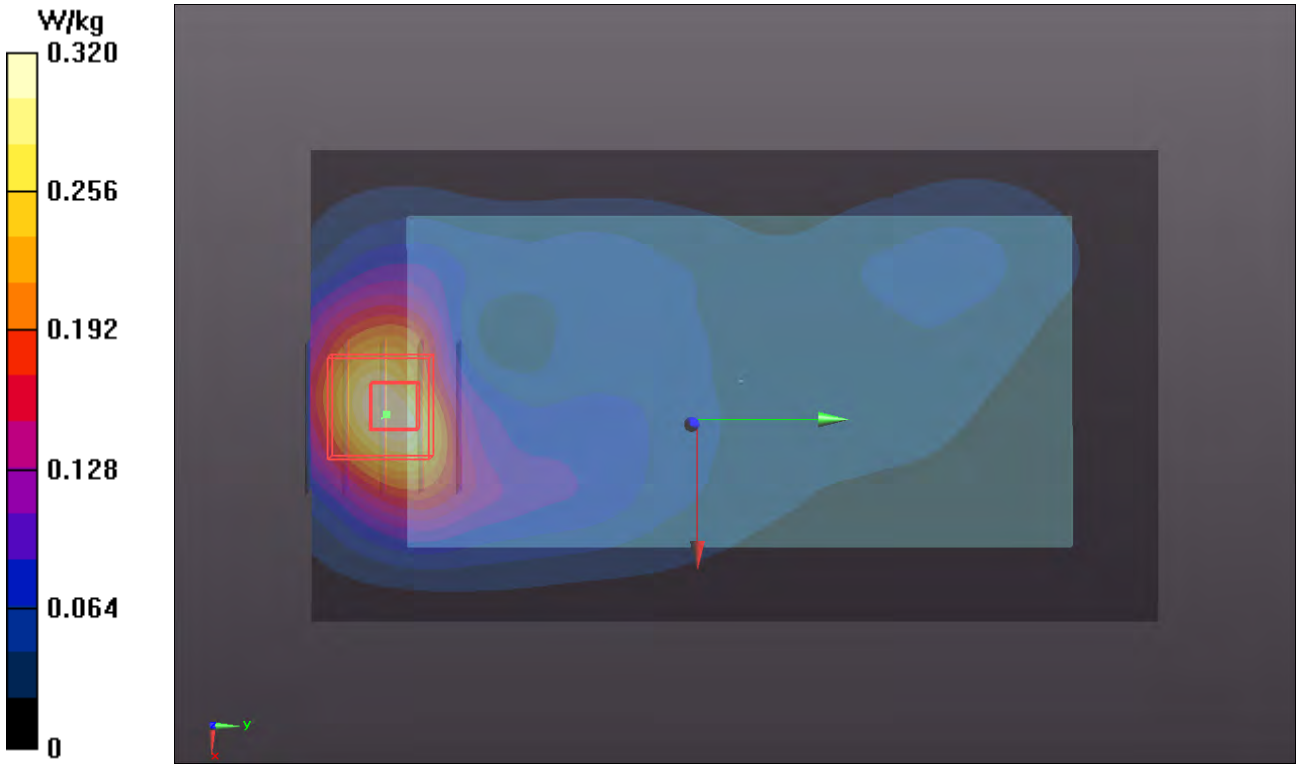
DUT: 120621C20

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Measurementgrid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.320 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.144 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.422 mW/g
SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.330 W/kg



P54 WCDMA II_RMC12.2k_Rear Face_1cm_Ch9400_Earphone

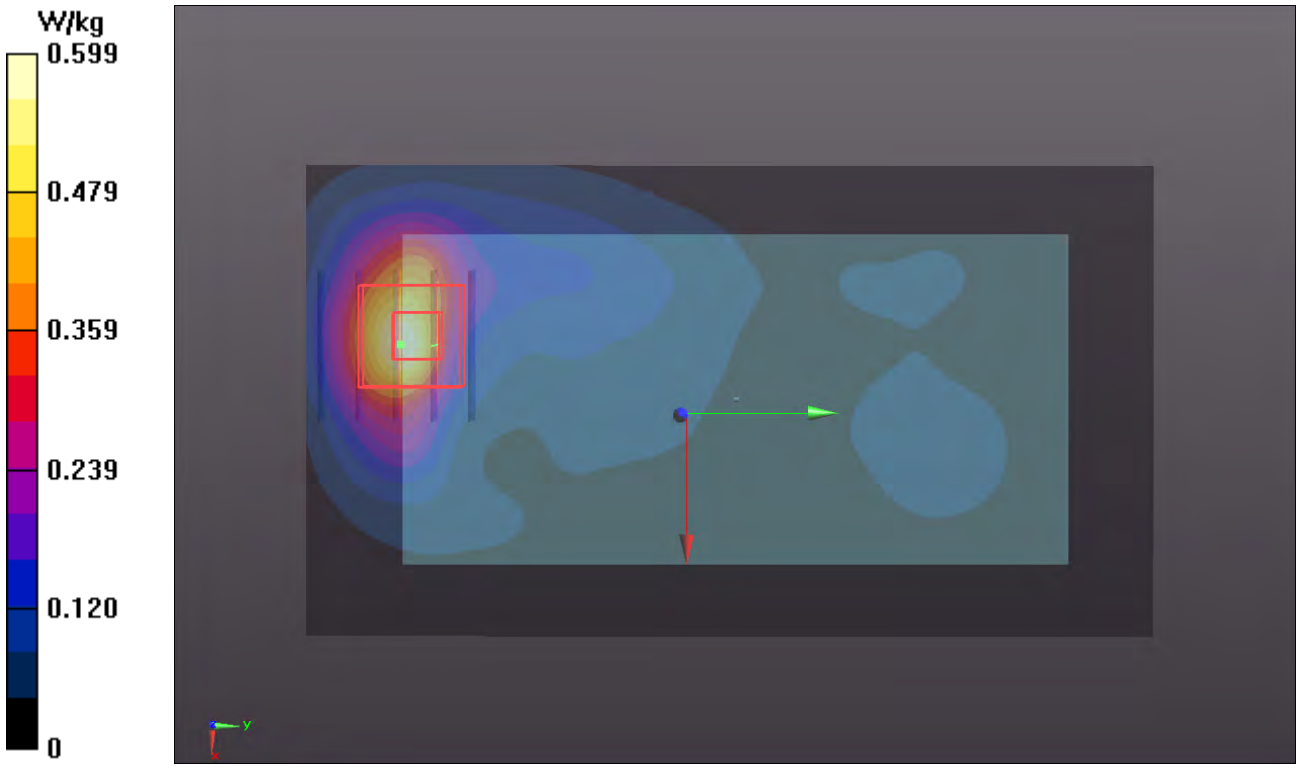
DUT: 120621C20

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.599 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.933 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.866 mW/g
SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.261 mW/g
Maximum value of SAR (measured) = 0.628 W/kg



P312 CDMA2000 BC0_RC3+SO32_Front Face_1cm_Ch384

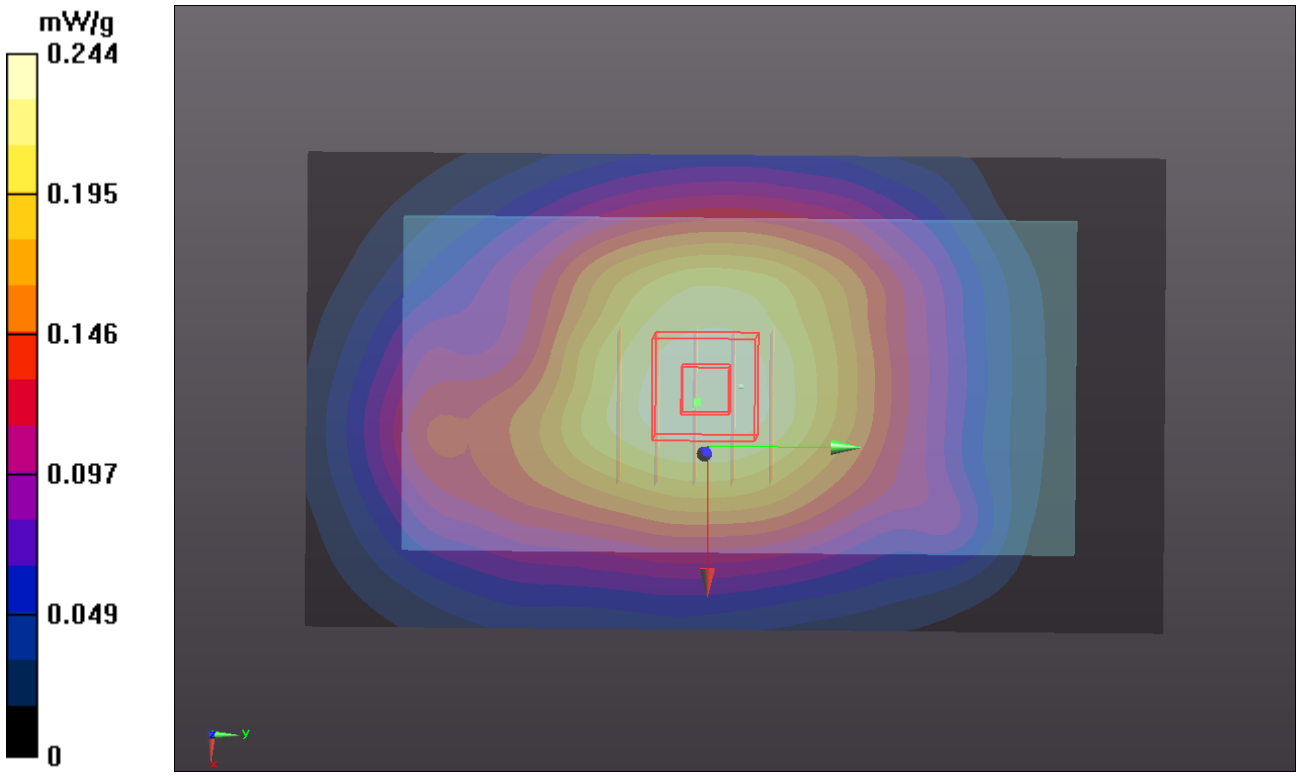
DUT: 120621C20

Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B835_0814 Medium parameters used: f = 837 MHz; σ = 0.98 mho/m; ε_r = 55.634; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.47, 10.47, 10.47); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch384/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.244 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.789 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.259 mW/g
SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.234 mW/g



P313 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch384

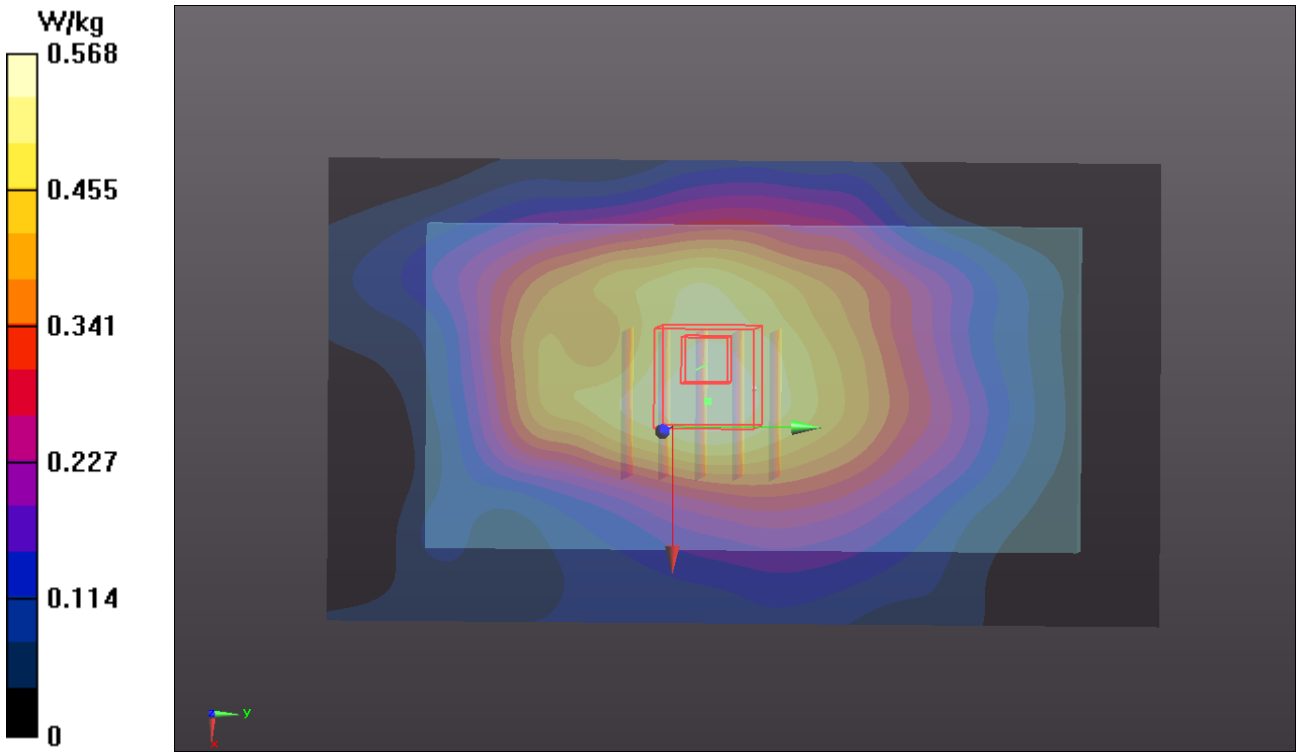
DUT: 120621C20

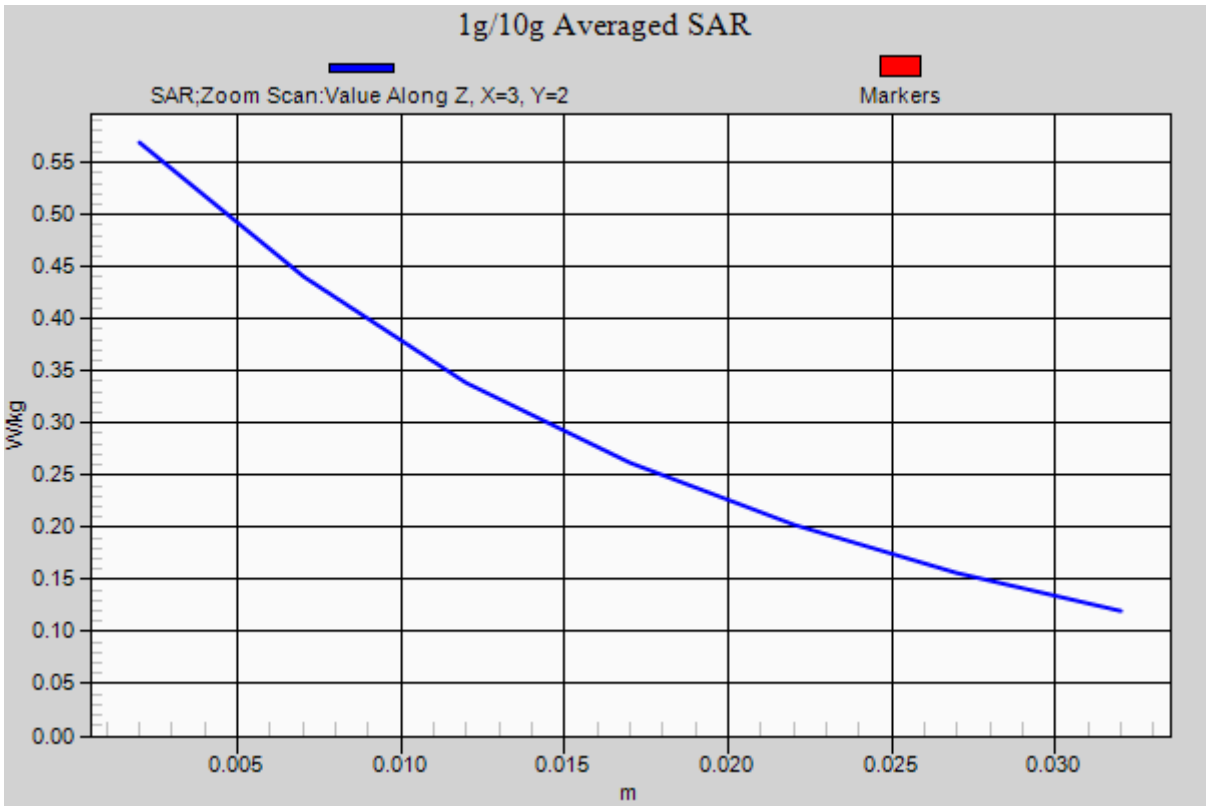
Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B835_0814 Medium parameters used: f = 837 MHz; σ = 0.98 mho/m; ε_r = 55.634; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.47, 10.47, 10.47); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.568 W/kg

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.223 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.630 mW/g
SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.569 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=3, Y=2
Markers
W/kg
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.005
0.010
0.015
0.020
0.025
0.030
m

P314 CDMA2000 BC0_RC3+SO32_Left Side_1cm_Ch384

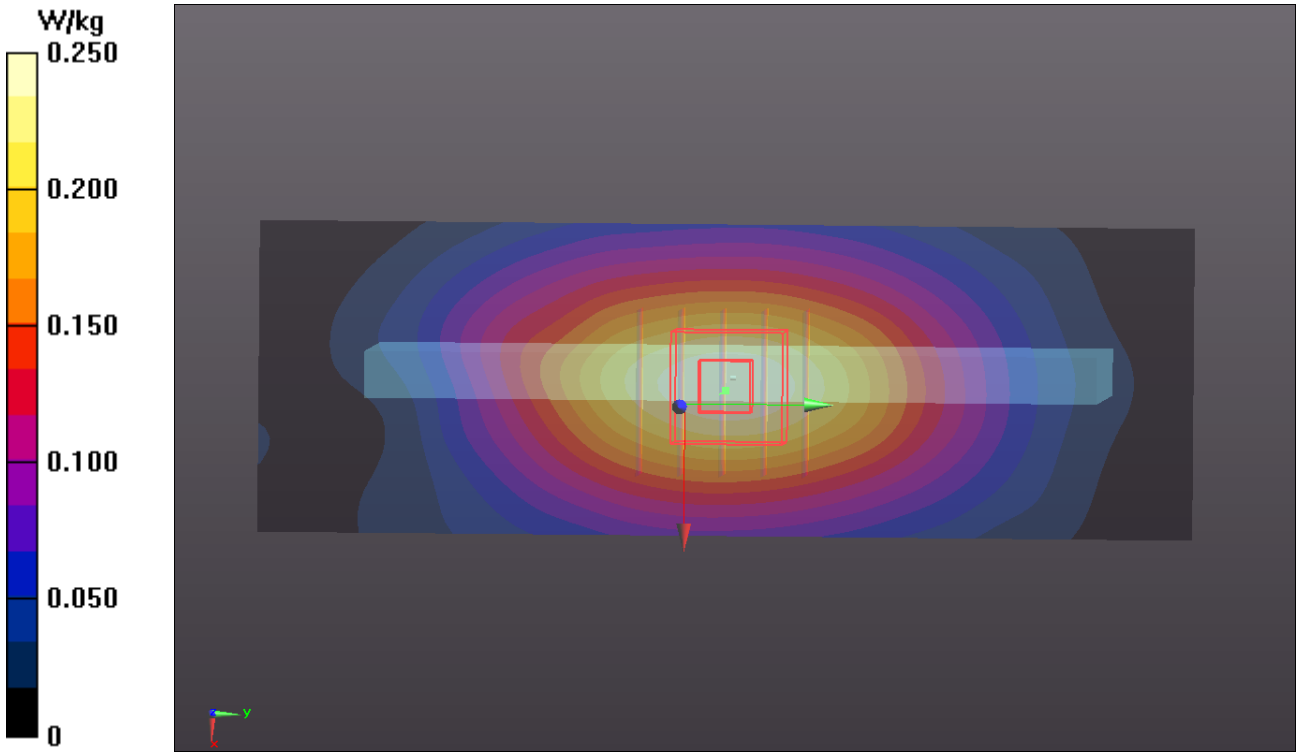
DUT: 120621C20

Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B835_0814 Medium parameters used: f = 837 MHz; σ = 0.98 mho/m; ε_r = 55.634; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.47, 10.47, 10.47); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.250 W/kg

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.554 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.303 mW/g
SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.261 W/kg



P315 CDMA2000 BC0_RC3+SO32_Right Side_1cm_Ch384

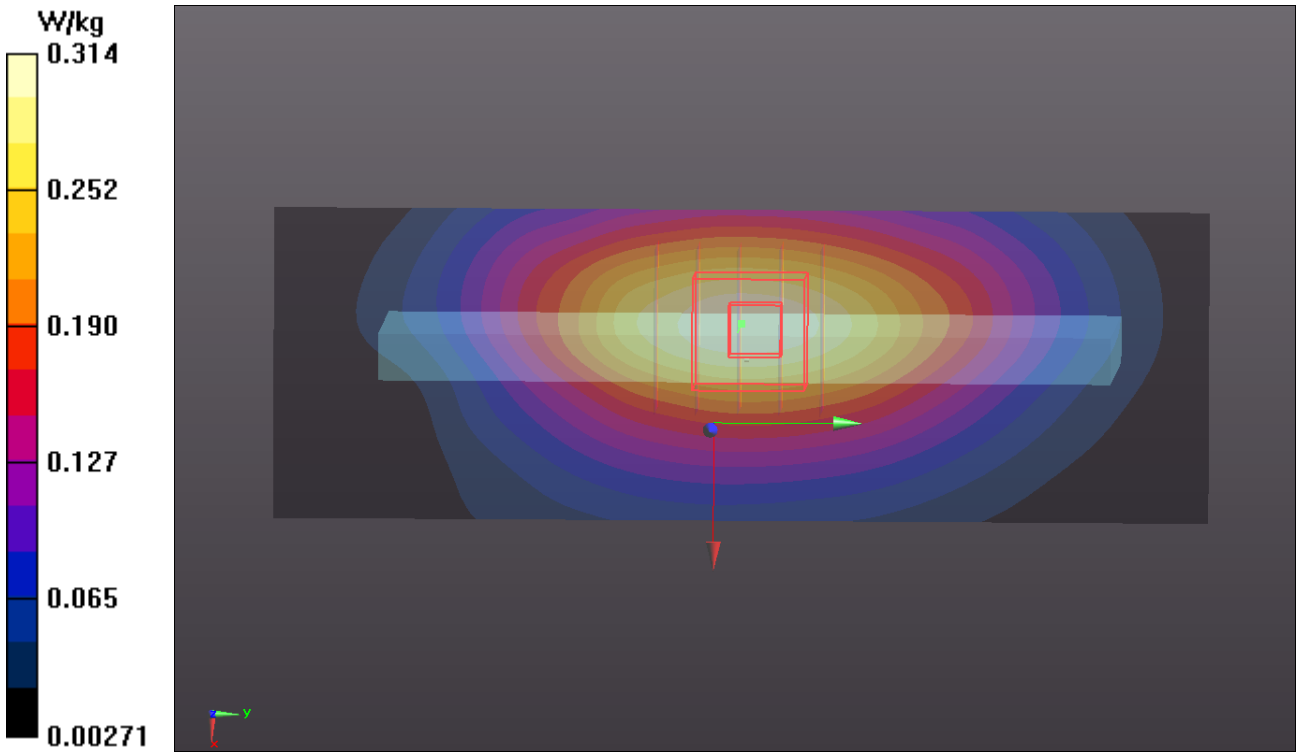
DUT: 120621C20

Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B835_0814 Medium parameters used: f = 837 MHz; σ = 0.98 mho/m; ε_r = 55.634; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.47, 10.47, 10.47); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.314 W/kg

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.182 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.364 mW/g
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 0.314 W/kg



P316 CDMA2000 BC0_RC3+SO32_Bottom Side_1cm_Ch384

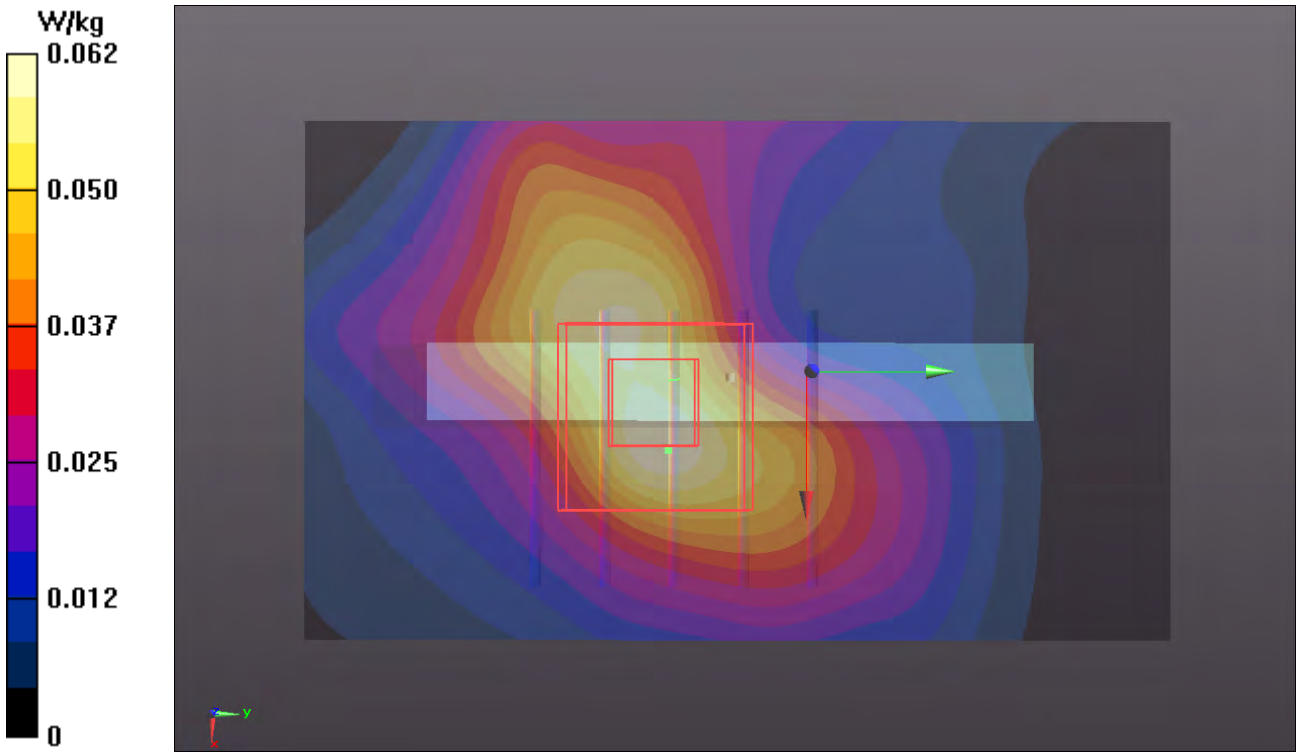
DUT: 120621C20

Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B835_0814 Medium parameters used: f = 837 MHz; σ = 0.98 mho/m; ε_r = 55.634; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.47, 10.47, 10.47); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0625 W/kg

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.997 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.097 mW/g
SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.033 mW/g
Maximum value of SAR (measured) = 0.0774 W/kg



P318 CDMA2000 BC0_RC3+SO32_Front Face_1cm_Ch384_Earphone

DUT: 120621C20

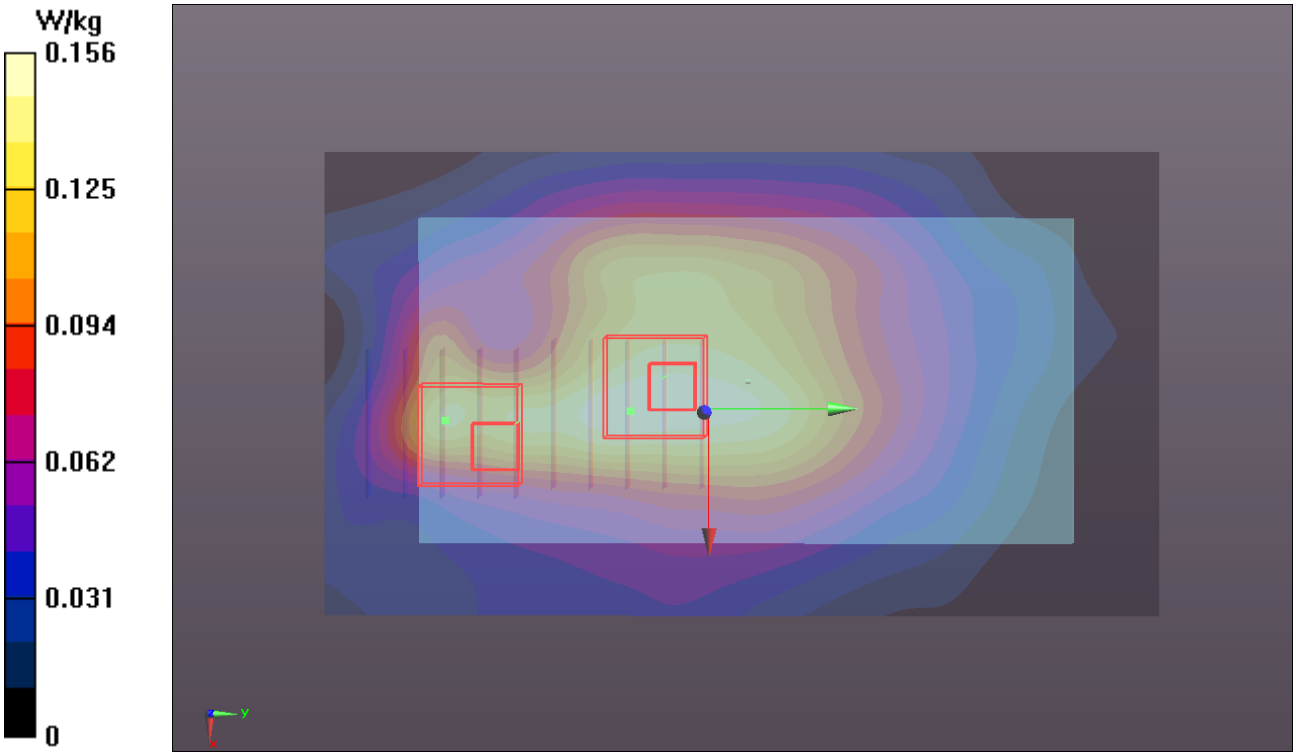
Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B835_0814 Medium parameters used: f = 837 MHz; σ = 0.98 mho/m; ε_r = 55.634; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.47, 10.47, 10.47); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.156 W/kg

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.195 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.155 mW/g
SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.140 W/kg

Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.195 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.136 mW/g
SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.114 W/kg



P319 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch384_Earphone

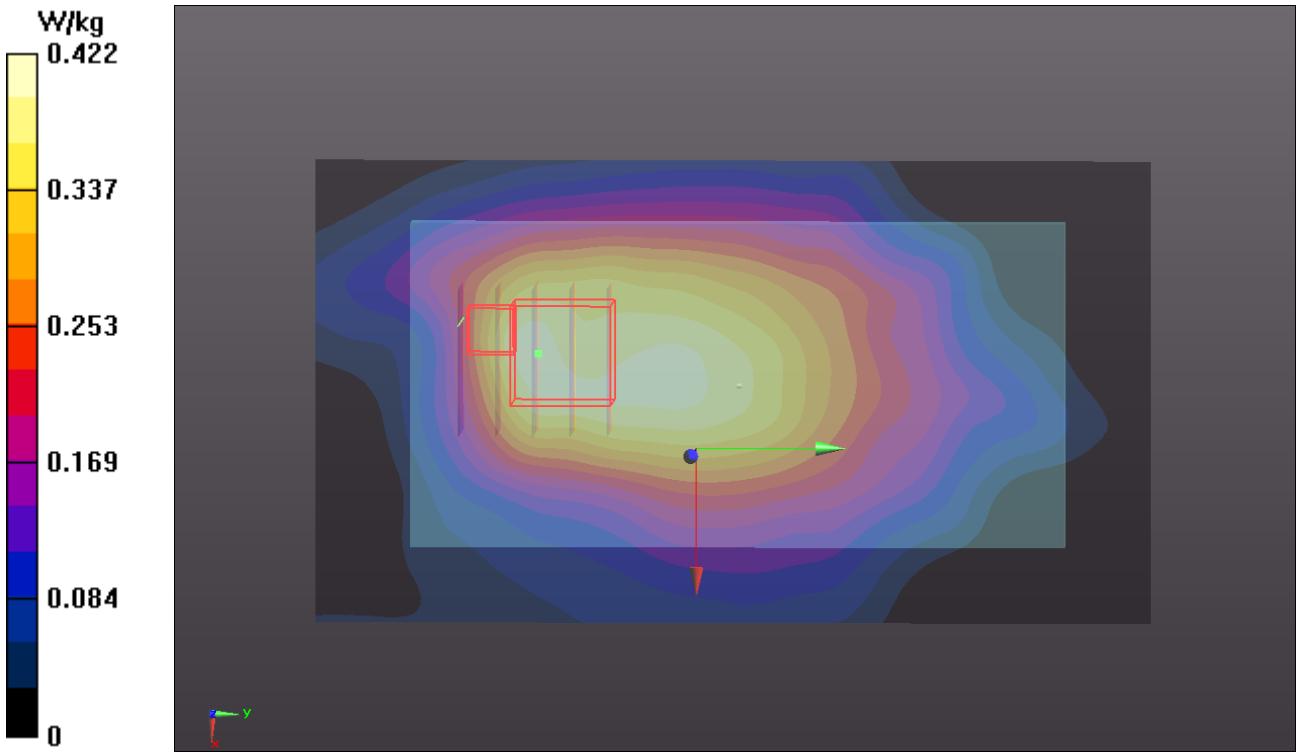
DUT: 120621C20

Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B835_0814 Medium parameters used: f = 837 MHz; σ = 0.98 mho/m; ε_r = 55.634; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.47, 10.47, 10.47); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.422 W/kg

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.626 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.568 mW/g
SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.220 mW/g
Maximum value of SAR (measured) = 0.418 W/kg



P320 CDMA2000 BC1_RC3+SO32_Front Face_1cm_Ch600

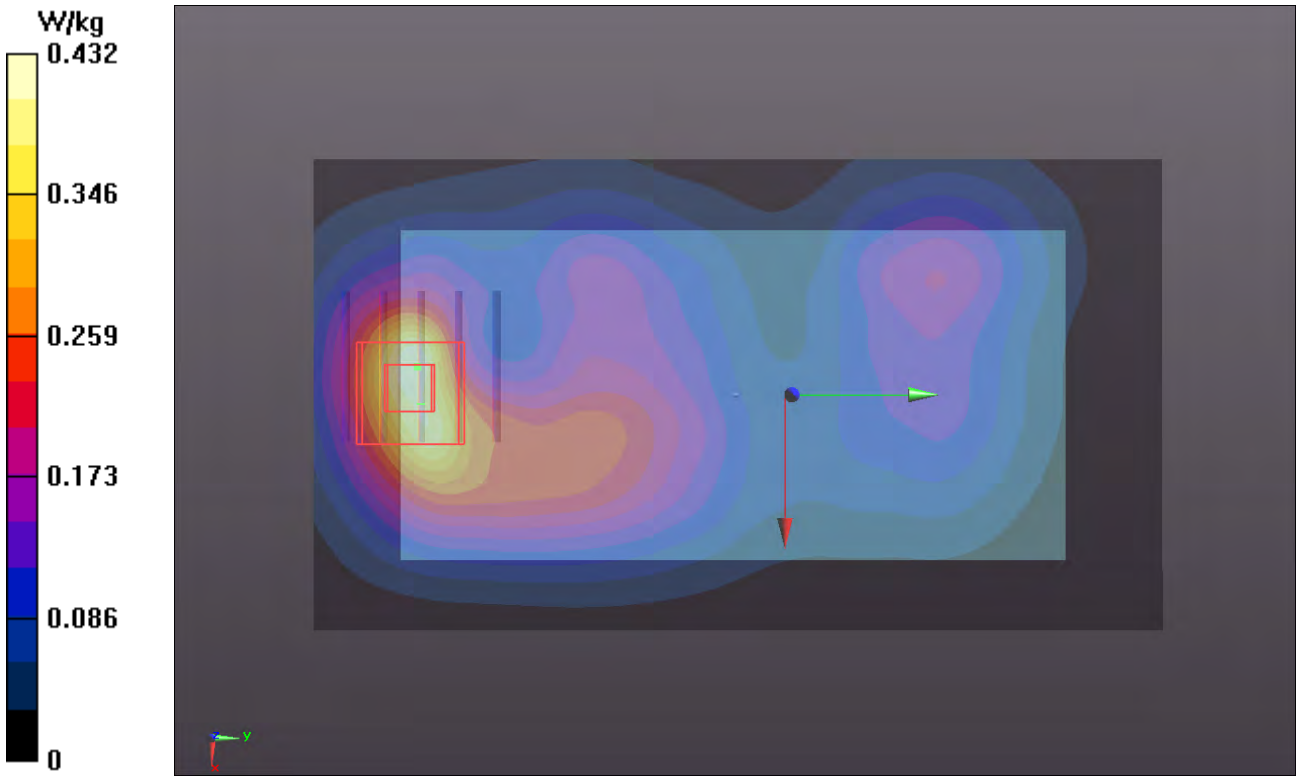
DUT: 120621C20

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch600/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.432 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.811 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.574 mW/g
SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.185 mW/g
Maximum value of SAR (measured) = 0.446 W/kg



P321 CDMA2000 BC1_RC3+SO32_Rear Face_1cm_Ch600

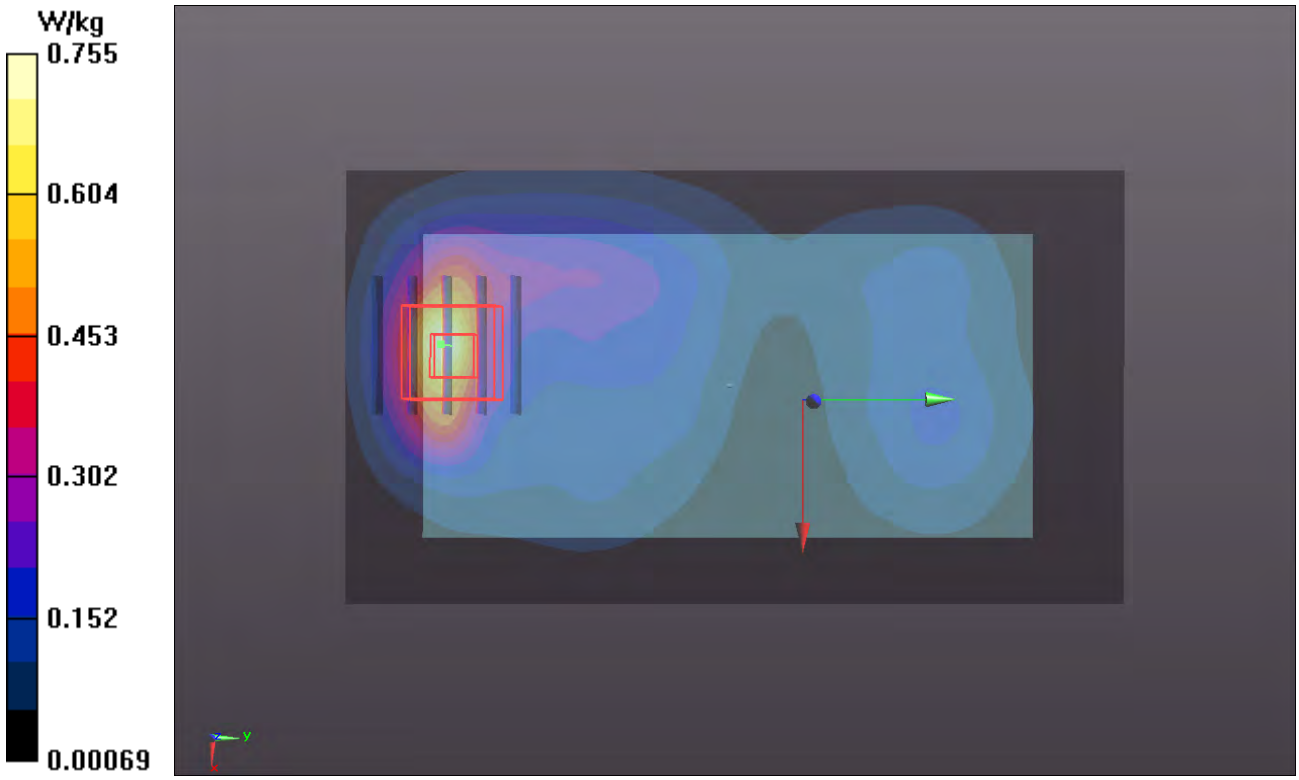
DUT: 120621C20

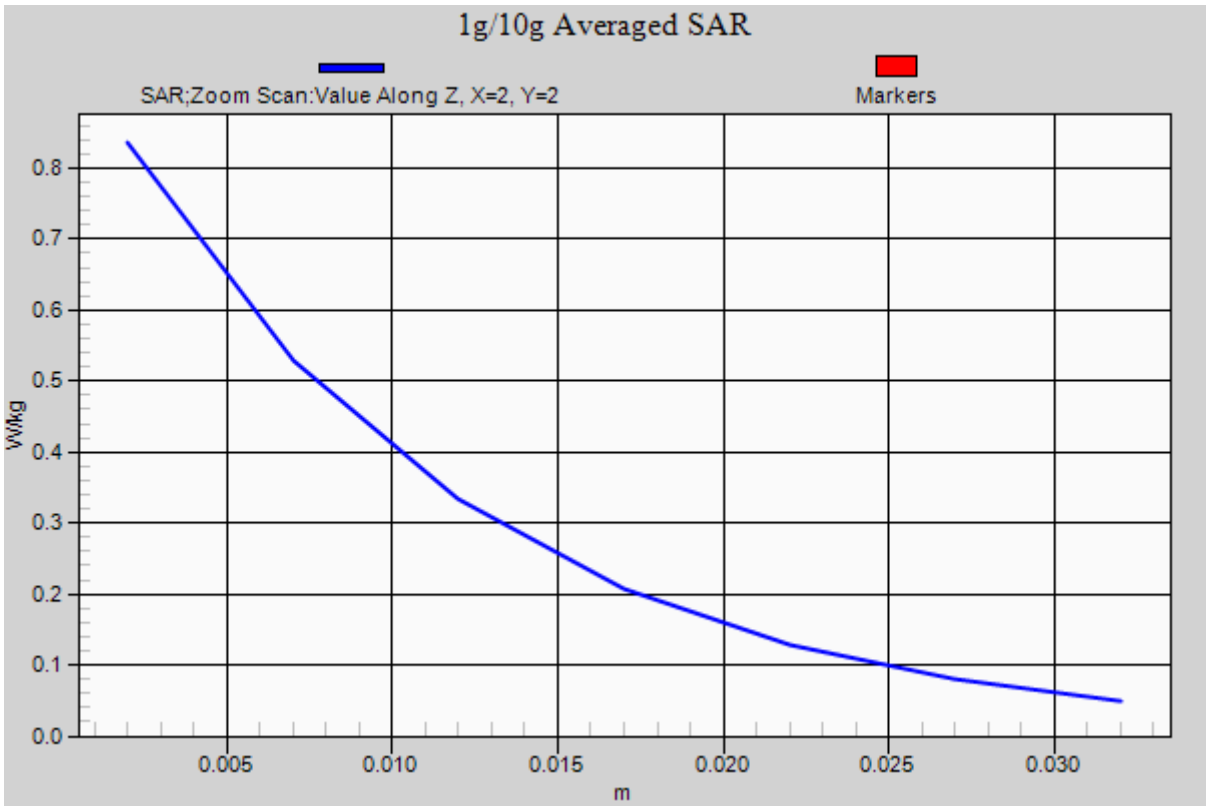
Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch600/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.755 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.712 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.128 mW/g
SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.341 mW/g
Maximum value of SAR (measured) = 0.835 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
W/kg
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

P322 CDMA2000 BC1_RC3+SO32_Left Side_1cm_Ch600

DUT: 120621C20

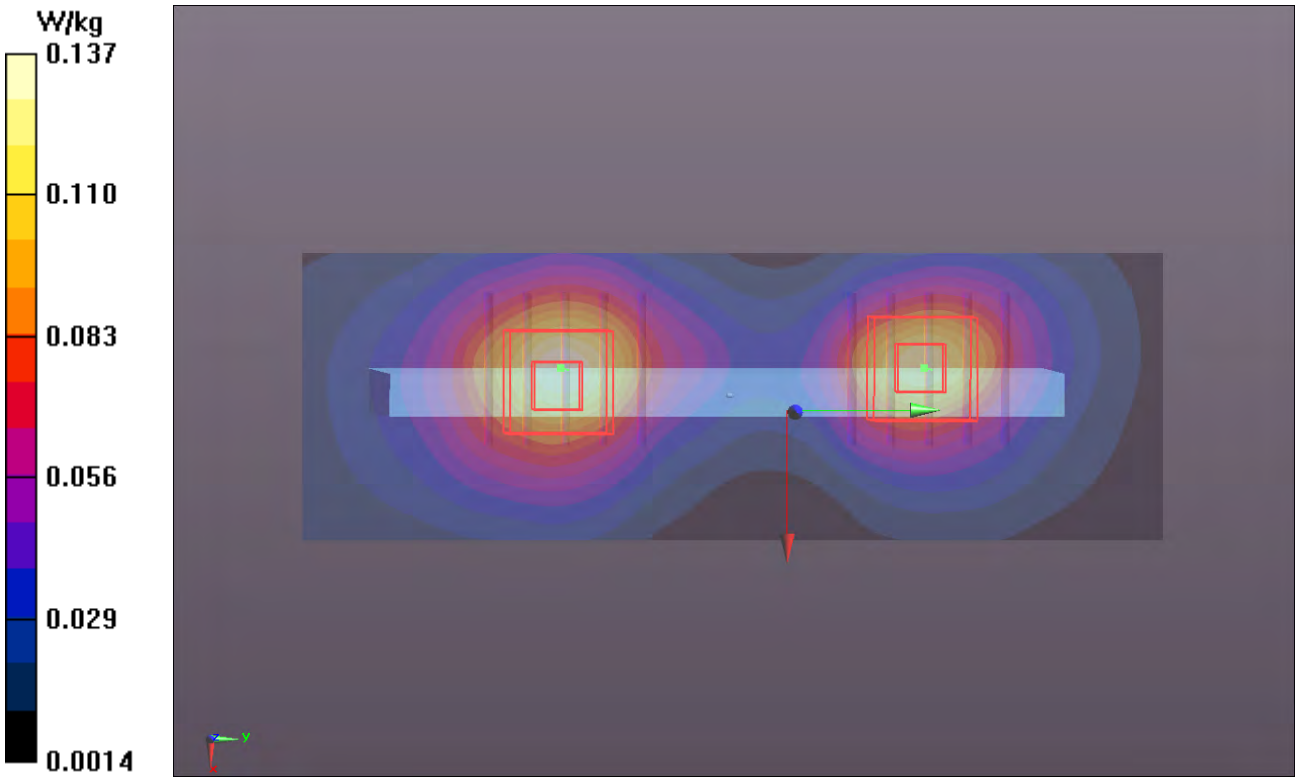
Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch600/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.137 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.145 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.178 mW/g
SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.141 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.145 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.151 mW/g
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.056 mW/g
Maximum value of SAR (measured) = 0.125 W/kg



P323 CDMA2000 BC1_RC3+SO32_Right Side_1cm_Ch600

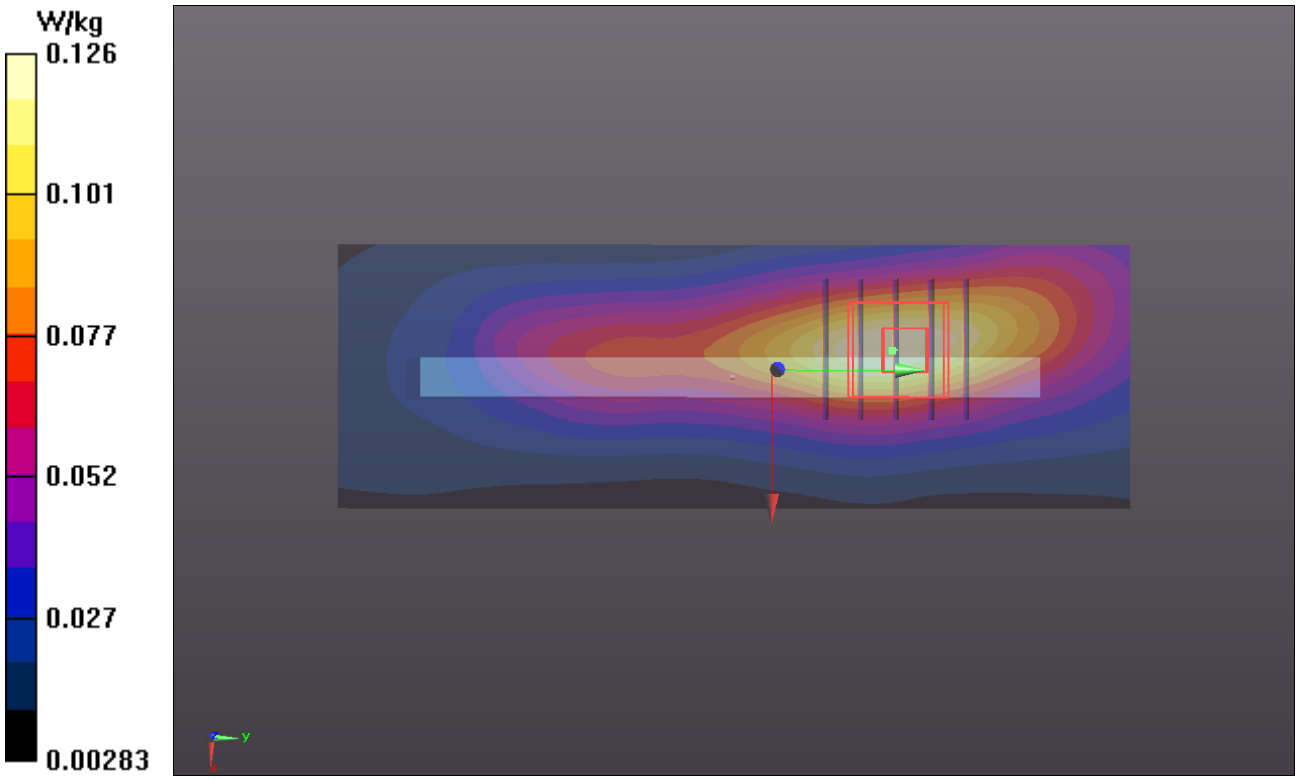
DUT: 120621C20

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch600/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.128 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.054 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.153 mW/g
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.126 W/kg



P325 CDMA2000 BC1_RC3+SO32_Bottom Side_1cm_Ch600

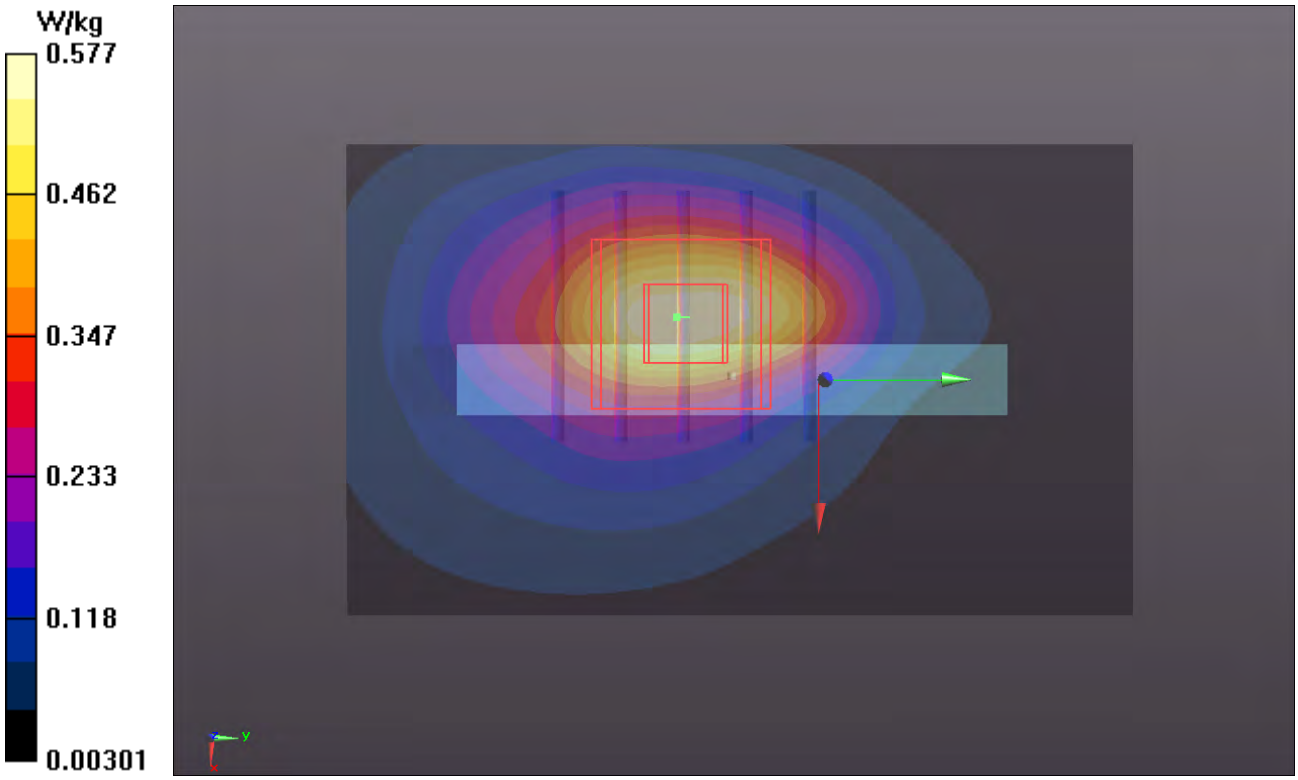
DUT: 120621C20

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch600/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.577 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.751 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.717 mW/g
SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.247 mW/g
Maximum value of SAR (measured) = 0.588 W/kg



P326 CDMA2000 BC1_RC3+SO32_Front Face_1cm_Ch600_Earphone

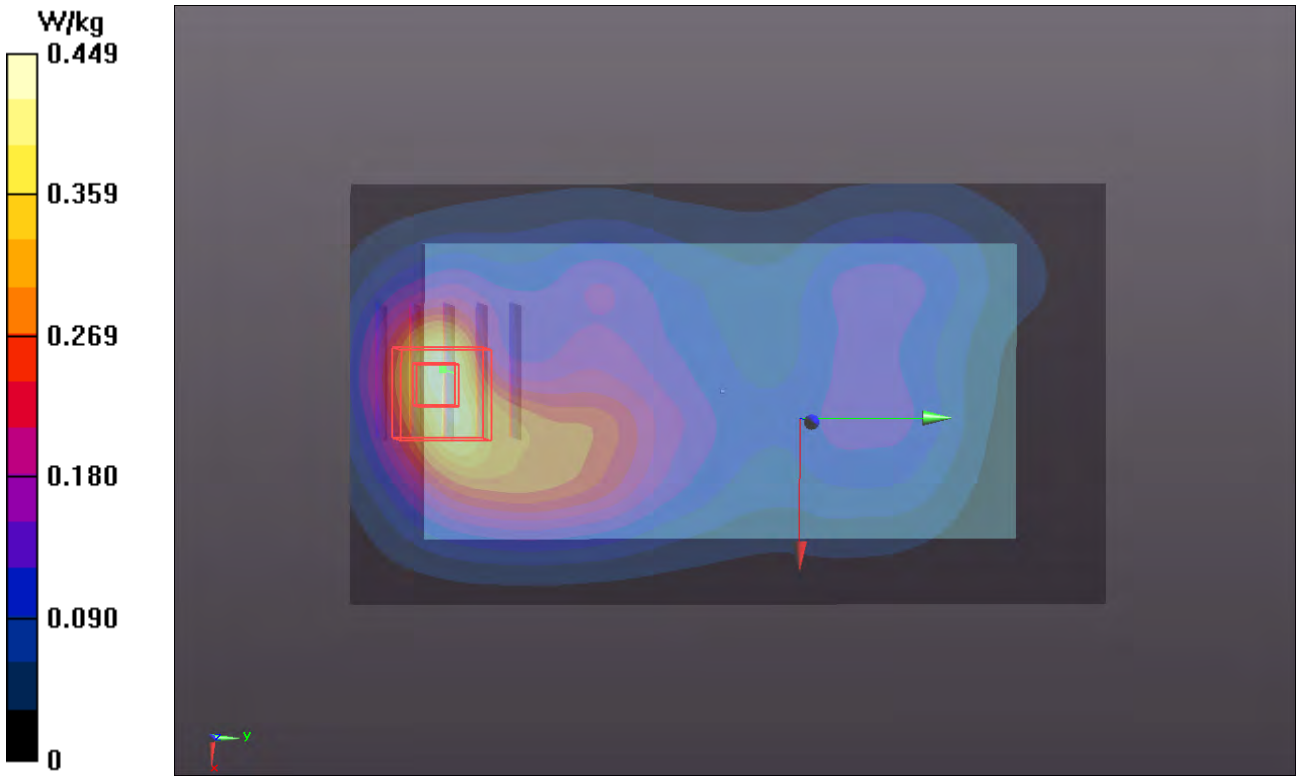
DUT: 120621C20

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch600/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.449 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.138 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.575 mW/g
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.451 W/kg



P327 CDMA2000 BC1_RC3+SO32_Rear Face_1cm_Ch600_Earphone

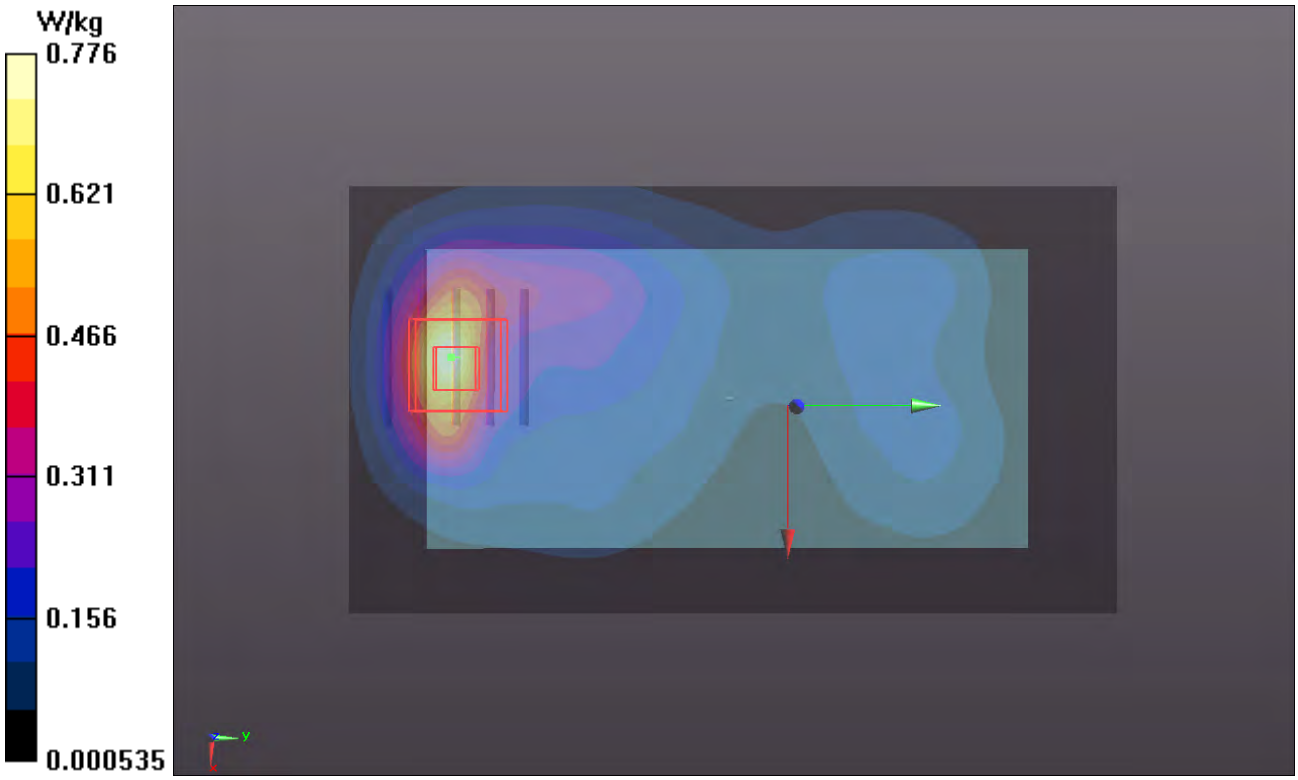
DUT: 120621C20

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0815 Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 52.925; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch600/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.776 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.839 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.093 mW/g
SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 0.865 W/kg



P216 LTE 13_QPSK_10M_Front Face_1cm_Ch23230_25 RB_Offset 12

DUT: 120621C20

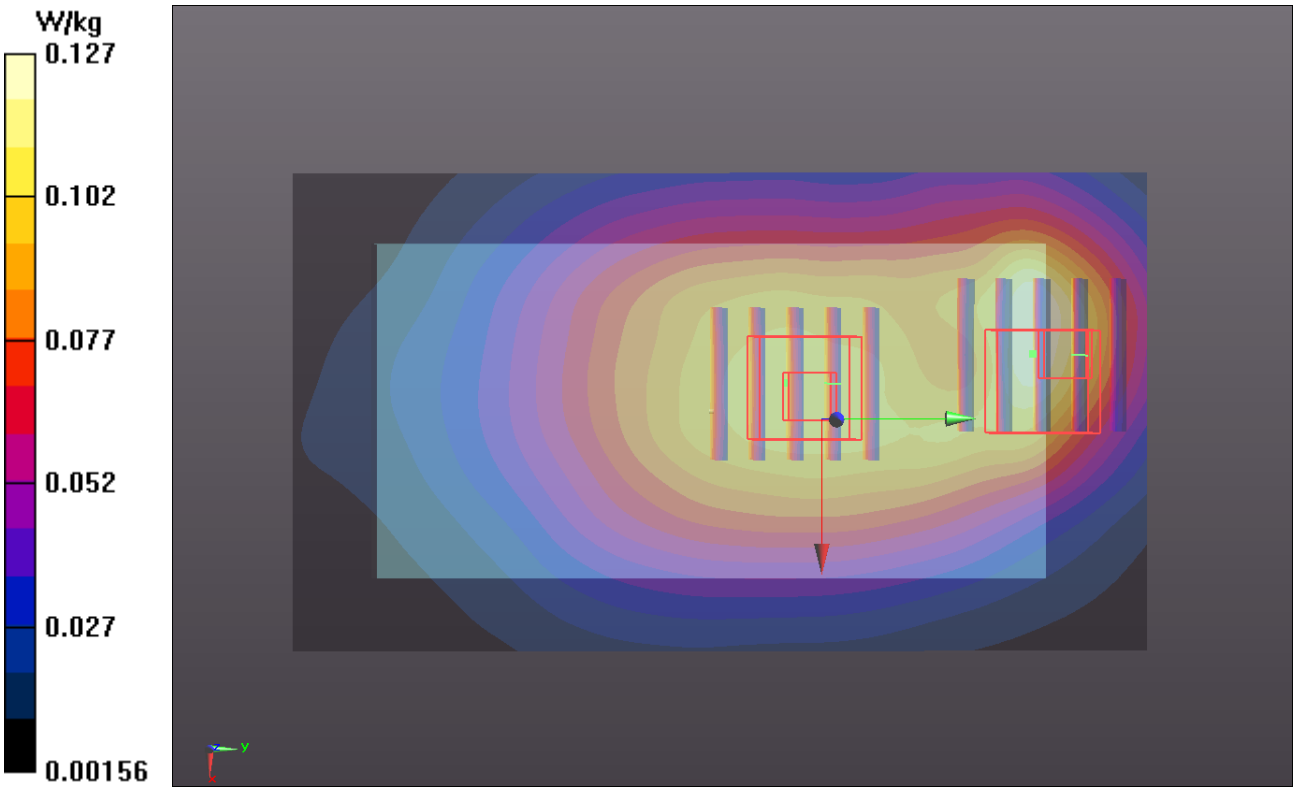
Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.127 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.193 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.113 mW/g
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.104 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.193 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.147 mW/g
SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.056 mW/g
Maximum value of SAR (measured) = 0.116 W/kg



P217 LTE 13_QPSK_10M_Rear Face_1cm_Ch23230_25 RB_Offset 12

DUT: 120621C20

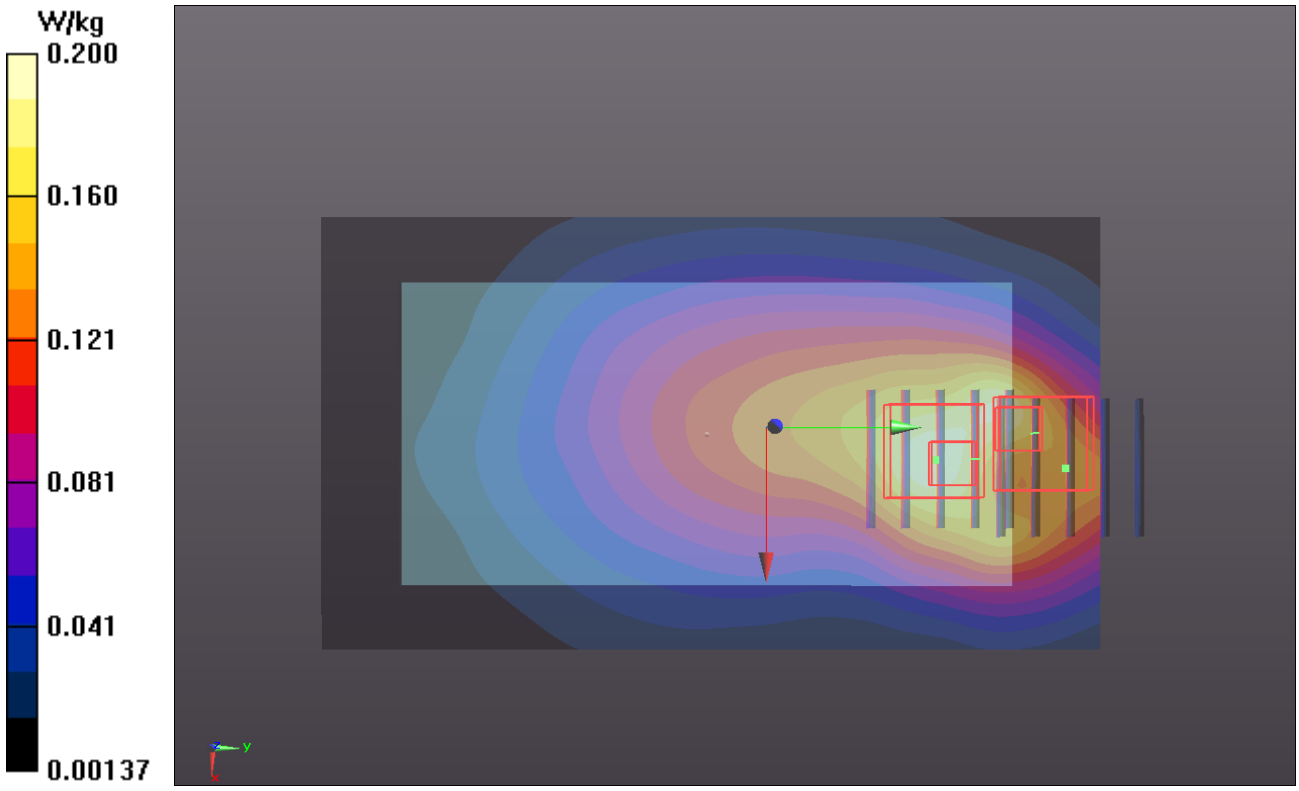
Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.200 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.969 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.292 mW/g
SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.225 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.969 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.303 mW/g
SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.224 W/kg



P333 LTE 13_QPSK_10M_Left Side_1cm_Ch23230_25RB_Offset 12

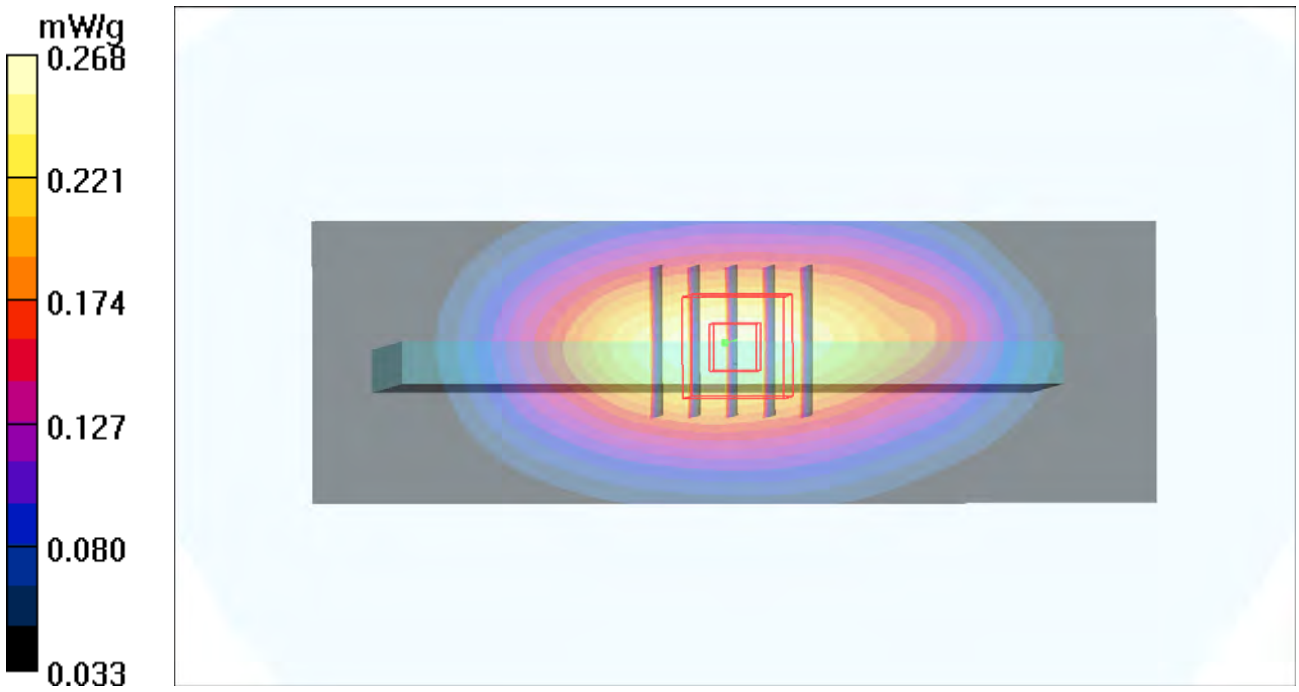
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0822 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.269 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.9 V/m; Power Drift = -0.188 dB
Peak SAR (extrapolated) = 0.307 W/kg
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.268 mW/g



P220 LTE 13_QPSK_10M_Top Side_1cm_Ch23230_25 RB_Offset 12

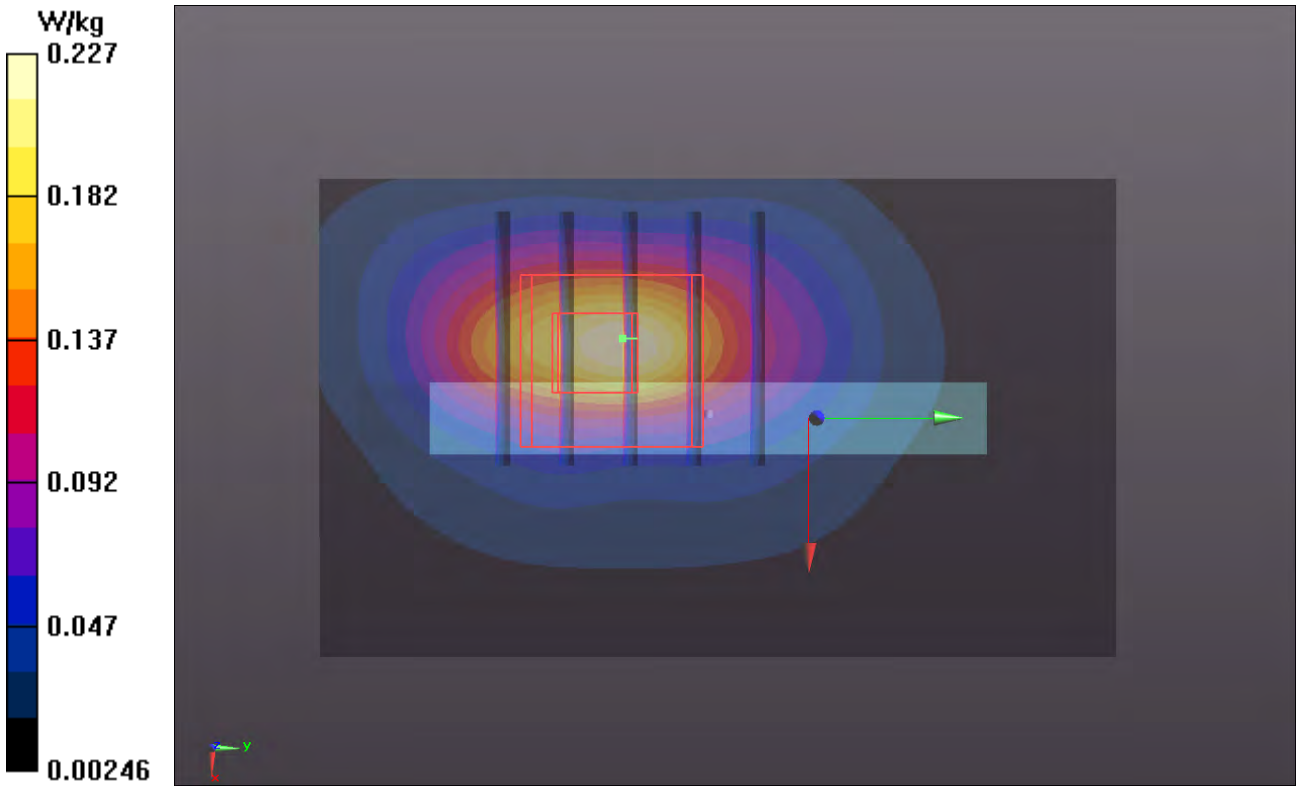
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.227 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.866 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.330 mW/g
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.236 W/kg



P222 LTE 13_QPSK_10M_Front Face_1cm_Ch23230_1 RB_Offset 0

DUT: 120621C20

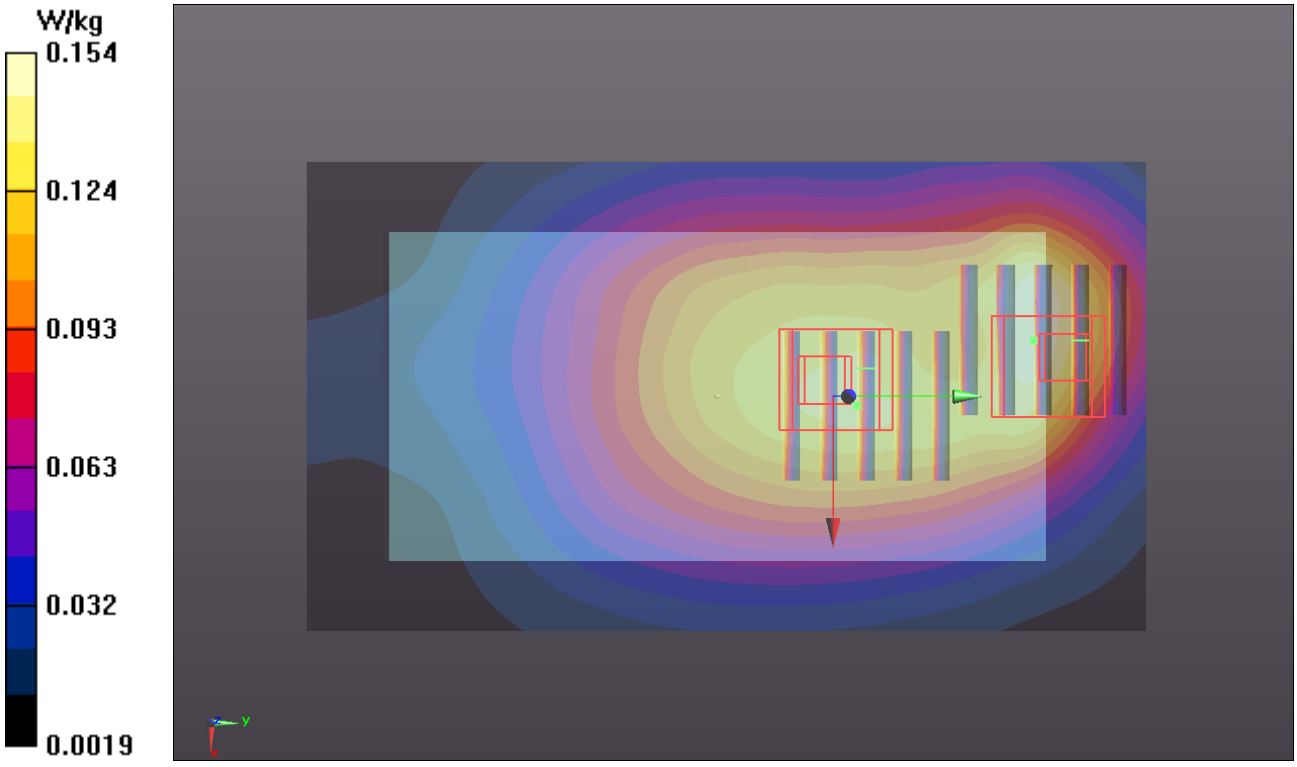
Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.154 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.304 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.142 mW/g
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.128 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.304 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.177 mW/g
SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.070 mW/g
Maximum value of SAR (measured) = 0.143 W/kg



P223 LTE 13_QPSK_10M_Rear Face_1cm_Ch23230_1 RB_Offset 0

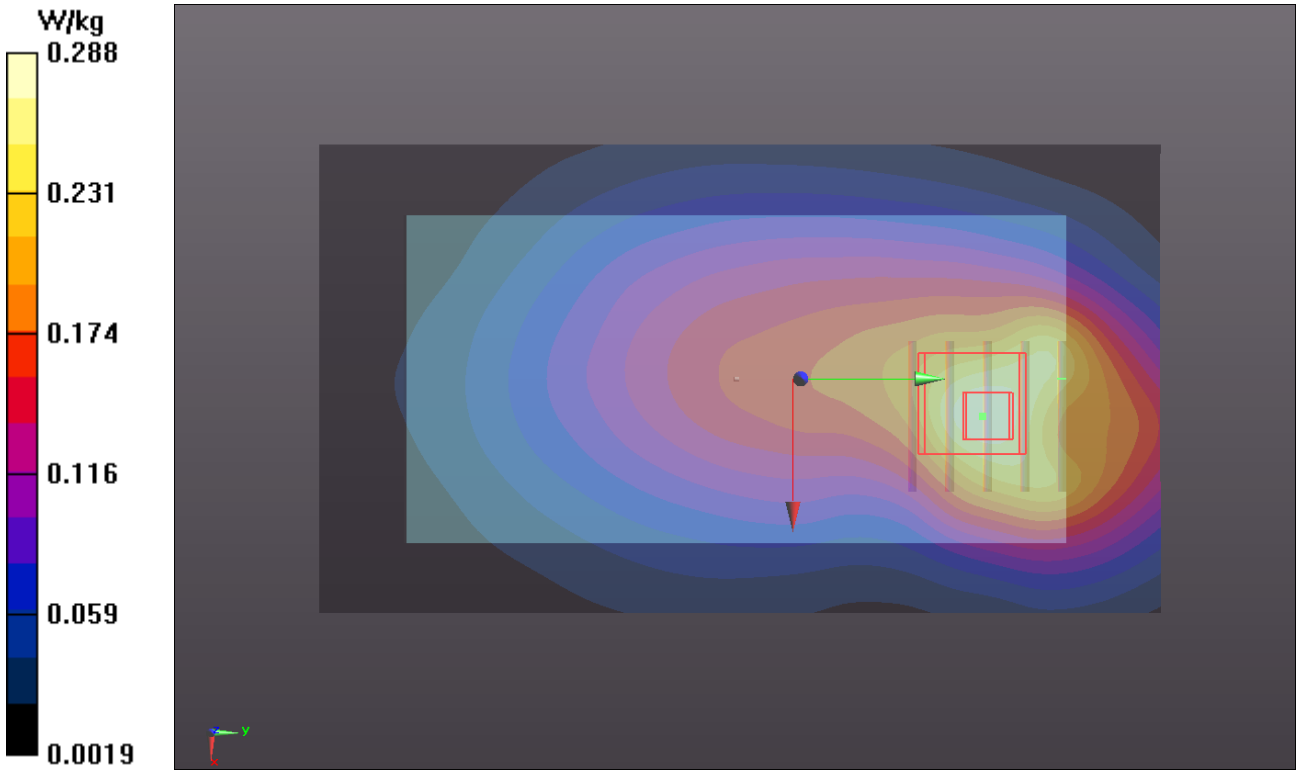
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.288 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.155 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.397 mW/g
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.291 W/kg



P334 LTE 13_QPSK_10M_Left Side_1cm_Ch23230_1RB_Offset 0

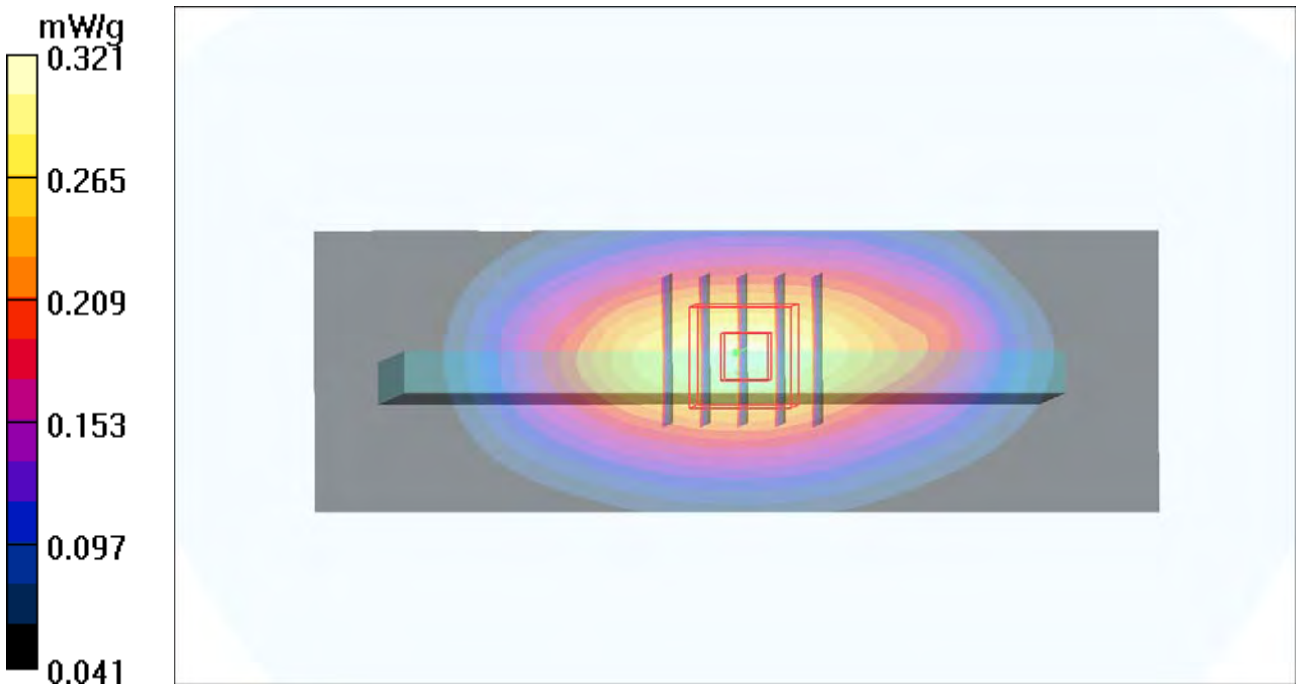
DUT: 120621C20

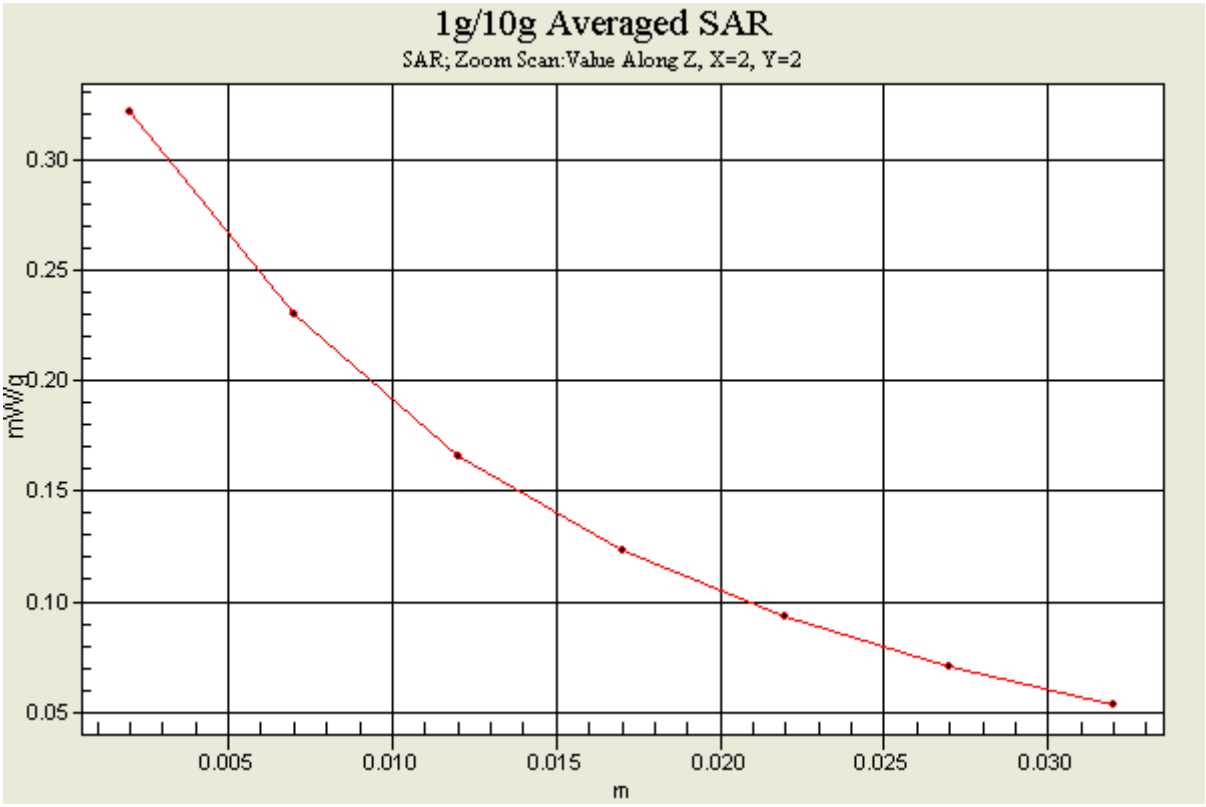
Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0822 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.308 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.3 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 0.367 W/kg
SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.321 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
mW/g
0.30
0.25
0.20
0.15
0.10
0.05
0.005
0.010
0.015
0.020
0.025
0.030
m

P226 LTE 13_QPSK_10M_Top Side_1cm_Ch23230_1 RB_Offset 0

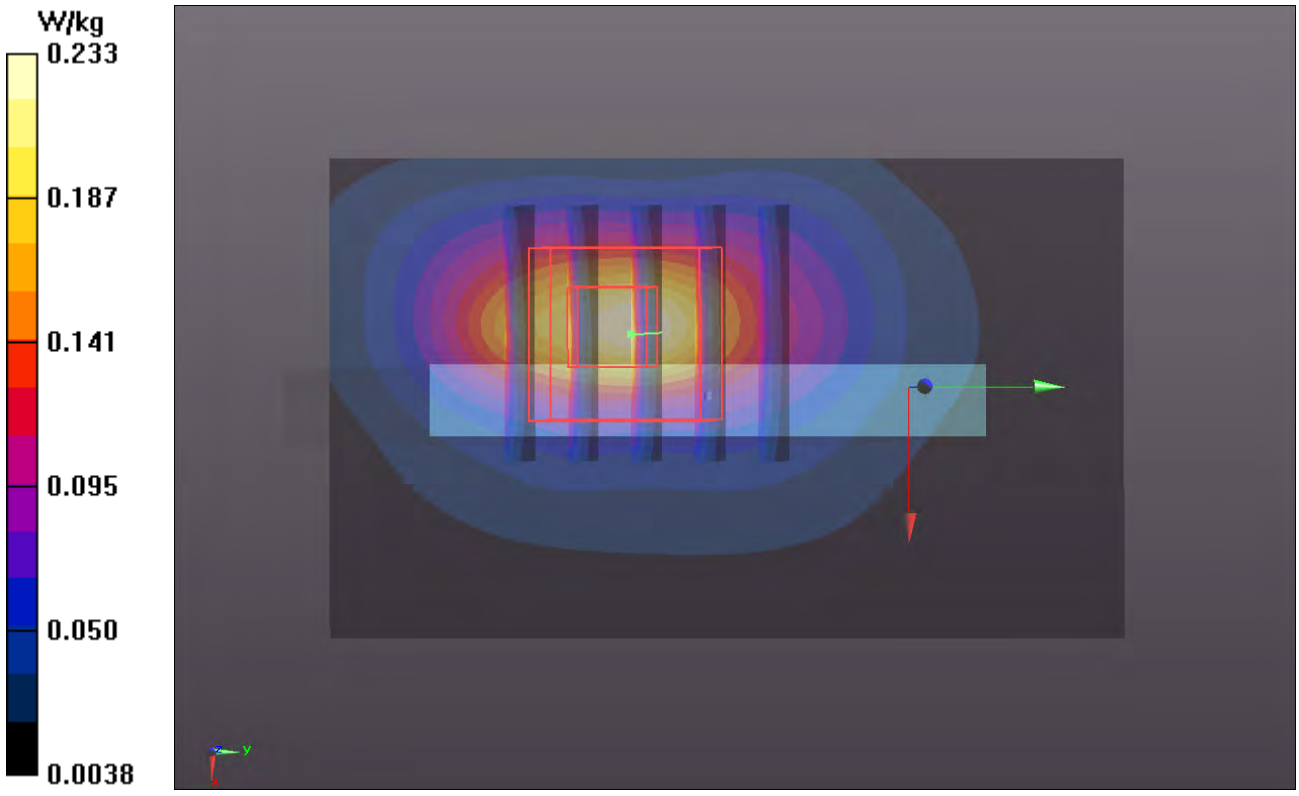
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.233 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.372 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.328 mW/g
SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.241 W/kg



P228 LTE 13_QPSK_10M_Front Face_1cm_Ch23230_1 RB_Offset 49

DUT: 120621C20

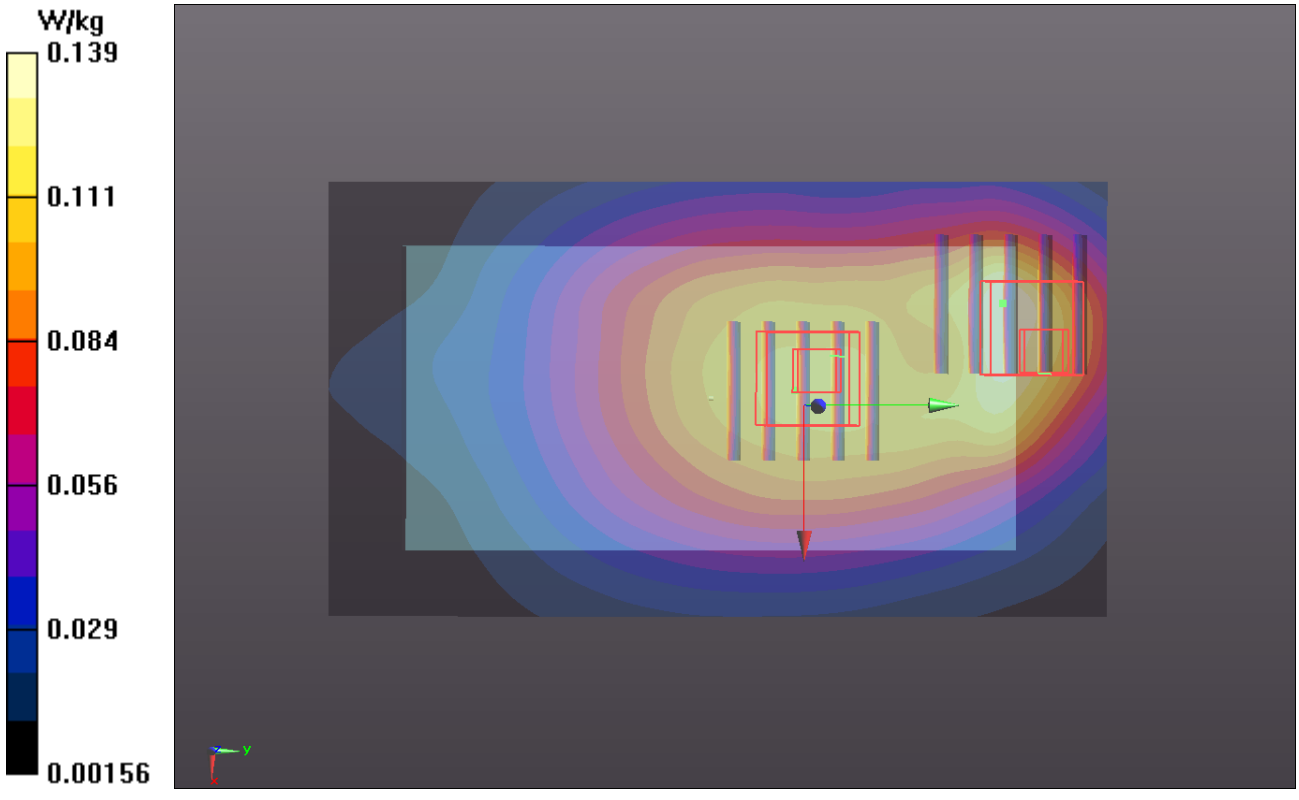
Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.139 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.396 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.122 mW/g
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.113 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.396 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.176 mW/g
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.133 W/kg



P229 LTE 13_QPSK_10M_Rear Face_1cm_Ch23230_1 RB_Offset 49

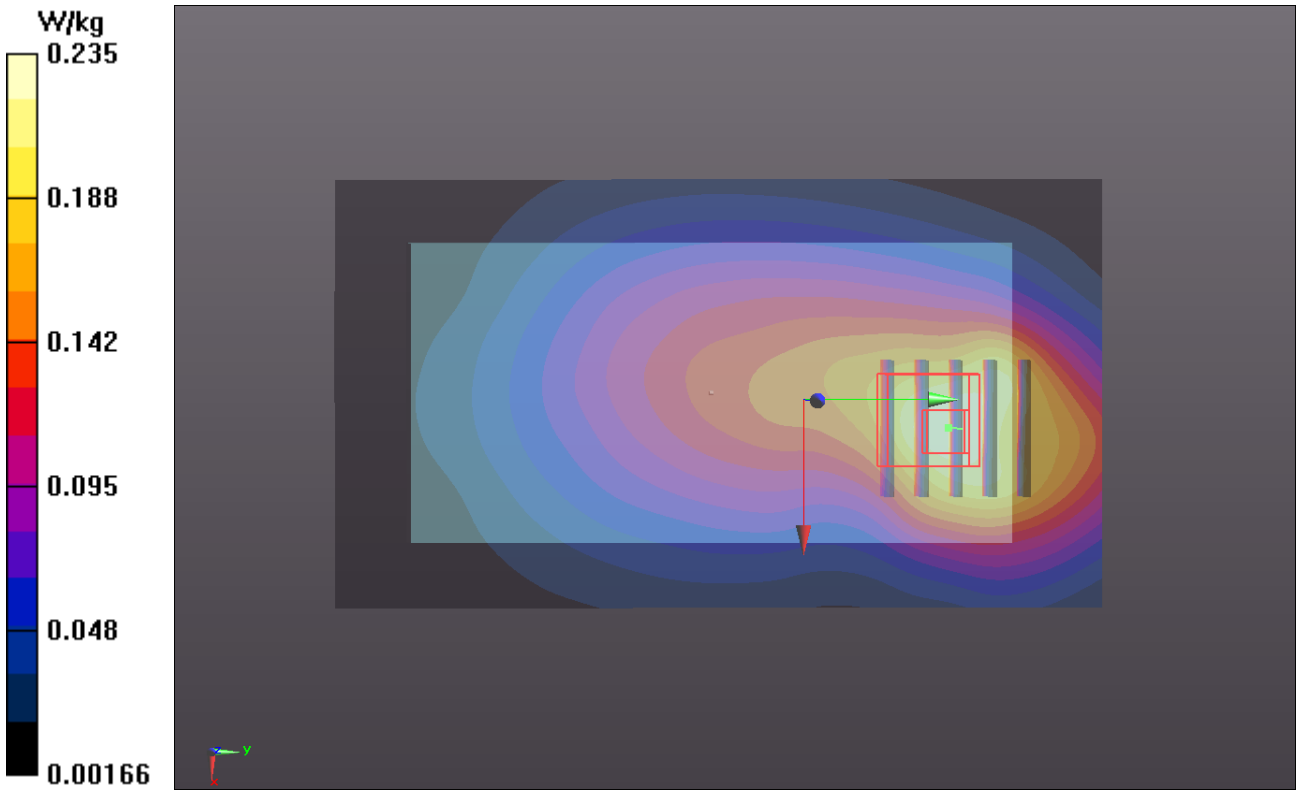
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.235 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.051 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.329 mW/g
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.251 W/kg



P335 LTE 13_QPSK_10M_Left Side_1cm_Ch23230_1RB_Offset 49

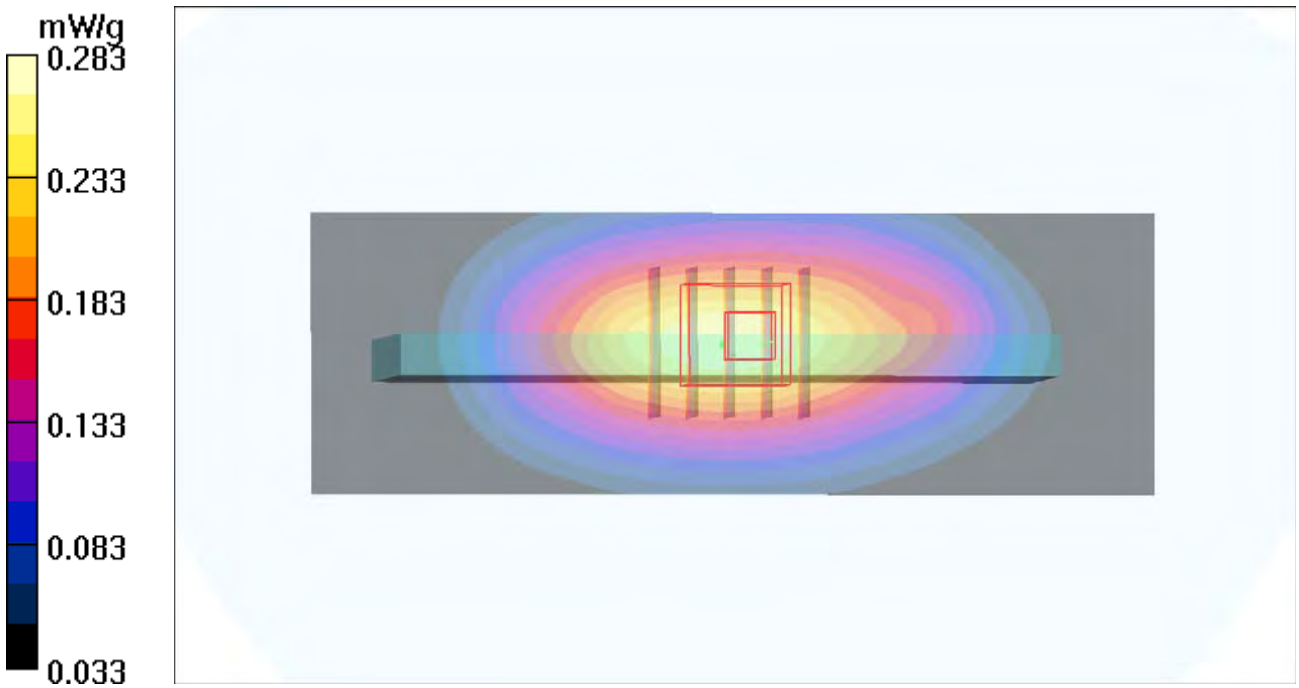
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0822 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.265 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.1 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.324 W/kg
SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.283 mW/g



P232 LTE 13_QPSK_10M_Top Side_1cm_Ch23230_1 RB_Offset 49

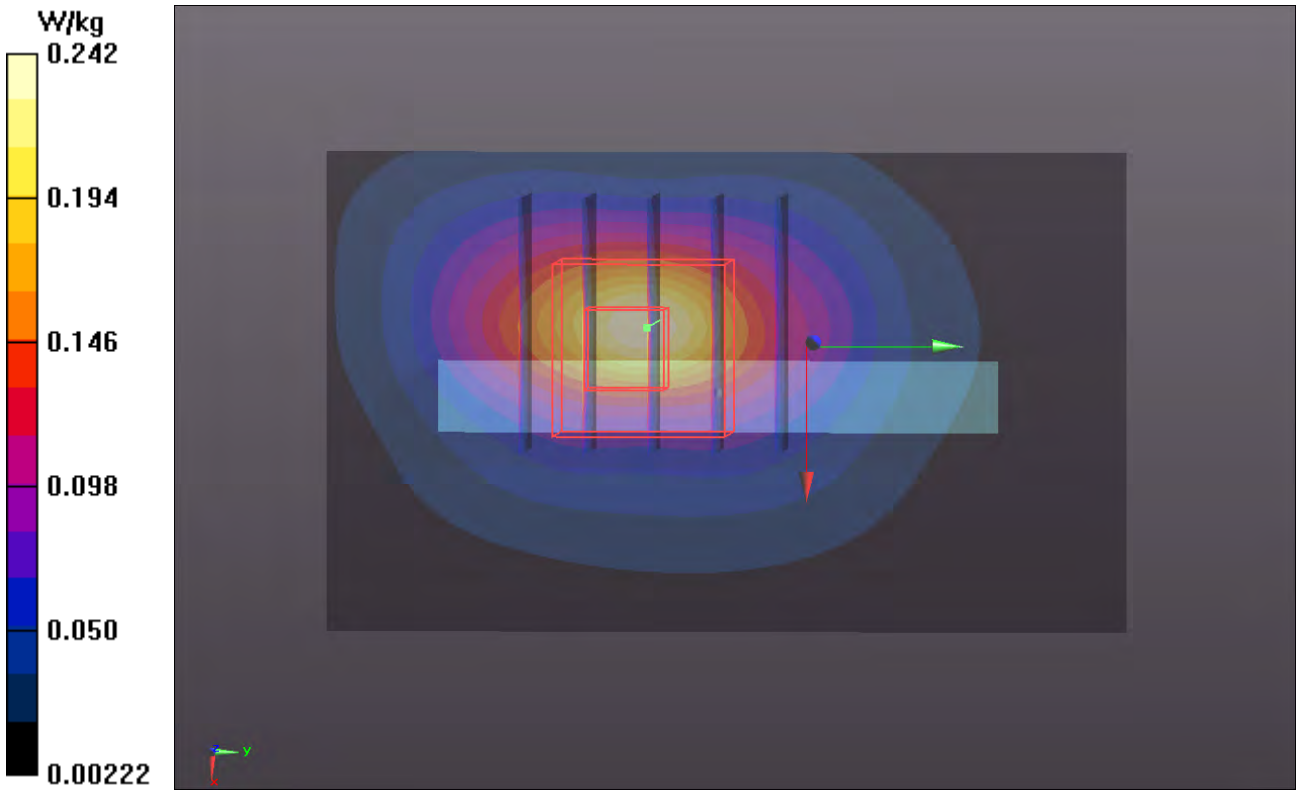
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.242 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.122 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.371 mW/g
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.257 W/kg



P284 LTE 13_16QAM_10M_Front Face_1cm_Ch23230_1RB_offset 0

DUT: 120621C20

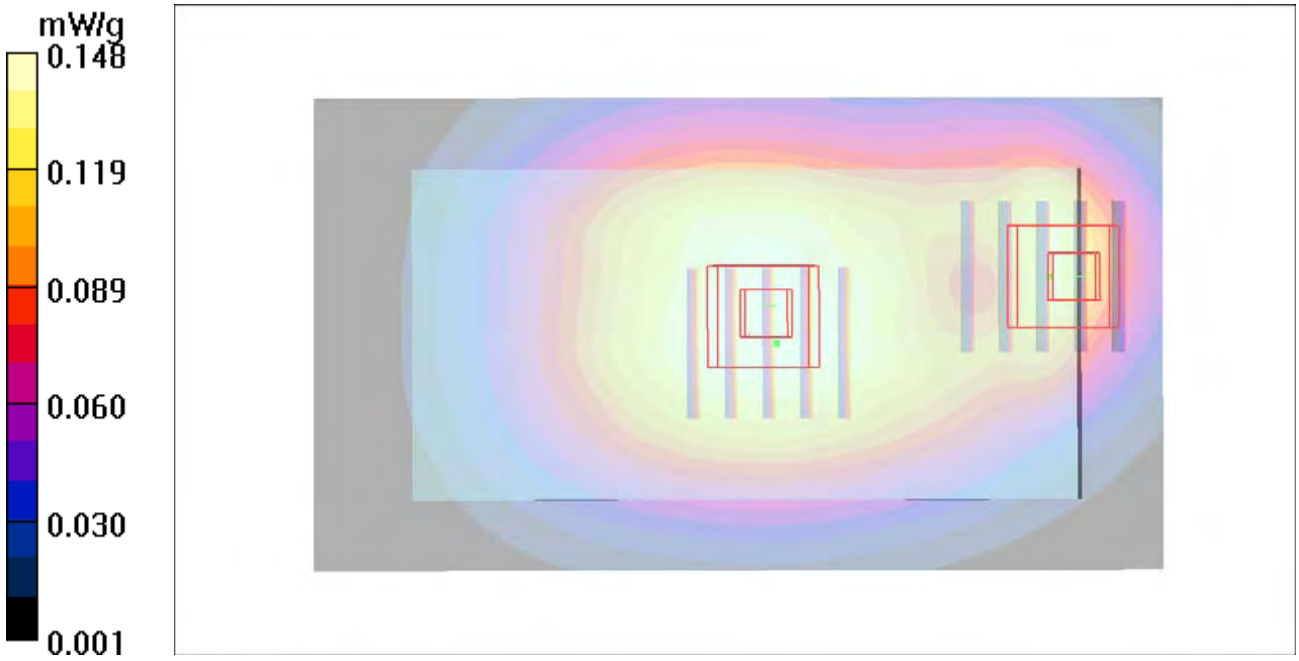
Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_1022 Medium parameters used: f = 782 MHz; σ = 0.994 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.148 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.3 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.157 W/kg
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.144 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.3 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.054 mW/g
Maximum value of SAR (measured) = 0.117 mW/g



P234 LTE 13_16QAM_10M_Rear Face_1cm_Ch23230_1 RB_Offset 0

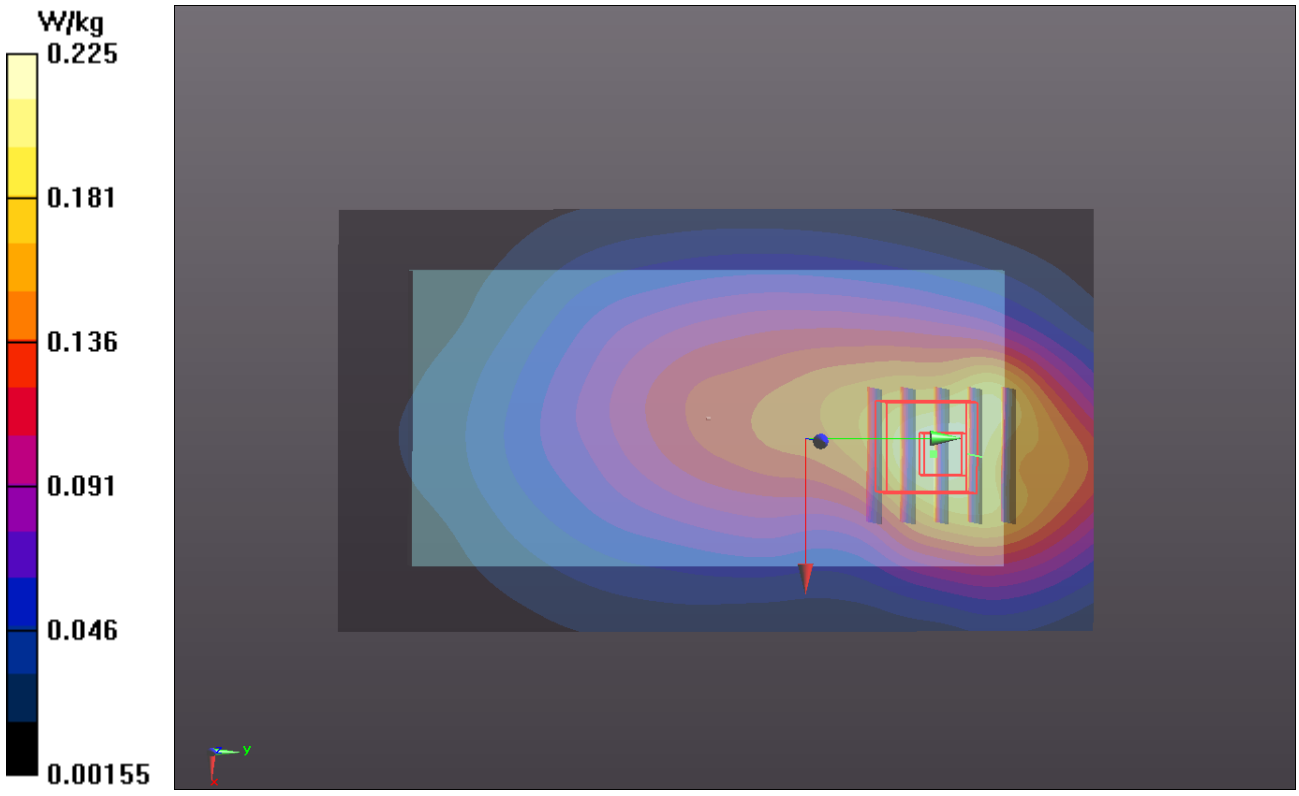
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.225 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.742 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.312 mW/g
SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.113 mW/g
Maximum value of SAR (measured) = 0.229 W/kg



P336 LTE 13_16QAM_10M_Left Side_1cm_Ch23230_25RB_Offset 12

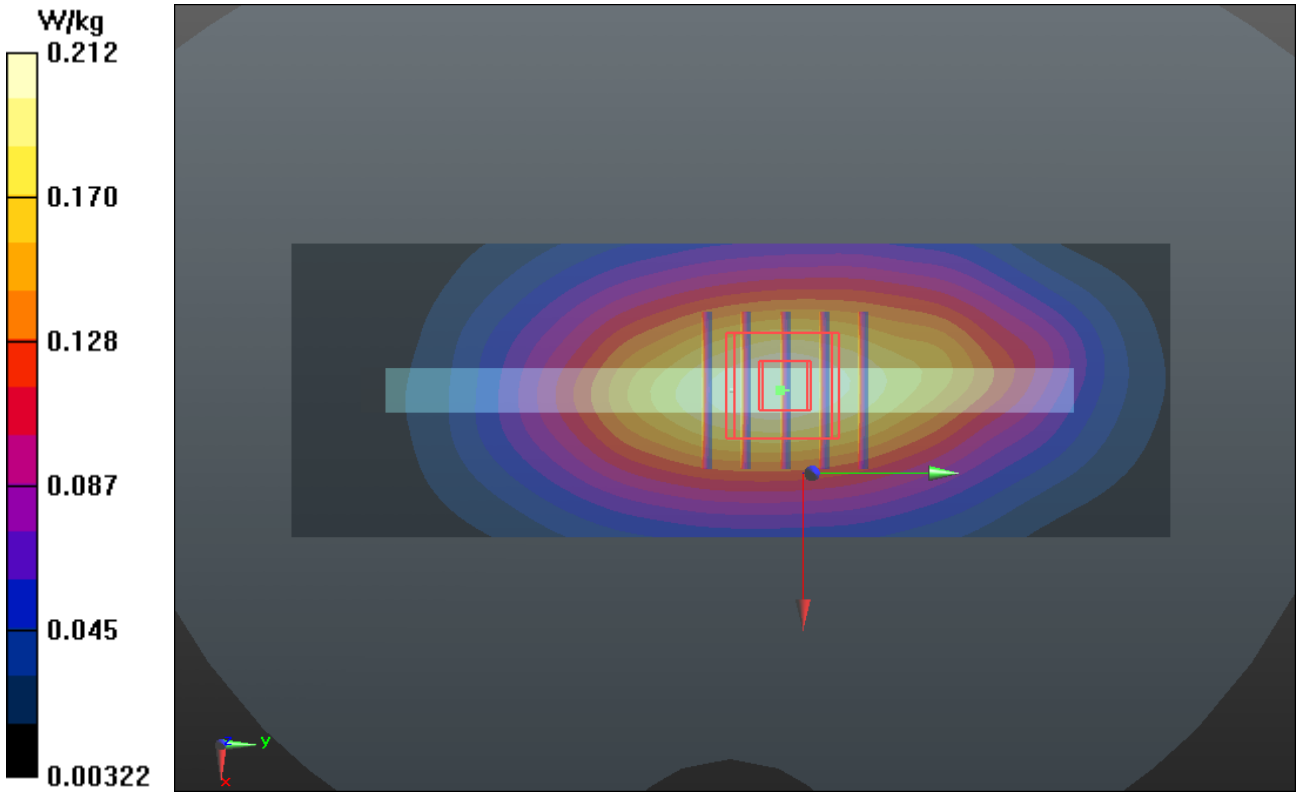
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0823 Medium parameters used: f = 782 MHz; σ = 0.993 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Ambient Temperature：21.2 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.212 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.286 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.256 mW/g
SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.225 W/kg



P337 LTE 13_16QAM_10M_Left Side_1cm_Ch23230_1RB_Offset 0

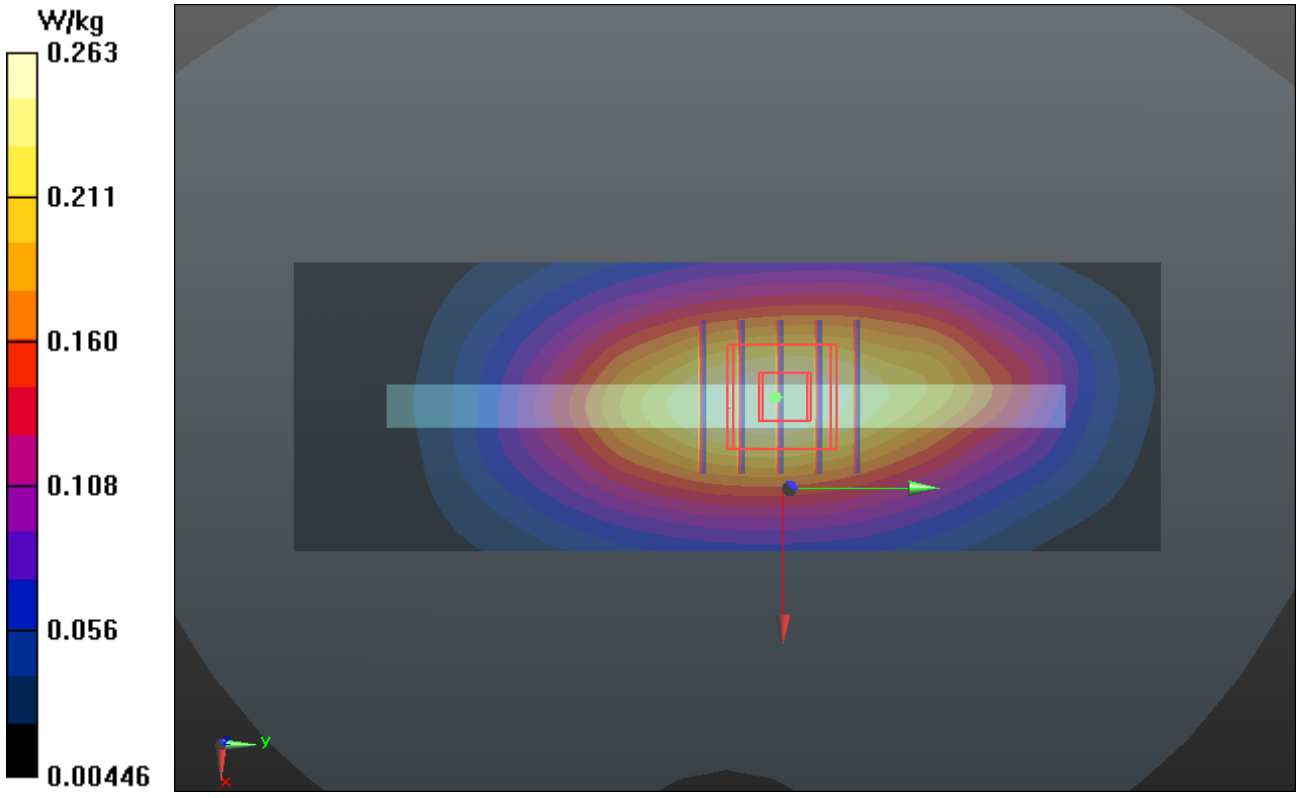
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0823 Medium parameters used: f = 782 MHz; σ = 0.993 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Ambient Temperature：21.2 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.263 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.756 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.312 mW/g
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.271 W/kg



P338 LTE 13_16QAM_10M_Left Side_1cm_Ch23230_1RB_Offset 49

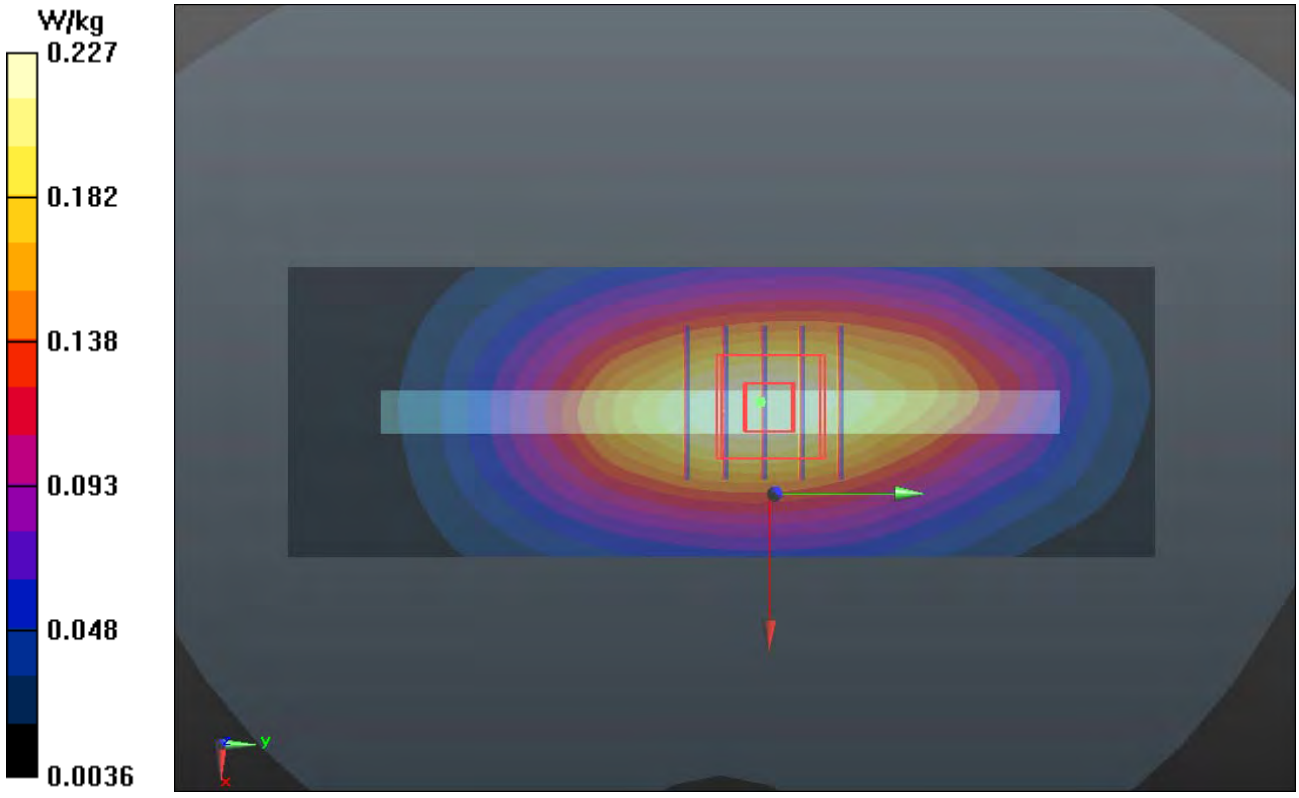
DUT: 120621C20

Communication System: LTE band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0823 Medium parameters used: f = 782 MHz; σ = 0.993 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Ambient Temperature：21.2 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.227 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.693 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.272 mW/g
SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.241 W/kg



P289 LTE 13_16QAM_10M_Top Side_1cm_Ch23230_1RB_offset 0

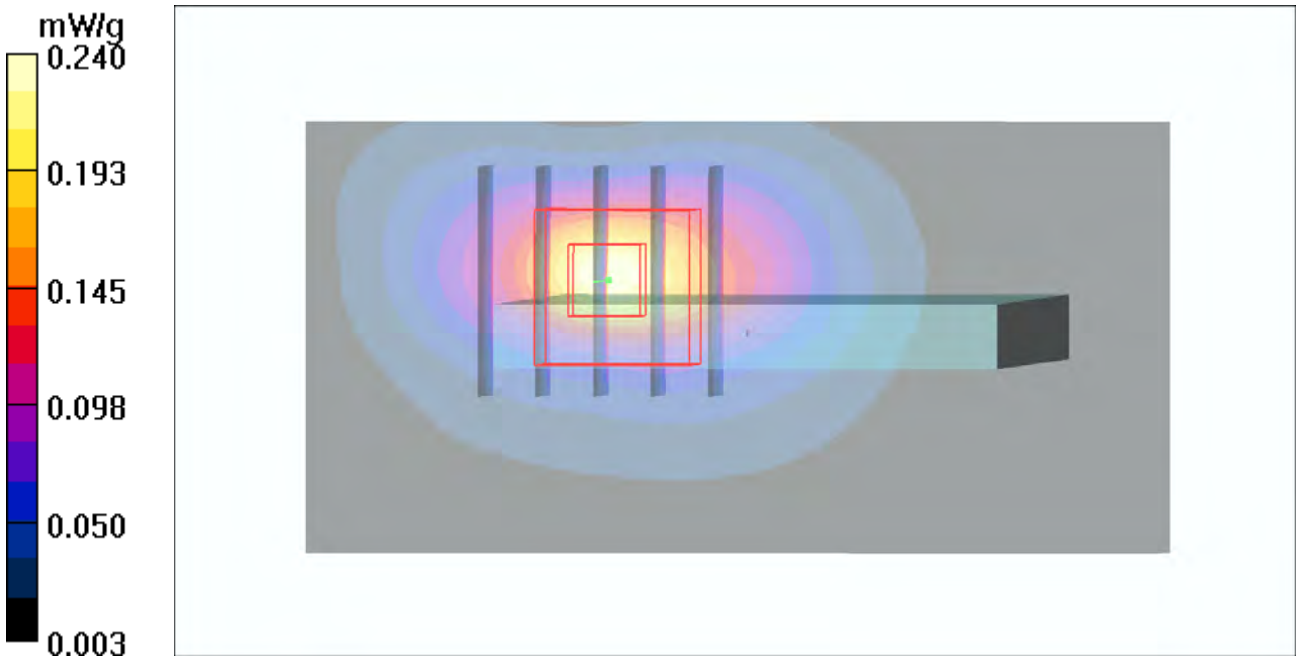
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_1022 Medium parameters used: f = 782 MHz; σ = 0.994 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.240 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.70 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.334 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.249 mW/g



P236 LTE 13_QPSK_10M_Front Face_1cm_Ch23230_25 RB_Offset 12_Earphone

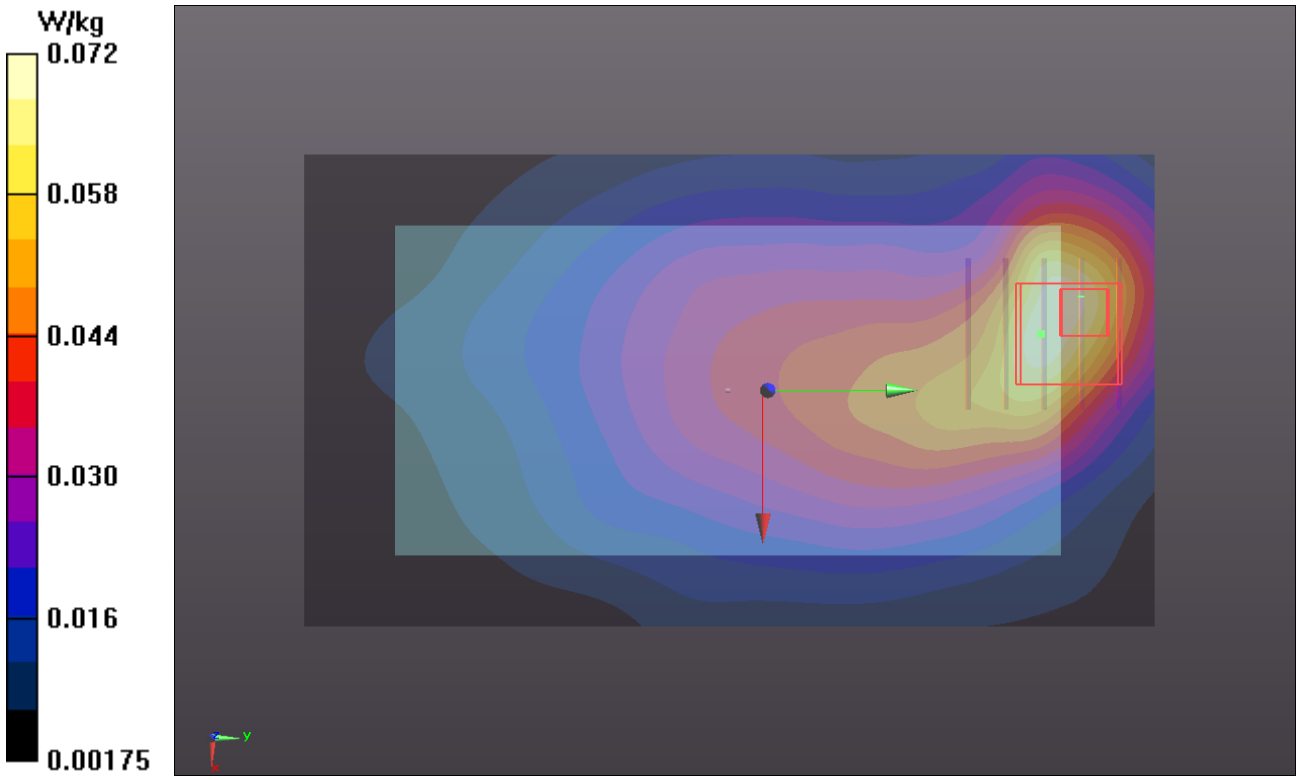
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0716 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.920 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.093 mW/g
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.0737 W/kg



P237 LTE 13_QPSK_10M_Rear Face_1cm_Ch23230_25 RB_Offset 12_Earphone

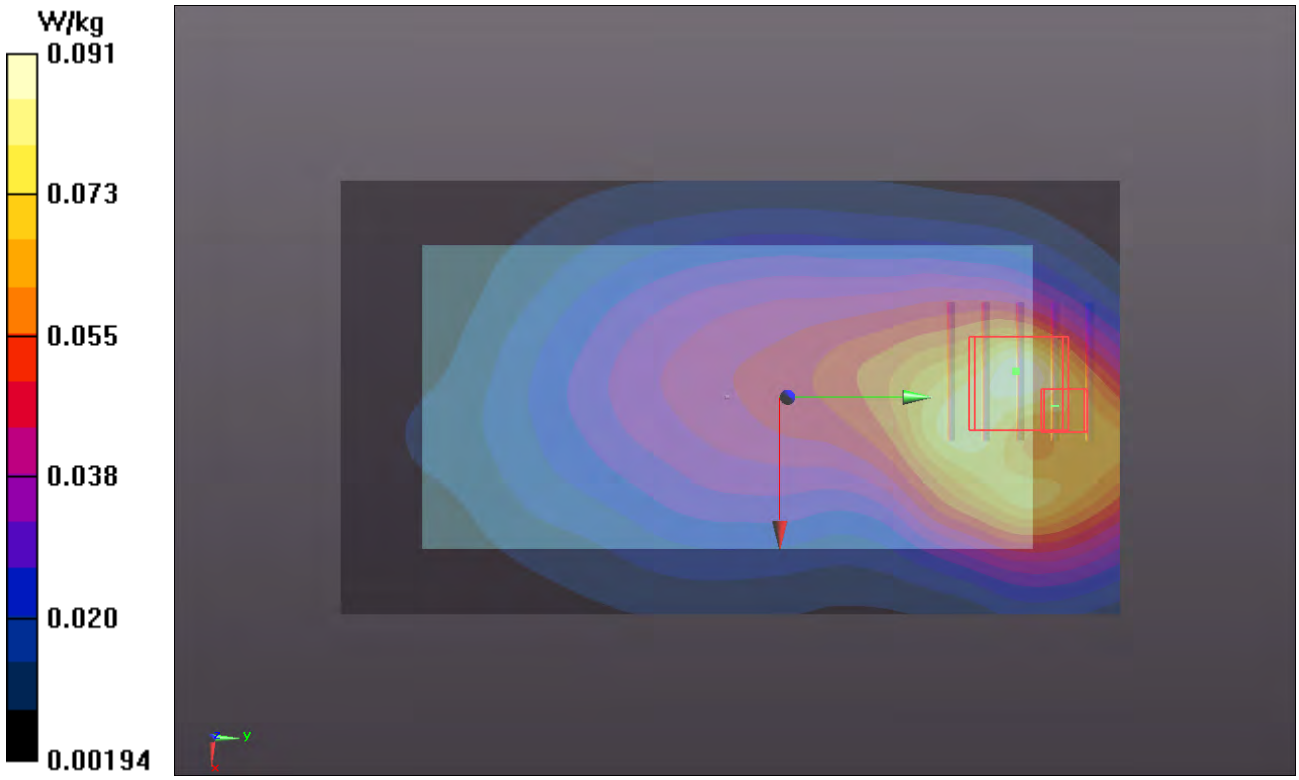
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0912 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.740 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.154 mW/g
SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.115 W/kg



P238 LTE 13_QPSK_10M_Front Face_1cm_Ch23230_1 RB_Offset 0_Earphone

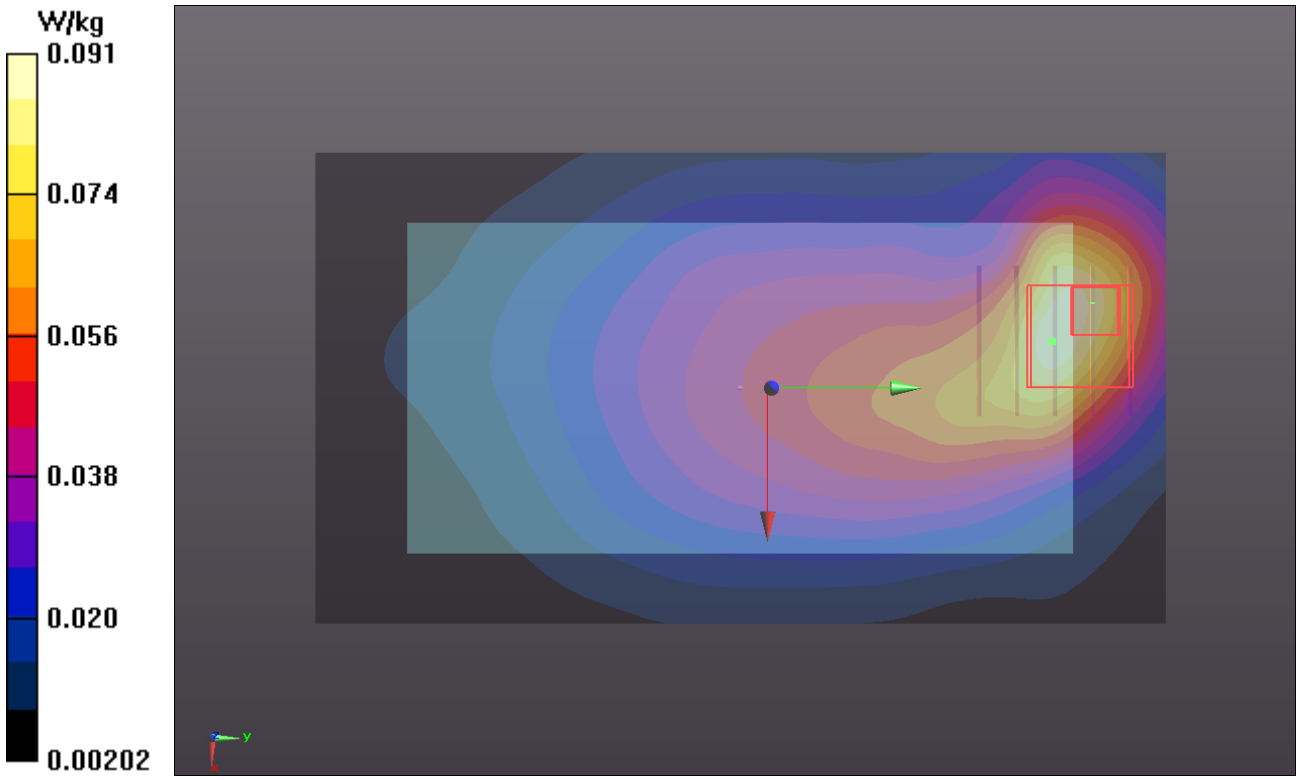
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0914 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.728 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.116 mW/g
SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.0925 W/kg



P239 LTE 13_QPSK_10M_Rear Face_1cm_Ch23230_1 RB_Offset 0_Earphone

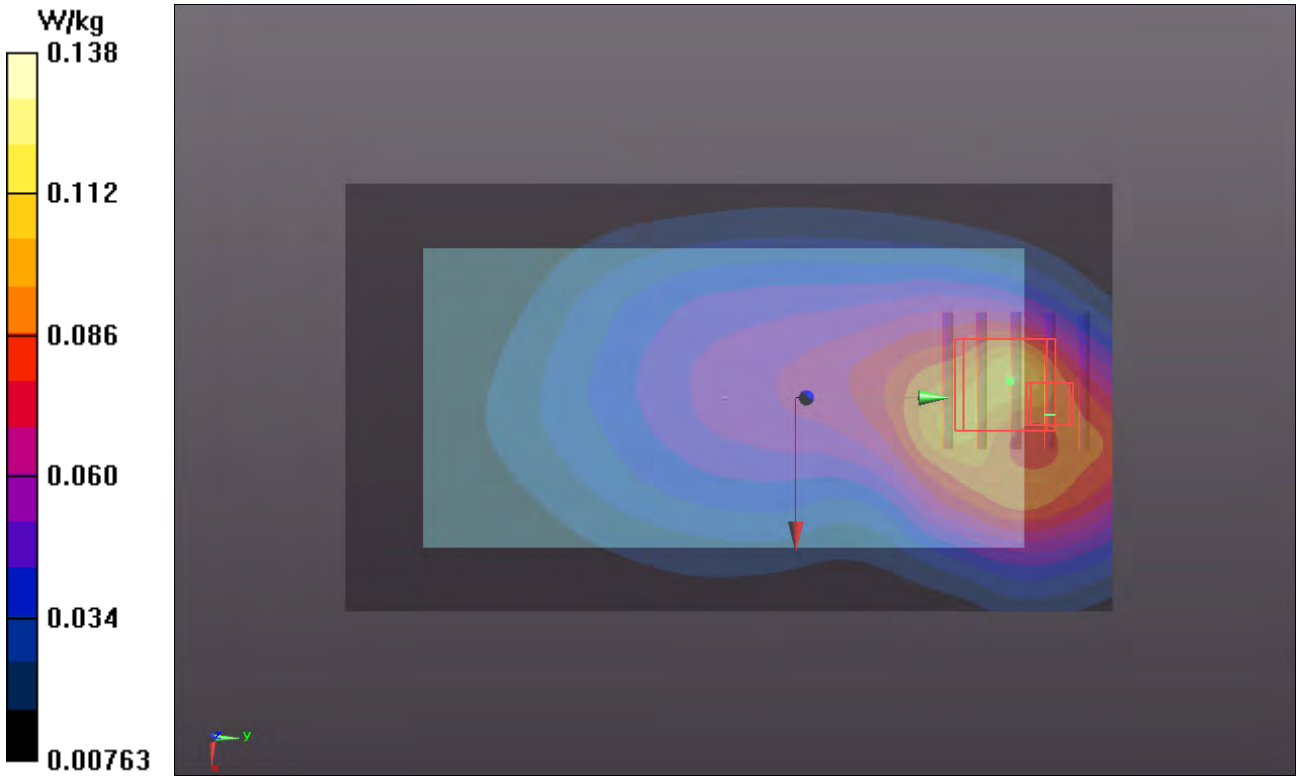
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.113 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.687 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.190 mW/g
SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.057 mW/g
Maximum value of SAR (measured) = 0.138 W/kg



P240 LTE 13_QPSK_10M_Front Face_1cm_Ch23230_1 RB_Offset 49_Earphone

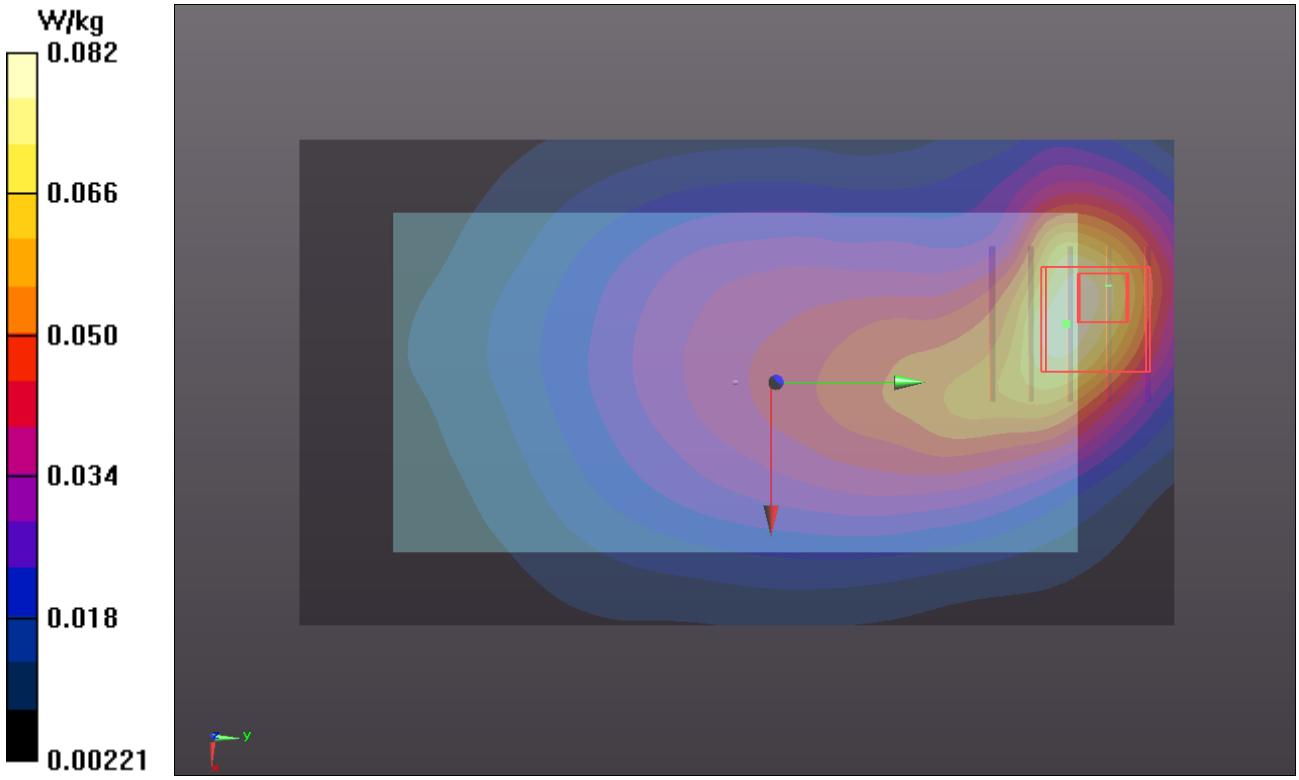
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0816 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.221 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.103 mW/g
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.0835 W/kg



P241 LTE 13_QPSK_10M_Rear Face_1cm_Ch23230_1 RB_Offset 49_Earphone

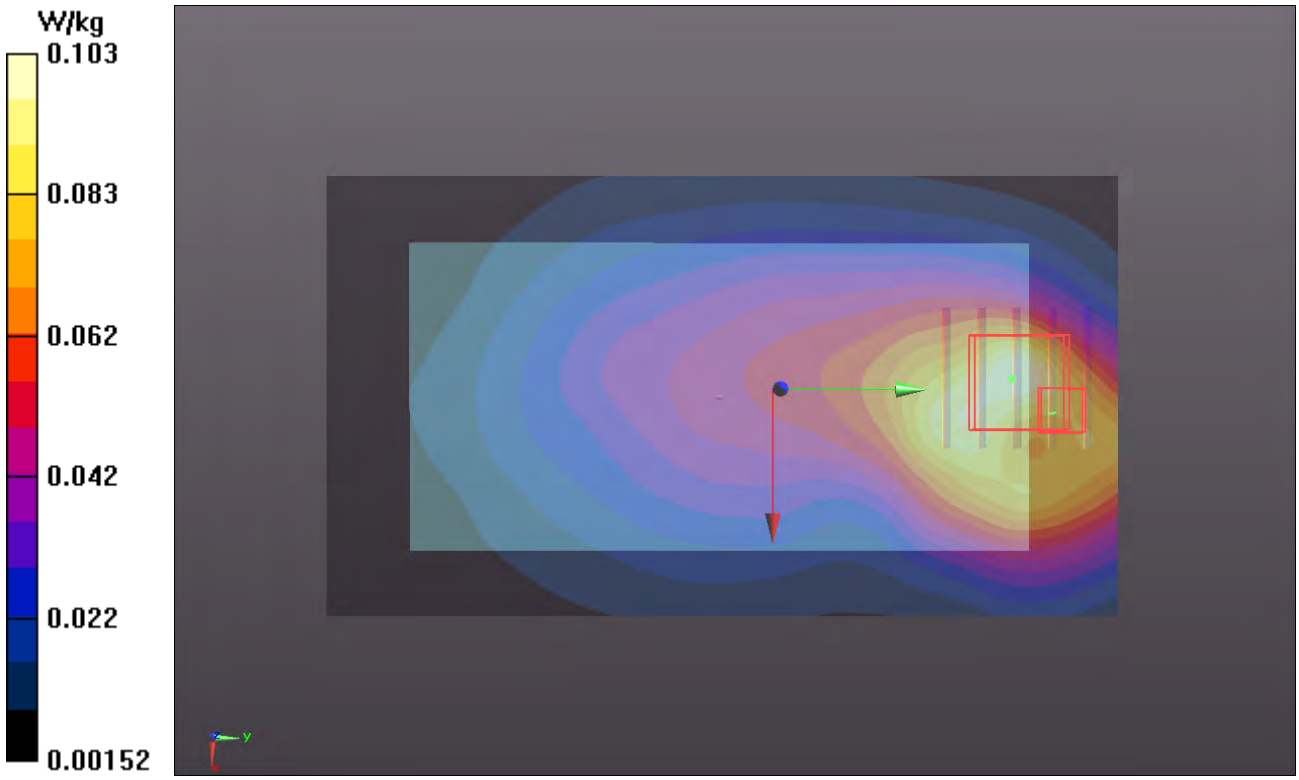
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.103 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.085 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.173 mW/g
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.127 W/kg



P281 LTE 13_16QAM_10M_Front Face_1cm_Ch23230_1RB_offset 0_Earphone

DUT: 120621C20

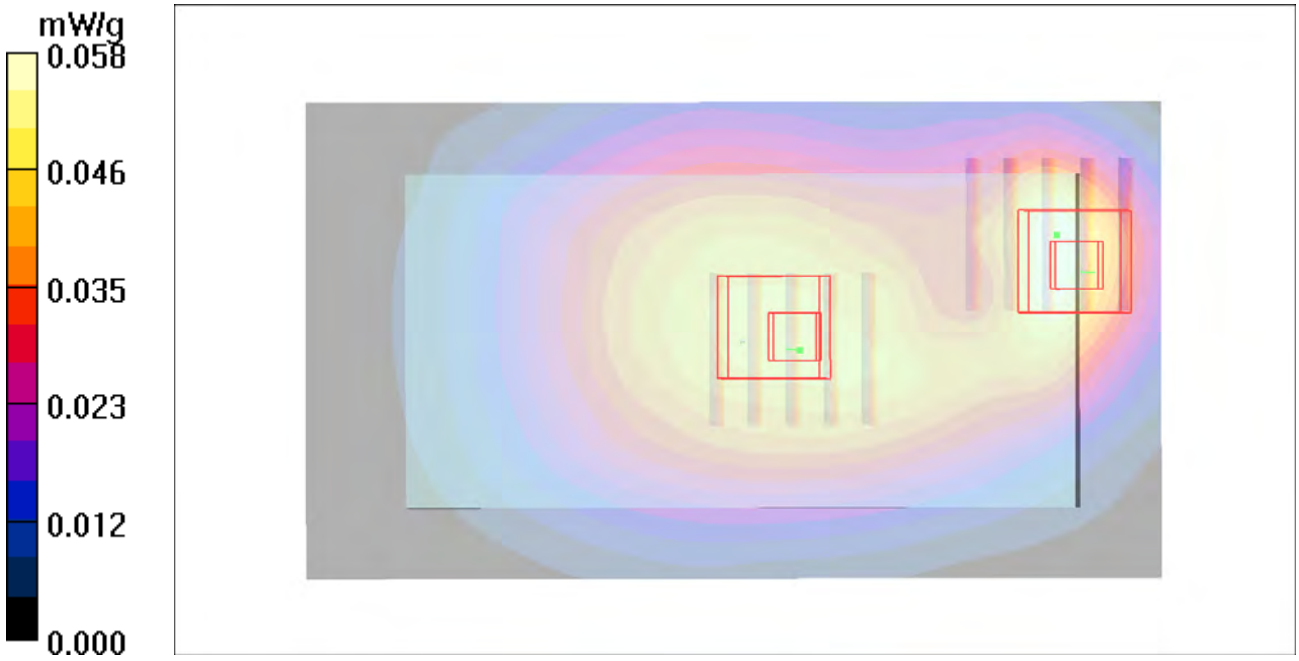
Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_1022 Medium parameters used: f = 782 MHz; σ = 0.994 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.058 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.99 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.049 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.99 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 0.068 W/kg
SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.051 mW/g



P242 LTE 13_16QAM_10M_Rear Face_1cm_Ch23230_25 RB_Offset 12_Earphone

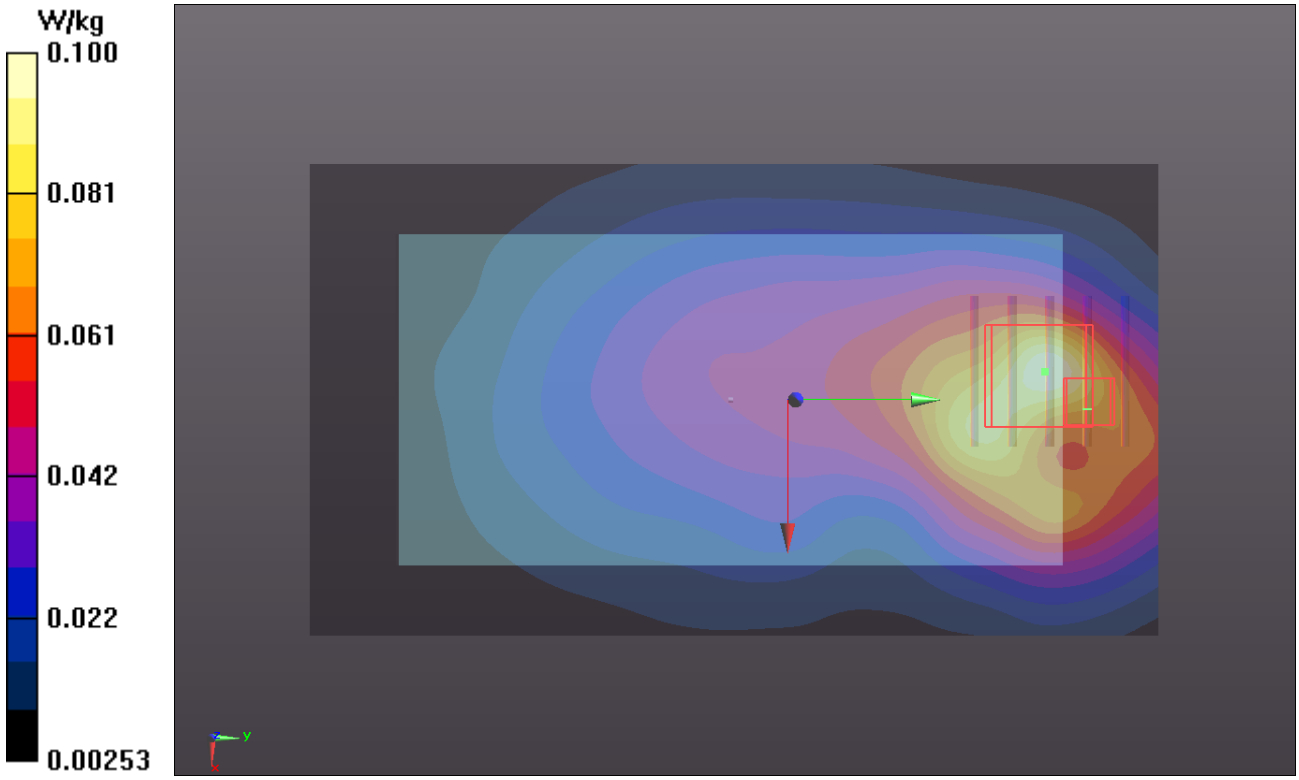
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.100 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.735 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.162 mW/g
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.117 W/kg



P243 LTE 13_16QAM_10M_Rear Face_1cm_Ch23230_1 RB_Offset 0_Earphone

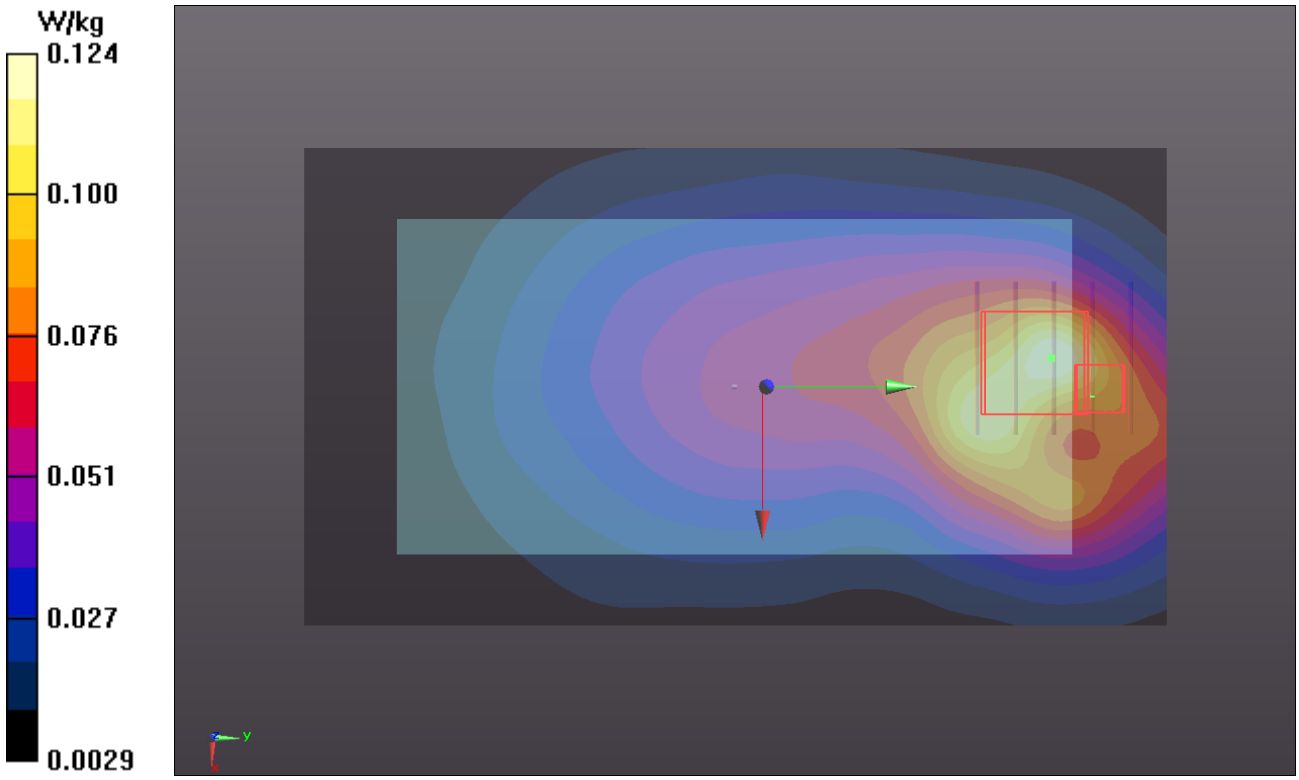
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.124 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.518 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.193 mW/g
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.056 mW/g
Maximum value of SAR (measured) = 0.140 W/kg



P244 LTE 13_16QAM_10M_Rear Face_1cm_Ch23230_1 RB_Offset 49_Earphone

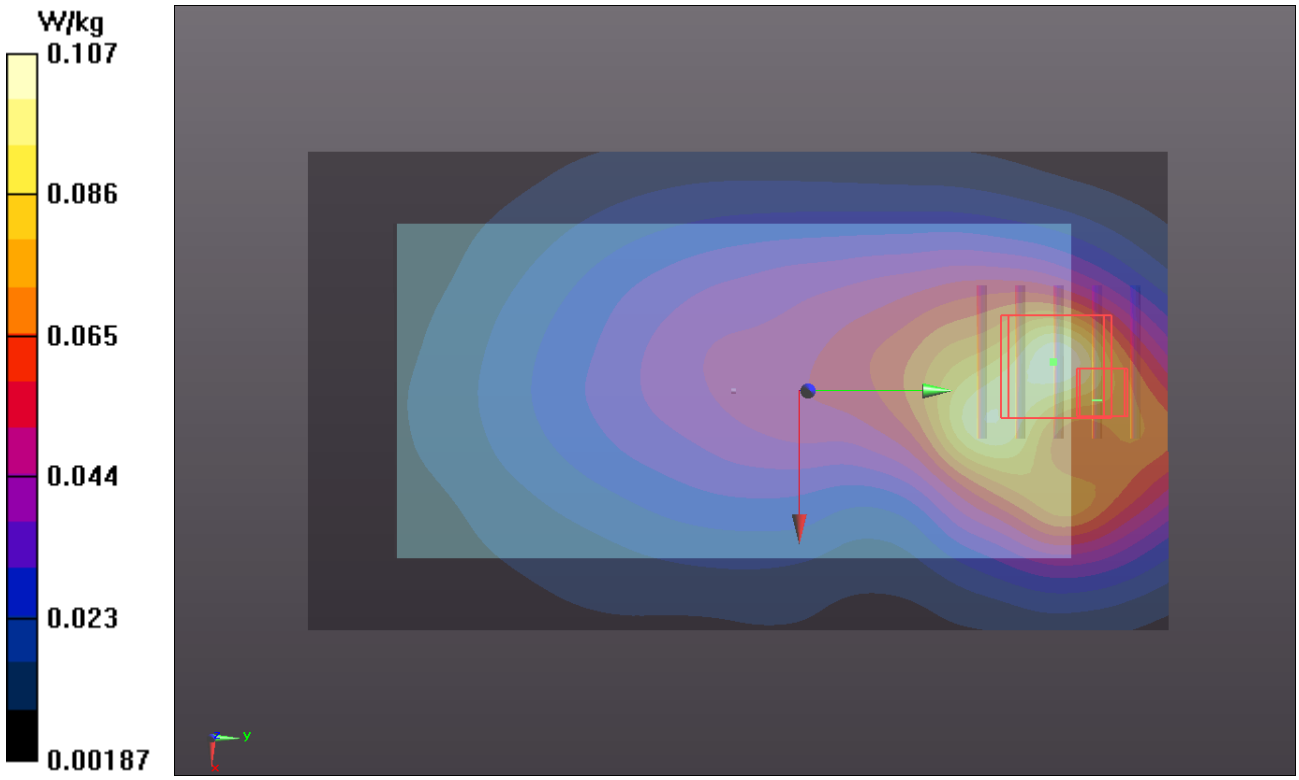
DUT: 120621C20

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B750_0814 Medium parameters used: f = 782 MHz; σ = 0.992 mho/m; ε_r = 54.936; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23230/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.107 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.975 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.174 mW/g
SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.126 W/kg



P105 802.11b_Front Face_1cm_Ch11

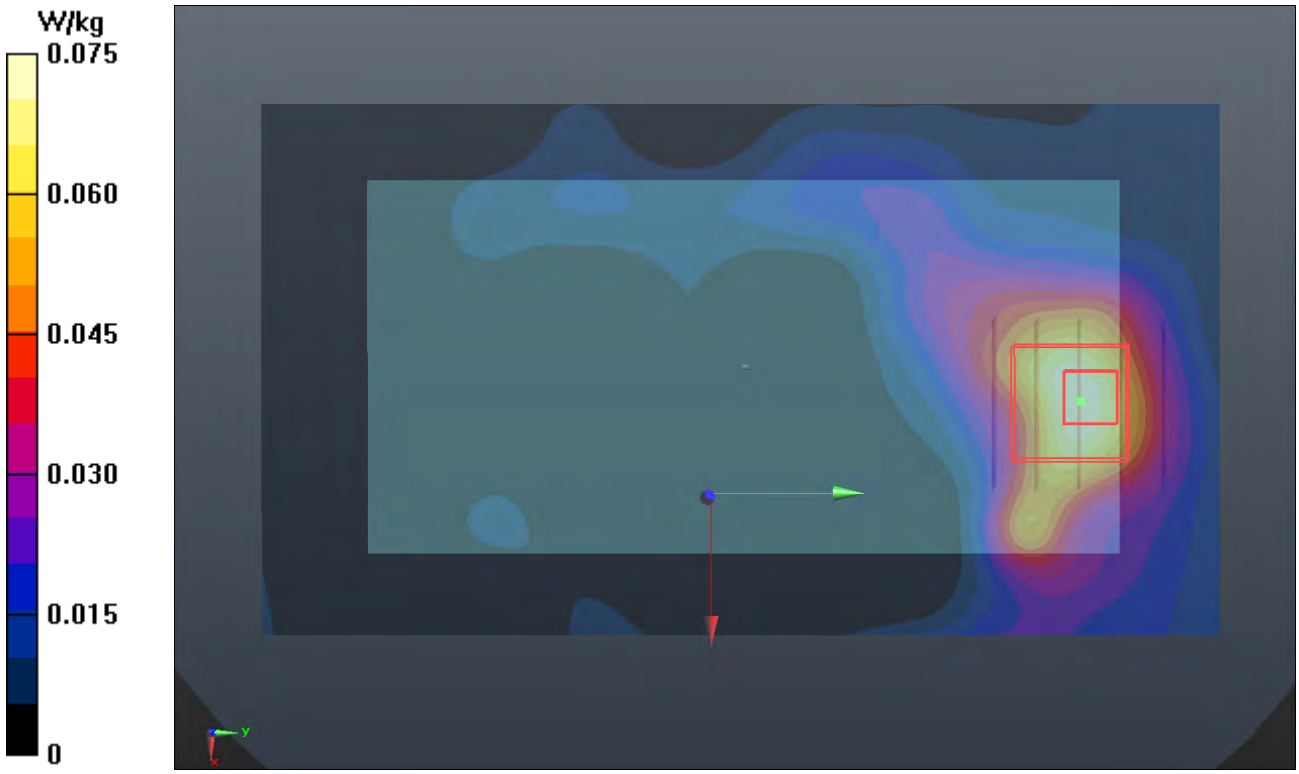
DUT: 120621C20

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0821 Medium parameters used: f = 2462 MHz; σ = 2.027 mho/m; ε_r = 52.941; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0754 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.427 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.097 mW/g
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.0765 W/kg



P106 802.11b_Rear Face_1cm_Ch11

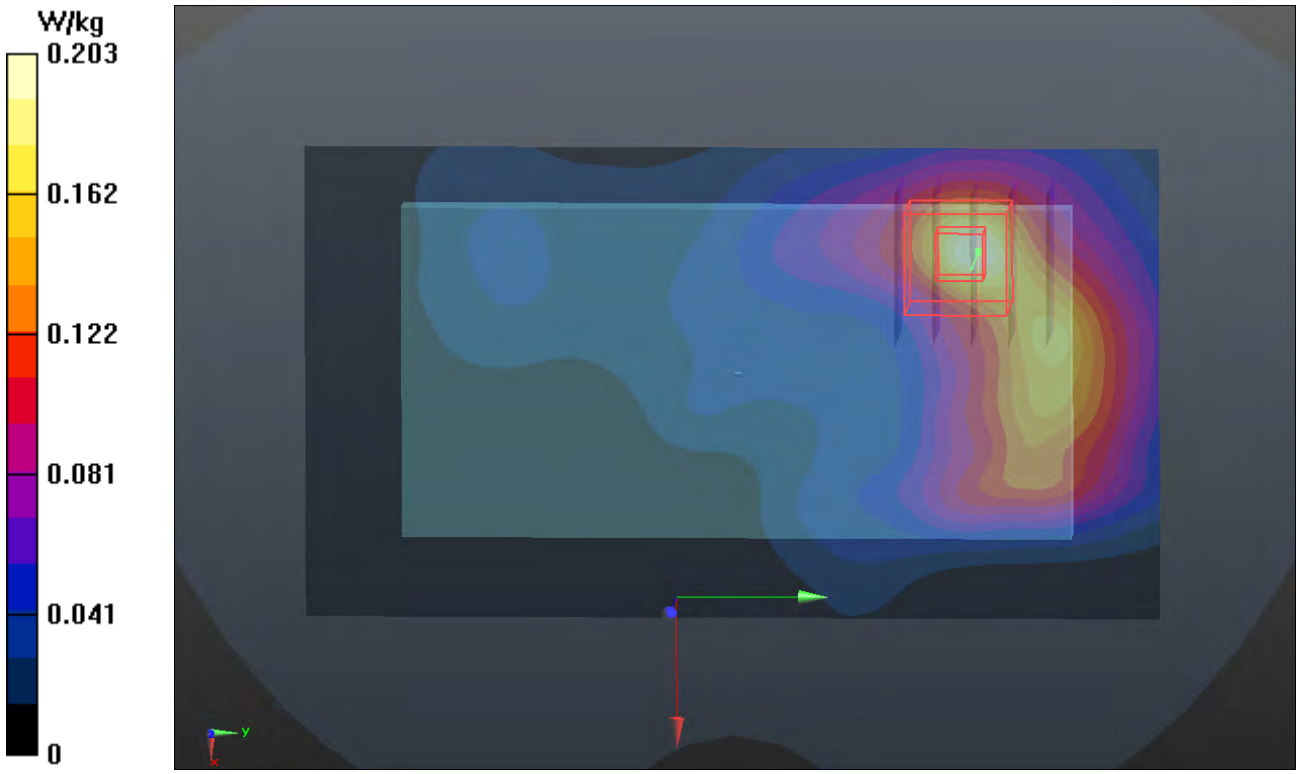
DUT: 120621C20

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0821 Medium parameters used: f = 2462 MHz; σ = 2.027 mho/m; ε_r = 52.941; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.203 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.024 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.260 mW/g
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.070 mW/g
Maximum value of SAR (measured) = 0.193 W/kg



P107 802.11b_Right Side_1cm_Ch11

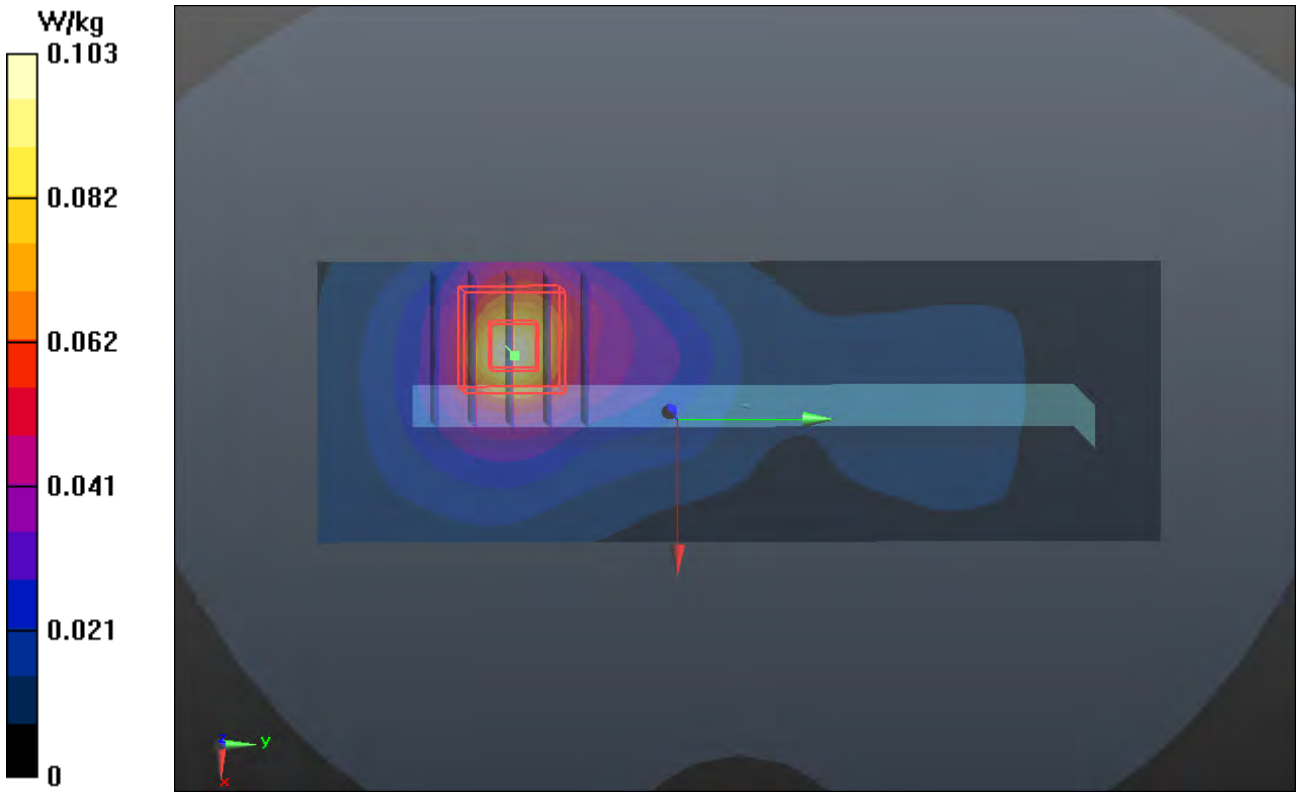
DUT: 120621C20

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0820 Medium parameters used: f = 2462 MHz; σ = 2.043 mho/m; ε_r = 53.031; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.103 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.568 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.177 mW/g
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.106 W/kg



P108 802.11b_Top Side_1cm_Ch11

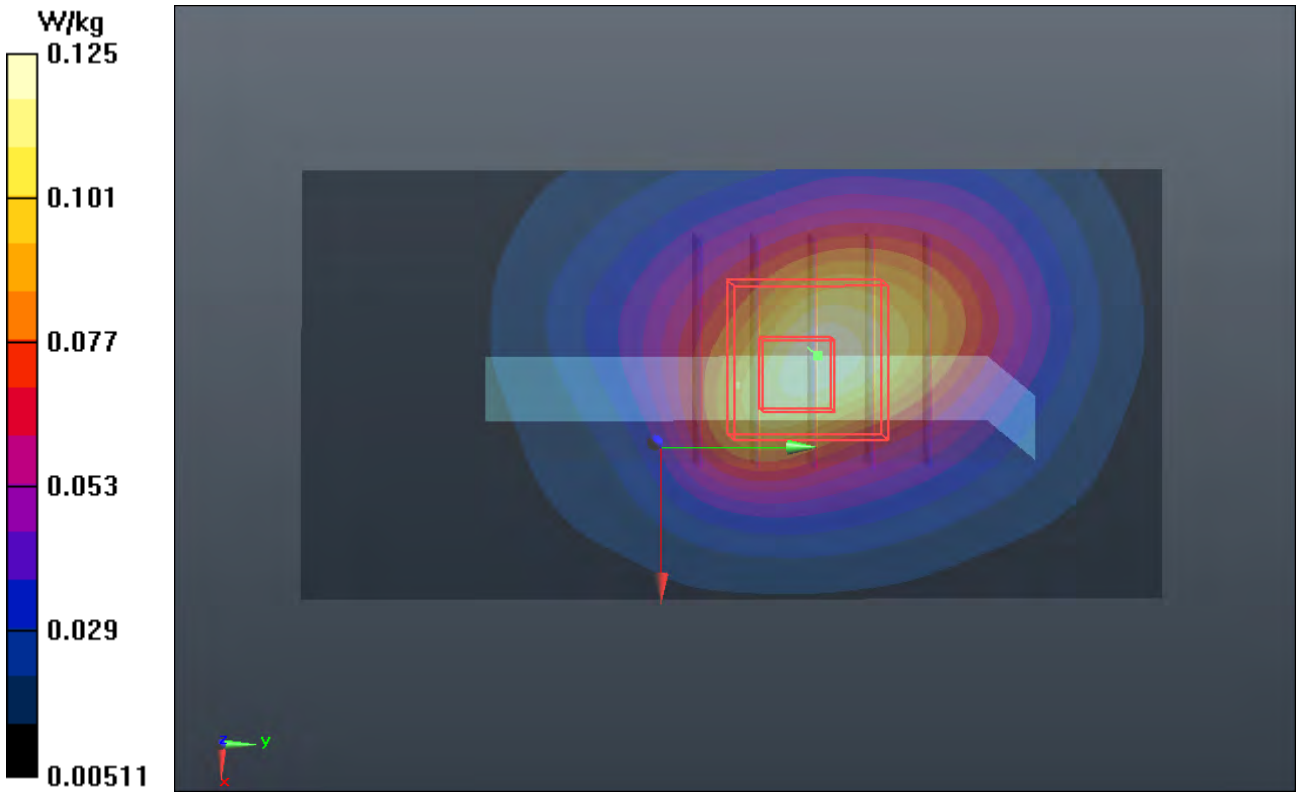
DUT: 120621C20

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0820 Medium parameters used: f = 2462 MHz; σ = 2.043 mho/m; ε_r = 53.031; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (31x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.125 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.867 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.184 mW/g
SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.053 mW/g
Maximum value of SAR (measured) = 0.132 W/kg



P109 802.11b_Front Face_1cm_Ch11_Earphone

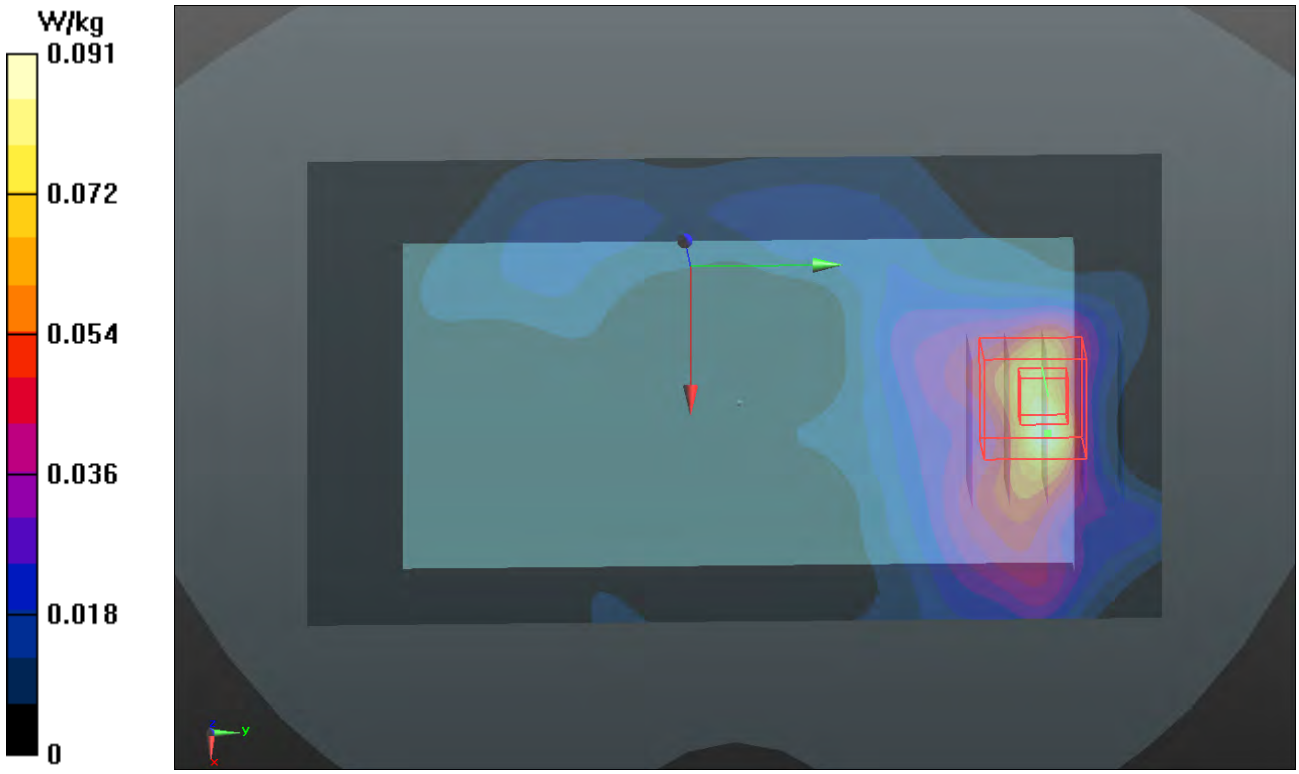
DUT: 120621C20

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0821 Medium parameters used: f = 2462 MHz; σ = 2.027 mho/m; ε_r = 52.941; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0906 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.292 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.102 mW/g
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.0773 W/kg



P110 802.11b_Rear Face_Ch11_Earphone

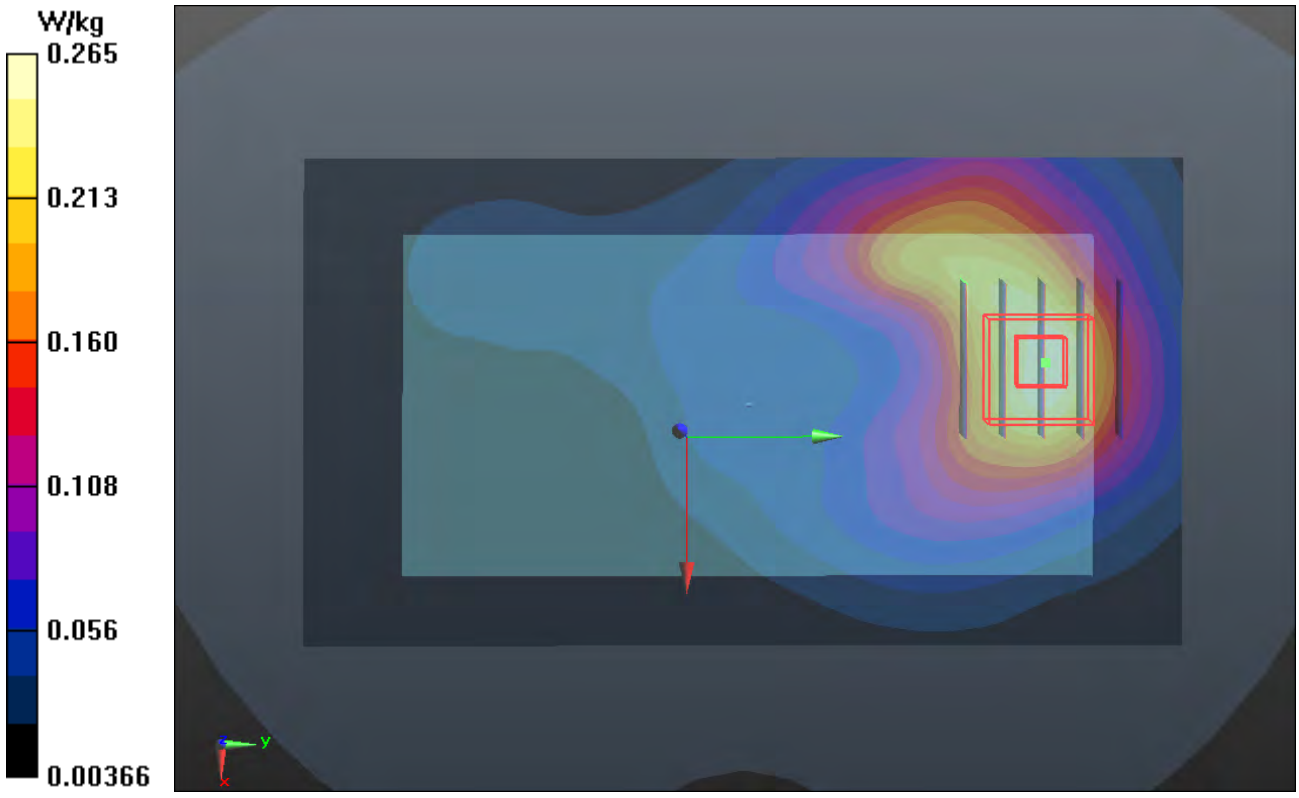
DUT: 120621C20

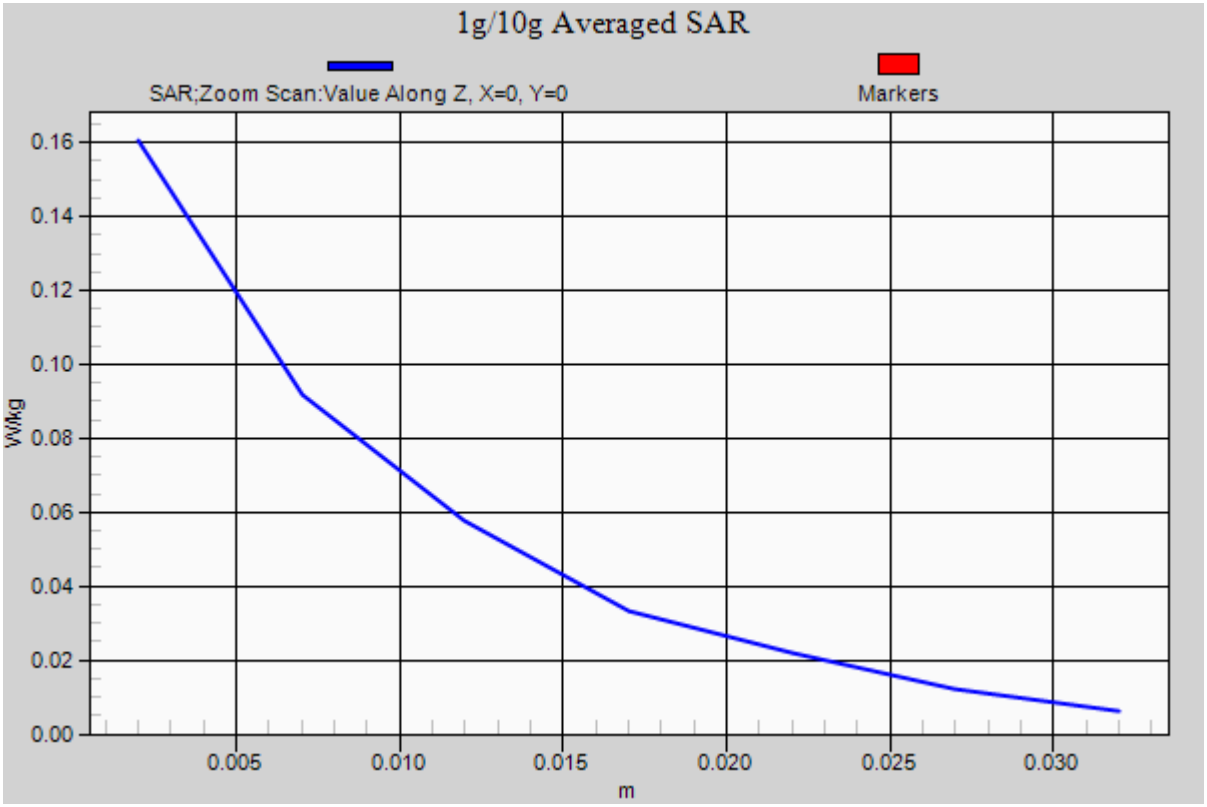
Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0820 Medium parameters used: f = 2462 MHz; σ = 2.043 mho/m; ε_r = 53.031; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.265 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.835 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.464 mW/g
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 0.338 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=0, Y=0
Markers
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
W/kg
0.005
0.010
0.015
0.020
0.025
0.030
m

P112 802.11a_Front Face_1cm_Ch36

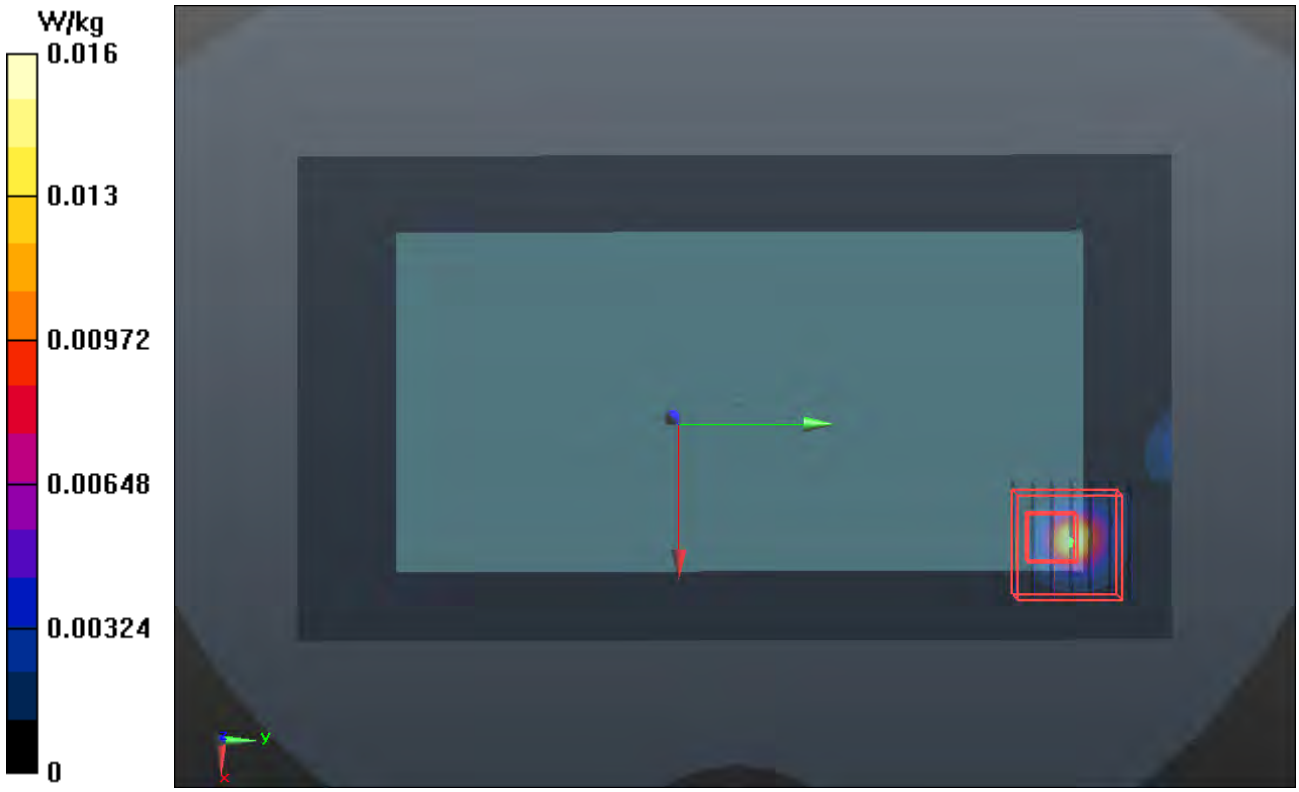
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5180 MHz; σ = 5.199 mho/m; ε_r = 49.571; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0162 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.090 mW/g
SAR(1 g) = 0.0087 mW/g; SAR(10 g) = 0.00276 mW/g
Maximum value of SAR (measured) = 0.0184 W/kg



P113 802.11a_Rear Face_1cm_Ch36

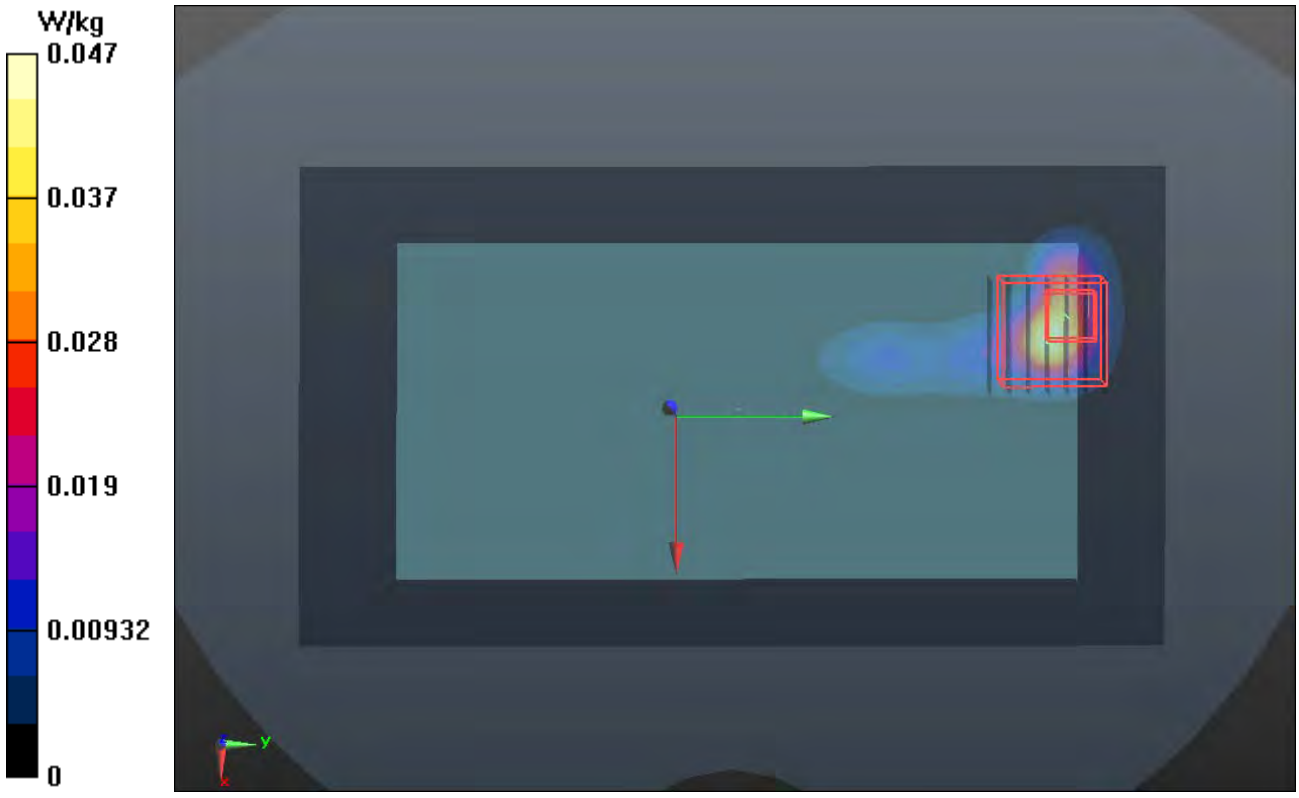
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5180 MHz; σ = 5.199 mho/m; ε_r = 49.571; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0466 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.219 mW/g
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.0077 mW/g
Maximum value of SAR (measured) = 0.0454 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/08/18

P114 802.11a_Right Side_1cm_Ch36

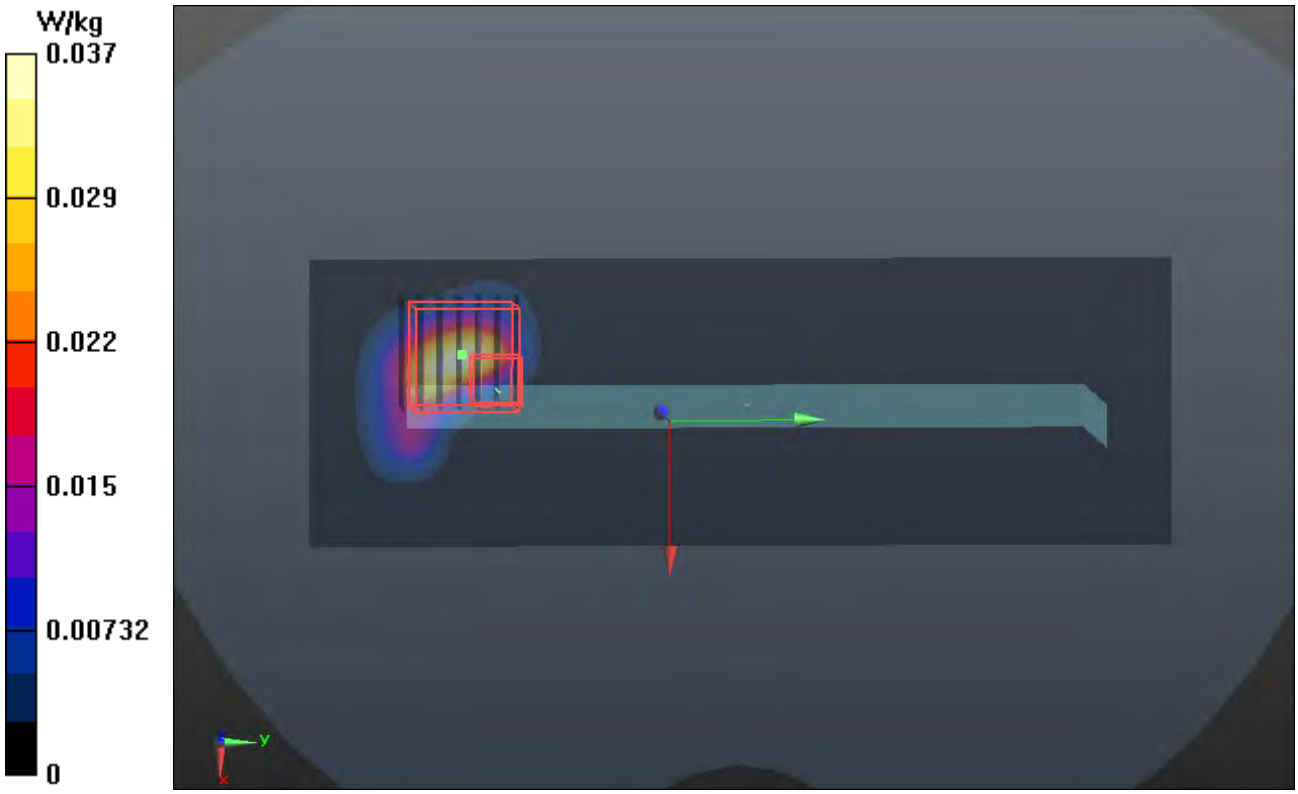
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5180 MHz; σ = 5.199 mho/m; ε_r = 49.571; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0366 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.139 mW/g
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00522 mW/g
Maximum value of SAR (measured) = 0.0366 W/kg



P115 802.11a_Top Side_1cm_Ch36

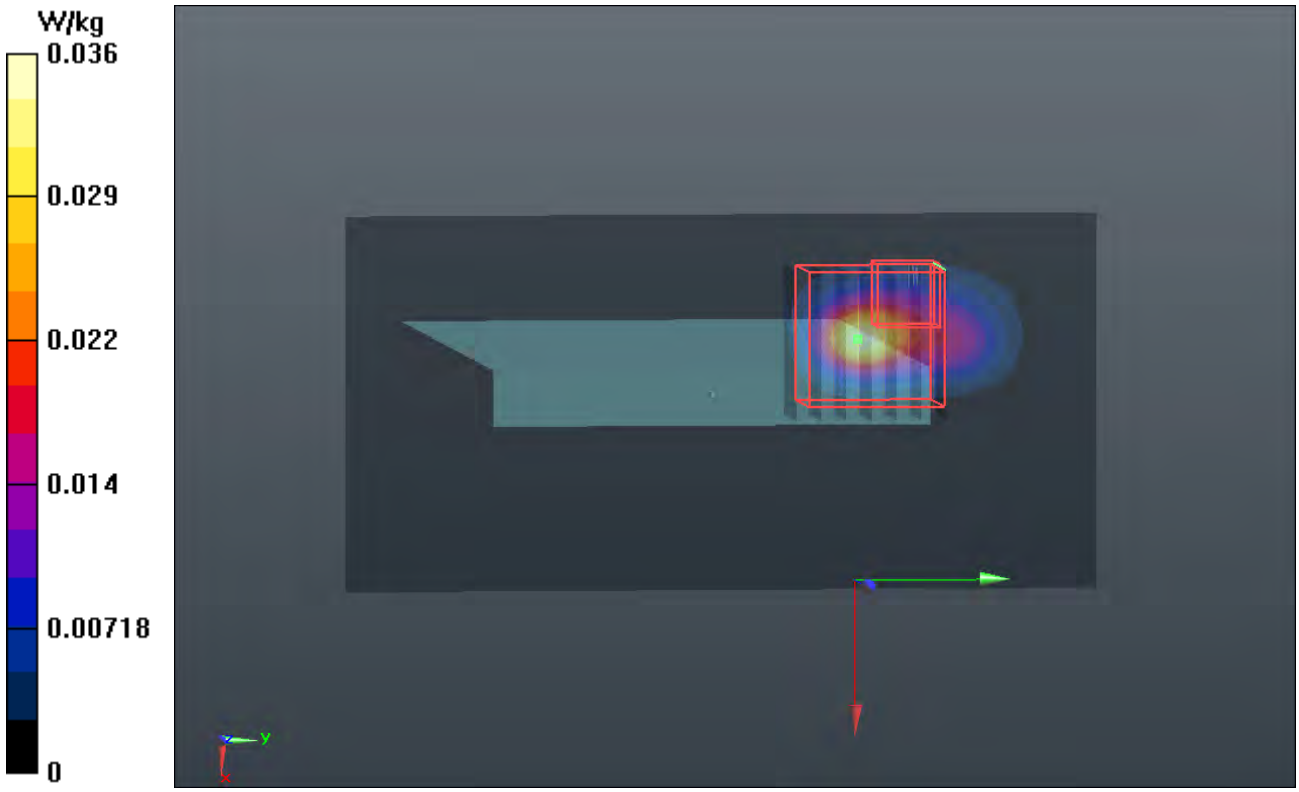
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5180 MHz; σ = 5.199 mho/m; ε_r = 49.571; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0359 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 4.287 mW/g
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.00247 mW/g
Maximum value of SAR (measured) = 1.31 W/kg



P116 802.11a_Front Face_1cm_Ch36_Earphone

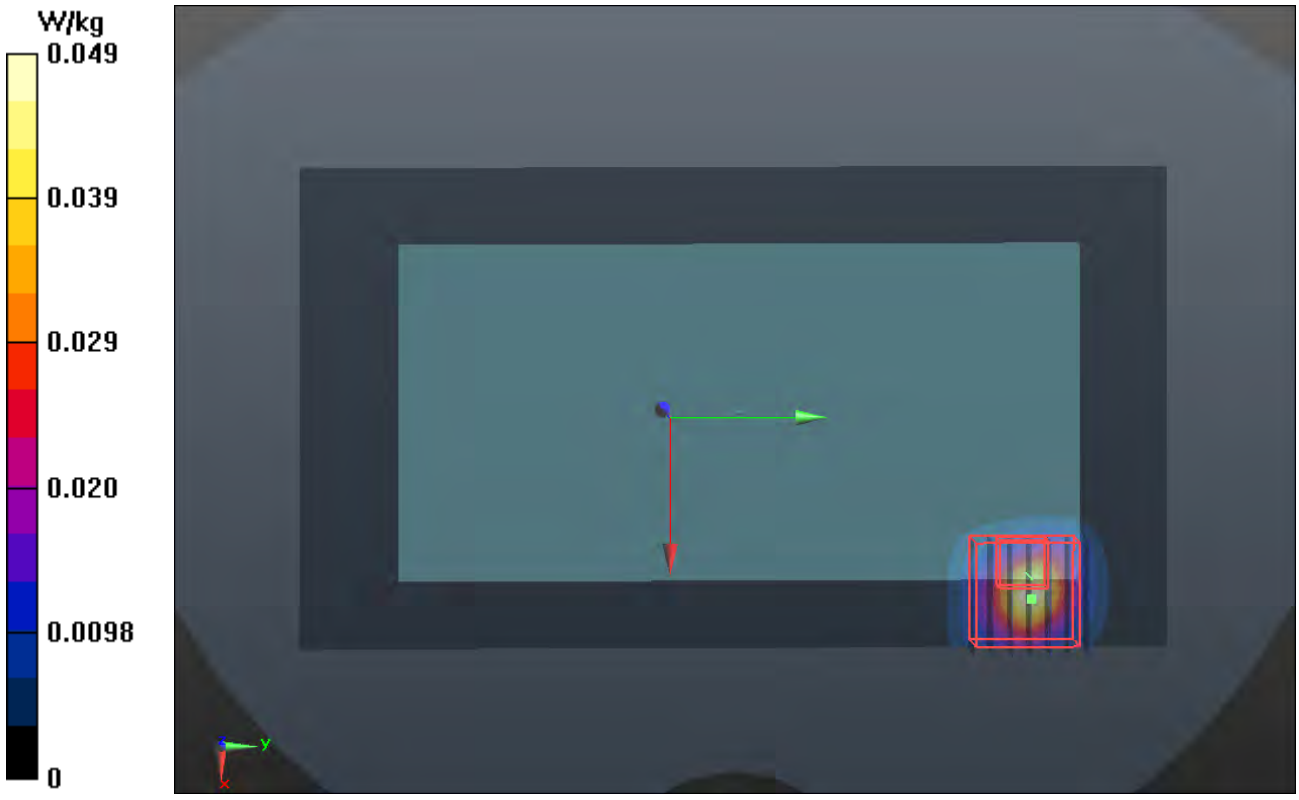
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5180 MHz; σ = 5.199 mho/m; ε_r = 49.571; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0490 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.085 mW/g
SAR(1 g) = 0.00832 mW/g; SAR(10 g) = 0.00332 mW/g
Maximum value of SAR (measured) = 0.0184 W/kg



P129 802.11a_Rear Face_1cm_Ch36_Earphone

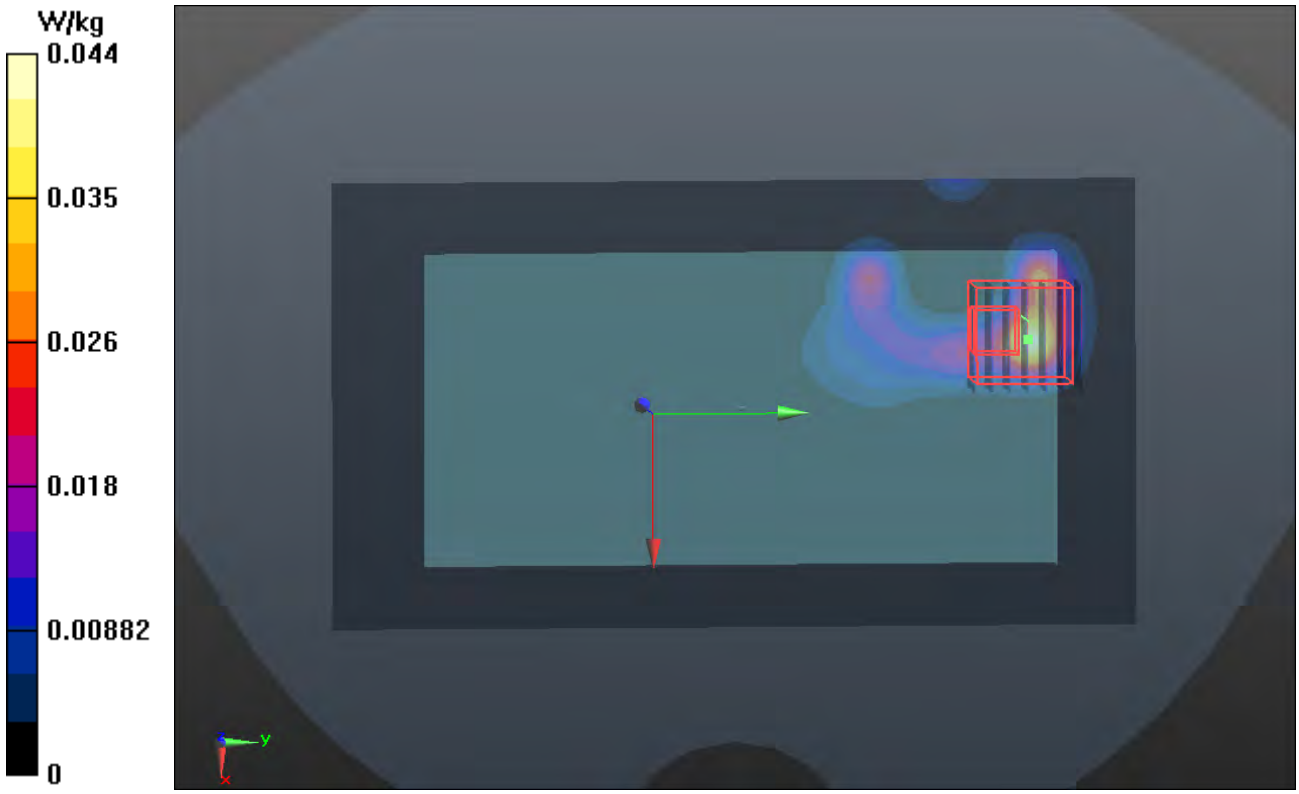
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5180 MHz; σ = 5.199 mho/m; ε_r = 49.571; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch36/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0441 W/kg

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.097 mW/g
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00242 mW/g
Maximum value of SAR (measured) = 0.0496 W/kg



P118 802.11a_Front Face_1cm_Ch52_Earphone

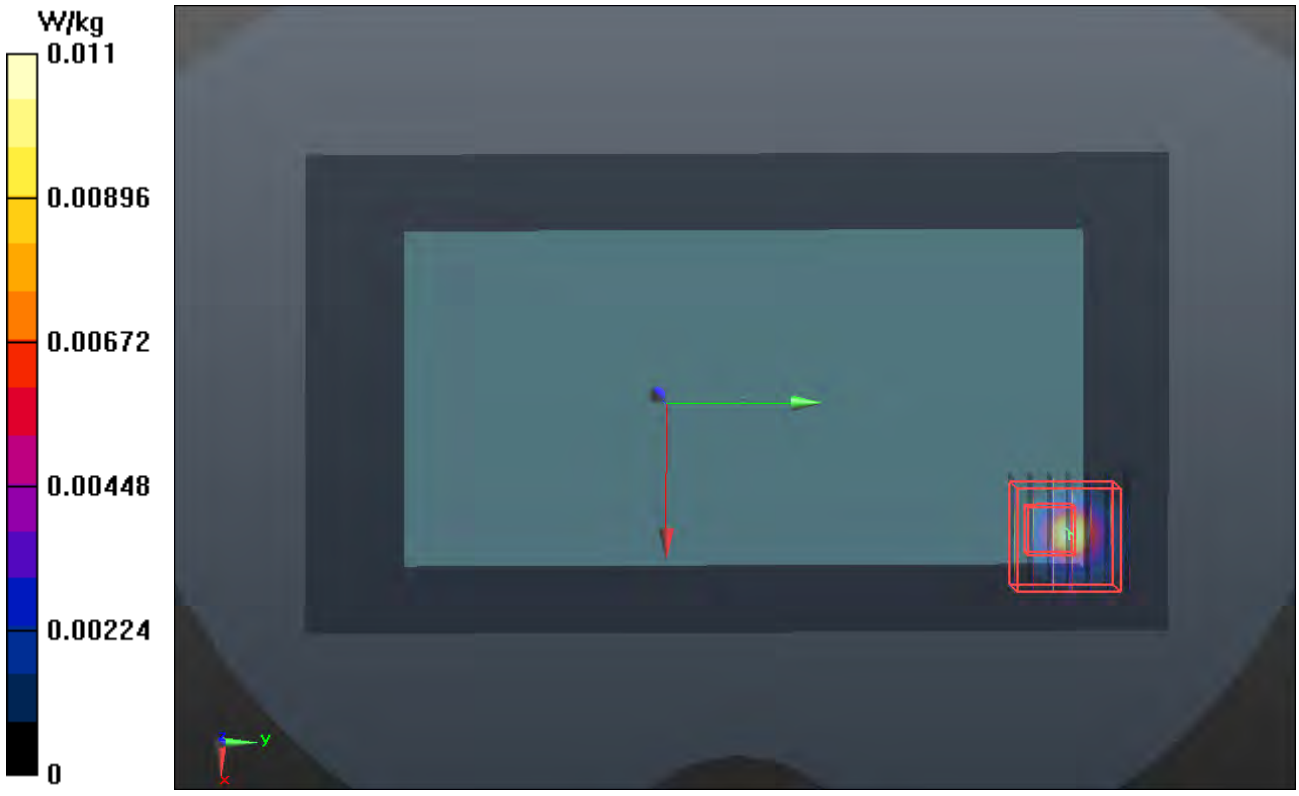
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5260 MHz; σ = 5.338 mho/m; ε_r = 49.396; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch52/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0112 W/kg

Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.081 mW/g
SAR(1 g) = 0.00895 mW/g; SAR(10 g) = 0.00268 mW/g
Maximum value of SAR (measured) = 0.0186 W/kg



P119 802.11a_Rear Face_1cm_Ch52_Earphone

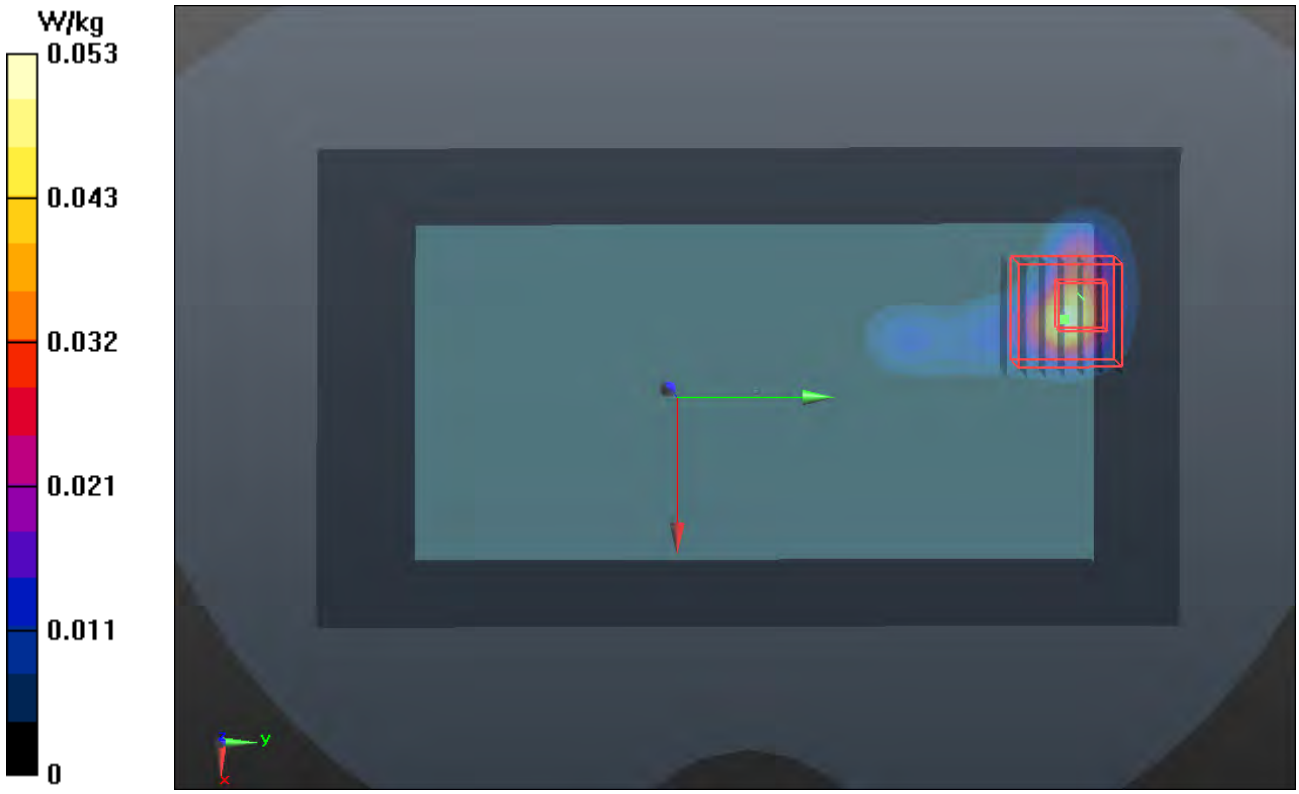
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5260 MHz; σ = 5.338 mho/m; ε_r = 49.396; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch52/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0534 W/kg

Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.237 mW/g
SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.00657 mW/g
Maximum value of SAR (measured) = 0.0464 W/kg



P120 802.11a_Front Face_1cm_Ch100_Earphone

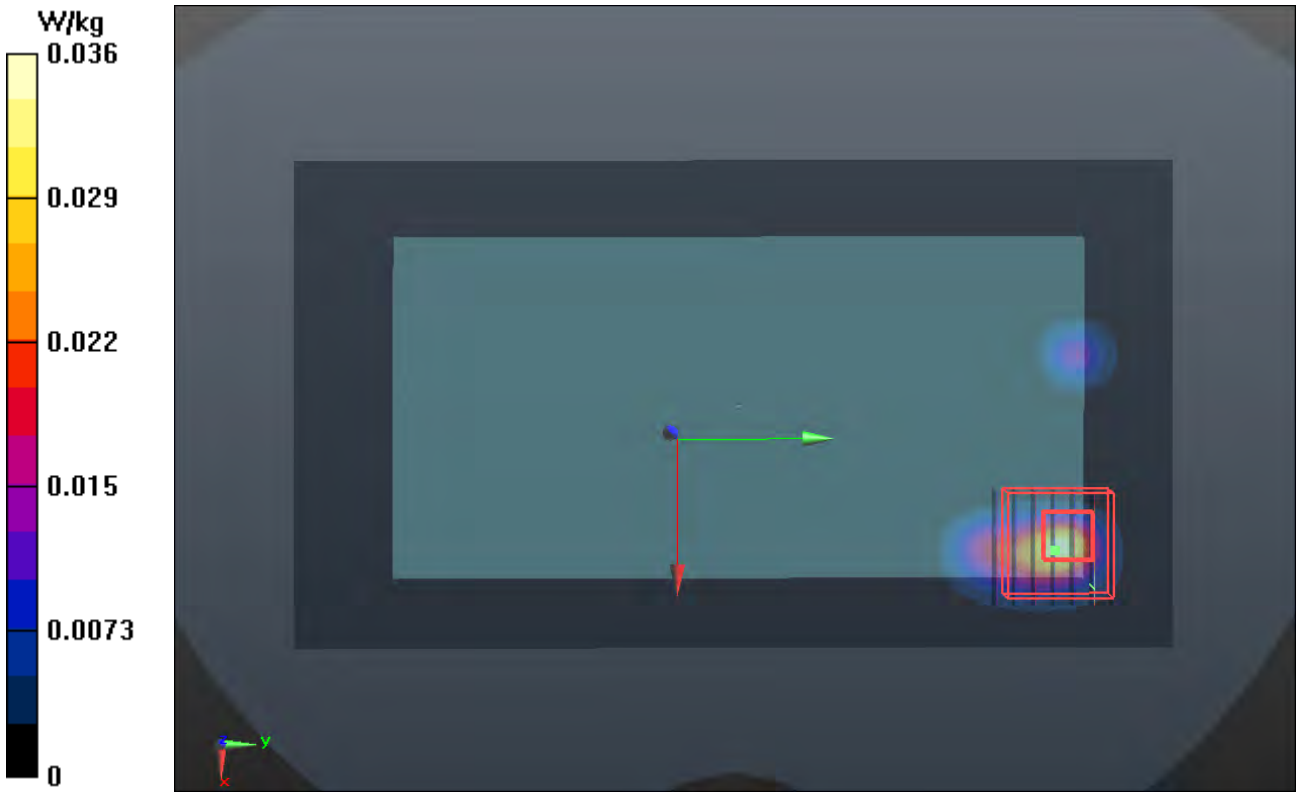
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: B5G_0818 Medium parameters used: f = 5500 MHz; σ = 5.667 mho/m; ε_r = 48.98; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.35, 4.35, 4.35); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch100/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0365 W/kg

Ch100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.130 mW/g
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00645 mW/g
Maximum value of SAR (measured) = 0.0551 W/kg



P121 802.11a_Rear Face _1cm_Ch100_Earphone

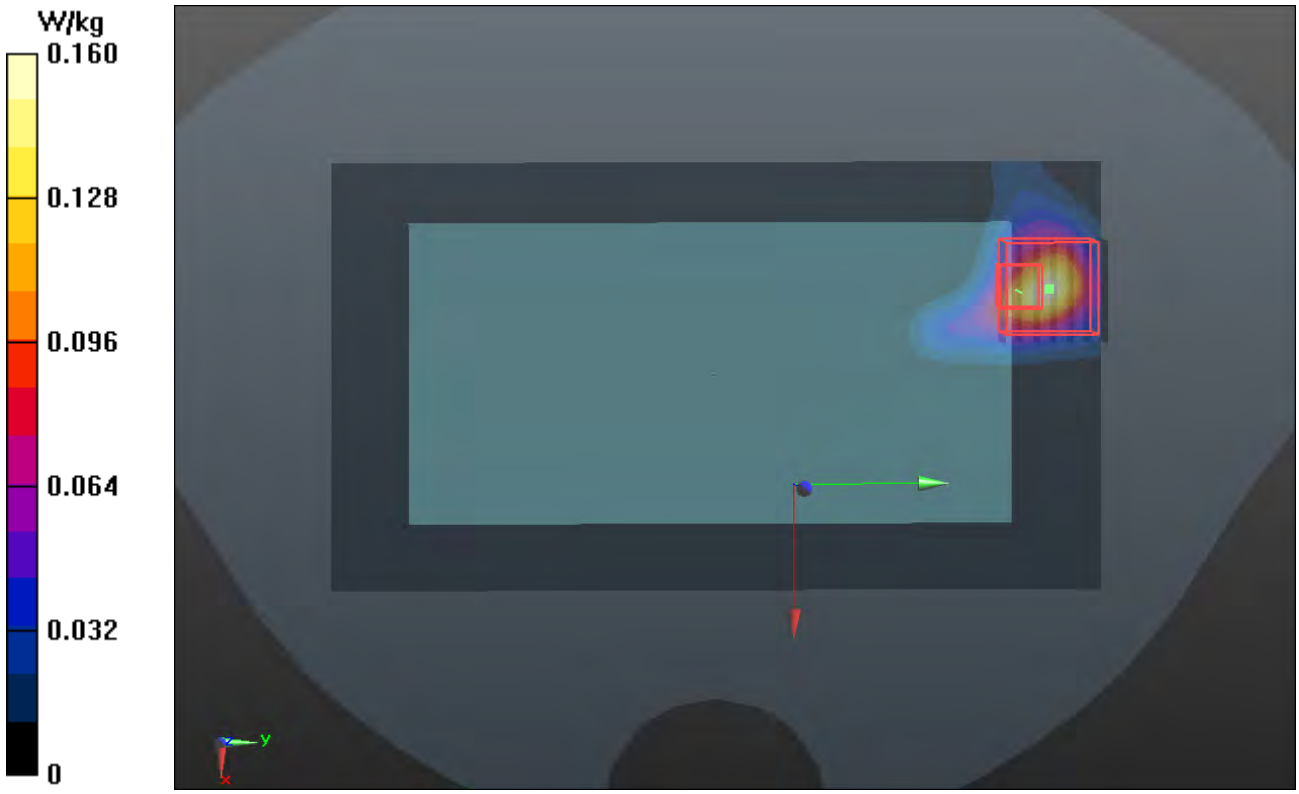
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: B5G_0819 Medium parameters used: f = 5500 MHz; σ = 5.71 mho/m; ε_r = 48.53; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.73, 3.73, 3.73); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch100/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.160 W/kg

Ch100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.379 mW/g
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.103 W/kg



P148 802.11a_Front Face_1cm_Ch149

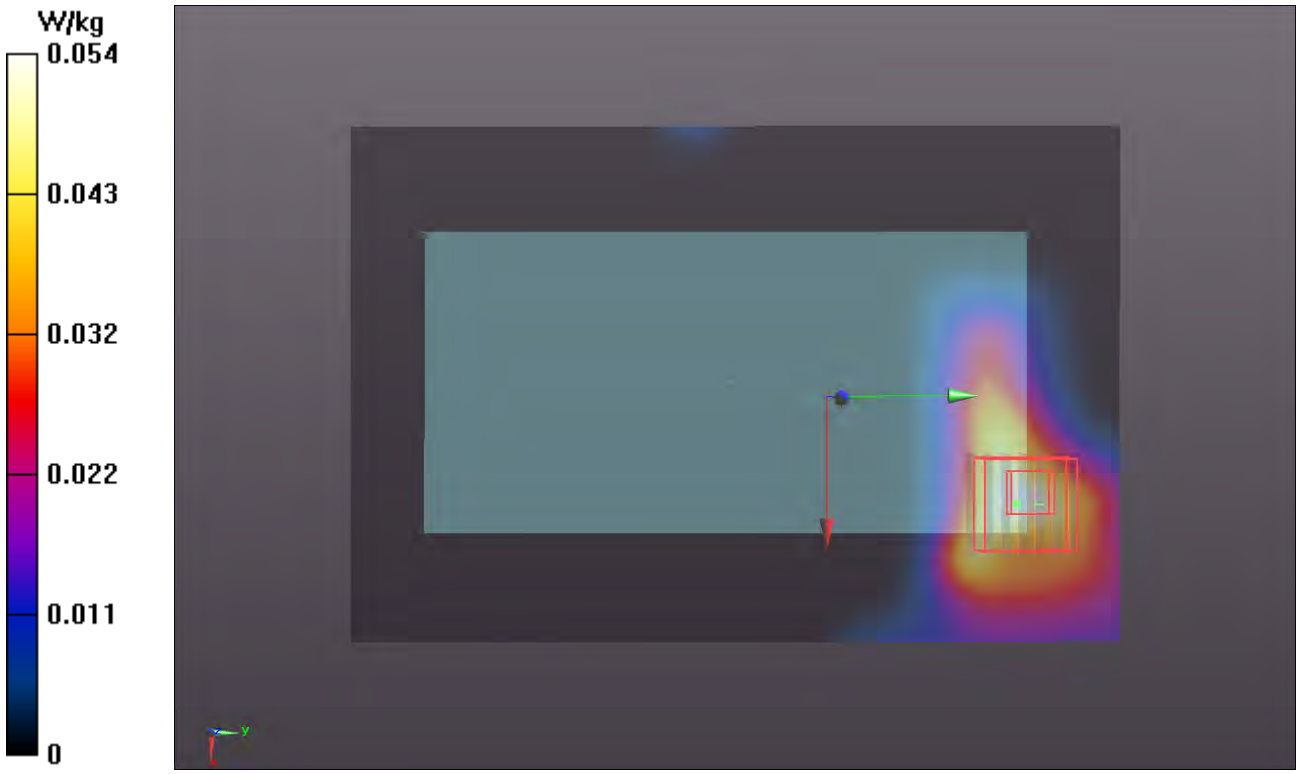
DUT: 120621C20

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_1020 Medium parameters used: f = 5745 MHz; σ = 6.019 mho/m; ε_r = 48.128; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(3.43, 3.43, 3.43); Calibrated: 2012/06/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0541 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.664 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.125 mW/g
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.0541 W/kg



P149 802.11a_Rear Face_1cm_Ch149

DUT: 120621C20

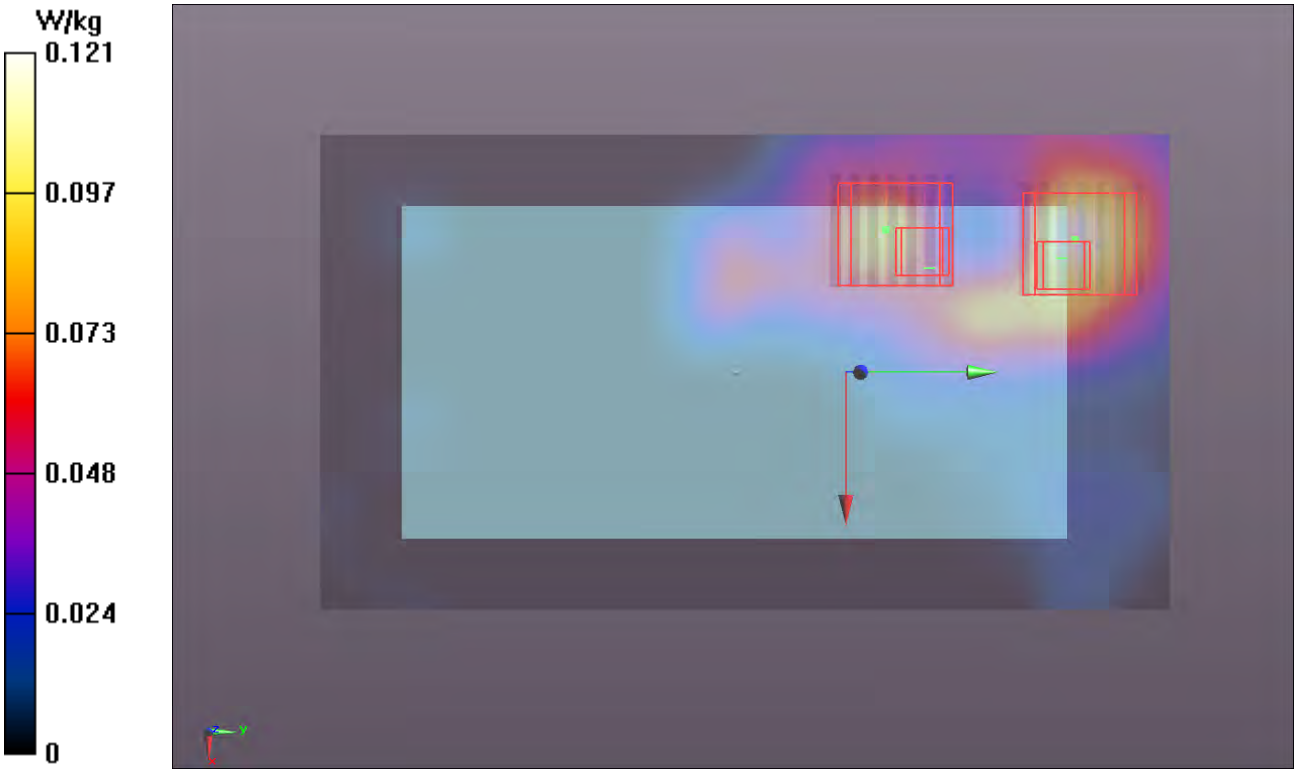
Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_1020 Medium parameters used: f = 5745 MHz; σ = 6.019 mho/m; ε_r = 48.128; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(3.43, 3.43, 3.43); Calibrated: 2012/06/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.121 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.309 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.255 mW/g
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.134 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.309 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.207 mW/g
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.128 W/kg



P150 802.11a_Right Side_1cm_Ch149

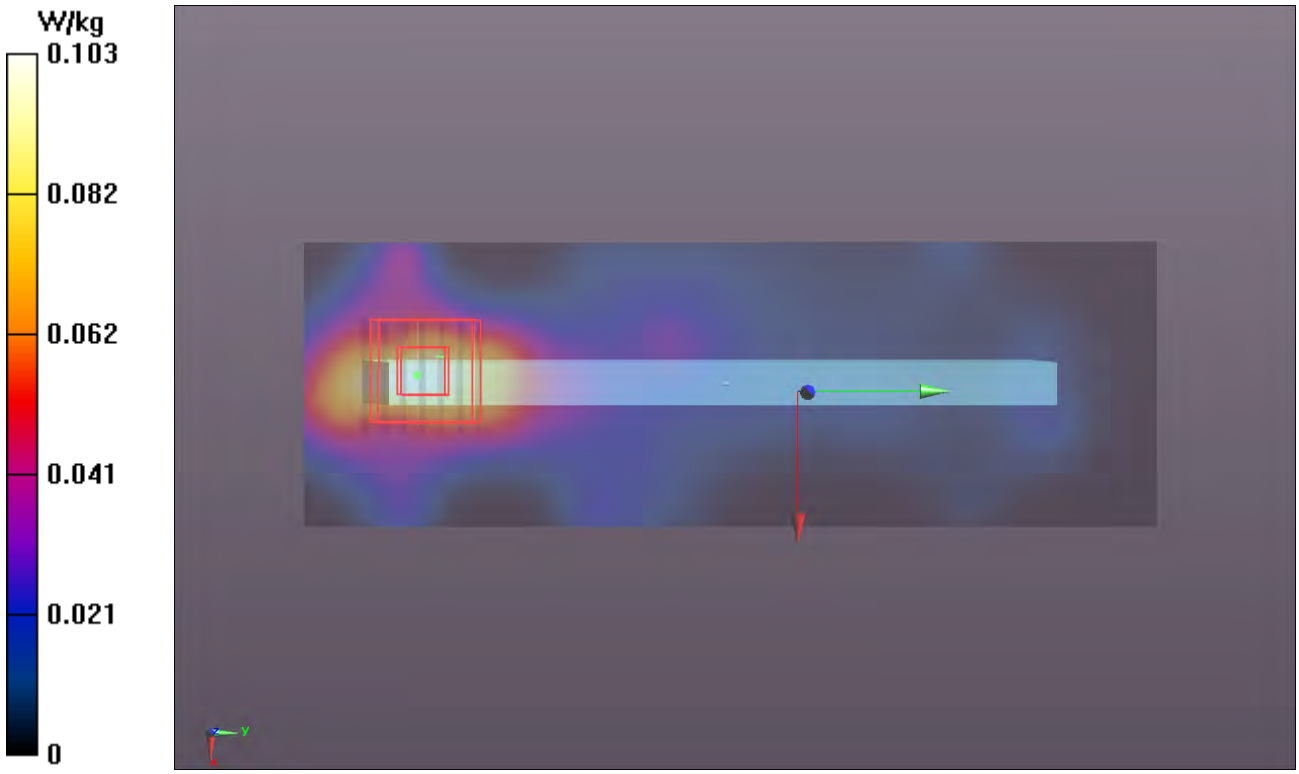
DUT: 120621C20

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_1020 Medium parameters used: f = 5745 MHz; σ = 6.019 mho/m; ε_r = 48.128; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(3.43, 3.43, 3.43); Calibrated: 2012/06/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.103 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.872 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.407 mW/g
SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.0795 W/kg



P151 802.11a_Top Side_1cm_Ch149

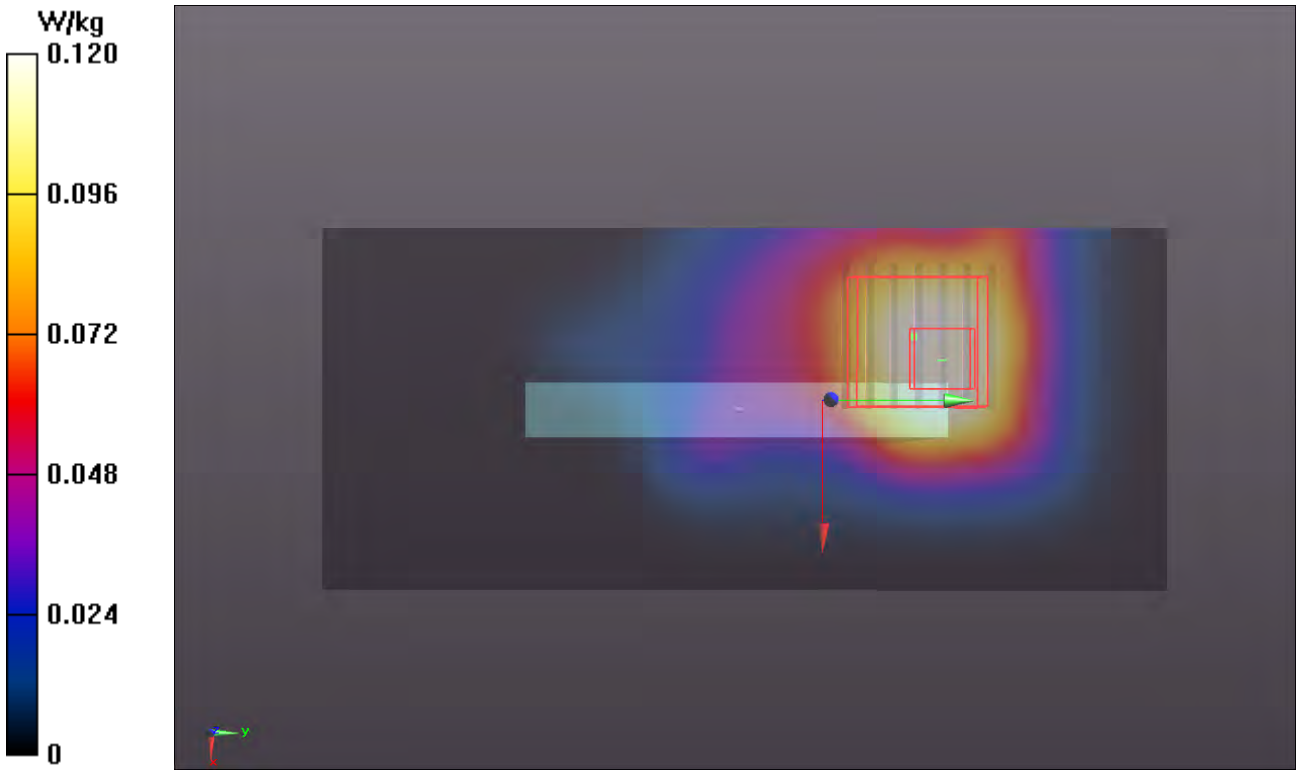
DUT: 120621C20

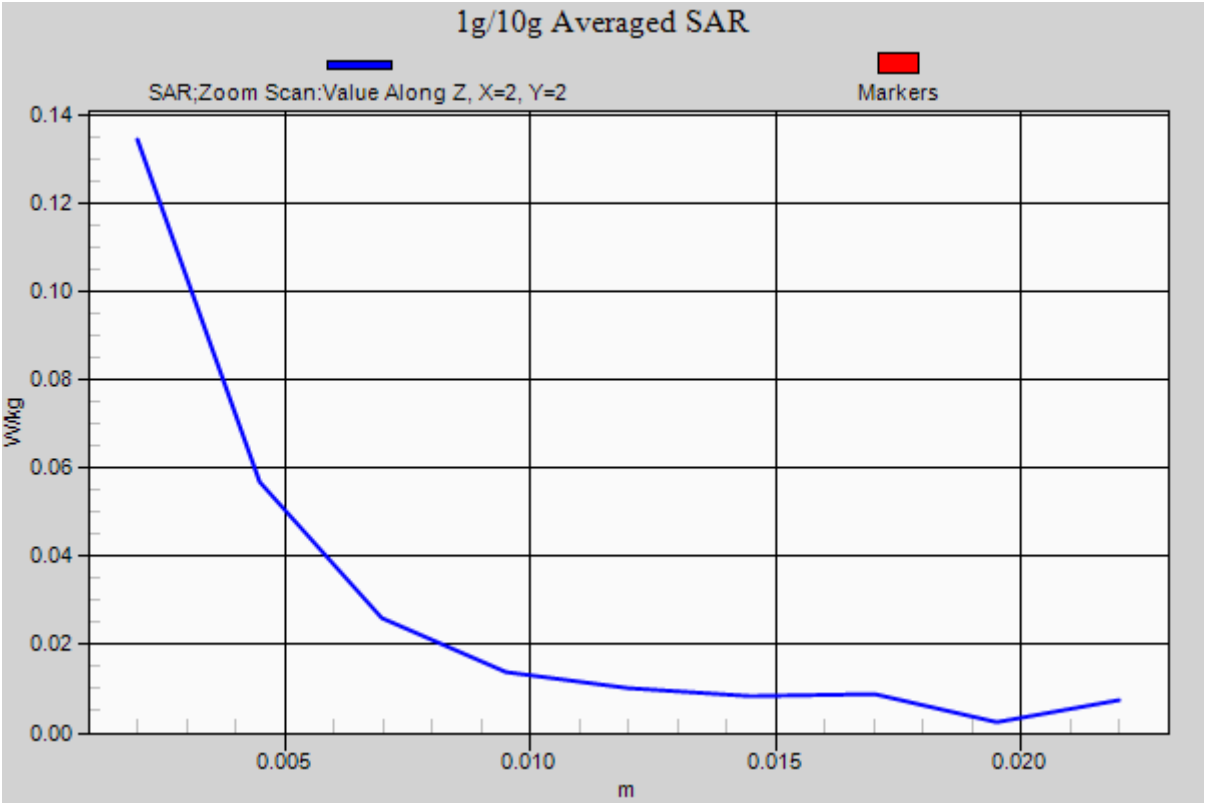
Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_1020 Medium parameters used: f = 5745 MHz; σ = 6.019 mho/m; ε_r = 48.128; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(3.43, 3.43, 3.43); Calibrated: 2012/06/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.120 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.245 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.185 mW/g
SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.118 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
W/kg
0.005
0.010
0.015
0.020
m

P122 802.11n_HT40_Front Face _1cm_Ch159

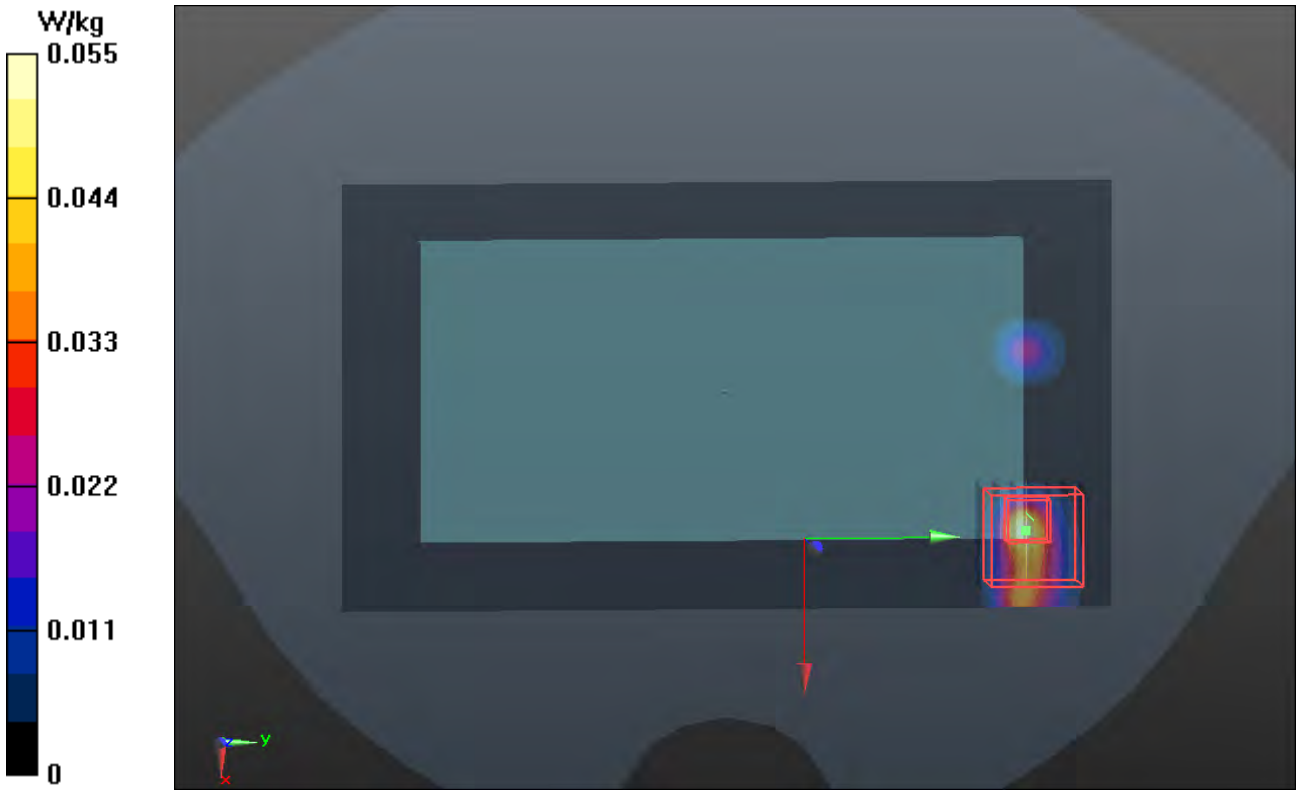
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: B5G_0819 Medium parameters used: f = 5795 MHz; σ = 6.107 mho/m; ε_r = 47.795; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0551 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.292 mW/g
SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.0659 W/kg



P123 802.11n_HT40_Rear Face _1cm_Ch159

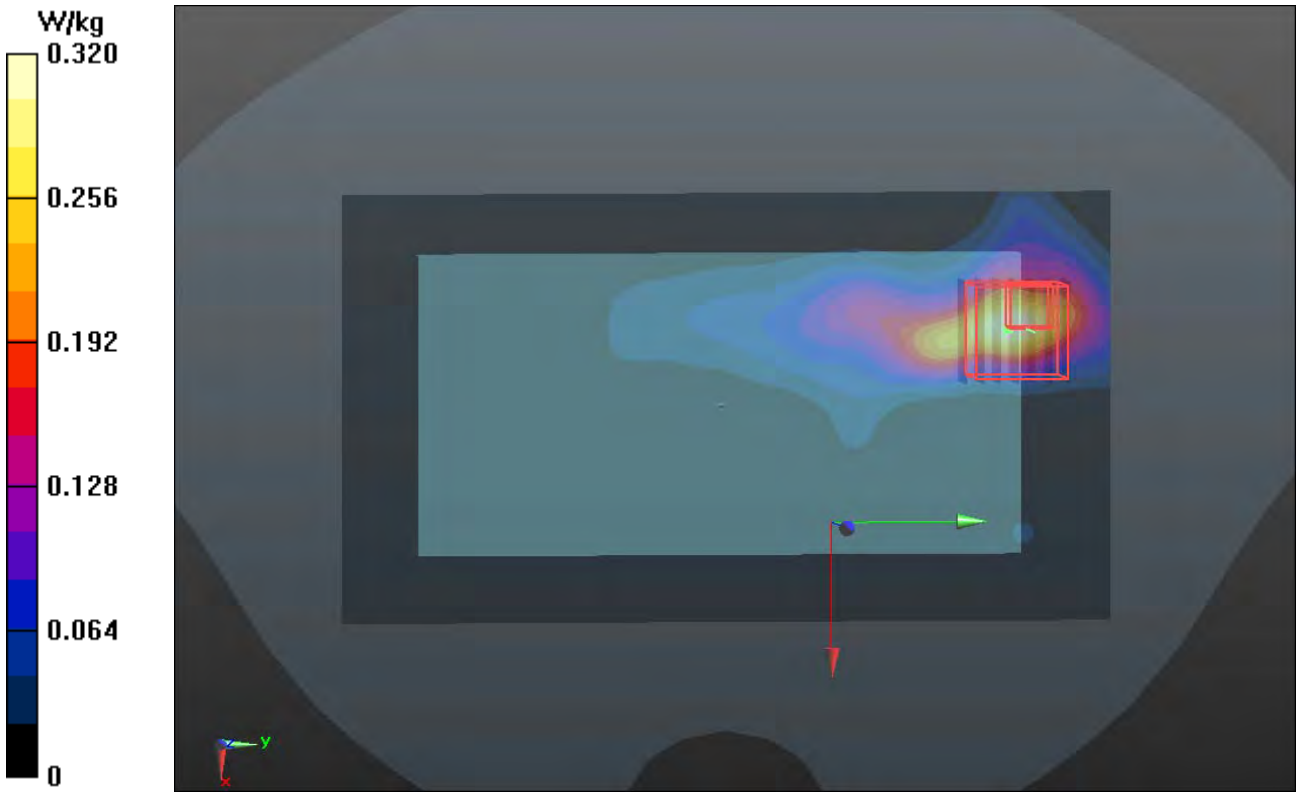
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: B5G_0819 Medium parameters used: f = 5795 MHz; σ = 6.107 mho/m; ε_r = 47.795; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.320 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.949 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.299 mW/g
SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.191 W/kg



P124 802.11n_HT40_Right Side_1cm_Ch159

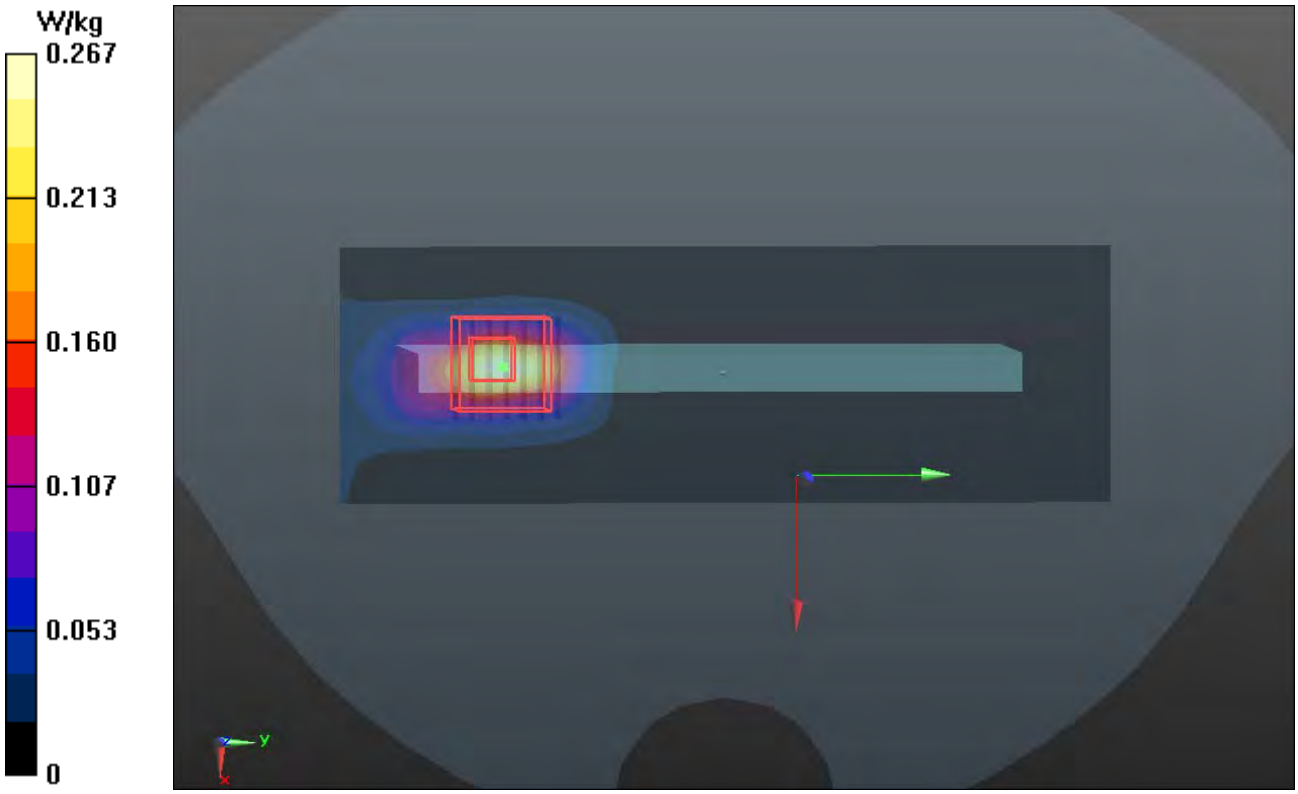
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: B5G_0819 Medium parameters used: f = 5795 MHz; σ = 6.107 mho/m; ε_r = 47.795; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.267 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.151 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.344 mW/g
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.194 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/08/19

P125 802.11n_HT40_Top Side_1cm_Ch159

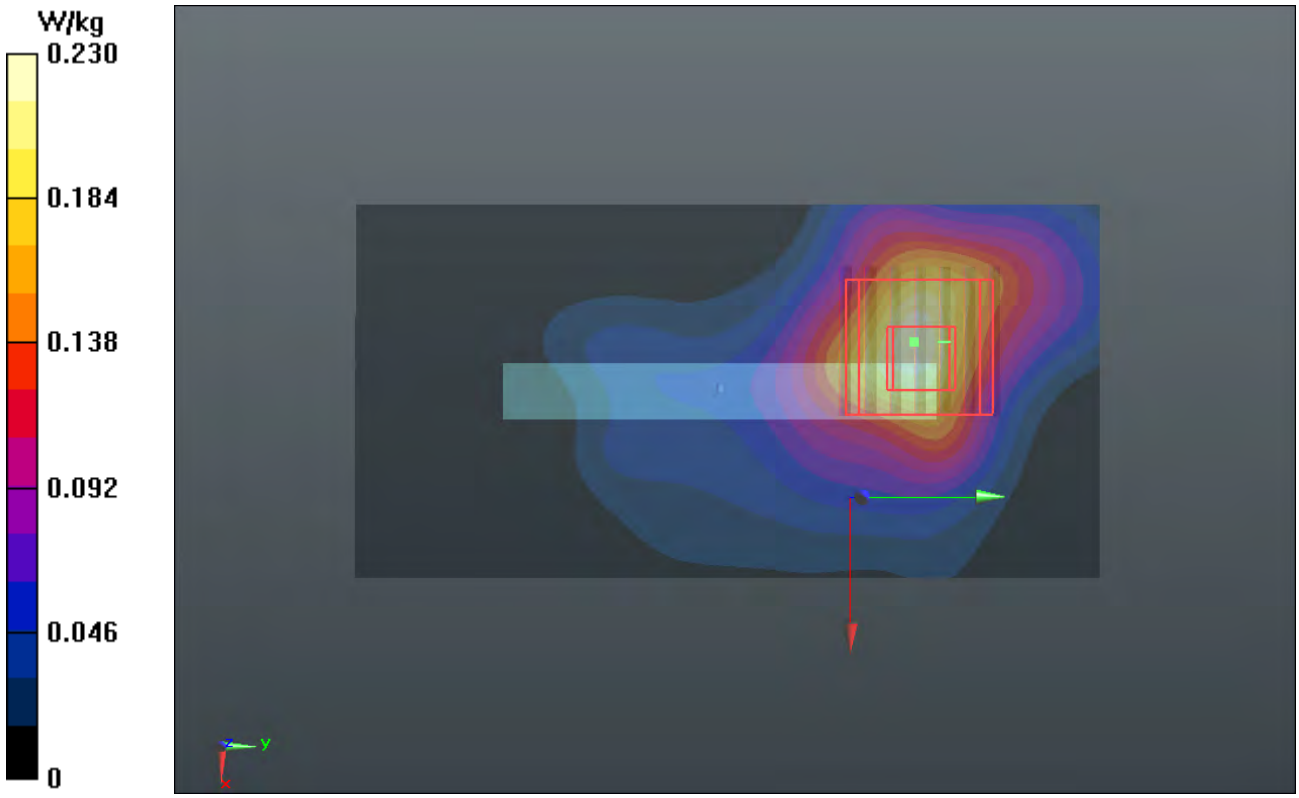
DUT: 120621C20

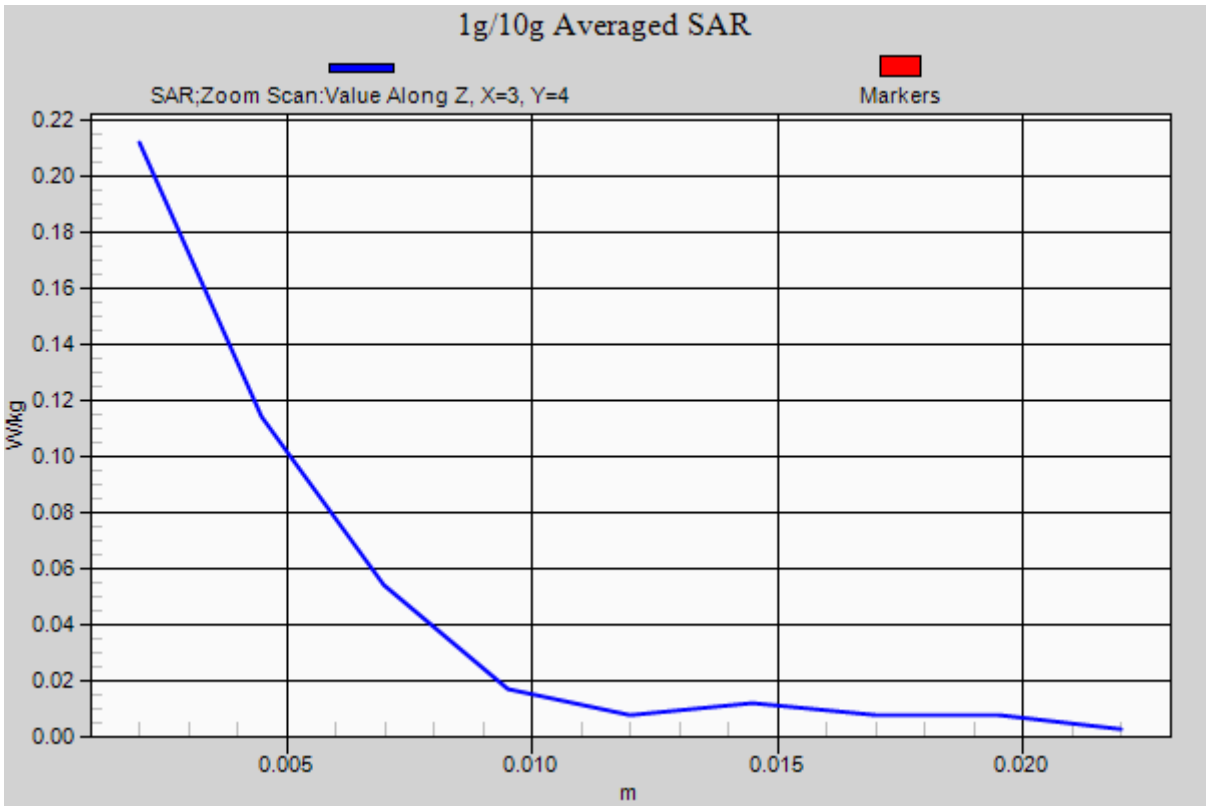
Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: B5G_0819 Medium parameters used: f = 5795 MHz; σ = 6.107 mho/m; ε_r = 47.795; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.230 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.516 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.437 mW/g
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.212 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=3, Y=4
Markers
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
W/kg
0.005
0.010
0.015
0.020
m

P152 802.11a_Front Face_1cm_Ch149_Earphone

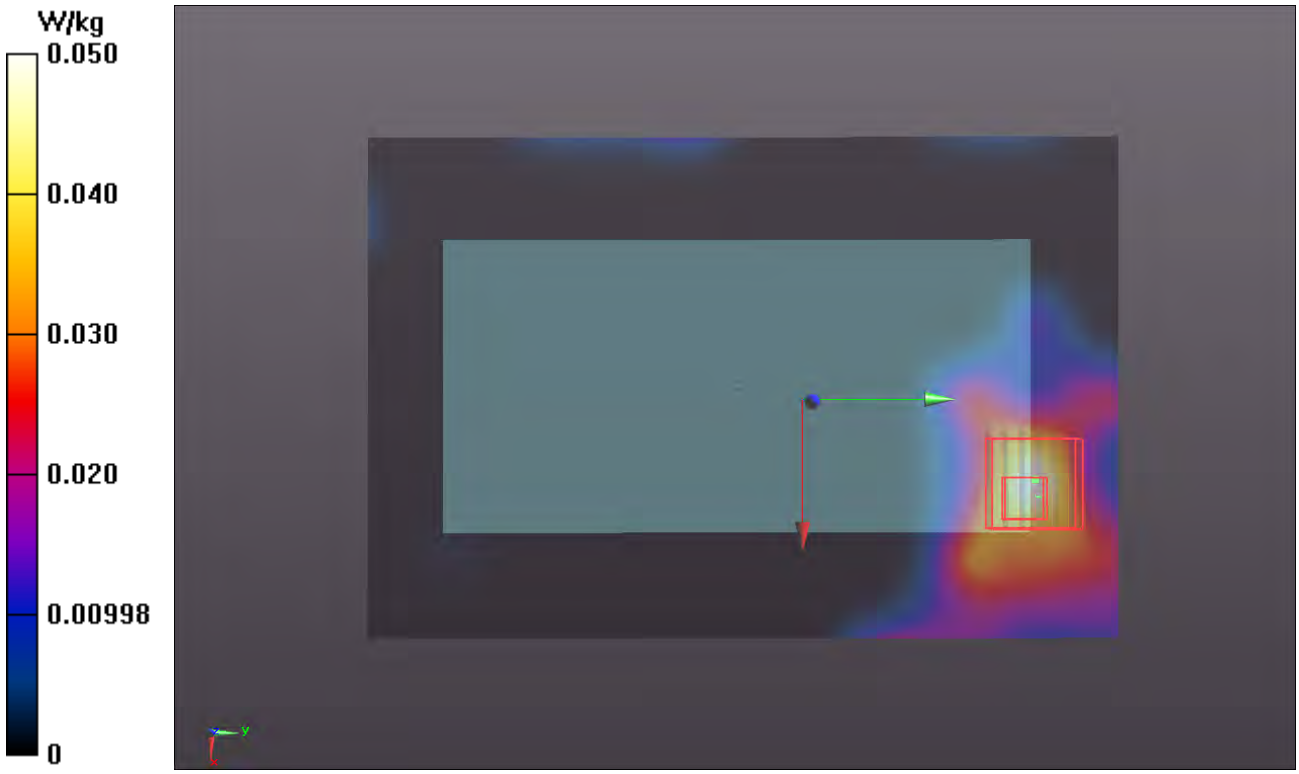
DUT: 120621C20

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_1020 Medium parameters used: f = 5745 MHz; σ = 6.019 mho/m; ε_r = 48.128; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(3.43, 3.43, 3.43); Calibrated: 2012/06/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0499 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.361 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.192 mW/g
SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.0559 W/kg



P153 802.11a_Rear Face_1cm_Ch149_Earphone

DUT: 120621C20

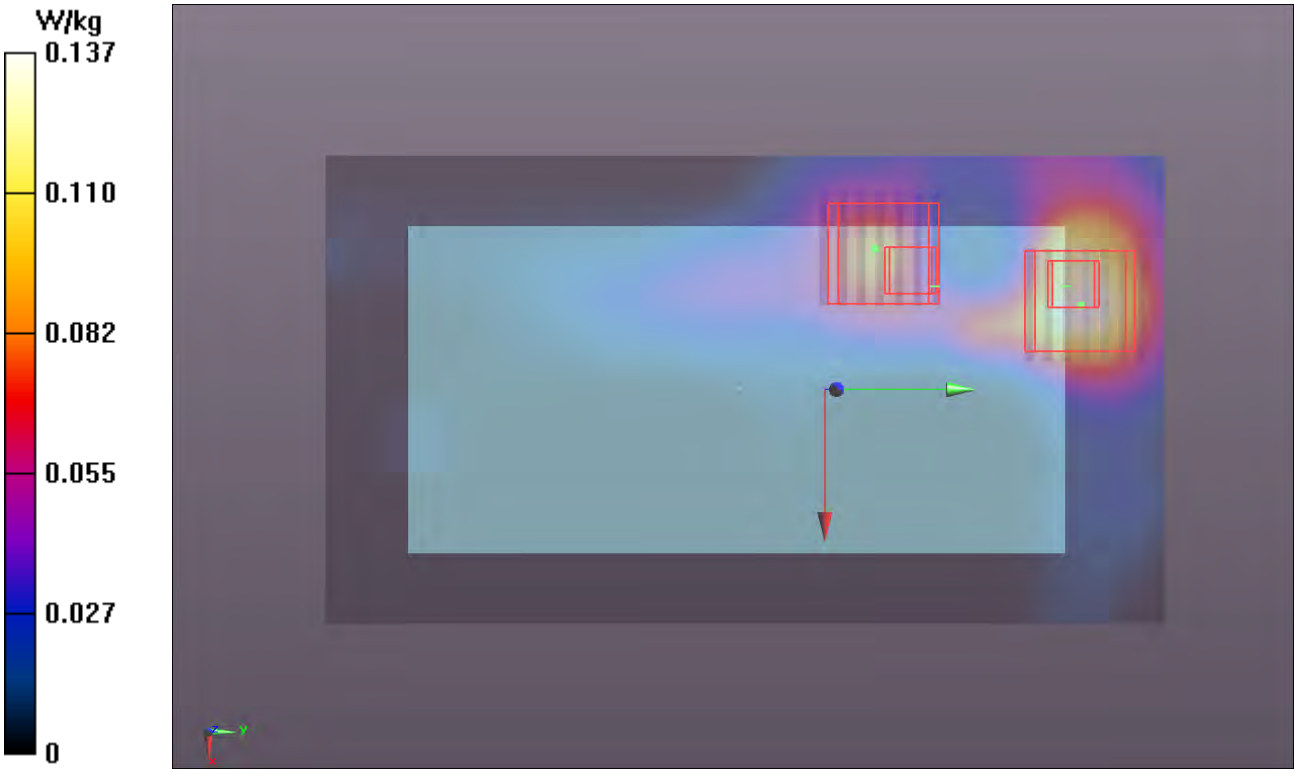
Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_1020 Medium parameters used: f = 5745 MHz; σ = 6.019 mho/m; ε_r = 48.128; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(3.43, 3.43, 3.43); Calibrated: 2012/06/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.137 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.288 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.236 mW/g
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.126 W/kg

Ch149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.288 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.221 mW/g
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.130 W/kg



P126 802.11n_HT40_Front Face _1cm_Ch159_Earphone

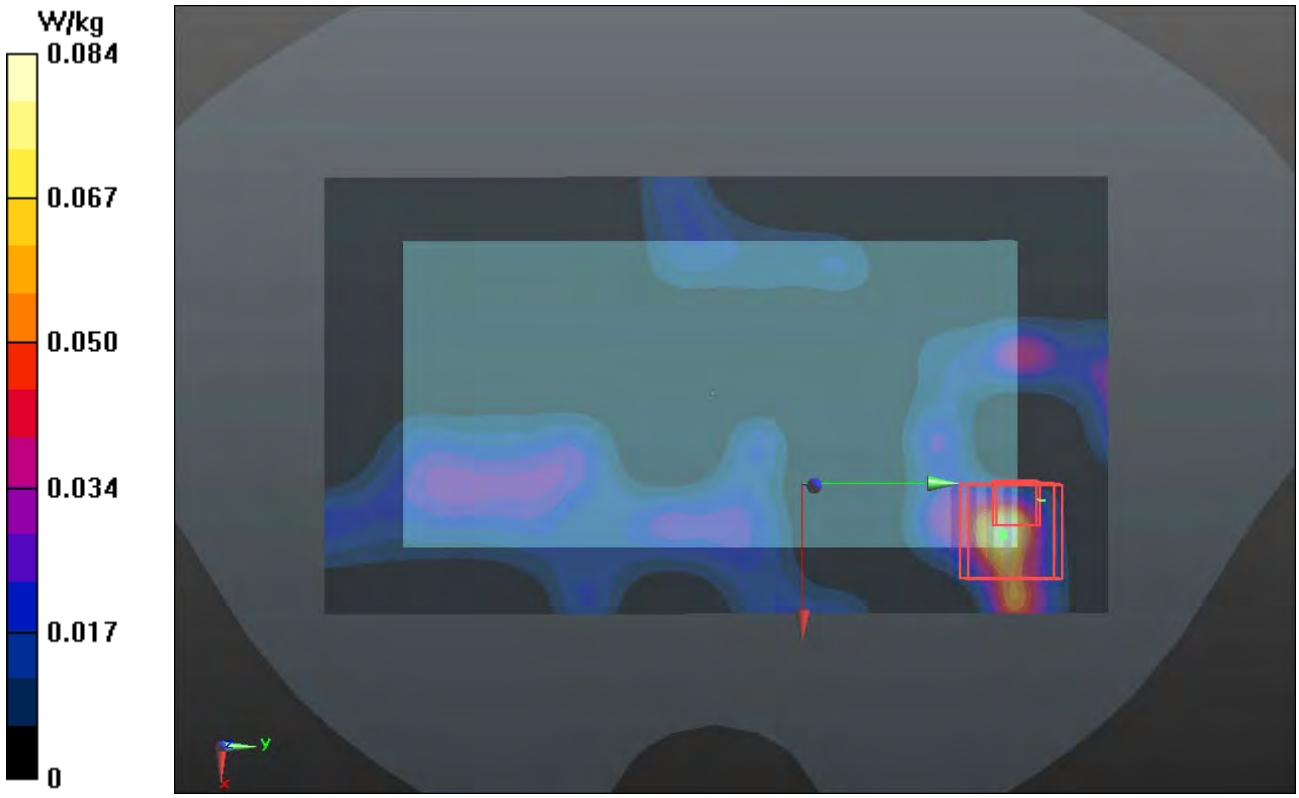
DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: B5G_0819 Medium parameters used: f = 5795 MHz; σ = 6.107 mho/m; ε_r = 47.795; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0839 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.302 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.292 mW/g
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.0823 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/08/19

P127 802.11n_HT40_Rear Face _1cm_Ch159_Earphone

DUT: 120621C20

Communication System: WLAN 5G; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: B5G_0819 Medium parameters used: f = 5795 MHz; σ = 6.107 mho/m; ε_r = 47.795; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch159/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.177 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.880 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.418 mW/g
SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.202 W/kg

Ch159/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.880 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.410 mW/g
SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.194 W/kg