Appendix B. SAR Plots of SAR Measurement

The plots for SAR measurement are shown as follows.

P01 GSM850_Right Cheek_Ch128

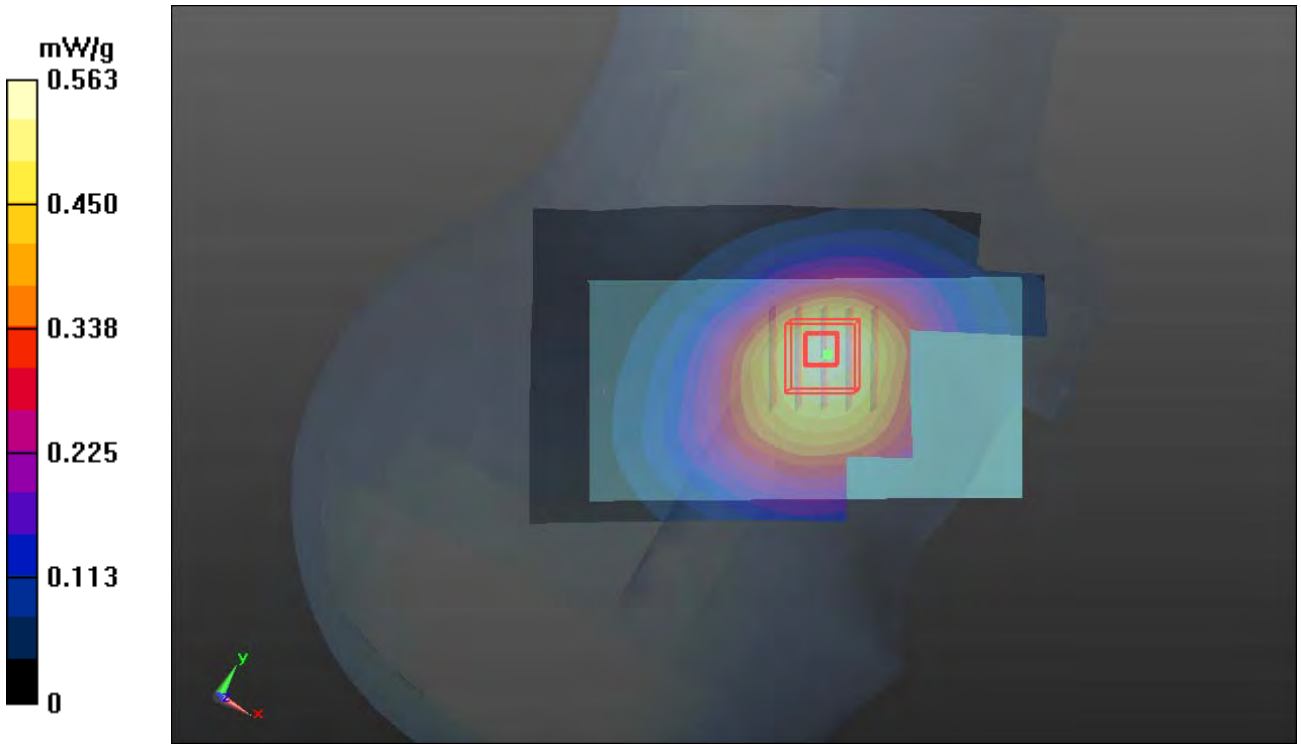
DUT: 111130C18

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium: H850_1219 Medium parameters used: f = 824.2 MHz; σ = 0.869 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.563 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.934 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.597 W/kg
SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.369 mW/g
Maximum value of SAR (measured) = 0.537 mW/g



P02 GSM850_Right Tilted_Ch128

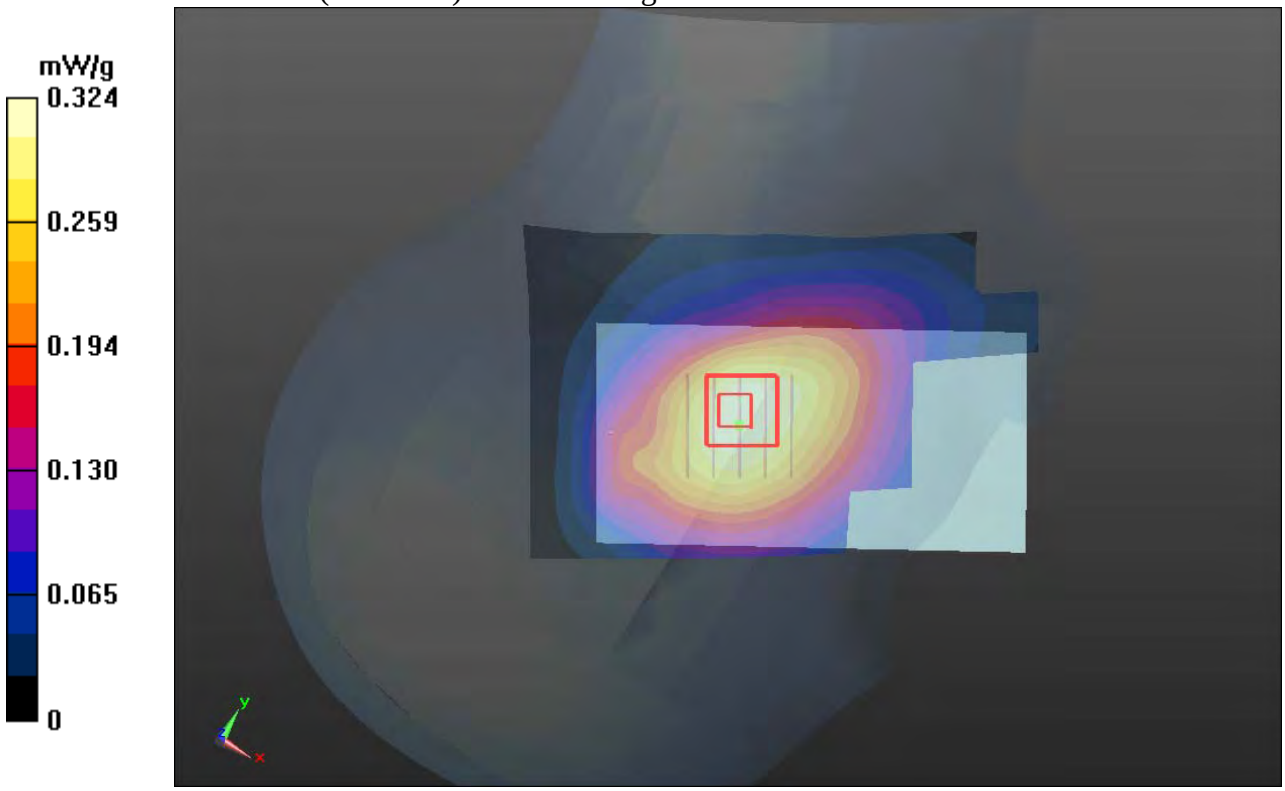
DUT: 111130C18

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium: H850_1219 Medium parameters used: f = 824.2 MHz; σ = 0.869 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.324 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.131 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.346 W/kg
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.219 mW/g
Maximum value of SAR (measured) = 0.313 mW/g



P03 GSM850_Left Cheek_Ch128

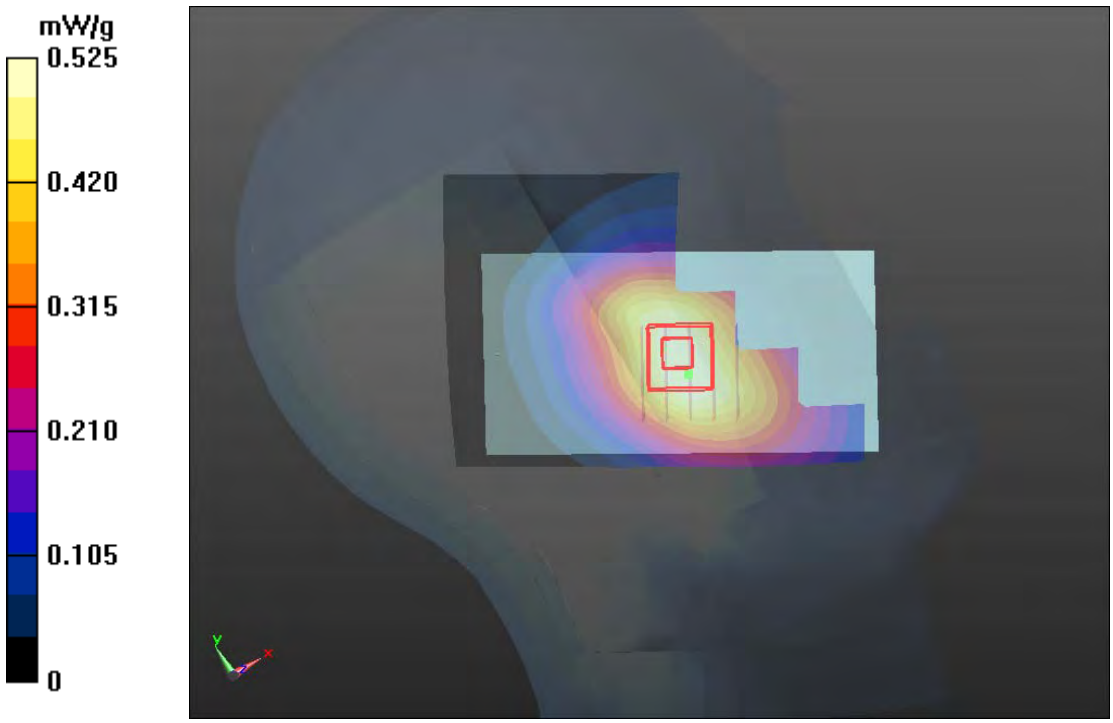
DUT: 111130C18

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium: H850_1219 Medium parameters used: f = 824.2 MHz; σ = 0.869 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.525 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.174 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.559 W/kg
SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.351 mW/g
Maximum value of SAR (measured) = 0.514 mW/g



P04 GSM850_Left Tilted_Ch128

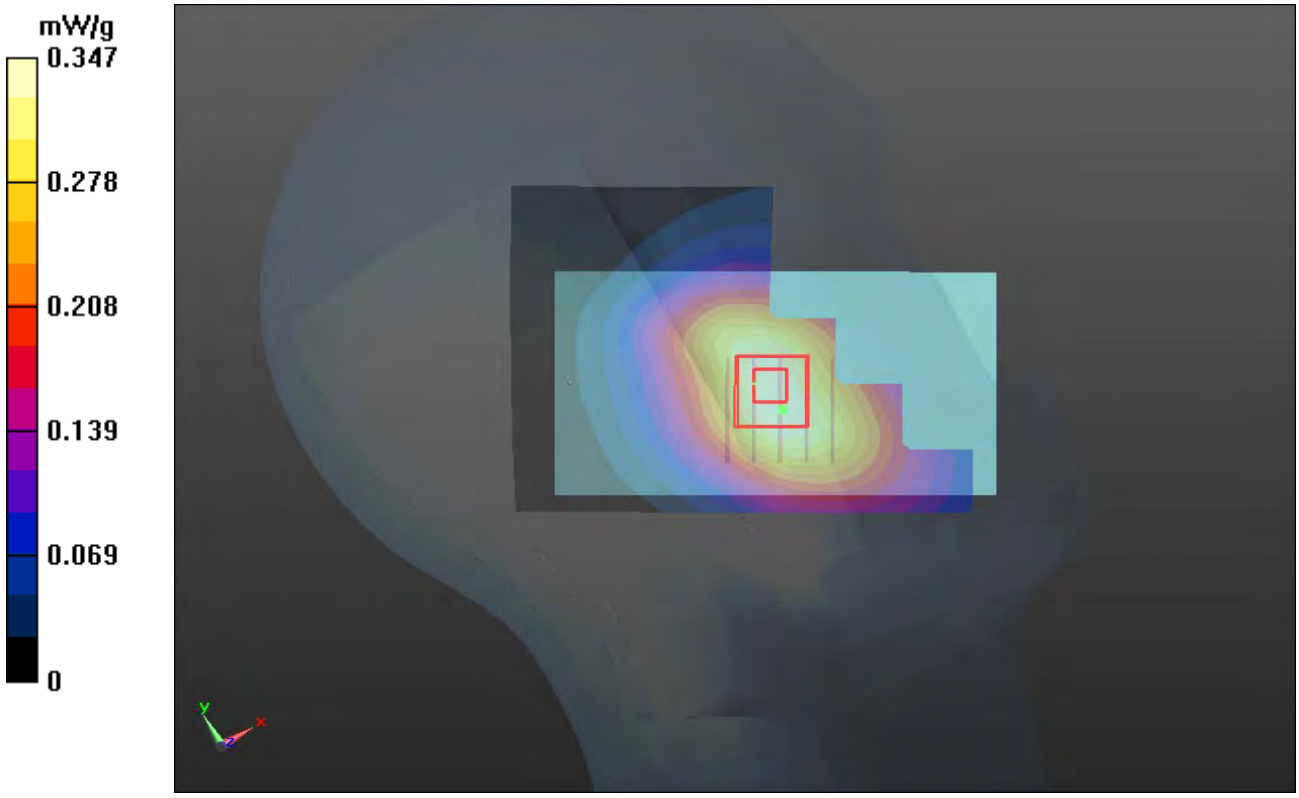
DUT: 111130C18

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium: H850_1219 Medium parameters used: f = 824.2 MHz; σ = 0.869 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.347 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.924 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.373 W/kg
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.236 mW/g
Maximum value of SAR (measured) = 0.337 mW/g



P135 GSM850_Right Cheek_Ch128_Battery2

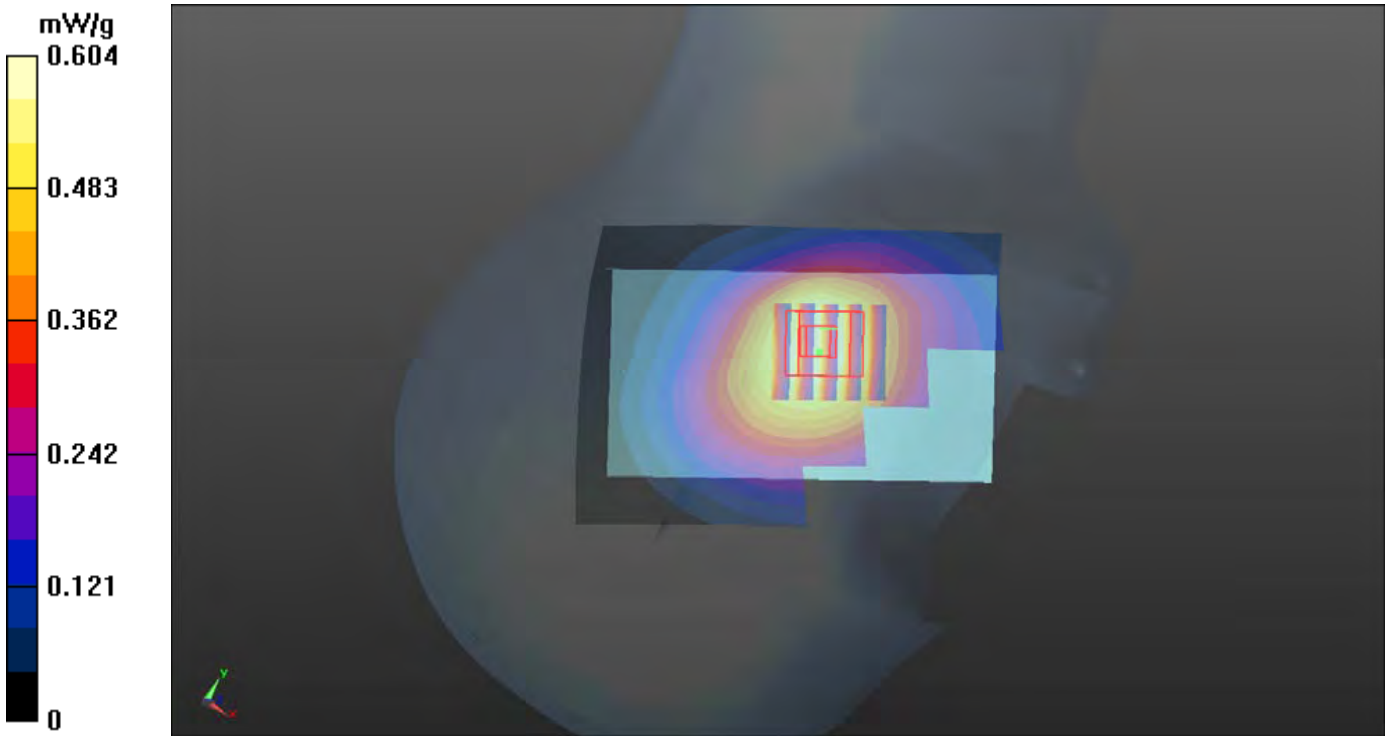
DUT: 111130C18

Communication System: GSM; Frequency: 824.2 MHz;Duty Cycle: 1:1
Medium: H835_0113 Medium parameters used : f = 824.2 MHz; σ = 0.908 mho/m; ε_r = 43.237; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.604 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.335 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.5400
SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.370 mW/g
Maximum value of SAR (measured) = 0.509 mW/g



P122 GSM850_GPRS10_Right Cheek_Ch128_Battery1

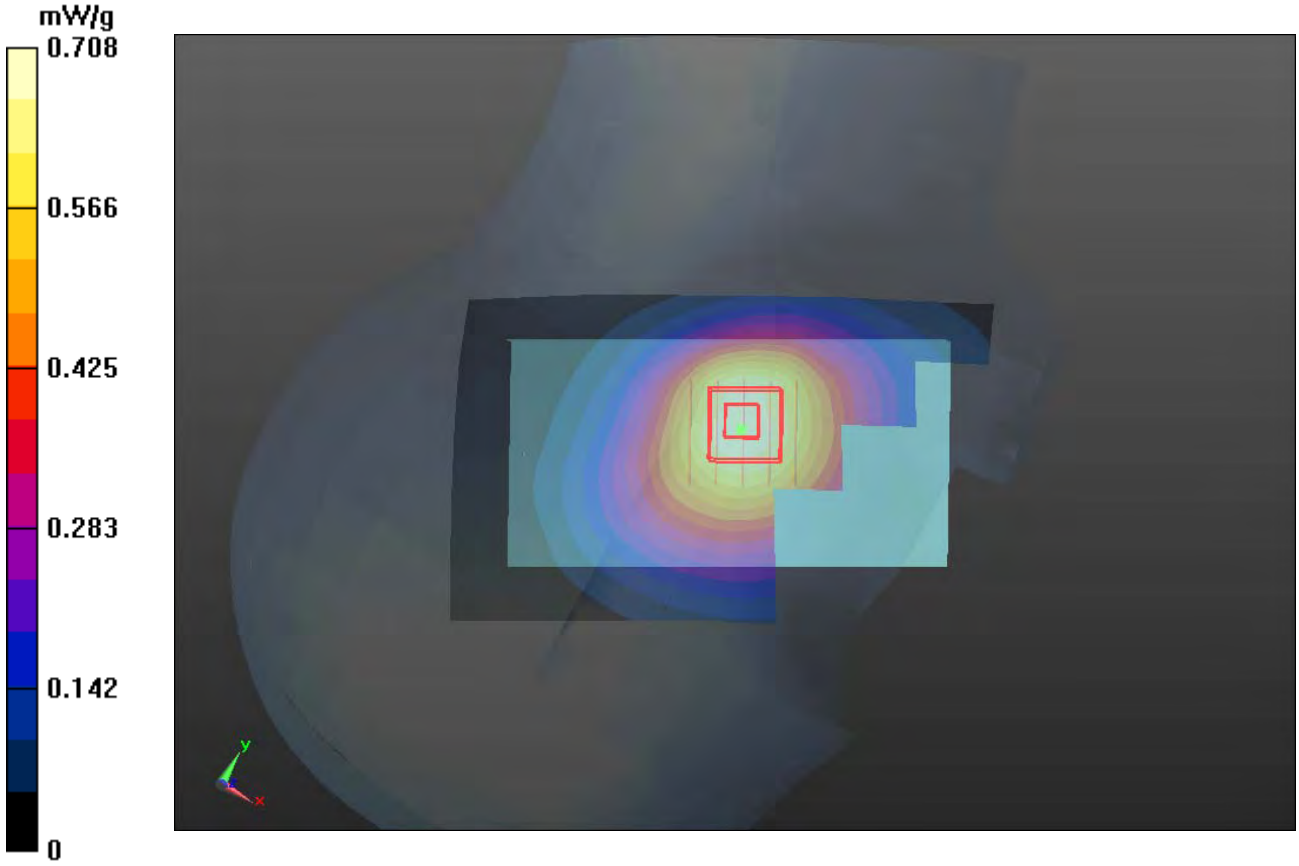
DUT: 111130C18

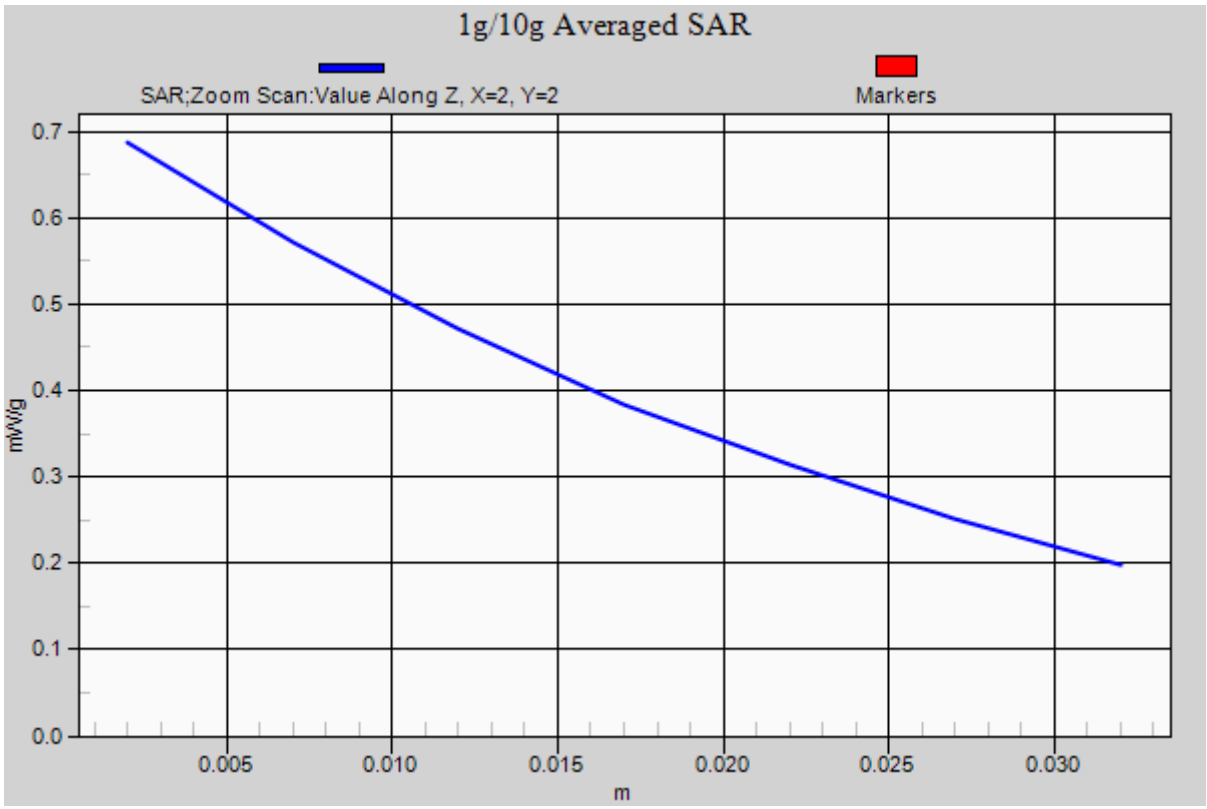
Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0113 Medium parameters used : f = 824.2 MHz; σ = 0.908 mho/m; ε_r = 43.237; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.708 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.557 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.7490
SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.475 mW/g
Maximum value of SAR (measured) = 0.687 mW/g




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

P123 GSM850_GPRS10_Right Tilted_Ch128_Battery1

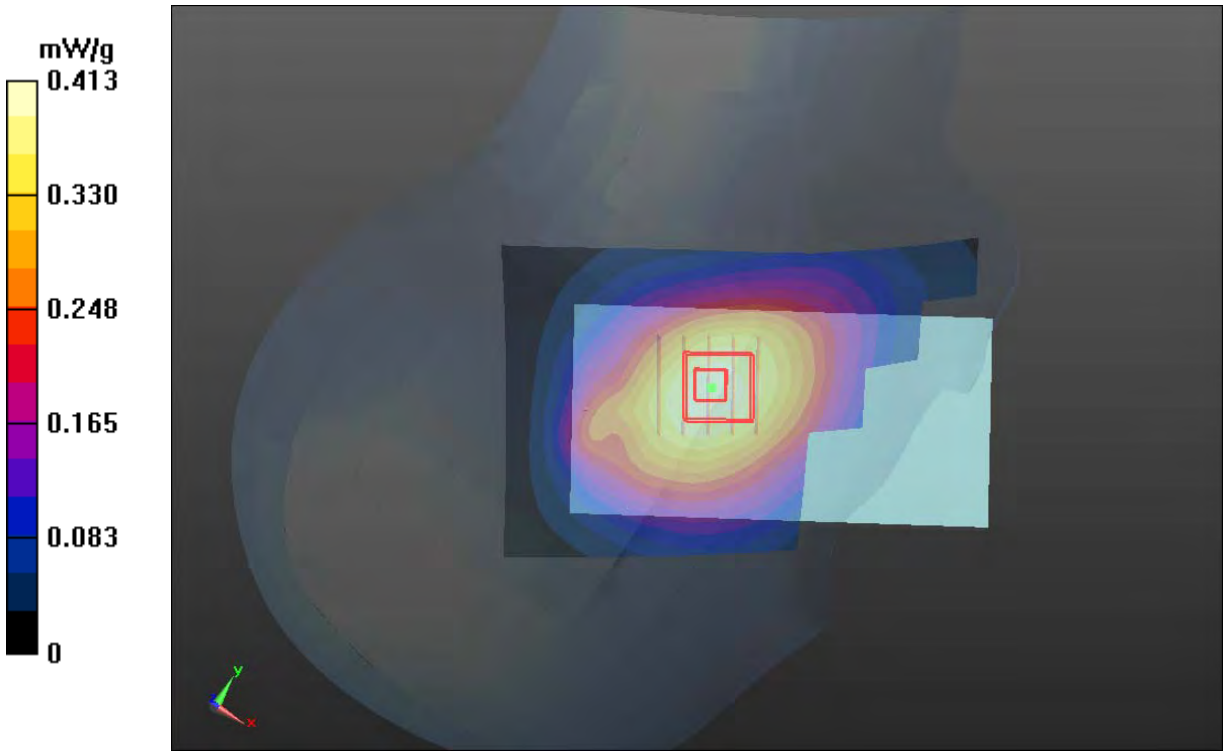
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0113 Medium parameters used : f = 824.2 MHz; σ = 0.908 mho/m; ε_r = 43.237; ρ = 1000 kg/m^3
Ambient Temperature：21.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.413 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.151 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.4200
SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.276 mW/g
Maximum value of SAR (measured) = 0.389 mW/g



P124 GSM850_GPRS10_Left Cheek_Ch128_Battery1

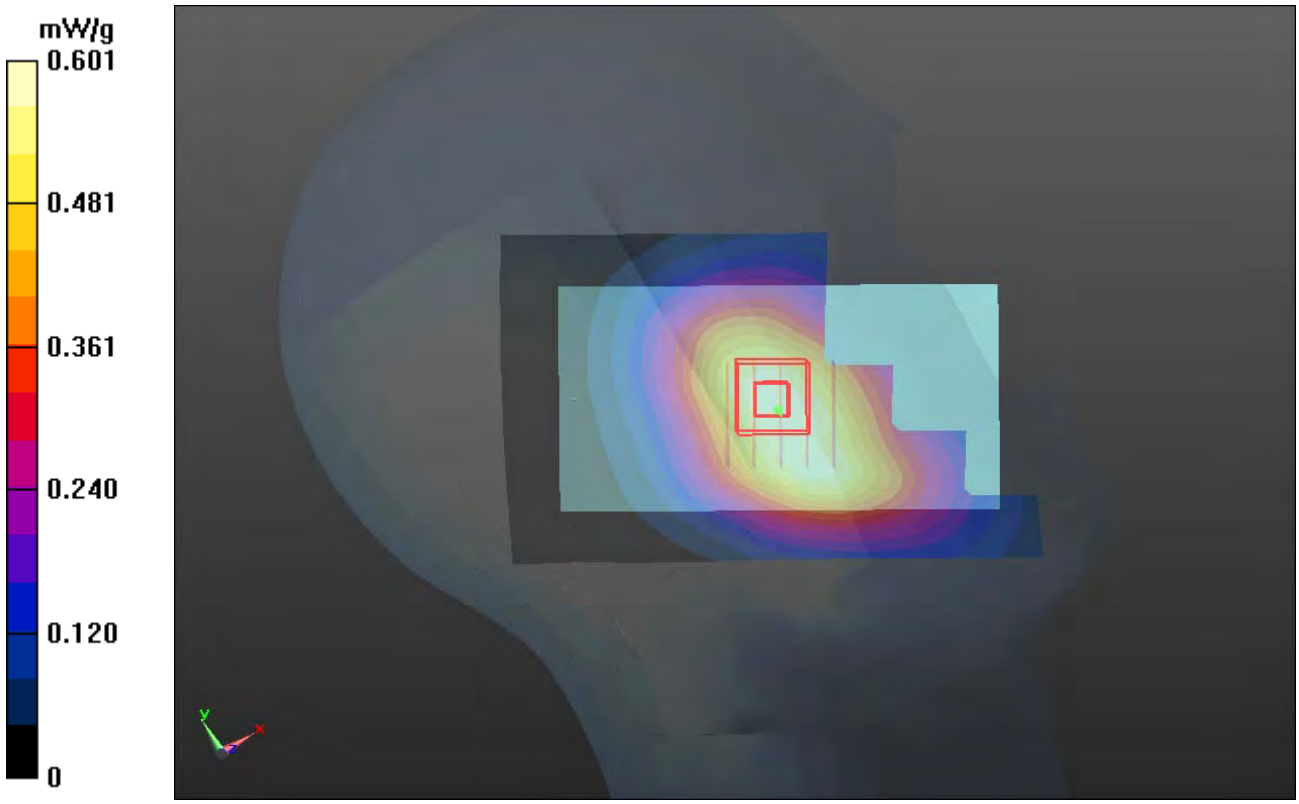
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0113 Medium parameters used : f = 824.2 MHz; σ = 0.908 mho/m; ε_r = 43.237; ρ = 1000 kg/m^3
Ambient Temperature：21.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.601 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.526 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 0.6390
SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.409 mW/g
Maximum value of SAR (measured) = 0.593 mW/g



P125 GSM850_GPRS10_Left Tilted_Ch128_Battery1

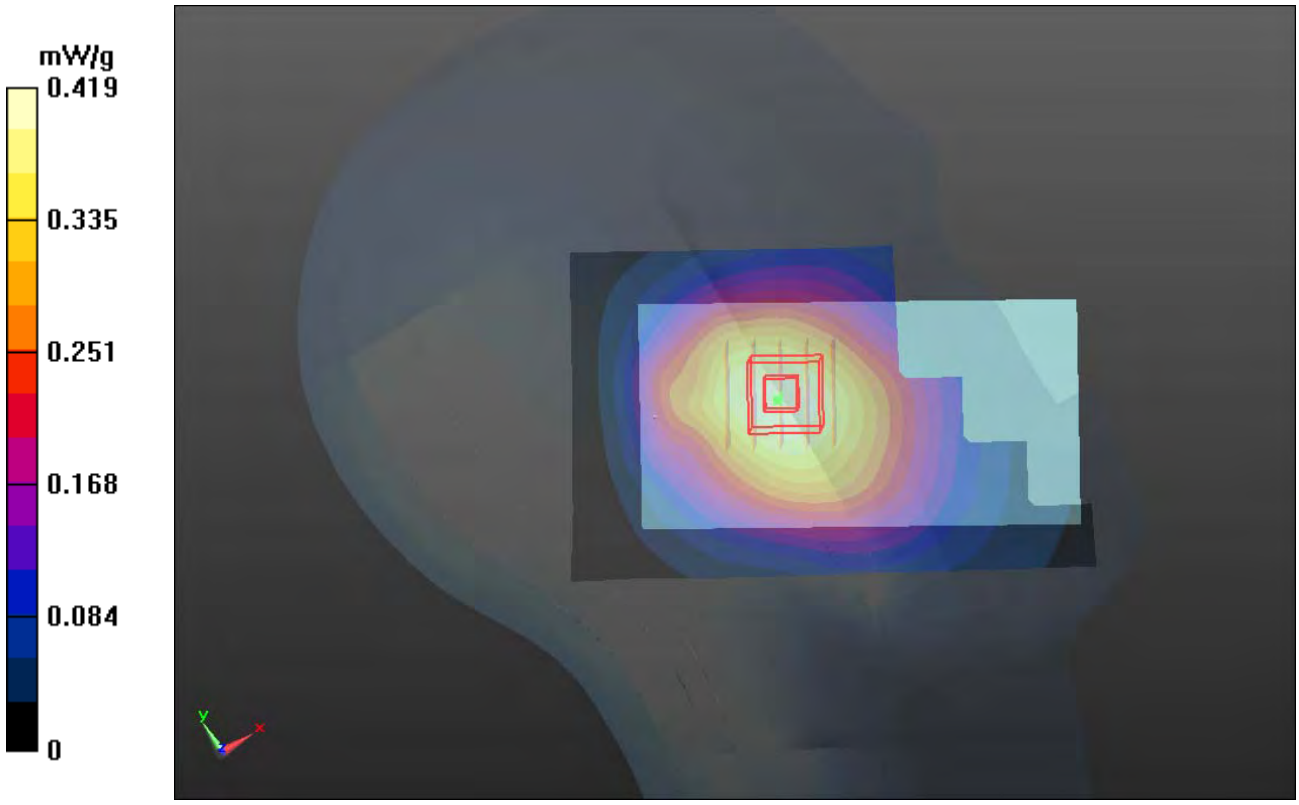
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0113 Medium parameters used : f = 824.2 MHz; σ = 0.908 mho/m; ε_r = 43.237; ρ = 1000 kg/m^3
Ambient Temperature：21.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.419 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.579 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.4390
SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.282 mW/g
Maximum value of SAR (measured) = 0.406 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/13

P134 GSM850_GPRS10_Right Cheek_Ch128_Battery2

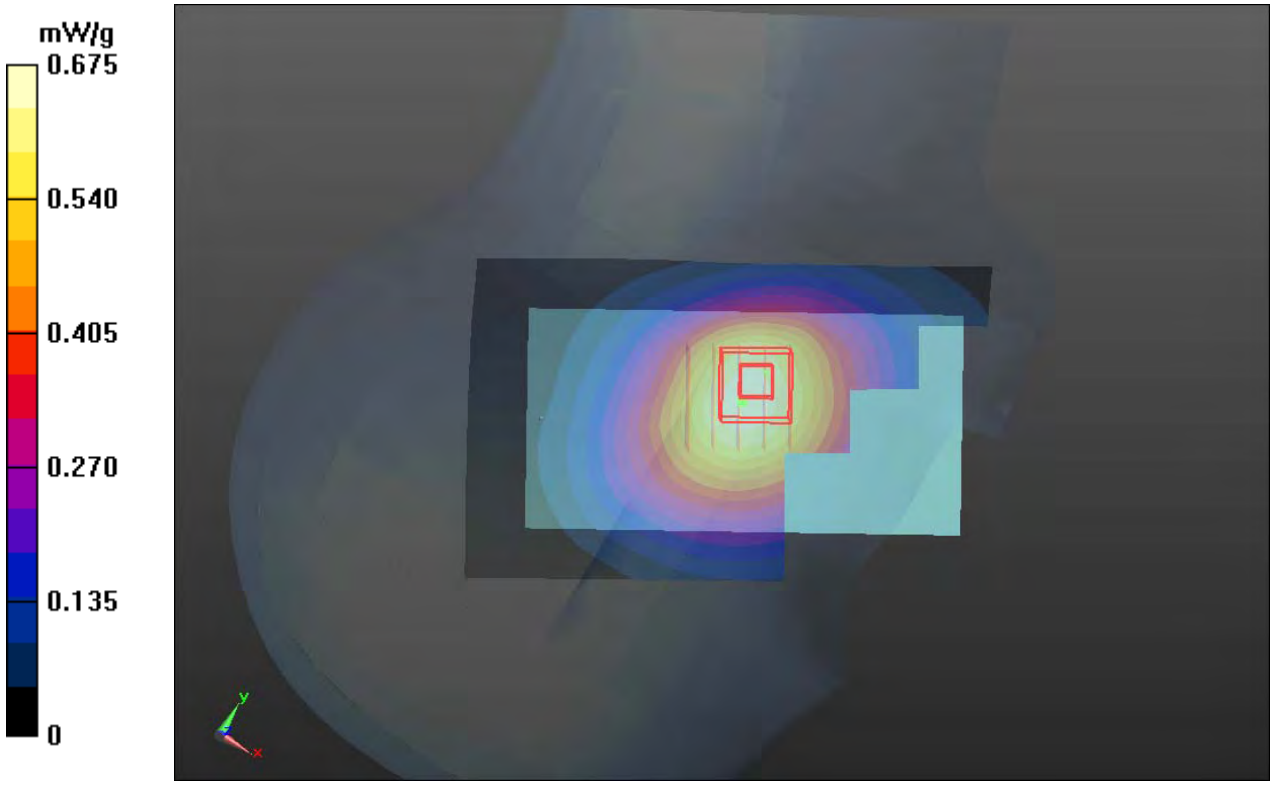
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0113 Medium parameters used : f = 824.2 MHz; σ = 0.908 mho/m; ε_r = 43.237; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.675 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.485 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.7100
SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.458 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



P60 GSM1900_Right Cheek_Ch810

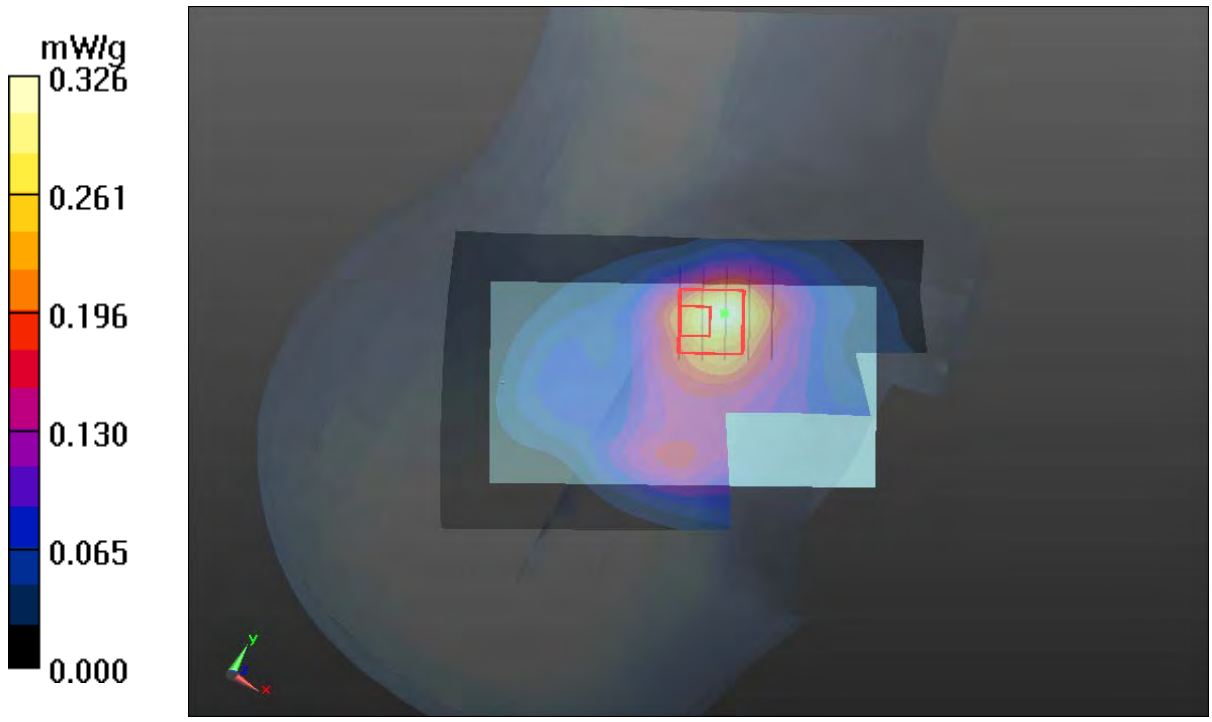
DUT: 111130C18

Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: H1900_1226 Medium parameters used : f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- 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

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.326 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.76 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.400 W/kg
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.326 mW/g



P61 GSM1900_Right Tilted_Ch810

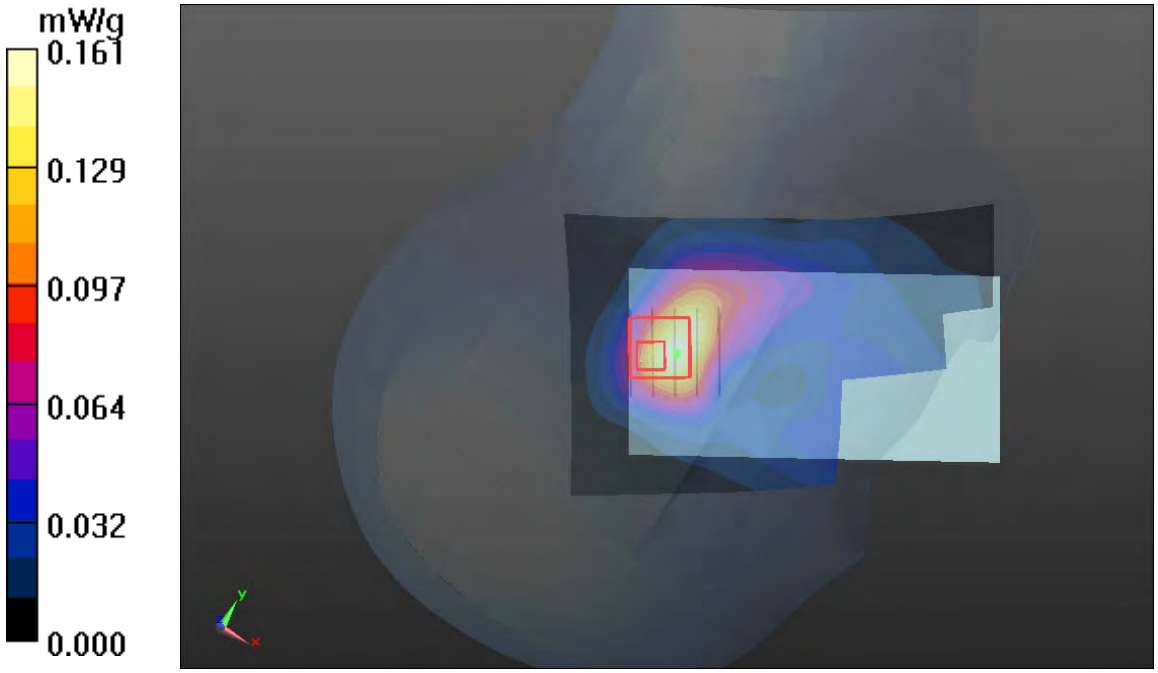
DUT: 111130C18

Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: H1900_1226 Medium parameters used : f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- 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

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.161 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.75 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 0.190 W/kg
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.155 mW/g



P62 GSM1900_Left Cheek_Ch810

DUT: 111130C18

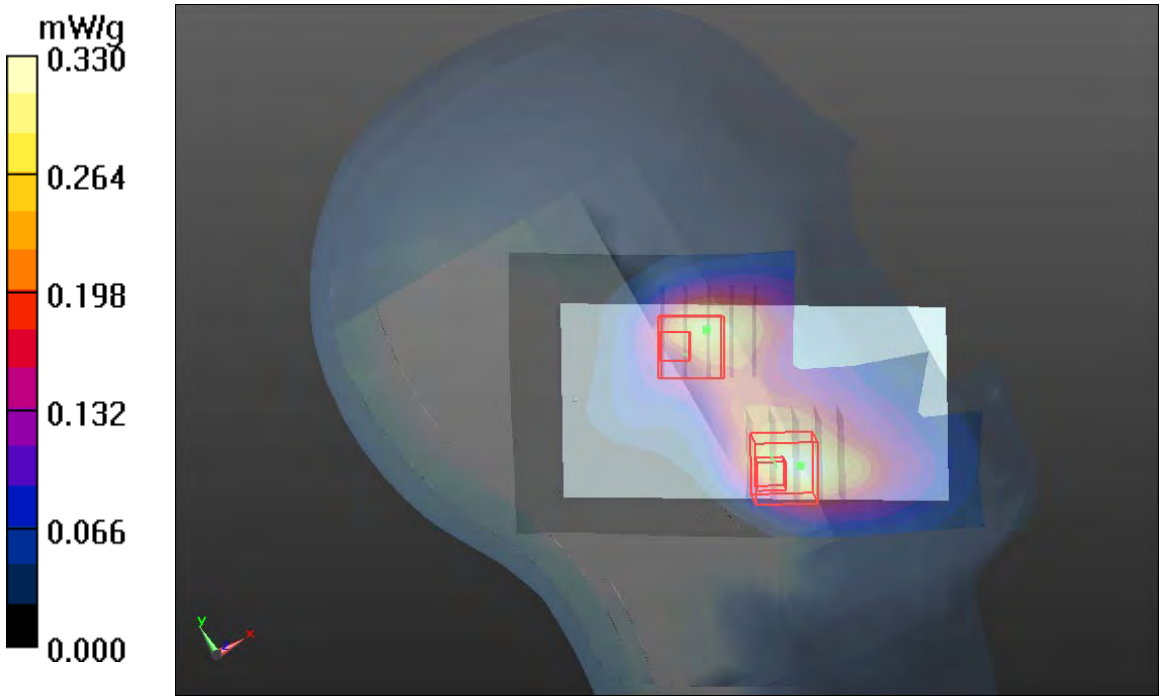
Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: H1900_1226 Medium parameters used : f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- 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

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.330 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.03 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.373 W/kg
SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.302 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.03 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.262 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.220 mW/g



P63 GSM1900_Left Tilted_Ch810

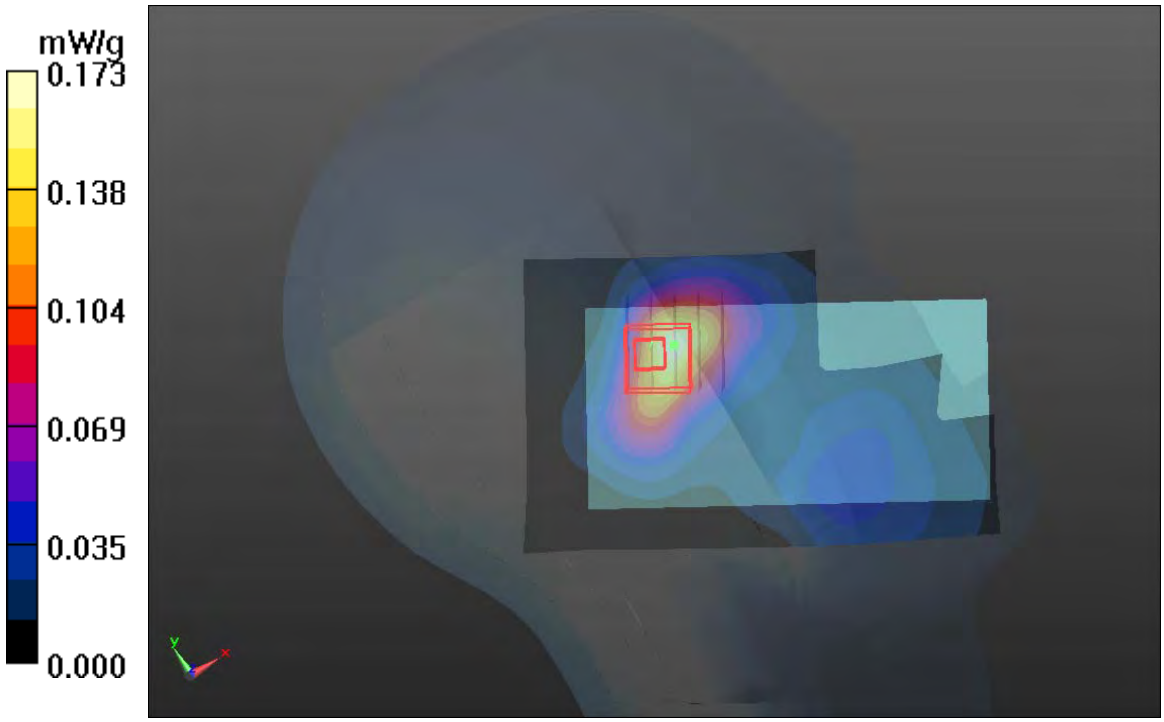
DUT: 111130C18

Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: H1900_1226 Medium parameters used : f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- 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

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.173 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.07 V/m; Power Drift = -0.180 dB
Peak SAR (extrapolated) = 0.170 W/kg
SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.141 mW/g



P136 GSM1900_Right Cheek_Ch810_Battery2

DUT: 111130C18

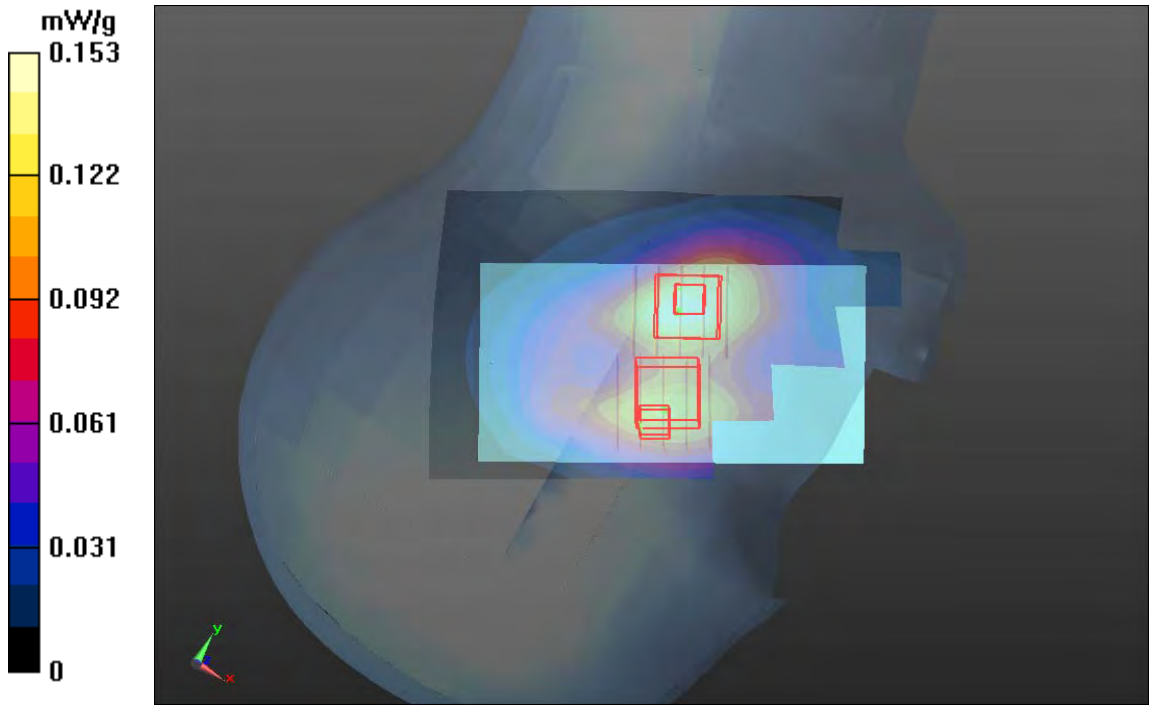
Communication System: GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:1
Medium: H1900_0113 Medium parameters used: f = 1910 MHz; σ = 1.4 mho/m; ε_r = 40.132; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.153 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.127 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.1950
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.161 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.127 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.1420
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.117 mW/g



P126 GSM1900_GPRS10_Right Cheek_Ch512_Battery1

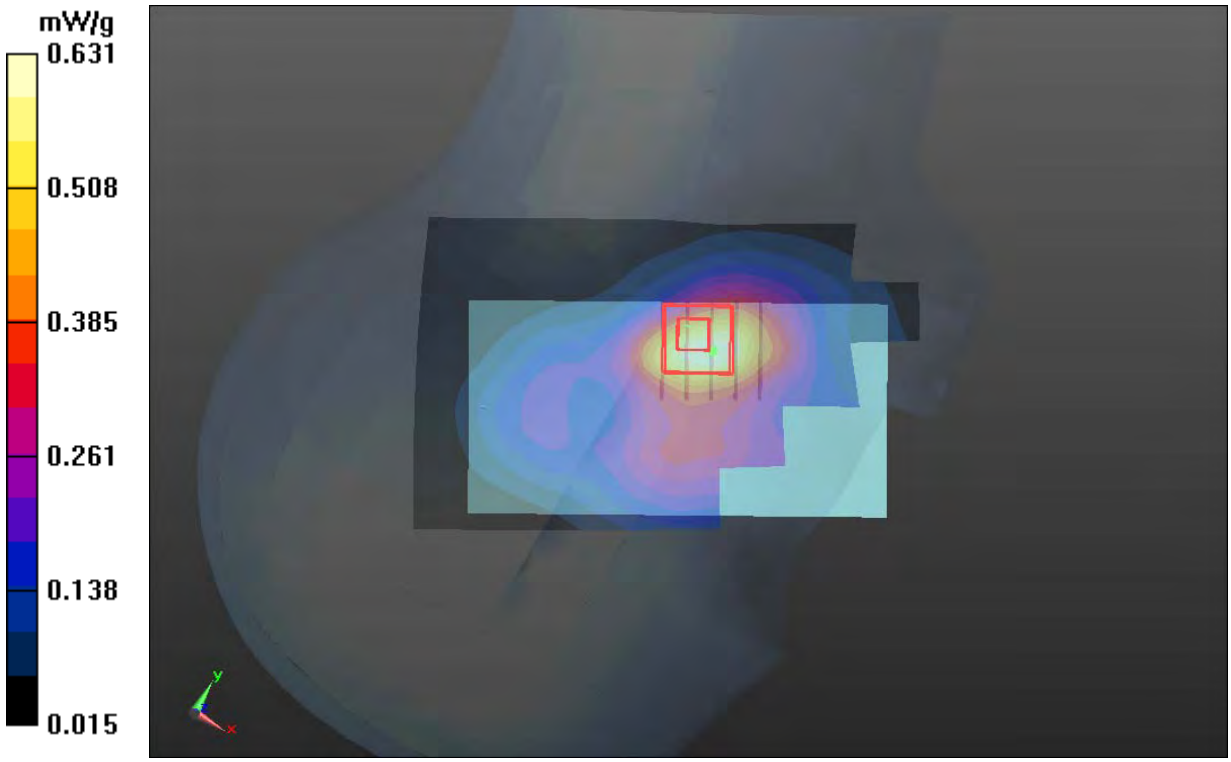
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0113 Medium parameters used: f = 1850.2 MHz; σ = 1.341 mho/m; ε_r = 40.363; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.614 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.947 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 0.7630
SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.631 mW/g



P127 GSM1900_GPRS10_Right Tilted_Ch512_Battery1

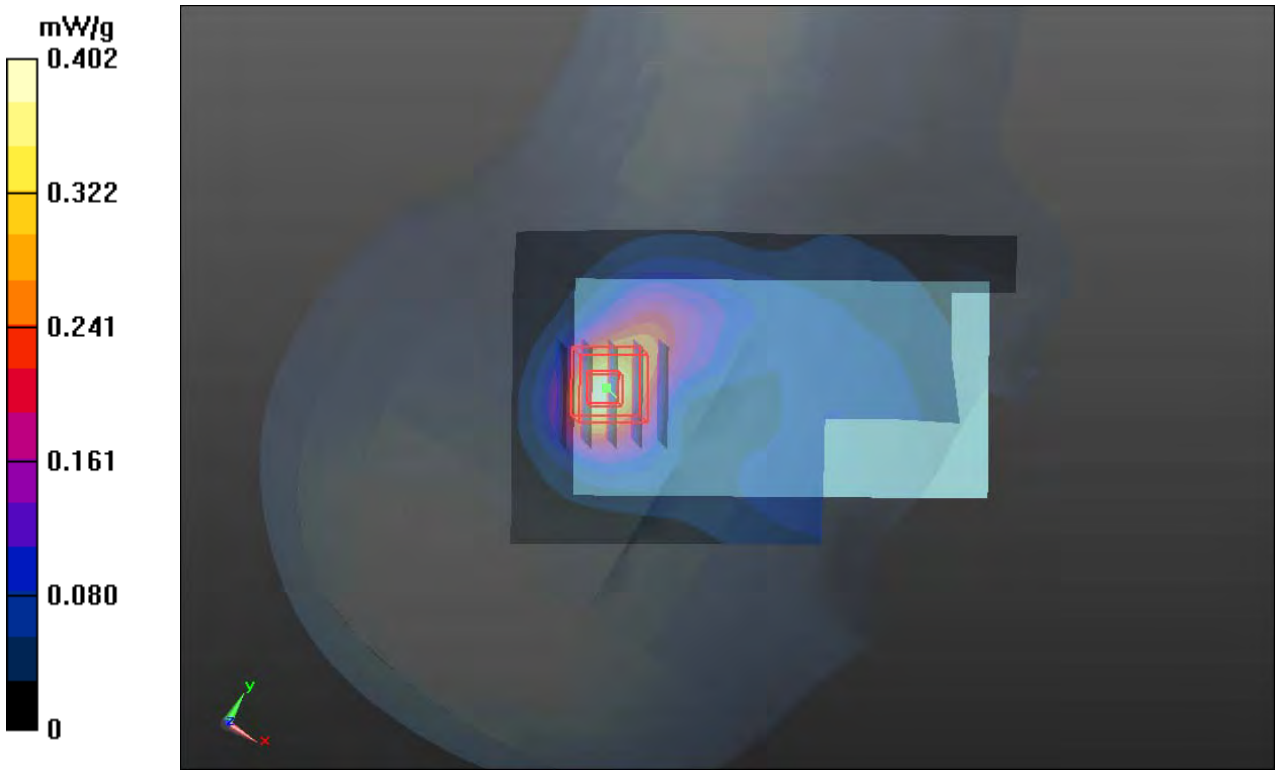
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0113 Medium parameters used: f = 1850.2 MHz; σ = 1.341 mho/m; ε_r = 40.363; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.402 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.843 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.4790
SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.380 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/13

P128 GSM1900_GPRS10_Left Cheek_Ch512_Battery1

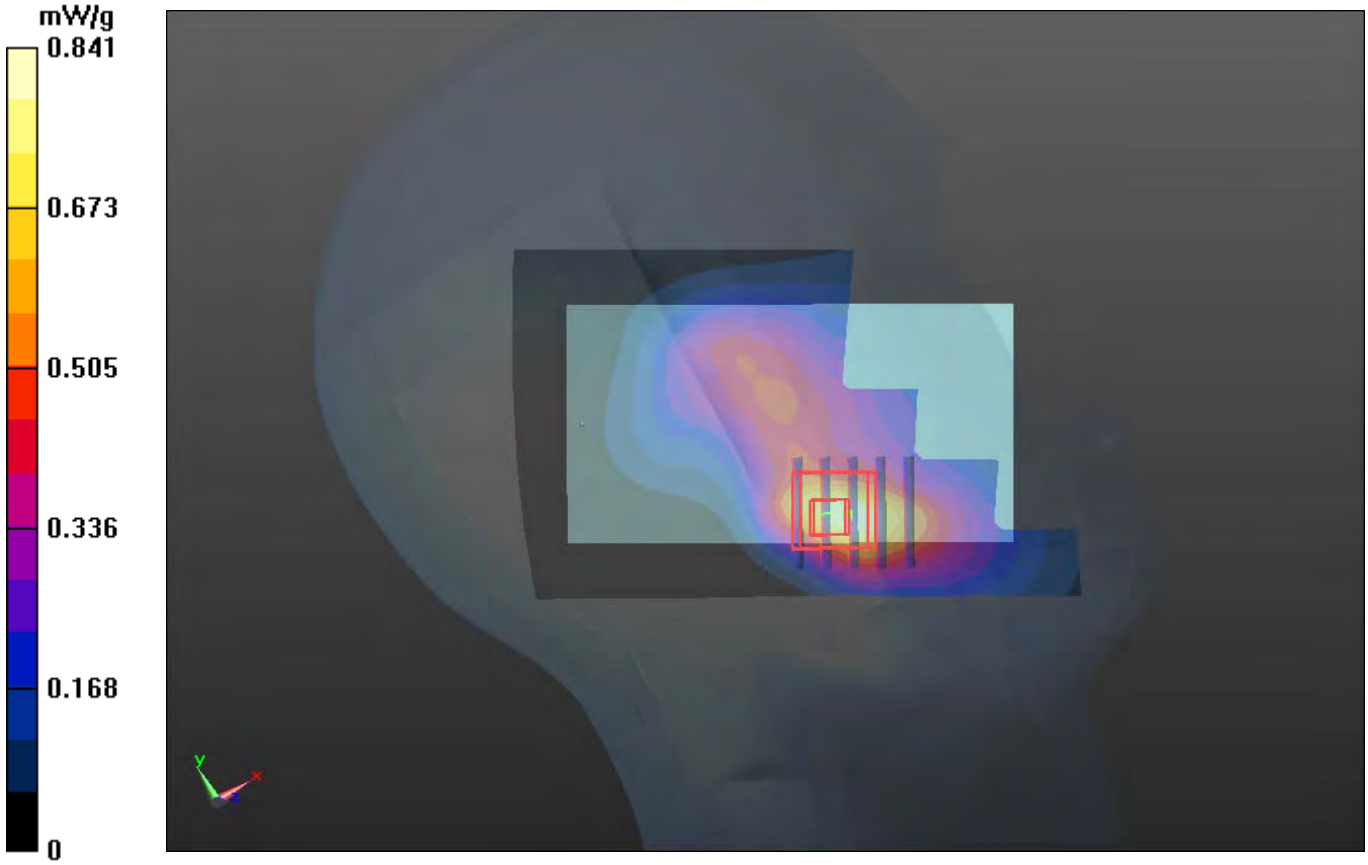
DUT: 111130C18

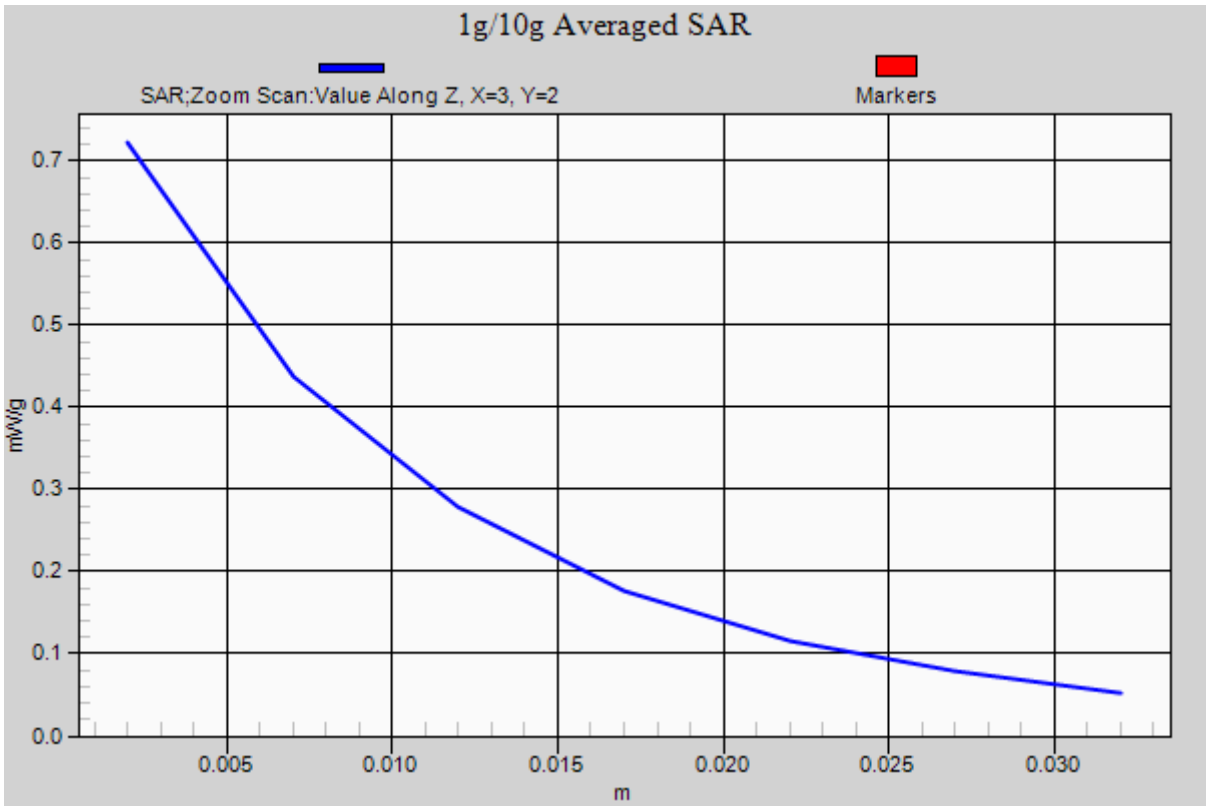
Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0113 Medium parameters used : f = 1850.2 MHz; σ = 1.341 mho/m; ε_r = 40.363; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.841 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.271 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.9190
SAR(1 g) = 0.570 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (measured) = 0.722 mW/g




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

P129 GSM1900_GPRS10_Left Tilted_Ch512_Battery2

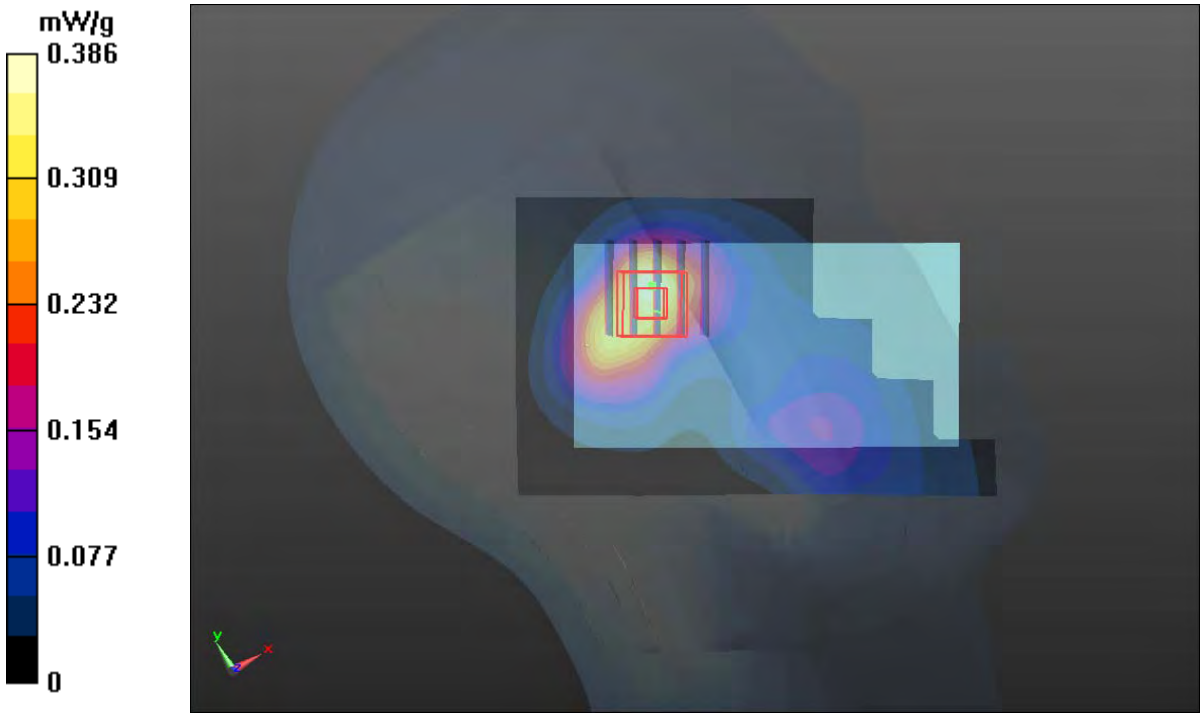
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0113 Medium parameters used : f = 1850.2 MHz; σ = 1.341 mho/m; ε_r = 40.363; ρ = 1000 kg/m^3
Ambient Temperature：21.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.386 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.554 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.4290
SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.352 mW/g



P130 GSM1900_GPRS10_Left Cheek_Ch512_Battery2

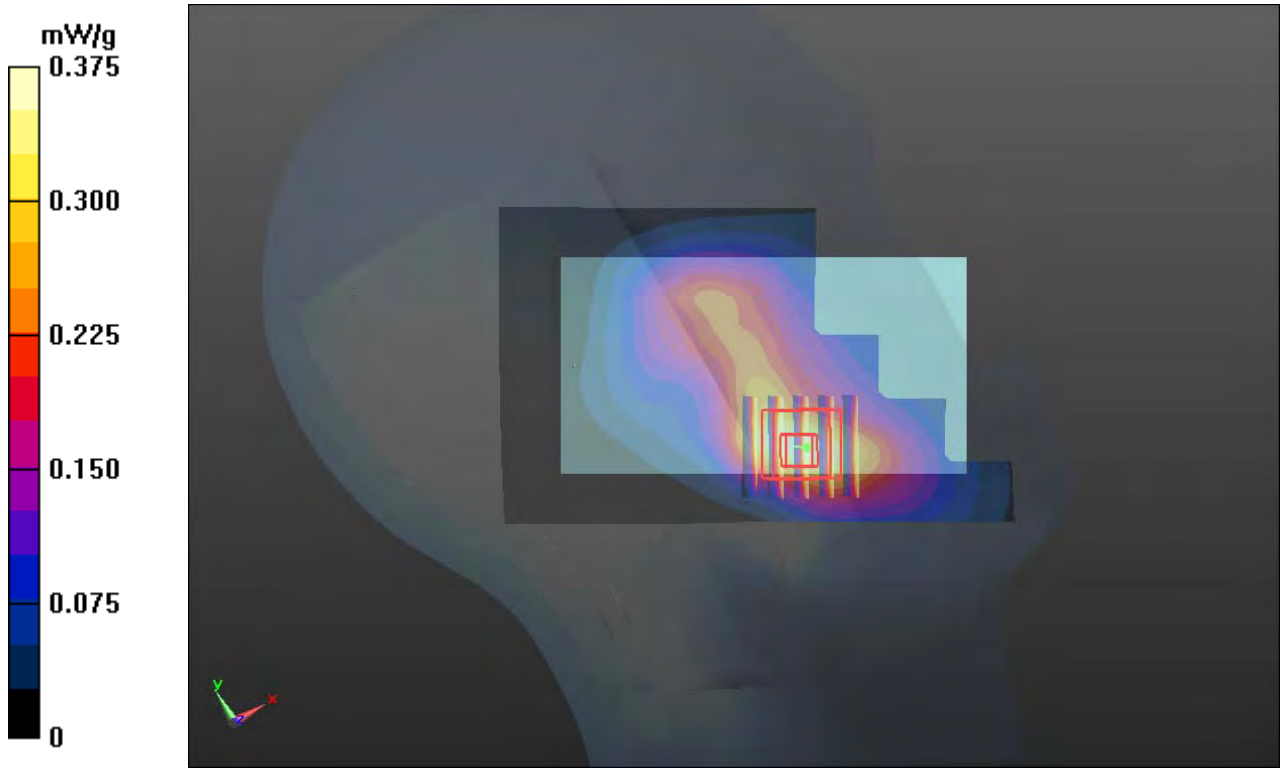
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0113 Medium parameters used : f = 1850.2 MHz; σ = 1.341 mho/m; ε_r = 40.363; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.375 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.839 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.4460
SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.353 mW/g



P05 WCDMA V_RMC12.2K_Right Cheek_Ch4132

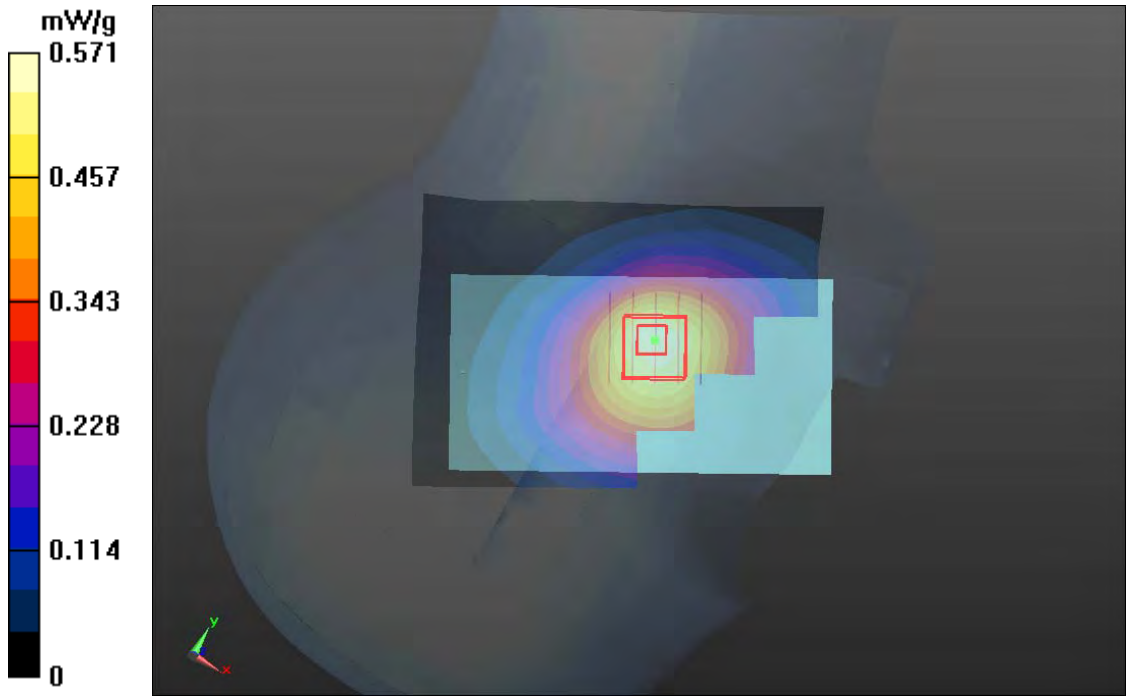
DUT: 111130C18

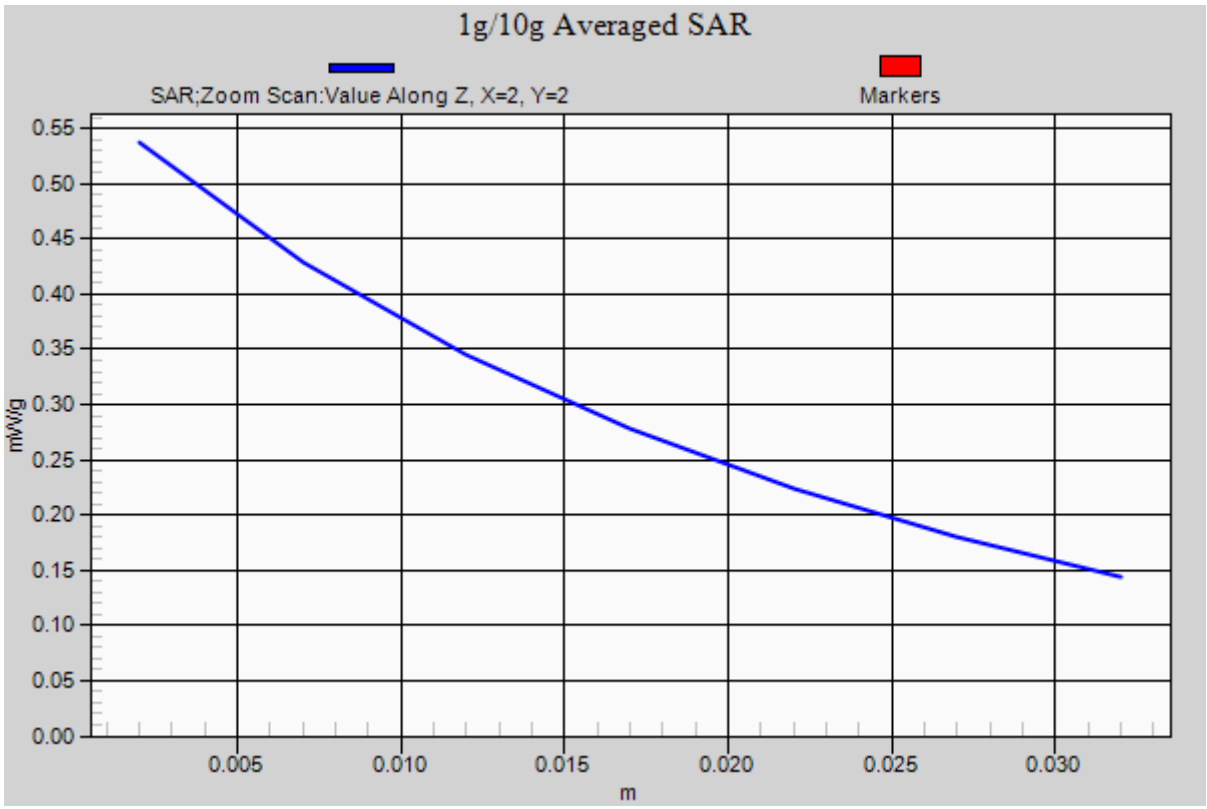
Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H850_1219 Medium parameters used: f = 826.4 MHz; σ = 0.871 mho/m; ε_r = 42.372; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.571 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.052 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.537 mW/g




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

P06 WCDMA V_RMC12.2K_Right Tilted_Ch4132

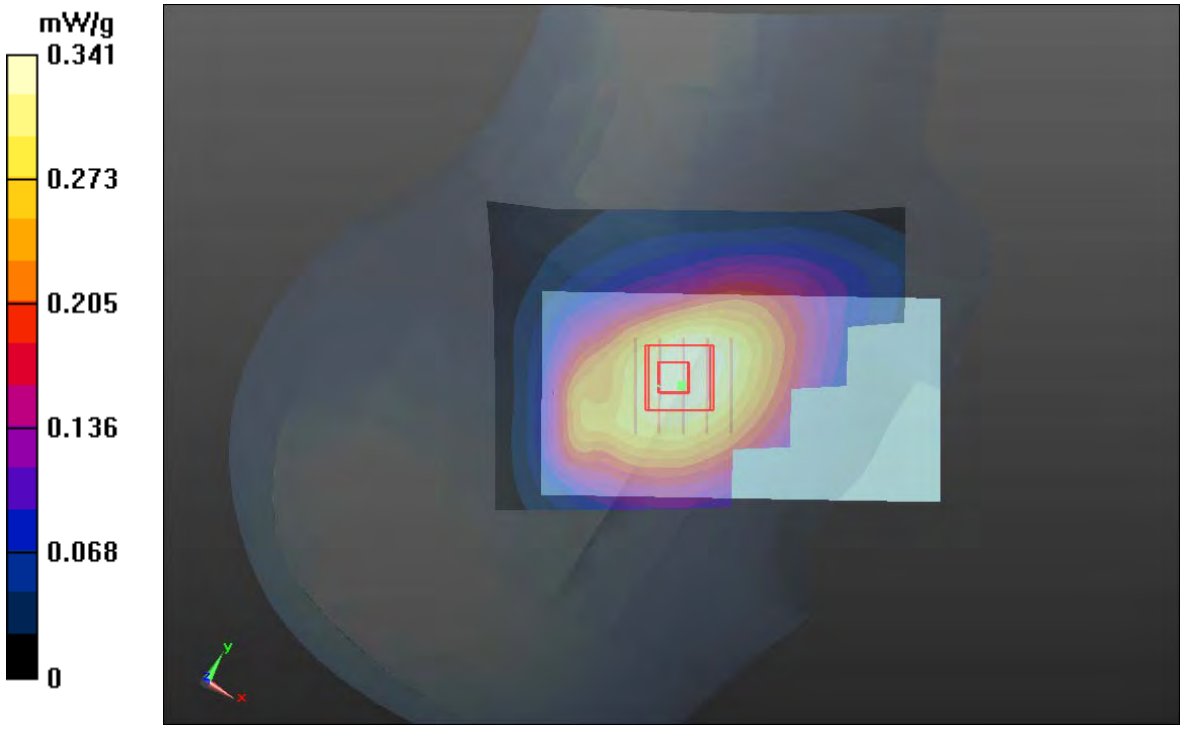
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H850_1219 Medium parameters used: f = 826.4 MHz; σ = 0.871 mho/m; ε_r = 42.372; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.341 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.220 V/m; Power Drift = 0.0073 dB
Peak SAR (extrapolated) = 0.376 W/kg
SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.241 mW/g
Maximum value of SAR (measured) = 0.346 mW/g



P07 WCDMA V_RMC12.2K_Left Cheek_Ch4132

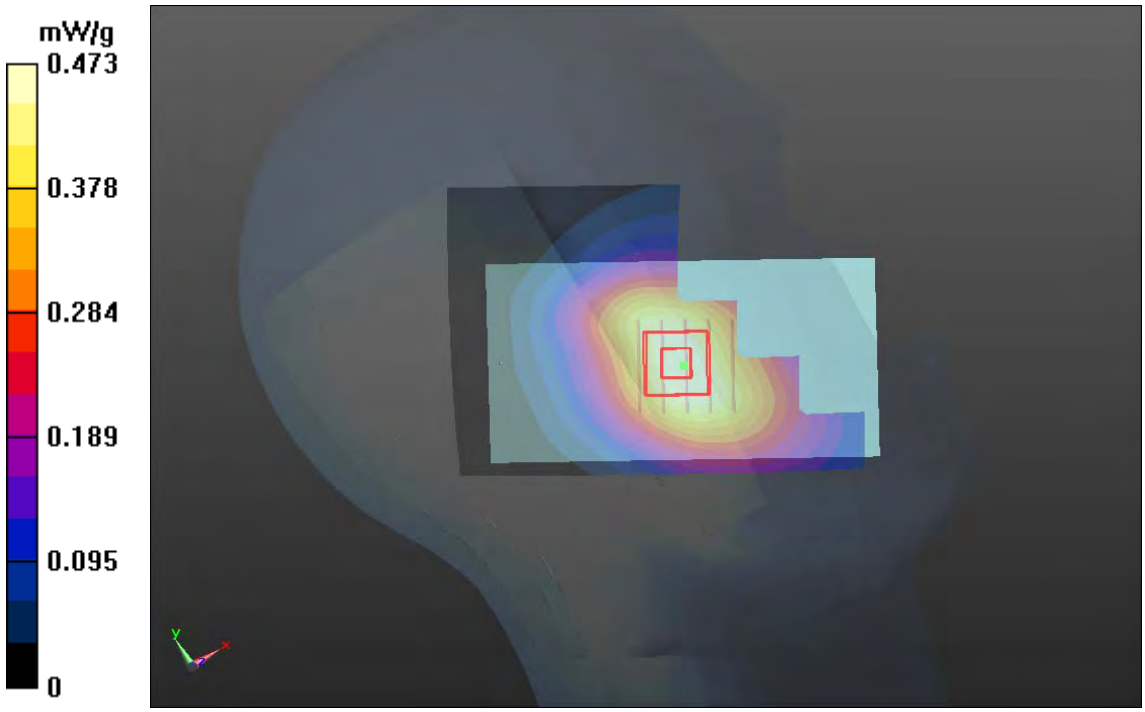
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H850_1219 Medium parameters used: f = 826.4 MHz; σ = 0.871 mho/m; ε_r = 42.372; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.473 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.333 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (measured) = 0.469 mW/g



P08 WCDMA V_RMC12.2K_Left Tilted_Ch4132

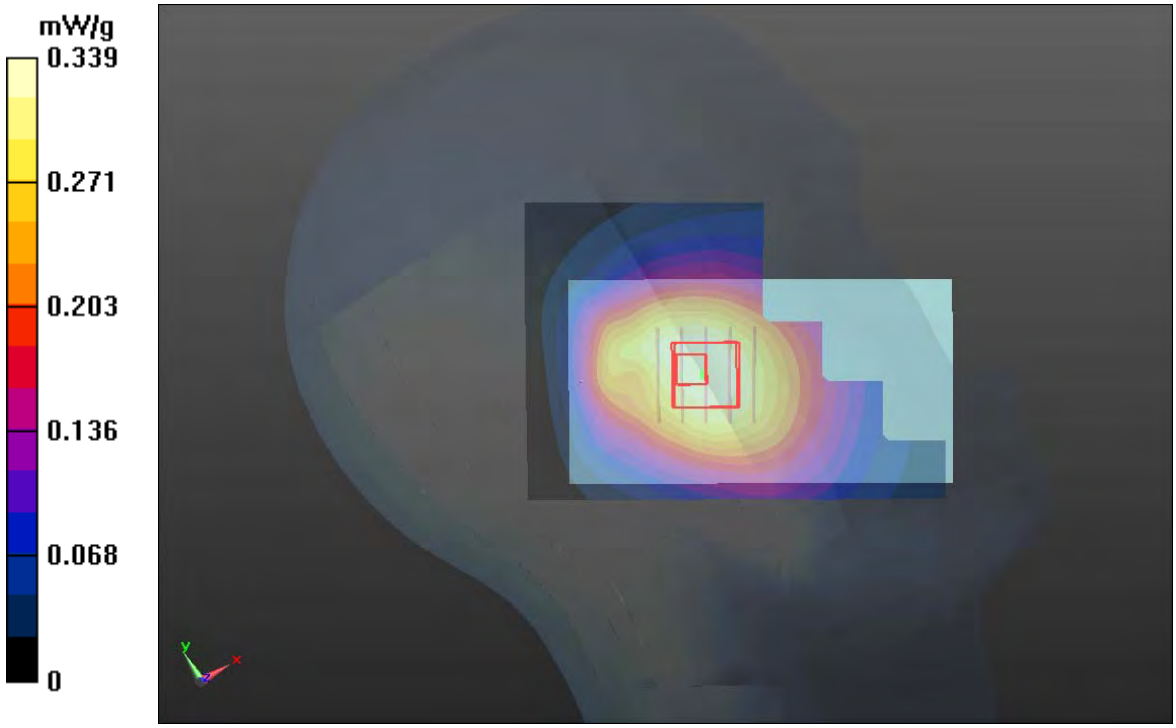
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H850_1219 Medium parameters used: f = 826.4 MHz; σ = 0.871 mho/m; ε_r = 42.372; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.339 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.315 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.373 W/kg
SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.233 mW/g
Maximum value of SAR (measured) = 0.337 mW/g



P131 WCDMA V_RMC12.2K_Right Cheek_Ch4132_Battery2

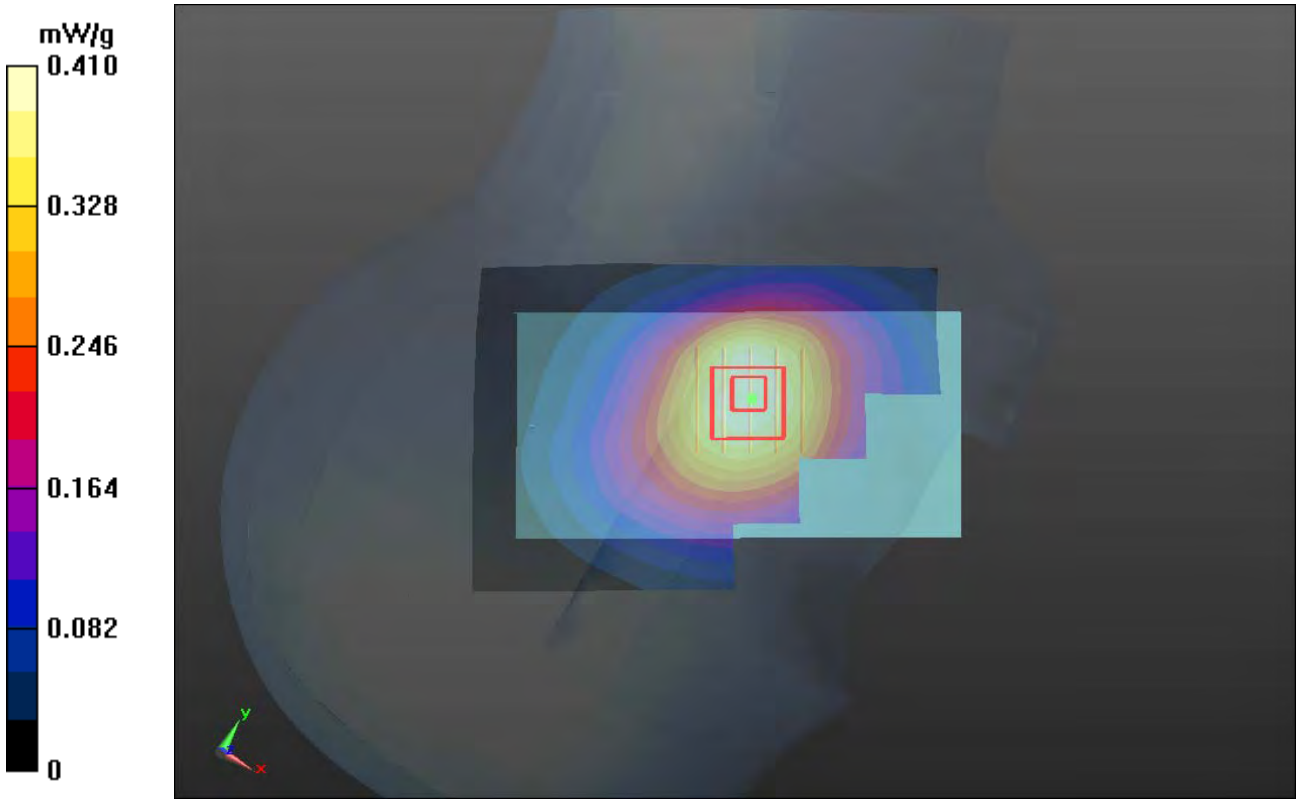
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H835_0113 Medium parameters used : f = 826.4 MHz; σ = 0.911 mho/m; ε_r = 43.202; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.410 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.934 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.4350
SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.282 mW/g
Maximum value of SAR (measured) = 0.405 mW/g



P13 WCDMA II_RMC12.2K_Right Cheek_Ch9400

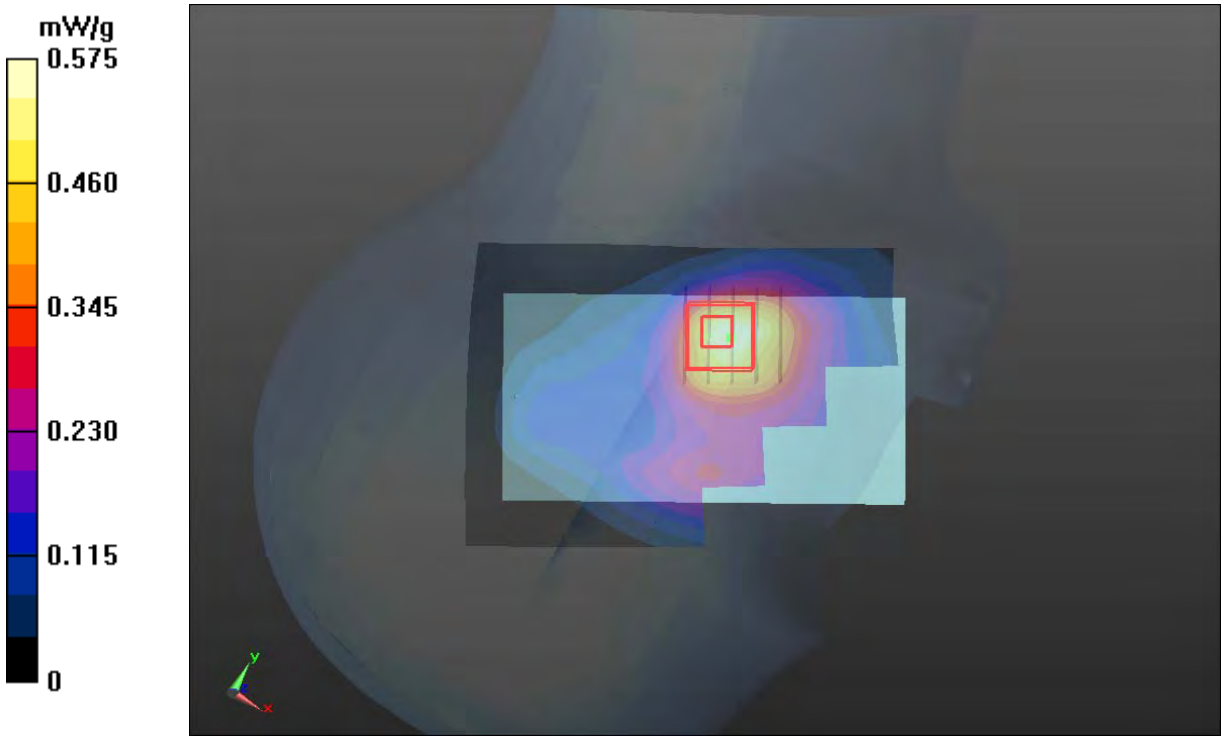
DUT: 111130C18

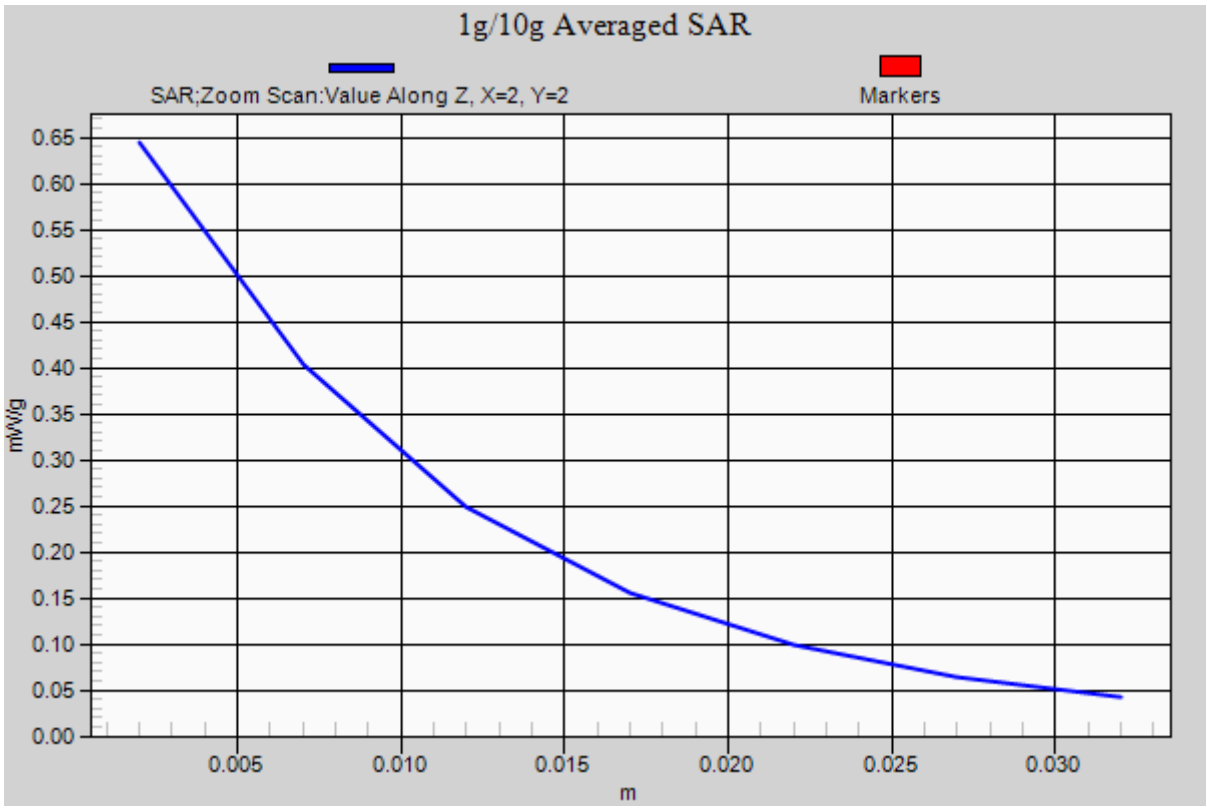
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_1220 Medium parameters used: f = 1880 MHz; σ = 1.419 mho/m; ε_r = 40.038; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.575 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.040 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.793 W/kg
SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.644 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
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
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

P14 WCDMA II_RMC12.2K_Right Tilted_Ch9400

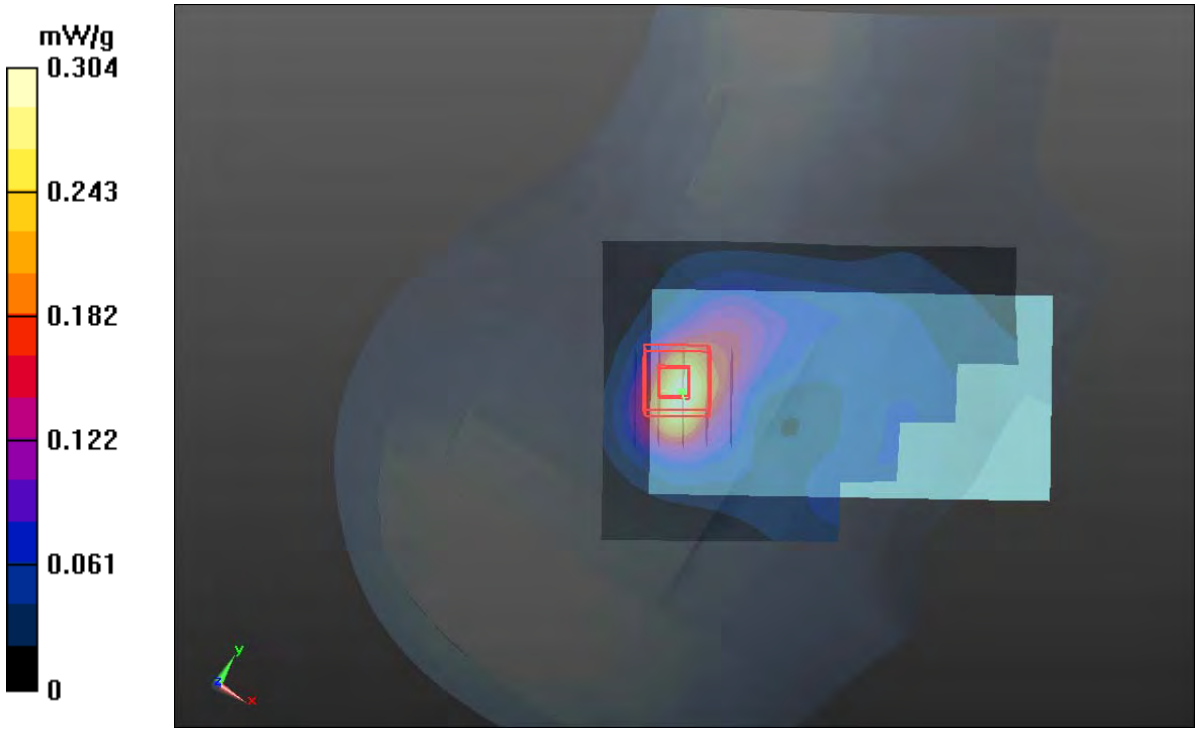
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_1220 Medium parameters used: f = 1880 MHz; σ = 1.419 mho/m; ε_r = 40.038; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.304 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.289 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.277 mW/g



P15 WCDMA II_RMC12.2K_Left Cheek_Ch9400

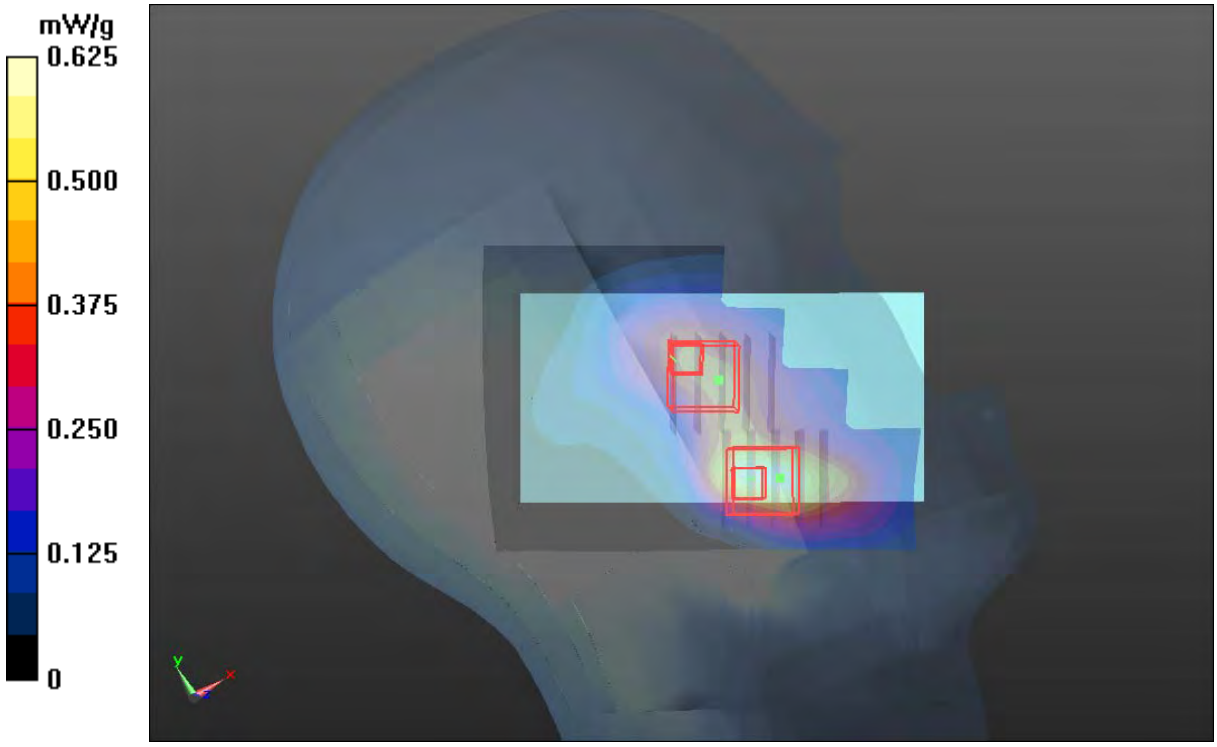
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_1220 Medium parameters used: f = 1880 MHz; σ = 1.419 mho/m; ε_r = 40.038; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.625 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.319 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.577 mW/g



P16 WCDMA II_RMC12.2K_Left Tilted_Ch9400

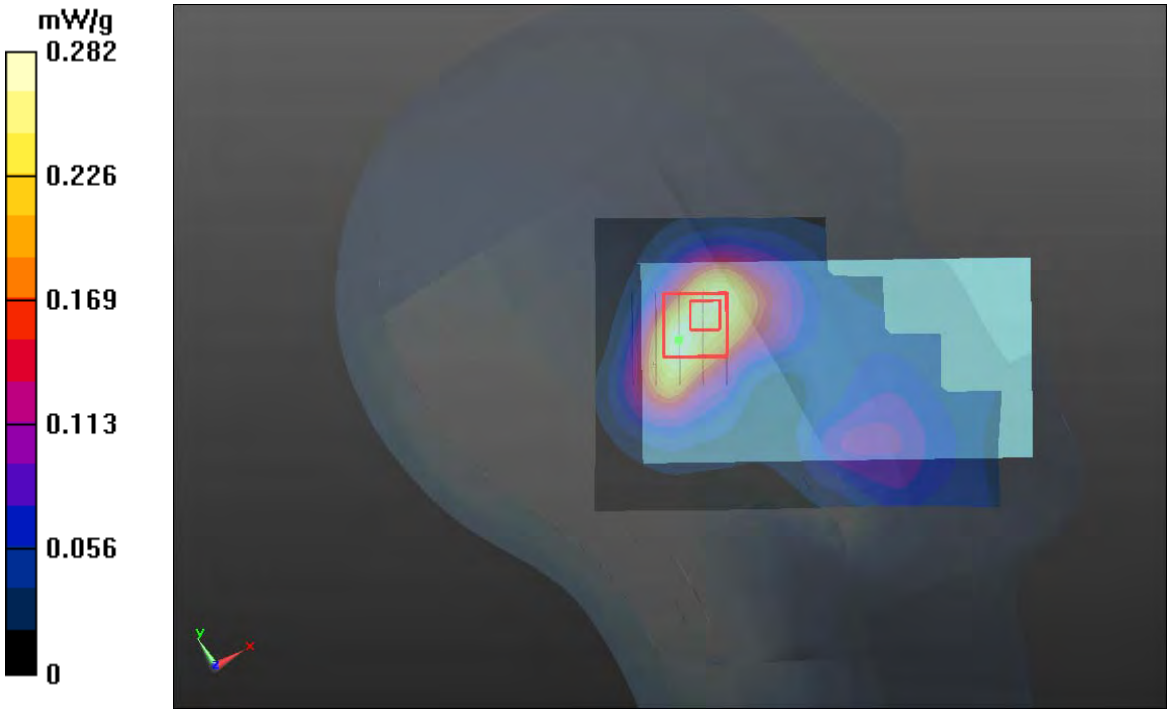
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_1220 Medium parameters used: f = 1880 MHz; σ = 1.419 mho/m; ε_r = 40.038; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.282 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.512 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.306 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.253 mW/g



P137 WCDMA II_RMC12.2K_Right Cheek_Ch9400_Battery2

DUT: 111130C18

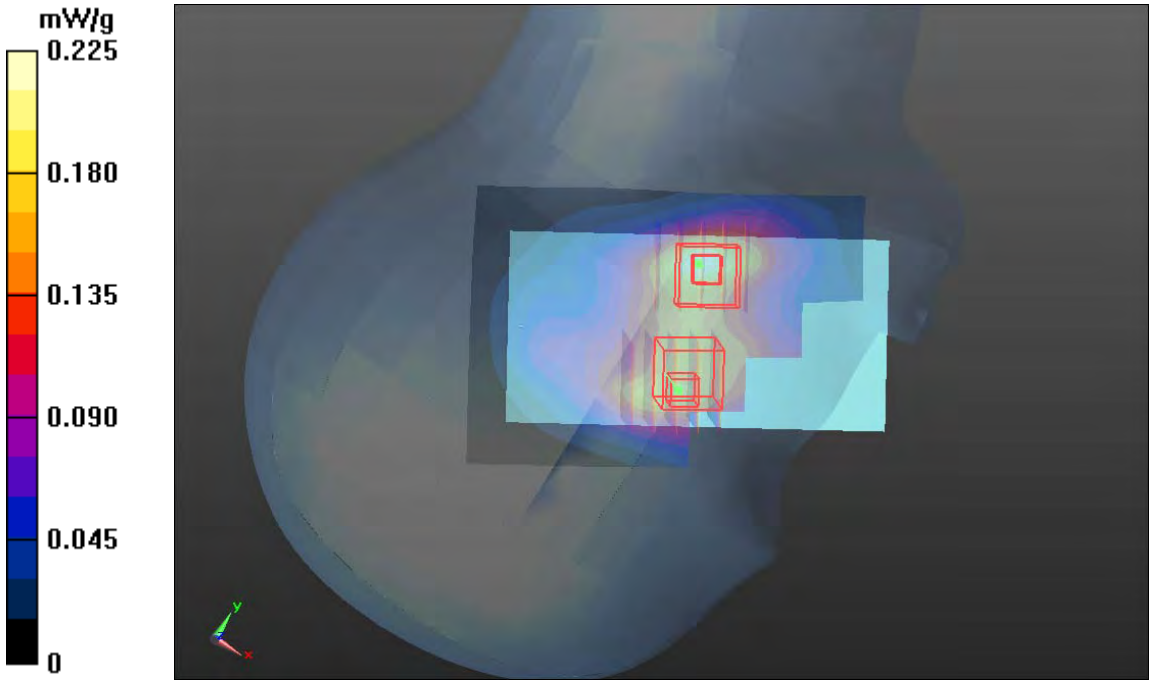
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0113 Medium parameters used: f = 1880 MHz; σ = 1.369 mho/m; ε_r = 40.234; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.225 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.698 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.2380
SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.200 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.698 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.2290
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.185 mW/g



P45 802.11b_Right Cheek_Ch6

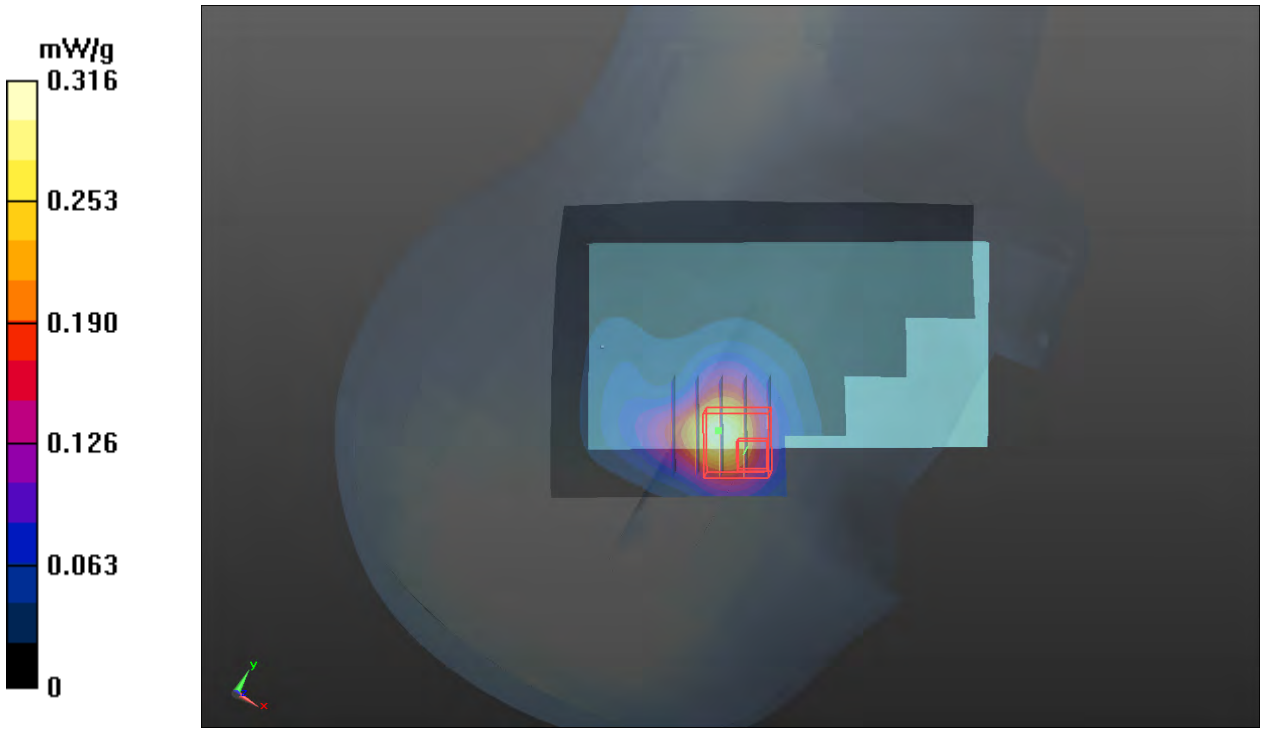
DUT: 111130C18

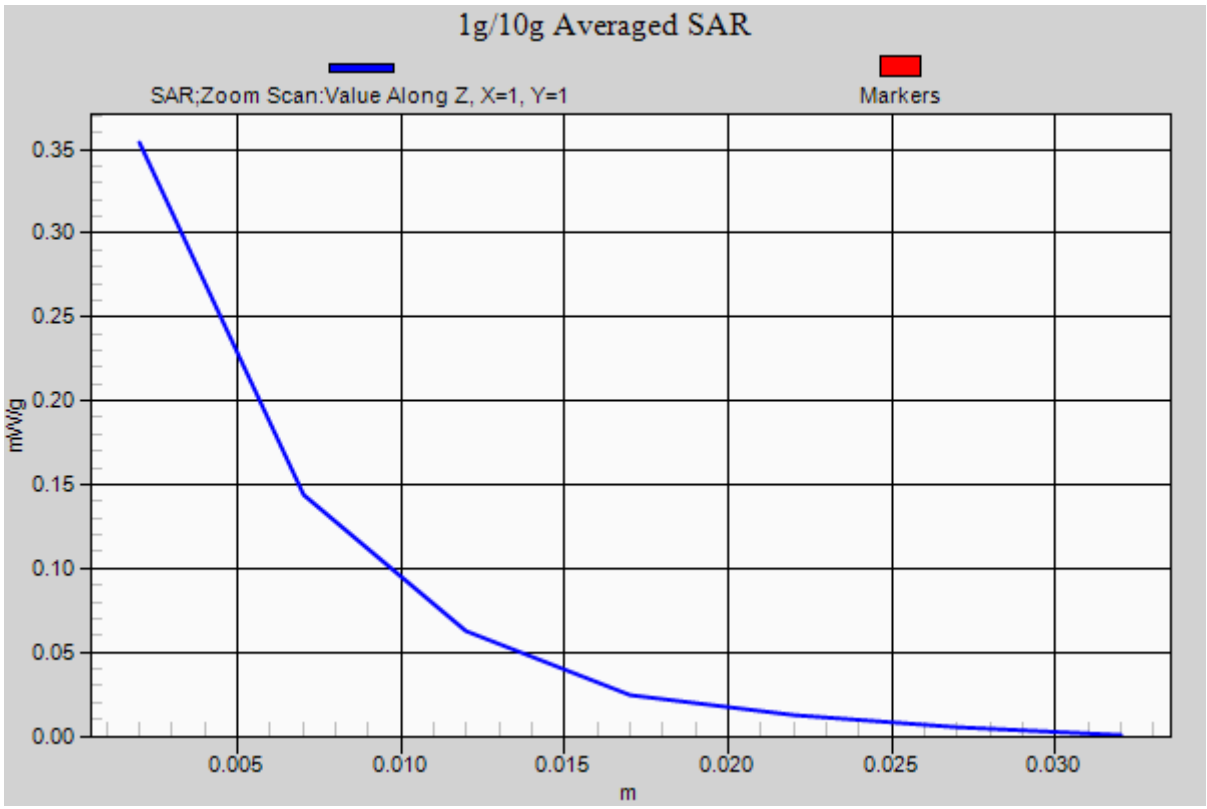
Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: H2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.175; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.316 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.006 V/m; Power Drift = 0.167 dB
Peak SAR (extrapolated) = 0.554 W/kg
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.354 mW/g




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

P46 802.11b_Right Tilted_Ch6

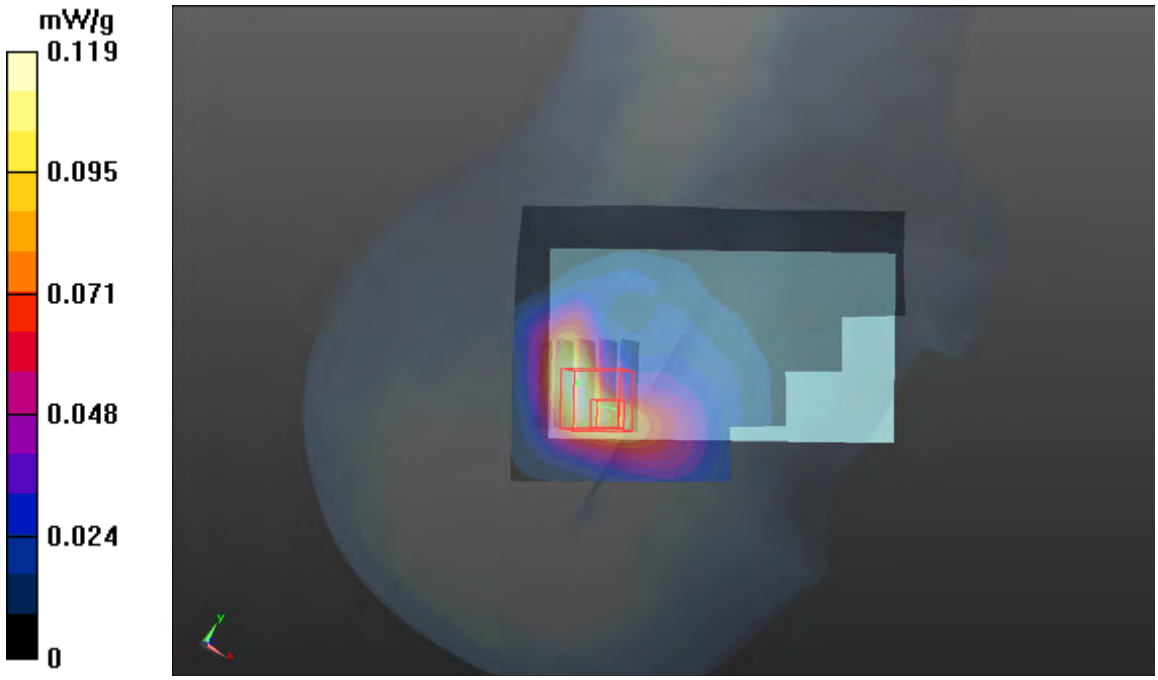
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: H2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.175; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.119 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.281 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.156 W/kg
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.117 mW/g



P43 802.11b_Left Cheek_Ch6

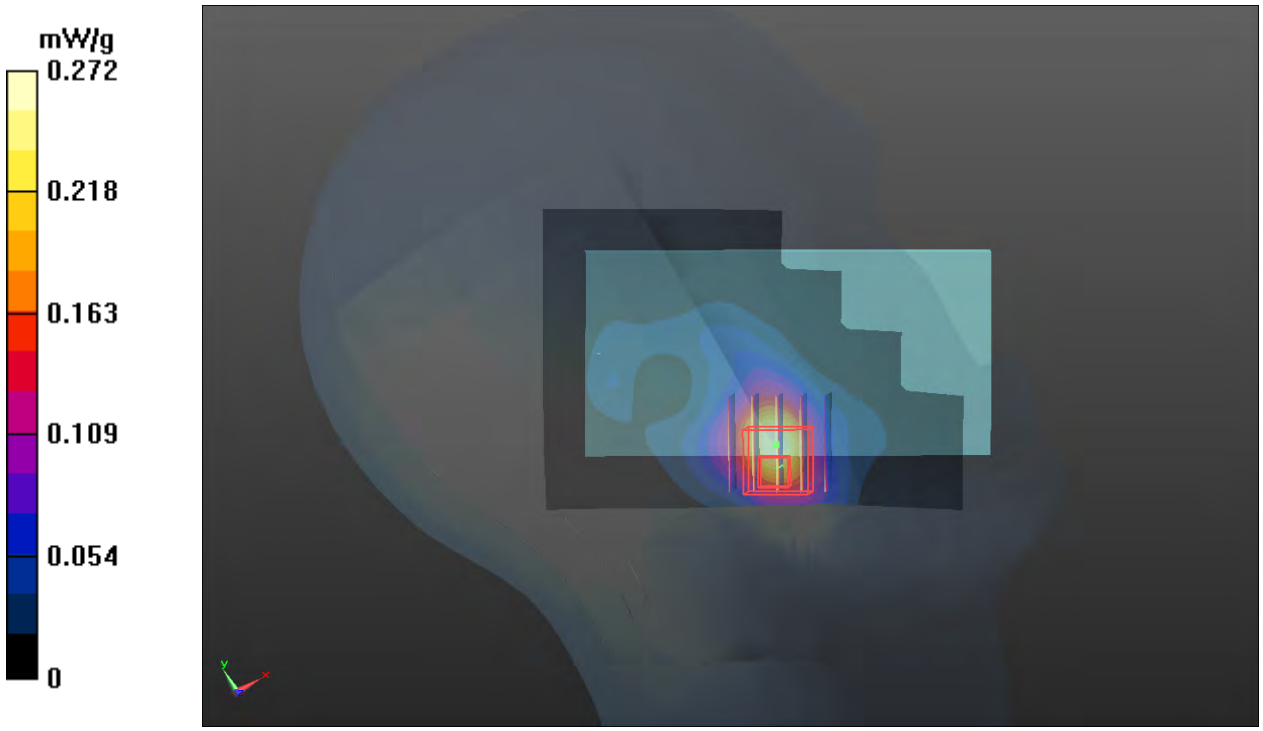
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: H2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.175; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.241 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.444 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.272 mW/g



P47 802.11b_Left Tilted_Ch6

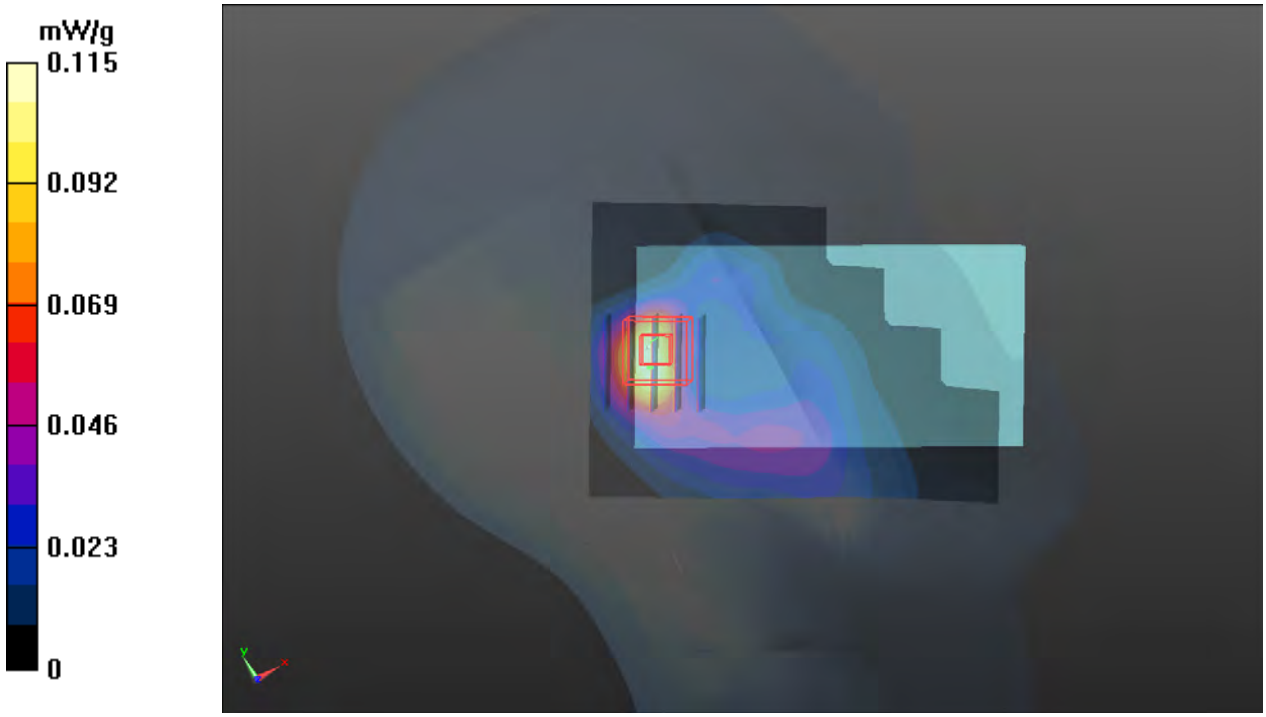
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: H2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.8 mho/m; ε_r = 38.175; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.115 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.363 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.125 mW/g



P122 802.11b_Right Cheek_Ch6_Battery2

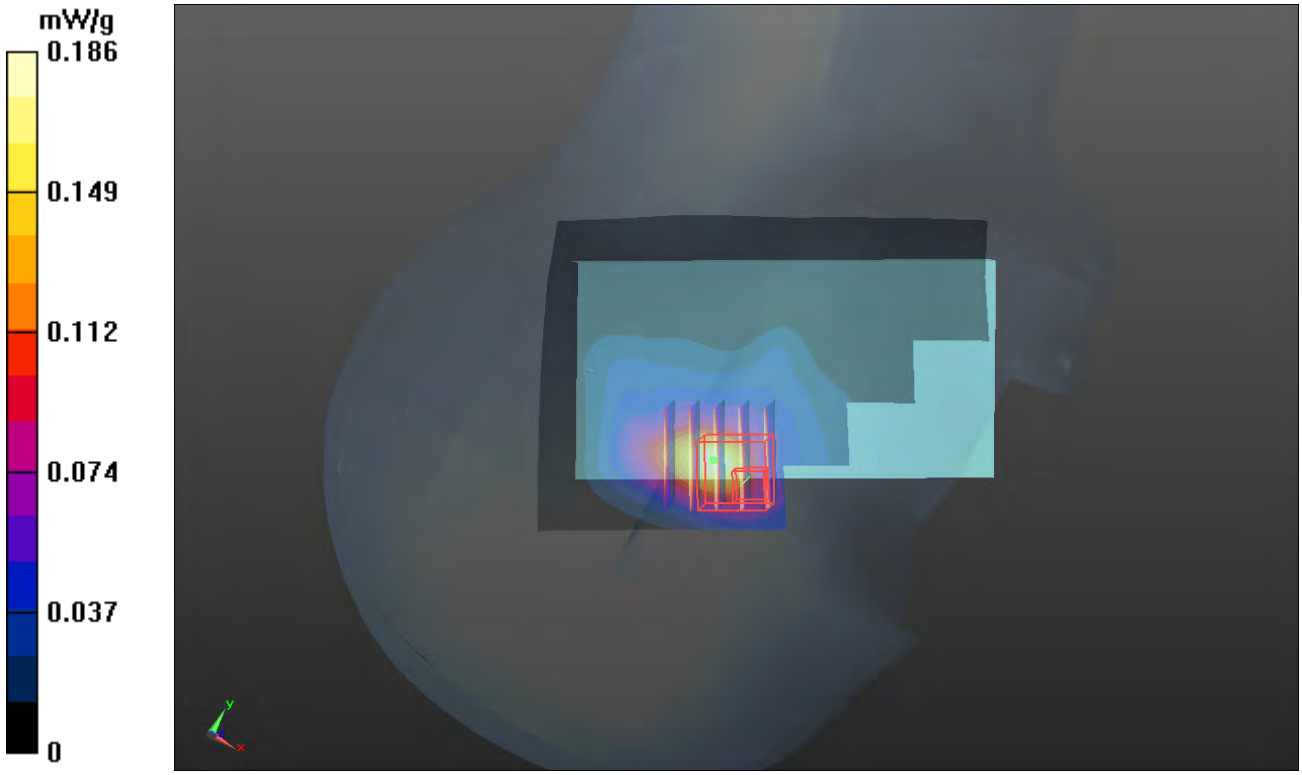
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: H2450_0116 Medium parameters used: f = 2437 MHz; σ = 1.796 mho/m; ε_r = 37.481; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.186 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.419 V/m; Power Drift = -0.0025 dB
Peak SAR (extrapolated) = 0.2710
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.057 mW/g
Maximum value of SAR (measured) = 0.190 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/02

P83 802.11a_Right Tilted_Ch36

DUT: 111130C18

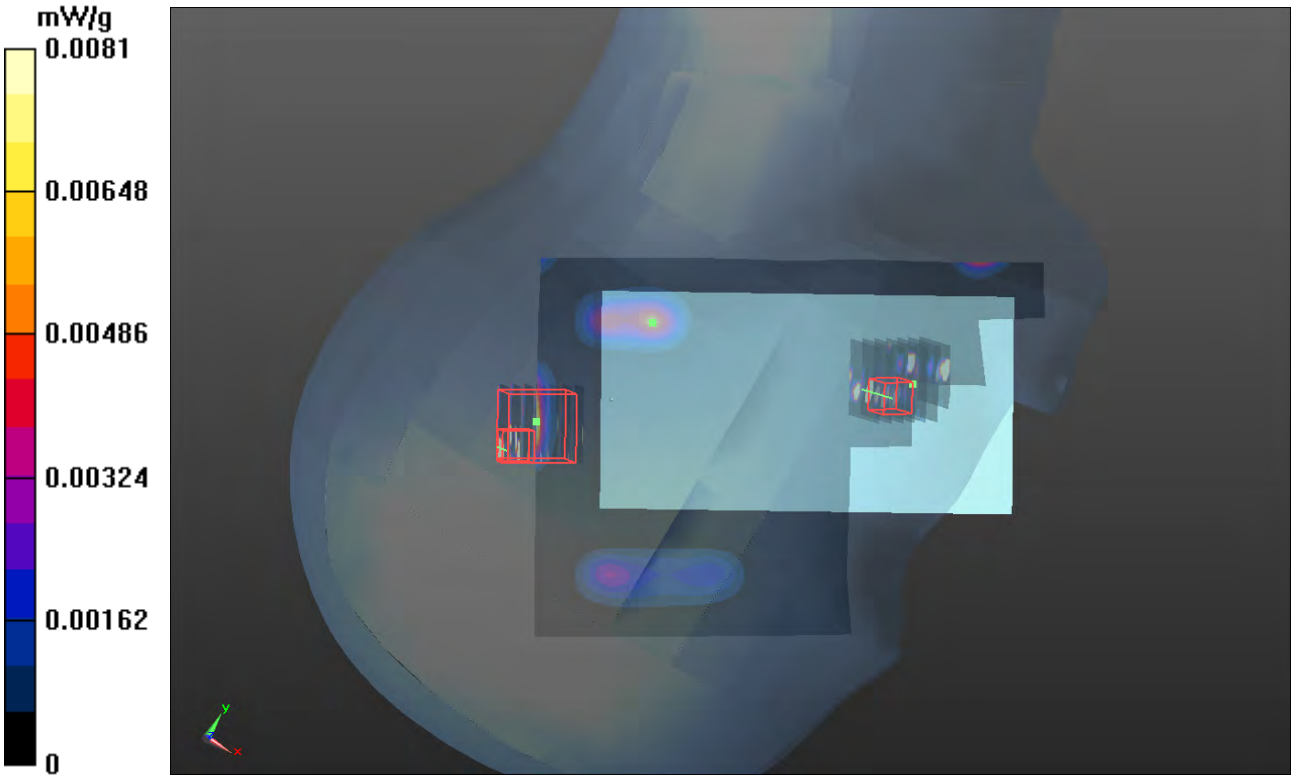
Communication System: WLAN_5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: H5G_0102 Medium parameters used: f = 5180 MHz; σ = 4.741 mho/m; ε_r = 35.571; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.51, 5.51, 5.51); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.017 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.675 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0330
SAR(1 g) = 0.00127 mW/g; SAR(10 g) = 0.000205 mW/g
Maximum value of SAR (measured) = 0.00772 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.675 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0150
SAR(1 g) = 9.8e-005 mW/g; SAR(10 g) = n.a.
Maximum value of SAR (measured) = 0.0081 mW/g



P85 802.11a_Left Tilted_Ch36

DUT: 111130C18

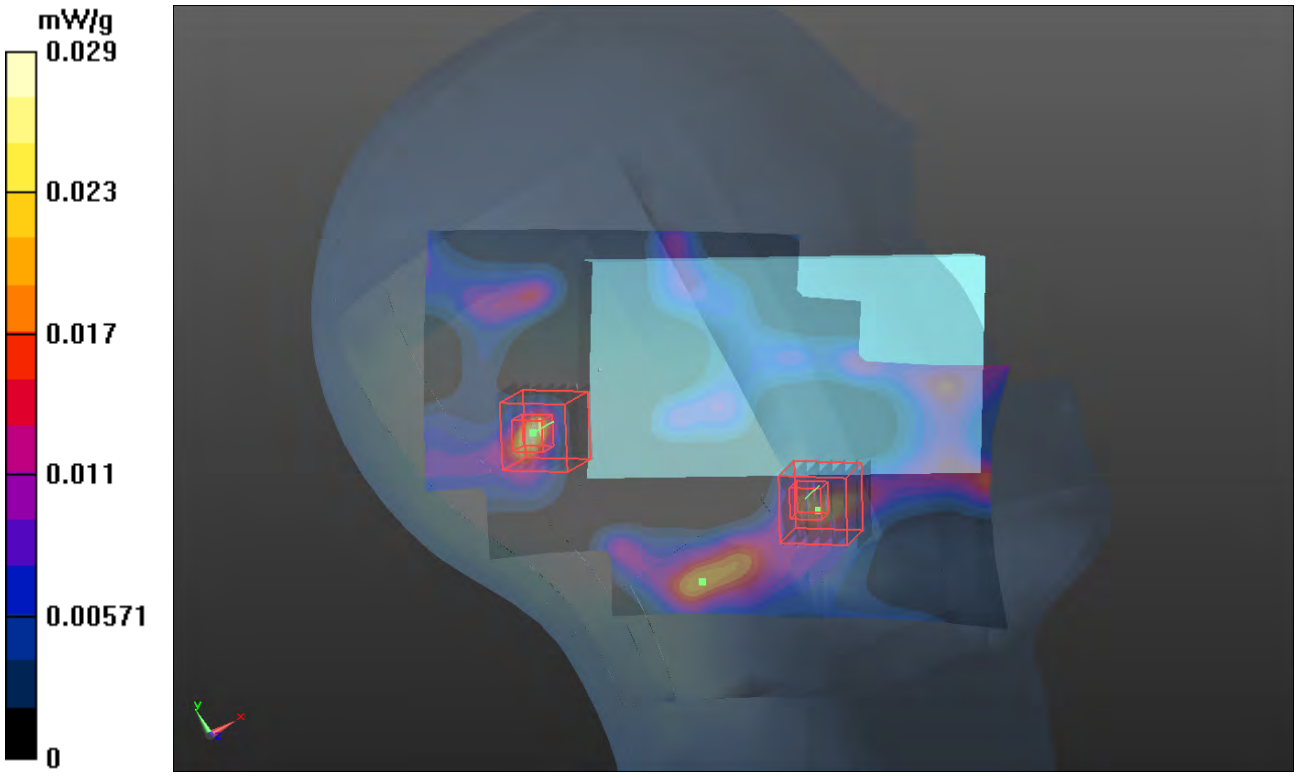
Communication System: WLAN_5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: H5G_0102 Medium parameters used: f = 5180 MHz; σ = 4.741 mho/m; ε_r = 35.571; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.51, 5.51, 5.51); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.029 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.830 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.0610
SAR(1 g) = 0.00645 mW/g; SAR(10 g) = 0.00249 mW/g
Maximum value of SAR (measured) = 0.016 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.830 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.0430
SAR(1 g) = 0.00508 mW/g; SAR(10 g) = 0.00144 mW/g
Maximum value of SAR (measured) = 0.013 mW/g



P86 802.11a_Left Tilted_Ch36_Battery2

DUT: 111130C18

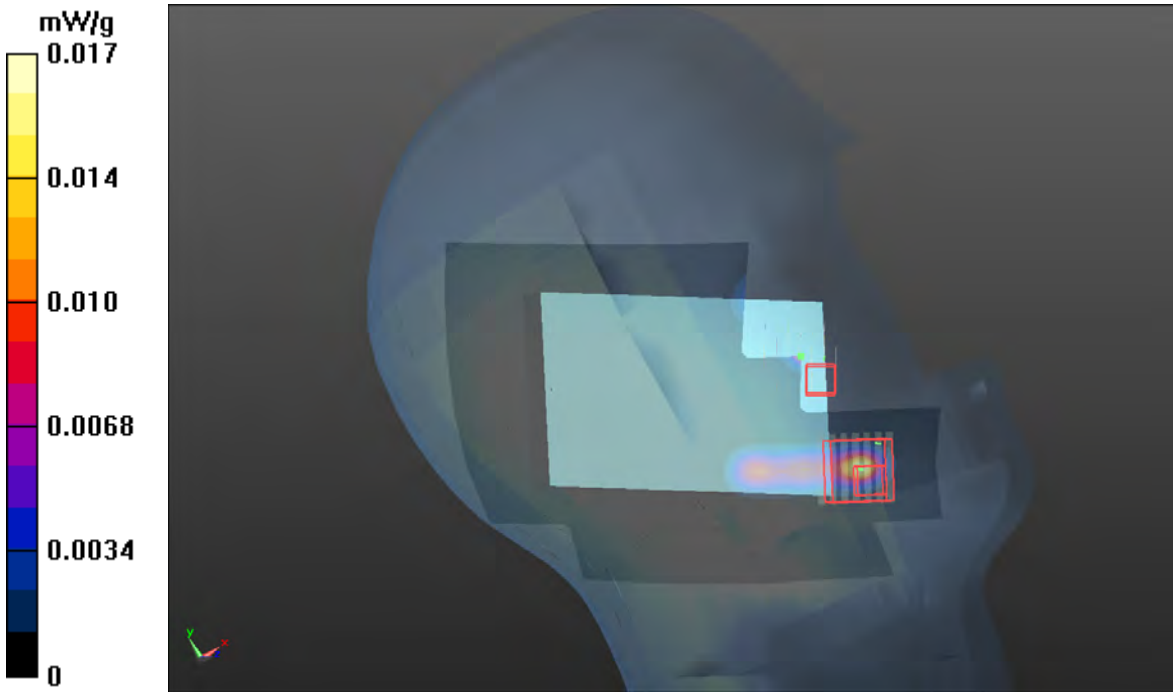
Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0116 Medium parameters used: f = 5320 MHz; σ = 4.774 mho/m; ε_r = 34.767; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.71, 4.71, 4.71); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.017 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.922 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.3060
SAR(1 g) = 0.00392 mW/g; SAR(10 g) = n.a.
Maximum value of SAR (measured) = 0.234 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.922 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.0640
SAR(1 g) = 0.00334 mW/g; SAR(10 g) = 0.00108 mW/g
Maximum value of SAR (measured) = 0.012 mW/g



P87 802.11a_Right Cheek_Ch64

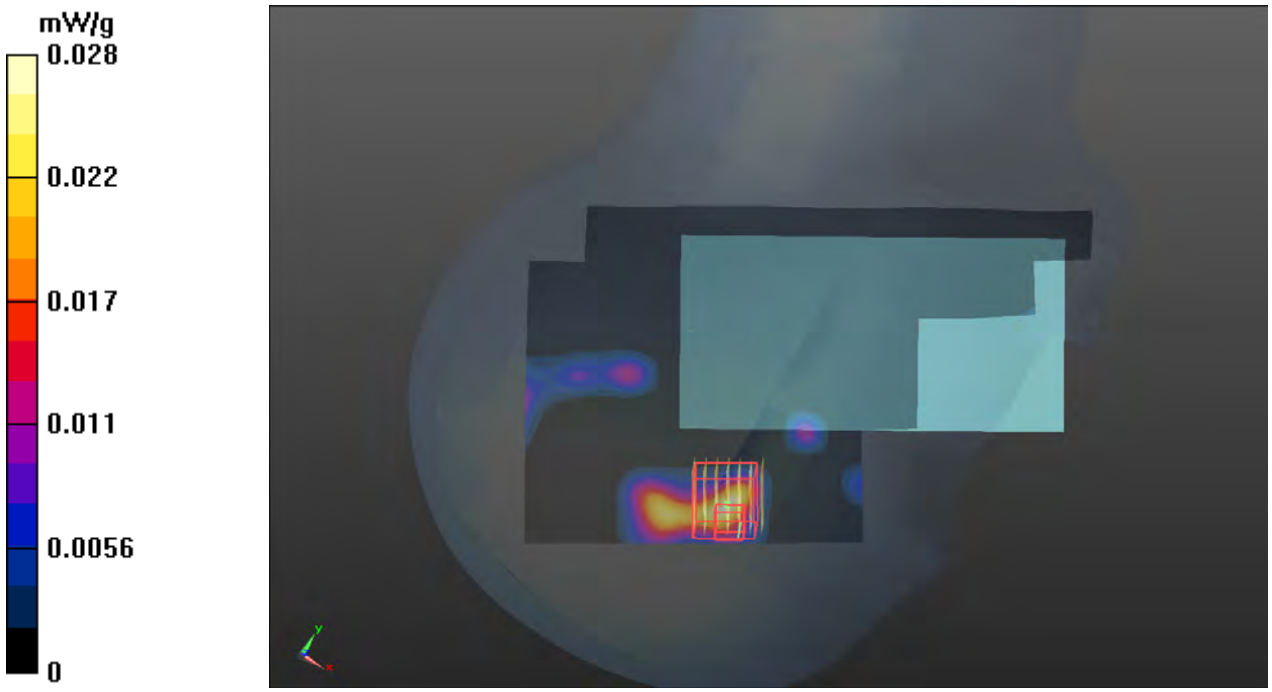
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0102 Medium parameters used: f = 5320 MHz; σ = 4.821 mho/m; ε_r = 35.354; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.17, 5.17, 5.17); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.028 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.741 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0520
SAR(1 g) = 0.00352 mW/g; SAR(10 g) = 0.000896 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



P88 802.11a_Right Tilted_Ch64

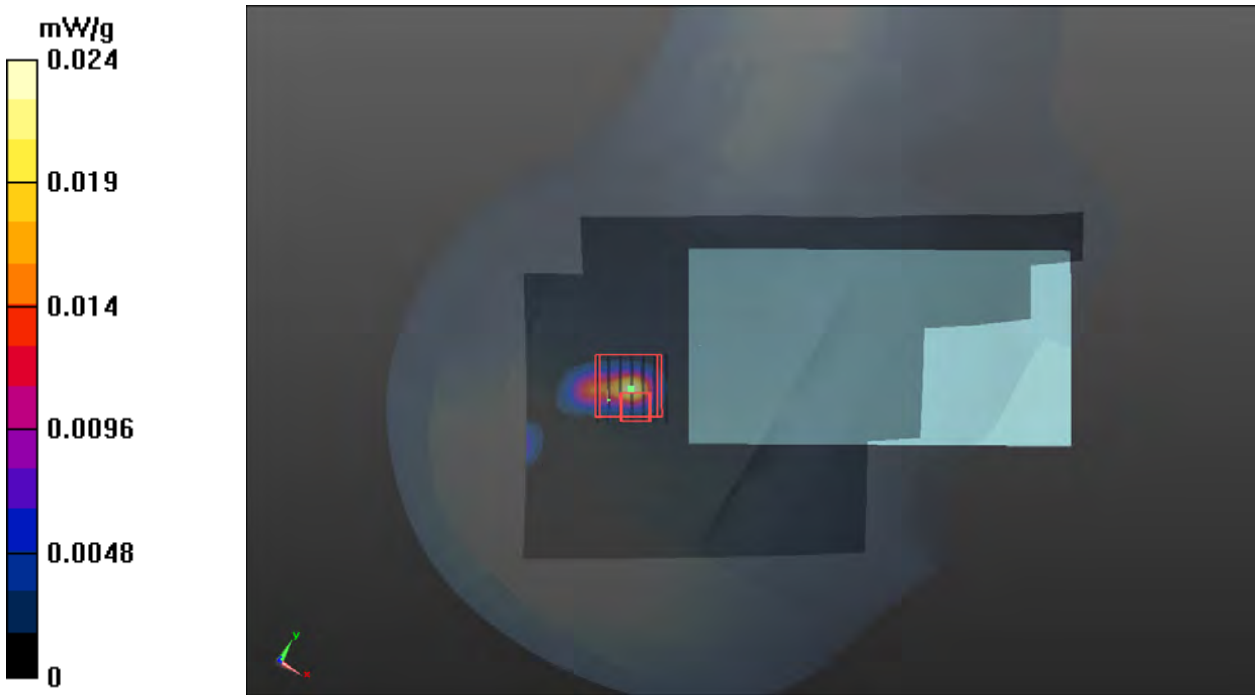
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0102 Medium parameters used: f = 5320 MHz; σ = 4.821 mho/m; ε_r = 35.354; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.17, 5.17, 5.17); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.024 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.827 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0420
SAR(1 g) = 0.00277 mW/g; SAR(10 g) = 0.000529 mW/g
Maximum value of SAR (measured) = 0.012 mW/g



P90 802.11a_Left Tilted_Ch64

DUT: 111130C18

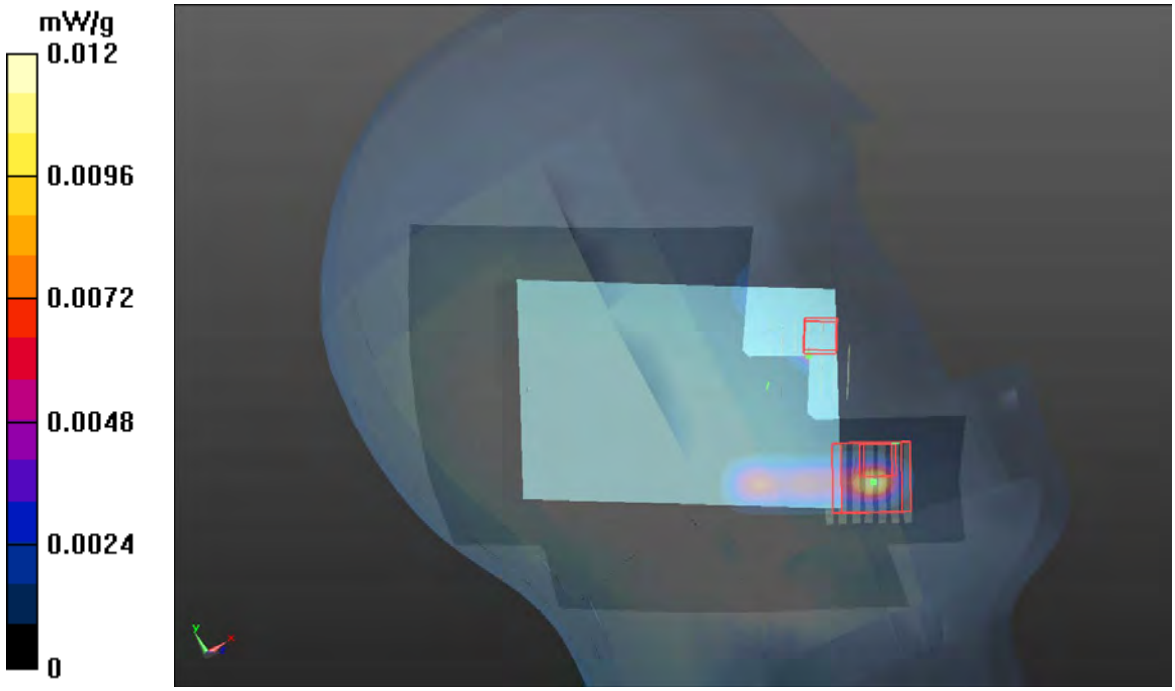
Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0102 Medium parameters used: f = 5320 MHz; σ = 4.821 mho/m; ε_r = 35.354; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.17, 5.17, 5.17); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.012 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.867 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.1950
SAR(1 g) = 0.00254 mW/g; SAR(10 g) = n.a.
Maximum value of SAR (measured) = 0.195 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.867 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.0430
SAR(1 g) = 0.00226 mW/g; SAR(10 g) = 0.000725 mW/g
Maximum value of SAR (measured) = 0.00854 mW/g



P91 802.11a_Right Cheek_Ch64_Battery2

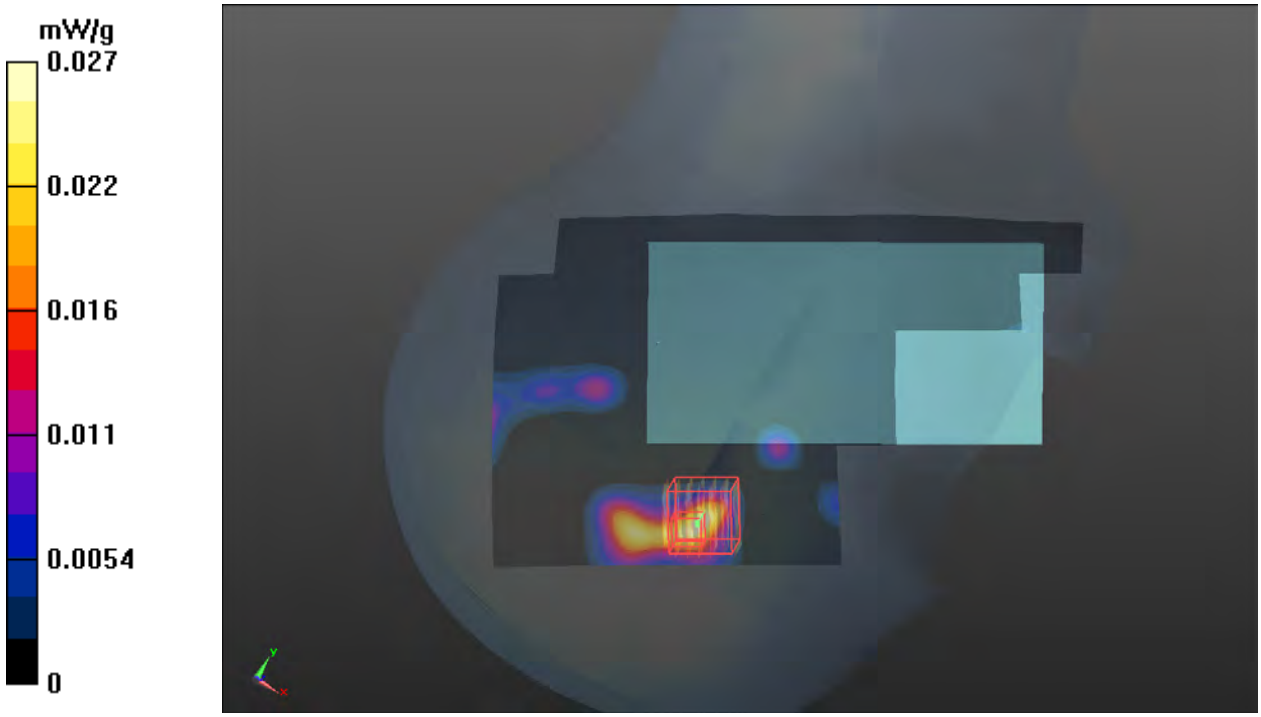
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0116 Medium parameters used: f = 5320 MHz; σ = 4.774 mho/m; ε_r = 34.767; ρ = 1000 kg/m^3
Ambient Temperature：21.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.71, 4.71, 4.71); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.027 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.941 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 0.0510
SAR(1 g) = 0.00347 mW/g; SAR(10 g) = 0.000886 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



P92 802.11a_Right Cheek_Ch140

DUT: 111130C18

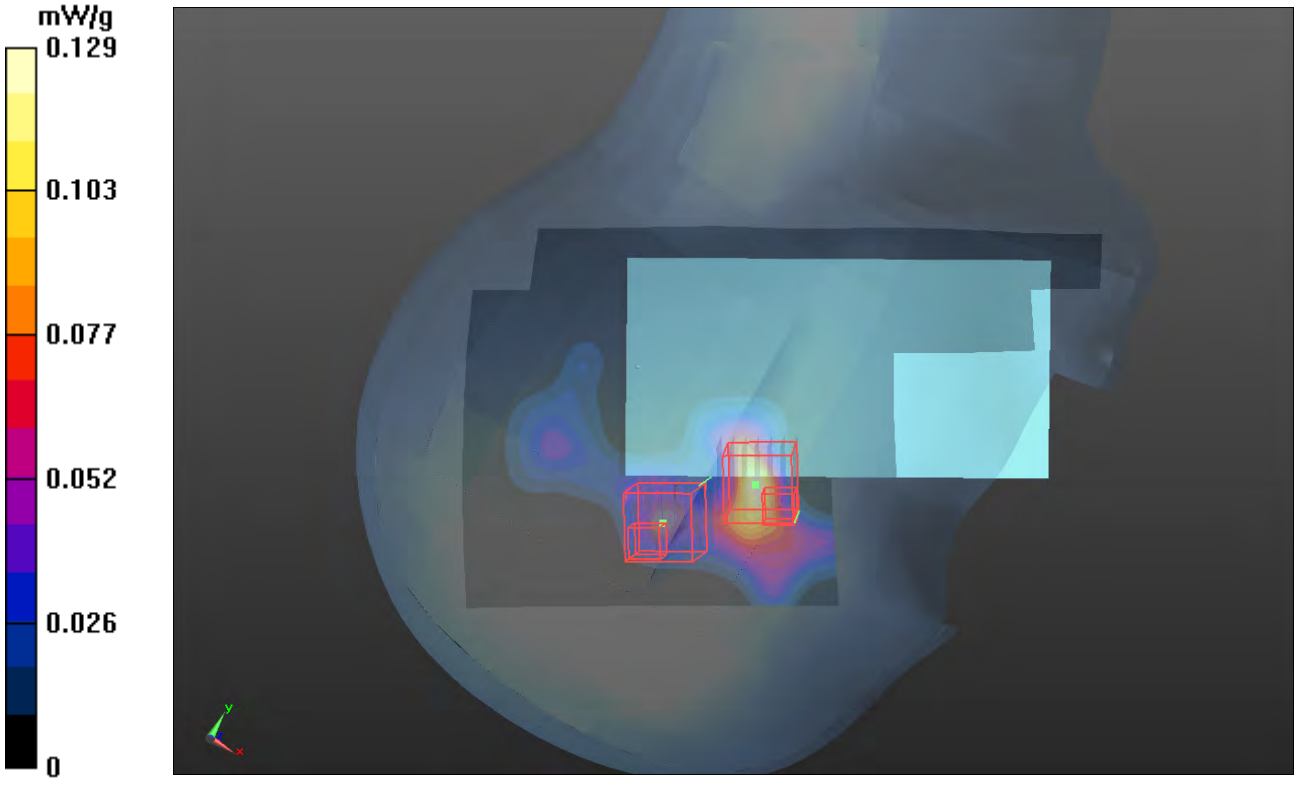
Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: H5G_0102 Medium parameters used: f = 5700 MHz; σ = 5.053 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.52, 4.52, 4.52); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.132 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.733 V/m; Power Drift = -0.131 dB
Peak SAR (extrapolated) = 0.3060
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.129 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.733 V/m; Power Drift = -0.131 dB
Peak SAR (extrapolated) = 0.1680
SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.071 mW/g



P93 802.11a_Right Tilted_Ch140

DUT: 111130C18

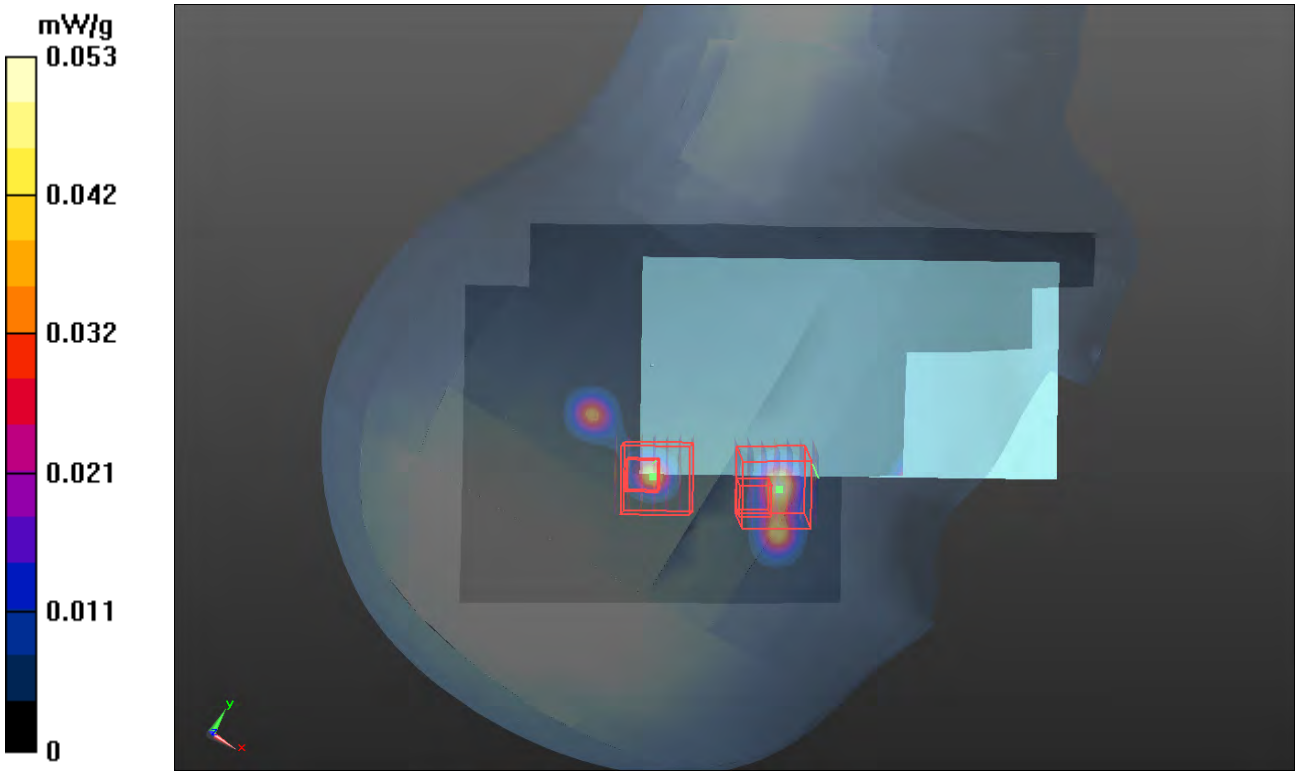
Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: H5G_0102 Medium parameters used: f = 5700 MHz; σ = 5.053 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.52, 4.52, 4.52); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.043 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.625 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 0.2050
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00459 mW/g
Maximum value of SAR (measured) = 0.053 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.625 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 0.1530
SAR(1 g) = 0.00392 mW/g; SAR(10 g) = 0.000506 mW/g
Maximum value of SAR (measured) = 0.153 mW/g



P94 802.11a_Left Cheek_Ch140

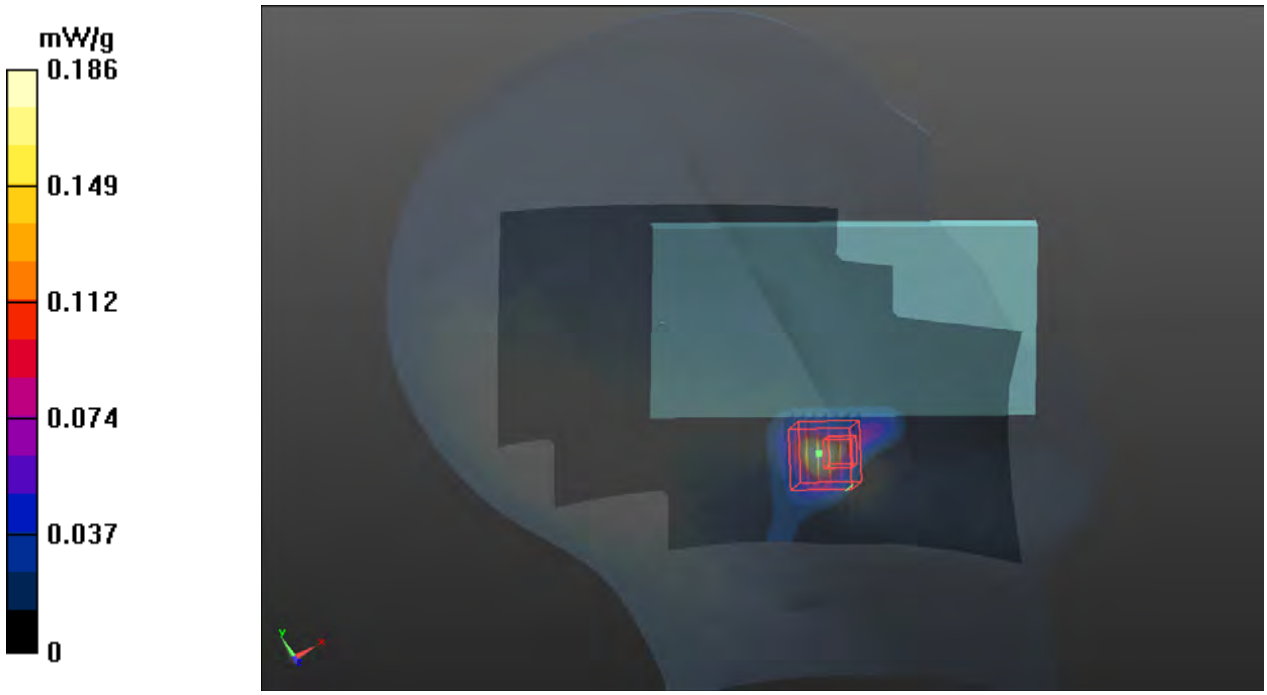
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: H5G_0102 Medium parameters used: f = 5700 MHz; σ = 5.053 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.52, 4.52, 4.52); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.344 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.915 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 0.2980
SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.186 mW/g



P96 802.11a_Left Cheek_Ch140_Battery2

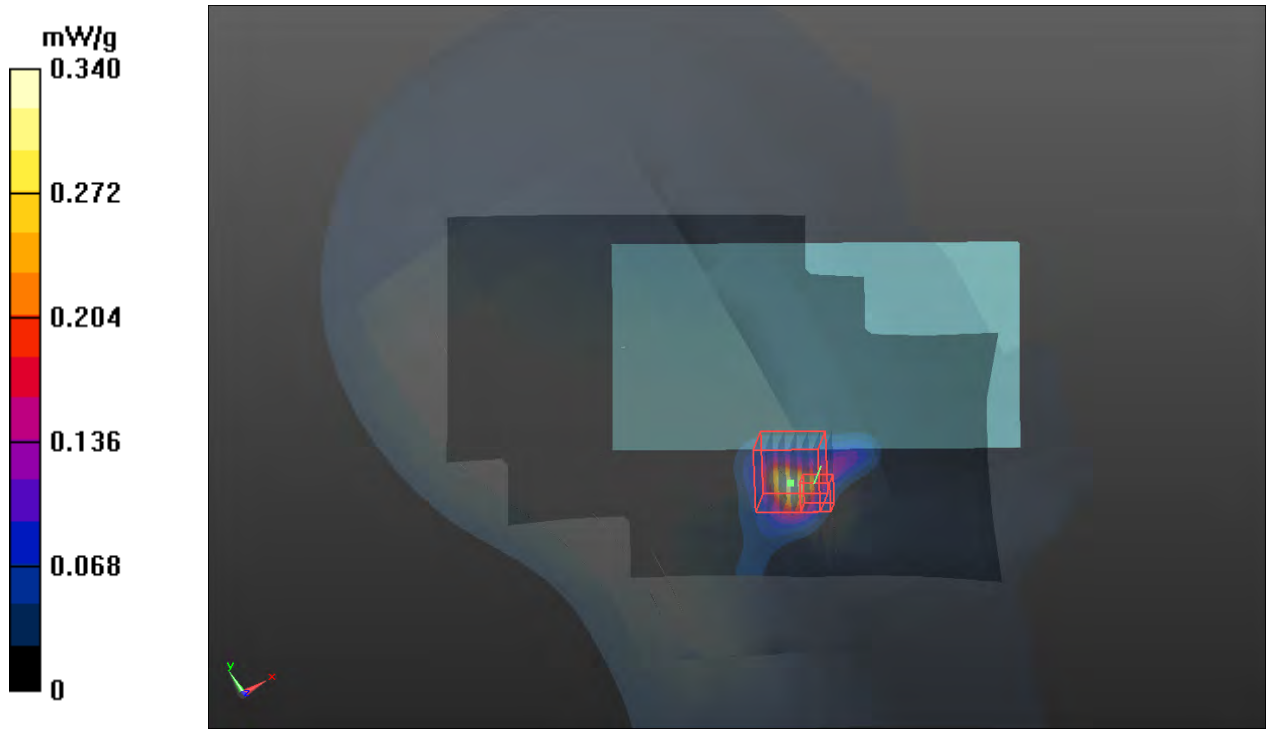
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: H5G_0116 Medium parameters used: f = 5700 MHz; σ = 5.007 mho/m; ε_r = 34.319; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.42, 4.42, 4.42); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (61x101x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.340 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.925 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.2930
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.183 mW/g



P77 802.11a_Right Cheek_Ch161

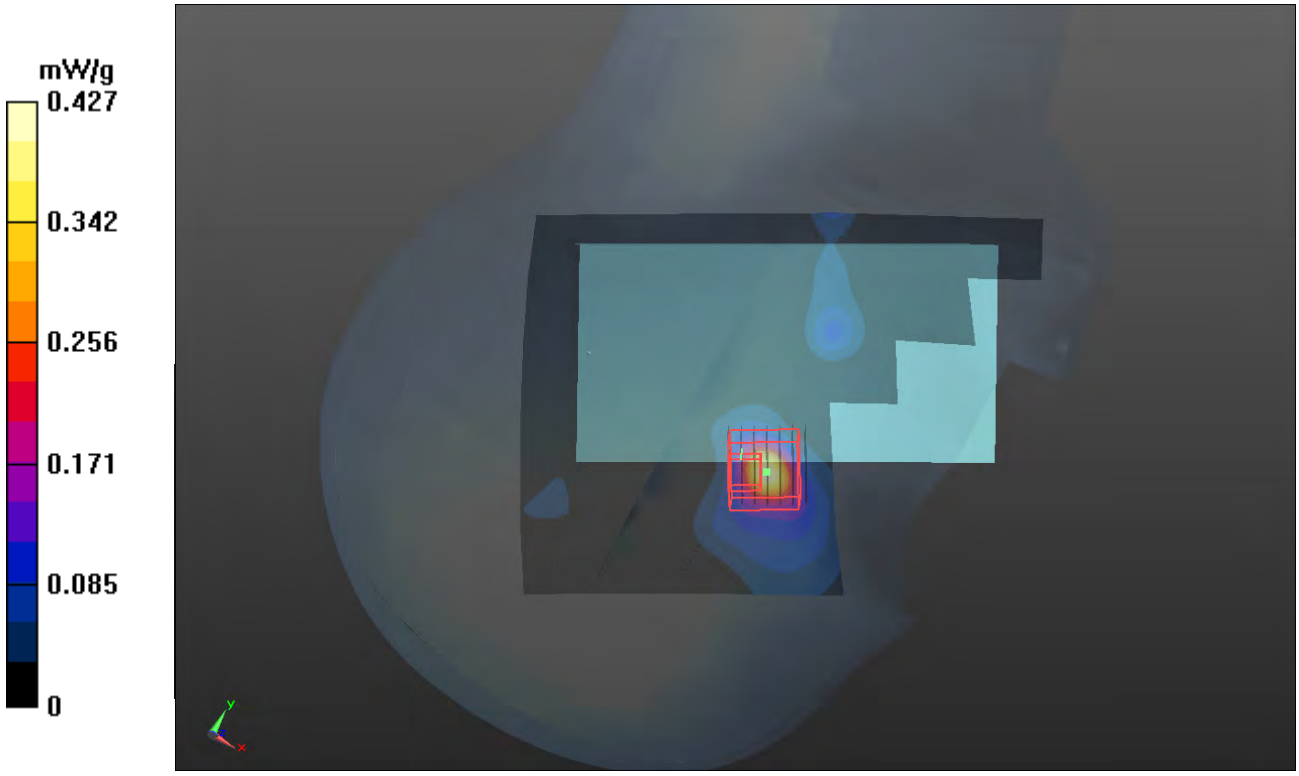
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: H5G_1229 Medium parameters used: f = 5805 MHz; σ = 5.154 mho/m; ε_r = 34.96; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.53, 4.53, 4.53); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.427 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.688 V/m; Power Drift = 0.01dB
Peak SAR (extrapolated) = 0.4990
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.0025 mW/g
Maximum value of SAR (measured) = 0.213 mW/g



P78 802.11a_Right Tilted_Ch161

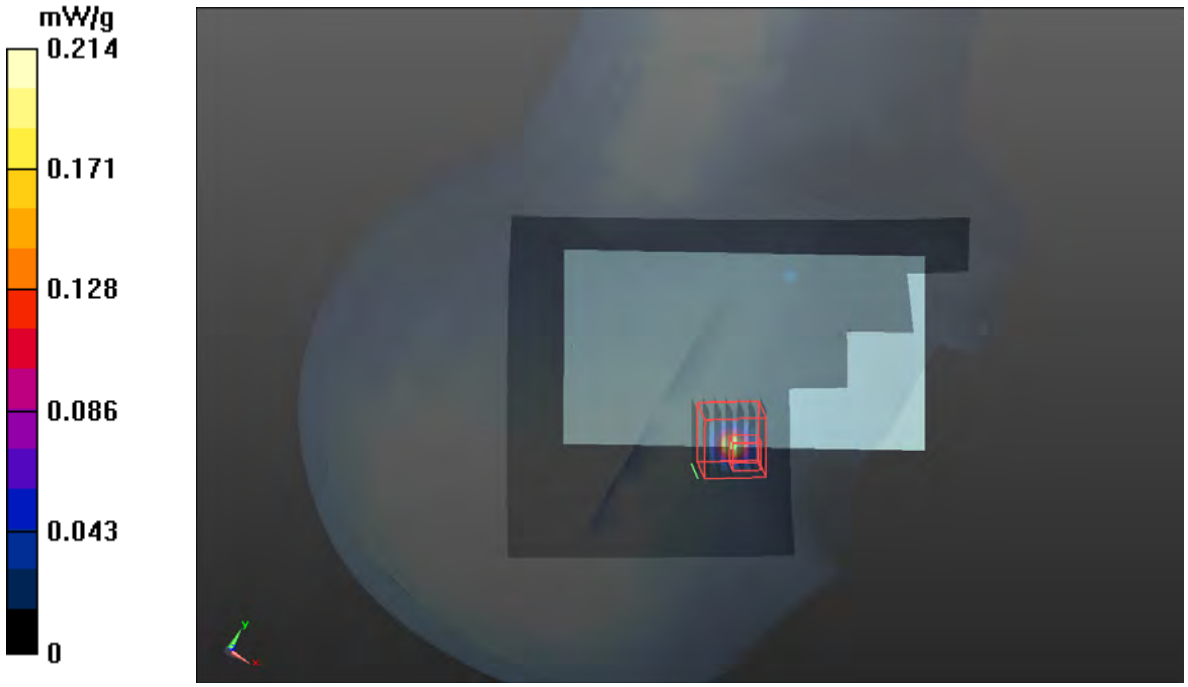
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: H5G_1229 Medium parameters used: f = 5805 MHz; σ = 5.154 mho/m; ε_r = 34.96; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.53, 4.53, 4.53); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.214 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.331 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0260
SAR(1 g) = 0.000972 mW/g; SAR(10 g) = 0.000118 mW/g
Maximum value of SAR (measured) = 0.114 mW/g



P79 802.11a_Left Cheek_Ch161

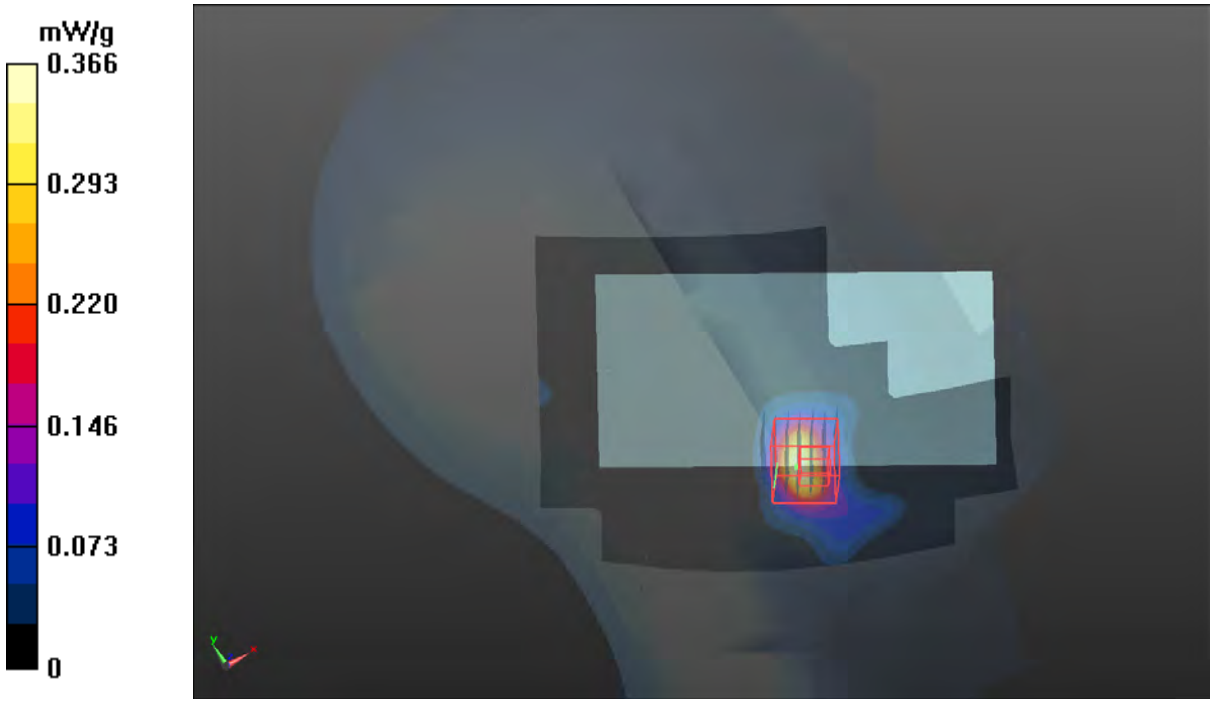
DUT: 111130C18

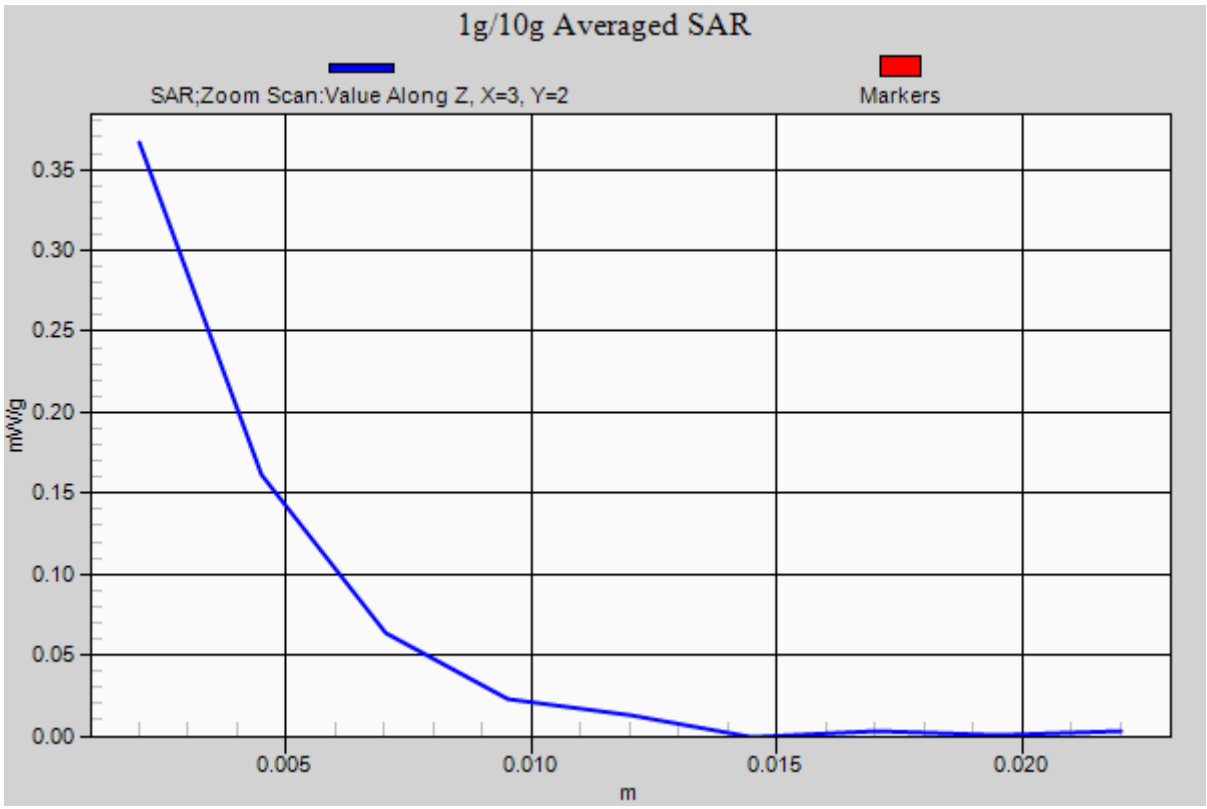
Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: H5G_1229 Medium parameters used: f = 5805 MHz; σ = 5.154 mho/m; ε_r = 34.96; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.53, 4.53, 4.53); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10m
Maximum value of SAR (interpolated) = 0.326 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.814 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.6510
SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.055 mW/g
Maximum value of SAR (measured) = 0.366 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=3, Y=2
Markers
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
mW/g
0.005
0.010
0.015
0.020
m

P80 802.11a_Left Tilted_Ch161

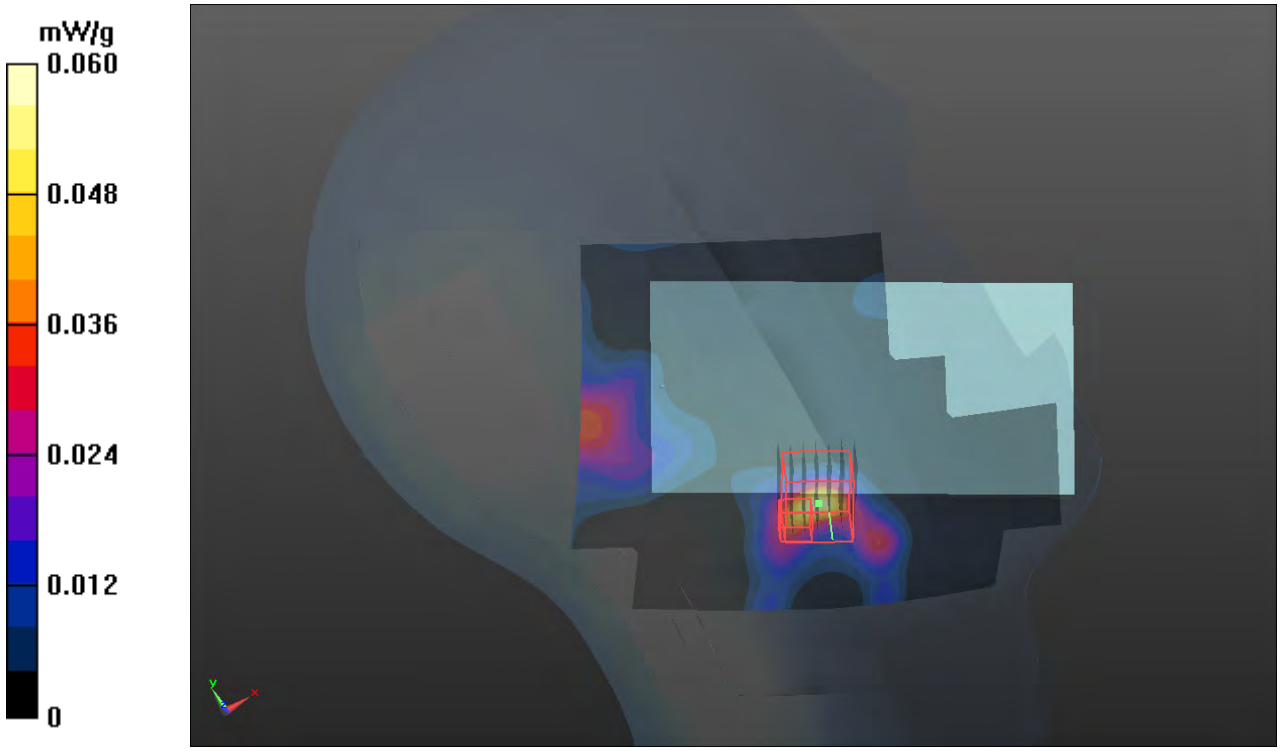
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: H5G_1229 Medium parameters used: f = 5805 MHz; σ = 5.154 mho/m; ε_r = 34.96; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.53, 4.53, 4.53); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.087 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.055 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.2140
SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.00567 mW/g
Maximum value of SAR (measured) = 0.060 mW/g



P81 802.11a_Left Cheek_Ch161_Battery

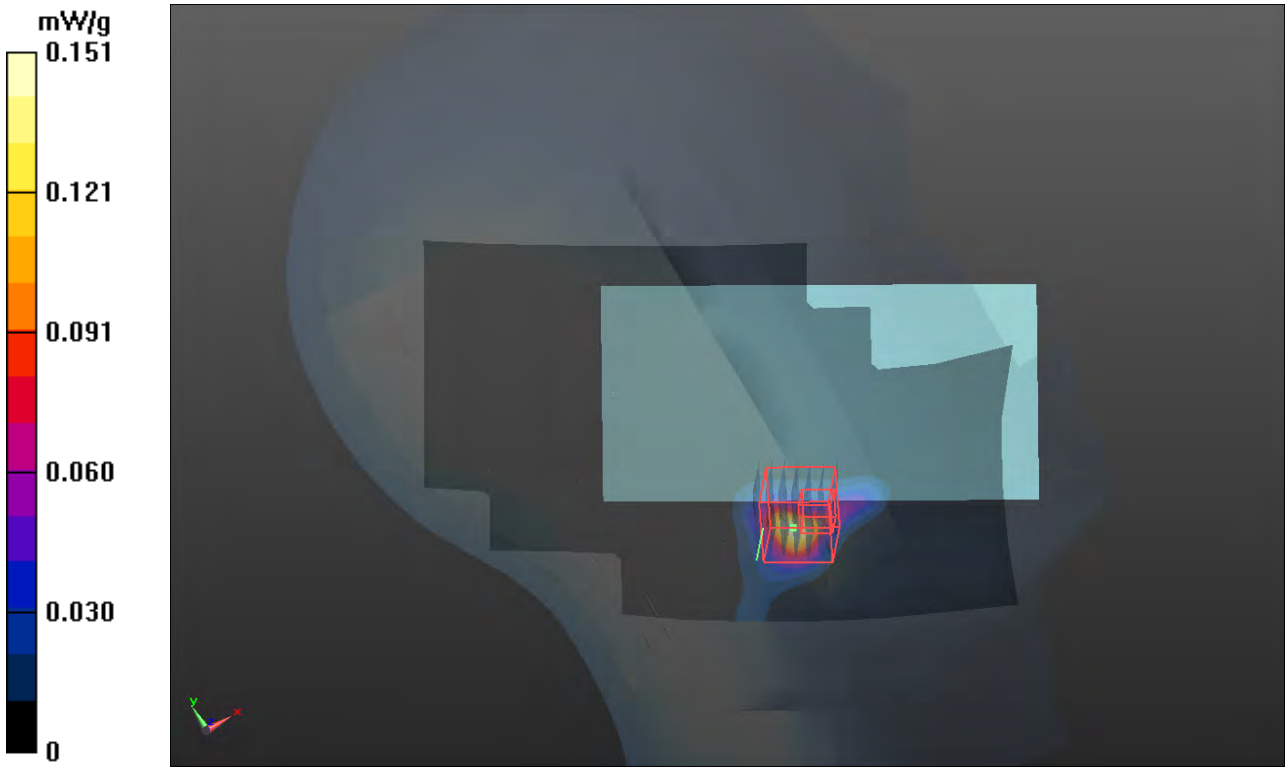
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: H5G_0116 Medium parameters used: f = 5805 MHz; σ = 5.071 mho/m; ε_r = 34.23; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.3, 4.3, 4.3); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (121x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.158 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.895 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.3810
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.033 mW/g
Maximum value of SAR (measured) = 0.241 mW/g



P231 LTE IV_QPSK_10M_Right Cheek_Ch20000_Battery1_25RB_Offset 12

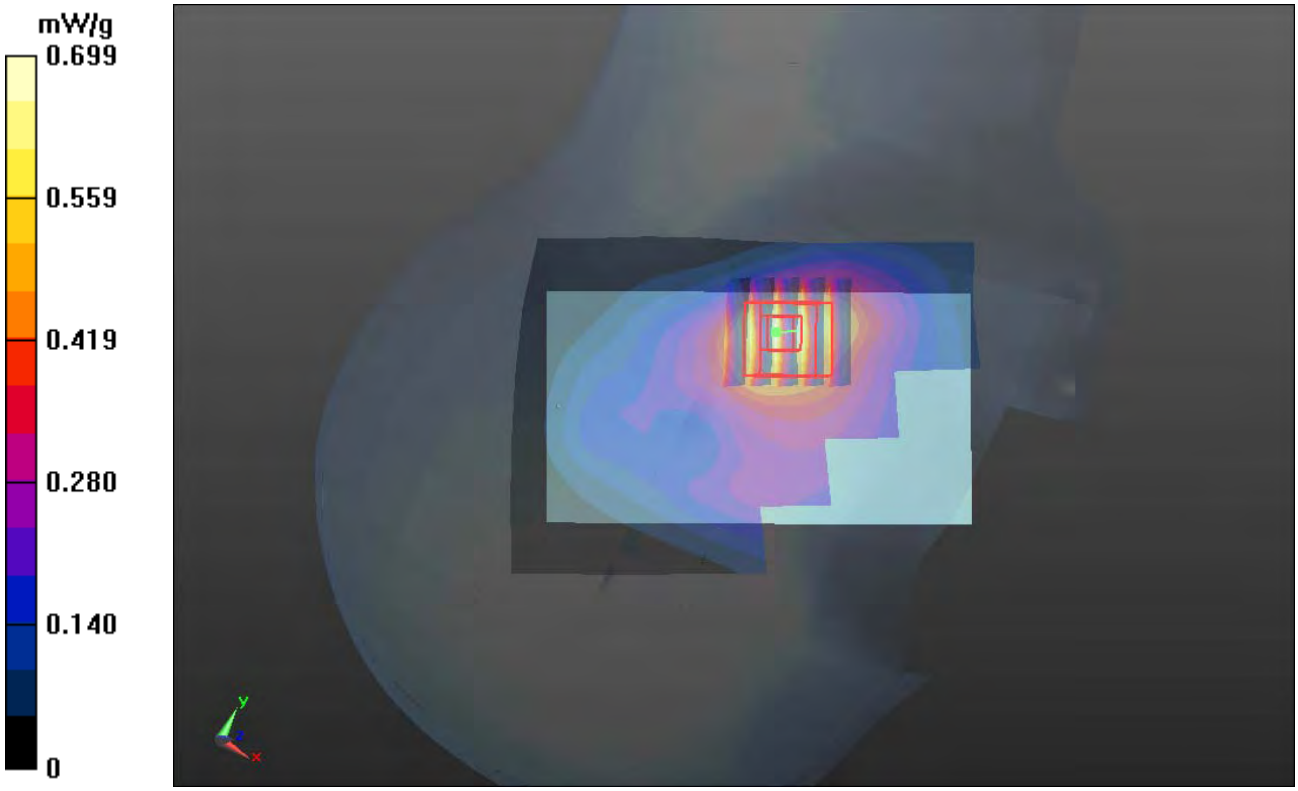
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.699 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.050 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.7930
SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.343 mW/g
Maximum value of SAR (measured) = 0.674 mW/g



P232 LTE IV_QPSK_10M_Right Tilted_Ch20000_Battery1_25RB_Offset 12

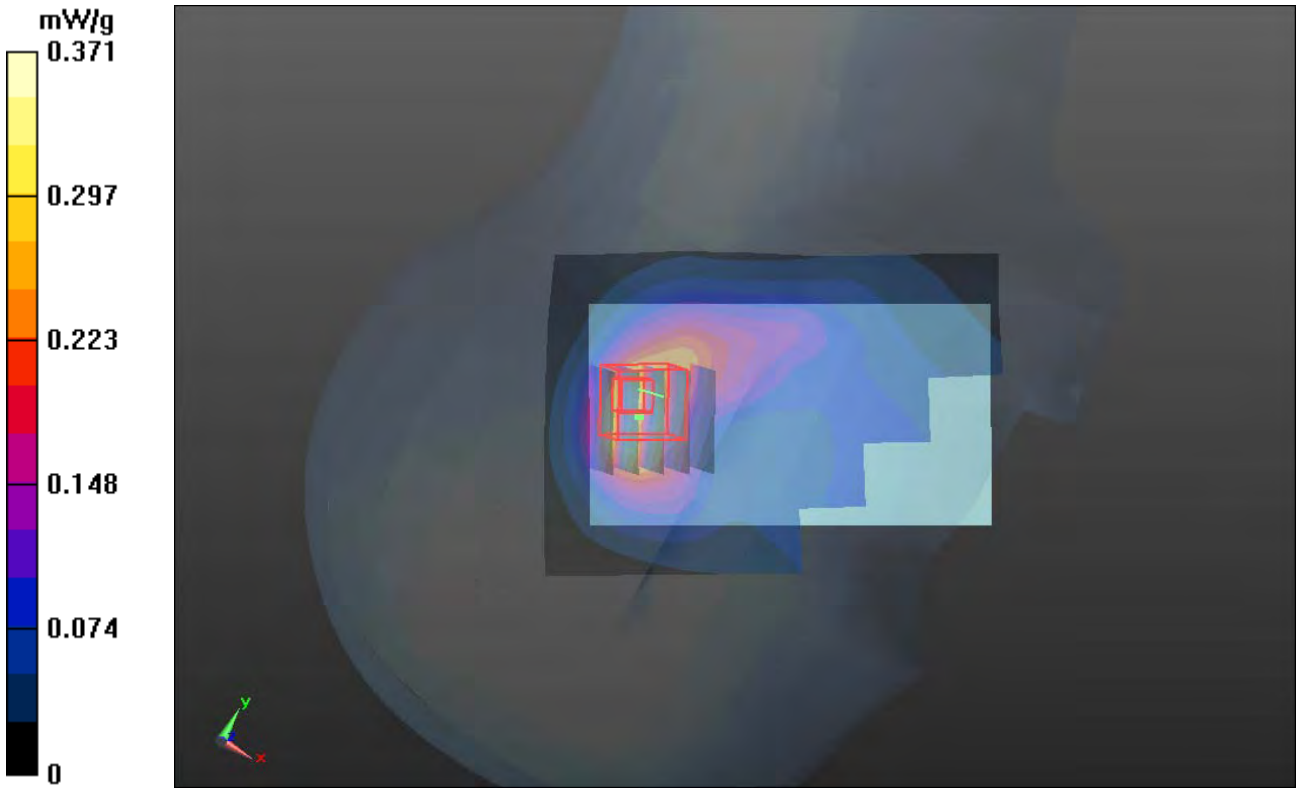
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.371 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.349 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.4410
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.165 mW/g
Maximum value of SAR (measured) = 0.347 mW/g



P233 LTE IV_QPSK_10M_Left Cheek_Ch20000_Battery1_25RB_Offset 12

DUT: 111130C18

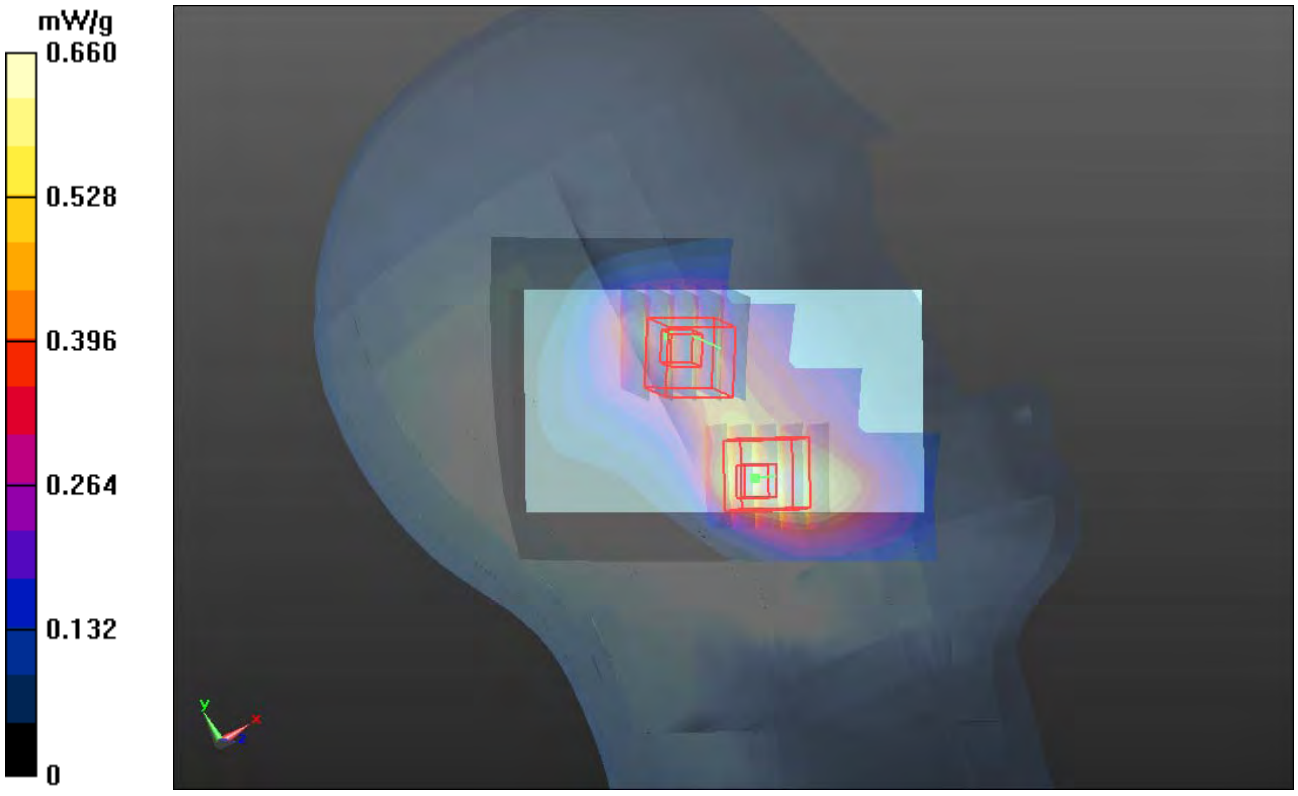
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.660 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.100 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.7430
SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.319 mW/g
Maximum value of SAR (measured) = 0.625 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.100 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.5790
SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.268 mW/g
Maximum value of SAR (measured) = 0.485 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/09

P234 LTE IV_QPSK_10M_Left Tilted_Ch20000_Battery1_25RB_Offset 12

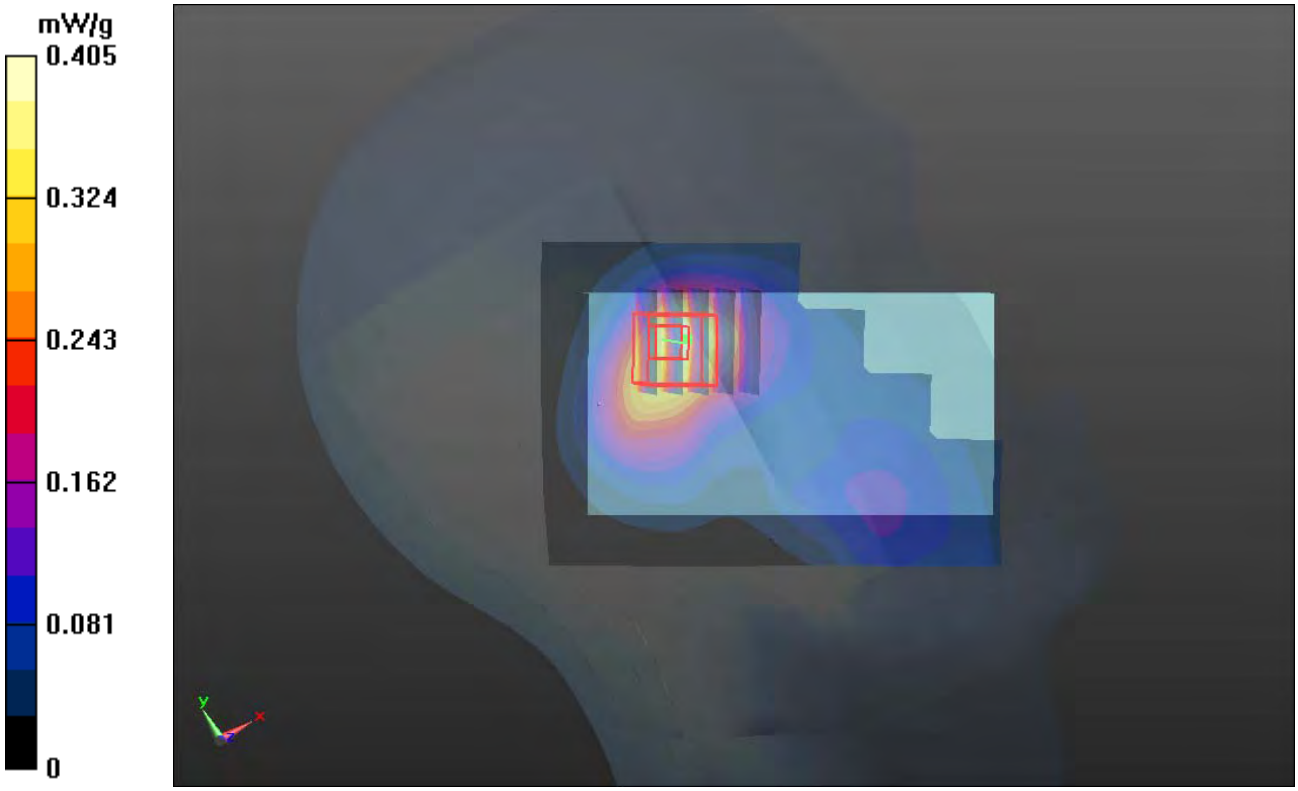
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.405 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.743 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.4620
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.388 mW/g



P246 LTE IV_16QAM_10M_Right Cheek_Ch20000_Battery1_25RB_Offset 12

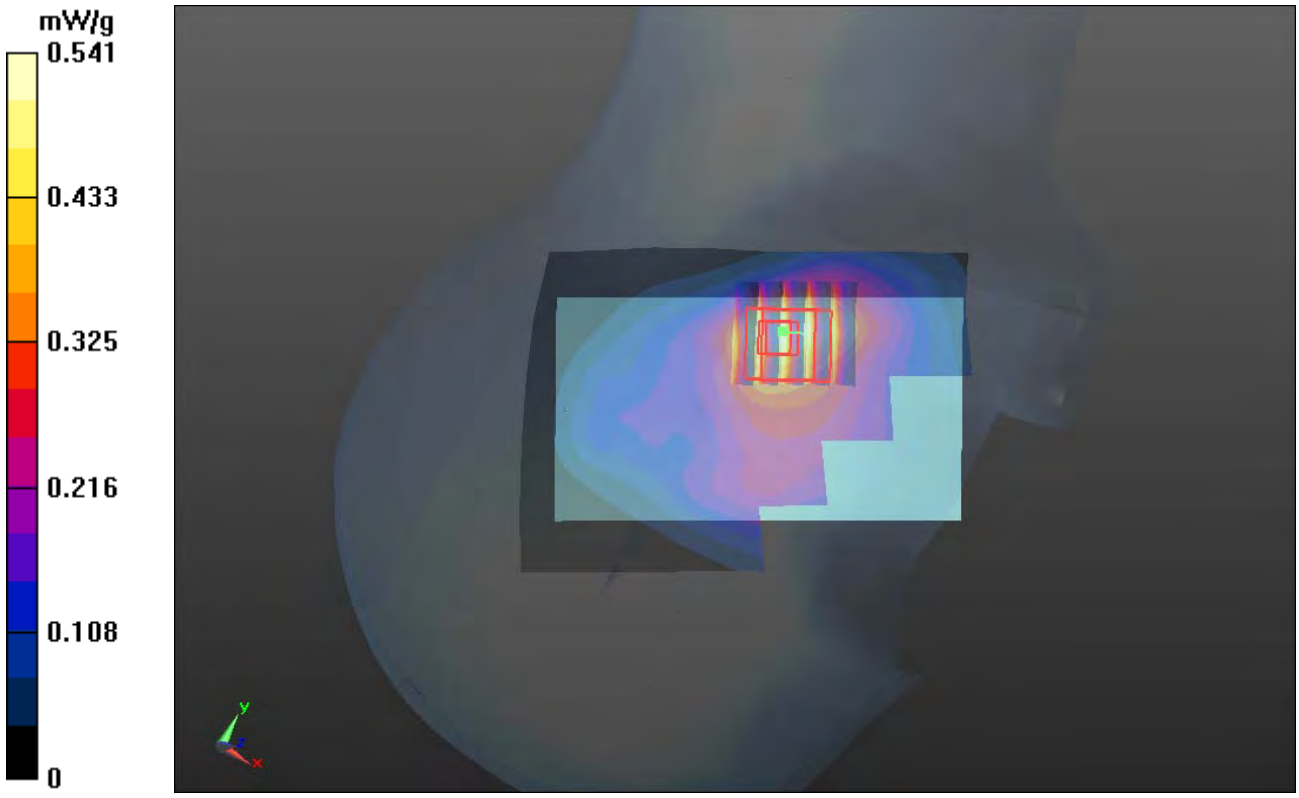
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0110 Medium parameters used: f = 1715 MHz; σ = 1.346 mho/m; ε_r = 39.613; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.541 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.118 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.5770
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.261 mW/g
Maximum value of SAR (measured) = 0.478 mW/g



P236 LTE IV_QPSK_10M_Right Cheek_Ch20000_Battery1_1RB_Offset 0

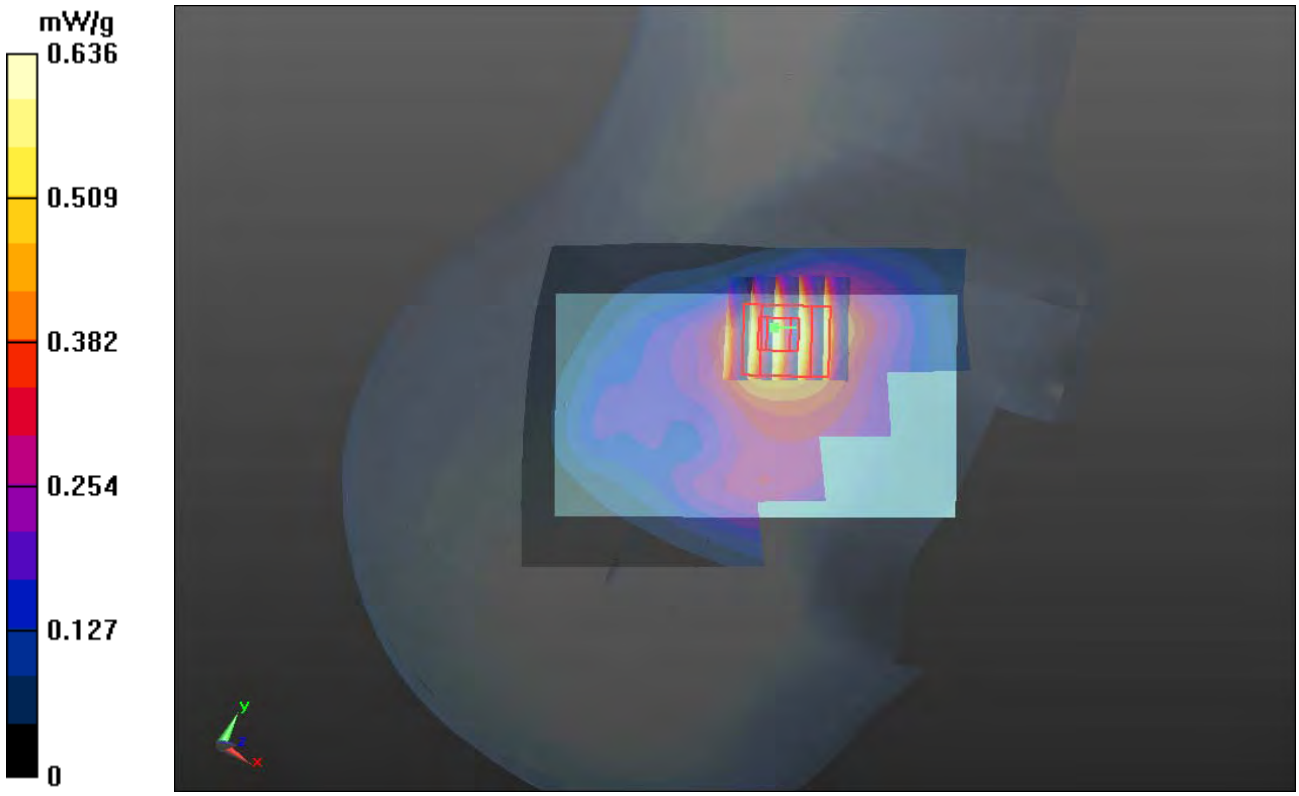
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.636 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.618 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.7170
SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.320 mW/g
Maximum value of SAR (measured) = 0.607 mW/g



P237 LTE IV_QPSK_10M_Right Tilted_Ch20000_Battery1_1RB_Offset 0

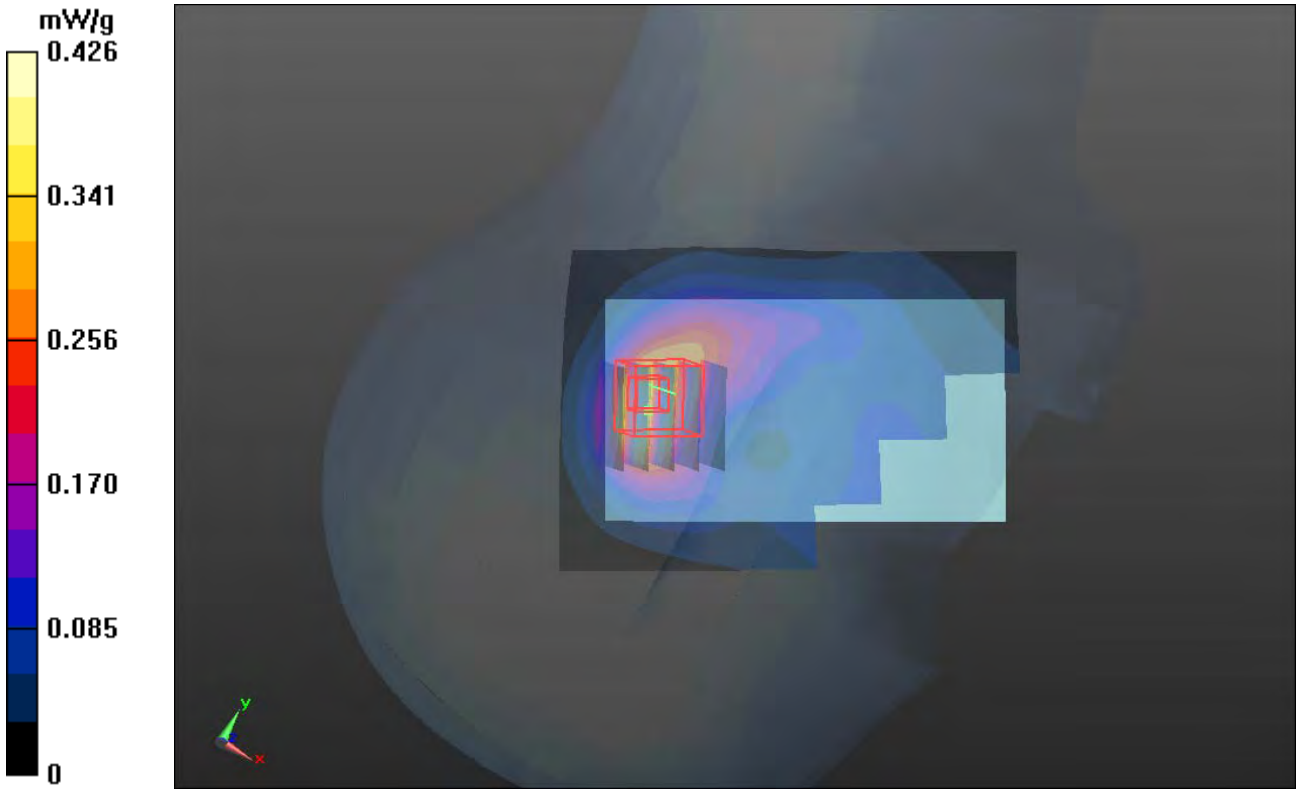
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.426 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.841 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.4920
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.402 mW/g



P238 LTE IV_QPSK_10M_Left Cheek_Ch20000_Battery1_1RB_Offset 0

DUT: 111130C18

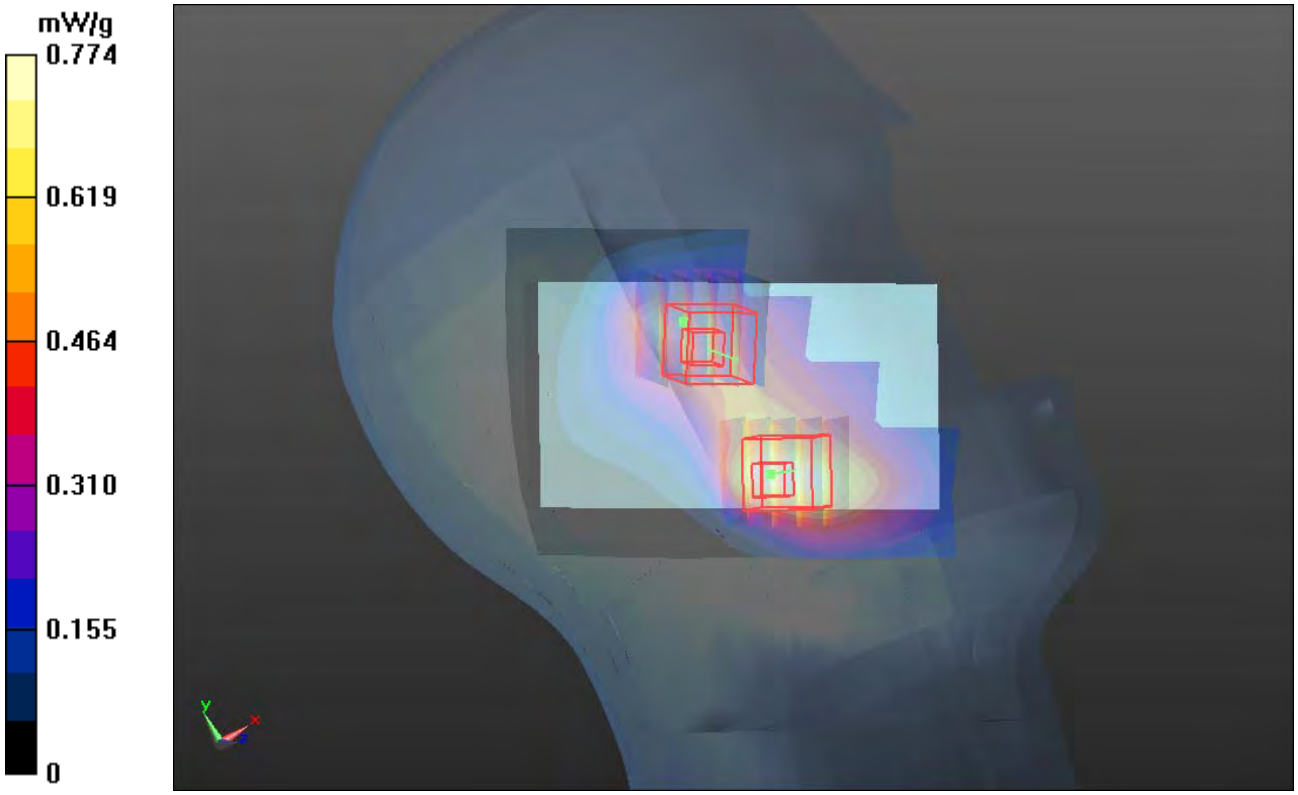
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.774 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.262 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.8620
SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.721 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.262 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.6610
SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.558 mW/g



P239 LTE IV_QPSK_10M_Left Tilted_Ch20000_Battery1_1RB_Offset 0

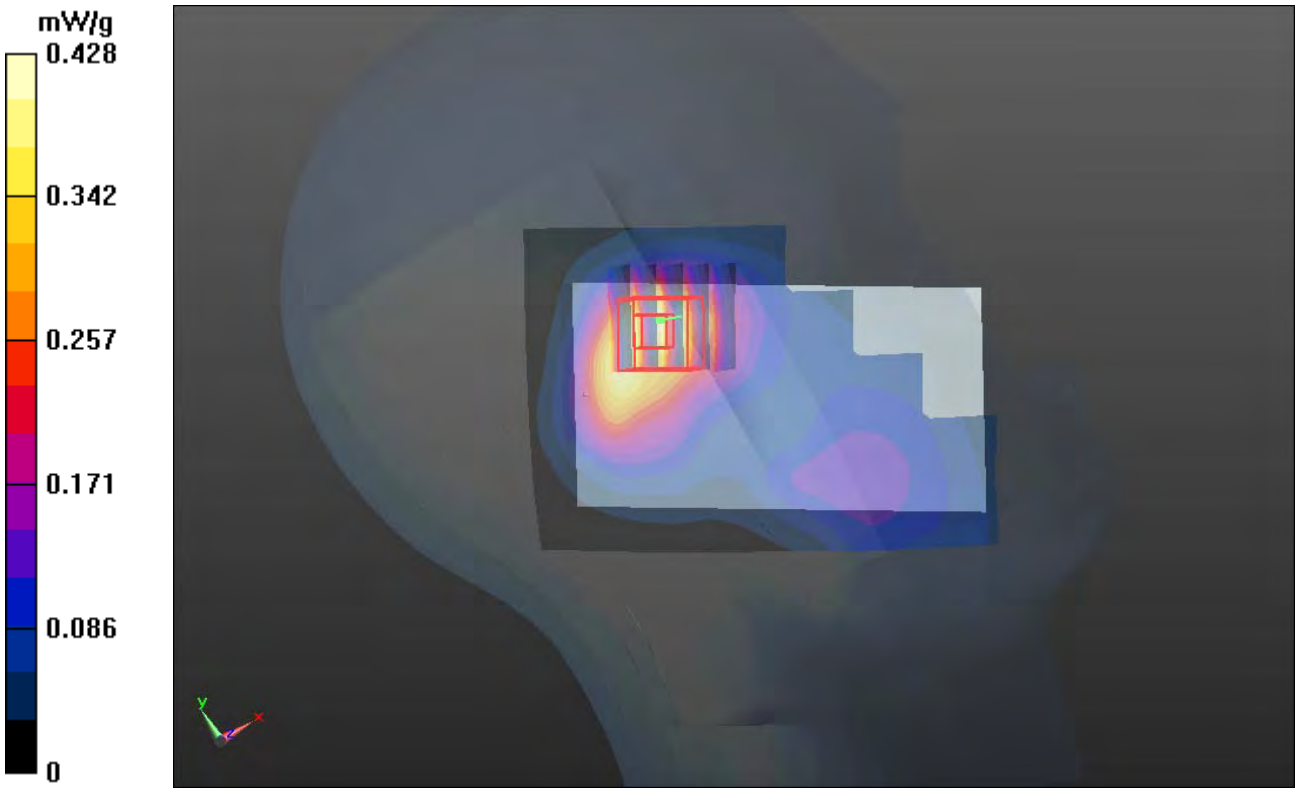
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.428 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.718 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.4970
SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.414 mW/g



P253 LTE IV_16QAM_10M_Left Cheek_Ch20000_Battery1_1RB_Offset 0

DUT: 111130C18

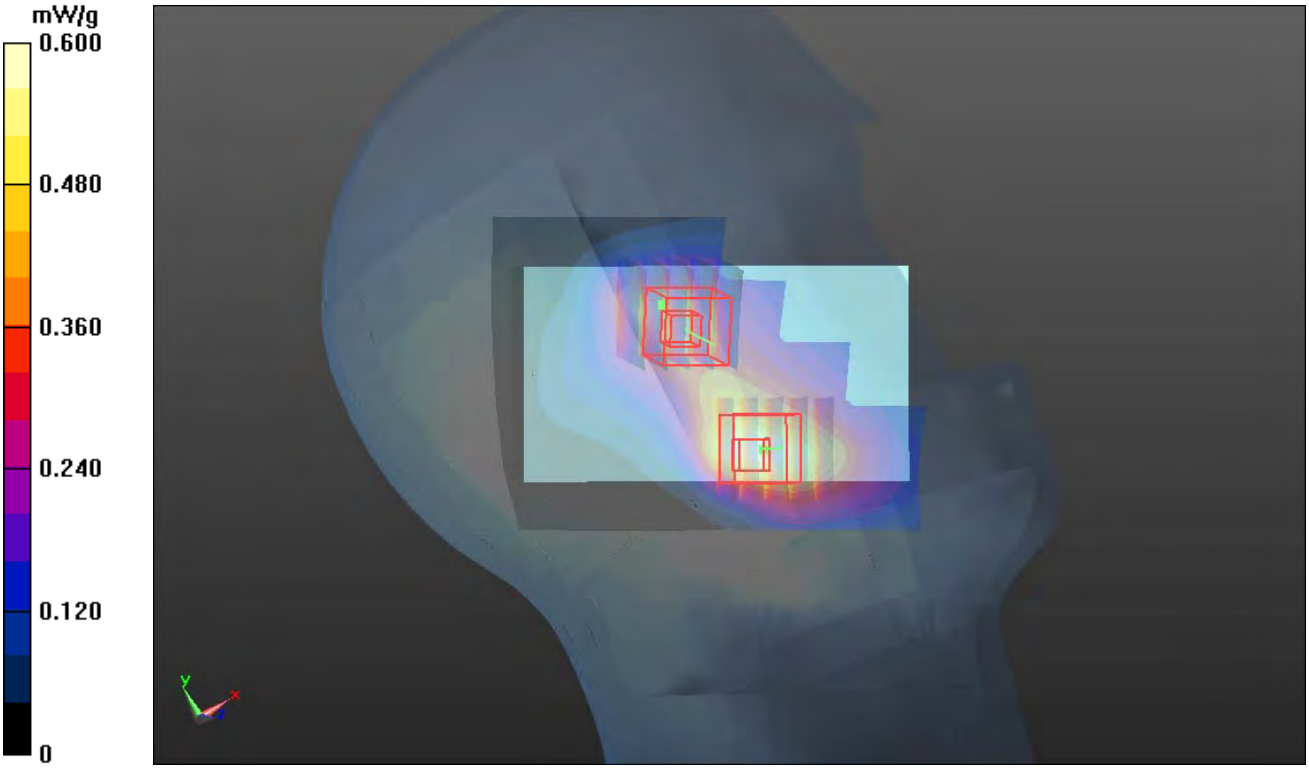
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0110 Medium parameters used: f = 1715 MHz; σ = 1.346 mho/m; ε_r = 39.613; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.600 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.235 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.7000
SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.292 mW/g
Maximum value of SAR (measured) = 0.575 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.235 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.4860
SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 0.413 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/09

P241 LTE IV_QPSK_10M_Right Cheek_Ch20000_Battery1_1RB_Offset 49

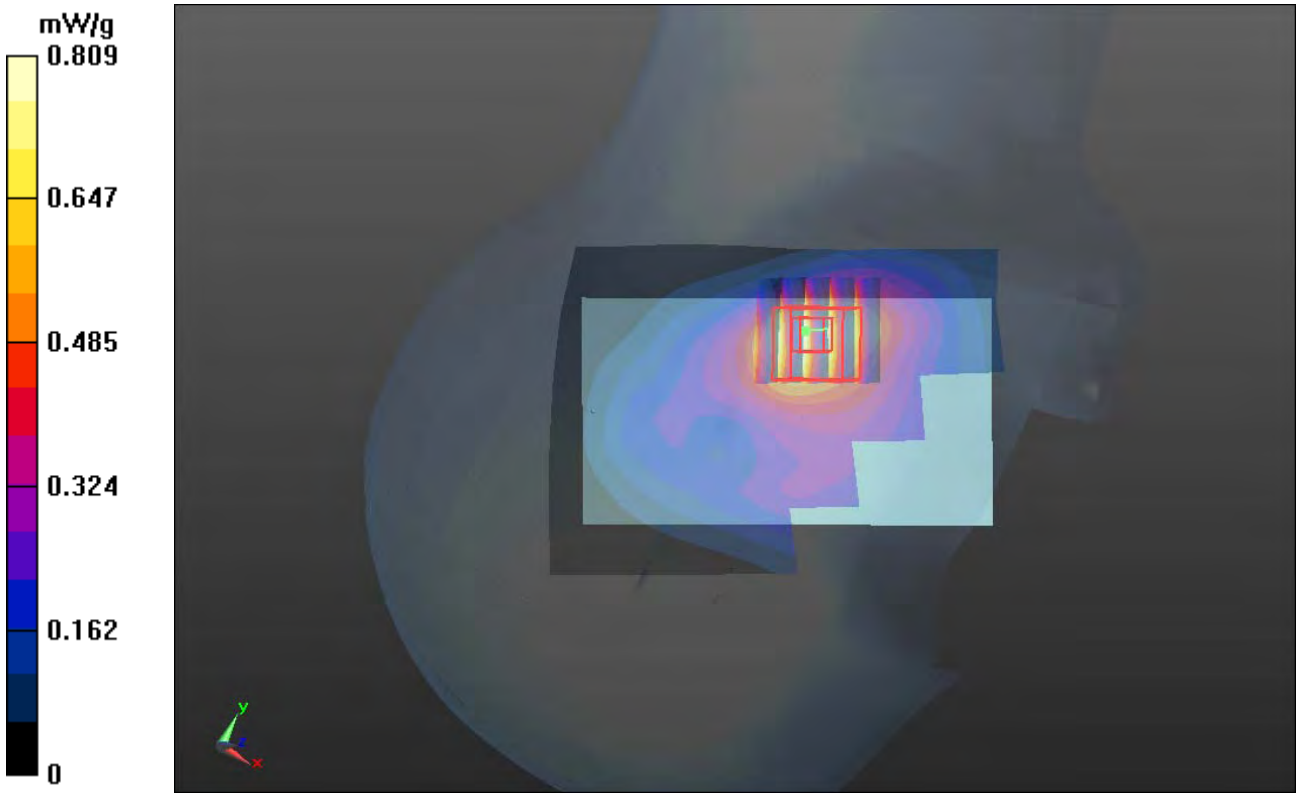
DUT: 111130C18

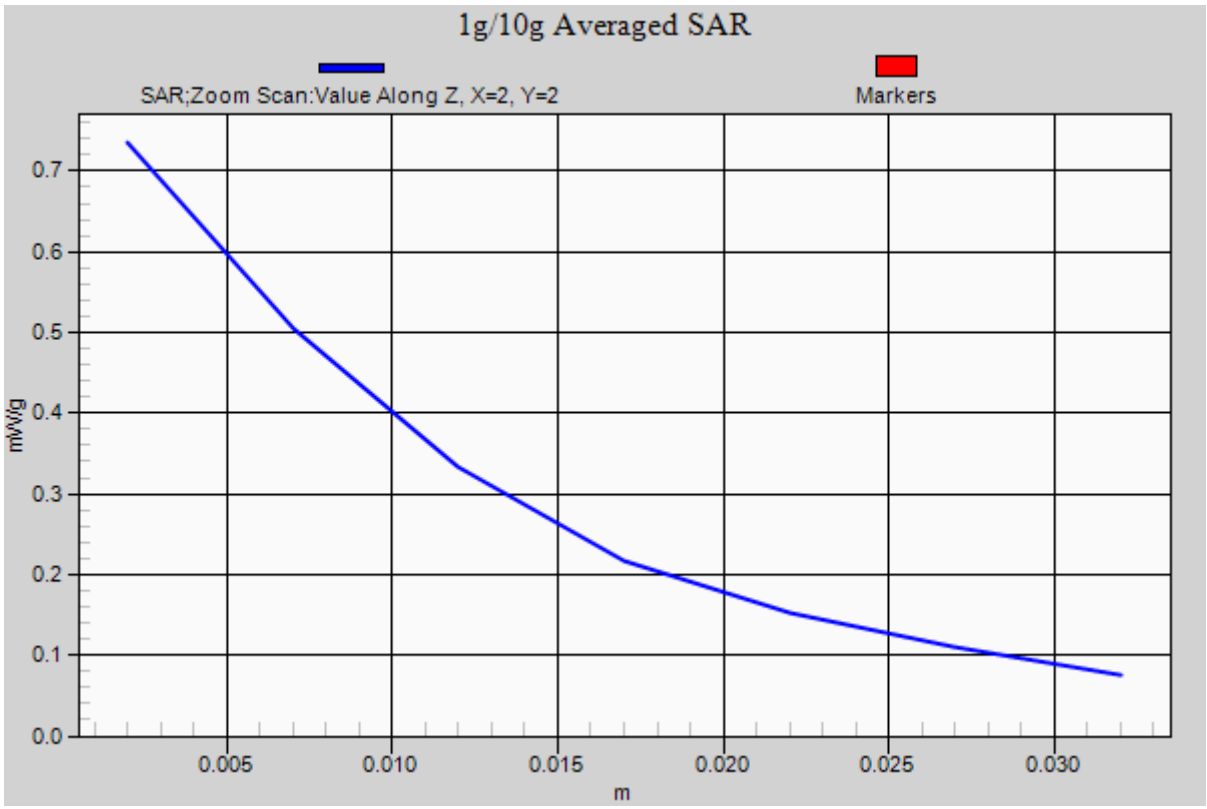
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.809 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.207 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.8570
SAR(1 g) = 0.599 mW/g; SAR(10 g) = 0.386 mW/g
Maximum value of SAR (measured) = 0.735 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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

P242 LTE IV_QPSK_10M_Right Tilted_Ch20000_Battery1_1RB_Offset 49

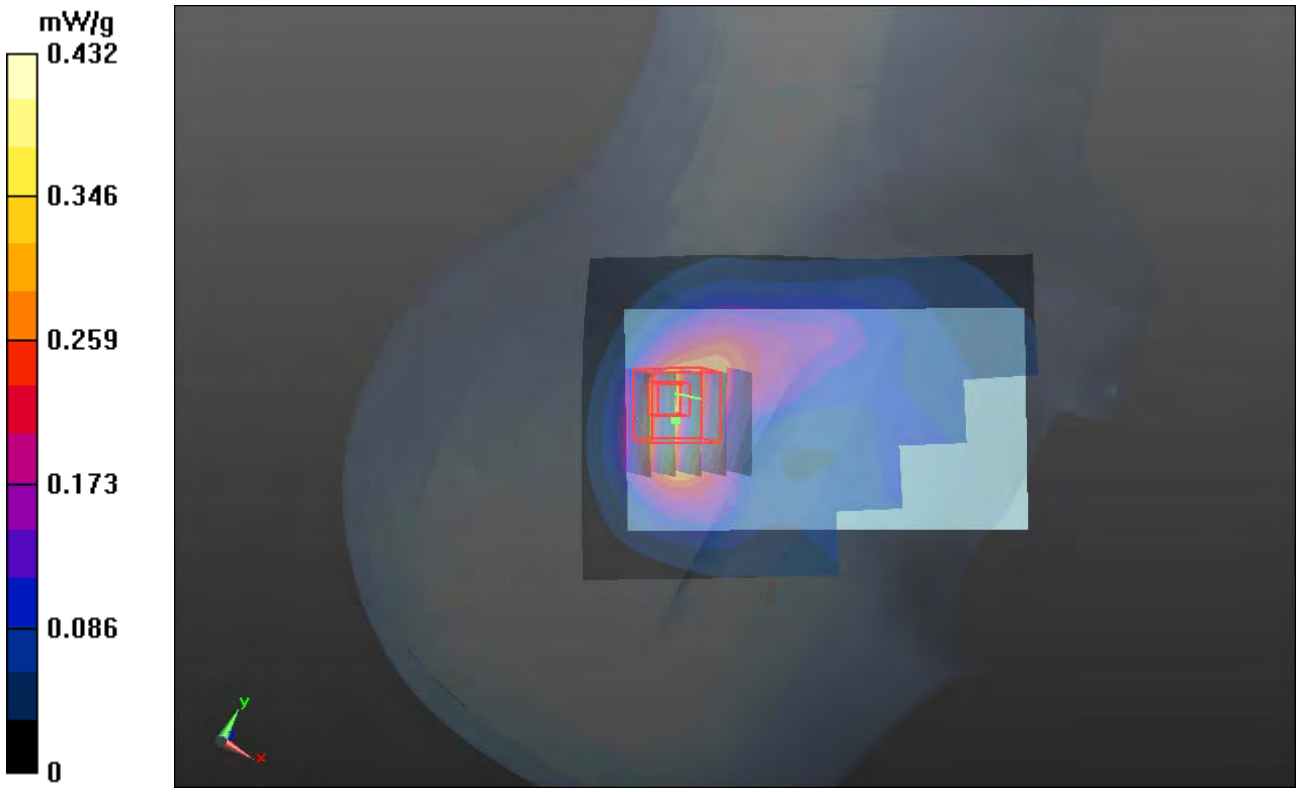
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.432 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.104 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.5140
SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.196 mW/g
Maximum value of SAR (measured) = 0.422 mW/g



P243 LTE IV_QPSK_10M_Left Check_Ch20000_Battery1_1RB_Offset 49

DUT: 111130C18

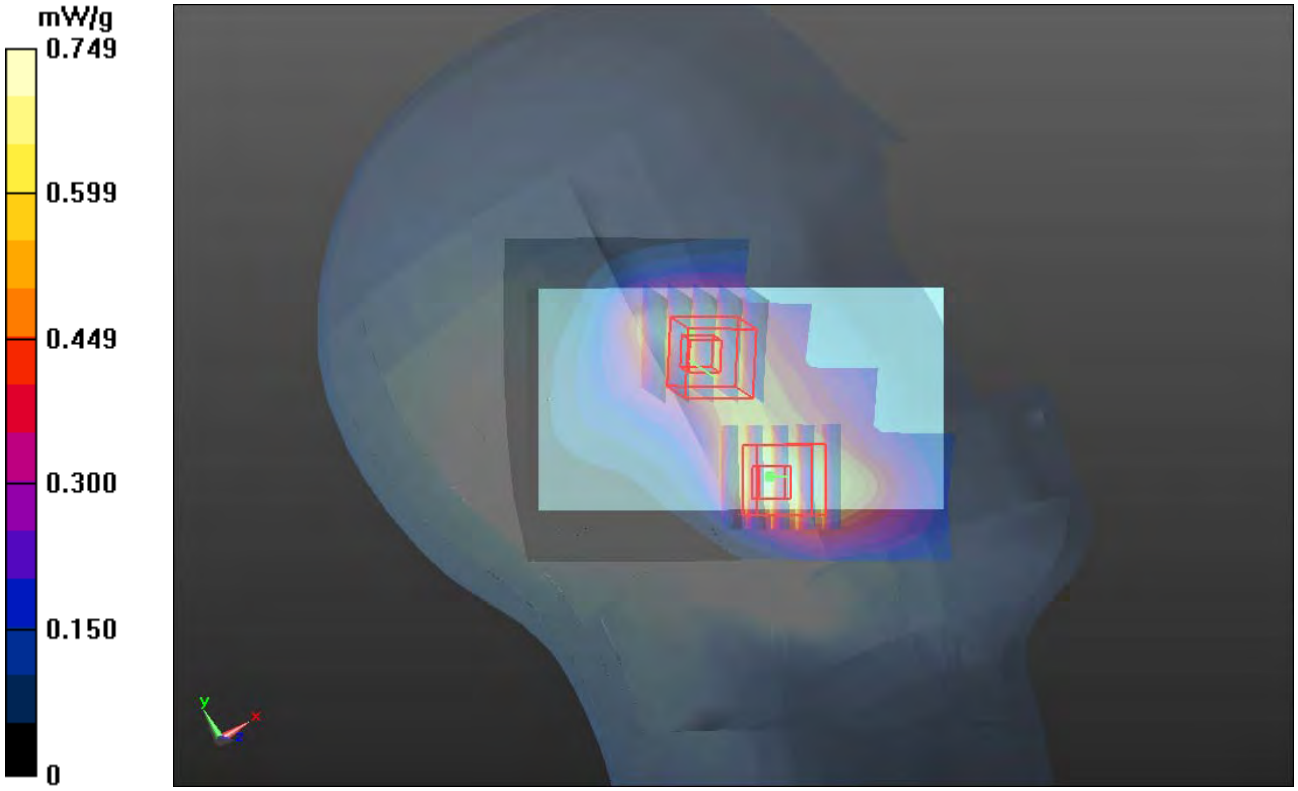
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.749 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.595 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.8460
SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.704 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.595 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.7330
SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.624 mW/g



P244 LTE IV_QPSK_10M_Left Tilted_Ch20000_Battery1_1RB_Offset 49

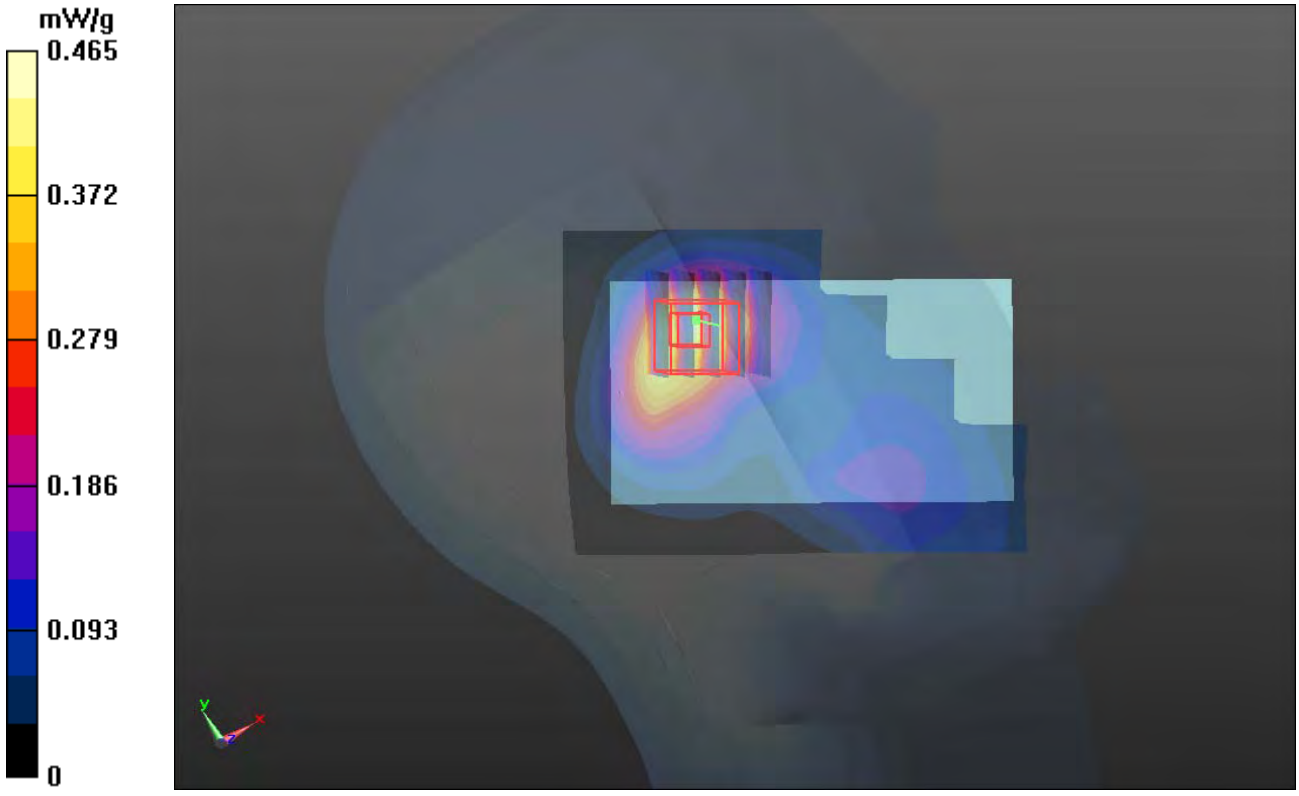
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0109 Medium parameters used: f = 1715 MHz; σ = 1.347 mho/m; ε_r = 39.61; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.465 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.498 V/m; Power Drift = -0.0043 dB
Peak SAR (extrapolated) = 0.5260
SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.445 mW/g



P255 LTE IV_16QAM_10M_Right Cheek_Ch20000_Battery1_1RB_Offset 49

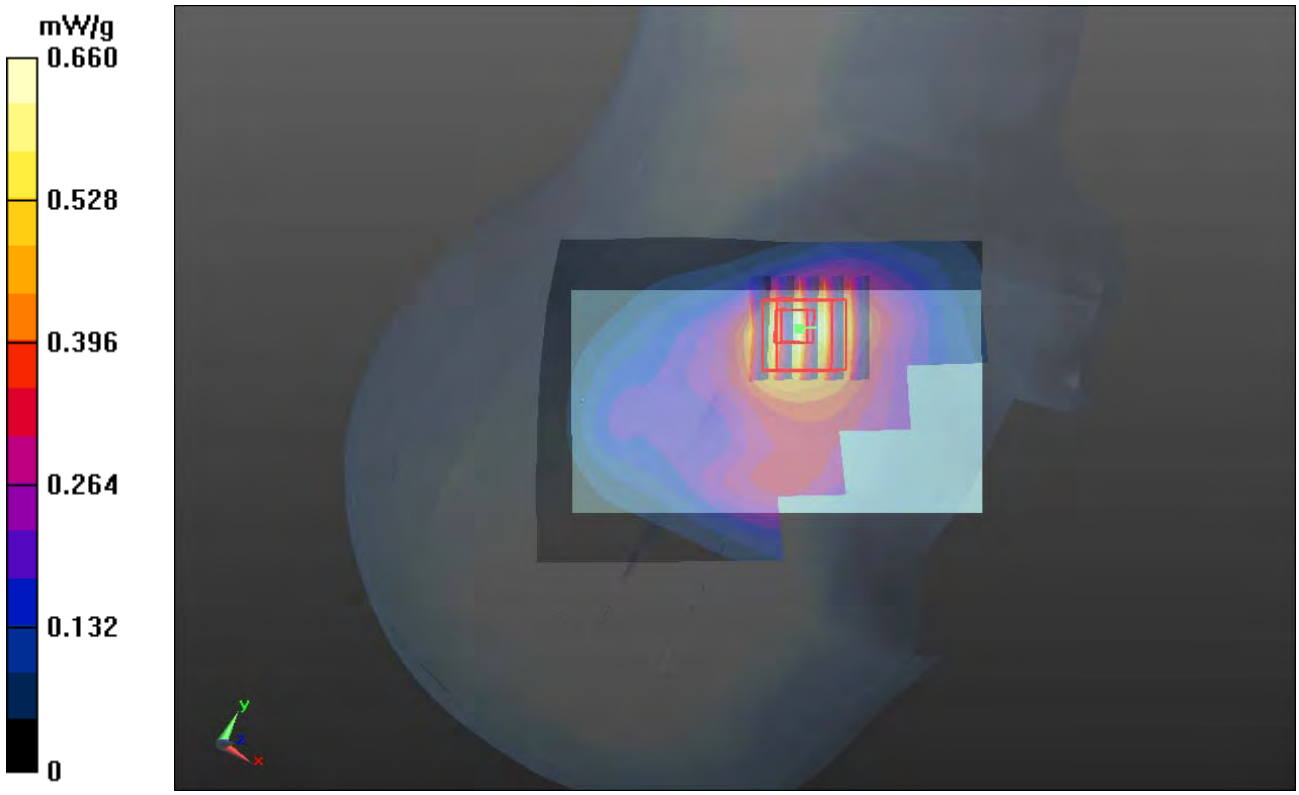
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0110 Medium parameters used: f = 1715 MHz; σ = 1.346 mho/m; ε_r = 39.613; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.660 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.567 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.7670
SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.660 mW/g



P245 LTE IV_QPSK_10M_Right Cheek_Ch20000_Battery2_1RB_Offset 49

DUT: 111130C18

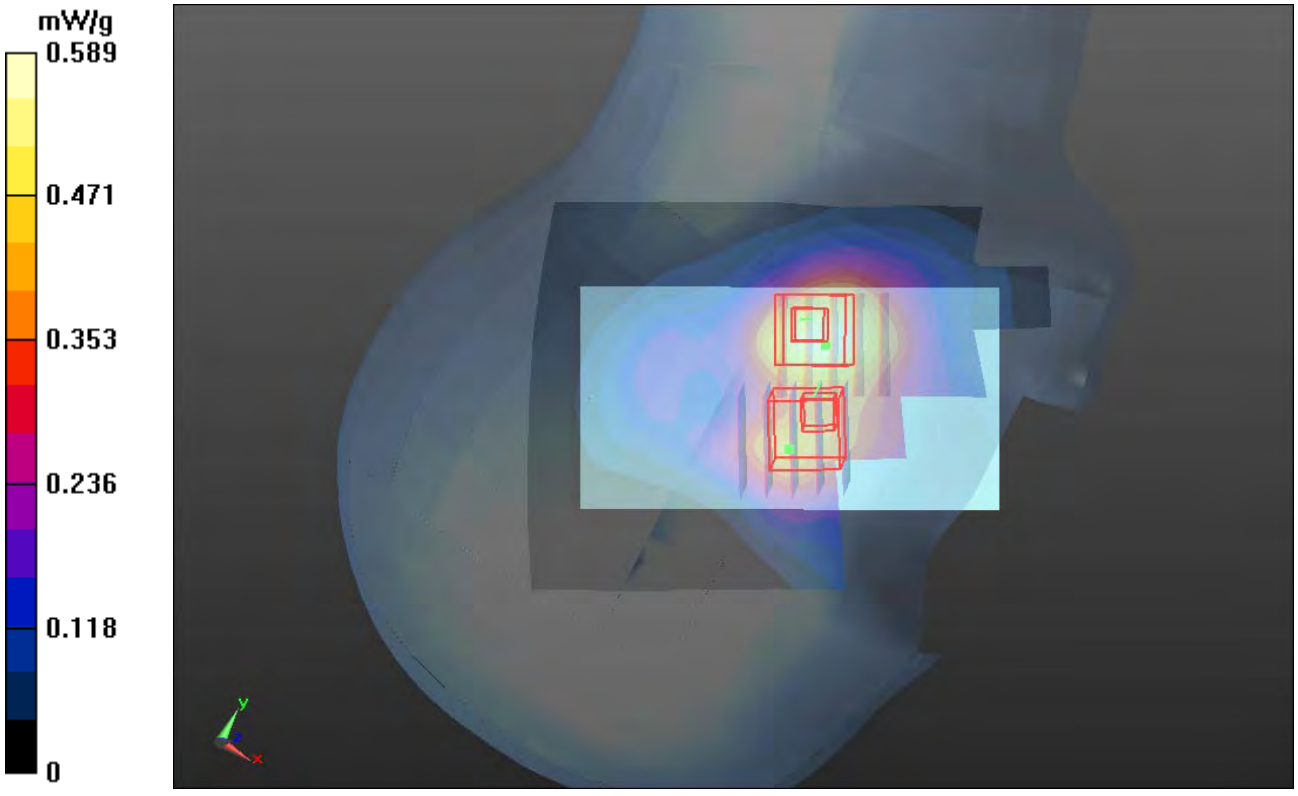
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: H1750_0114 Medium parameters used: f = 1715 MHz; σ = 1.339 mho/m; ε_r = 41.357; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (61x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.589 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.450 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.7000
SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 0.596 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.450 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.4790
SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.403 mW/g



P201 LTE XVII_QPSK_10M_Right Cheek_Ch23800_Battery1_25RB_Offset 12

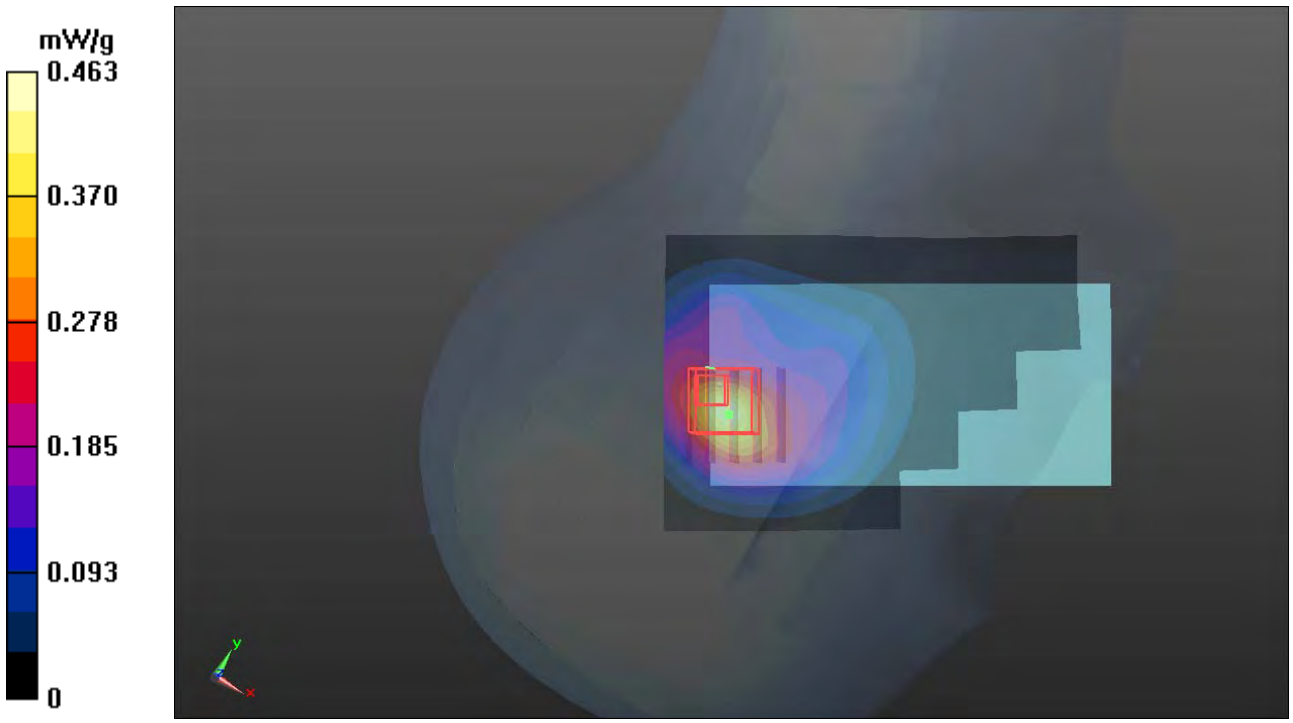
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.463 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.018 V/m; Power Drift = 0.162 dB
Peak SAR (extrapolated) = 0.7190
SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.203 mW/g
Maximum value of SAR (measured) = 0.551 mW/g



P202 LTE XVII_QPSK_10M_Right Tilted_Ch23800_Battery1_25RB_Offset 12

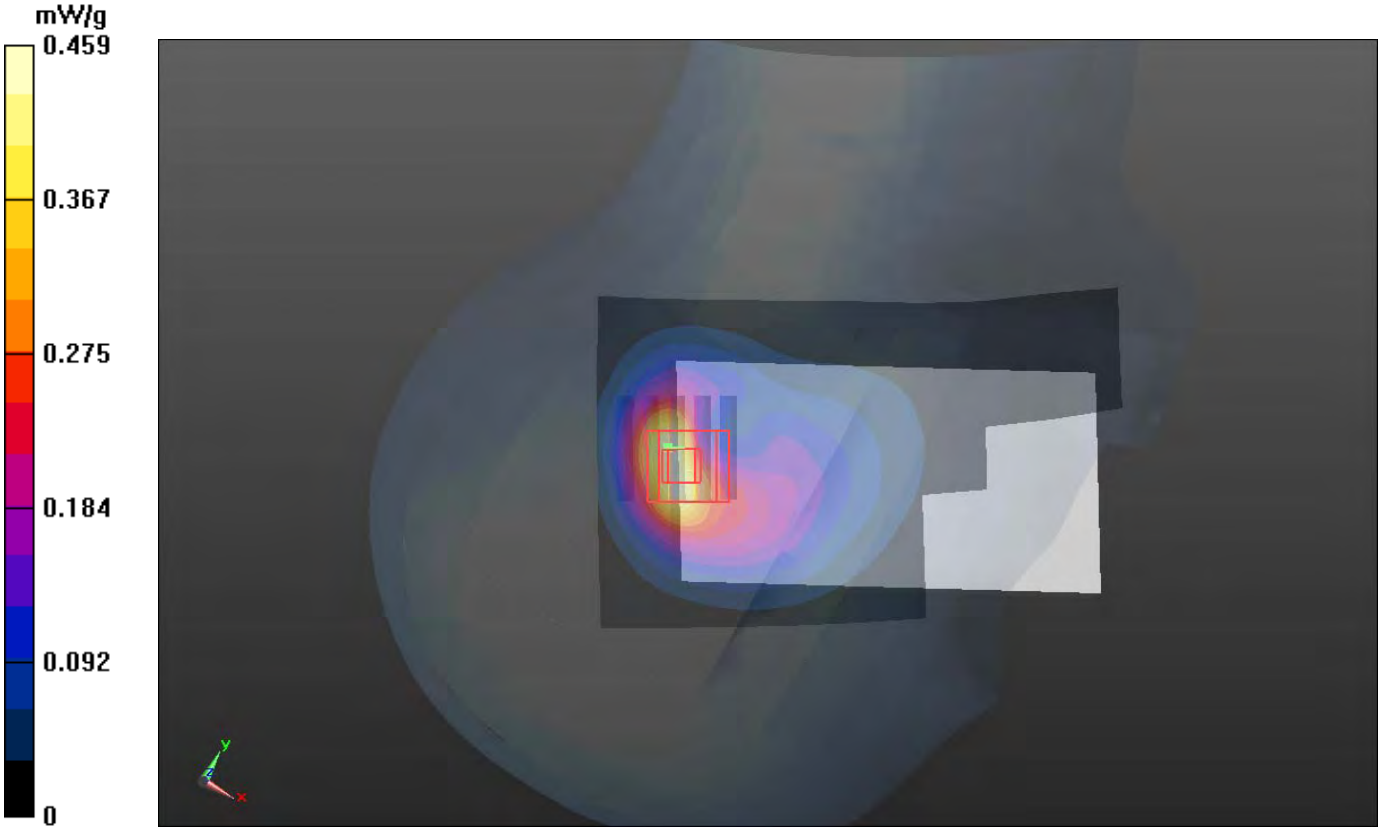
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.459 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.717 V/m; Power Drift = 0.0083 dB
Peak SAR (extrapolated) = 0.7210
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 0.512 mW/g



P203 LTE XVII_QPSK_10M_Left Cheek_Ch23800_Battery1_25RB_Offset 12

DUT: 111130C18

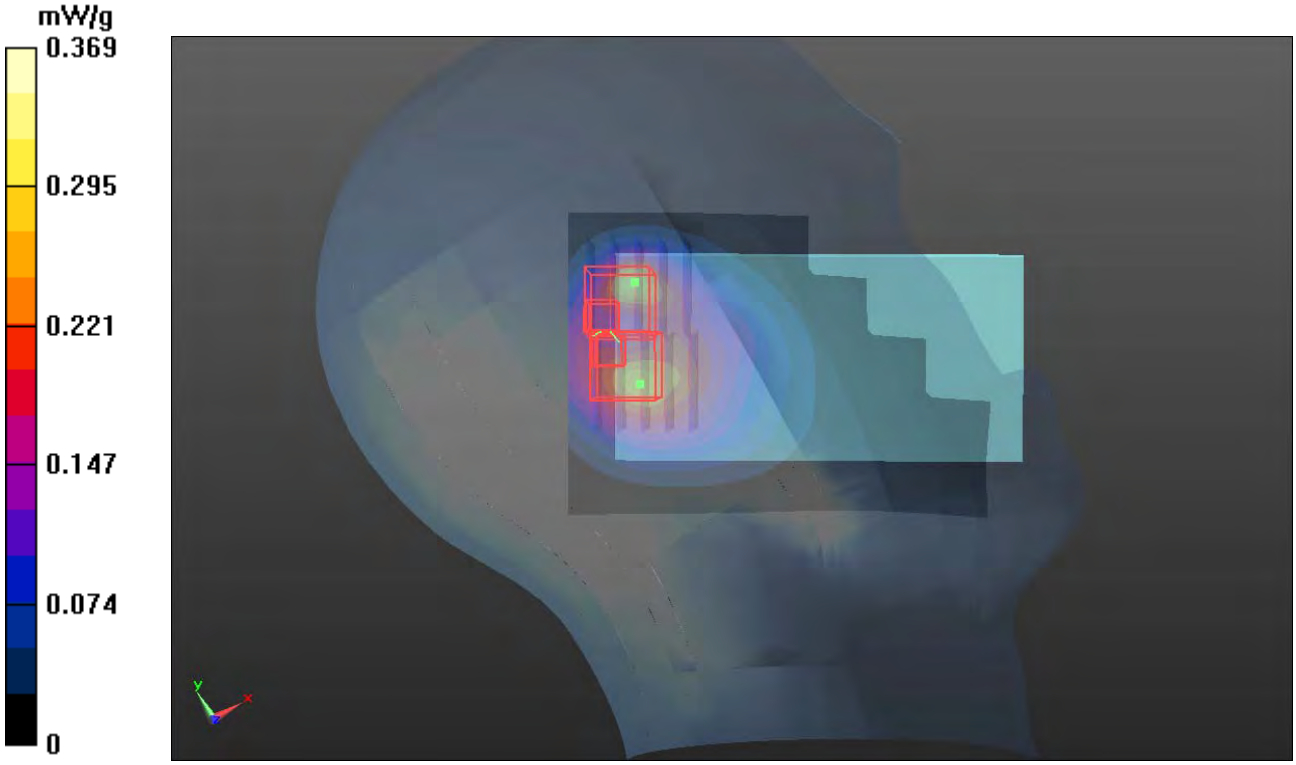
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.369 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.051 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.4560
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.306 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.051 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.4130
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.120 mW/g
Maximum value of SAR (measured) = 0.307 mW/g



P204 LTE XVII_QPSK_10M_Left Tilted_Ch23800_Battery1_25RB_Offset 12

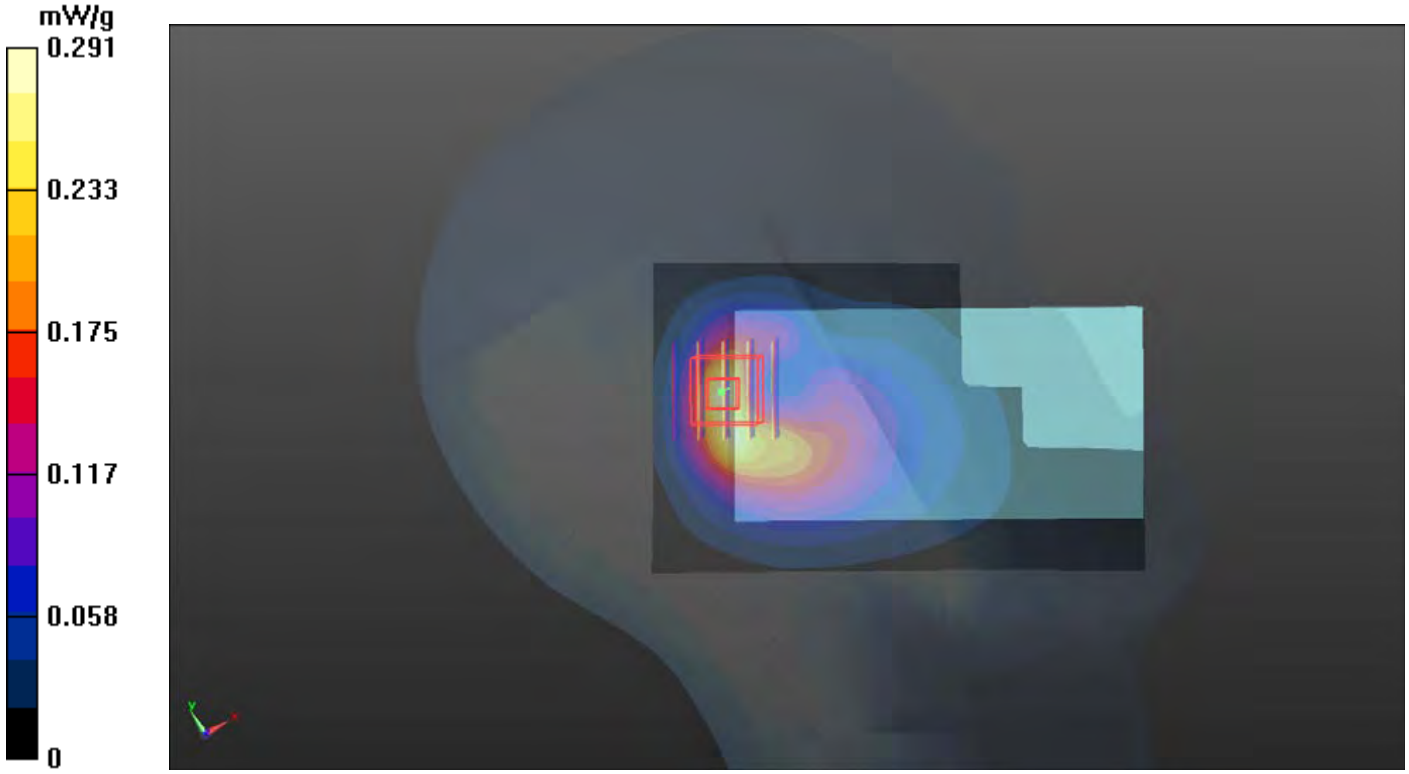
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.291 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.357 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.4450
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.305 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/10

P216 LTE XVII_16QAM_10M_Right Cheek_Ch23800_Battery1_25RB_Offset 12

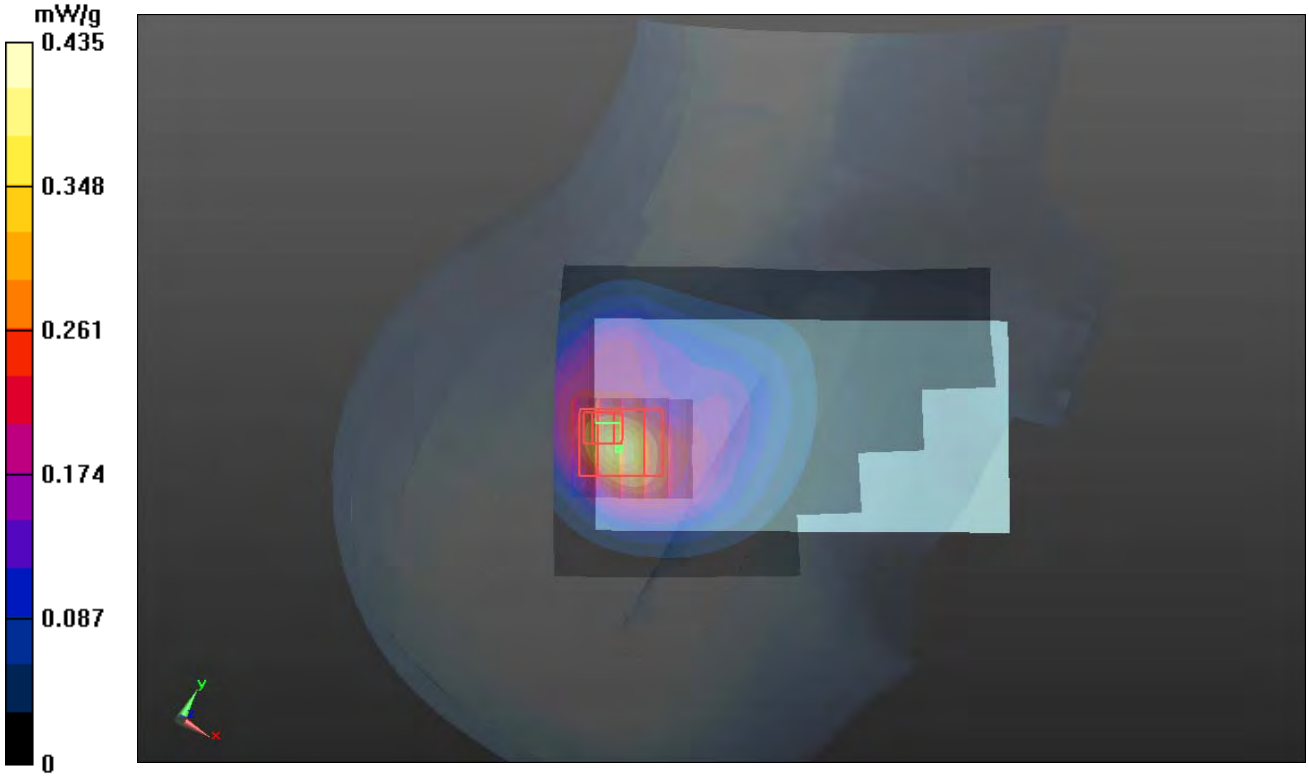
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.435 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.816 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.6900
SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.197 mW/g
Maximum value of SAR (measured) = 0.501 mW/g



P206 LTE XVII_QPSK_10M_Right Cheek_Ch23800_Battery1_1RB_Offset 0

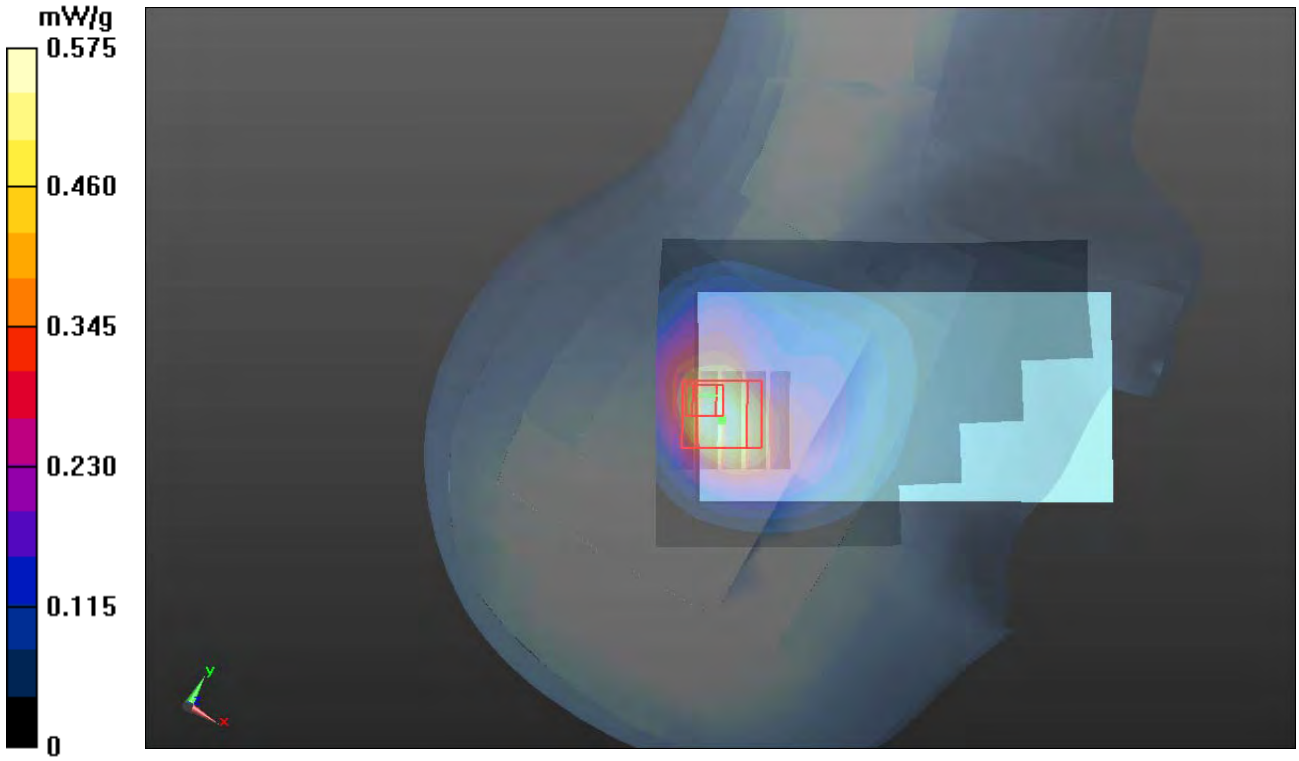
DUT: 111130C18

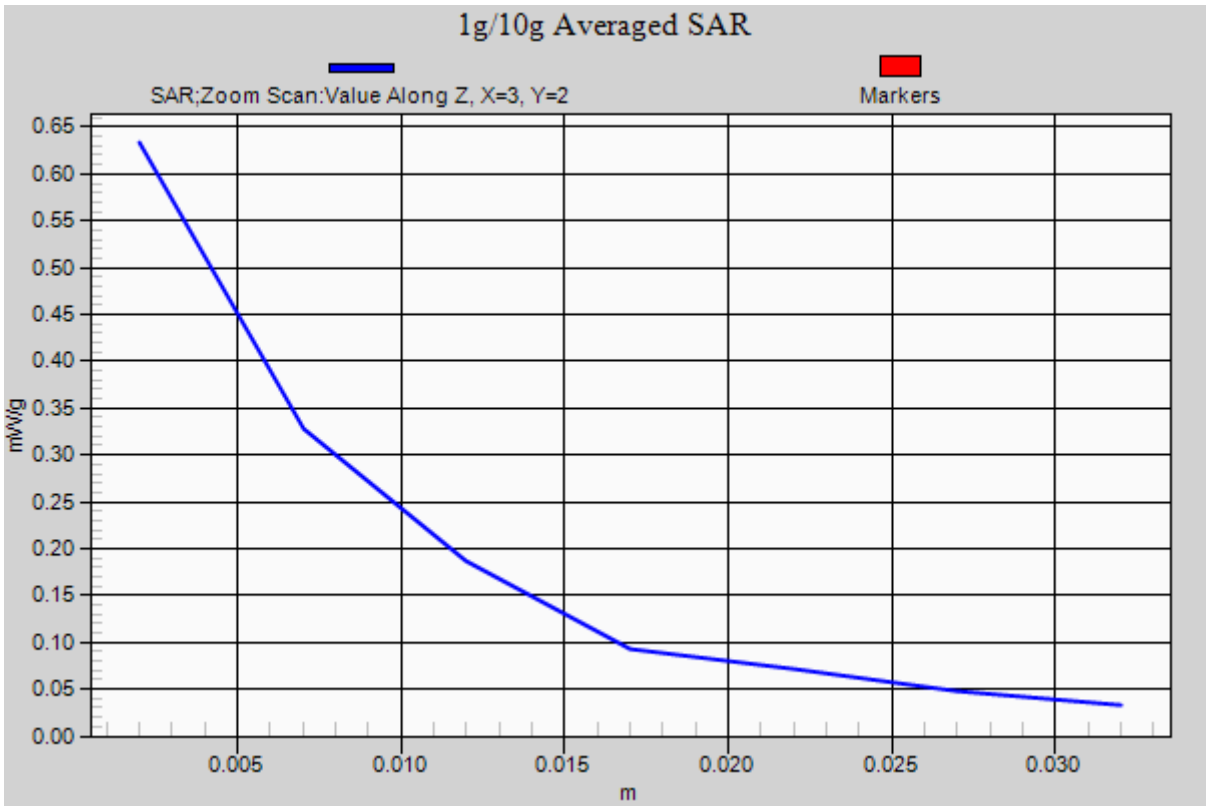
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.575 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.472 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.8510
SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 0.633 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=3, Y=2
Markers
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
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

P207 LTE XVII_QPSK_10M_Right Tilted_Ch23800_Battery1_0RB_Offset 0

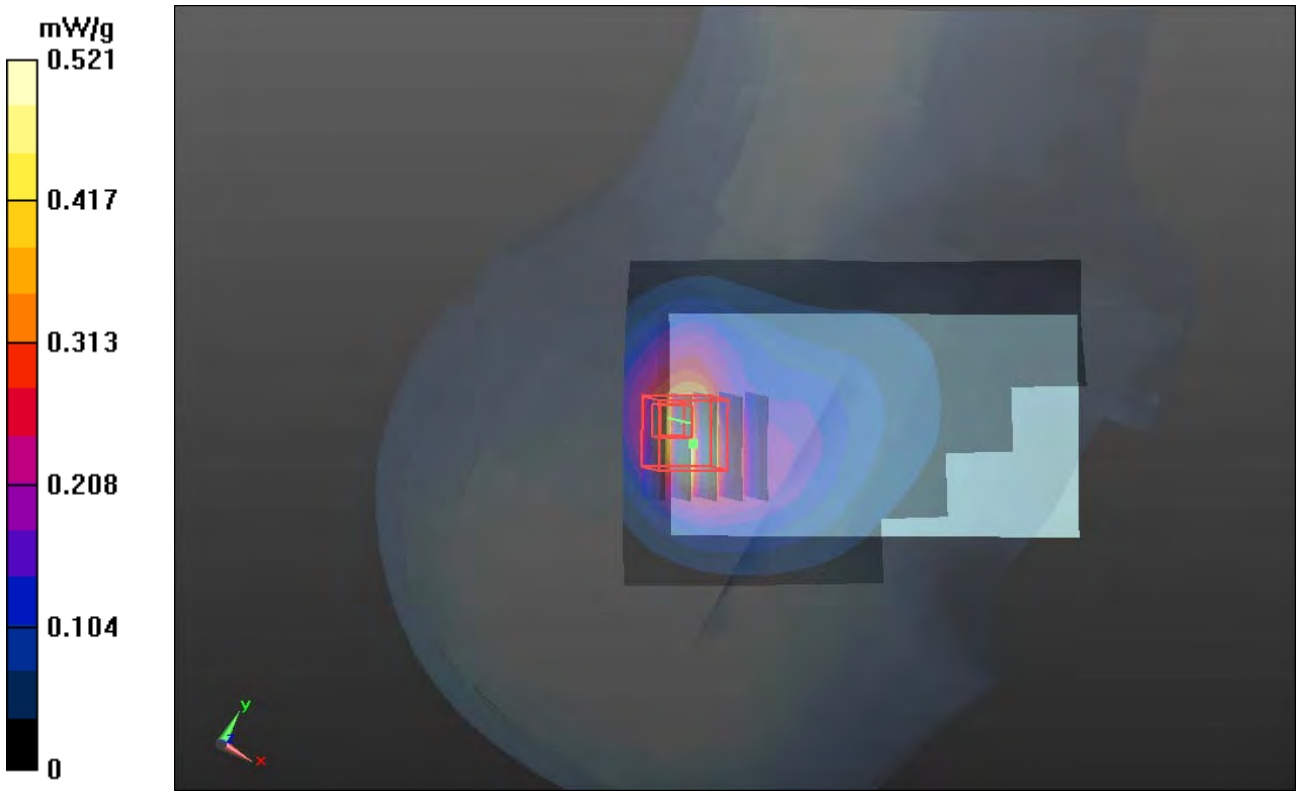
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.521 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.383 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.7590
SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.197 mW/g
Maximum value of SAR (measured) = 0.587 mW/g



P208 LTE XVII_QPSK_10M_Left Cheek_Ch23800_Battery1_1RB_Offset 0

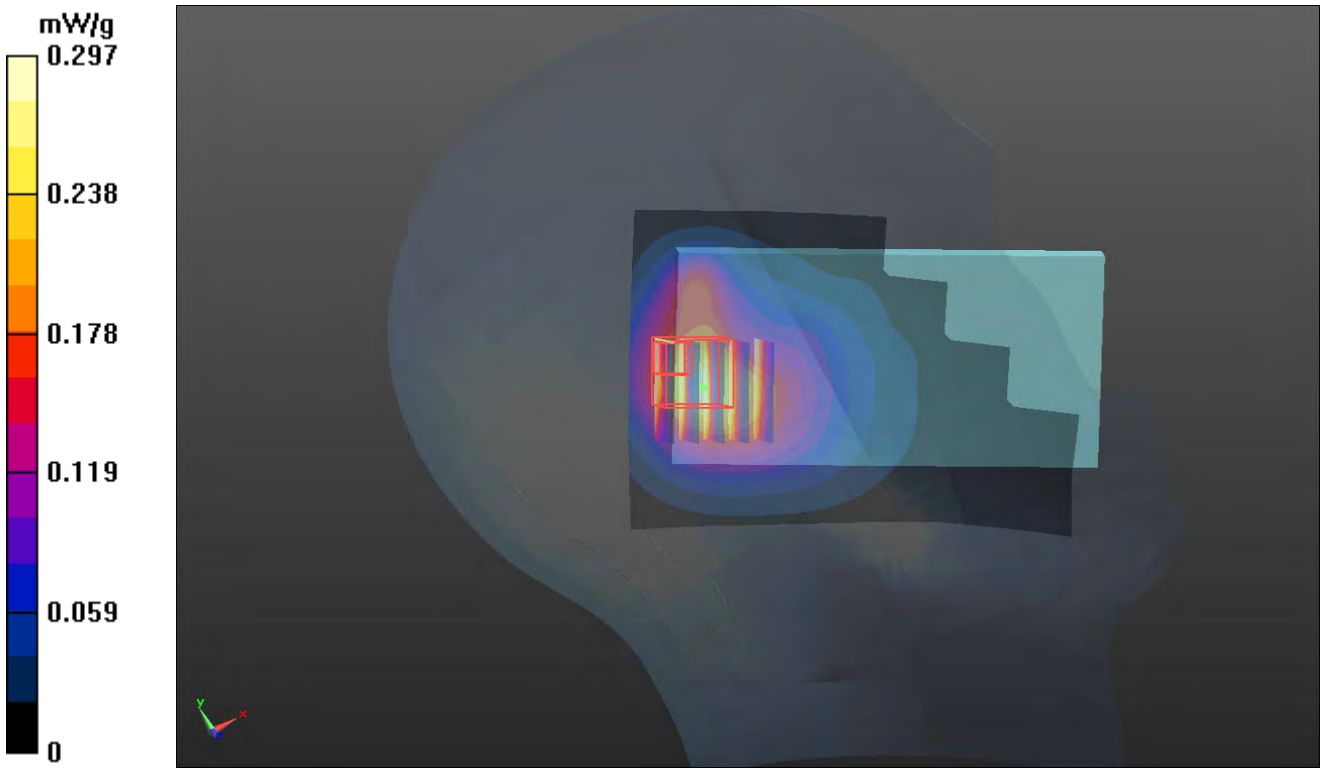
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.297 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.284 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.4050
SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.259 mW/g



P209 LTE XVII_QPSK_10M_Left Tilted_Ch23800_Battery1_1RB_Offset 0

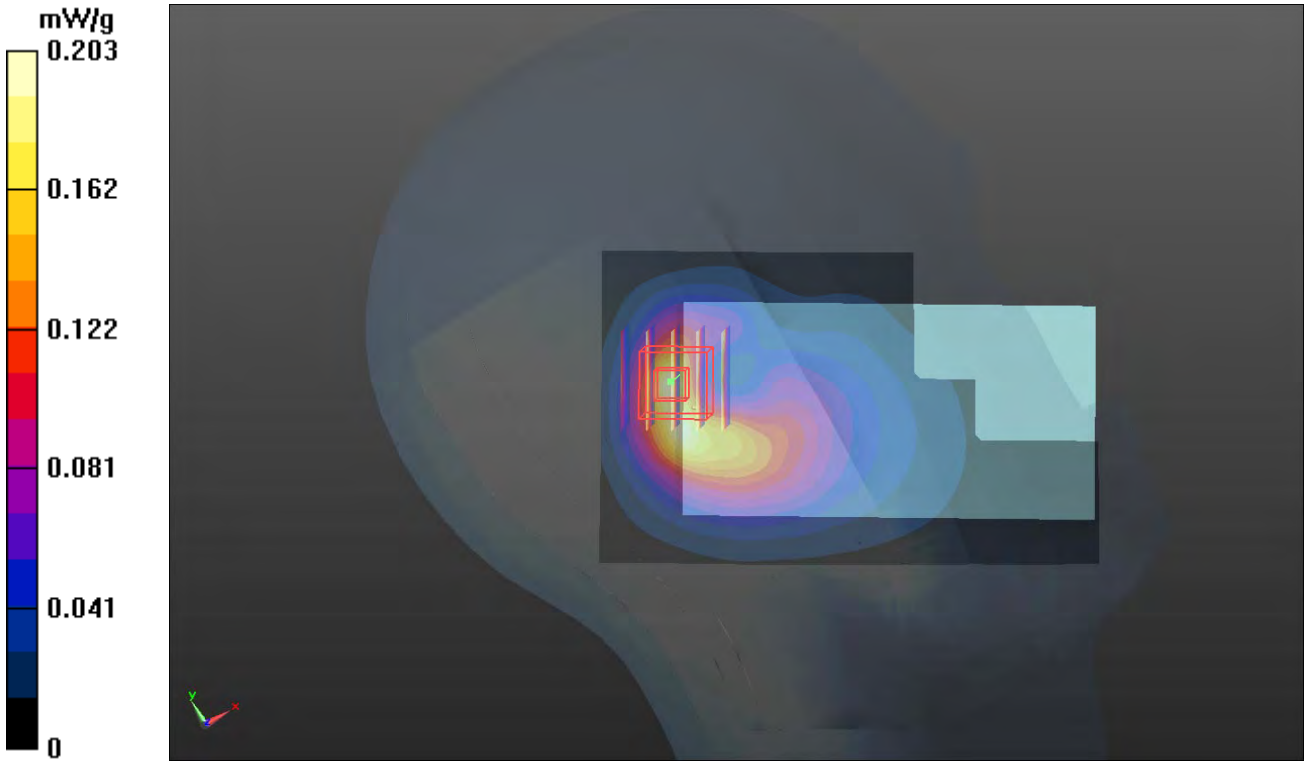
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.203 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.074 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.4530
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.330 mW/g



P221 LTE XVII_16QAM_10M_Right Cheek_Ch23800_Battery1_1RB_Offset 0

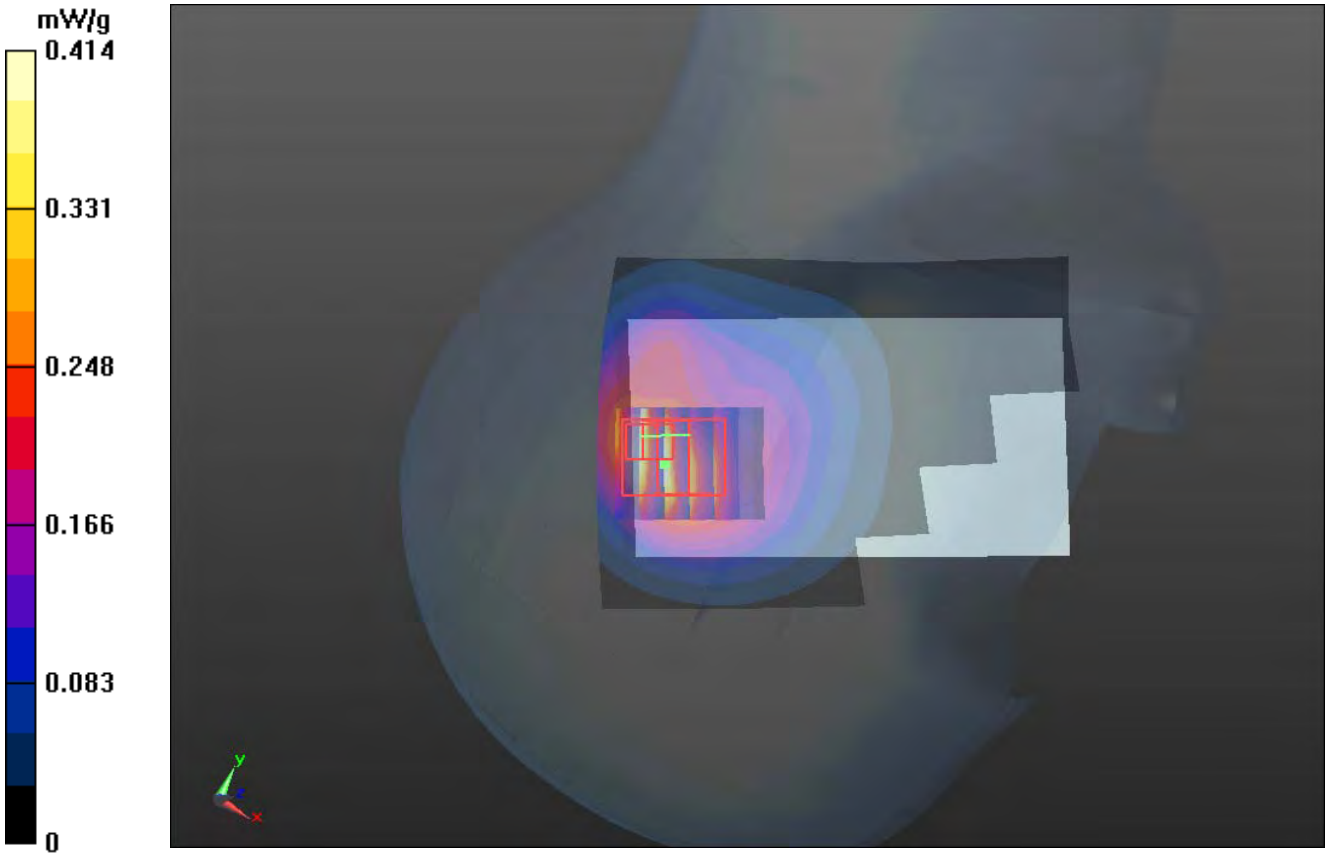
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.414 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.117 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.6700
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.485 mW/g



P210 LTE XVII_QPSK_10M_Right Cheek_Ch23800_Battery2_1RB_Offset 0

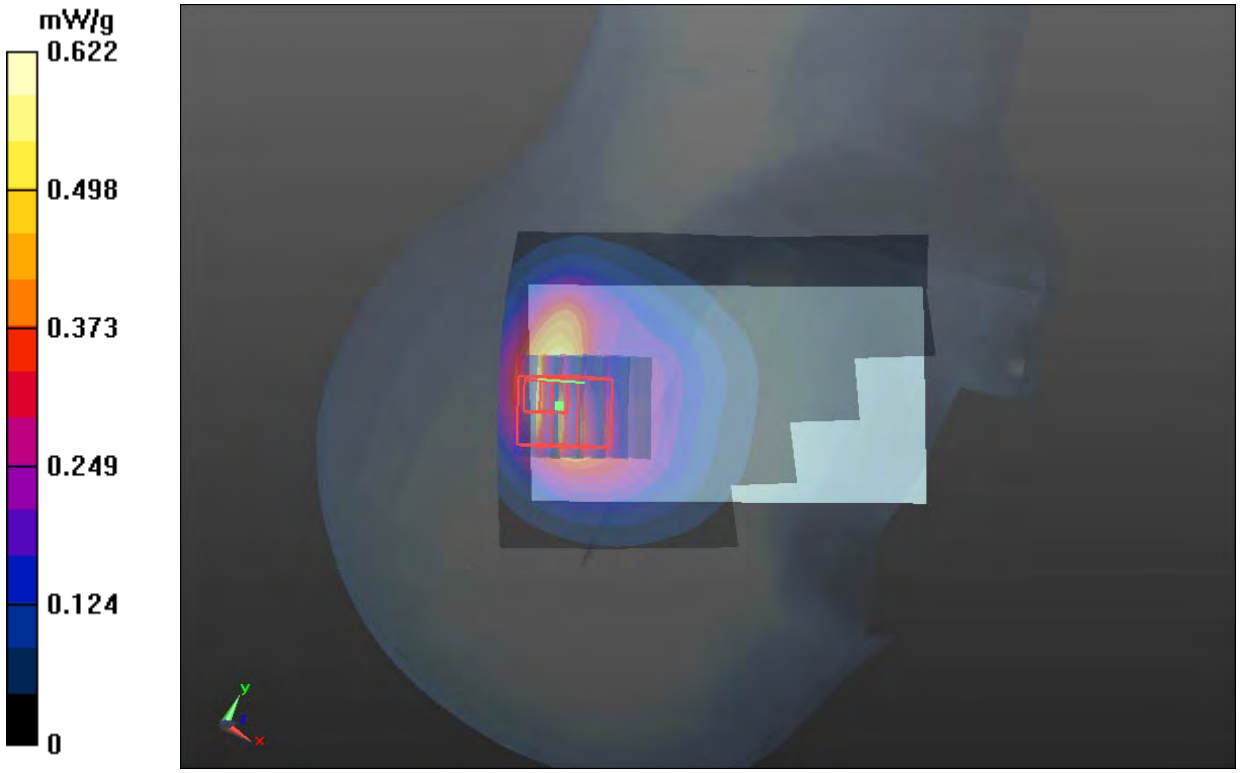
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0113 Medium parameters used: f = 711 MHz; σ = 0.857 mho/m; ε_r = 42.067; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.622 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.289 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.7990
SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.231 mW/g
Maximum value of SAR (measured) = 0.600 mW/g



P211 LTE XVII_QPSK_10M_Right Cheek_Ch23800_Battery1_1RB_Offset 49

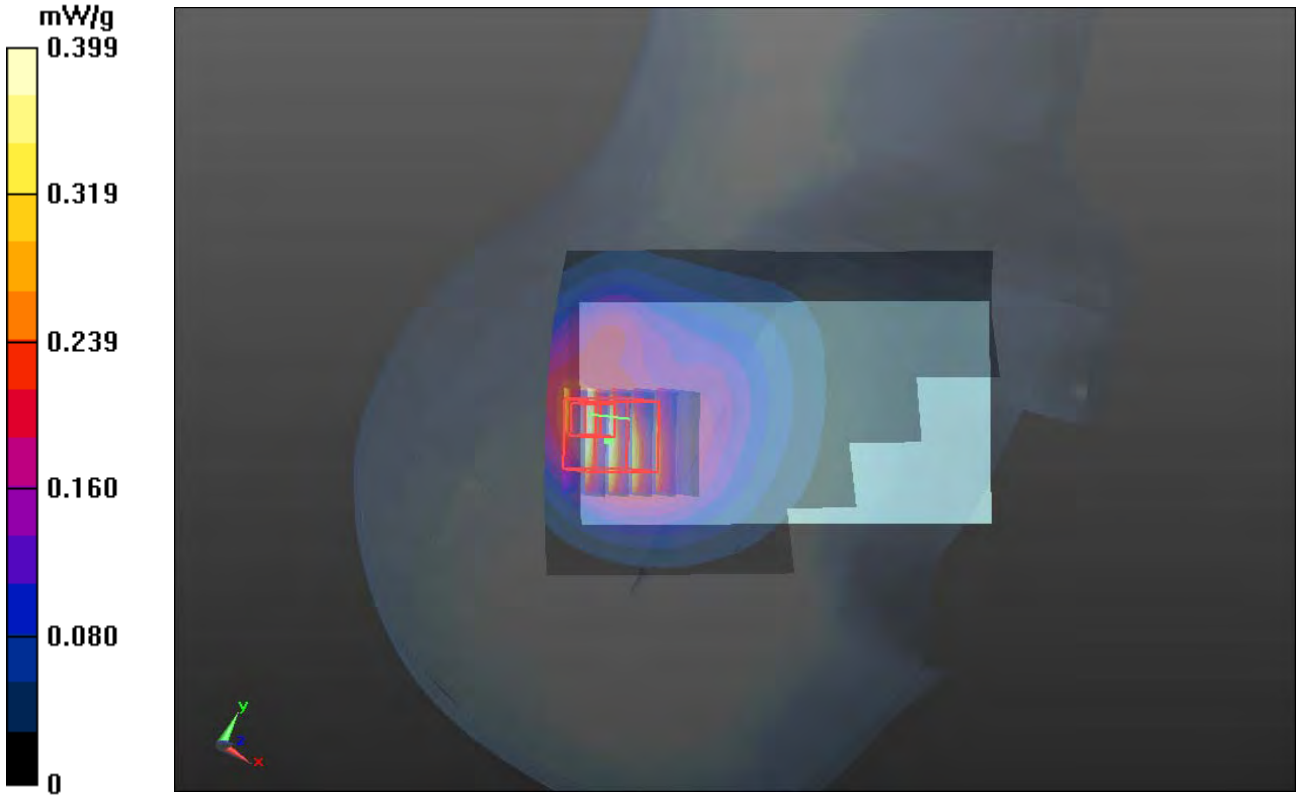
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.399 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.554 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.6440
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 0.472 mW/g



P212 LTE XVII_QPSK_10M_Right Tilted_Ch23800_Battery1_1RB_Offset 49

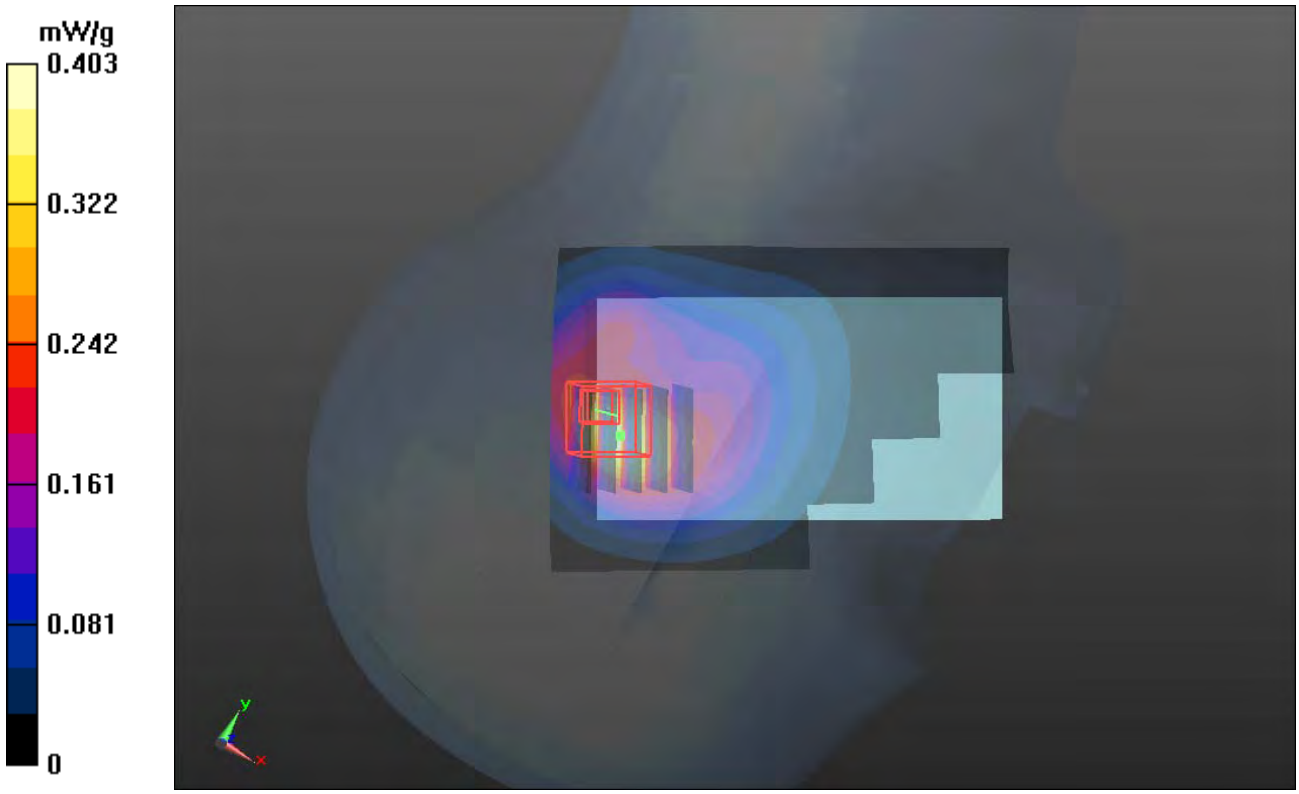
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.403 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.589 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.6610
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 0.469 mW/g



P213 LTE XVII_QPSK_10M_Left Cheek_Ch23800_Battery1_1RB_Offset 49

DUT: 111130C18

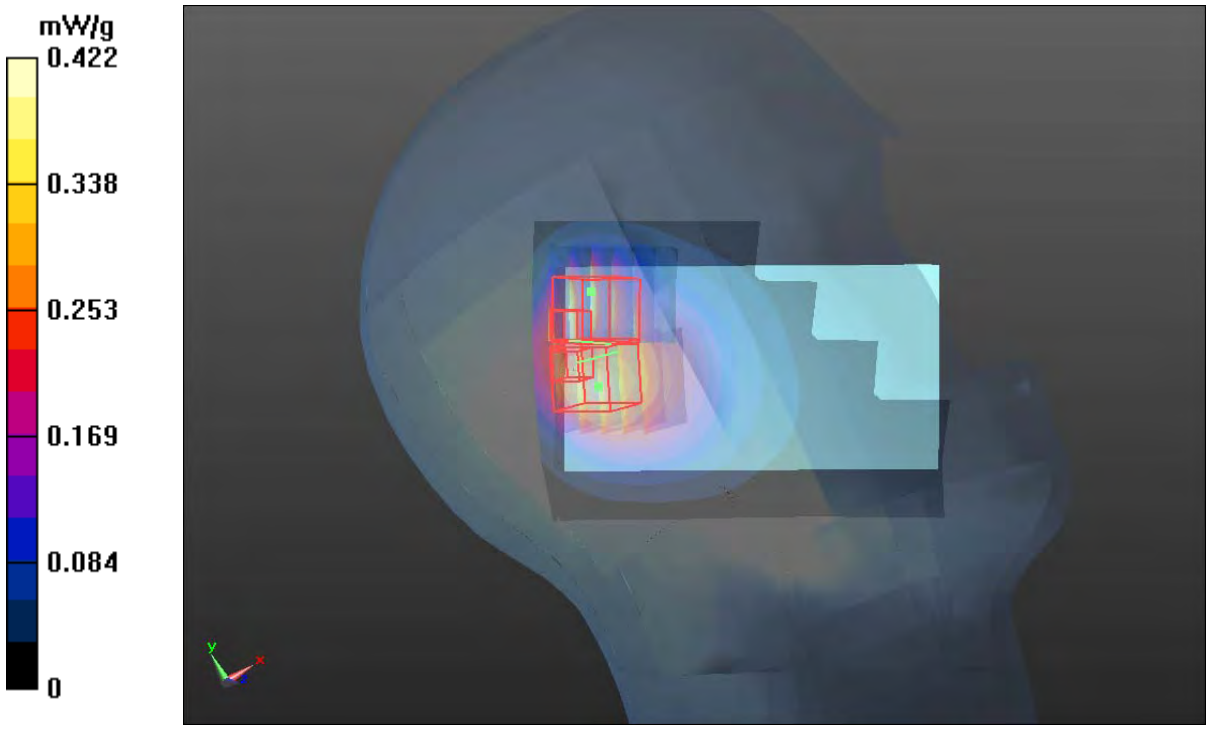
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.422 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.637 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.7720
SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.512 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.637 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.7190
SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.161 mW/g
Maximum value of SAR (measured) = 0.498 mW/g



P214 LTE XVII_QPSK_10M_Left Tilted_Ch23800_Battery1_1RB_Offset 49

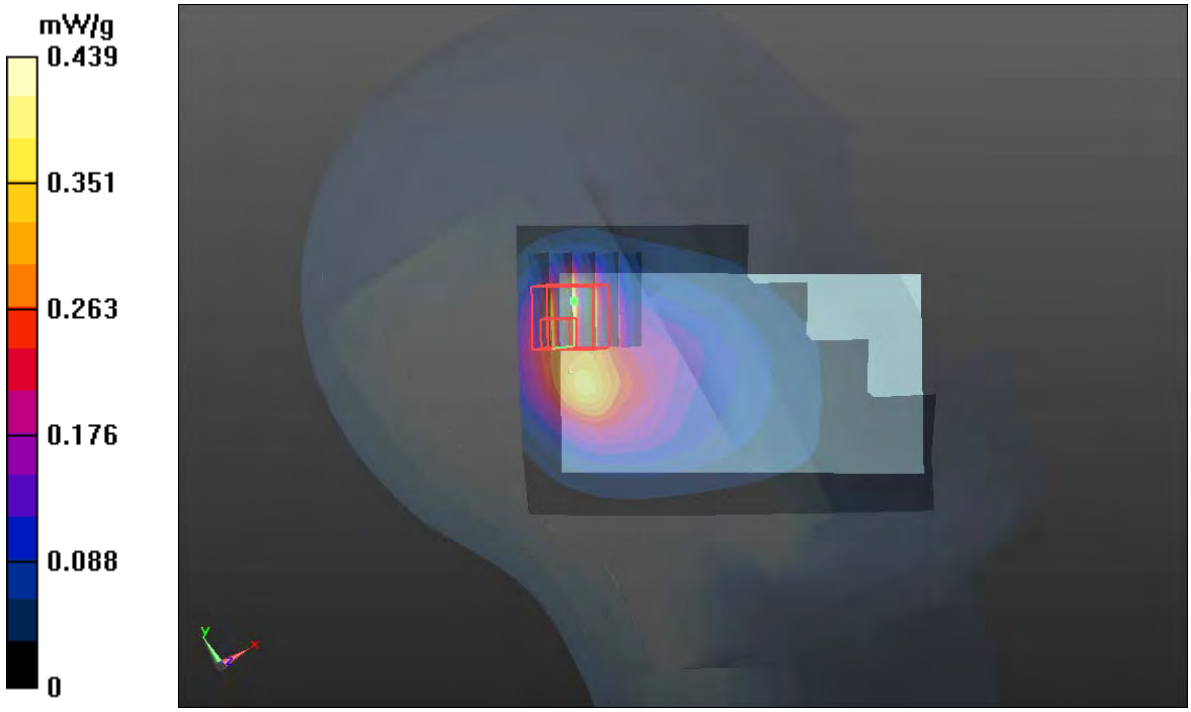
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.439 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.597 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.8490
SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 0.546 mW/g



P228 LTE XVII_16QAM_10M_Left Cheek_Ch23800_Battery1_1RB_Offset 49

DUT: 111130C18

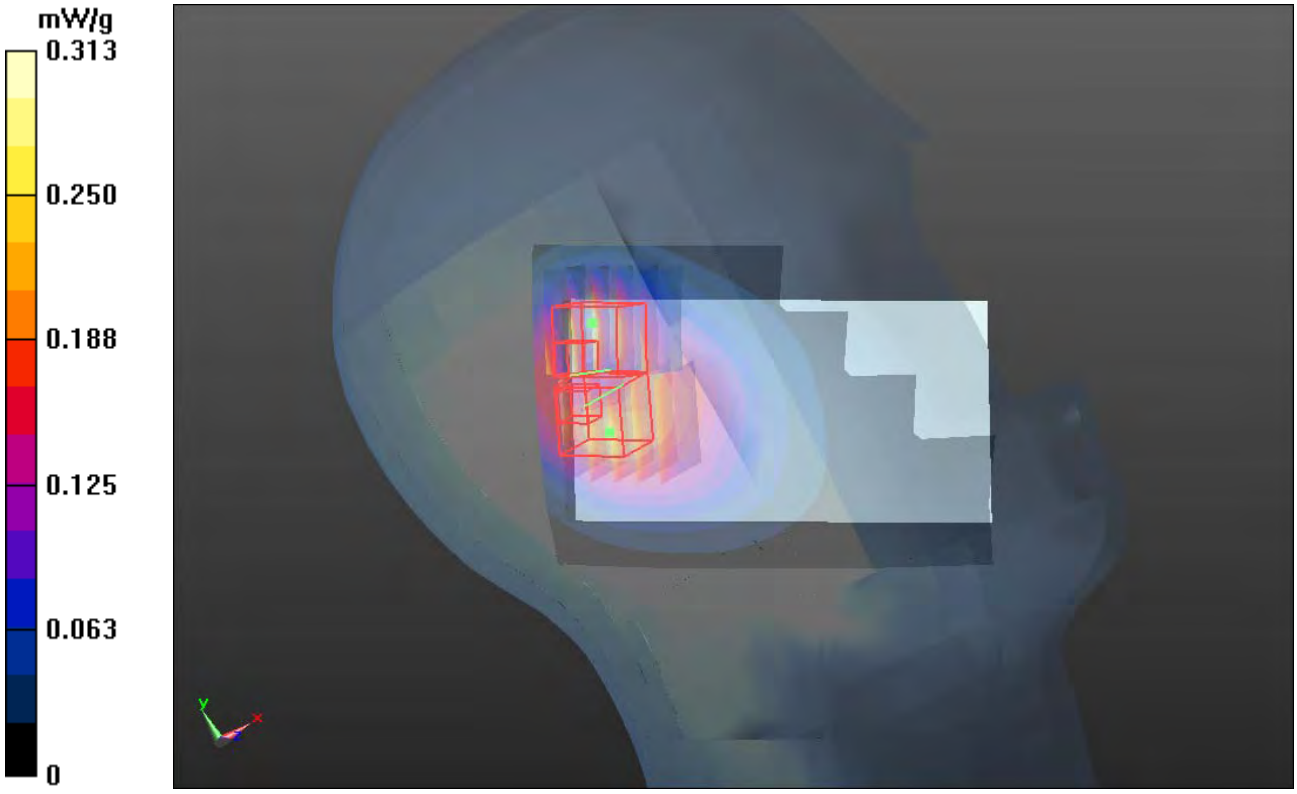
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750_0110 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.76; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.313 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.875 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.5260
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.364 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.875 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.4860
SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.114 mW/g
Maximum value of SAR (measured) = 0.345 mW/g



P55 GSM850_GPRS10_Front Face_1cm_Ch128

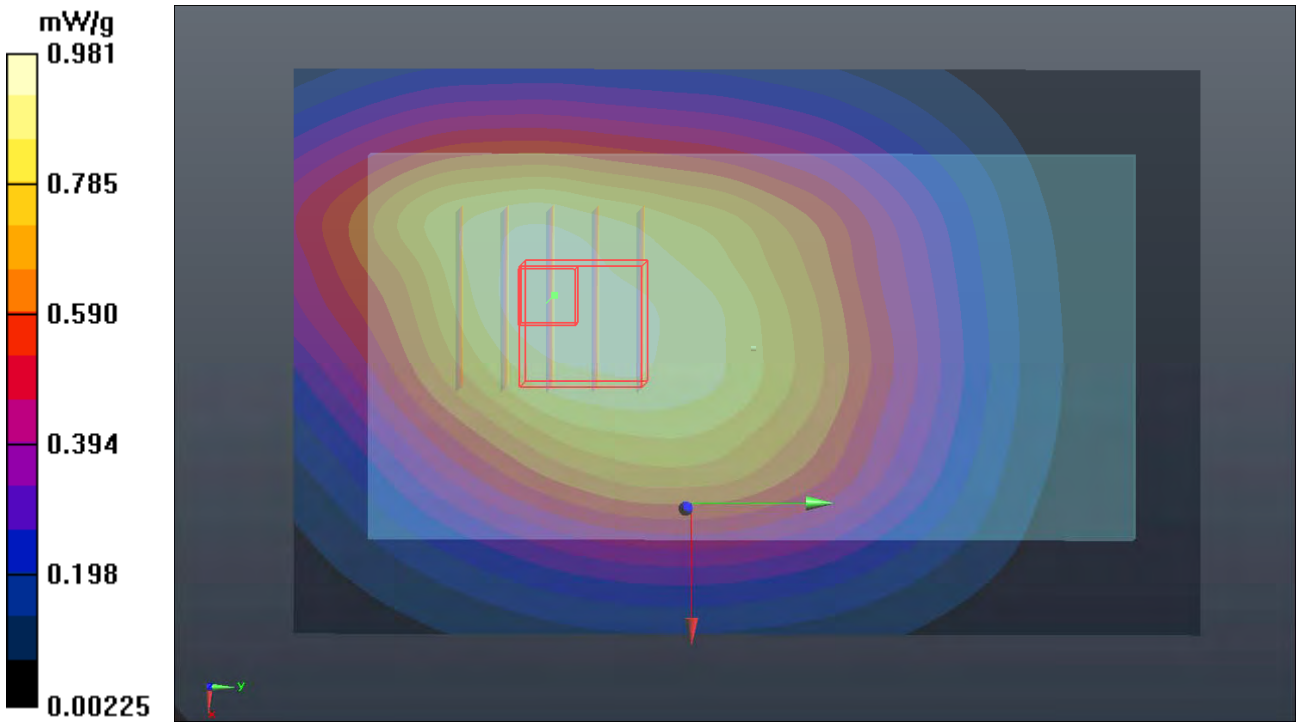
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used : f = 824.2 MHz; σ = 0.98 mho/m; ε_r = 55.169; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.981 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.955 V/m; Power Drift = -0.151 dB
Peak SAR (extrapolated) = 1.0270
SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.612 mW/g
Maximum value of SAR (measured) = 0.917 mW/g



P56 GSM850_GPRS10_Rear Face_1cm_Ch128

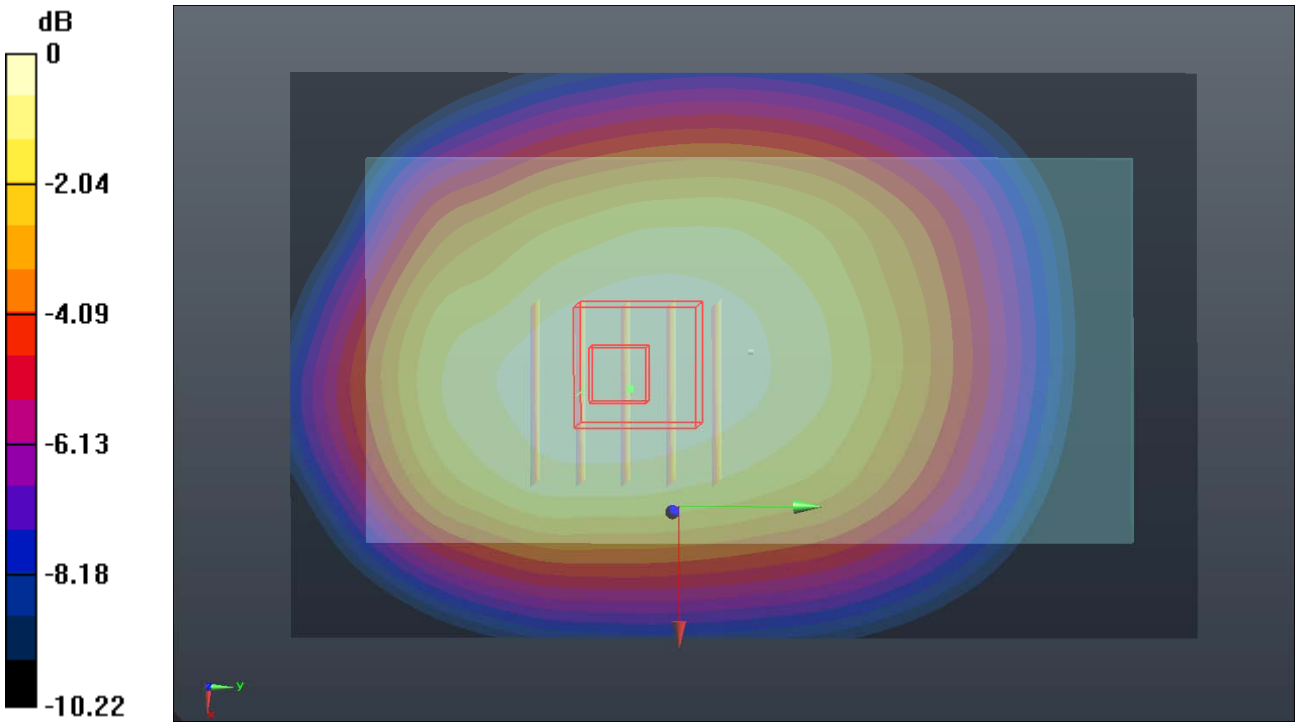
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used : f = 824.2 MHz; σ = 0.98 mho/m; ε_r = 55.169; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.293 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.690 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.4340
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.828 mW/g
Maximum value of SAR (measured) = 1.272 mW/g



P57 GSM850_GPRS10_Bottom Side_1cm_Ch128

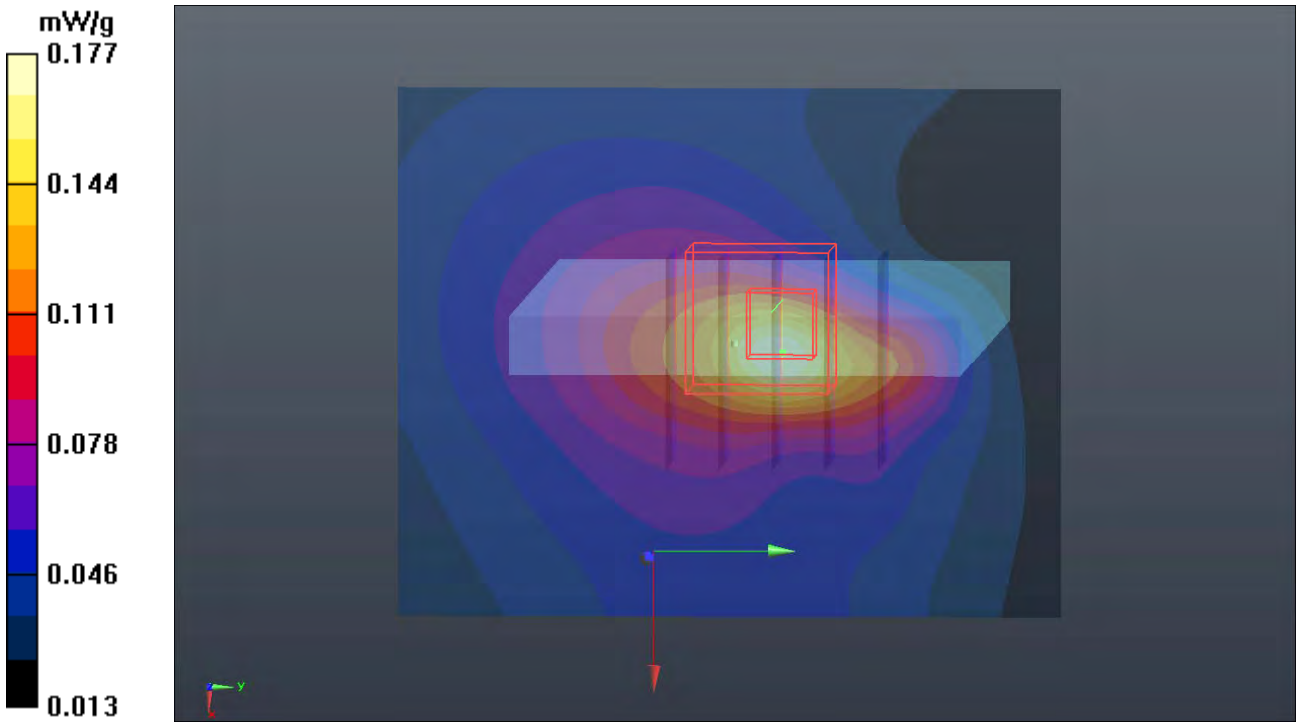
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used : f = 824.2 MHz; σ = 0.98 mho/m; ε_r = 55.169; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch251/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.177 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.750 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.2420
SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.171 mW/g



P58 GSM850_GPRS10_Left Side_1cm_Ch128

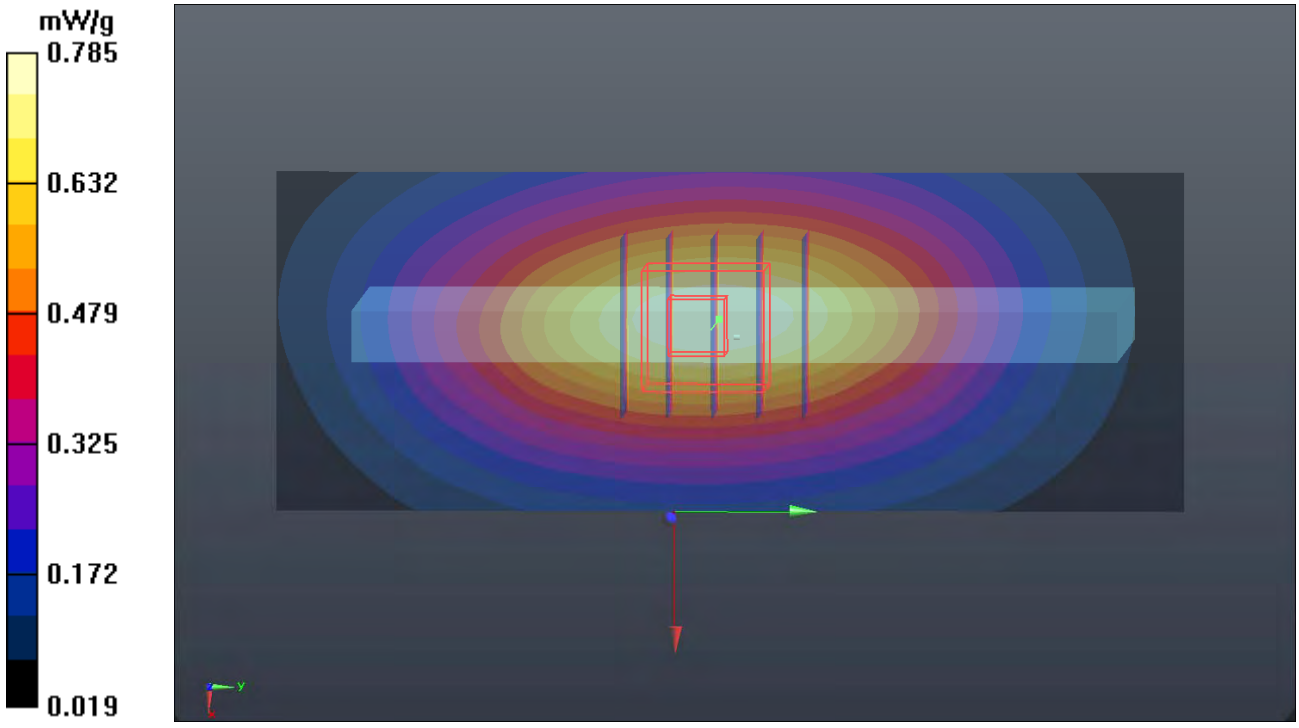
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used : f = 824.2 MHz; σ = 0.98 mho/m; ε_r = 55.169; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.785 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.785 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.8940
SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.449 mW/g
Maximum value of SAR (measured) = 0.787 mW/g



P59 GSM850_GPRS10_Right Side_1cm_Ch128

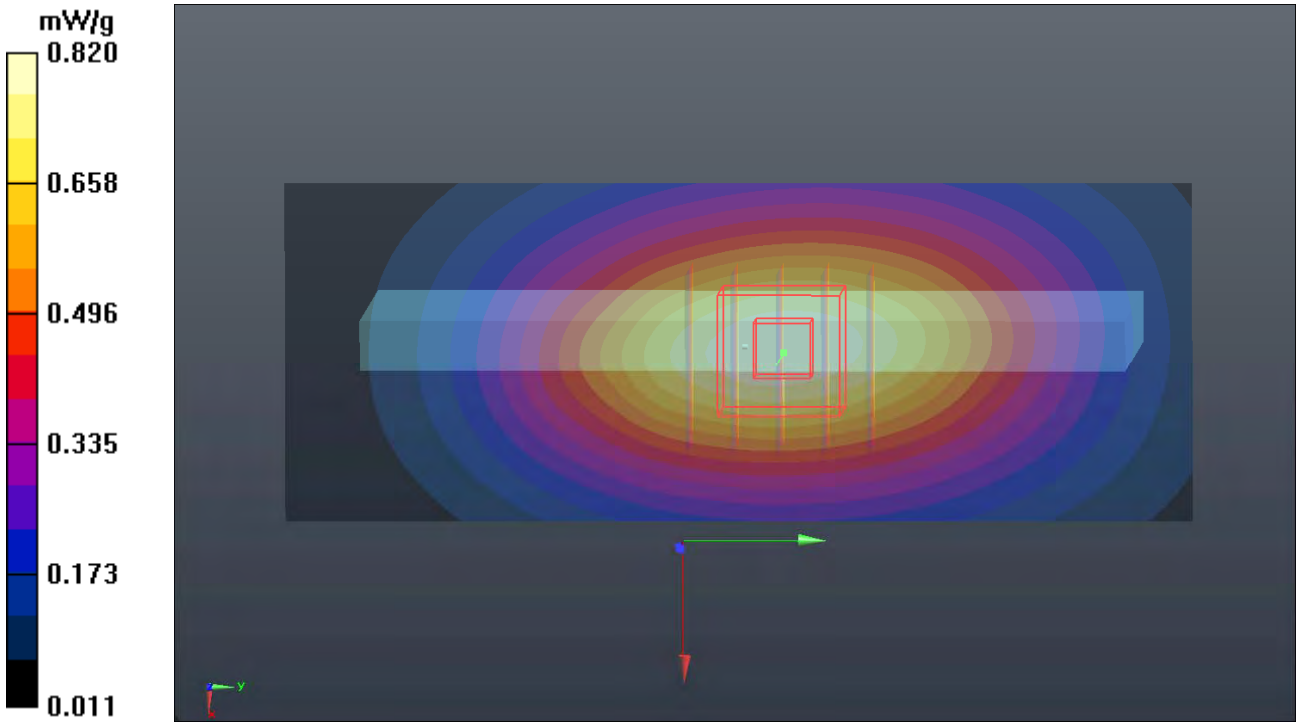
DUT: 111130C18

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used : f = 824.2 MHz; σ = 0.98 mho/m; ε_r = 55.169; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.820 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.567 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.9490
SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.480 mW/g
Maximum value of SAR (measured) = 0.831 mW/g



P94 GSM850_GPRS10_Rear Face_1cm_Ch189

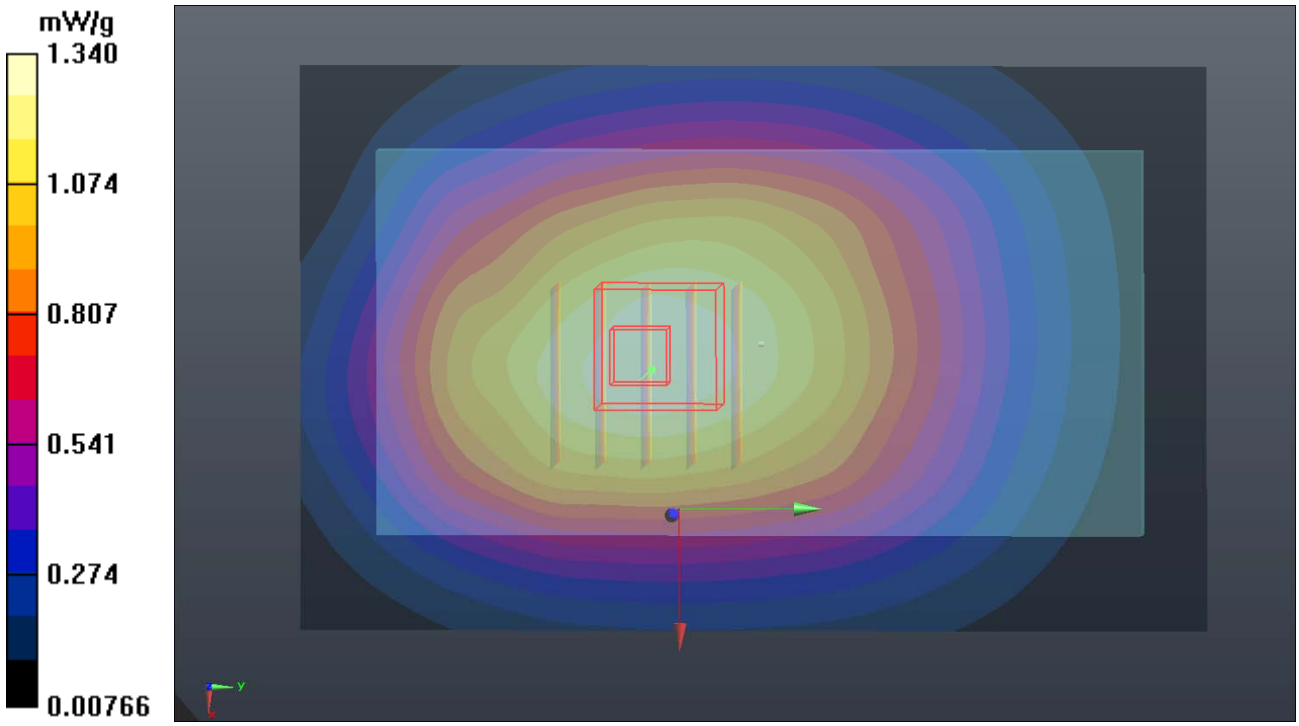
DUT: 111130C18

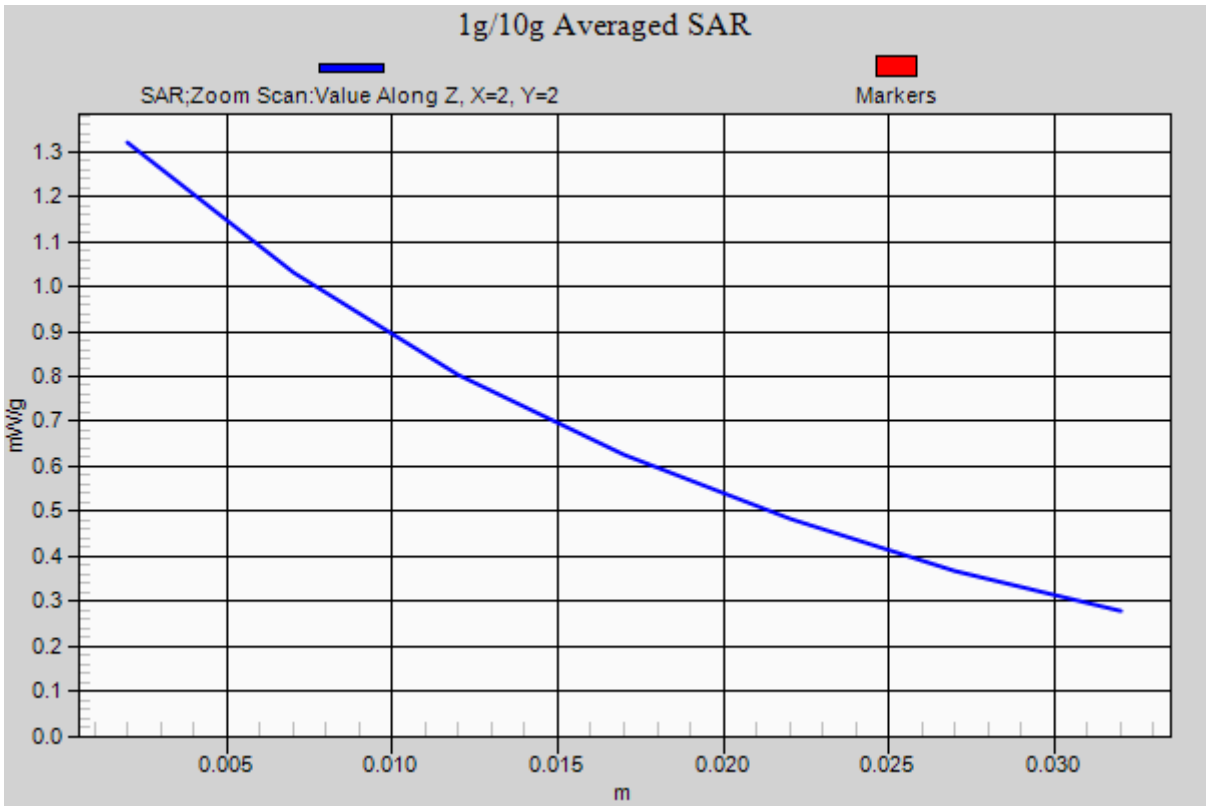
Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used : f = 836.4 MHz; σ = 0.996 mho/m; ε_r = 55.041; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch189/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.340 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 35.385 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.4700
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.871 mW/g
Maximum value of SAR (measured) = 1.320 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
1.3
1.2
1.1
1.0
0.9
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

P95 GSM850_GPRS10_Rear Face_1cm_Ch251

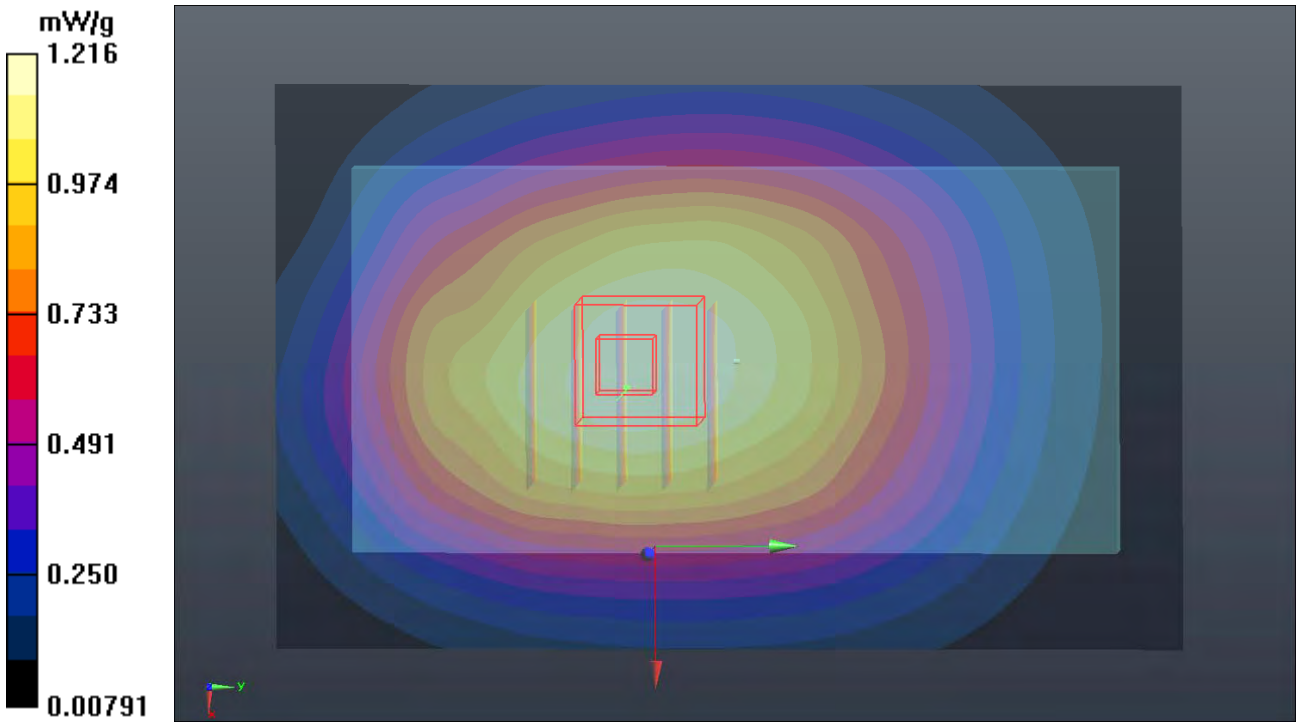
DUT: 111130C18

Communication System: GPRS10; Frequency: 848.8 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used: f = 849 MHz; σ = 1.012 mho/m; ε_r = 54.952; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch251/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.216 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.986 V/m; Power Drift = 0.0055 dB
Peak SAR (extrapolated) = 1.3620
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.806 mW/g
Maximum value of SAR (measured) = 1.220 mW/g



P67 GSM850_GPRS10_Rear Face_1cm_Ch189_Earphone

DUT: 111130C18

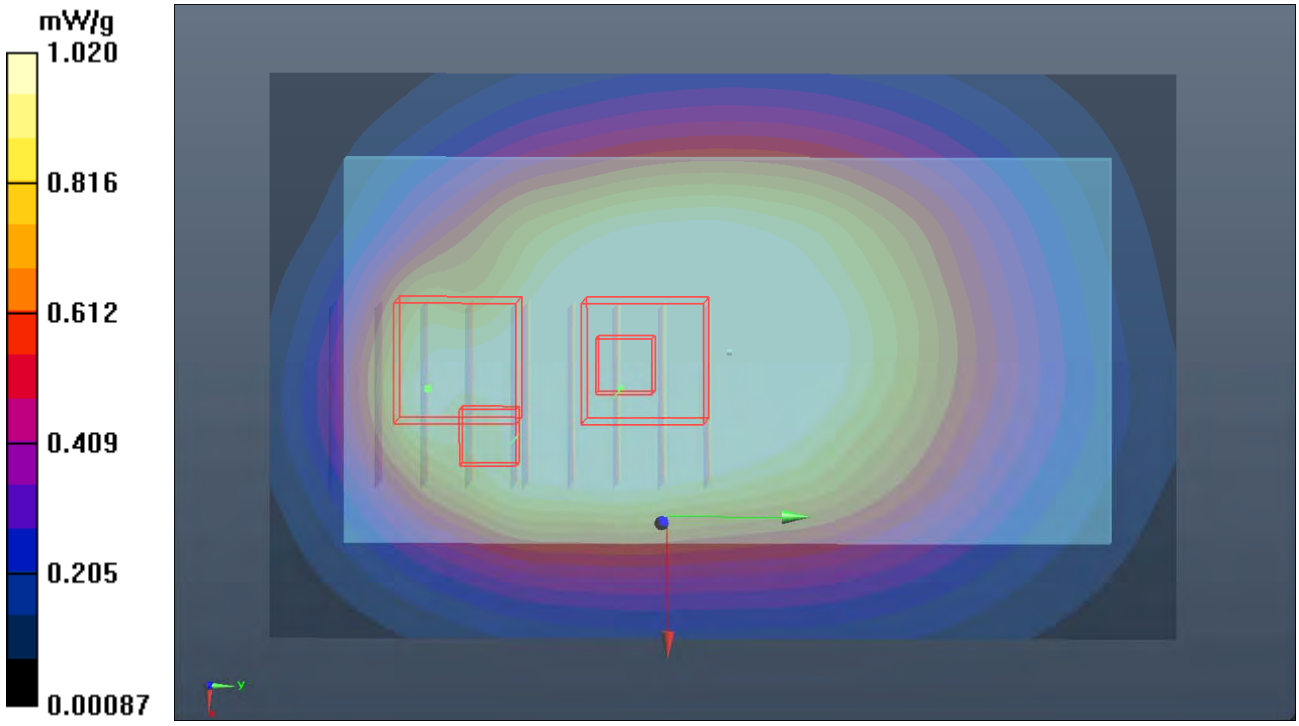
Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used : f = 836.4 MHz; σ = 0.996 mho/m; ε_r = 55.041; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch189/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.351 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.097 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 1.4390
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.821 mW/g
Maximum value of SAR (measured) = 1.271 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.097 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 1.2230
SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.441 mW/g
Maximum value of SAR (measured) = 1.020 mW/g



P96 GSM850_GPRS10_Rear Face_1cm_Ch128_Earphone

DUT: 111130C18

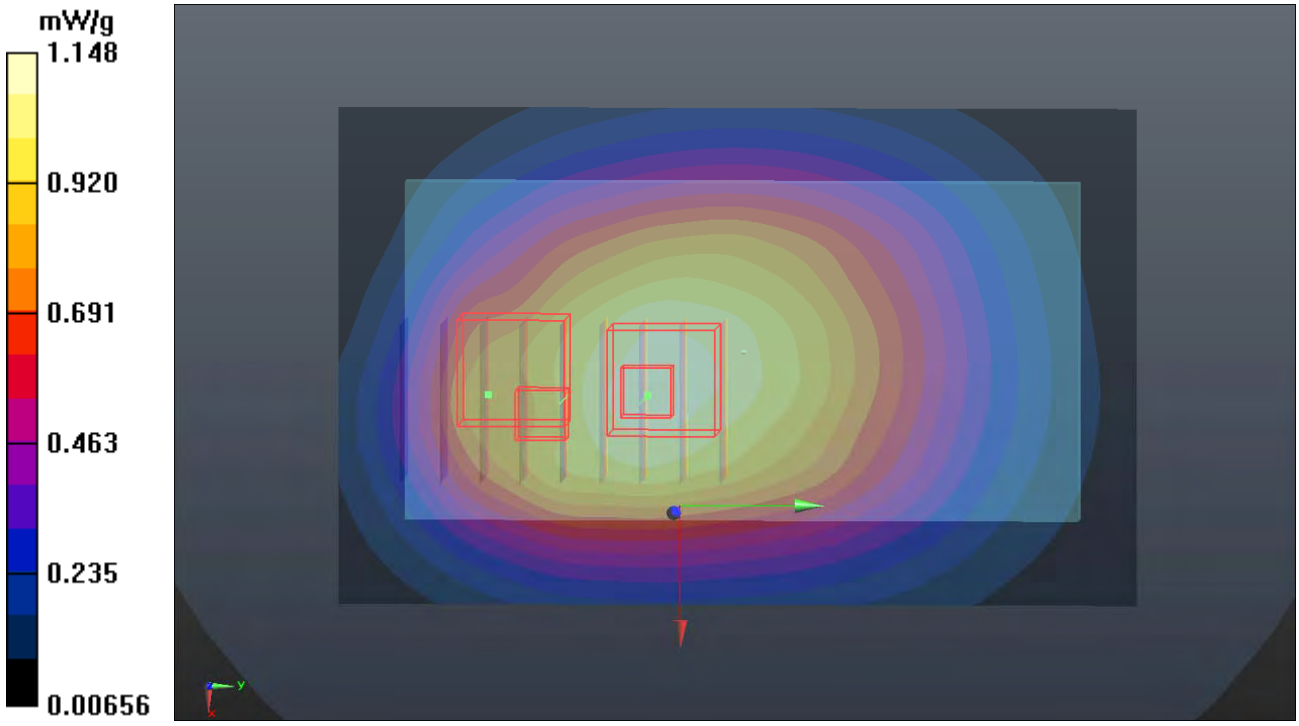
Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used : f = 824.2 MHz; σ = 0.98 mho/m; ε_r = 55.169; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.148 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.732 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.2650
SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.729 mW/g
Maximum value of SAR (measured) = 1.115 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.732 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.1540
SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.451 mW/g
Maximum value of SAR (measured) = 0.987 mW/g



P97 GSM850_GPRS10_Rear Face_1cm_Ch251_Earphone

DUT: 111130C18

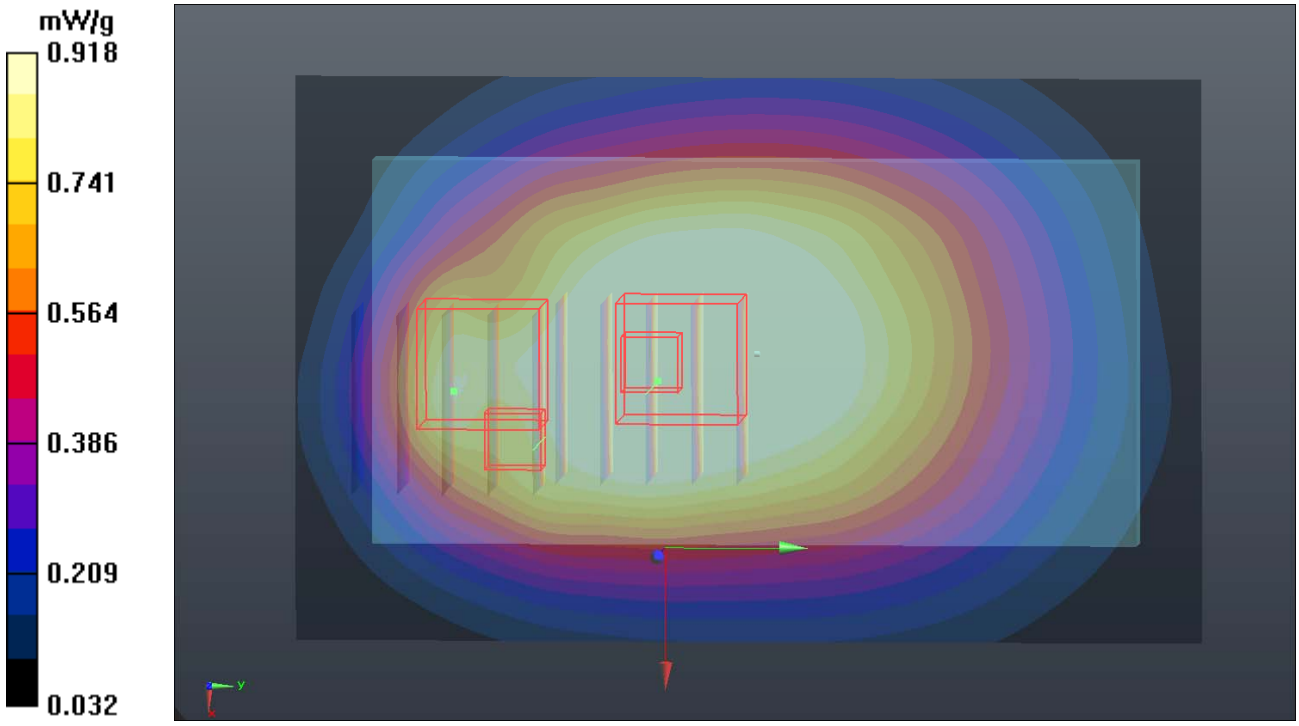
Communication System: GPRS10; Frequency: 848.8 MHz;Duty Cycle: 1:4.00037
Medium: B835_1230 Medium parameters used: f = 849 MHz; σ = 1.012 mho/m; ε_r = 54.952; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch251/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.152 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.907 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.2980
SAR(1 g) = 0.987 mW/g; SAR(10 g) = 0.723 mW/g
Maximum value of SAR (measured) = 1.144 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.907 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.1050
SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.399 mW/g
Maximum value of SAR (measured) = 0.918 mW/g



P68 GSM850_GPRS10_Rear Face_1cm_Ch189_Battery2

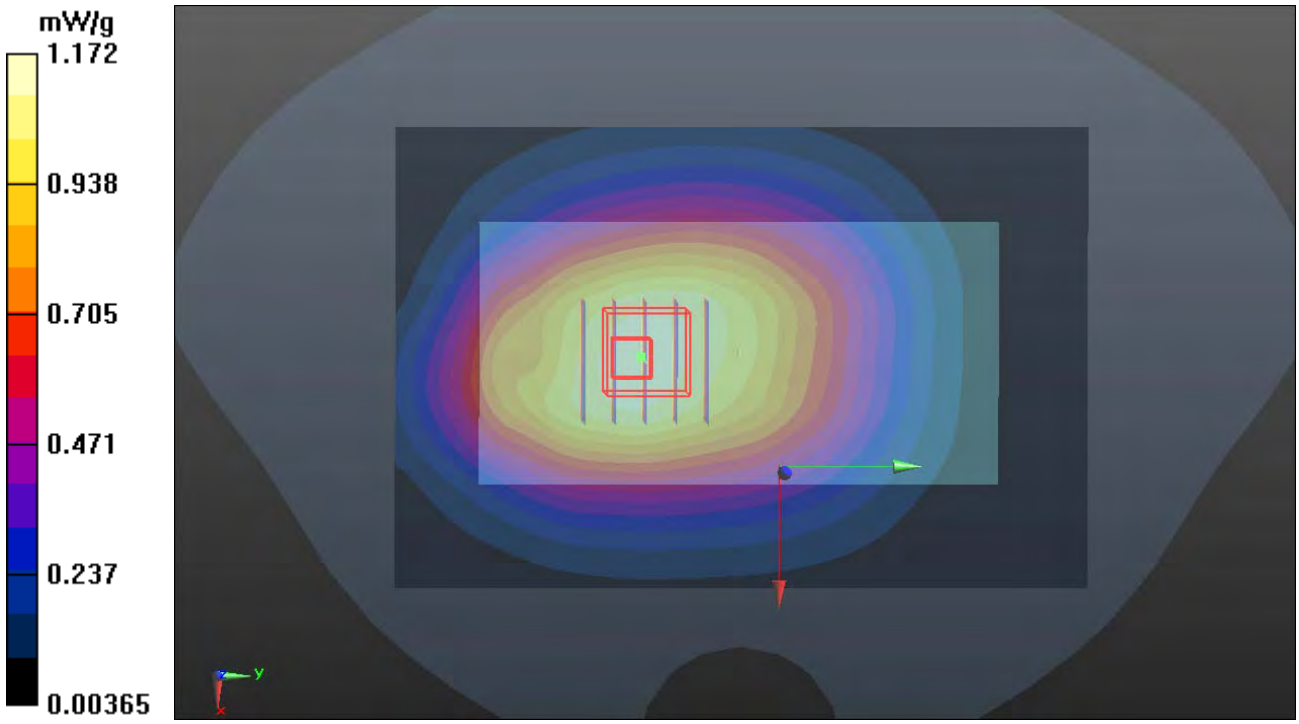
DUT: 111130C18

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_0114 Medium parameters used : f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.451; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch189/Area Scan (61x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.172 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.405 V/m; Power Drift = 0.125 dB
Peak SAR (extrapolated) = 1.3090
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.786 mW/g
Maximum value of SAR (measured) = 1.177 mW/g



P82 GSM1900_GPRS10_Front Face_1cm_Ch512

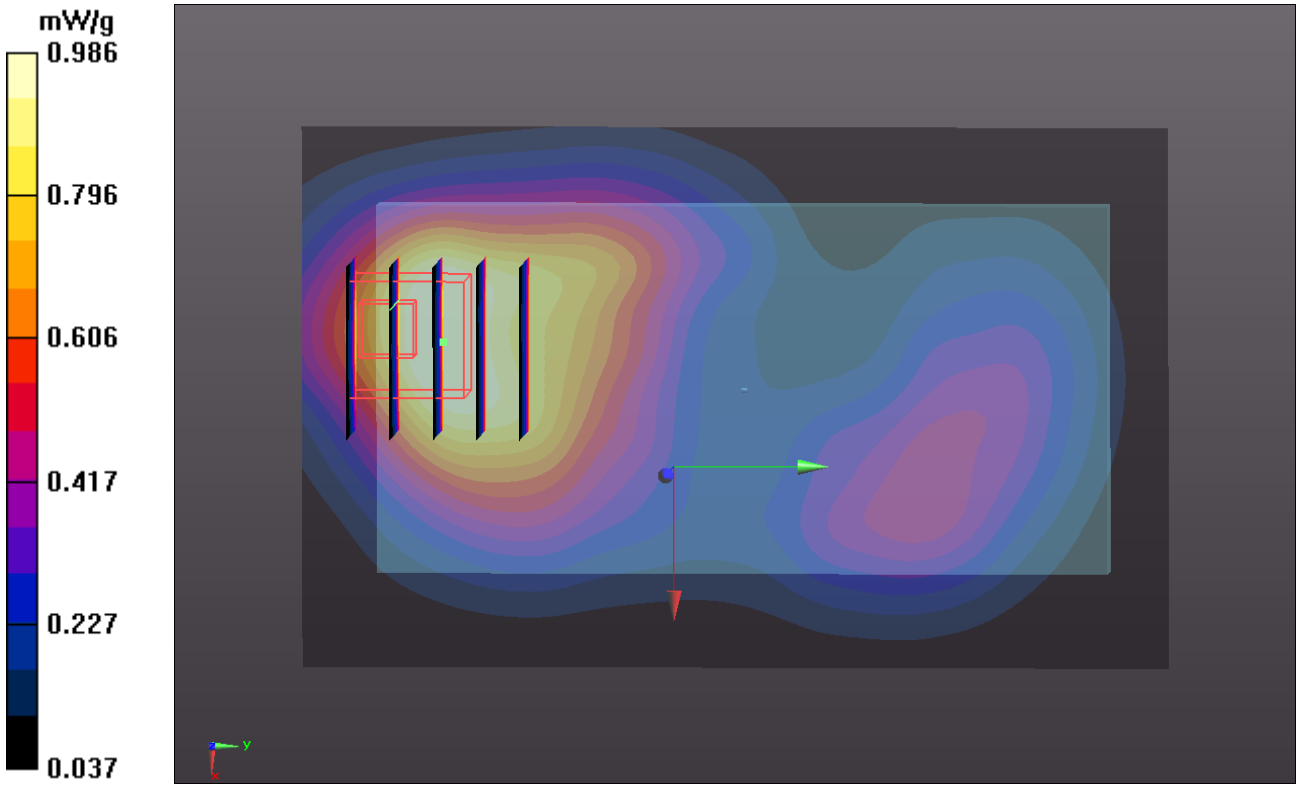
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: B1900_1230 Medium parameters used : f = 1850.2 MHz; σ = 1.491 mho/m; ε_r = 52.547; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.077 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.806 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.2640
SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.445 mW/g
Maximum value of SAR (measured) = 0.986 mW/g



P83 GSM1900_GPRS10_Rear Face_1cm_Ch512

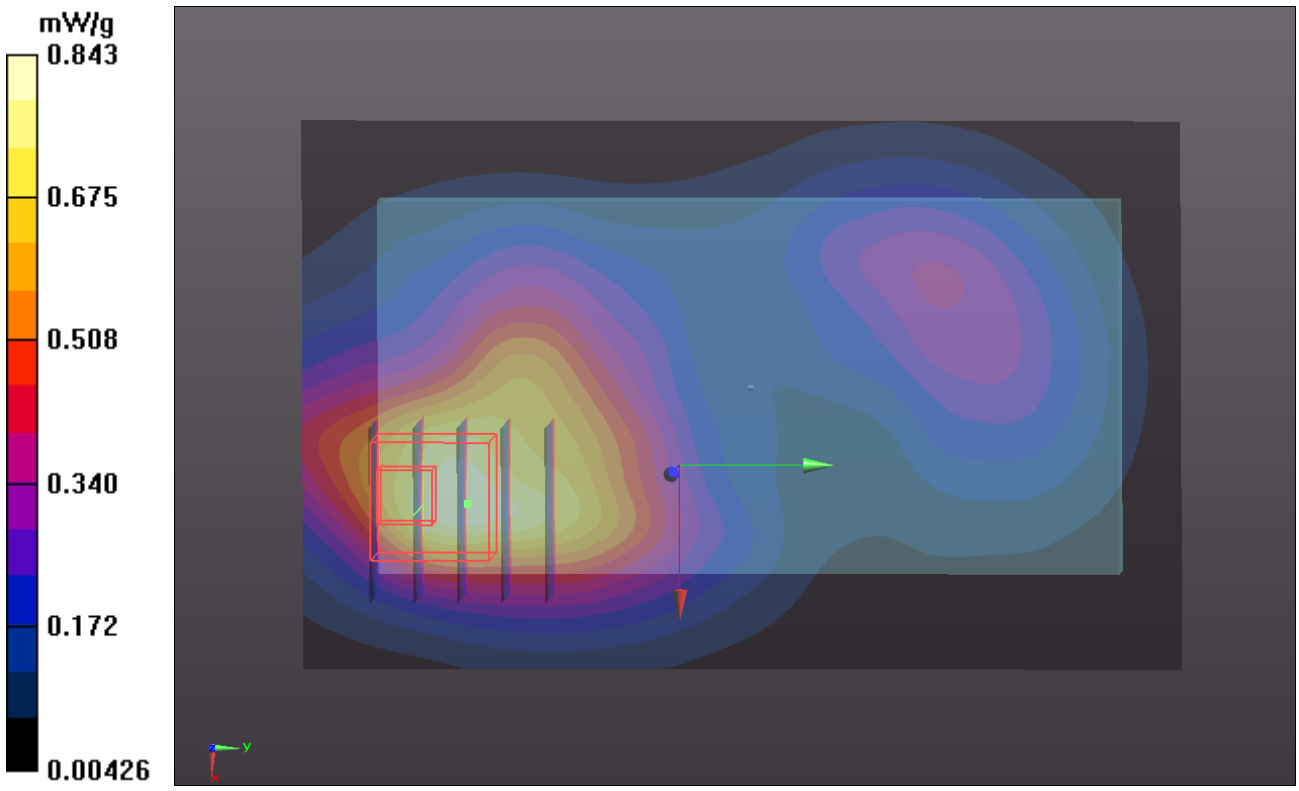
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: B1900_1230 Medium parameters used : f = 1850.2 MHz; σ = 1.491 mho/m; ε_r = 52.547; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.843 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.126 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.1150
SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.373 mW/g
Maximum value of SAR (measured) = 0.892 mW/g



P84 GSM1900_GPRS10_Bottom Side_1cm_Ch512

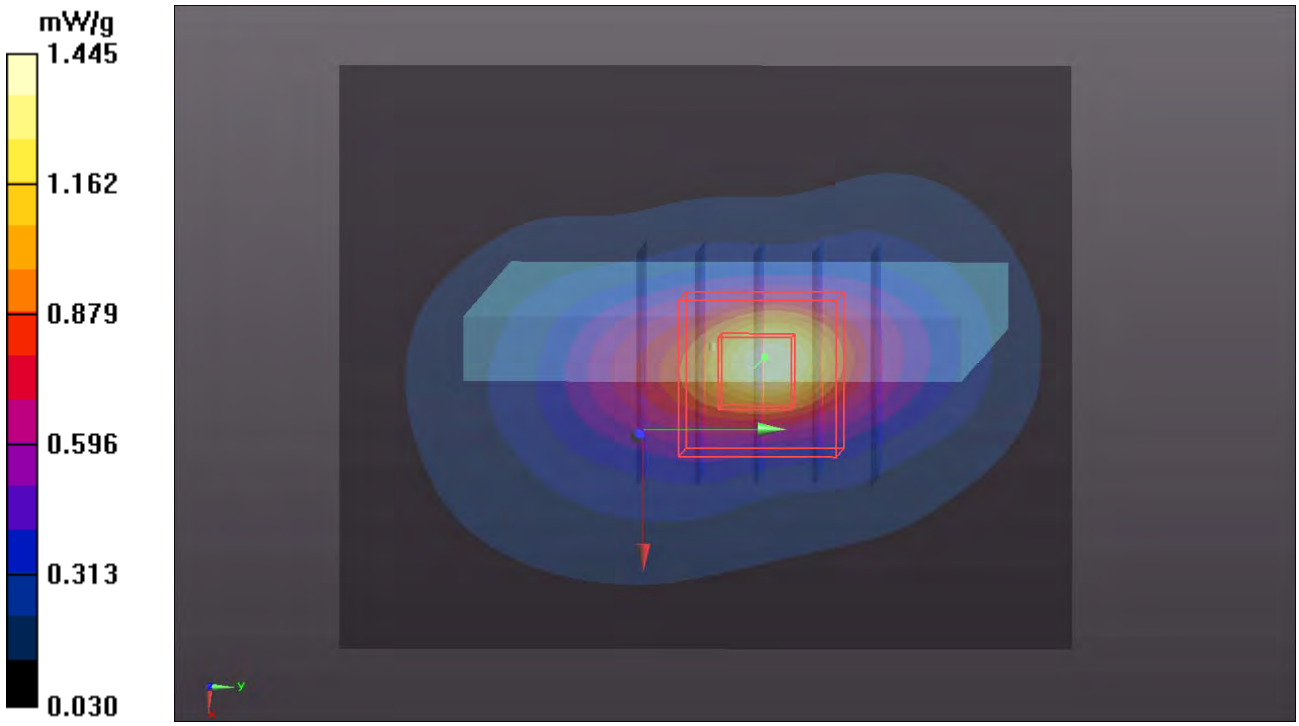
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: B1900_1230 Medium parameters used : f = 1850.2 MHz; σ = 1.491 mho/m; ε_r = 52.547; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.445 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.477 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.8420
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.506 mW/g
Maximum value of SAR (measured) = 1.442 mW/g



P85 GSM1900_GPRS10_Left Side_1cm_Ch512

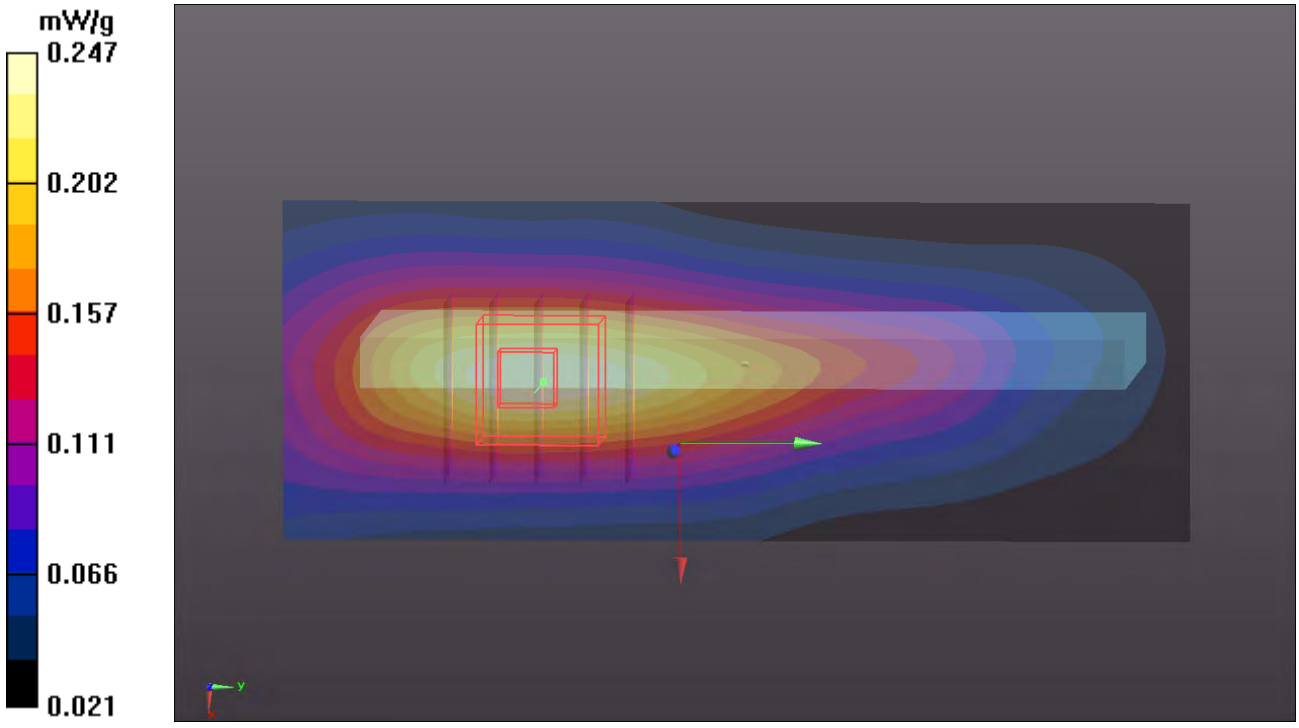
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: B1900_1230 Medium parameters used : f = 1850.2 MHz; σ = 1.491 mho/m; ε_r = 52.547; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.247 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.604 V/m; Power Drift = -0.0022 dB
Peak SAR (extrapolated) = 0.3170
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.258 mW/g



P86 GSM1900_GPRS10_Right Side_1cm_Ch512

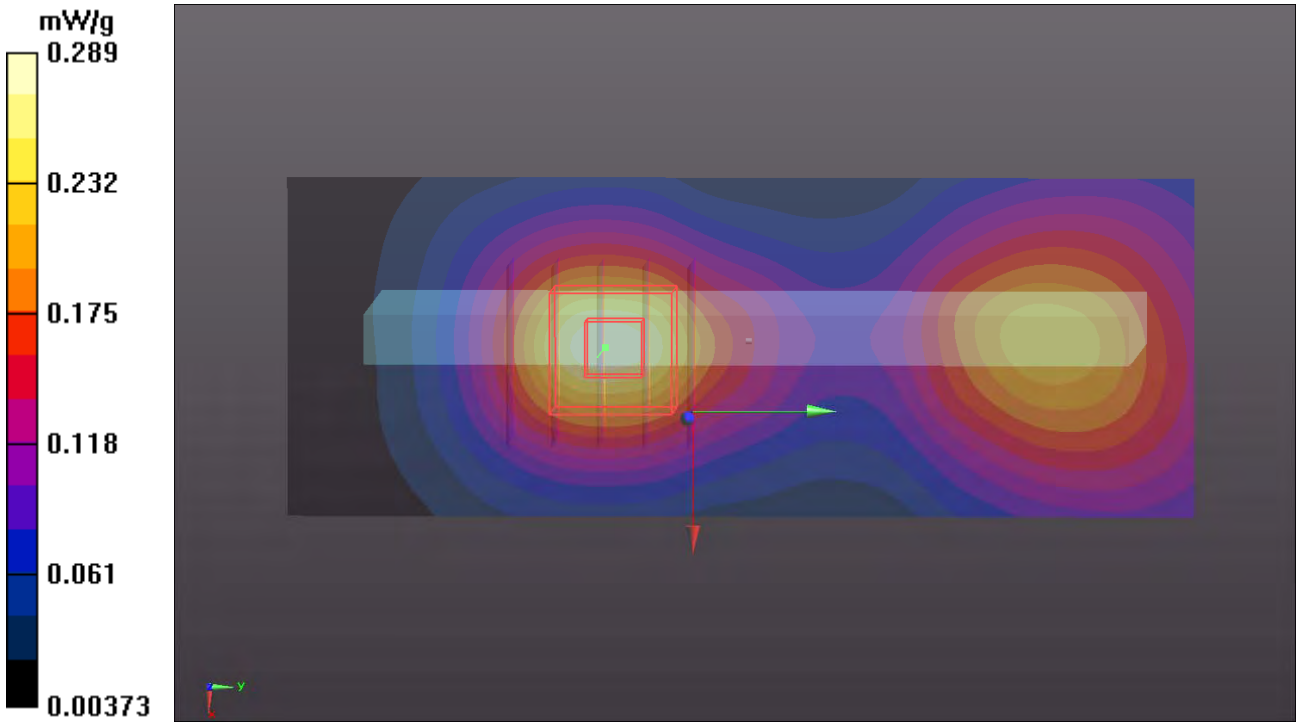
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: B1900_1230 Medium parameters used : f = 1850.2 MHz; σ = 1.491 mho/m; ε_r = 52.547; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.289 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.947 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.3540
SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.290 mW/g



P92 GSM1900_GPRS10_Bottom Side_1cm_Ch661

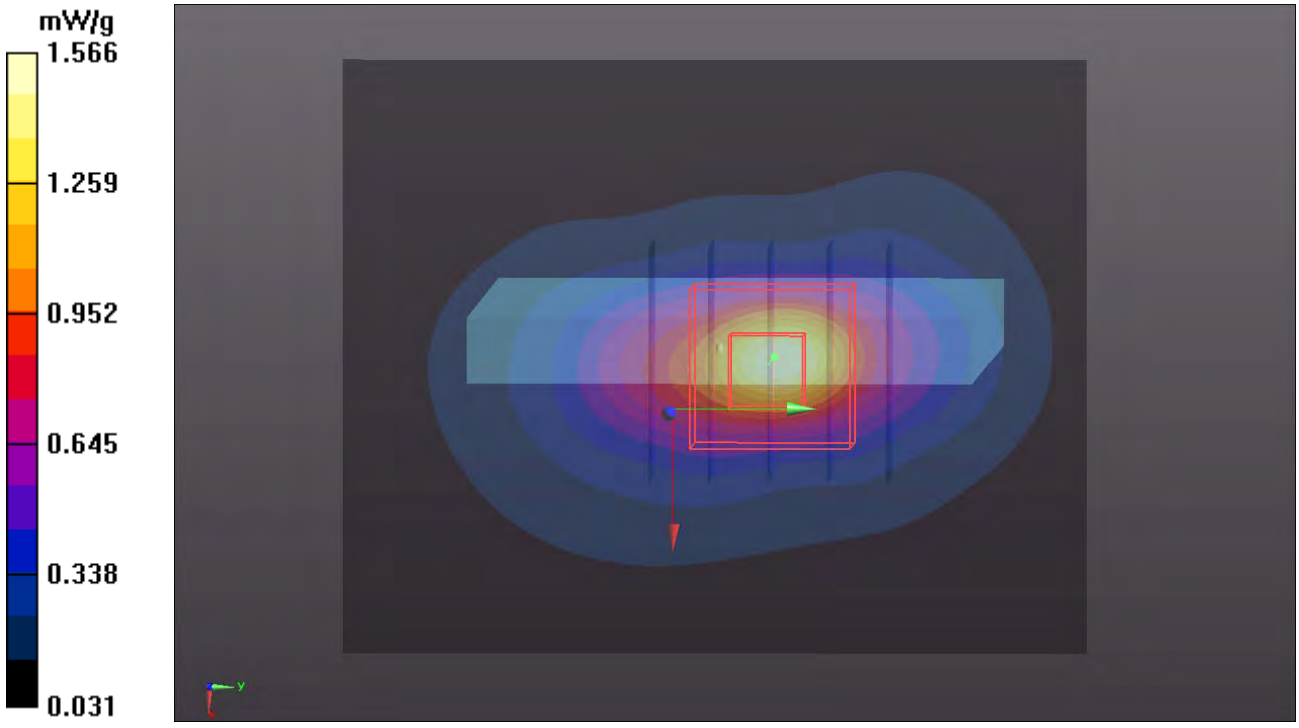
DUT: 111130C18

Communication System: GPRS10; Frequency: 1880 MHz;Duty Cycle: 1:4.00037
Medium: B1900_1230 Medium parameters used: f = 1880.1 MHz; σ = 1.524 mho/m; ε_r = 52.458; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch661/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.566 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.336 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.0150
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.551 mW/g
Maximum value of SAR (measured) = 1.596 mW/g



P93 GSM1900_GPRS10_Bottom Side_1cm_Ch810

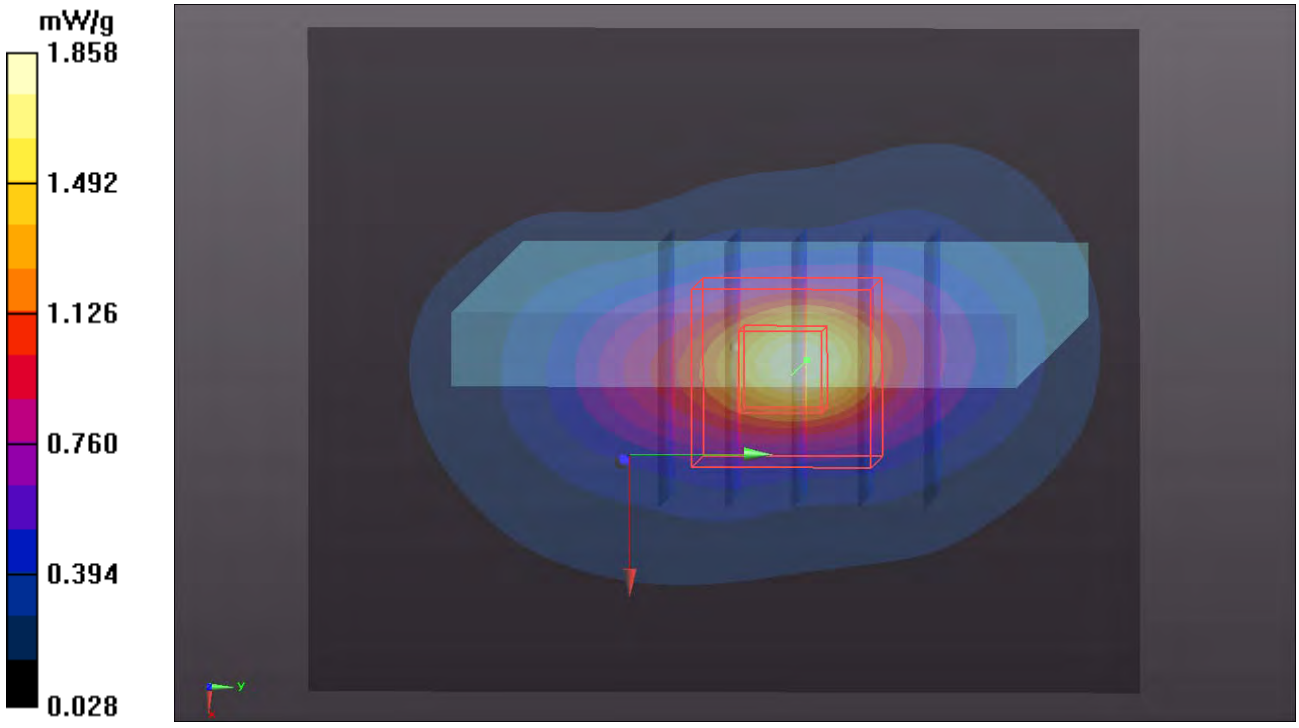
DUT: 111130C18

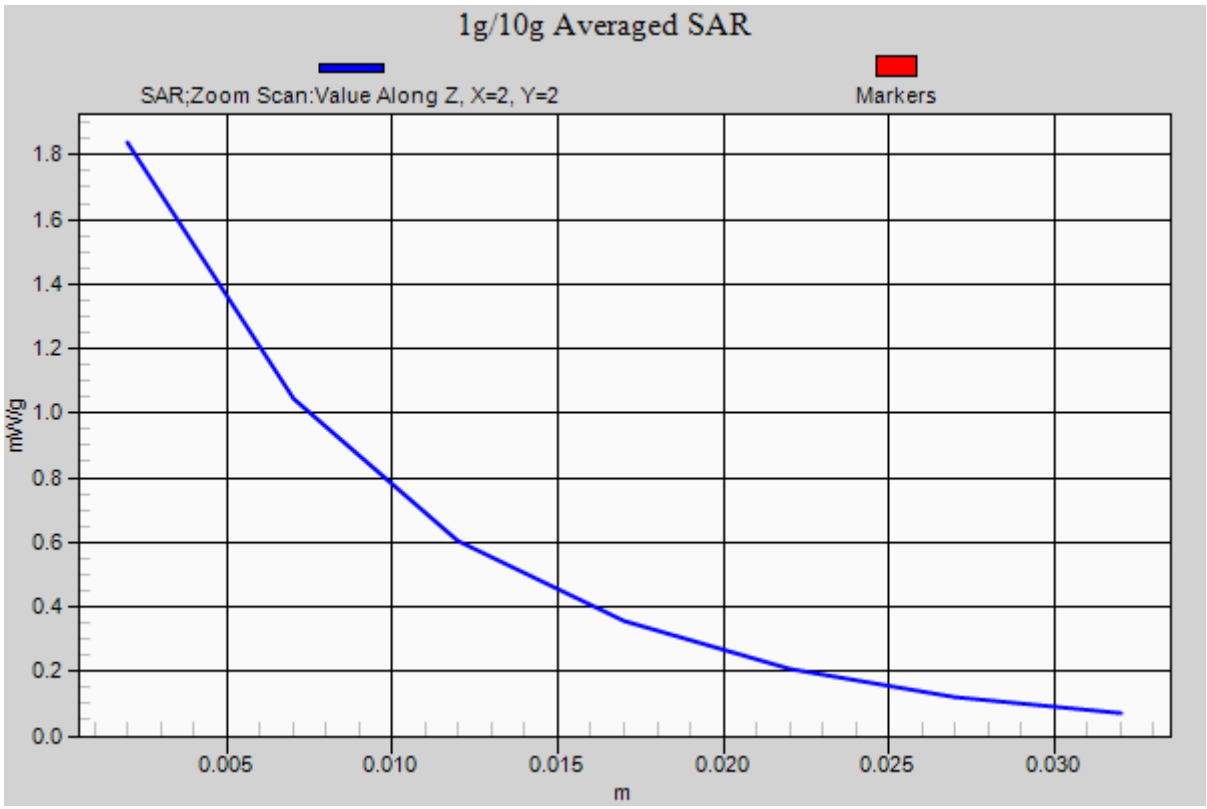
Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: B1900_1230 Medium parameters used : f = 1909.8 MHz; σ = 1.561 mho/m; ε_r = 52.37; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.858 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.553 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.3230
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.640 mW/g
Maximum value of SAR (measured) = 1.838 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

P87 GSM1900_GPRS10_Front Face_1cm_Ch512_Earohone

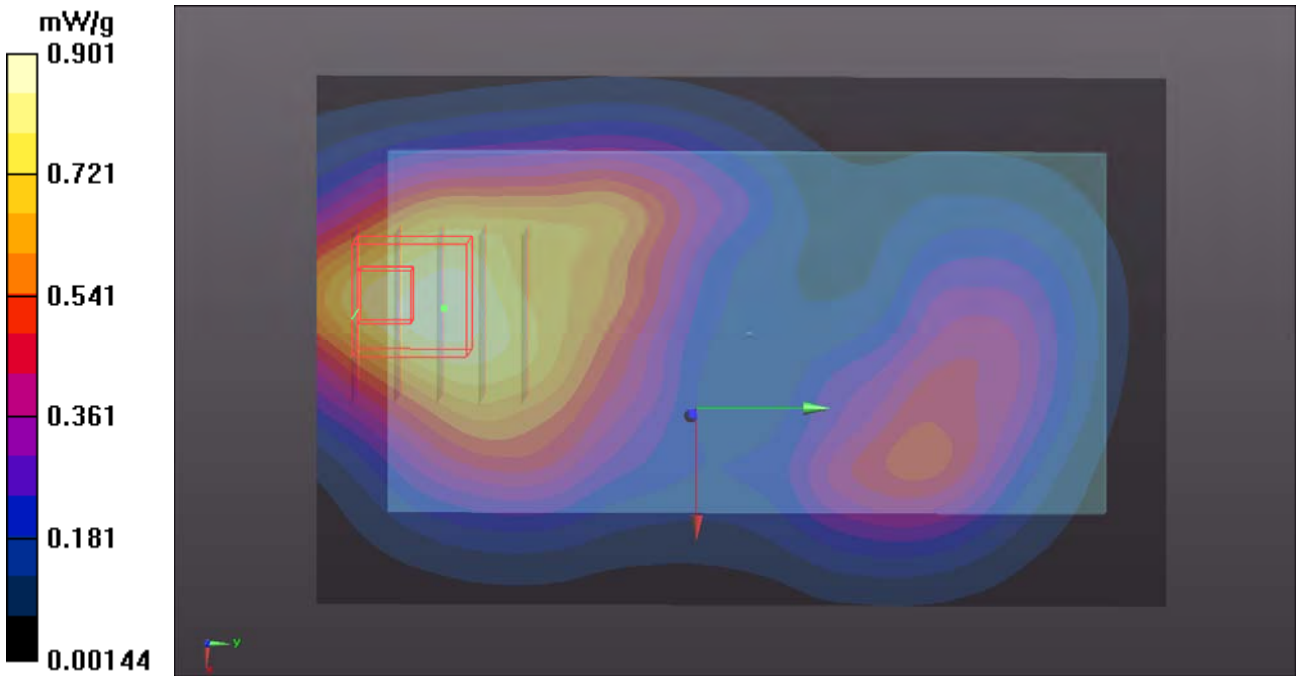
DUT: 111130C18

Communication System: GPRS10; Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037
Medium: B1900_1230 Medium parameters used : f = 1850.2 MHz; σ = 1.491 mho/m; ε_r = 52.547; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.901 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.057 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 1.2470
SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.401 mW/g
Maximum value of SAR (measured) = 1.016 mW/g



P88 GSM1900_GPRS10_Bottom Side_1cm_Ch810_Battery2

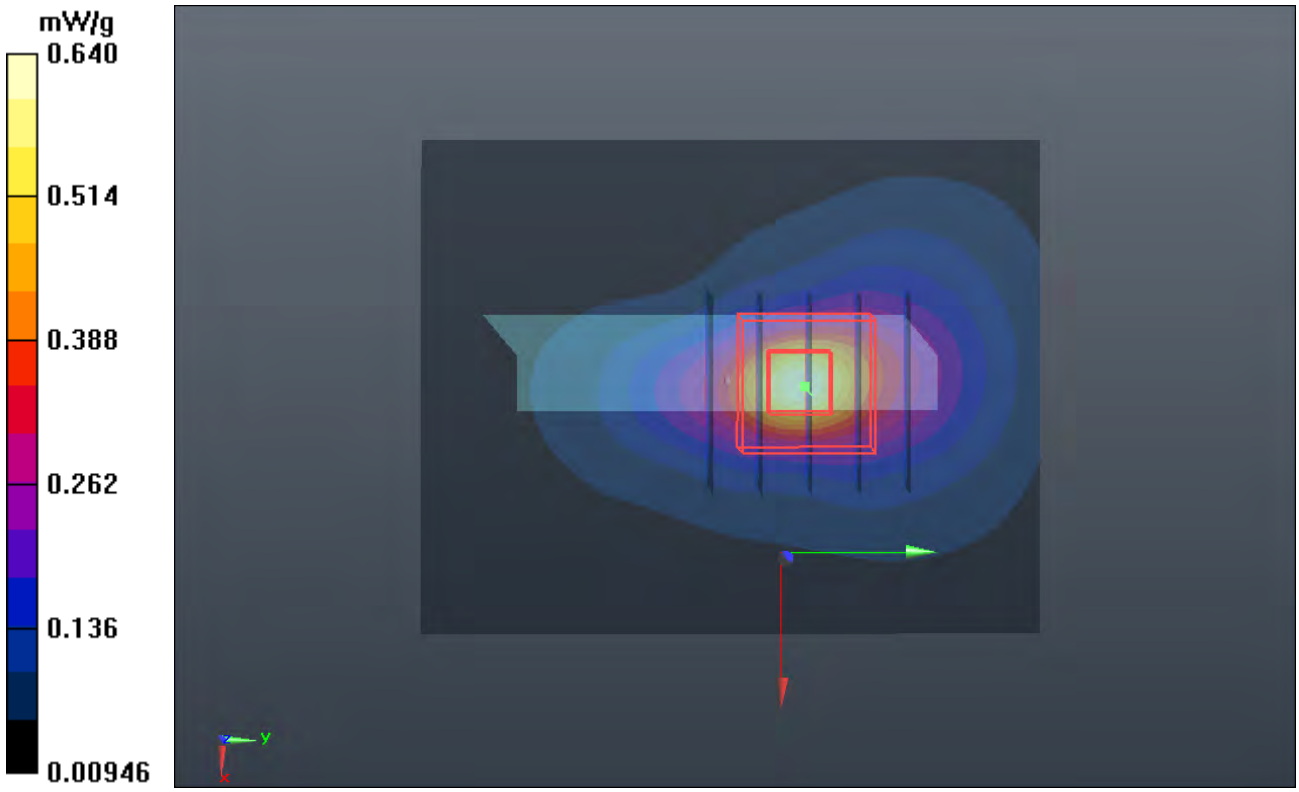
DUT: 111130C18

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: B1900_0114 Medium parameters used: f = 1910 MHz; σ = 1.532 mho/m; ε_r = 53.677; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.640 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.567 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.8170
SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 0.649 mW/g



P17 WCDMA V_RMC12.2K_Front Face_1cm_Ch4132

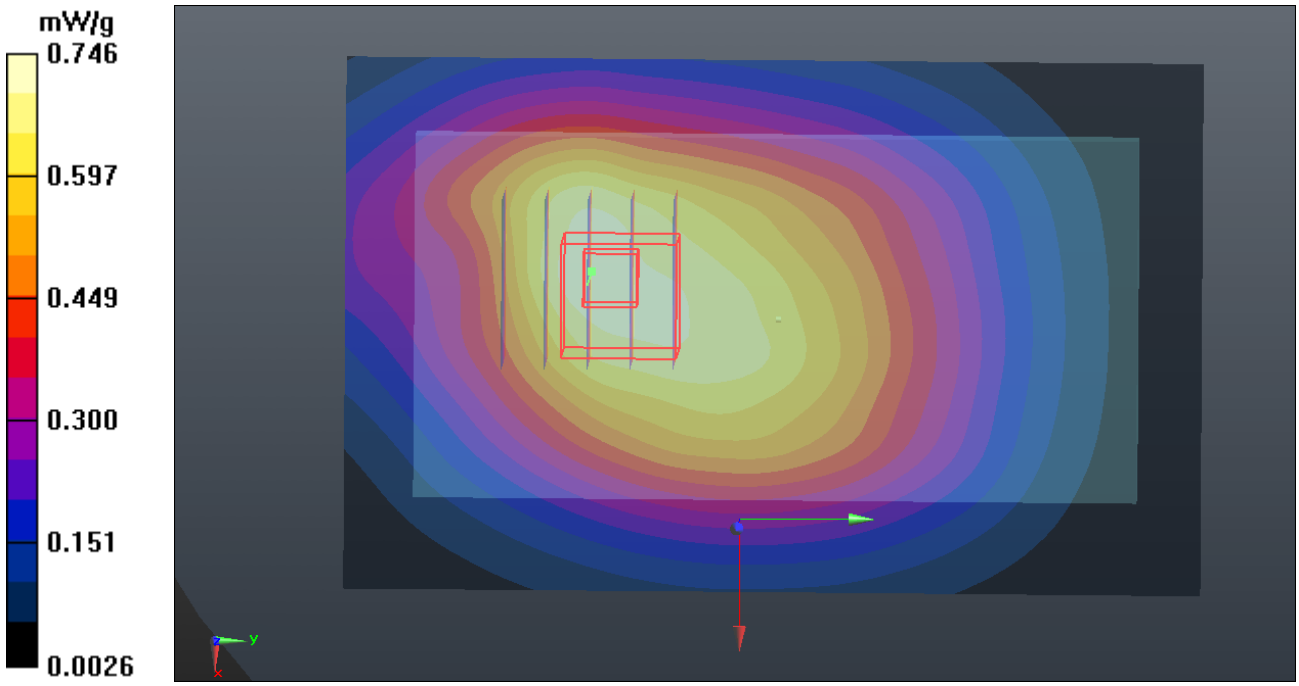
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_1222 Medium parameters used : f = 826.4 MHz; σ = 0.984 mho/m; ε_r = 55.297; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.746 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.930 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.809 W/kg
SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.475 mW/g
Maximum value of SAR (measured) = 0.722 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2011/12/22

P18 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4132

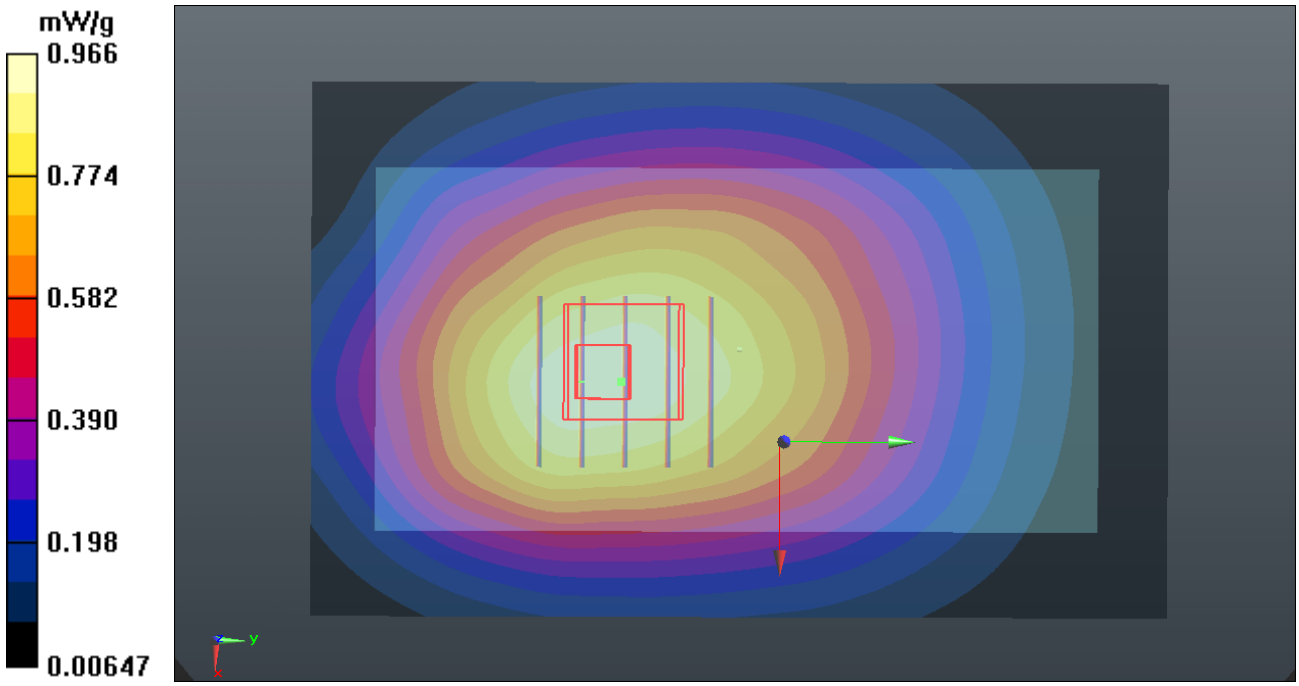
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_1222 Medium parameters used : f = 826.4 MHz; σ = 0.984 mho/m; ε_r = 55.297; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.966 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.478 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.081 W/kg
SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.627 mW/g
Maximum value of SAR (measured) = 0.959 mW/g



P19 WCDMA V_RMC12.2K_Bottom Side_1cm_Ch4132

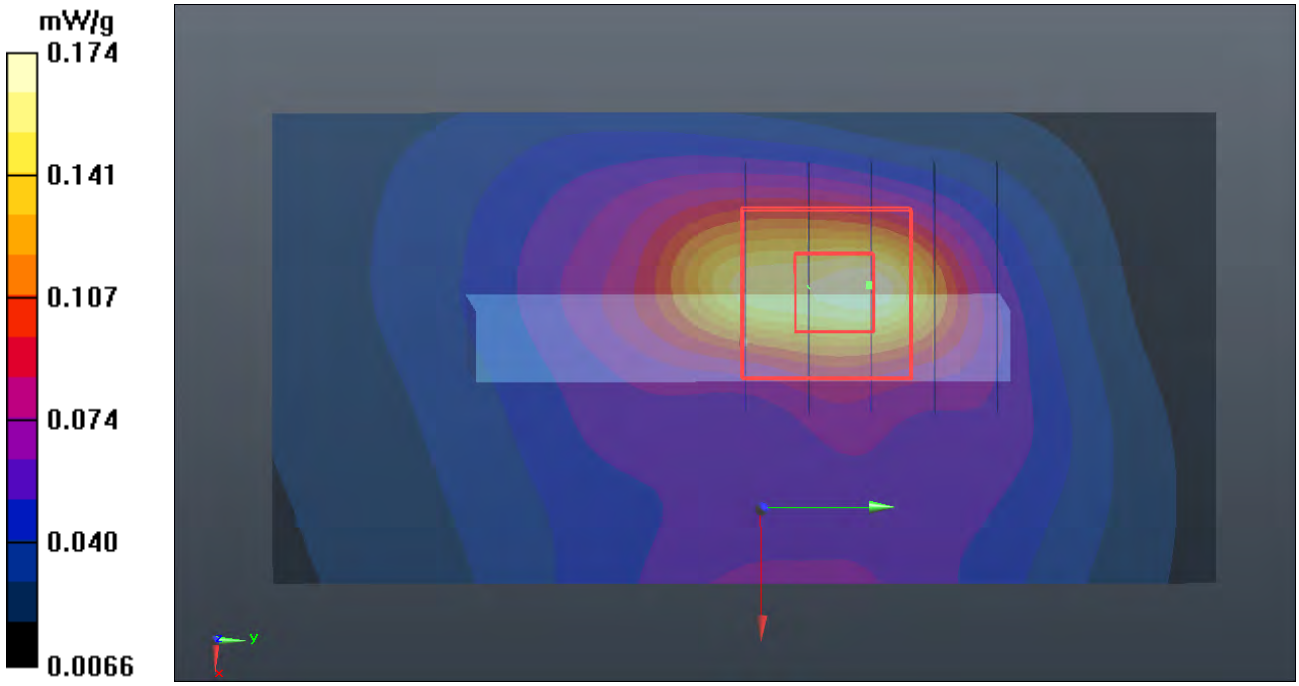
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_1222 Medium parameters used : f = 826.4 MHz; σ = 0.984 mho/m; ε_r = 55.297; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (31x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.174 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.427 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.248 W/kg
SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.188 mW/g



P20 WCDMA V_RMC12.2K_Left Side_1cm_Ch4132

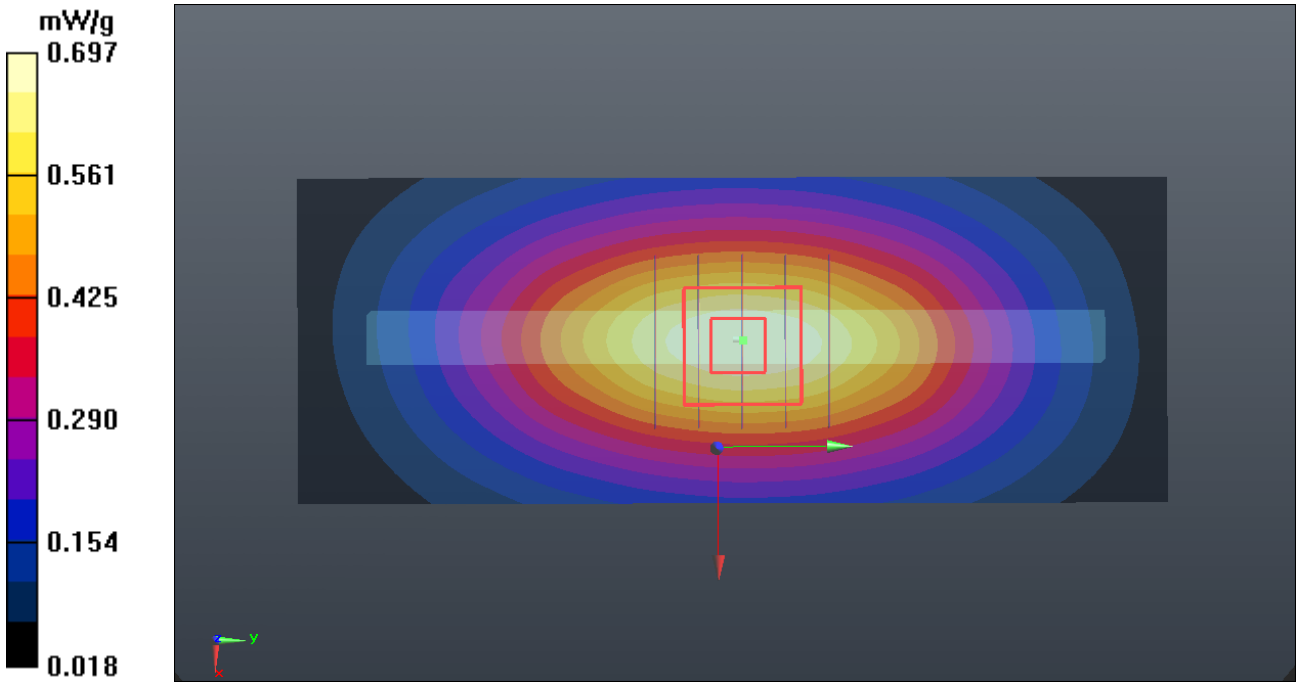
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_1222 Medium parameters used : f = 826.4 MHz; σ = 0.984 mho/m; ε_r = 55.297; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.697 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.584 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.819 W/kg
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.402 mW/g
Maximum value of SAR (measured) = 0.712 mW/g



P21 WCDMA V_RMC12.2K_Right Side_1cm_Ch4132

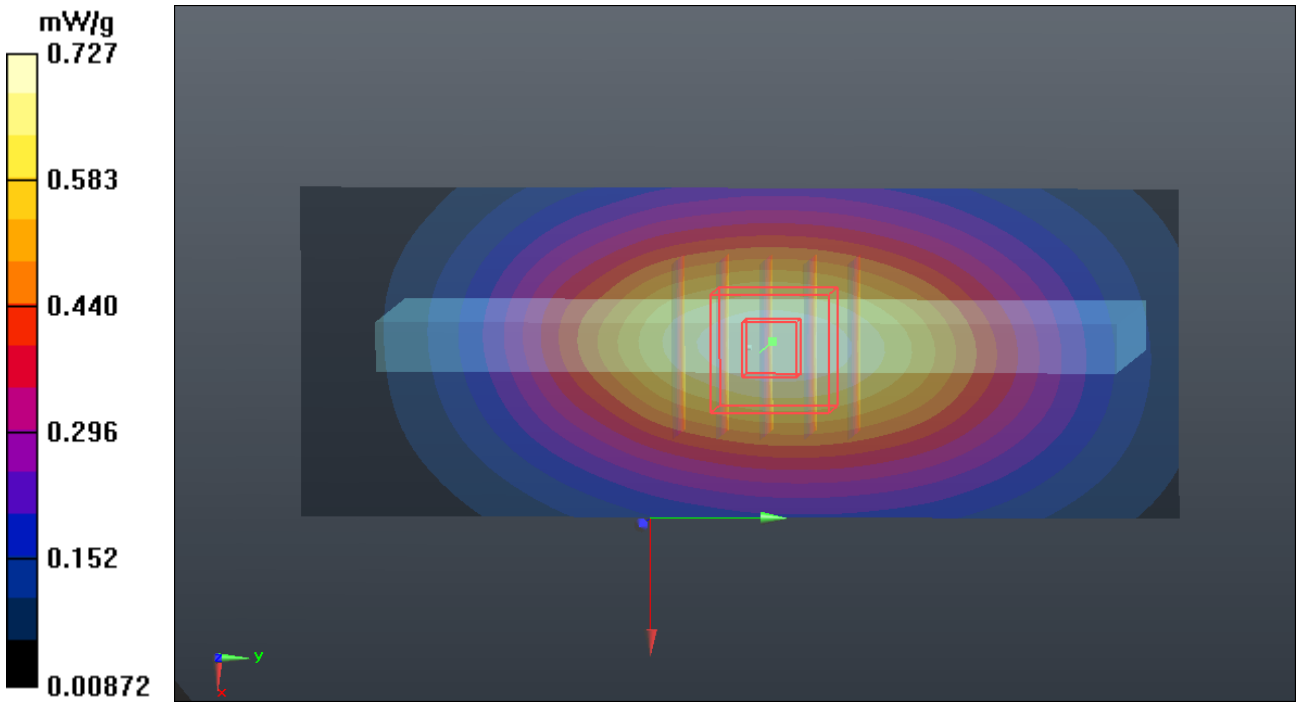
DUT: 111130C18

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: B835_1222 Medium parameters used : f = 826.4 MHz; σ = 0.984 mho/m; ε_r = 55.297; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4132/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.727 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.985 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.8620
SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.429 mW/g
Maximum value of SAR (measured) = 0.747 mW/g



P53 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182

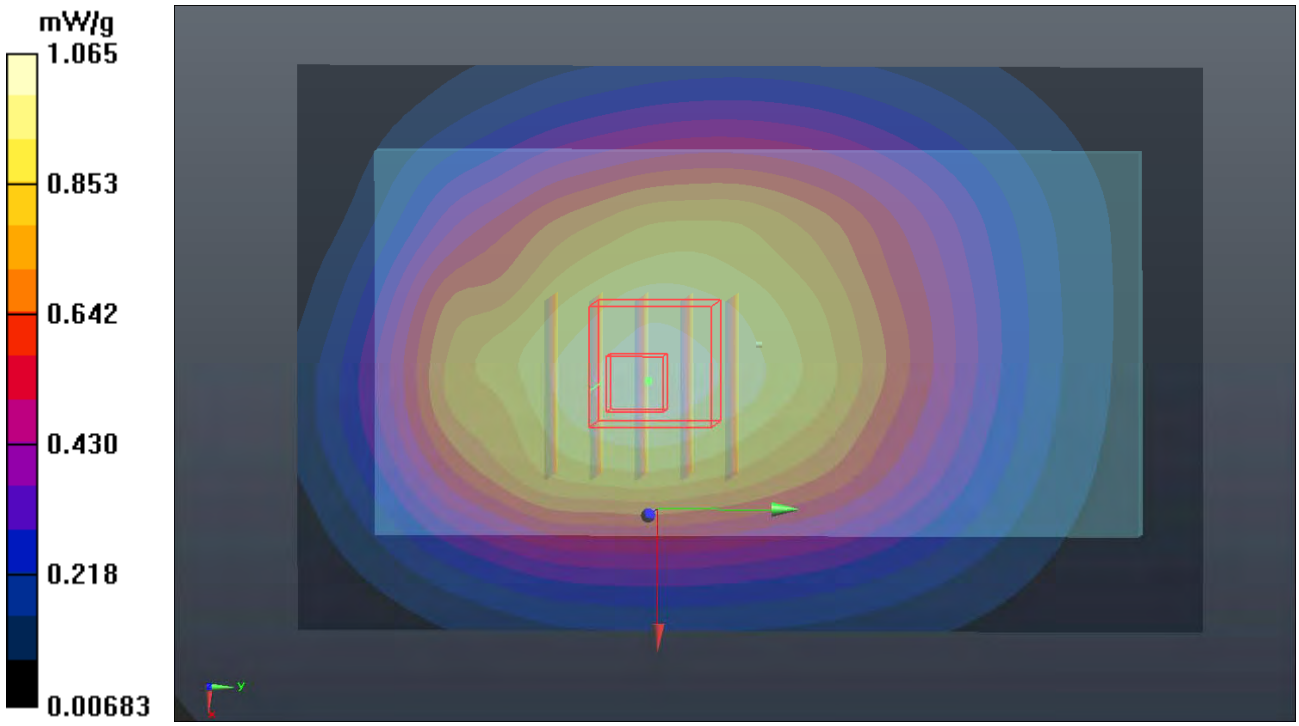
DUT: 111130C18

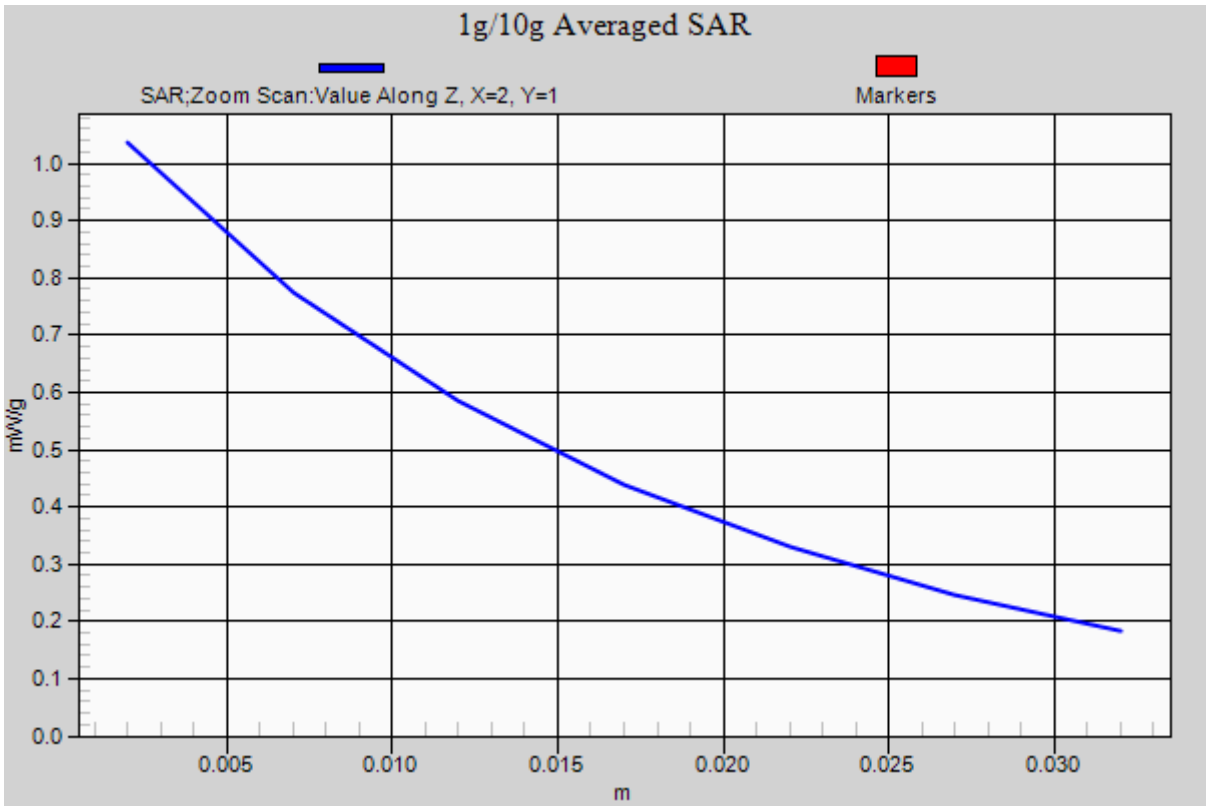
Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_1230 Medium parameters used : f = 836.4 MHz; σ = 0.996 mho/m; ε_r = 55.041; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.065 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.784 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.1800
SAR(1 g) = 0.892 mW/g; SAR(10 g) = 0.673 mW/g
Maximum value of SAR (measured) = 1.036 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=1
Markers
mW/g
1.0
0.9
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

P54 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4233

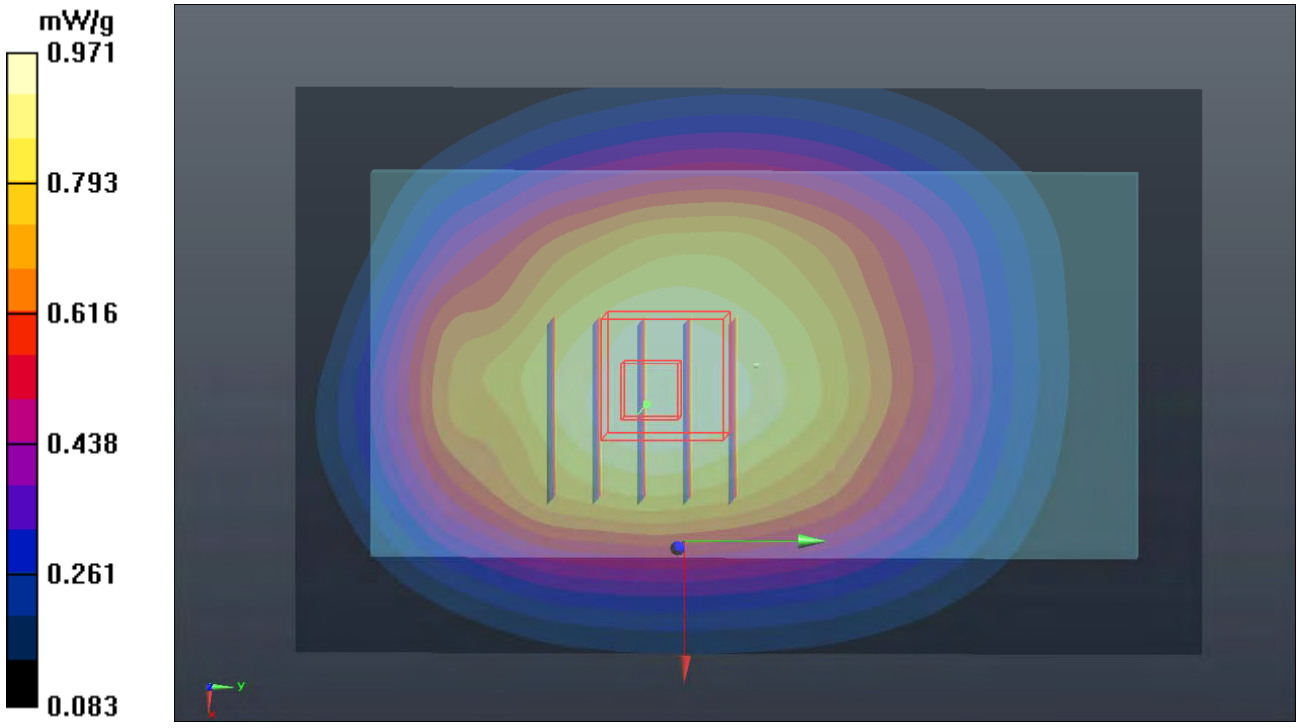
DUT: 111130C18

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B835_1230 Medium parameters used: f = 847 MHz; σ = 1.01 mho/m; ε_r = 54.966; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4233/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.998 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.151 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.0820
SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.636 mW/g
Maximum value of SAR (measured) = 0.971 mW/g



P22 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182_Earphone

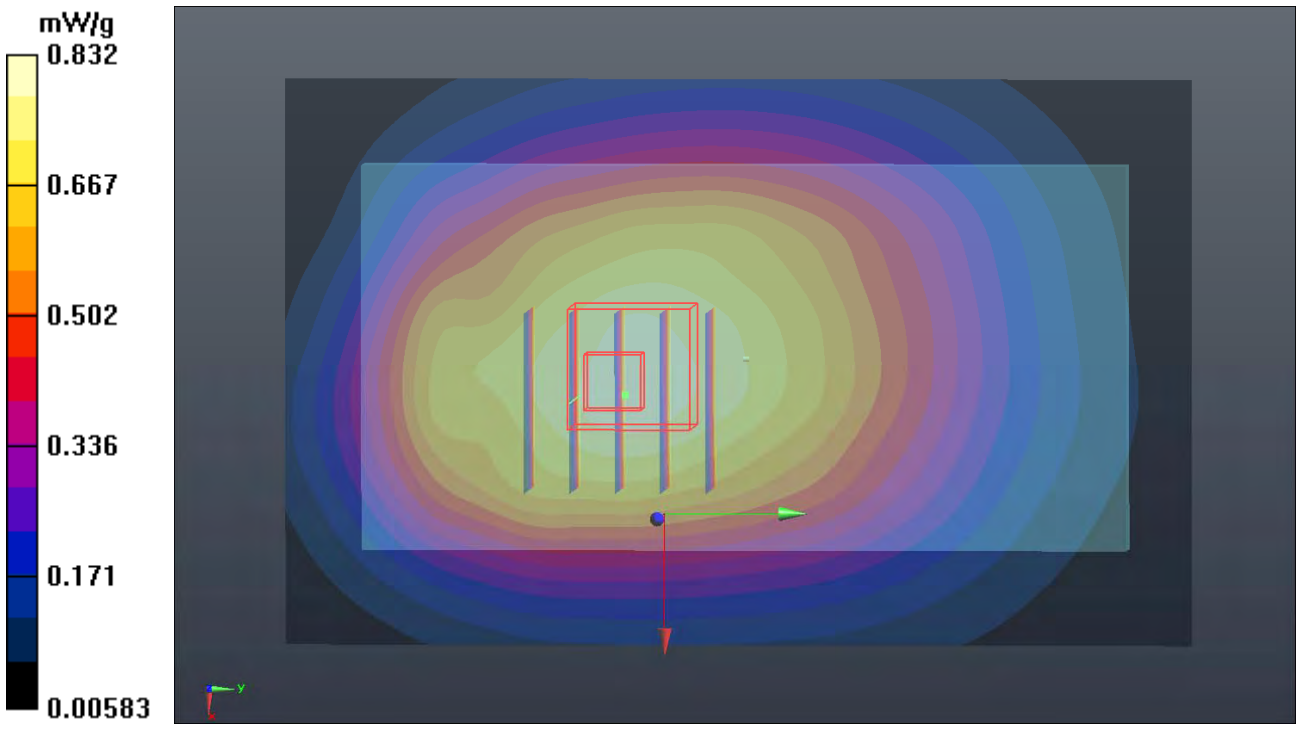
DUT: 111130C18

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_1230 Medium parameters used : f = 836.4 MHz; σ = 0.996 mho/m; ε_r = 55.041; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.832 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.254 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.9250
SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.526 mW/g
Maximum value of SAR (measured) = 0.813 mW/g



P133 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182_Battery2

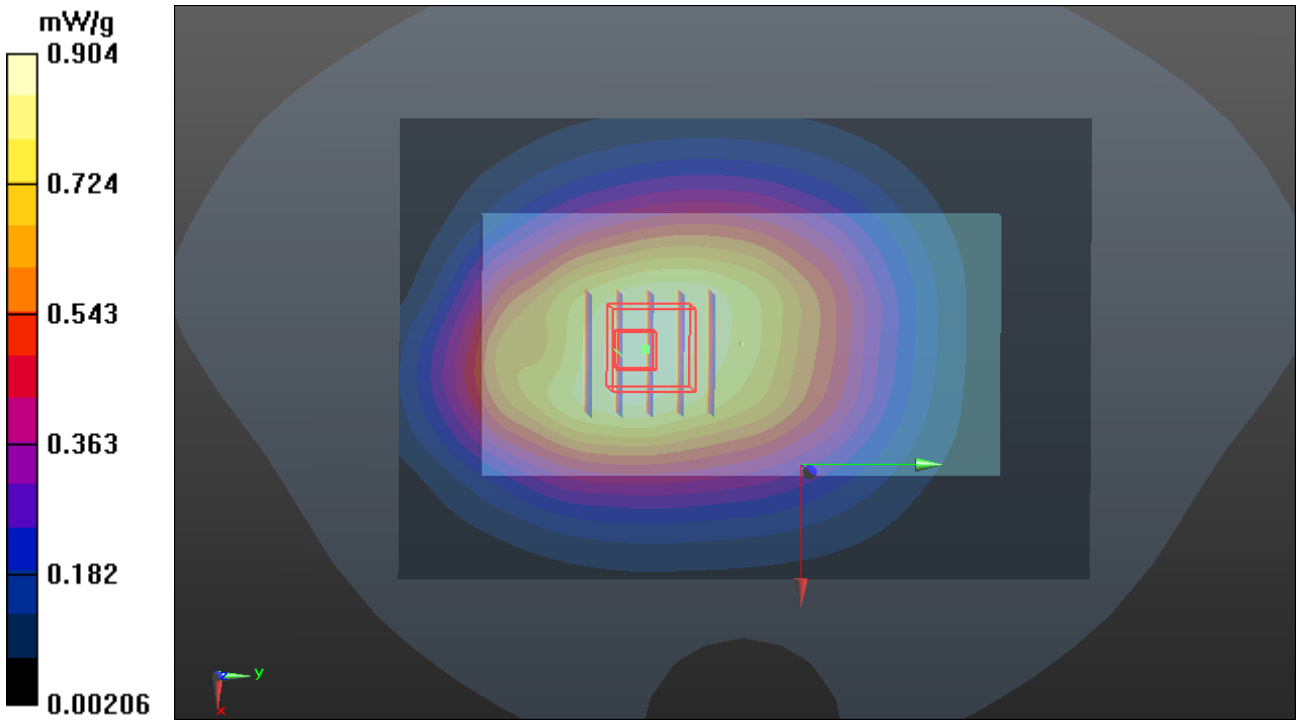
DUT: 111130C18

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_0114 Medium parameters used : f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.451; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (61x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.904 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.052 V/m; Power Drift = -0.0097 dB
Peak SAR (extrapolated) = 0.9920
SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.590 mW/g
Maximum value of SAR (measured) = 0.892 mW/g



P29 WCDMA II_RMC12.2K_Front Face_1cm_Ch9400

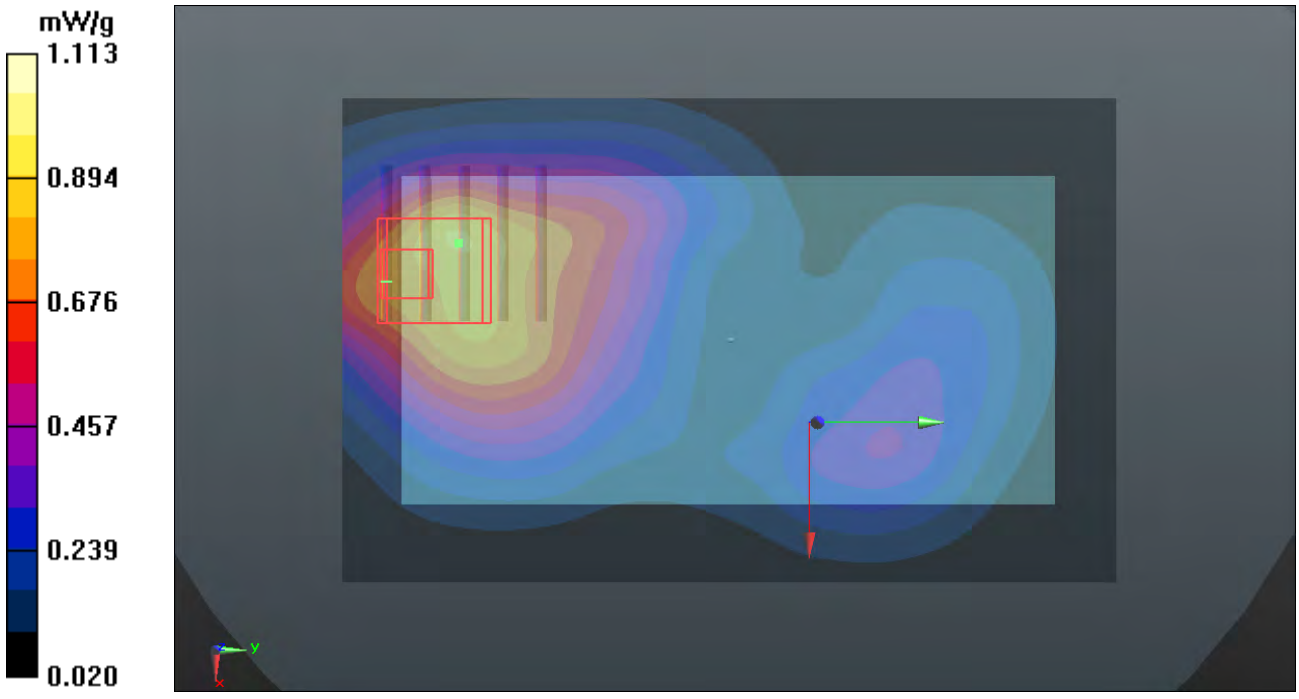
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used: f = 1880 MHz; σ = 1.532 mho/m; ε_r = 53.23; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.905 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.274 V/m; Power Drift = -0.0025 dB
Peak SAR (extrapolated) = 1.383 W/kg
SAR(1 g) = 0.812 mW/g; SAR(10 g) = 0.448 mW/g
Maximum value of SAR (measured) = 1.113 mW/g



P30 WCDMA II_RMC12.2K_Rear Face_1cm_Ch9400

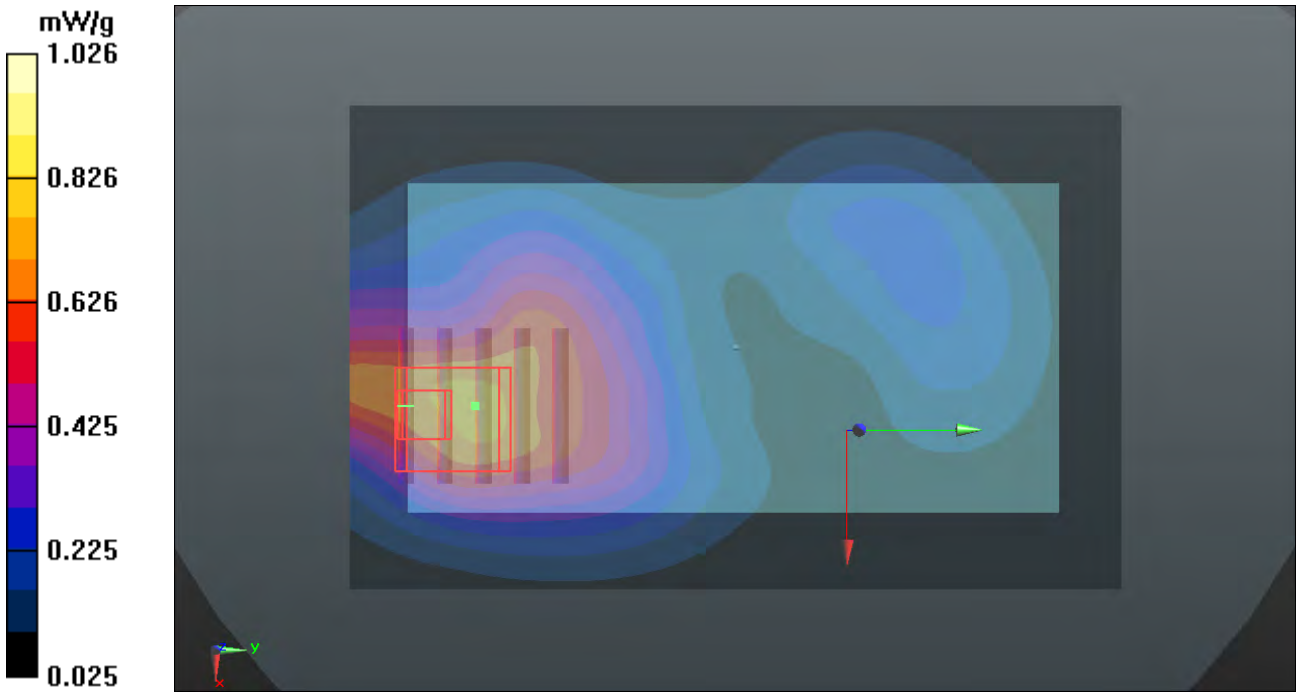
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used: f = 1880 MHz; σ = 1.532 mho/m; ε_r = 53.23; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.724 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.643 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.296 W/kg
SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.369 mW/g
Maximum value of SAR (measured) = 1.026 mW/g



P31 WCDMA II_RMC12.2K_Bottom Side_1cm_Ch9400

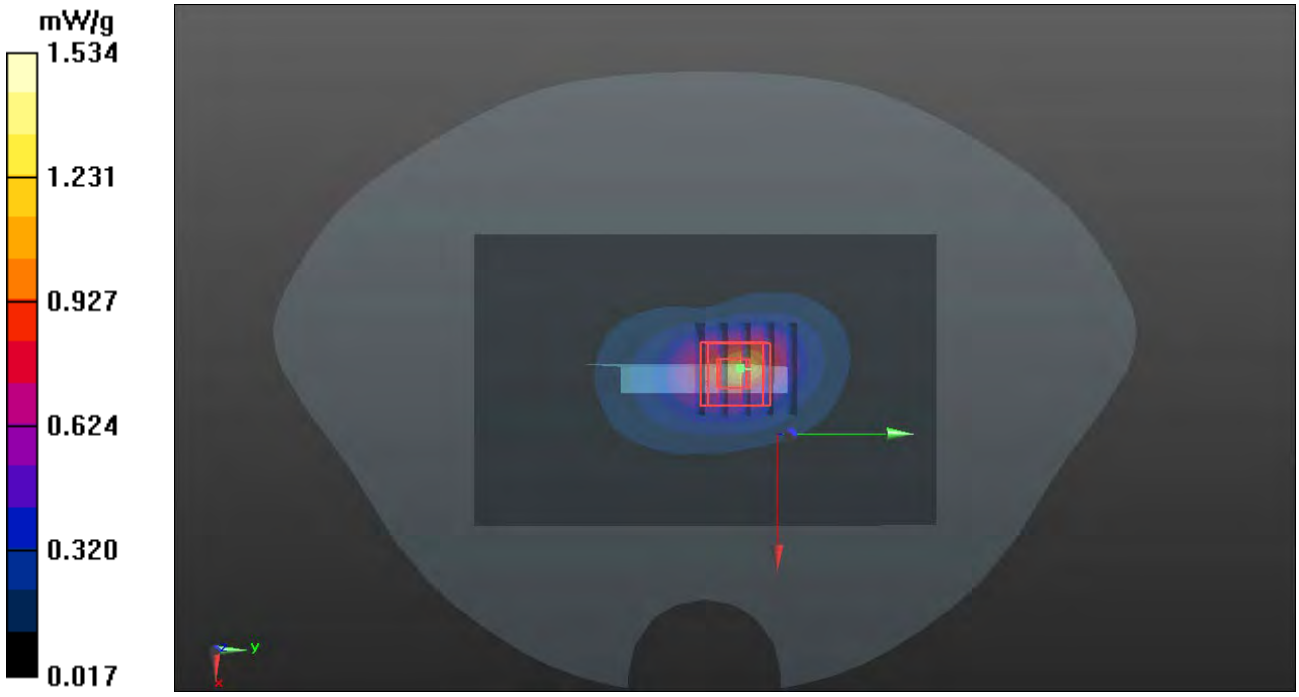
DUT: 111130C18

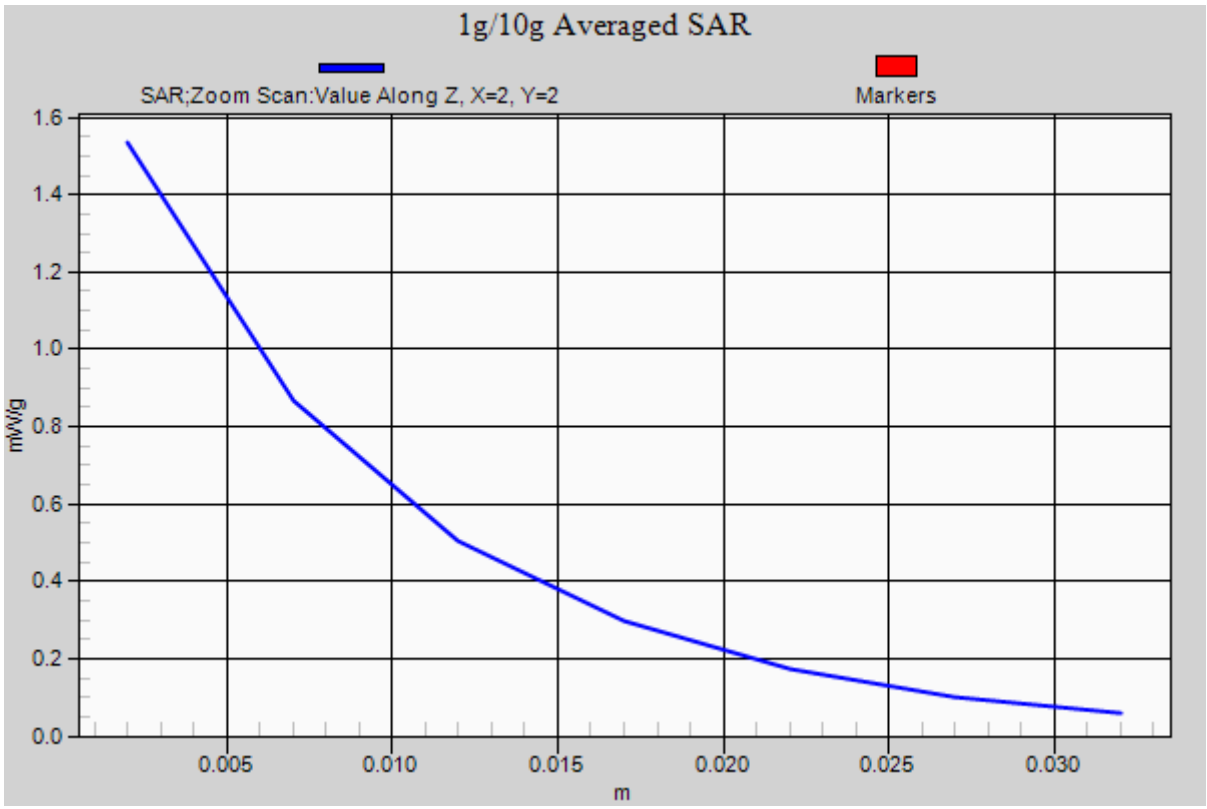
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used: f = 1880 MHz; σ = 1.532 mho/m; ε_r = 53.23; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.130 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.366 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 1.966 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.532 mW/g
Maximum value of SAR (measured) = 1.534 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

P32 WCDMA II_RMC12.2K_Left Side_1cm_Ch9400

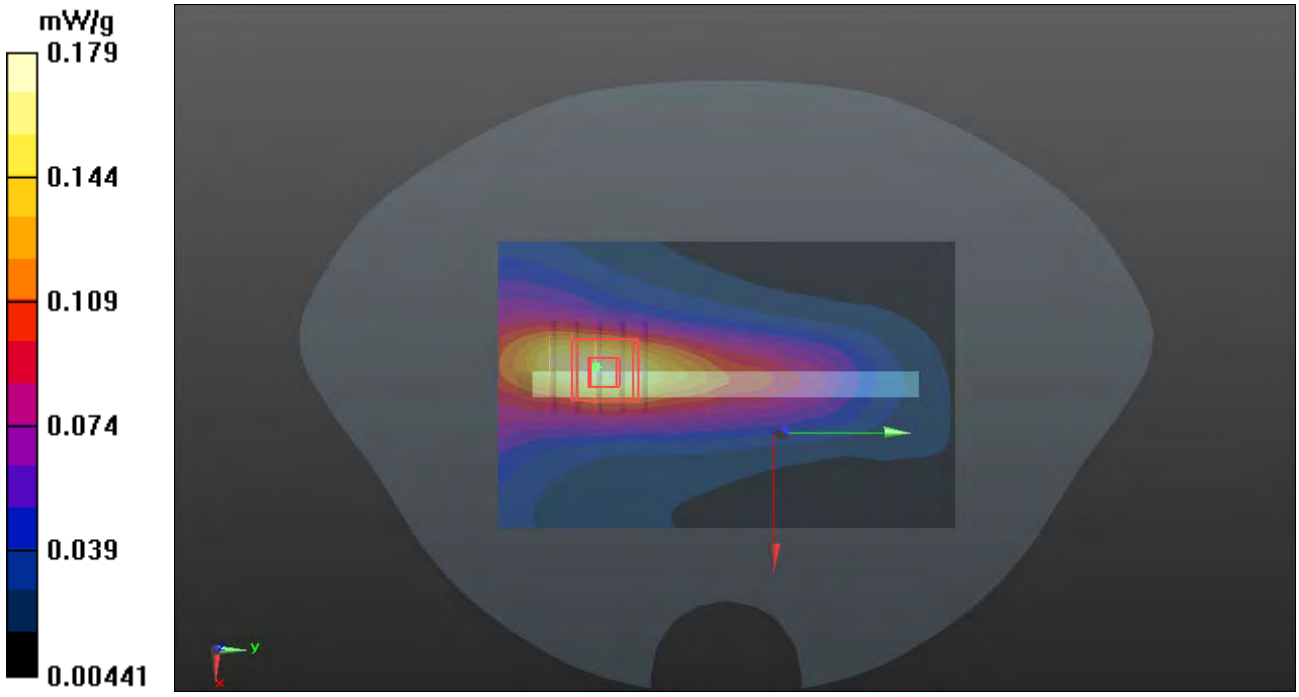
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used: f = 1880 MHz; σ = 1.532 mho/m; ε_r = 53.23; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.172 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.869 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.179 mW/g



P33 WCDMA II_RMC12.2K_Right Side_1cm_Ch9400

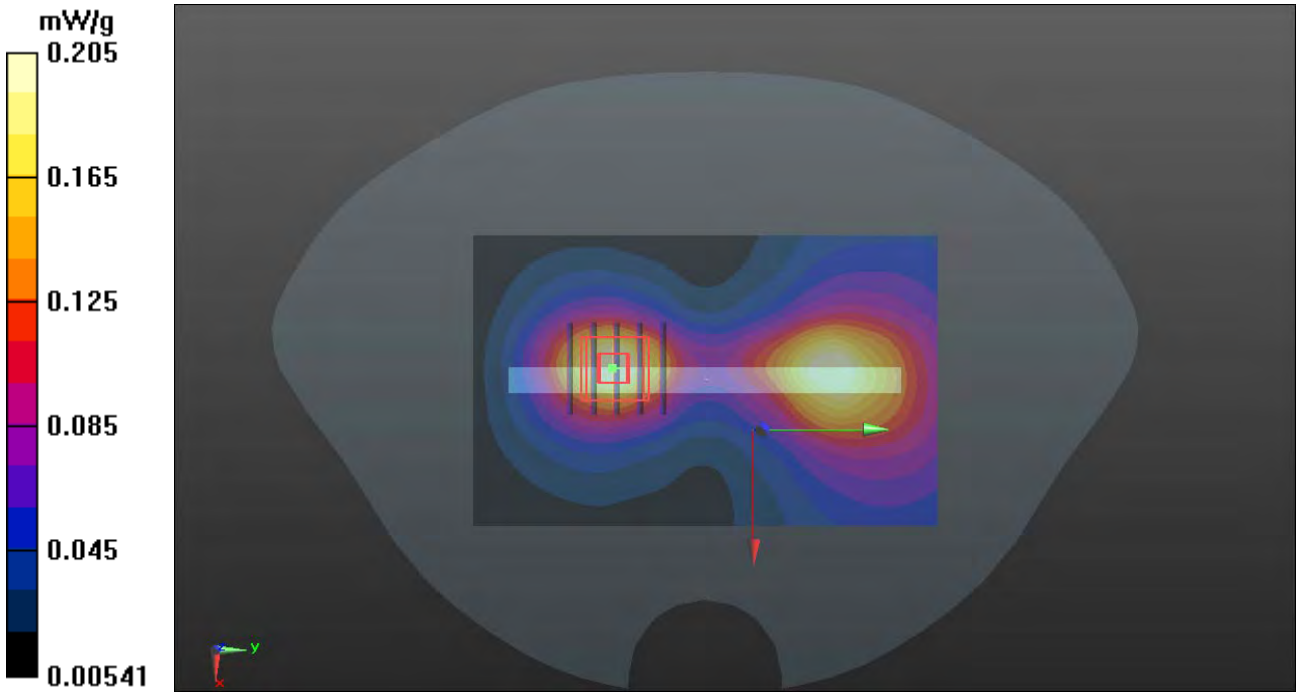
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used: f = 1880 MHz; σ = 1.532 mho/m; ε_r = 53.23; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.217 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.558 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.251 W/kg
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.205 mW/g



P41 WCDMA II_RMC12.2K_Bottom Side_1cm_Ch9262

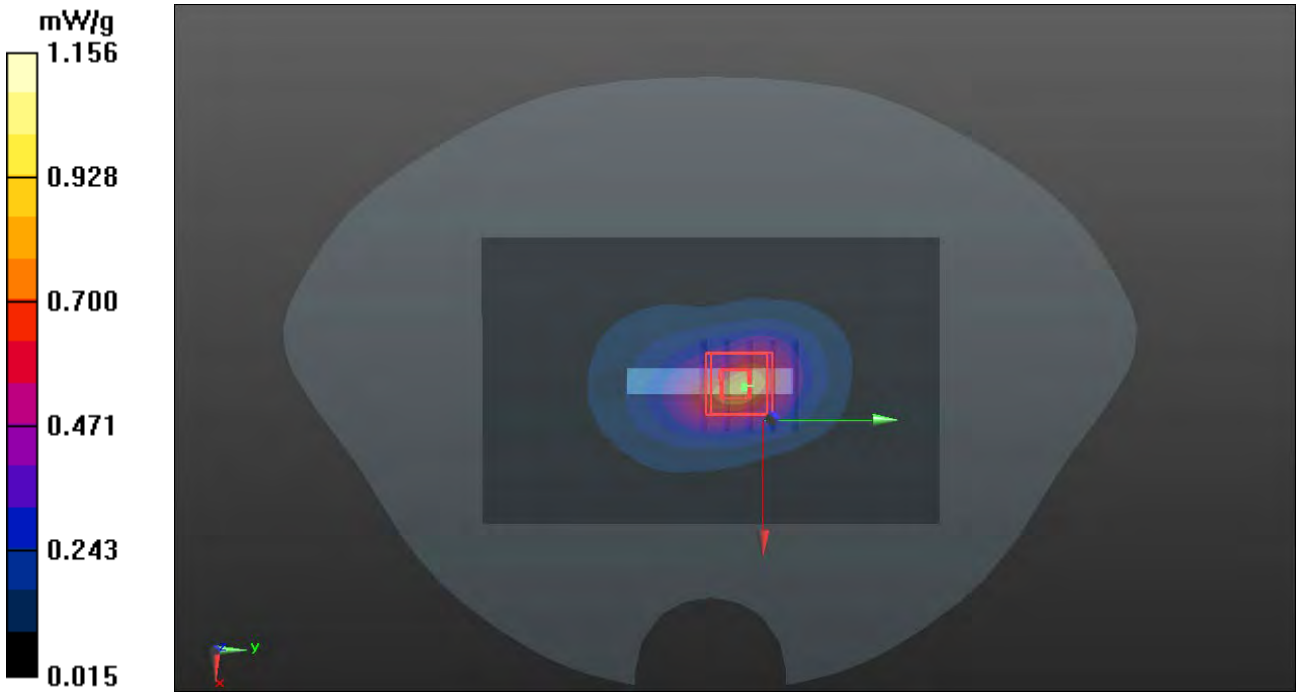
DUT: 111130C18

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used : f = 1852.4 MHz; σ = 1.502 mho/m; ε_r = 53.348; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.822 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.141 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.481 W/kg
SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.427 mW/g
Maximum value of SAR (measured) = 1.156 mW/g



P42 WCDMA II_RMC12.2K_Bottom Side_1cm_Ch9538

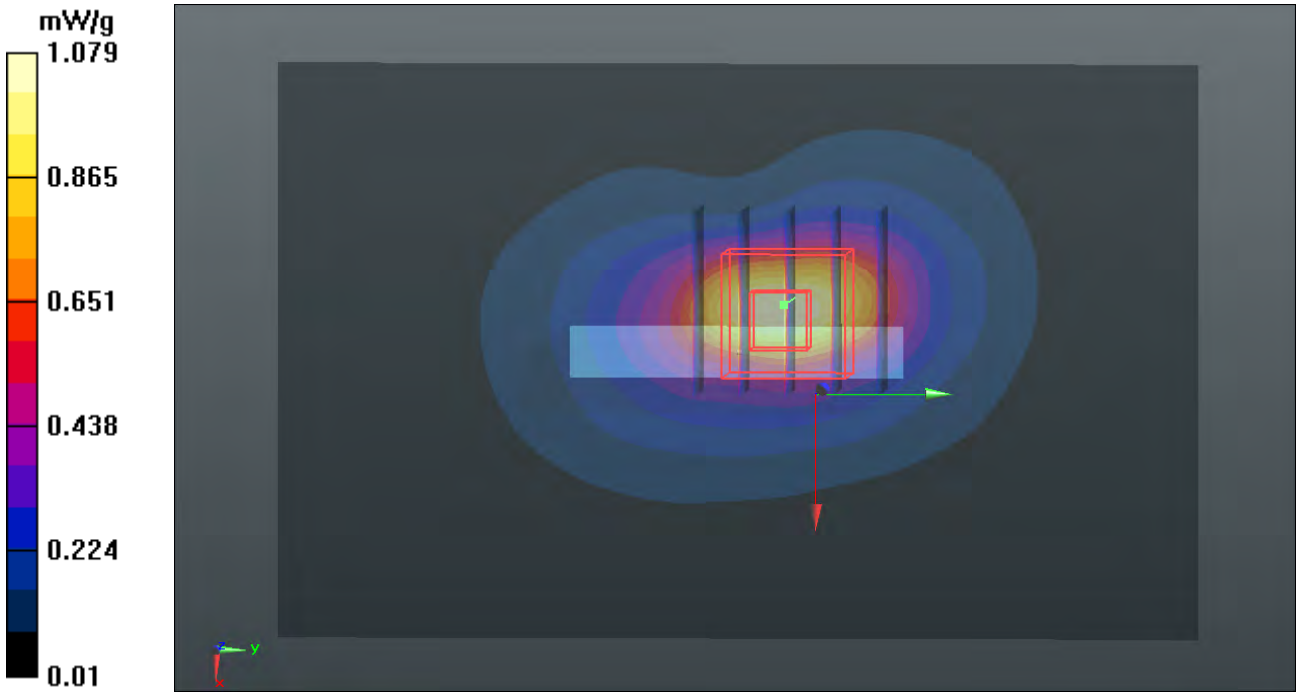
DUT: 111130C18

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used: f = 1908 MHz; σ = 1.562 mho/m; ε_r = 53.132; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Configuration/Ch9538/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.079 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.606 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.638 W/kg
SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.457 mW/g
Maximum value of SAR (measured) = 1.260 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2011/12/21

P37 WCDMA II_RMC12.2K_Front Face_1cm_Ch9262

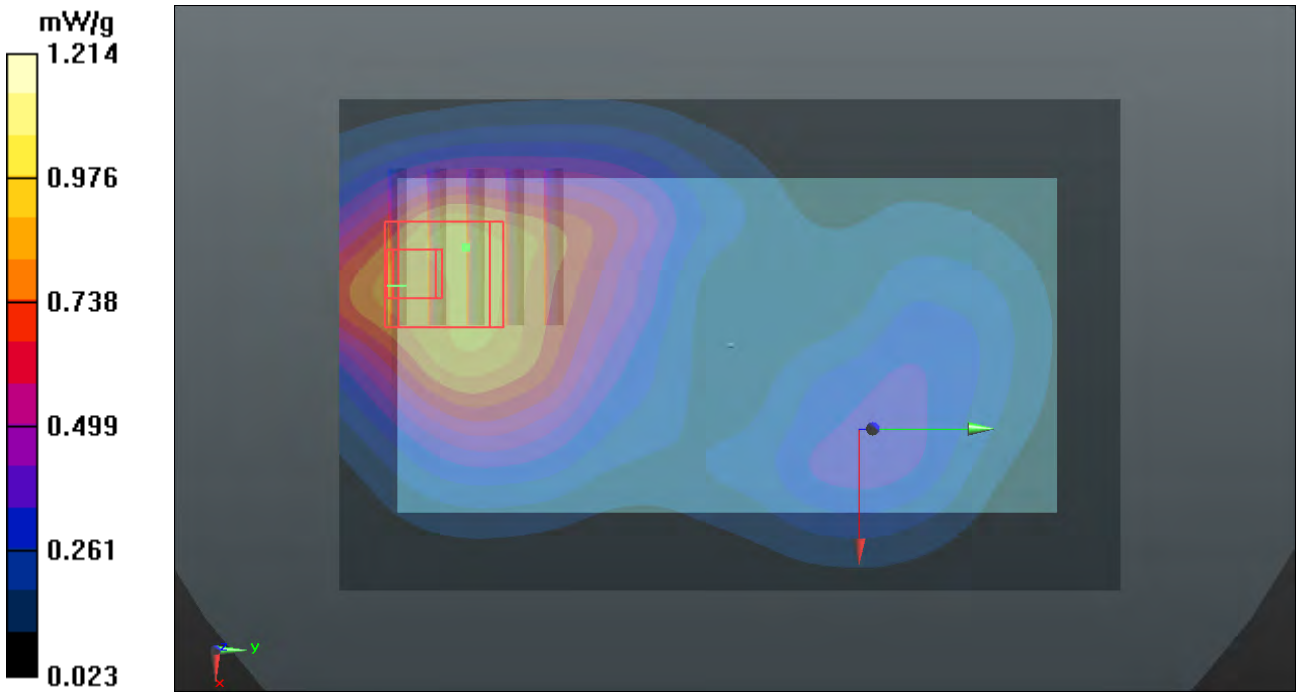
DUT: 111130C18

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used: f = 1852.4 MHz; σ = 1.502 mho/m; ε_r = 53.348; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.952 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.363 V/m; Power Drift = 0.130 dB
Peak SAR (extrapolated) = 1.508 W/kg
SAR(1 g) = 0.818 mW/g; SAR(10 g) = 0.474 mW/g
Maximum value of SAR (measured) = 1.214 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2011/12/21

P38 WCDMA II_RMC12.2K_Front Face_1cm_Ch9538

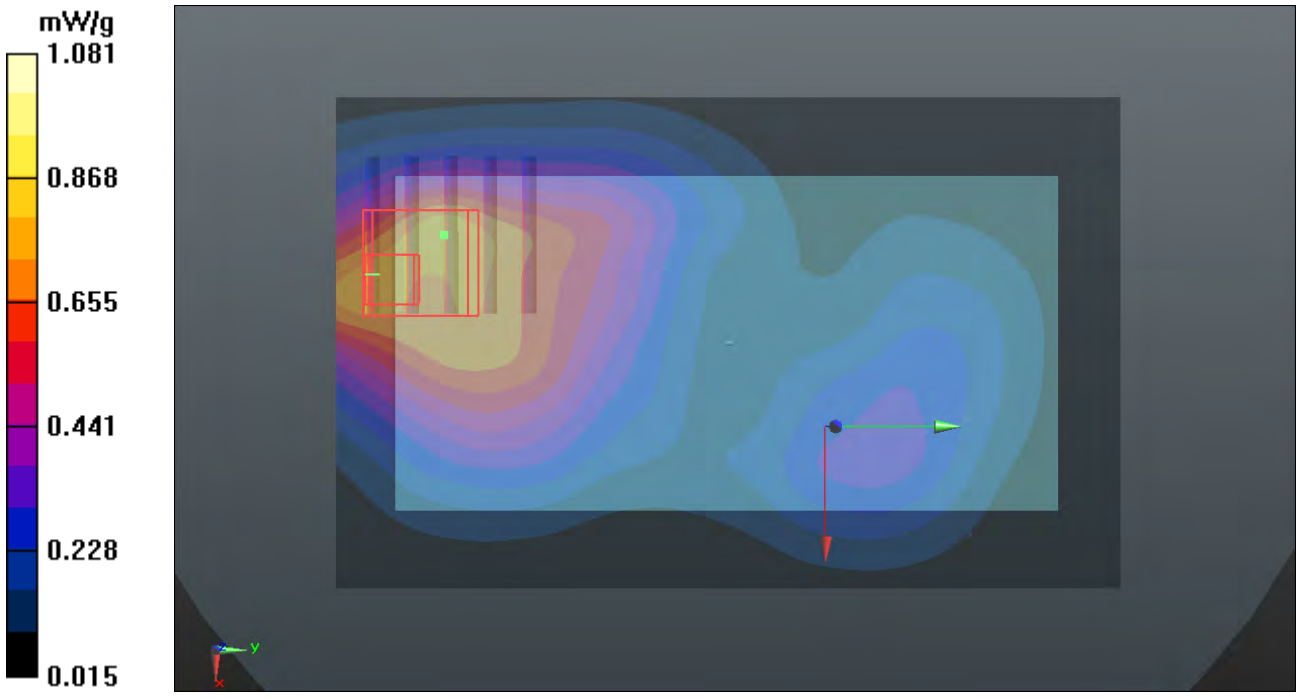
DUT: 111130C18

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_1221 Medium parameters used: f = 1908 MHz; σ = 1.562 mho/m; ε_r = 53.132; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.795 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.921 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.404 W/kg
SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.422 mW/g
Maximum value of SAR (measured) = 1.081 mW/g



P89 WCDMA II_RMC12.2K_Front Face_1cm_Ch9262_Earphone

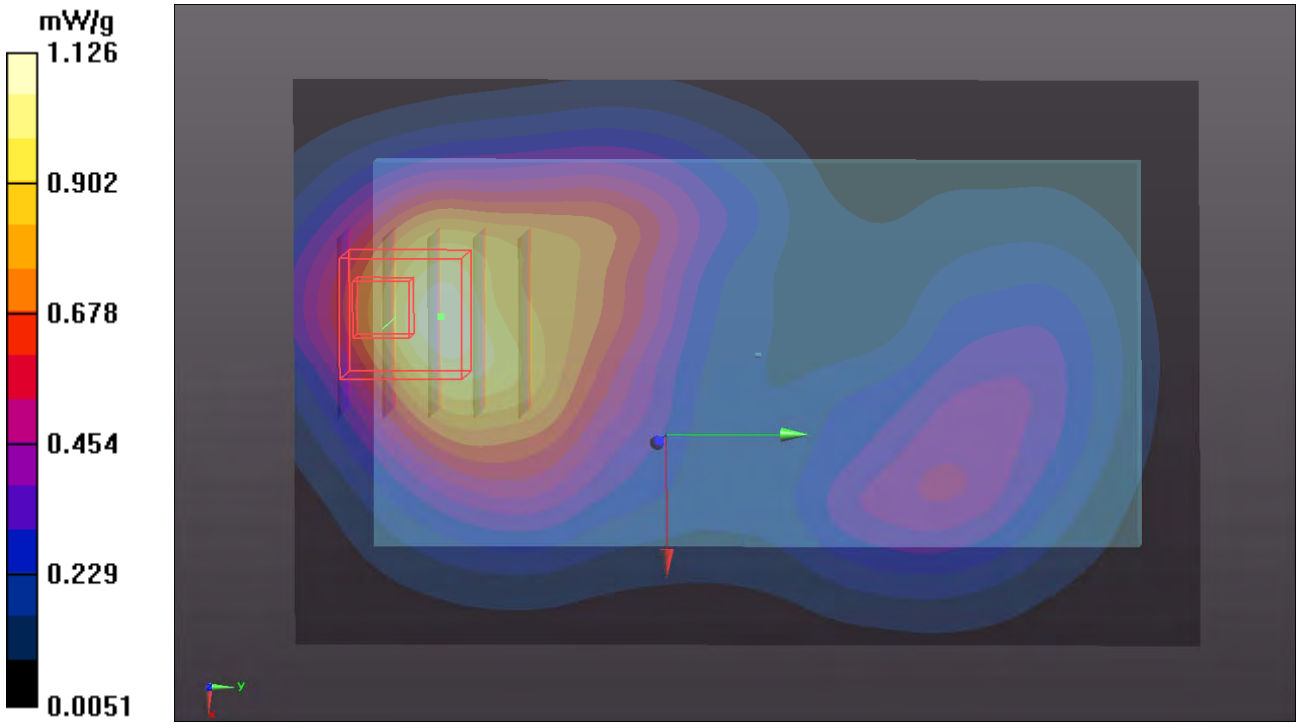
DUT: 111130C18

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_1230 Medium parameters used : f = 1852.4 MHz; σ = 1.494 mho/m; ε_r = 52.54; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch9262/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.126 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.155 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.3590
SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.472 mW/g
Maximum value of SAR (measured) = 1.061 mW/g



P90 WCDMA II_RMC12.2K_Front Face_1cm_Ch9400_Earphone

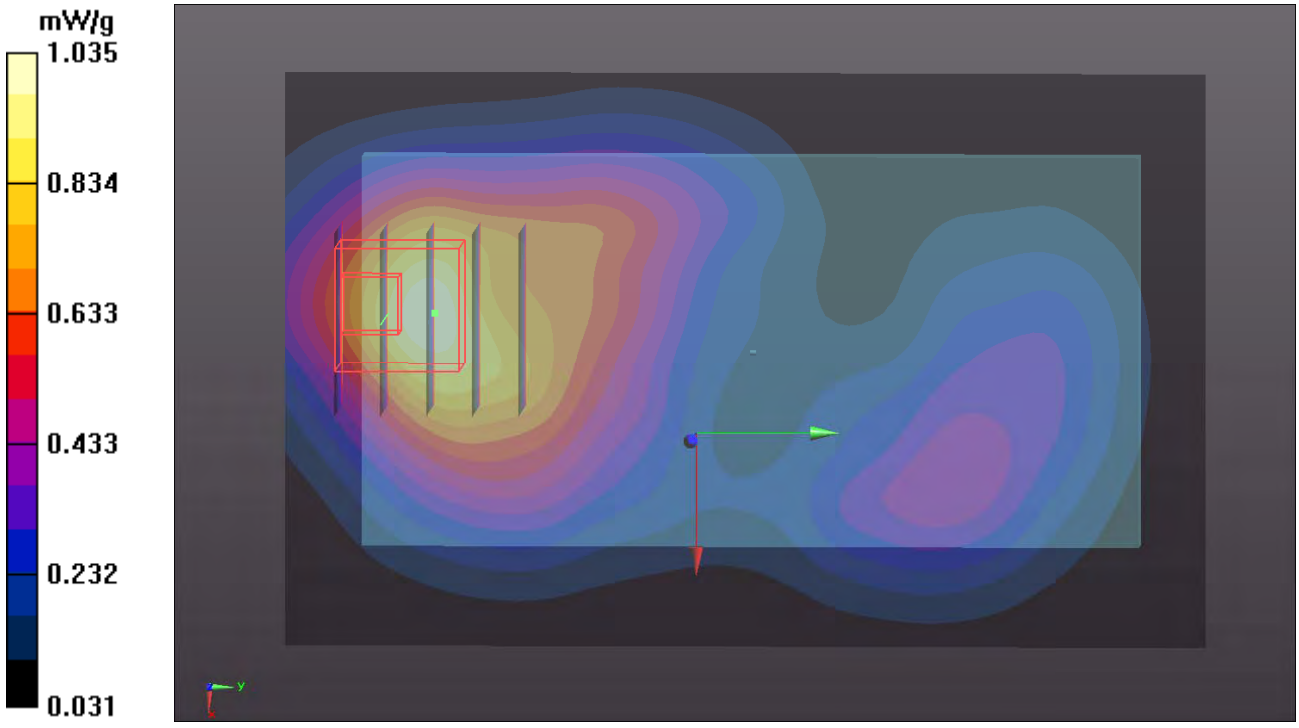
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_1230 Medium parameters used: f = 1880.1 MHz; σ = 1.524 mho/m; ε_r = 52.458; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.042 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.167 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.3630
SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.442 mW/g
Maximum value of SAR (measured) = 1.035 mW/g



P91 WCDMA II_RMC12.2K_Front Face_1cm_Ch9538_Earphone

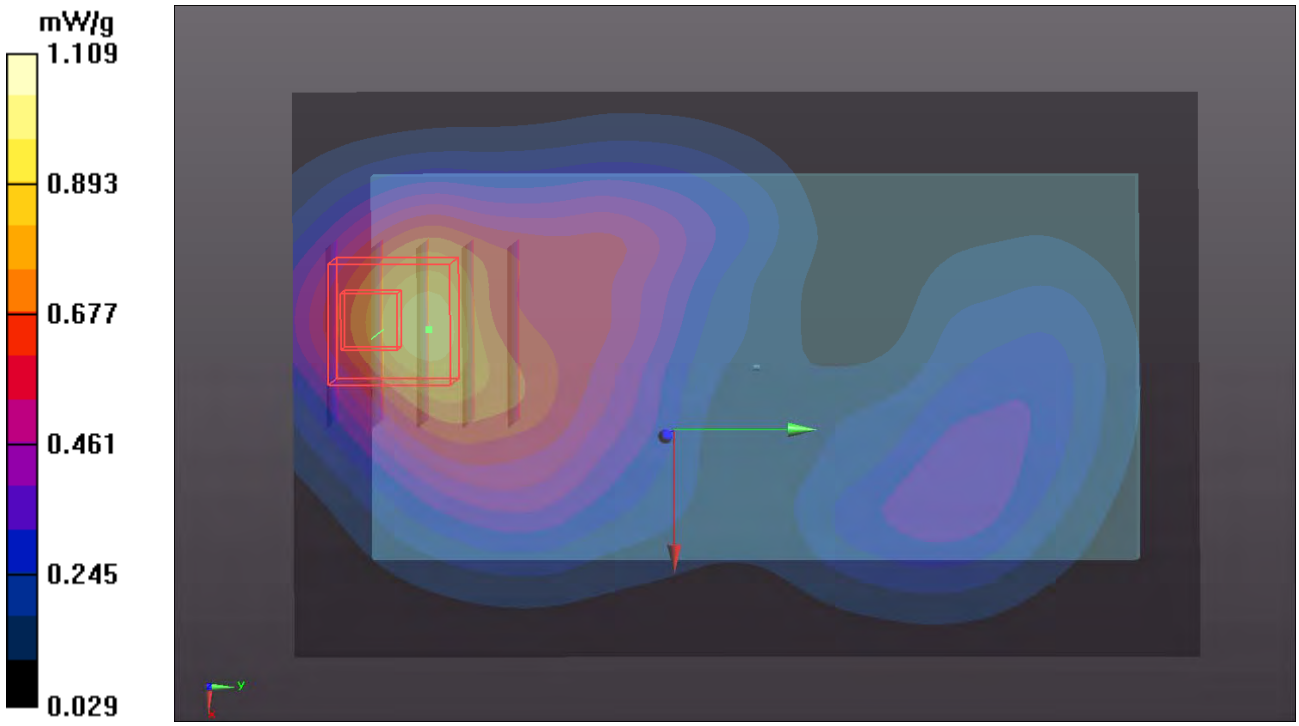
DUT: 111130C18

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_1230 Medium parameters used : f = 1907.6 MHz; σ = 1.558 mho/m; ε_r = 52.374; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch9538/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.969 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.669 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.4330
SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.435 mW/g
Maximum value of SAR (measured) = 1.109 mW/g



P34 WCDMA II_RMC12.2K_Bottom Side_1cm_Ch9400_Battery2

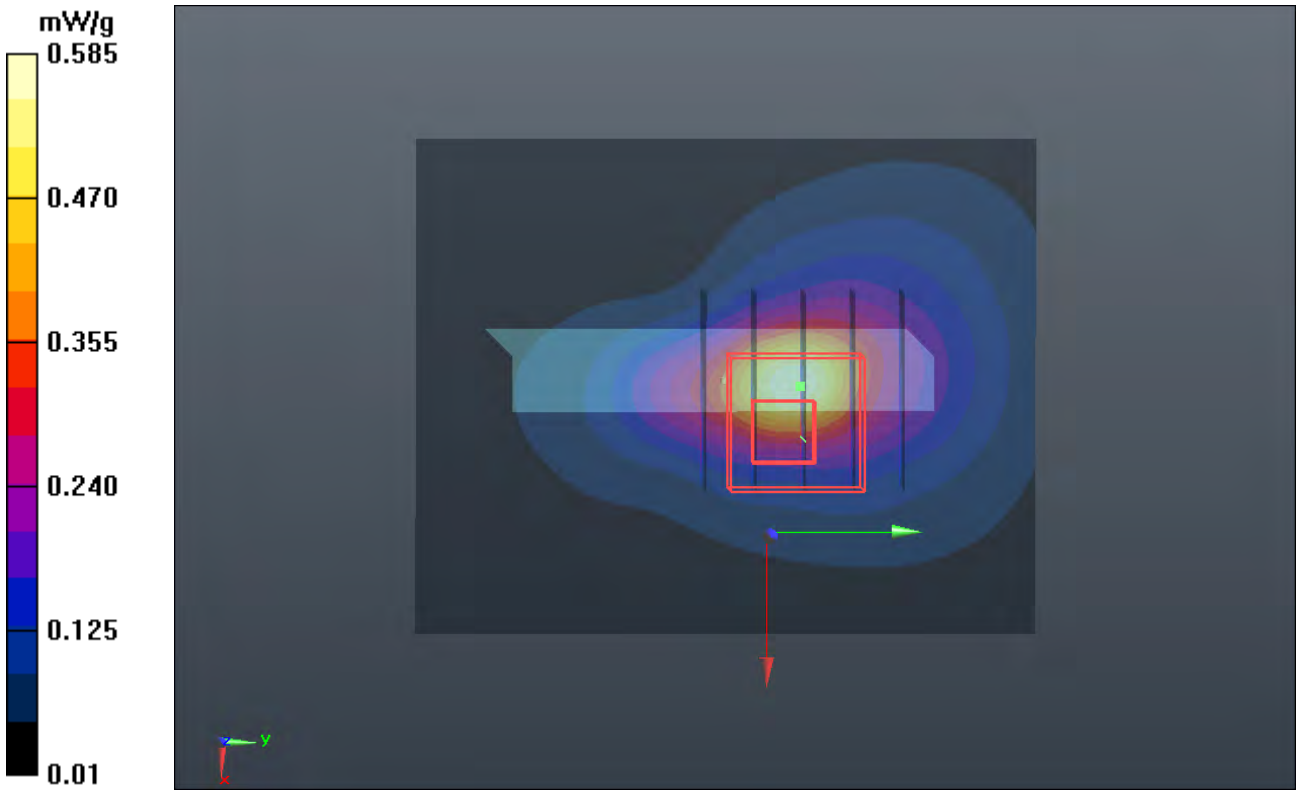
DUT: 111130C18

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0114 Medium parameters used: f = 1880 MHz; σ = 1.495 mho/m; ε_r = 53.778; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch9400/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.585 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.418 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 0.6480
SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.504 mW/g



P48 802.11b_Front Face_1cm_Ch6

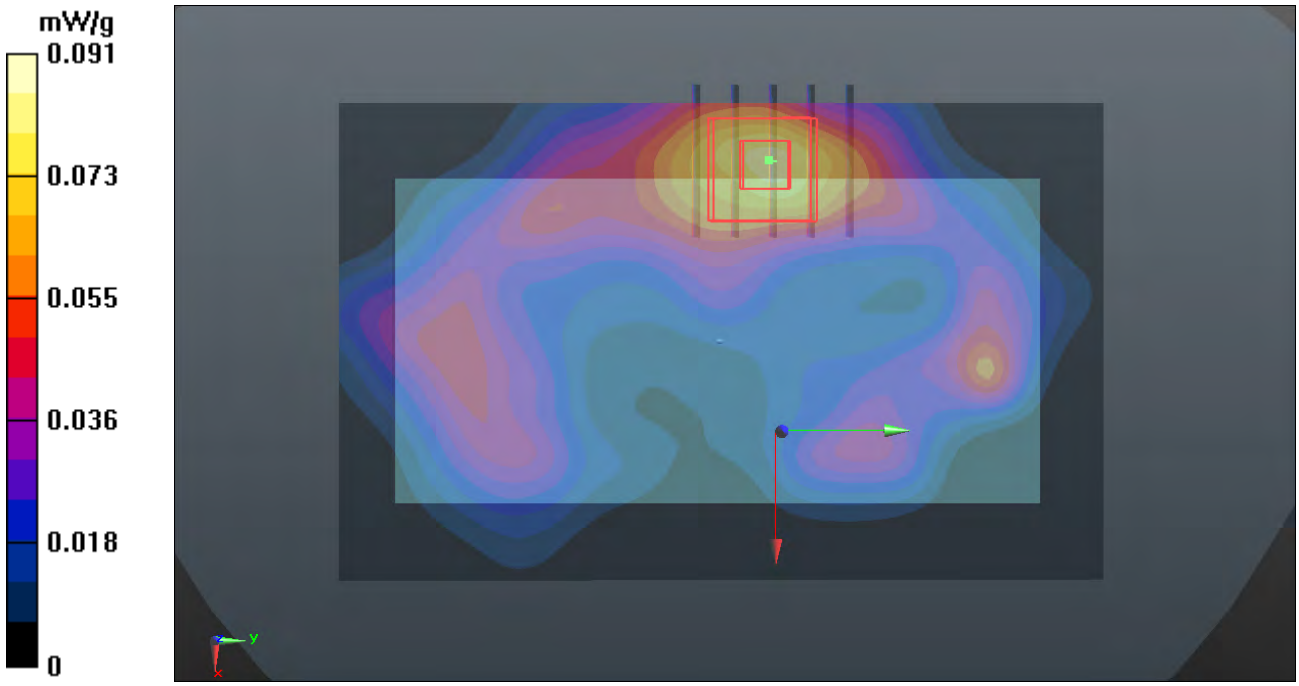
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.959 mho/m; ε_r = 50.983; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.082 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.879 V/m; Power Drift = 0.161 dB
Peak SAR (extrapolated) = 0.123 W/kg
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.091 mW/g



P44 802.11b_Rear Face_1cm_Ch6

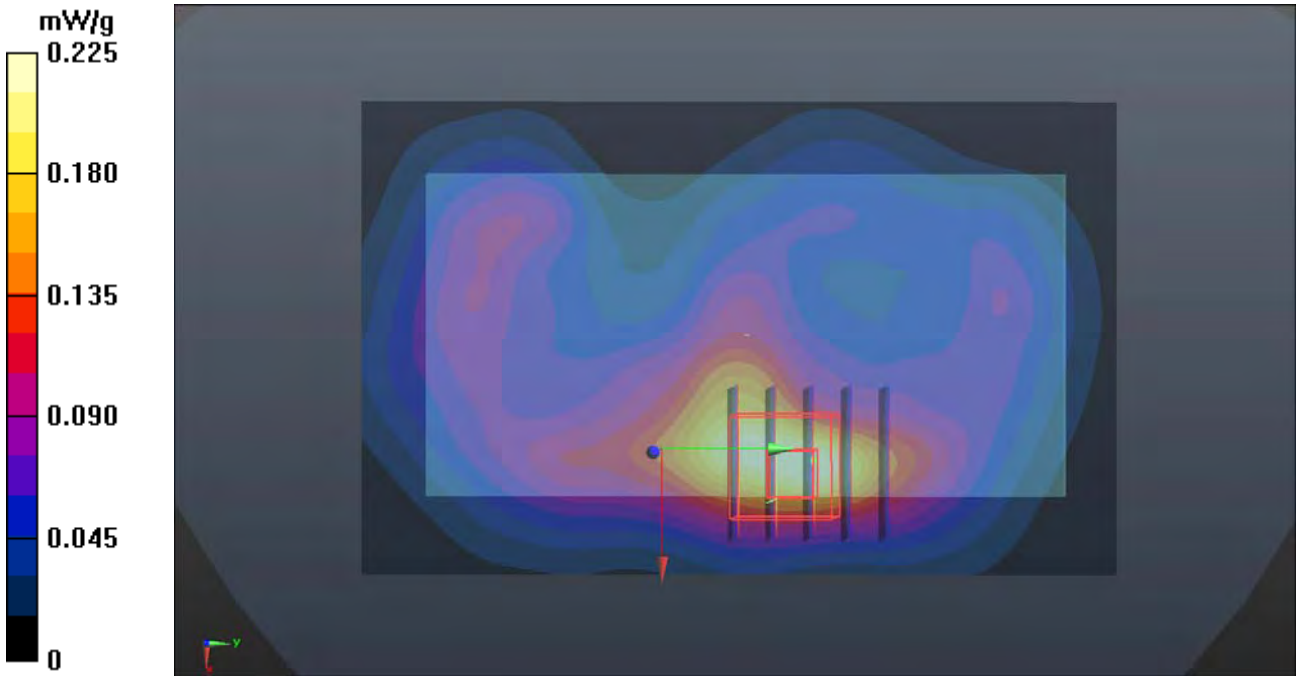
DUT: 111130C18

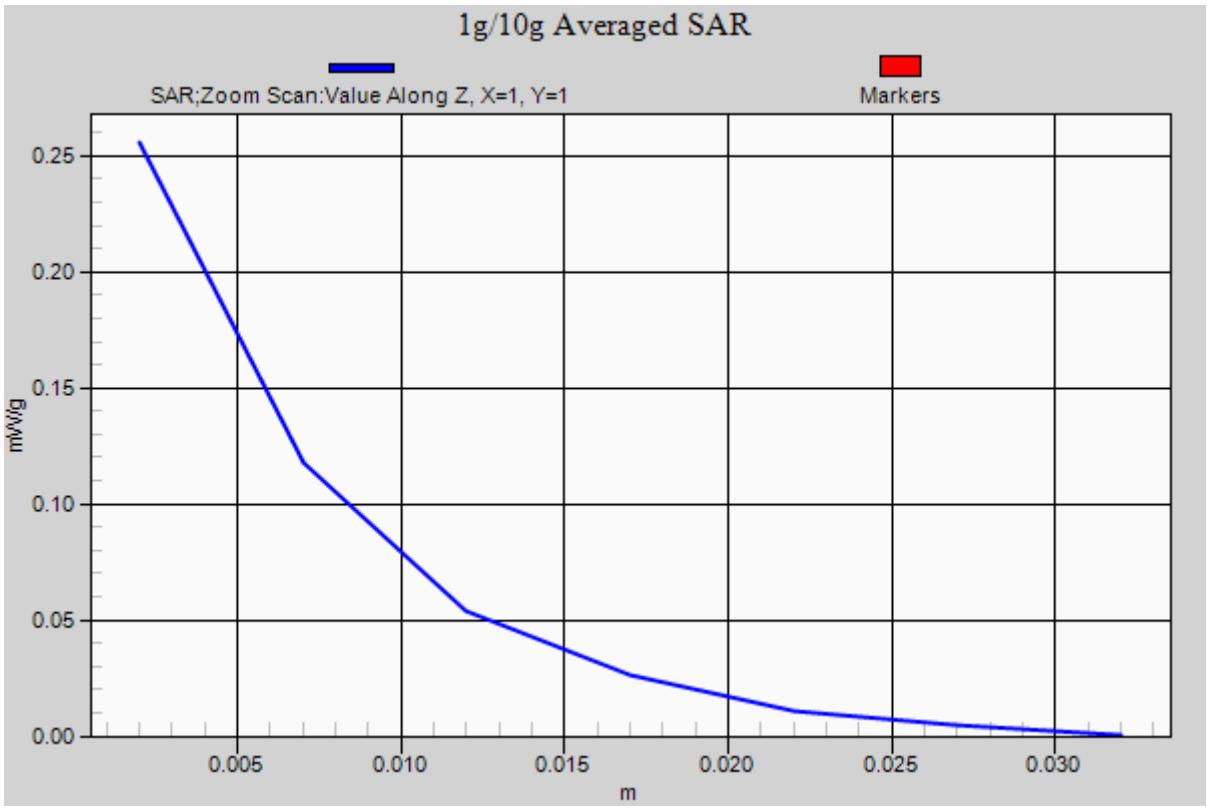
Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.959 mho/m; ε_r = 50.983; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.6.4 (4989)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.225 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.796 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.3750
SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.256 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=1, Y=1
Markers
0.25
0.20
0.15
0.10
0.05
0.00
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

P49 802.11b_Left Side_1cm_Ch6

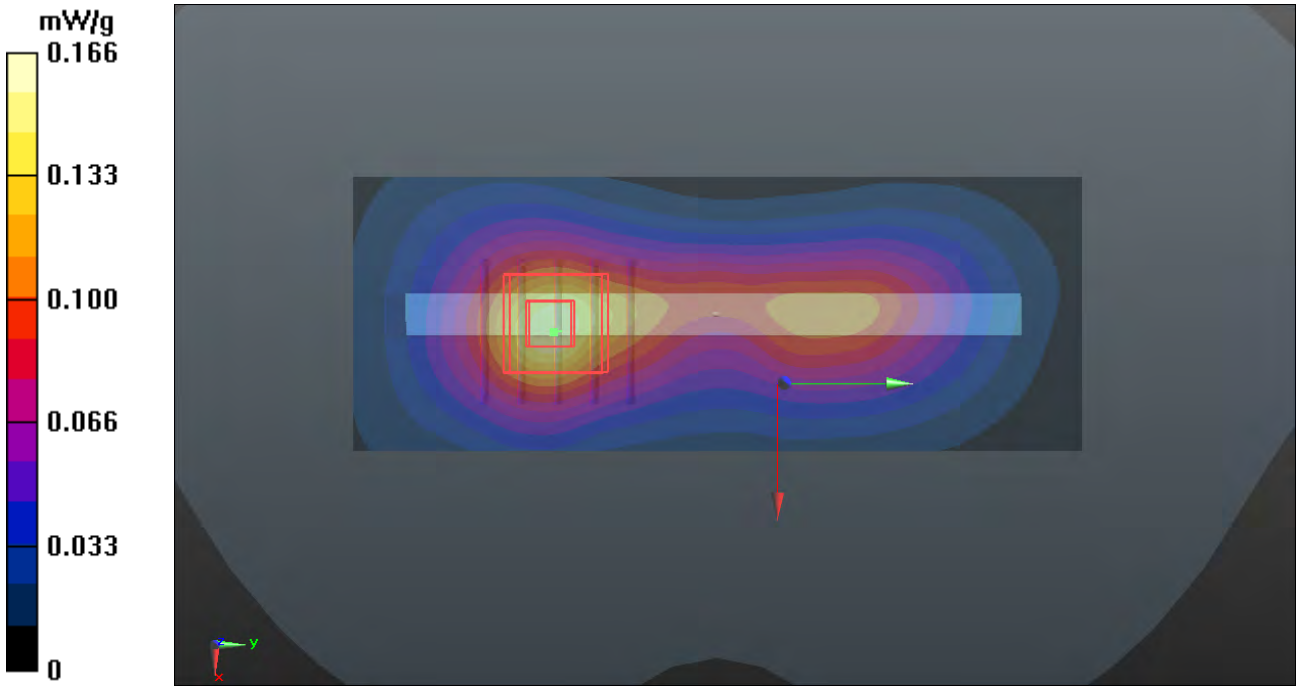
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.959 mho/m; ε_r = 50.983; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.155 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.052 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.216 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.064 mW/g
Maximum value of SAR (measured) = 0.166 mW/g



P51 802.11b_Top Side_1cm_Ch6

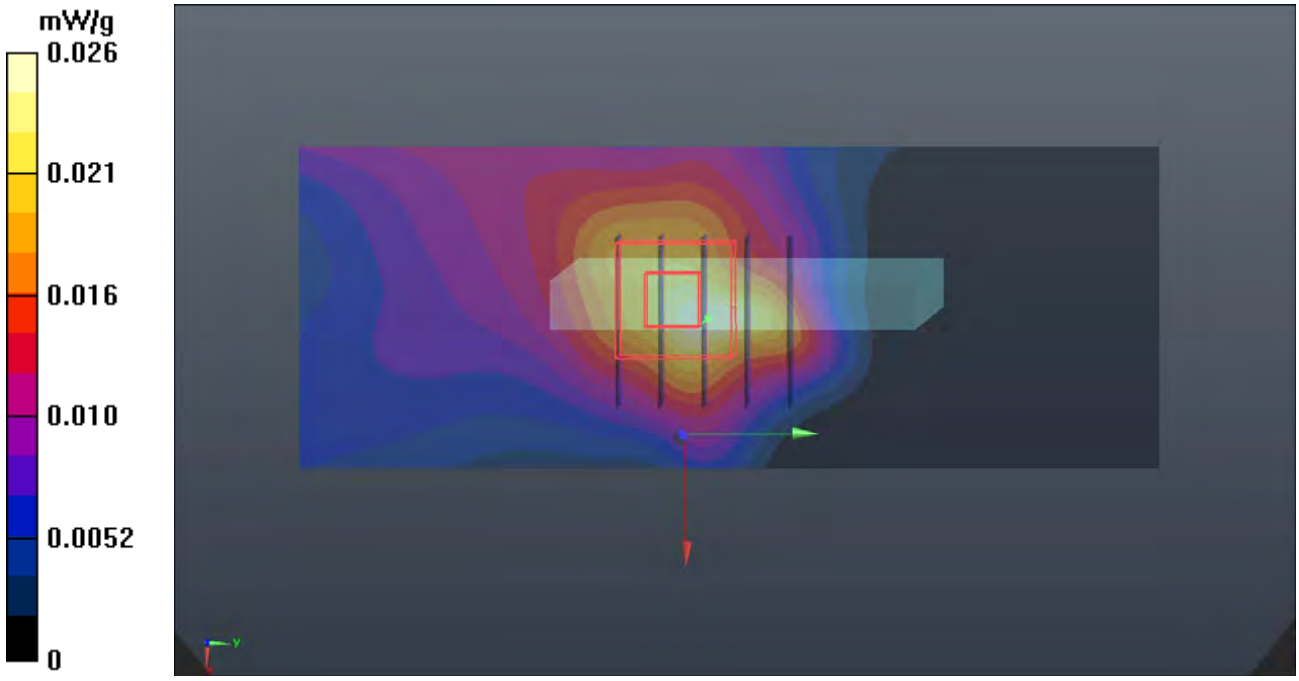
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.959 mho/m; ε_r = 50.983; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.6.4 (4989)

Ch6/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.026 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.379 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.0710
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00846 mW/g
Maximum value of SAR (measured) = 0.022 mW/g



P52 802.11b_Bottom Side_1cm_Ch6

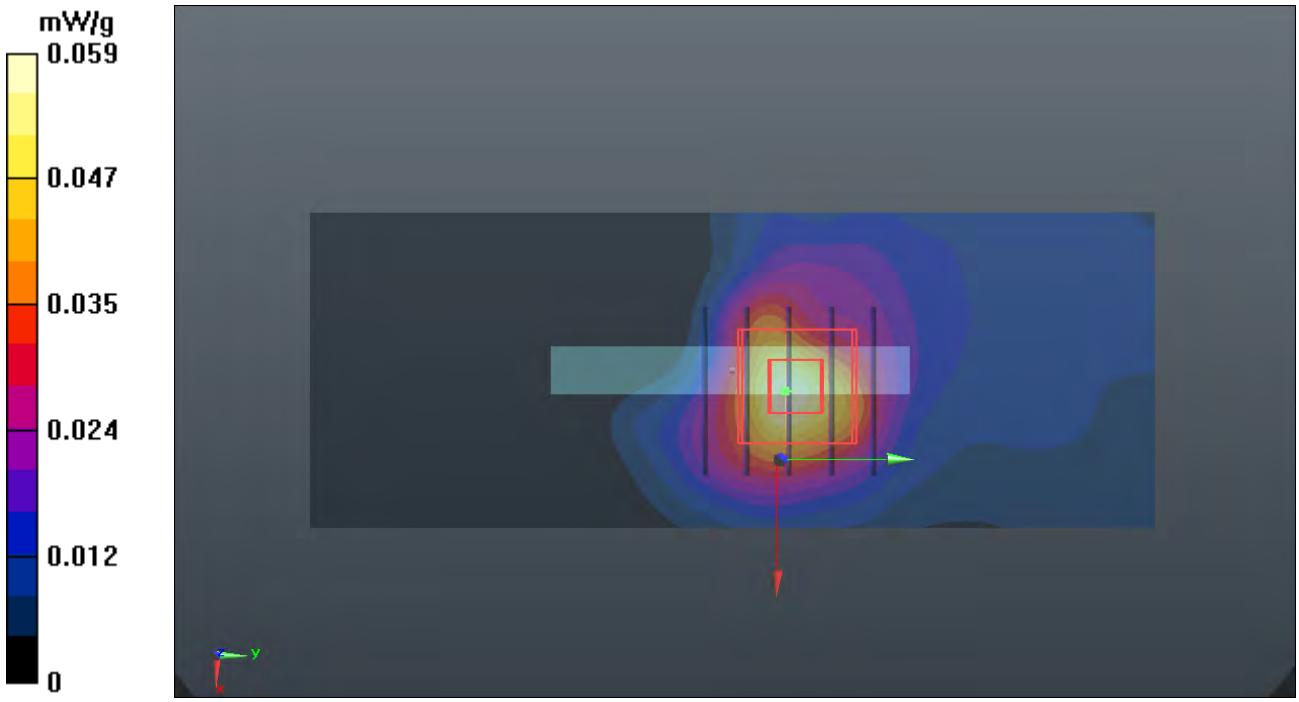
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_1222 Medium parameters used: f = 2437 MHz; σ = 1.959 mho/m; ε_r = 50.983; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.6.4 (4989)

Ch6/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.059 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.074 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0870
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.069 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/03

P97 802.11b_Rear Face_1cm_Ch6_Earphone

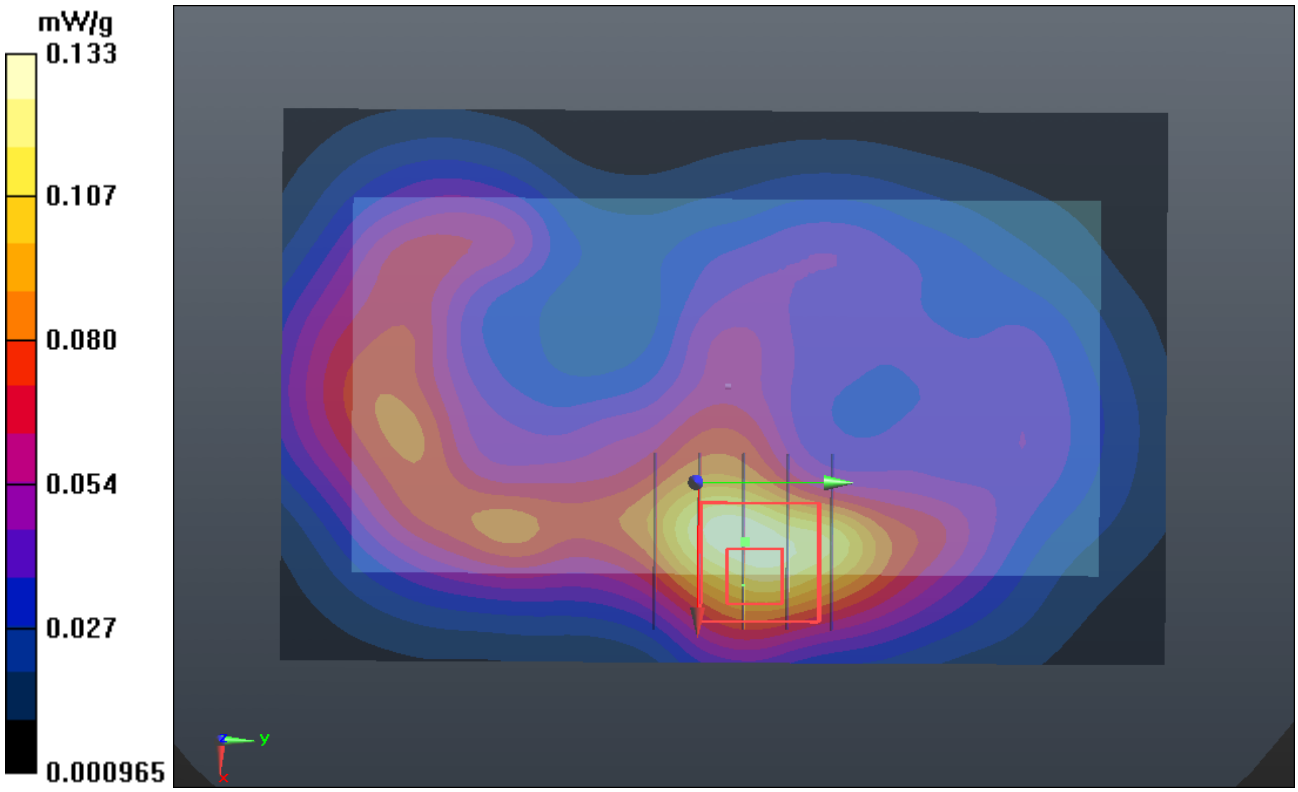
DUT: 111130C18

Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0103 Medium parameters used: f = 2437 MHz; σ = 1.949 mho/m; ε_r = 51.366; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.91, 7.91, 7.91); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.133 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.808 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.2410
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.175 mW/g



P123 802.11b_Front Face_1cm_Ch6_Battery2

DUT: 111130C18

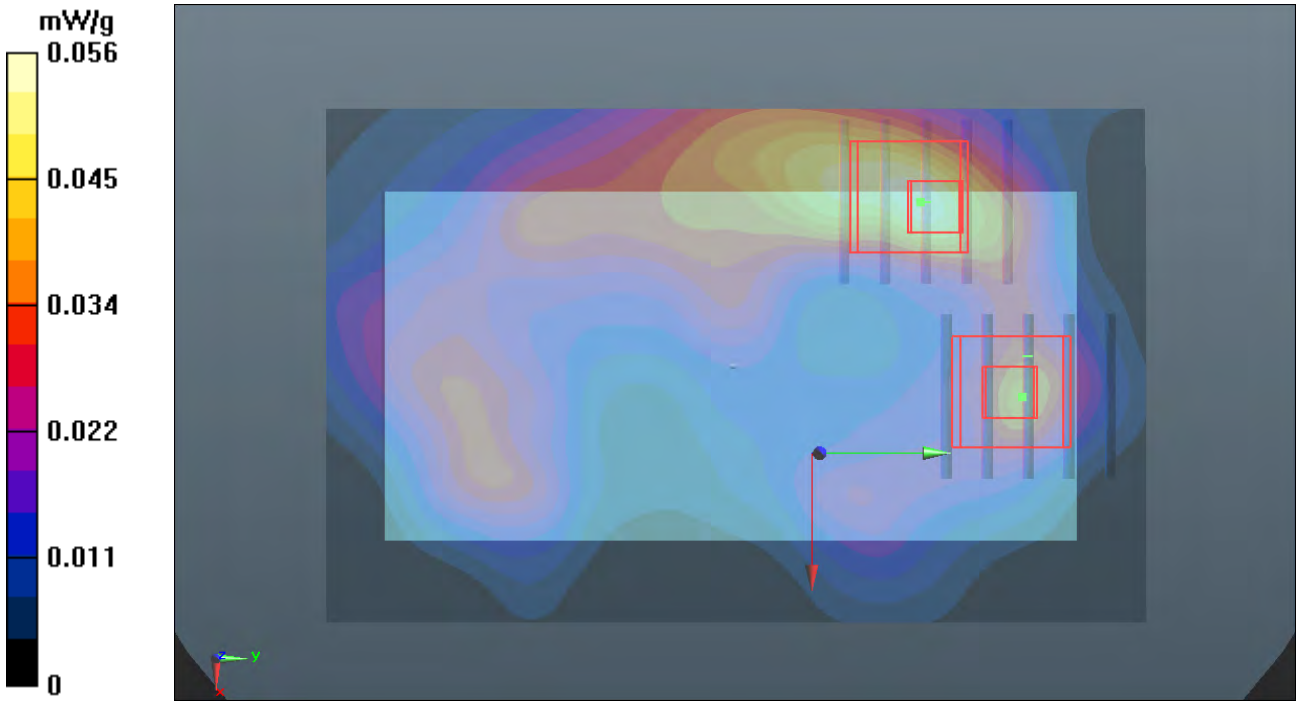
Communication System: WLAN 2450; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0116 Medium parameters used: f = 2437 MHz; σ = 1.954 mho/m; ε_r = 51.001; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.056 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.162 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0680
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.053 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.162 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0450
SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.036 mW/g



P98 802.11a_Front Face_1cm_Ch36

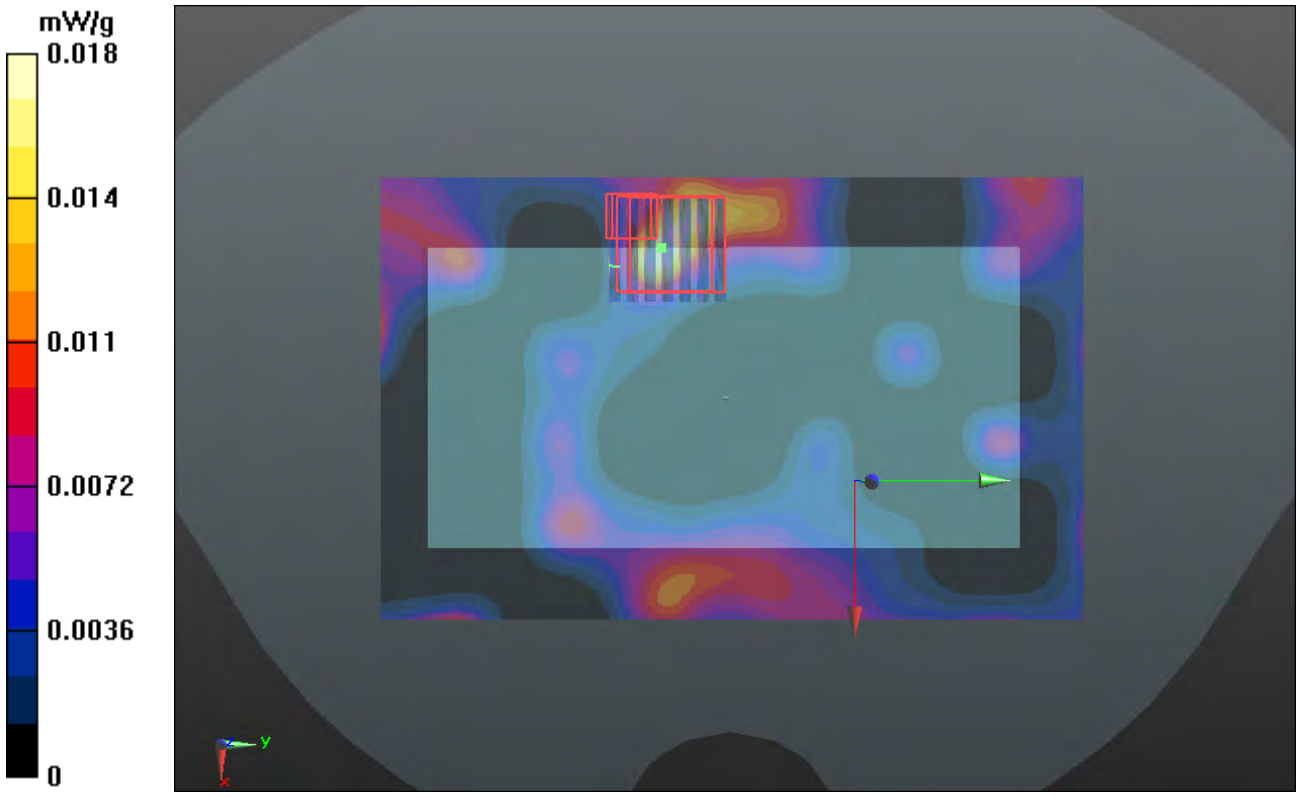
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5180 MHz; σ = 5.155 mho/m; ε_r = 47.497; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.019 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.433 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 0.0670
SAR(1 g) = 0.00735 mW/g; SAR(10 g) = 0.00284 mW/g
Maximum value of SAR (measured) = 0.018 mW/g



P99 802.11a_Rear Face_1cm_Ch36

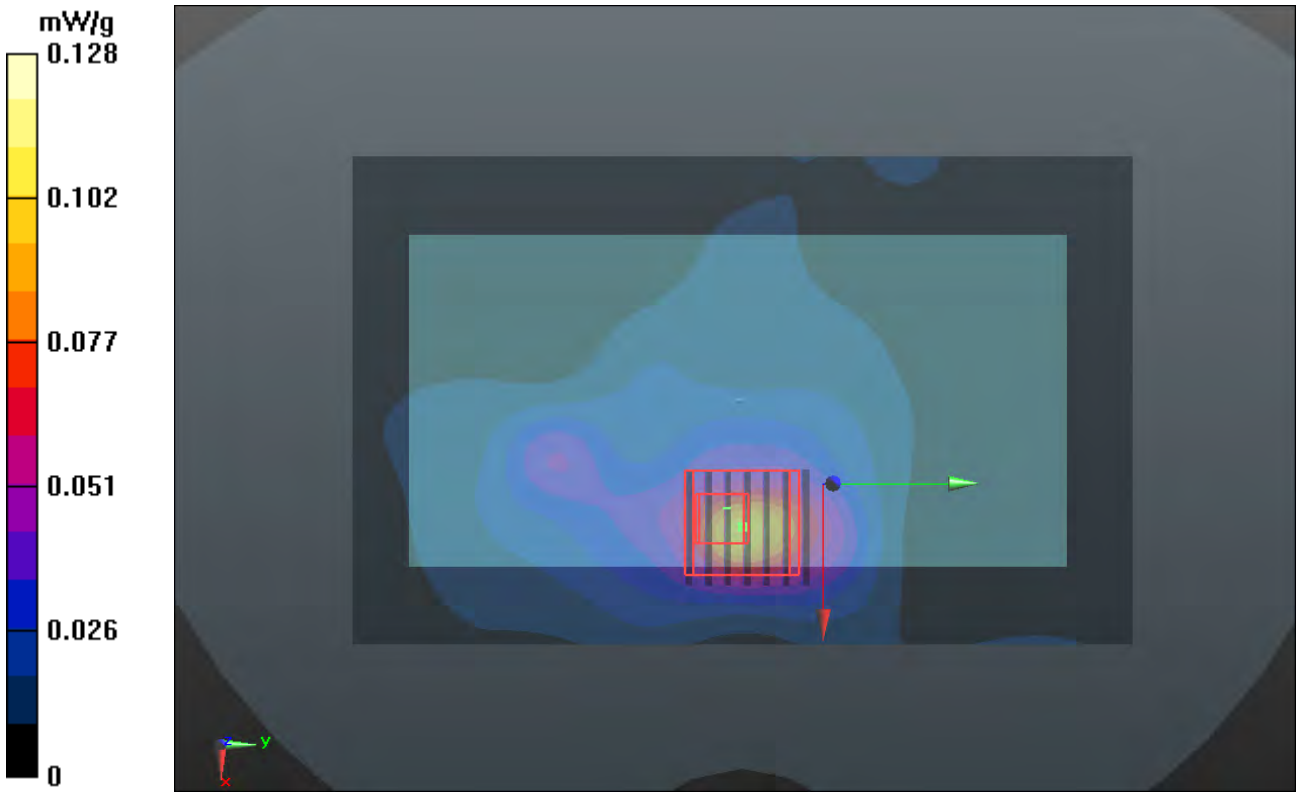
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5180 MHz; σ = 5.155 mho/m; ε_r = 47.497; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.101 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.944 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.2390
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.128 mW/g



P100 802.11a_Left Side_1cm_Ch36

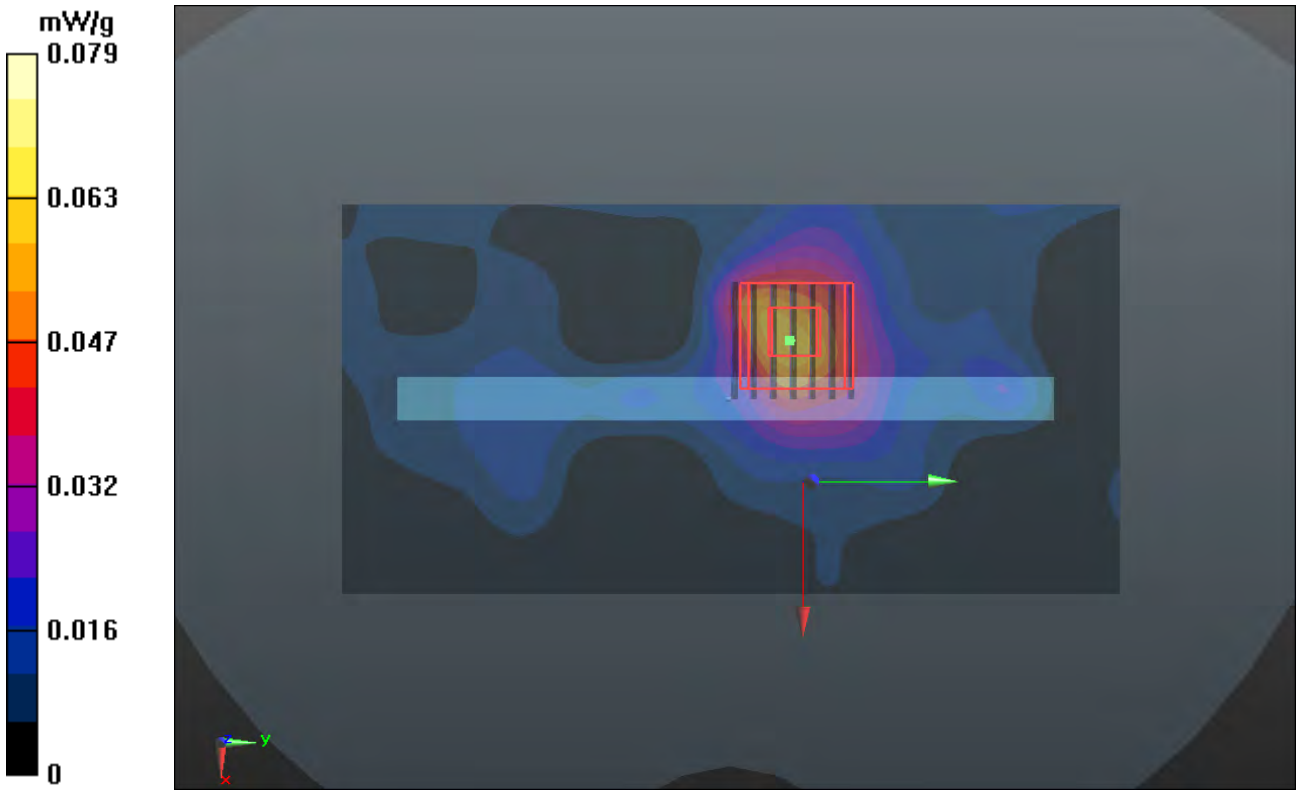
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5180 MHz; σ = 5.155 mho/m; ε_r = 47.497; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (81x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.063 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.158 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.1630
SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.079 mW/g



P102 802.11a_Top Side_1cm_Ch36

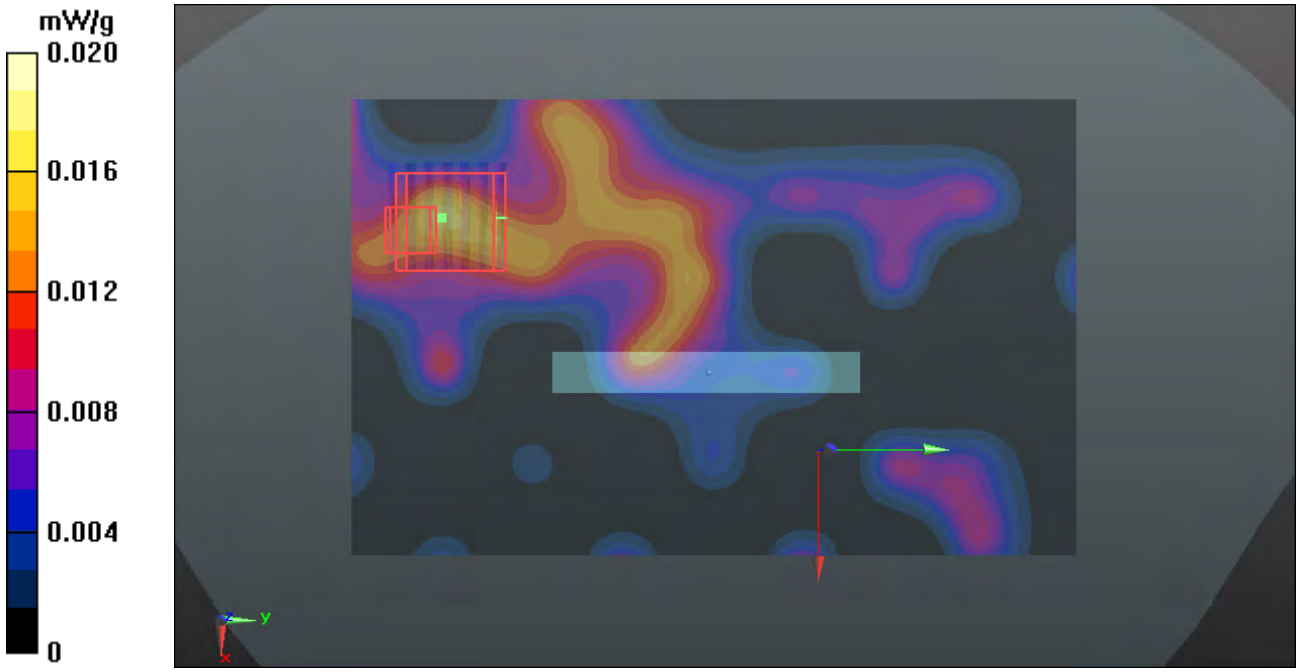
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5180 MHz; σ = 5.155 mho/m; ε_r = 47.497; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.017 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.058 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.0780
SAR(1 g) = 0.00692 mW/g; SAR(10 g) = 0.00288 mW/g
Maximum value of SAR (measured) = 0.020 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/04

P103 802.11a_Bottom Side_1cm_Ch36

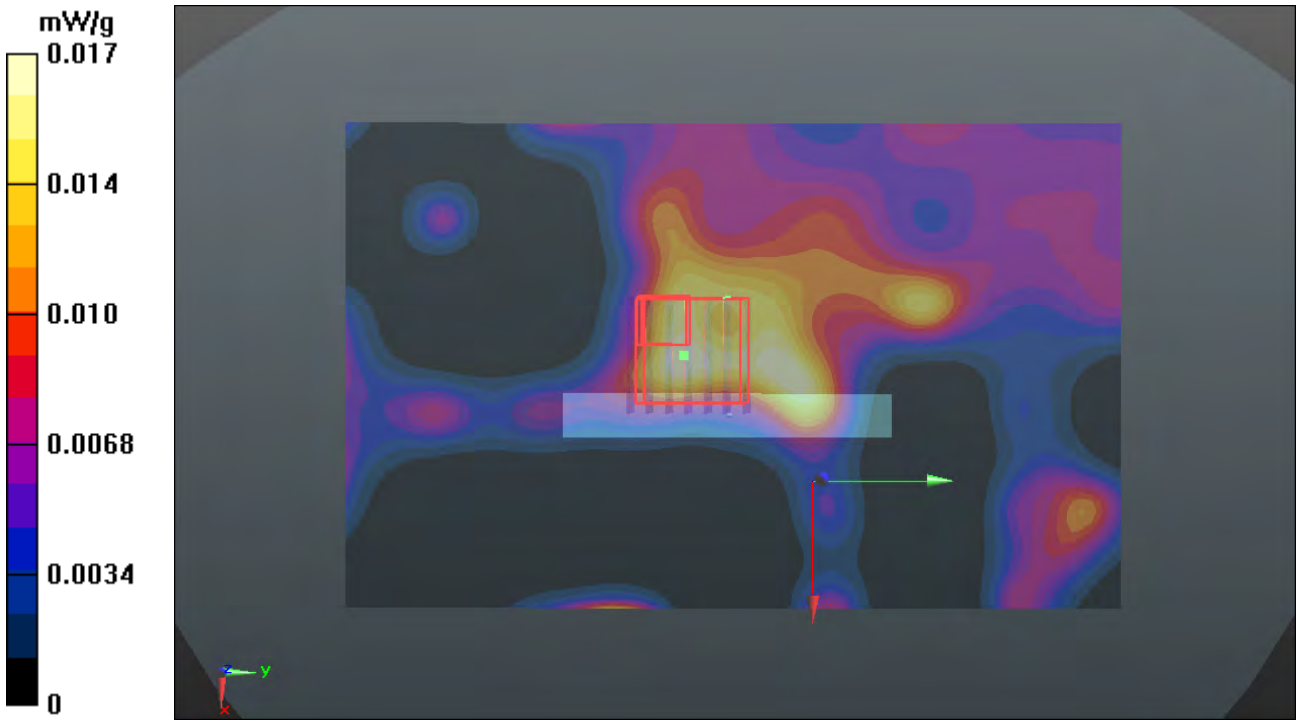
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5180 MHz; σ = 5.155 mho/m; ε_r = 47.497; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.017 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.040 V/m; Power Drift = -0.130 dB
Peak SAR (extrapolated) = 0.0740
SAR(1 g) = 0.0068 mW/g; SAR(10 g) = 0.00276 mW/g
Maximum value of SAR (measured) = 0.017 mW/g



P104 802.11a_Rear Face_1cm_Ch36_Earphone

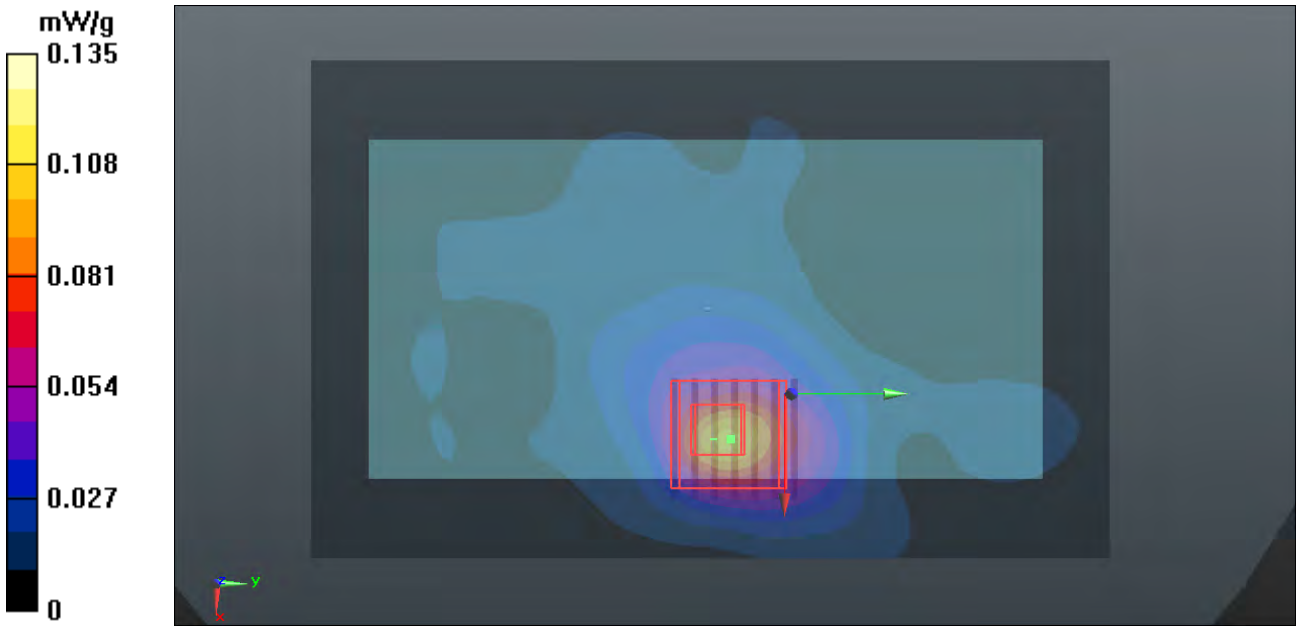
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5180 MHz; σ = 5.155 mho/m; ε_r = 47.497; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.102 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.341 V/m; Power Drift = -0.131 dB
Peak SAR (extrapolated) = 0.2450
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.135 mW/g



P105 802.11a_Rear Face_1cm_Ch36_Battery2

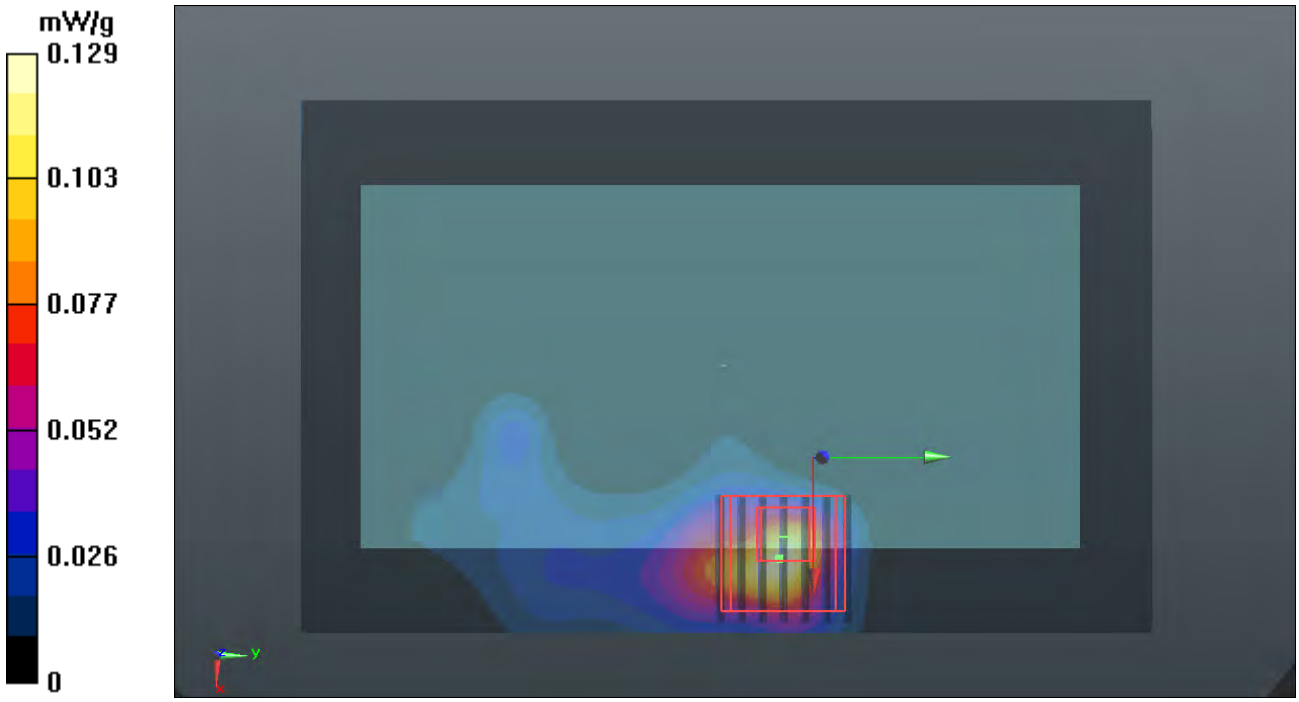
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: B5G_0116 Medium parameters used: f = 5180 MHz; σ = 5.161 mho/m; ε_r = 48.067; ρ = 1000 kg/m^3
Ambient Temperature：21.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch36/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.129 mW/g

Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.221 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 0.1410
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.067 mW/g



P106 802.11a_Front Face_1cm_Ch64

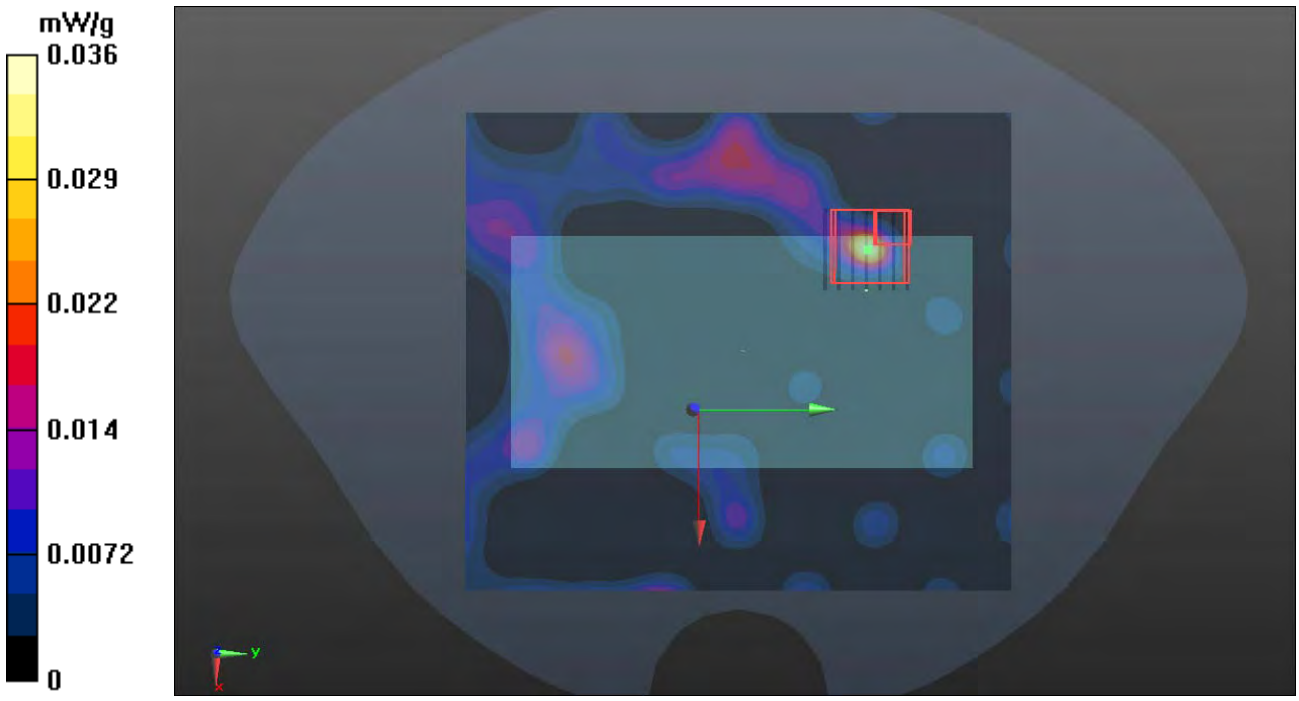
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5320 MHz; σ = 5.352 mho/m; ε_r = 47.588; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.56, 4.56, 4.56); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (141x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.036 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.654 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0530
SAR(1 g) = 0.00384 mW/g; SAR(10 g) = 0.00057 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



P107 802.11a_Rear Face_1cm_Ch64

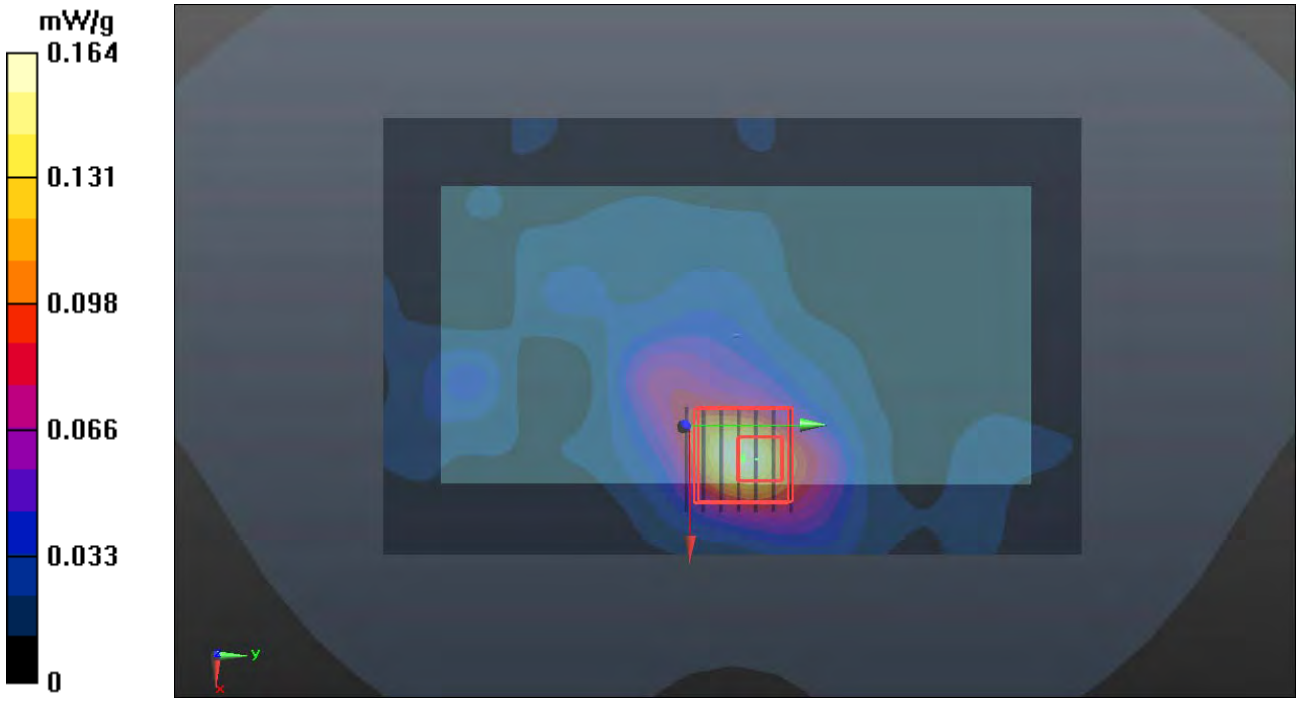
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5320 MHz; σ = 5.352 mho/m; ε_r = 47.588; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.56, 4.56, 4.56); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.164 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.944 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.3430
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.193 mW/g



P108 802.11a_Left Side_1cm_Ch64

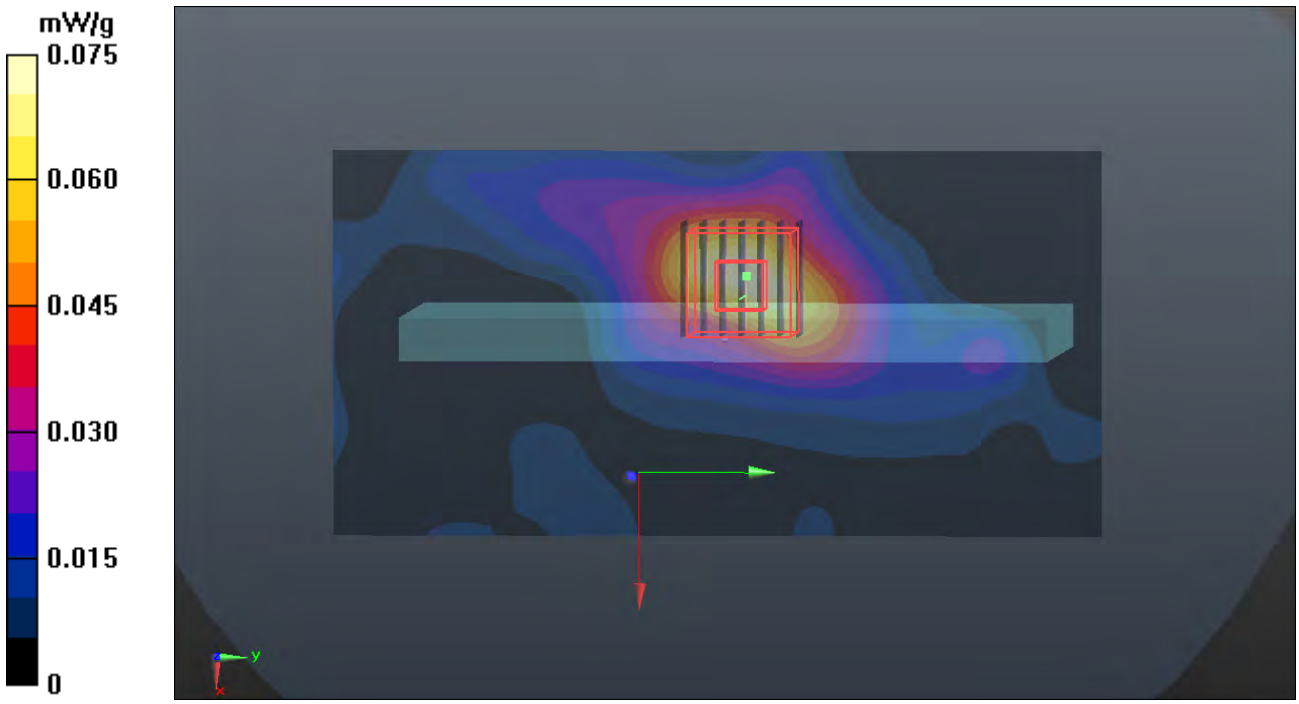
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5320 MHz; σ = 5.352 mho/m; ε_r = 47.588; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.56, 4.56, 4.56); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (81x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.075 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.268 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.2020
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.110 mW/g



P110 802.11a_Top Side_1cm_Ch64

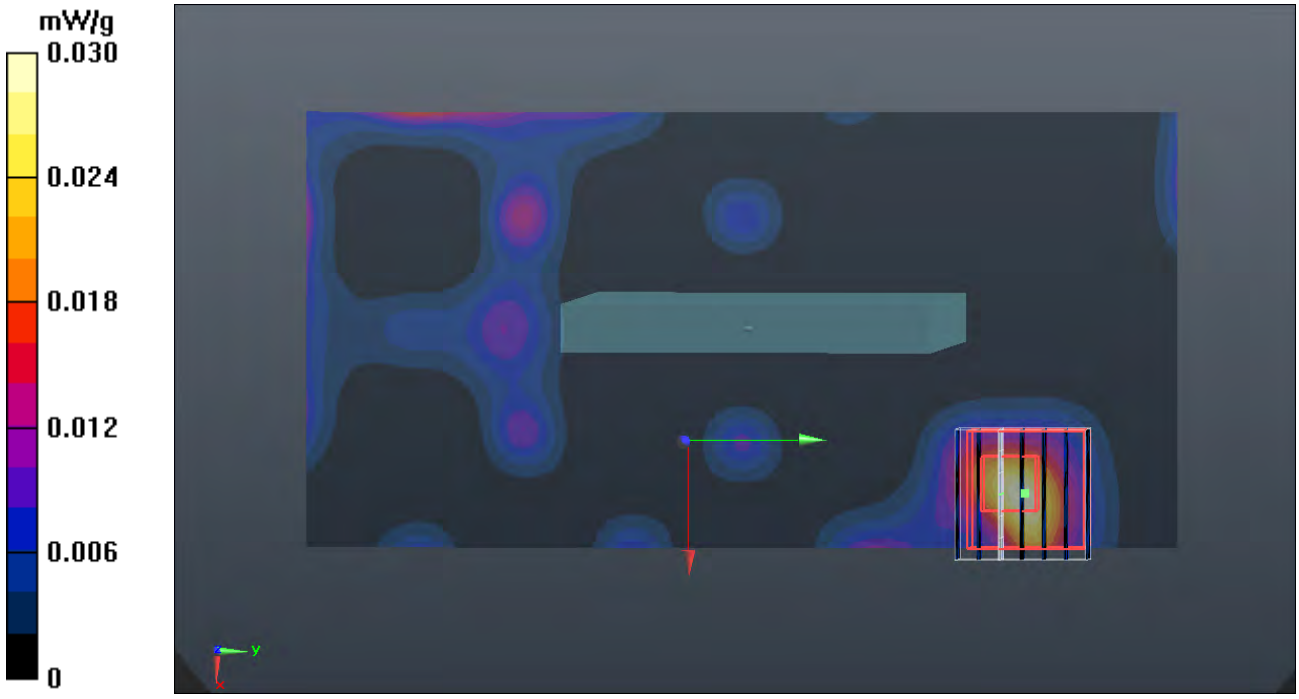
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5320 MHz; σ = 5.352 mho/m; ε_r = 47.588; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.56, 4.56, 4.56); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (81x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.030 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.055 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0450
SAR(1 g) = 0.0025 mW/g; SAR(10 g) = 0.000533 mW/g
Maximum value of SAR (measured) = 0.011 mW/g



P111 802.11a_Bottom Side_1cm_Ch64

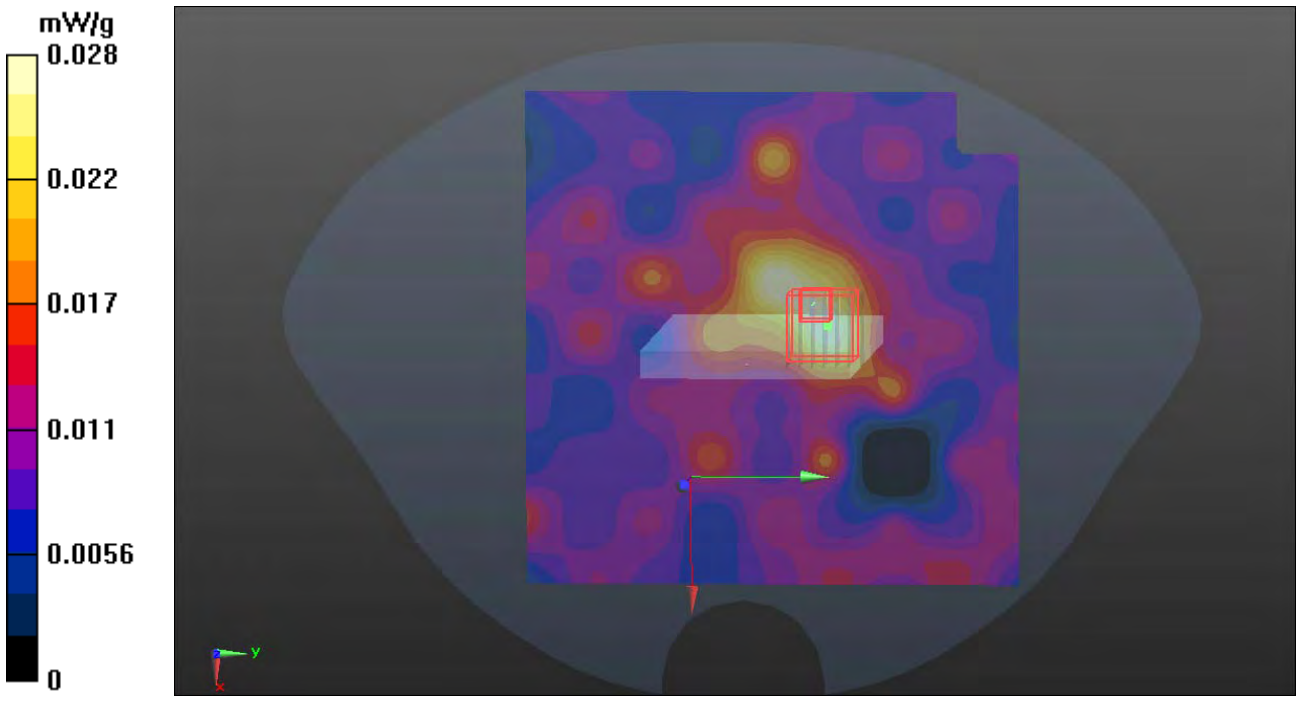
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5320 MHz; σ = 5.352 mho/m; ε_r = 47.588; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.56, 4.56, 4.56); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (161x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.028 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.307 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.1330
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00712 mW/g
Maximum value of SAR (measured) = 0.040 mW/g



P112 802.11a_Rear Face_1cm_Ch64_Earphone

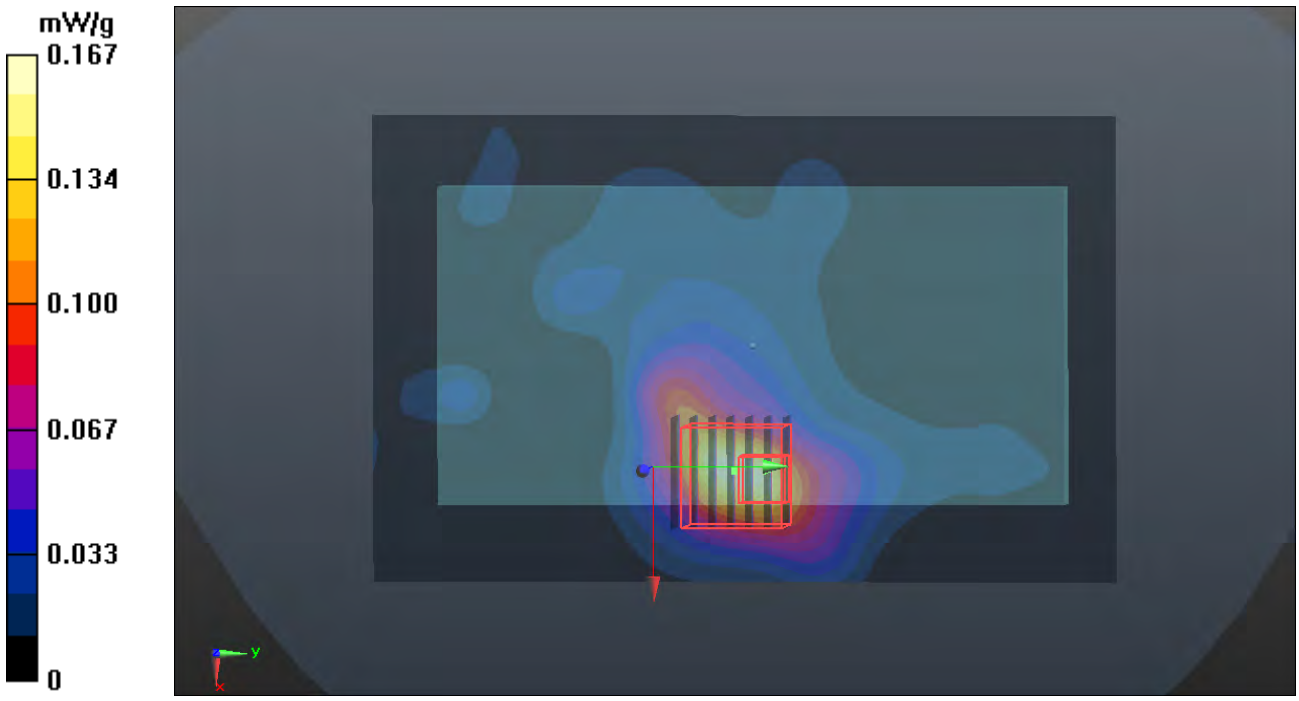
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5320 MHz; σ = 5.352 mho/m; ε_r = 47.588; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.56, 4.56, 4.56); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch64/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.167 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.842 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.3580
SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.177 mW/g



P113 802.11a_Rear Face_1cm_Ch52_Battery2

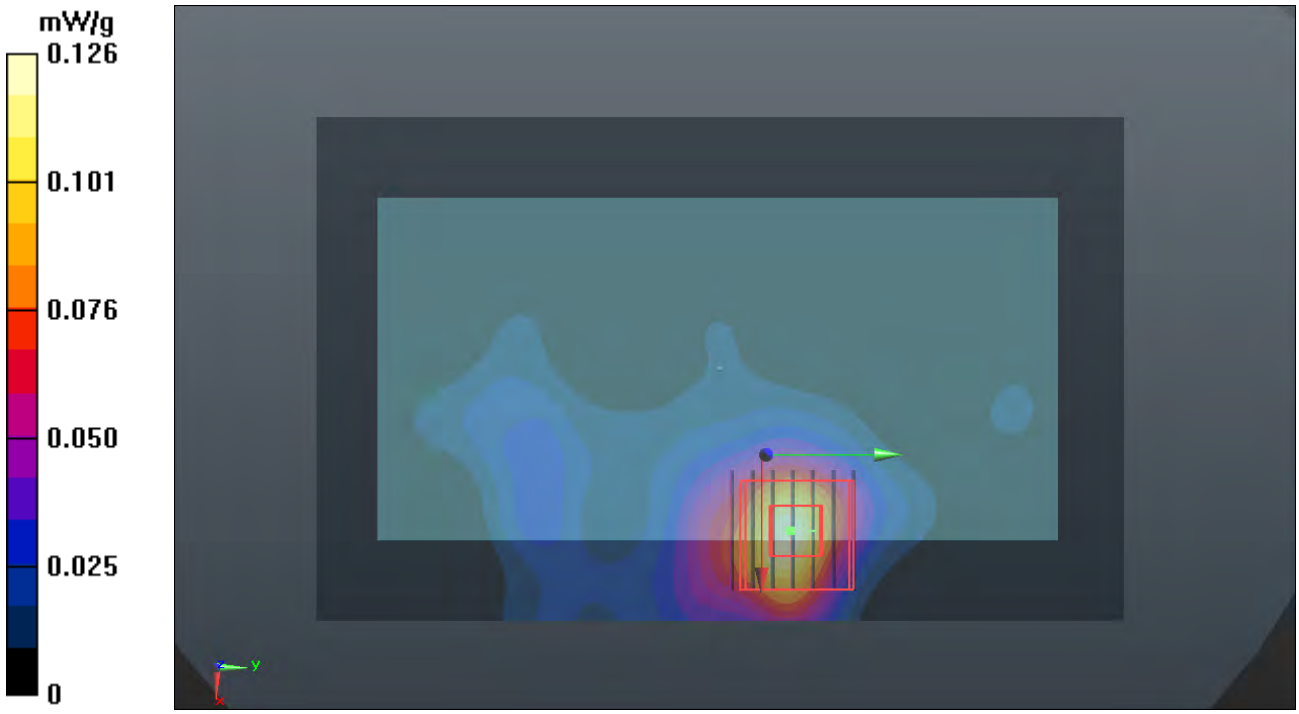
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: B5G_0116 Medium parameters used: f = 5260 MHz; σ = 5.313 mho/m; ε_r = 48.107; ρ = 1000 kg/m^3
Ambient Temperature：21.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.11, 4.11, 4.11); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch52/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.126 mW/g

Ch52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.004 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 0.1810
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.103 mW/g



P114 802.11a_Front Face_1cm_Ch140

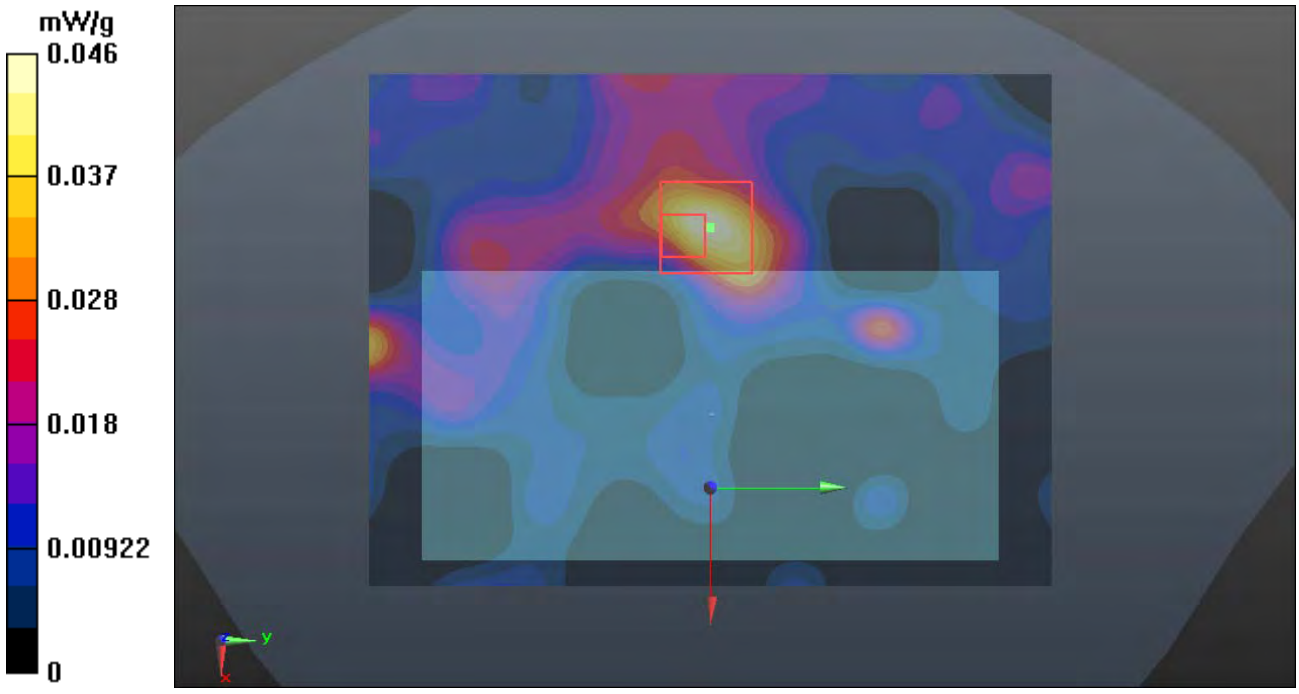
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5700 MHz; σ = 6.037 mho/m; ε_r = 46.565; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.01, 4.01, 4.01); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.046 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.917 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.3880
SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.388 mW/g



P115 802.11a_Rear Face_1cm_Ch140

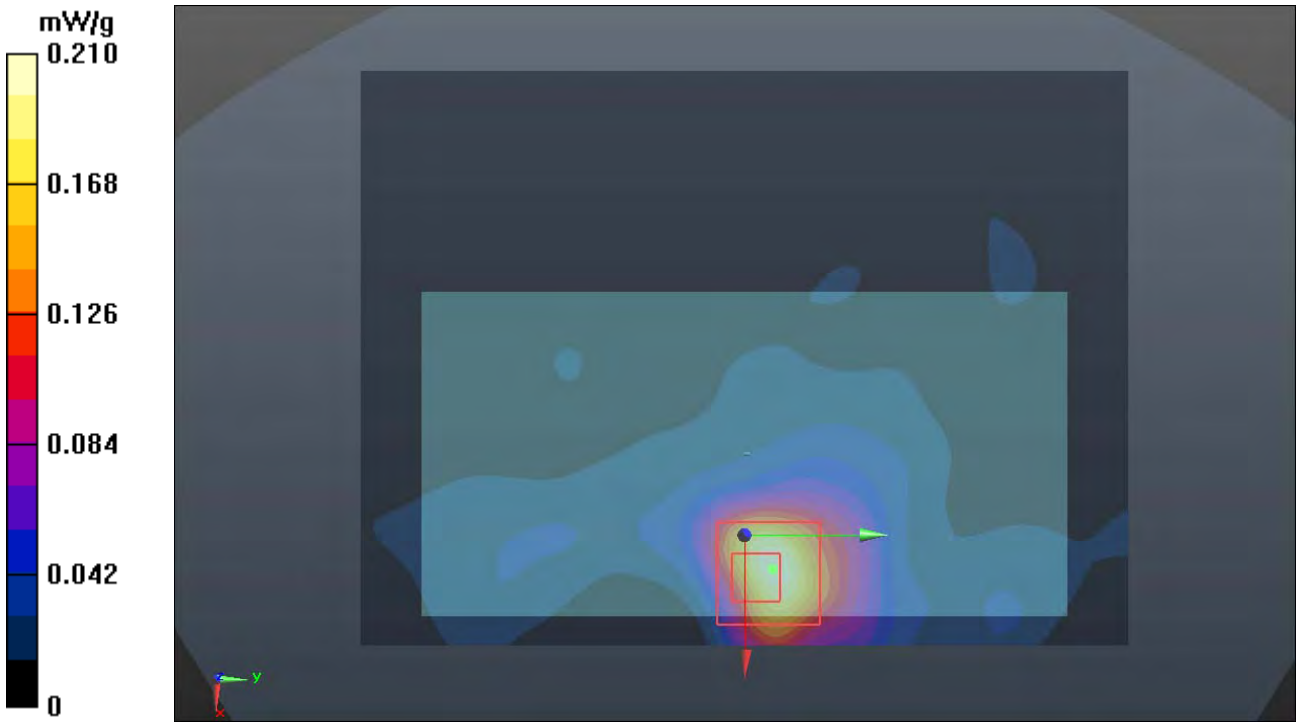
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5700 MHz; σ = 6.037 mho/m; ε_r = 46.565; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.01, 4.01, 4.01); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.210 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.466 V/m; Power Drift = -0.147 dB
Peak SAR (extrapolated) = 0.4130
SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.206 mW/g



P116 802.11a_Left Side_1cm_Ch140

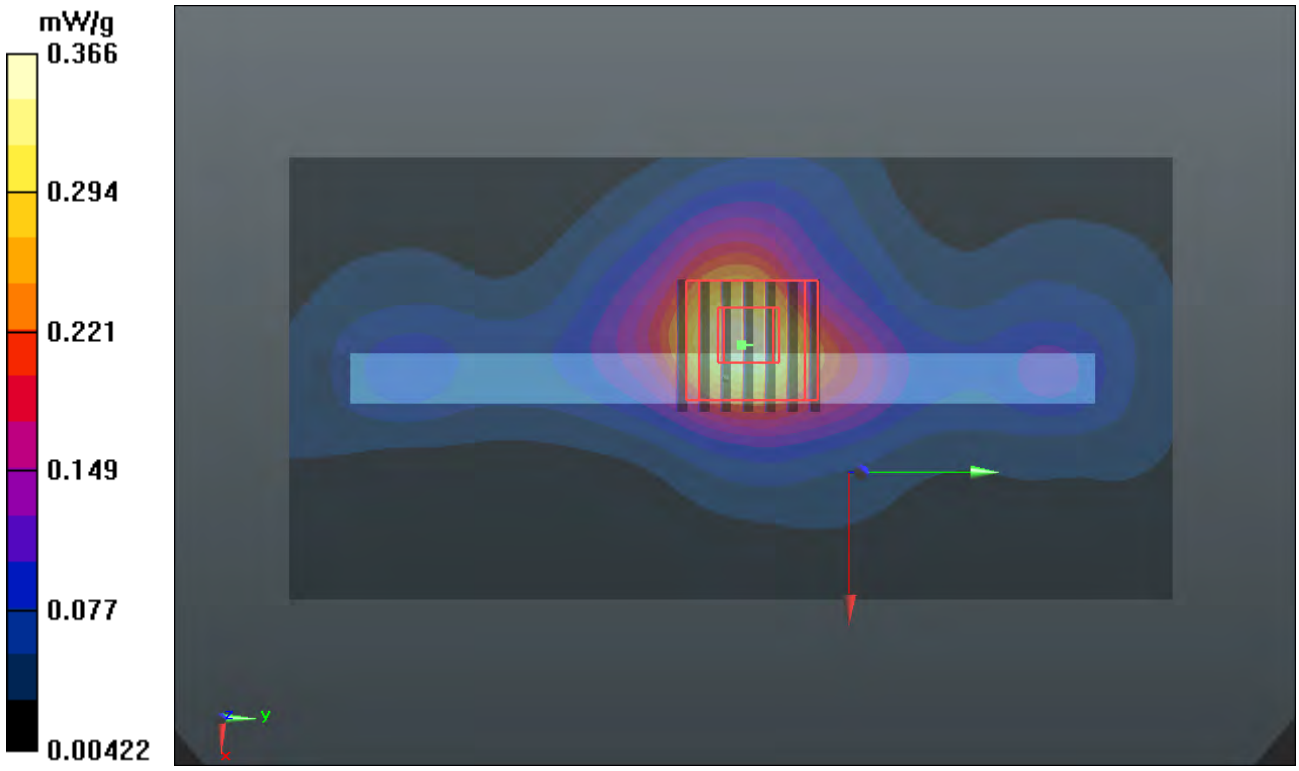
DUT: 111130C18

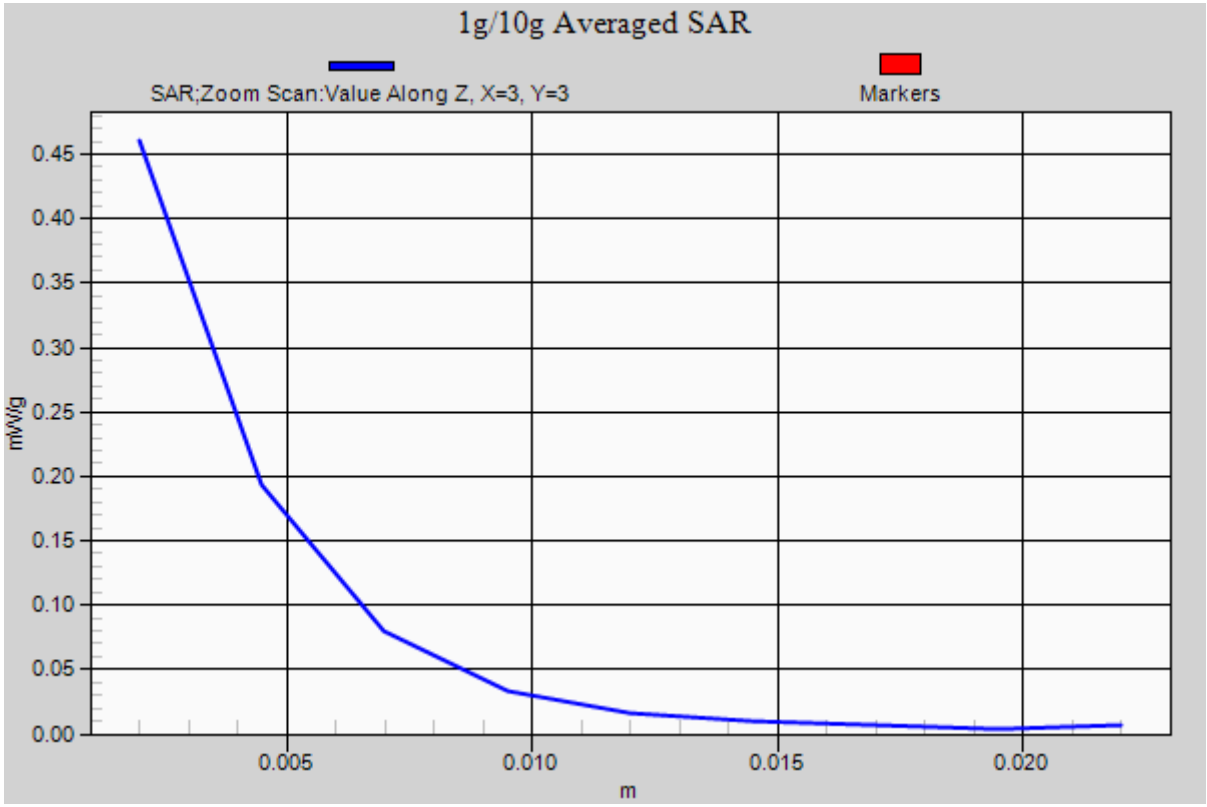
Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5700 MHz; σ = 6.037 mho/m; ε_r = 46.565; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.01, 4.01, 4.01); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (81x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.366 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.738 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.9840
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.460 mW/g




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

P118 802.11a_Top Side_1cm_Ch140

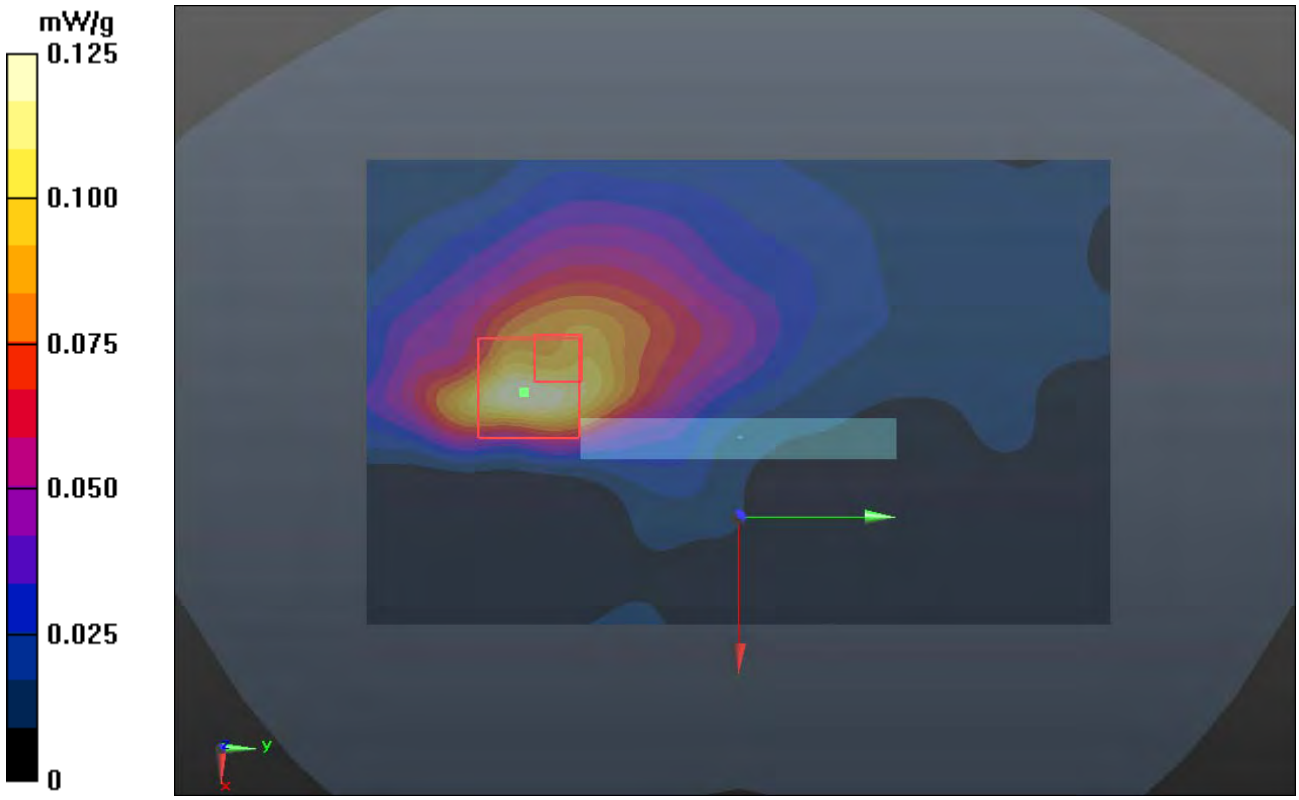
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5700 MHz; σ = 6.037 mho/m; ε_r = 46.565; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.01, 4.01, 4.01); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.125 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.944 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.2230
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.101 mW/g



P119 802.11a_Bottom Side_1cm_Ch140

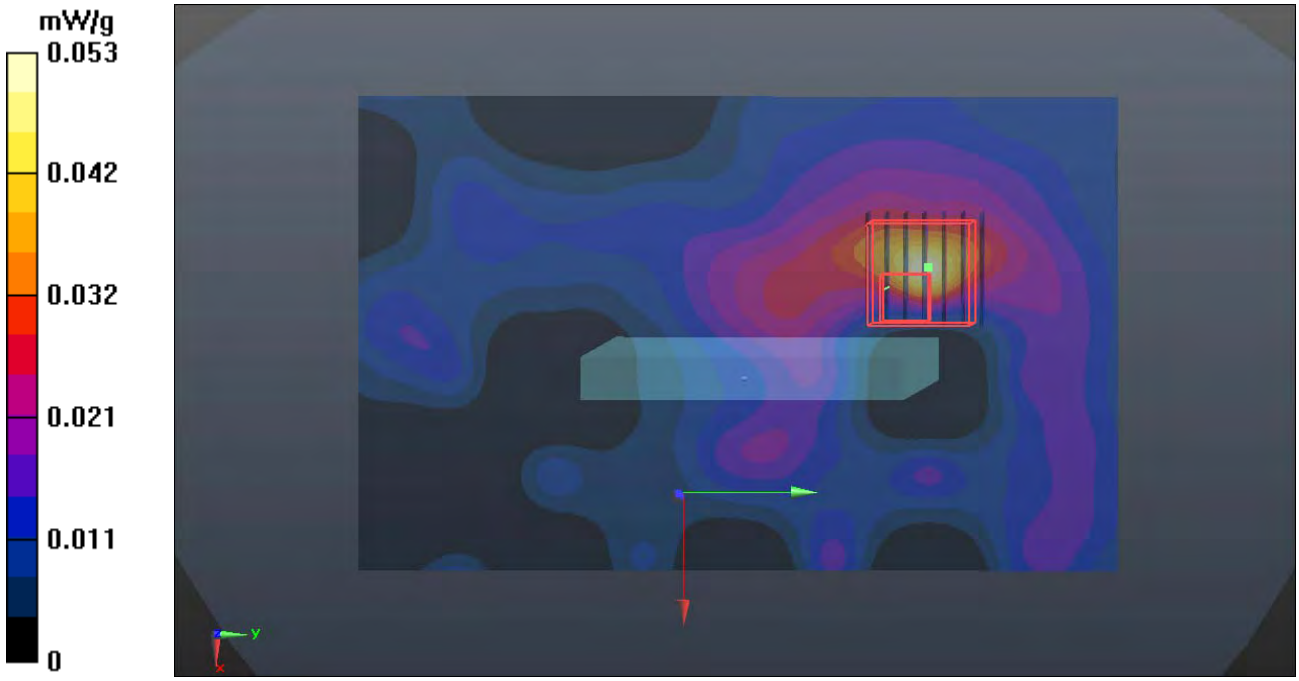
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5700 MHz; σ = 6.037 mho/m; ε_r = 46.565; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.01, 4.01, 4.01); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.053 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.529 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.1710
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.00865 mW/g
Maximum value of SAR (measured) = 0.049 mW/g



P120 802.11a_Rear Face_1cm_Ch140_Earphone

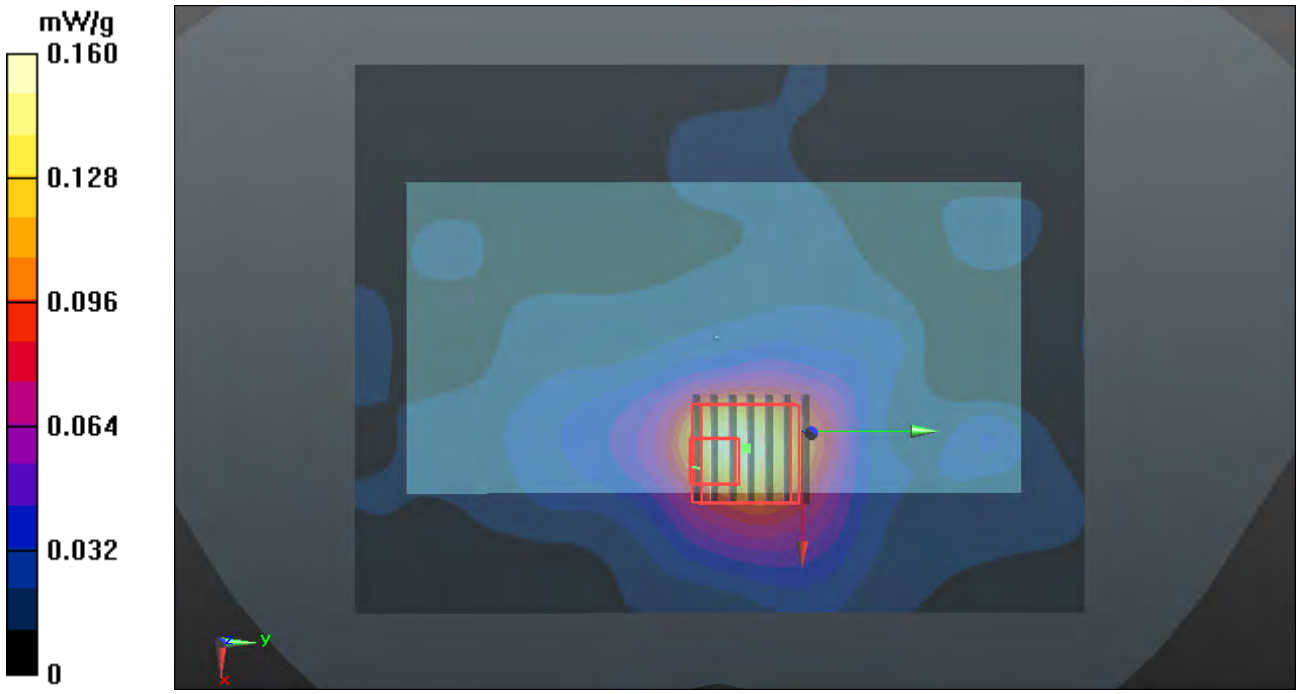
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: B5G_0104 Medium parameters used: f = 5700 MHz; σ = 6.037 mho/m; ε_r = 46.565; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.01, 4.01, 4.01); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.160 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.183 V/m; Power Drift = -0.173 dB
Peak SAR (extrapolated) = 0.3900
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.033 mW/g
Maximum value of SAR (measured) = 0.198 mW/g



P121 802.11a_Left Side_Ch140_Battery2

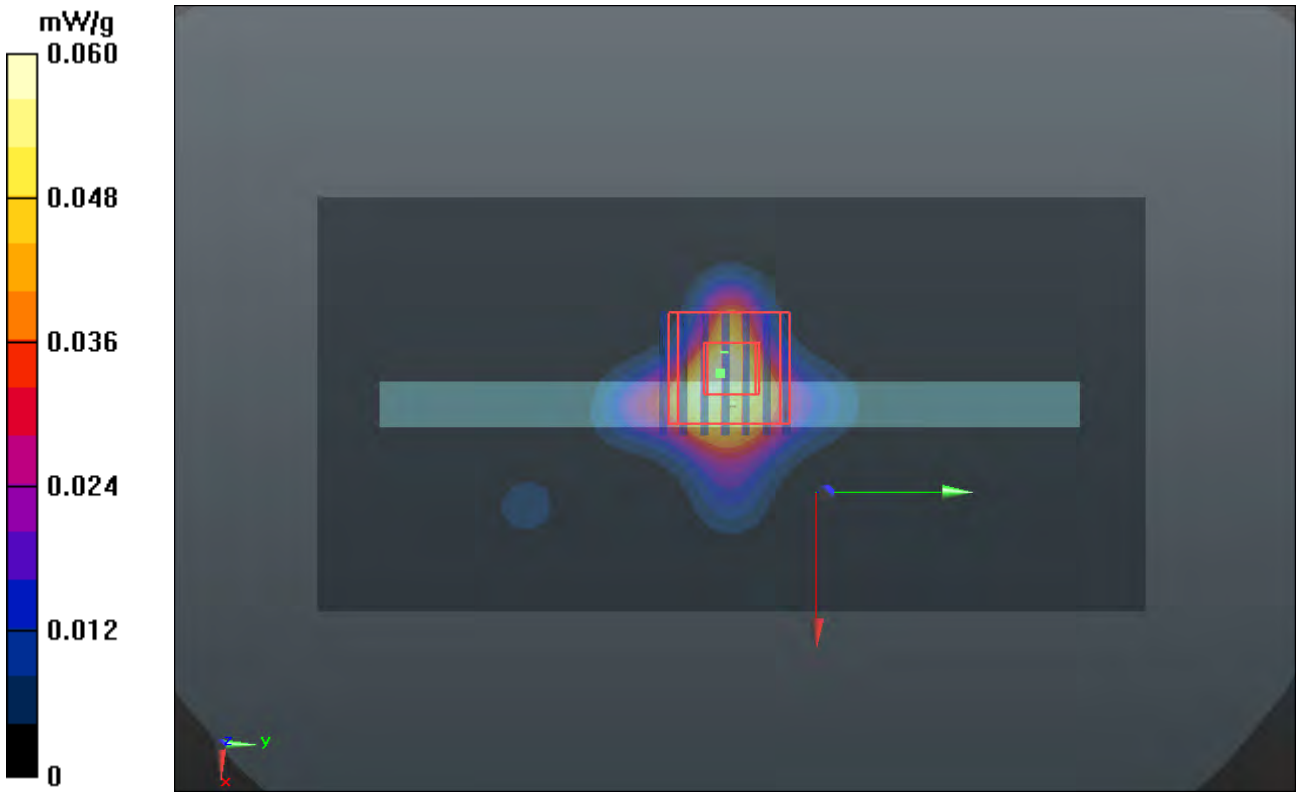
DUT: 111130C18

Communication System: WLAN 5G; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: B5G_0116 Medium parameters used: f = 5700 MHz; σ = 6.052 mho/m; ε_r = 47.174; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.57, 3.57, 3.57); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch140/Area Scan (81x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.060 mW/g

Ch140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.316 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 0.1070
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.00897 mW/g
Maximum value of SAR (measured) = 0.058 mW/g



P69 802.11a_Front Face_1cm_Ch161

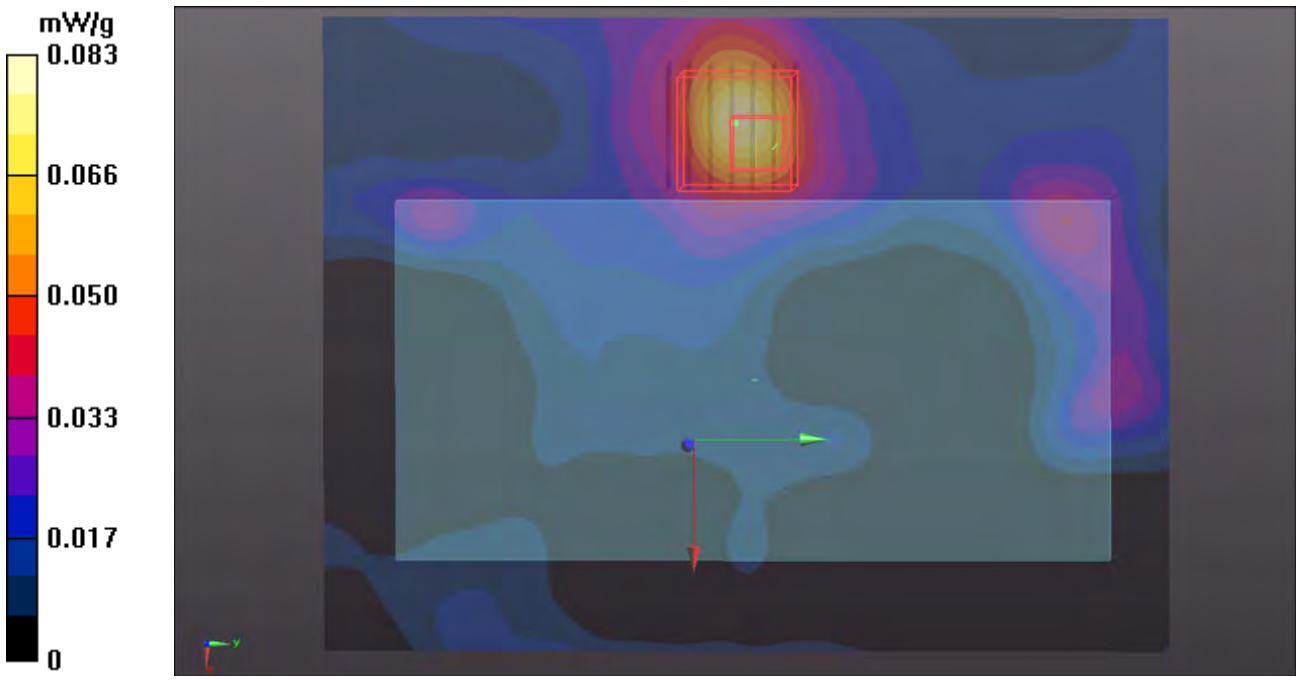
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: B5G_1229 Medium parameters used: f = 5805 MHz; σ = 6.218 mho/m; ε_r = 48.301; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.55, 4.55, 4.55); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.078 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.762 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.2380
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.083 mW/g



P70 802.11a_Rear Face_1cm_Ch161

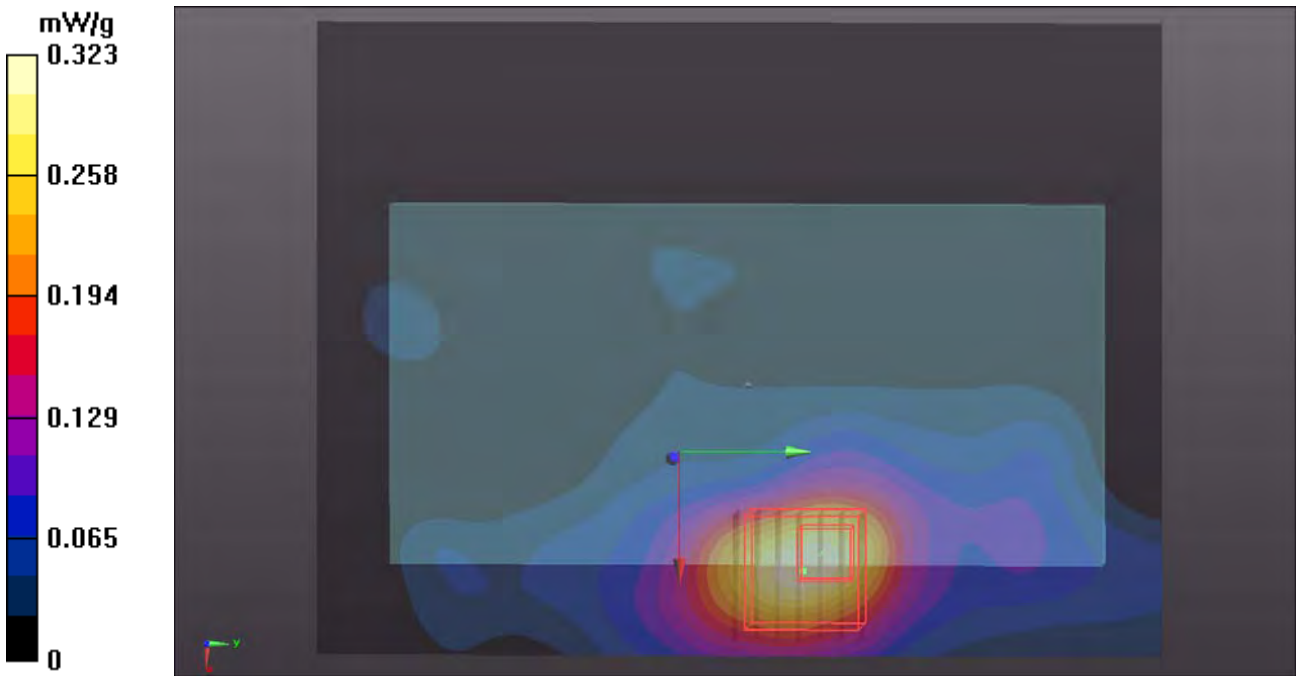
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: B5G_1229 Medium parameters used: f = 5805 MHz; σ = 6.218 mho/m; ε_r = 48.301; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.55, 4.55, 4.55); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.323 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.947 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.5930
SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.303 mW/g



P71 802.11a_Left Side_1cm_Ch161

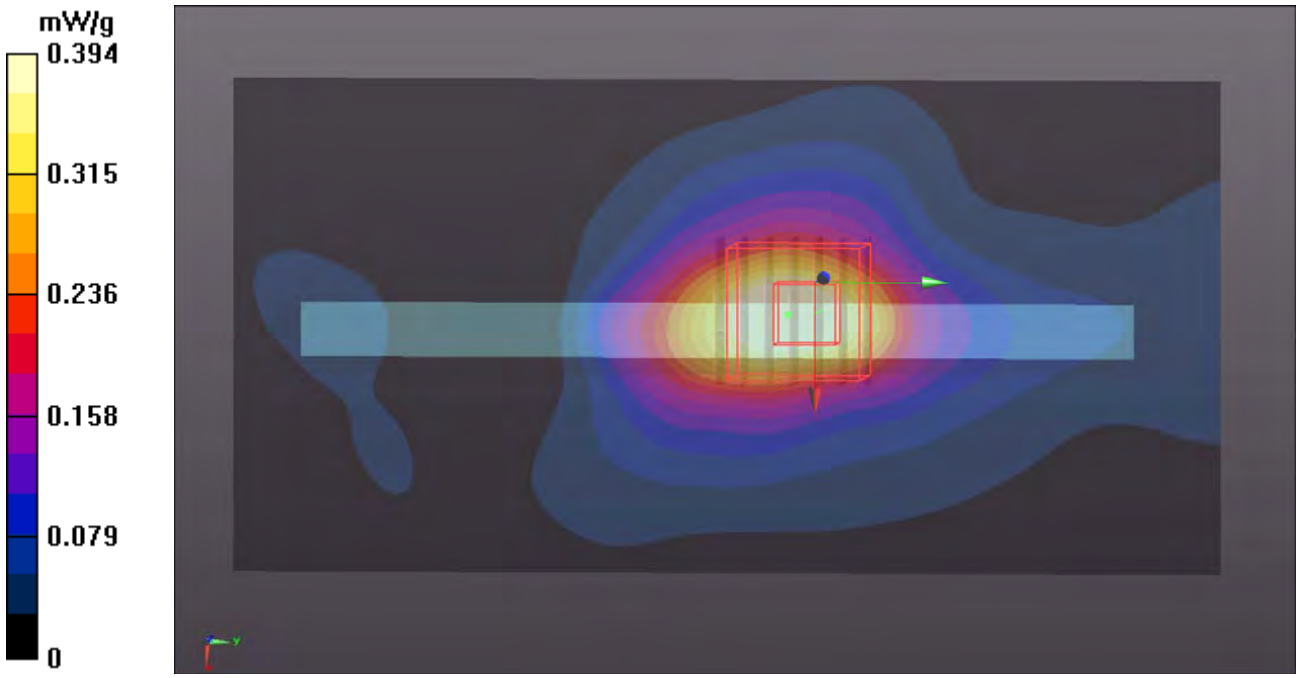
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: B5G_1229 Medium parameters used: f = 5805 MHz; σ = 6.218 mho/m; ε_r = 48.301; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.55, 4.55, 4.55); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (81x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.438 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.281 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.8920
SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.394 mW/g



P73 802.11a_Top Side_1cm_Ch161

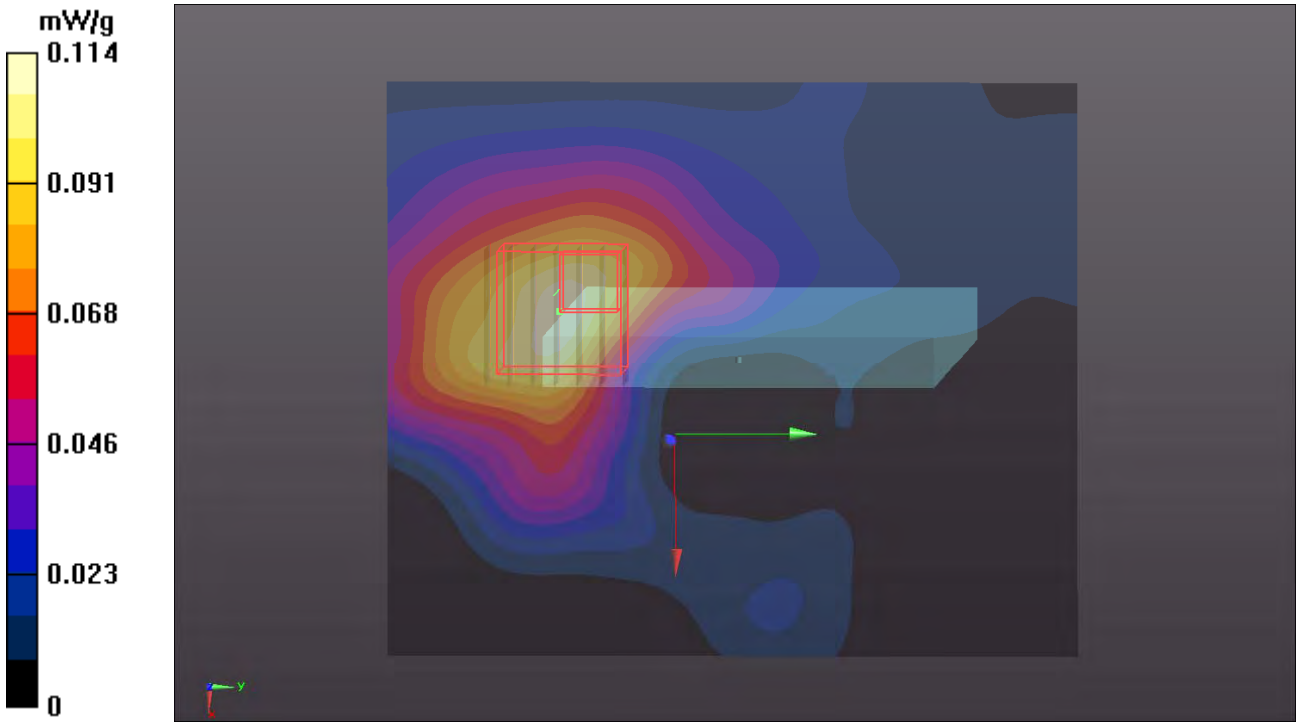
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: B5G_1229 Medium parameters used: f = 5805 MHz; σ = 6.218 mho/m; ε_r = 48.301; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.55, 4.55, 4.55); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.114 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.387 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.2010
SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.104 mW/g



P74 802.11a_Bottom Side_1cm_Ch161

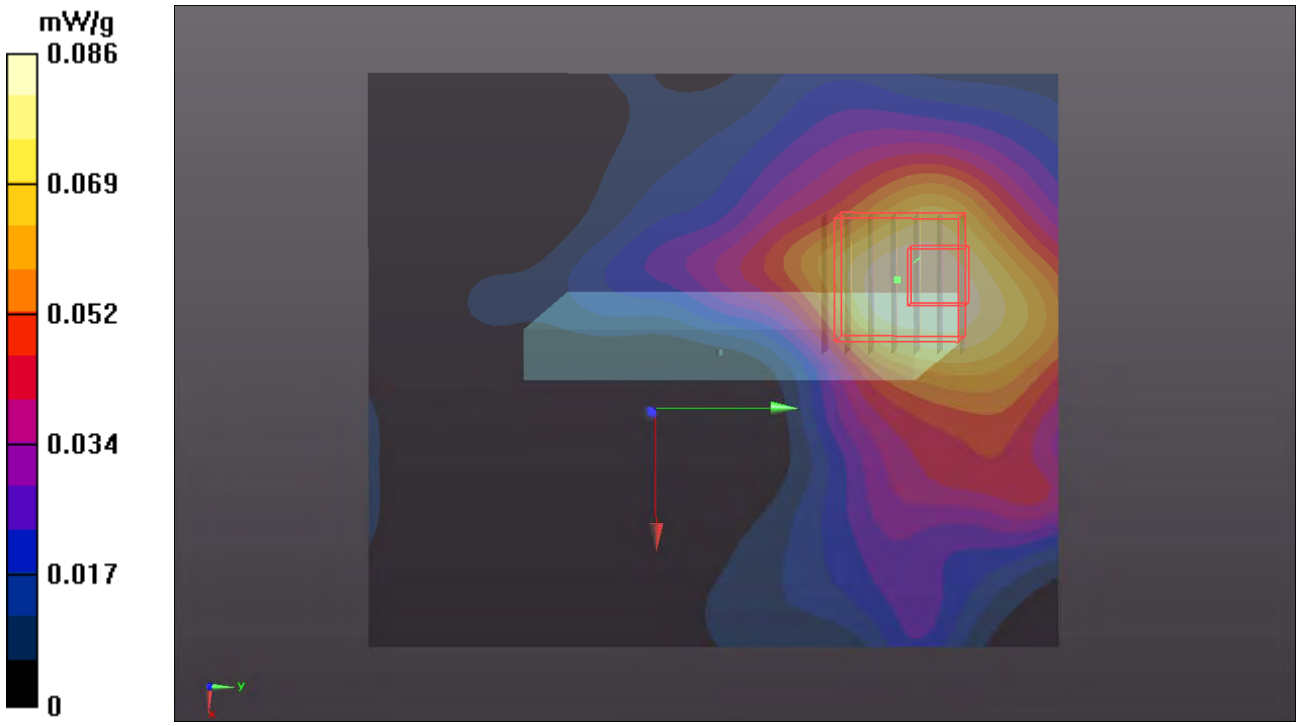
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: B5G_1229 Medium parameters used: f = 5805 MHz; σ = 6.218 mho/m; ε_r = 48.301; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.55, 4.55, 4.55); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.086 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.185 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.2320
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.094 mW/g



P75 802.11a_Rear Face_1cm_Ch161_Earphone

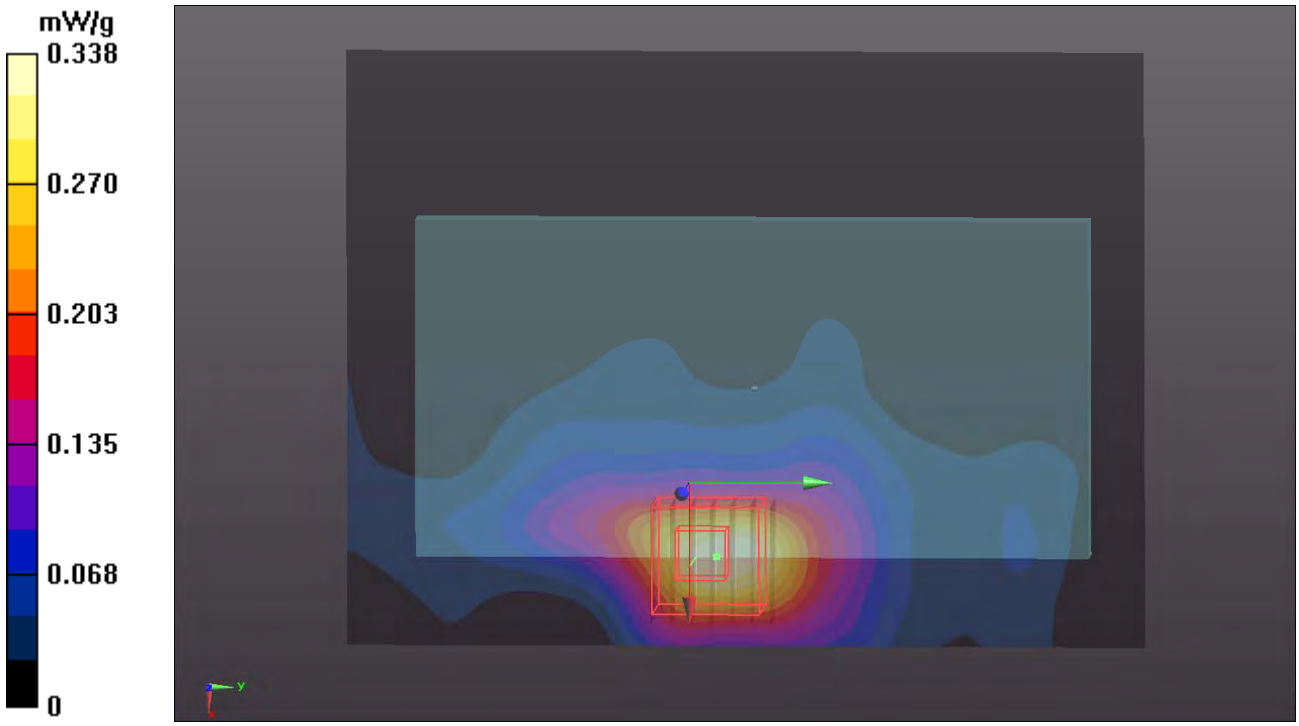
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: B5G_1229 Medium parameters used: f = 5805 MHz; σ = 6.218 mho/m; ε_r = 48.301; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.55, 4.55, 4.55); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.338 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.725 V/m; Power Drift = -0.166 dB
Peak SAR (extrapolated) = 0.8260
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.383 mW/g



P76 802.11a_Left Side_1cm_Ch161_Battery2

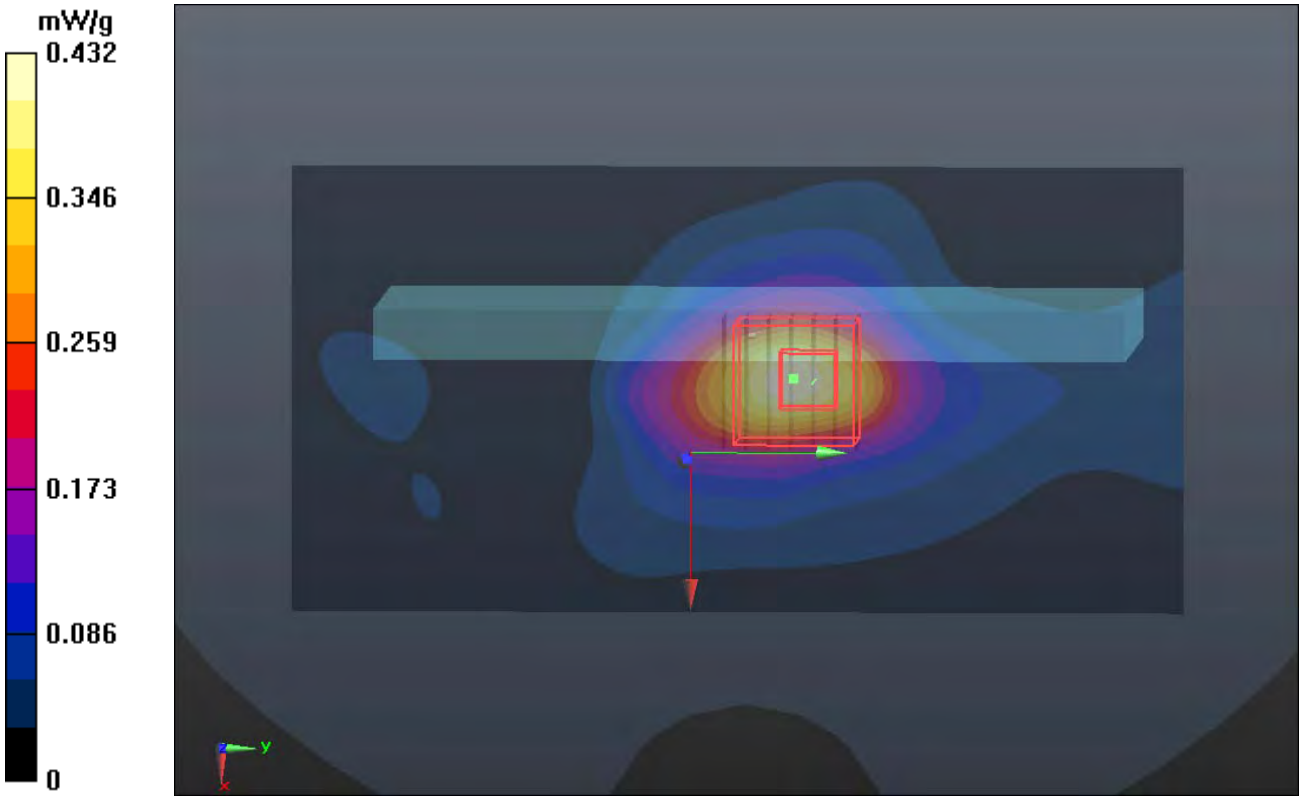
DUT: 111130C18

Communication System: WLAN_5G; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: B5G_0116 Medium parameters used: f = 5805 MHz; σ = 6.269 mho/m; ε_r = 47.229; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch161/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.432 mW/g

Ch161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.236 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.8830
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.390 mW/g



P301 LTE XVII_QPSK_10M_Front Face_1cm_Ch23800_Battery1_25RB_Offset 12

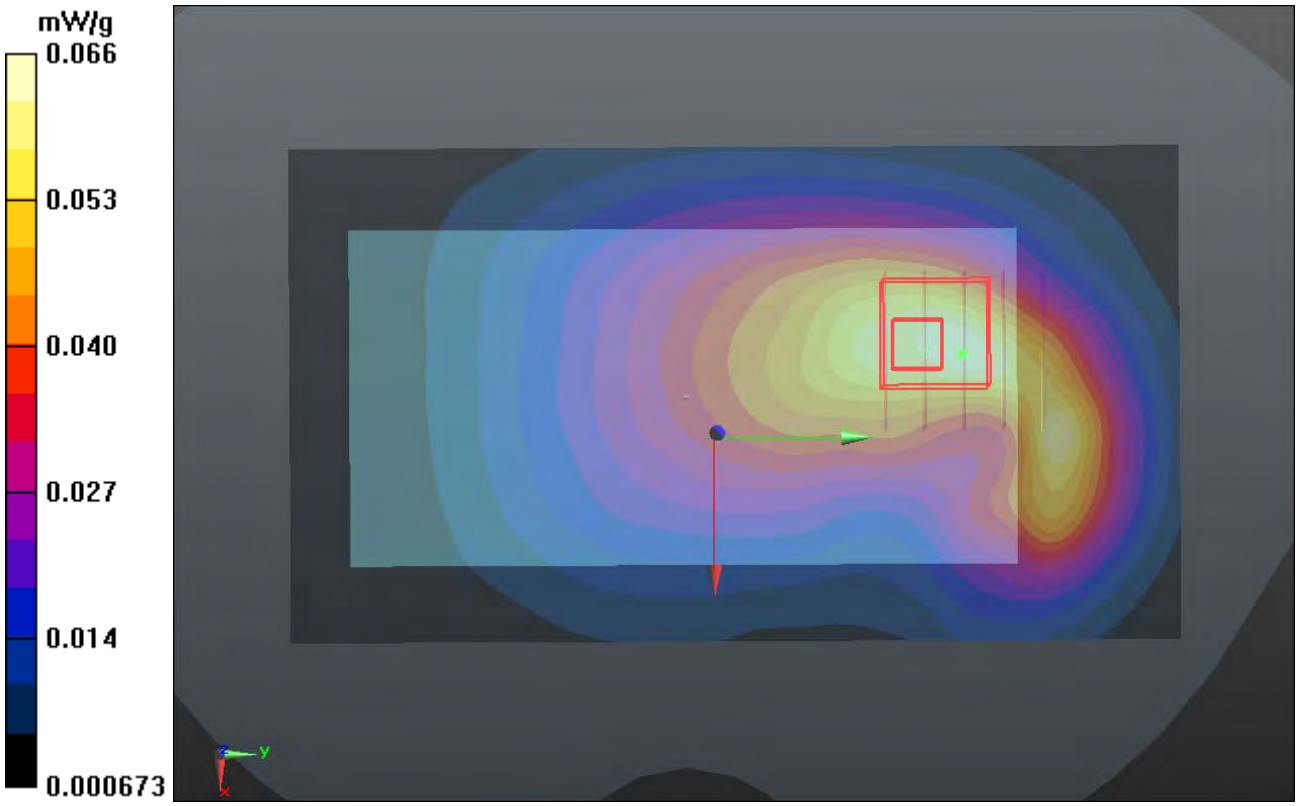
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.066 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.119 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0940
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.074 mW/g



P302 LTE XVII_QPSK_10M_Rear Face_1cm_Ch23800_Battery1_25RB_Offset 12

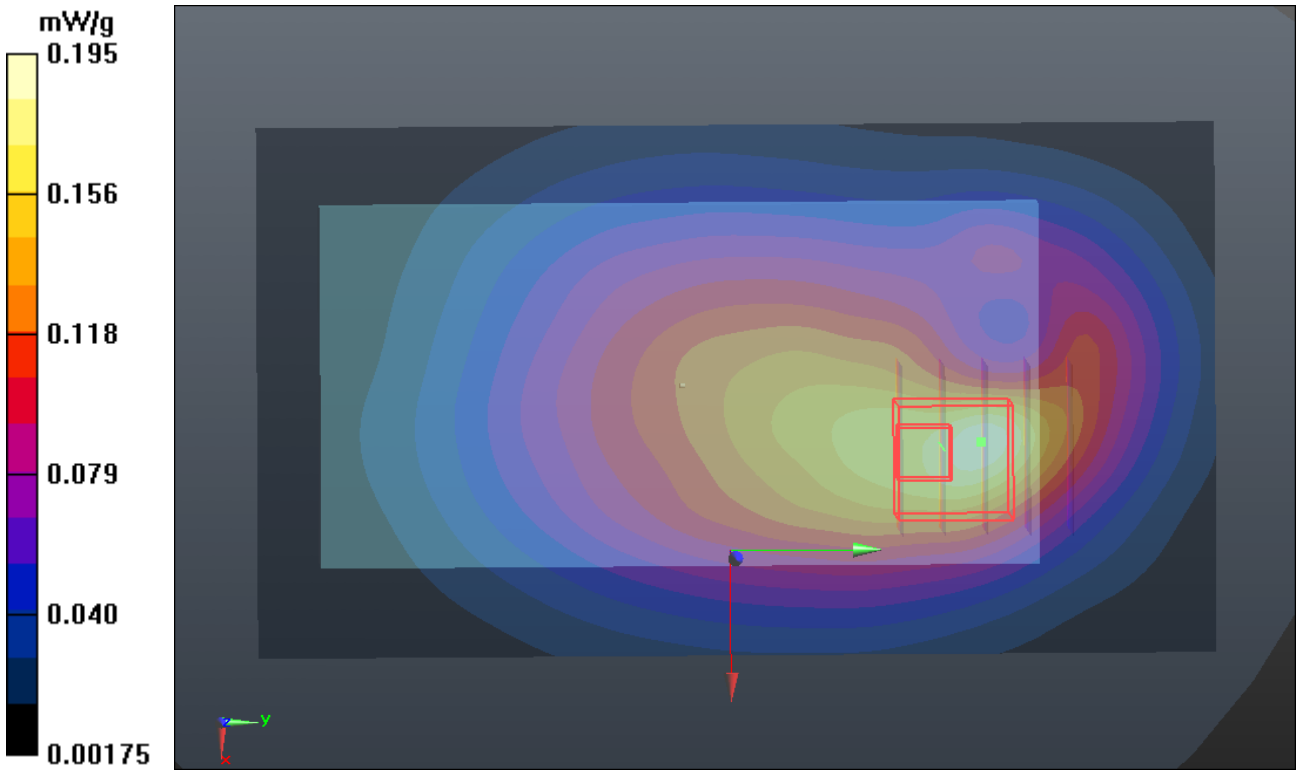
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.195 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.551 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.2100
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.179 mW/g



P304 LTE XVII_QPSK_10M_Right Side_1cm_Ch23800_Battery1_25RB_Offset 12

DUT: 111130C18

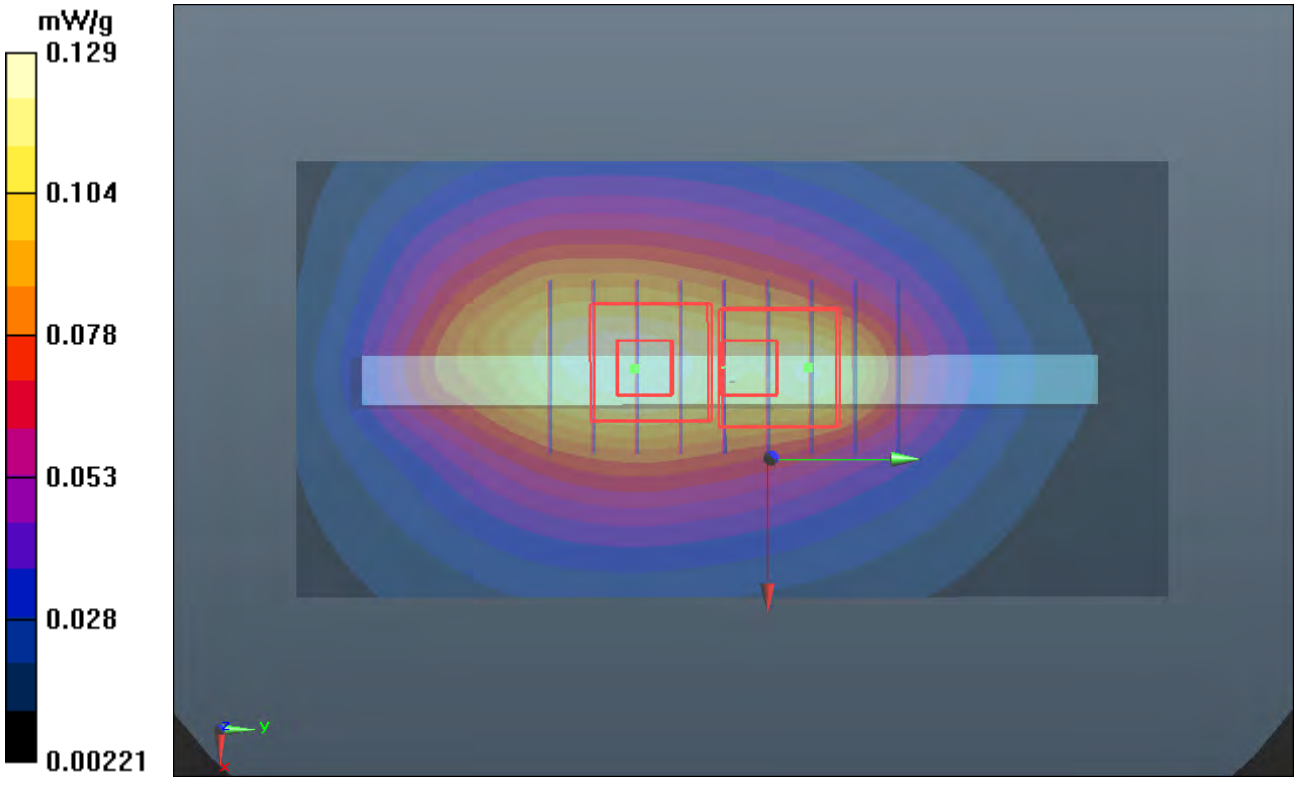
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.129 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.352 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.1460
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.126 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.352 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.1320
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.113 mW/g



P305 LTE XVII_QPSK_10M_Top Side_1cm_Ch23800_Battery1_25RB_Offset 12

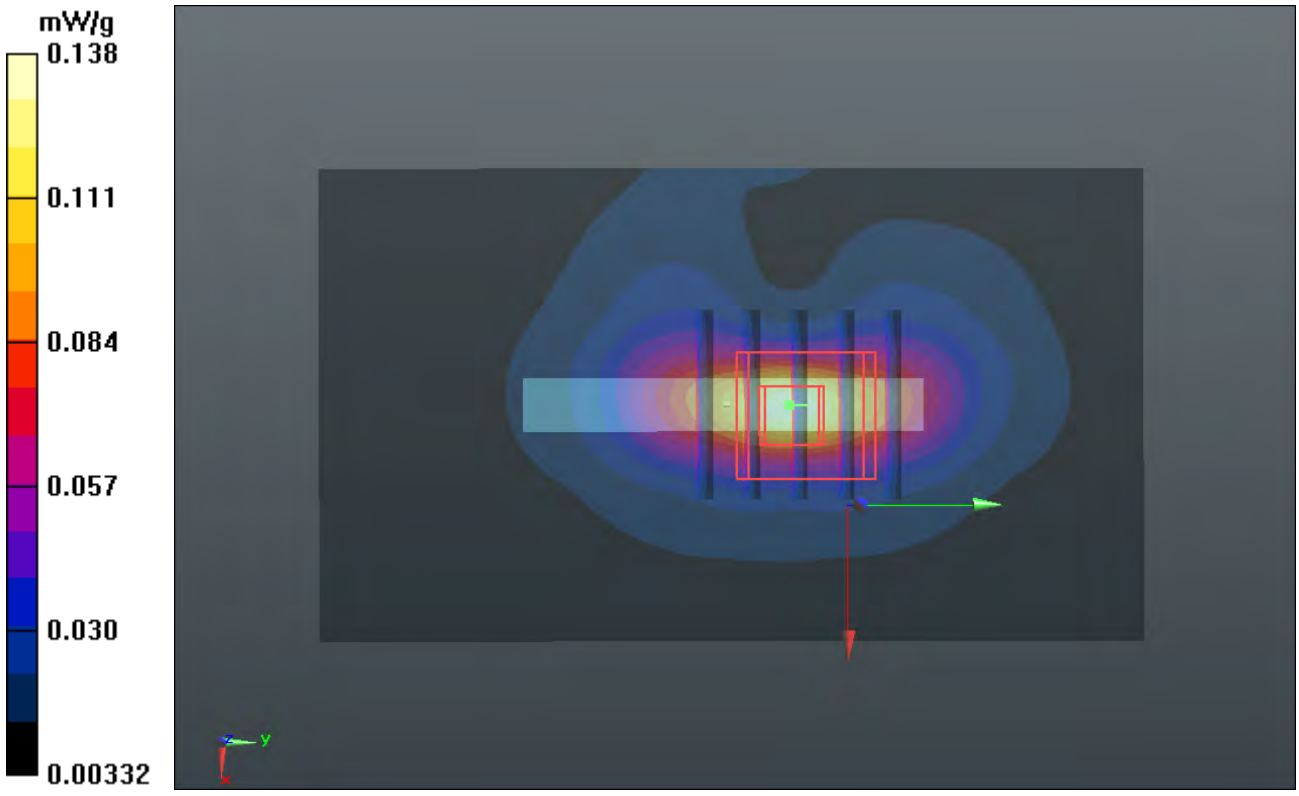
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.138 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.225 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 0.1840
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.140 mW/g



P308 LTE XVII_QPSK_10M_Rear Face_1cm_Ch23800_Battery1_25RB_Offset 12_Earphone

DUT: 111130C18

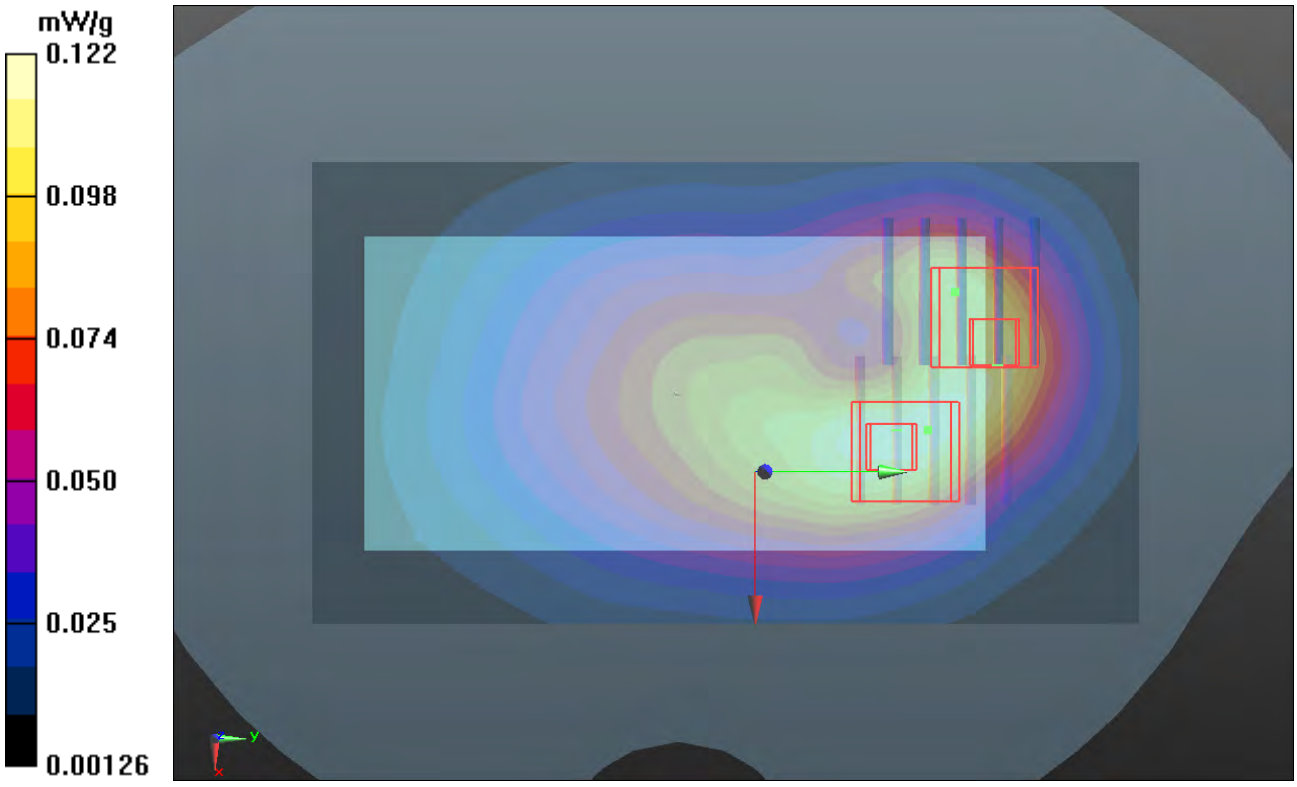
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.122 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.127 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.1550
SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.064 mW/g
Maximum value of SAR (measured) = 0.121 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.127 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.1580
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.055 mW/g



P309 LTE XVII_QPSK_10M_Front Face_1cm_Ch23800_Battery1_1RB_Offset 0

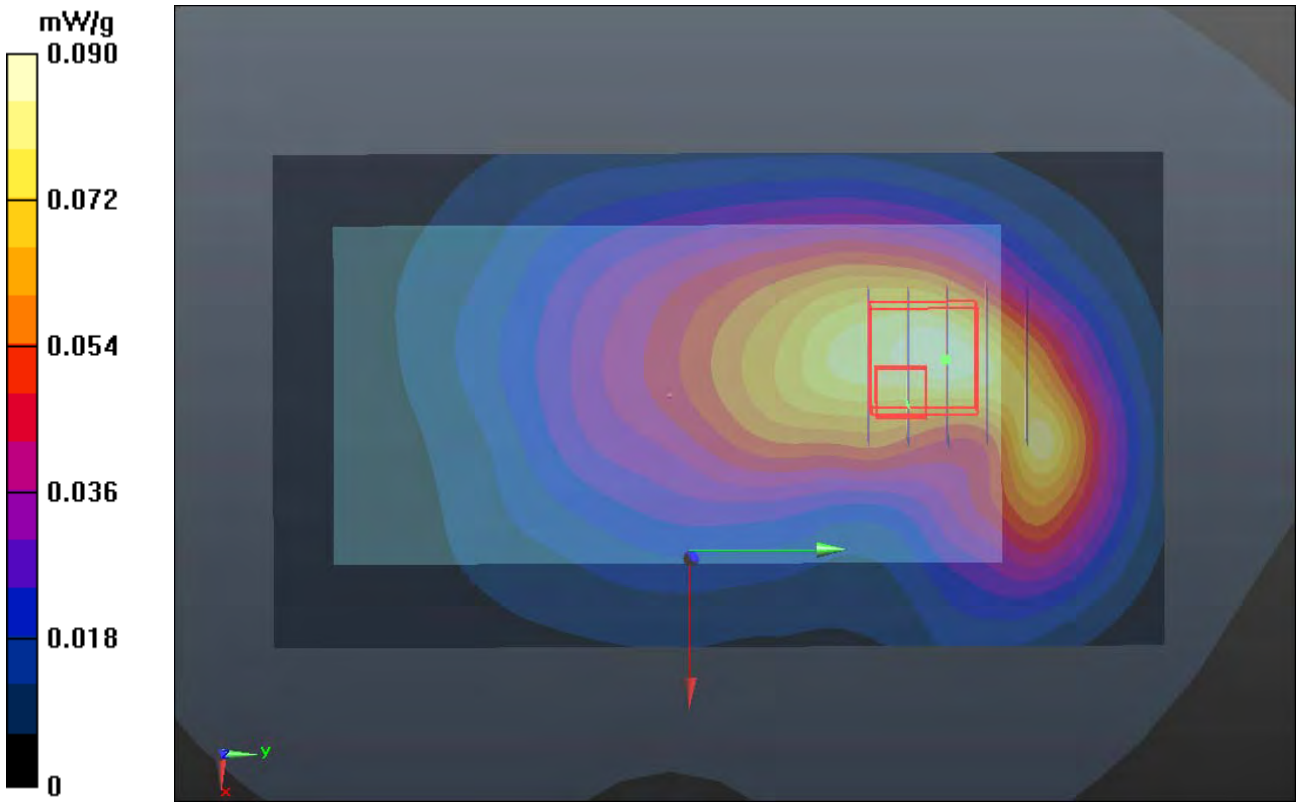
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.090 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.852 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.1580
SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.140 mW/g



P310 LTE XVII_QPSK_10M_Rear Face_1cm_Ch23800_Battery1_1RB_Offset 0

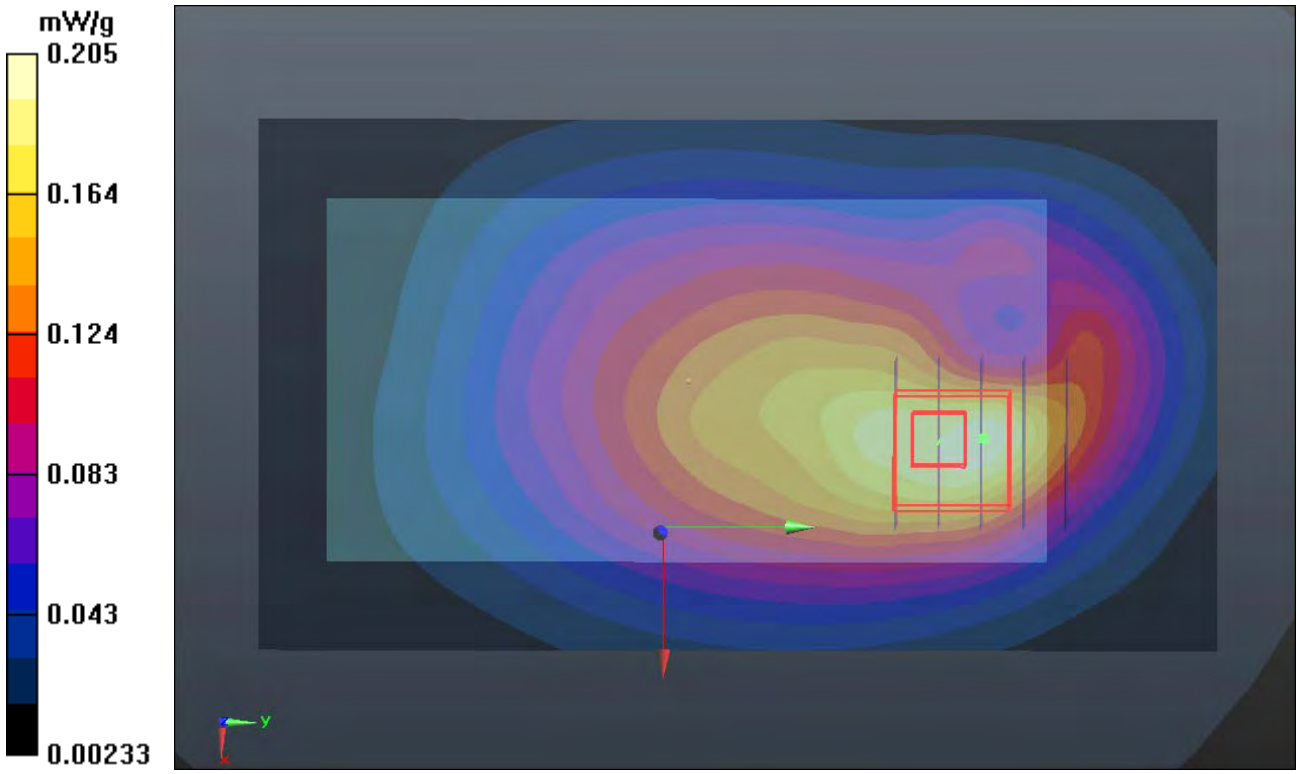
DUT: 111130C18

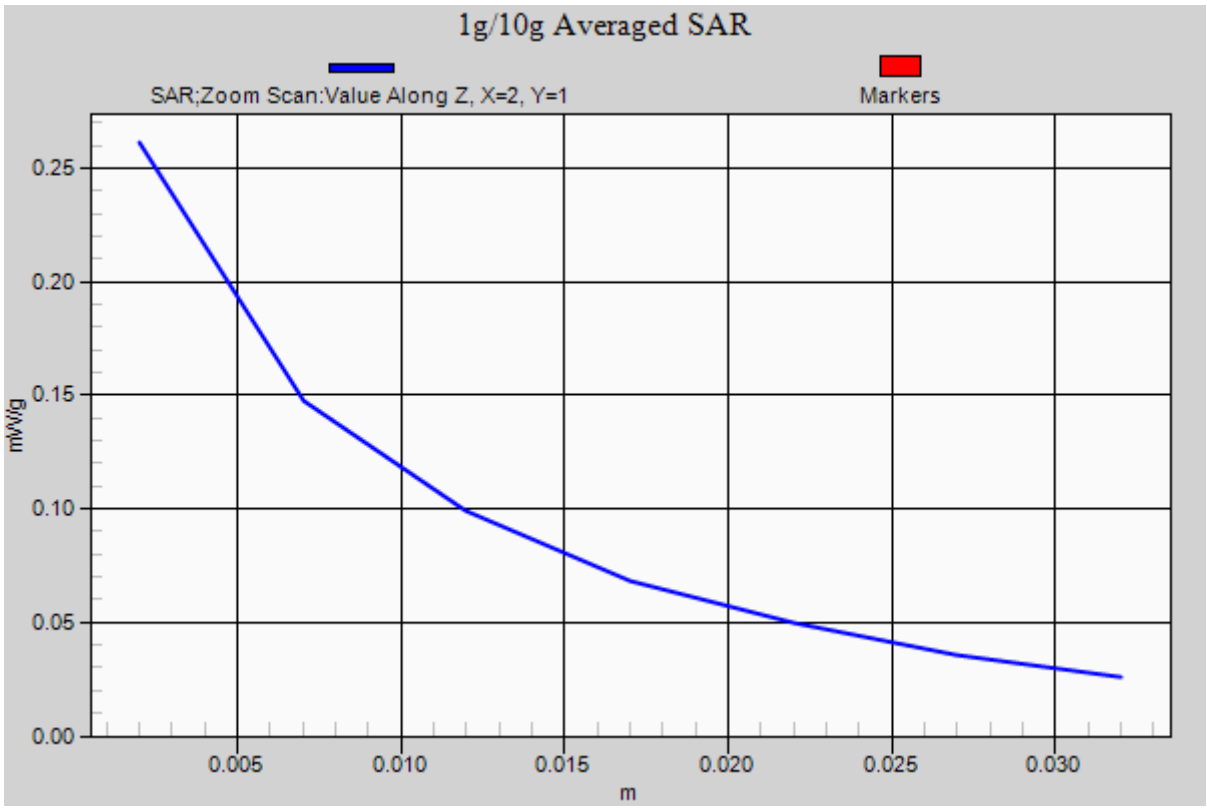
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.205 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.711 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.3060
SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.111 mW/g
Maximum value of SAR (measured) = 0.261 mW/g




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

P312 LTE XVII_QPSK_10M_Right Side_1cm_Ch23800_Battery1_1RB_Offset 0

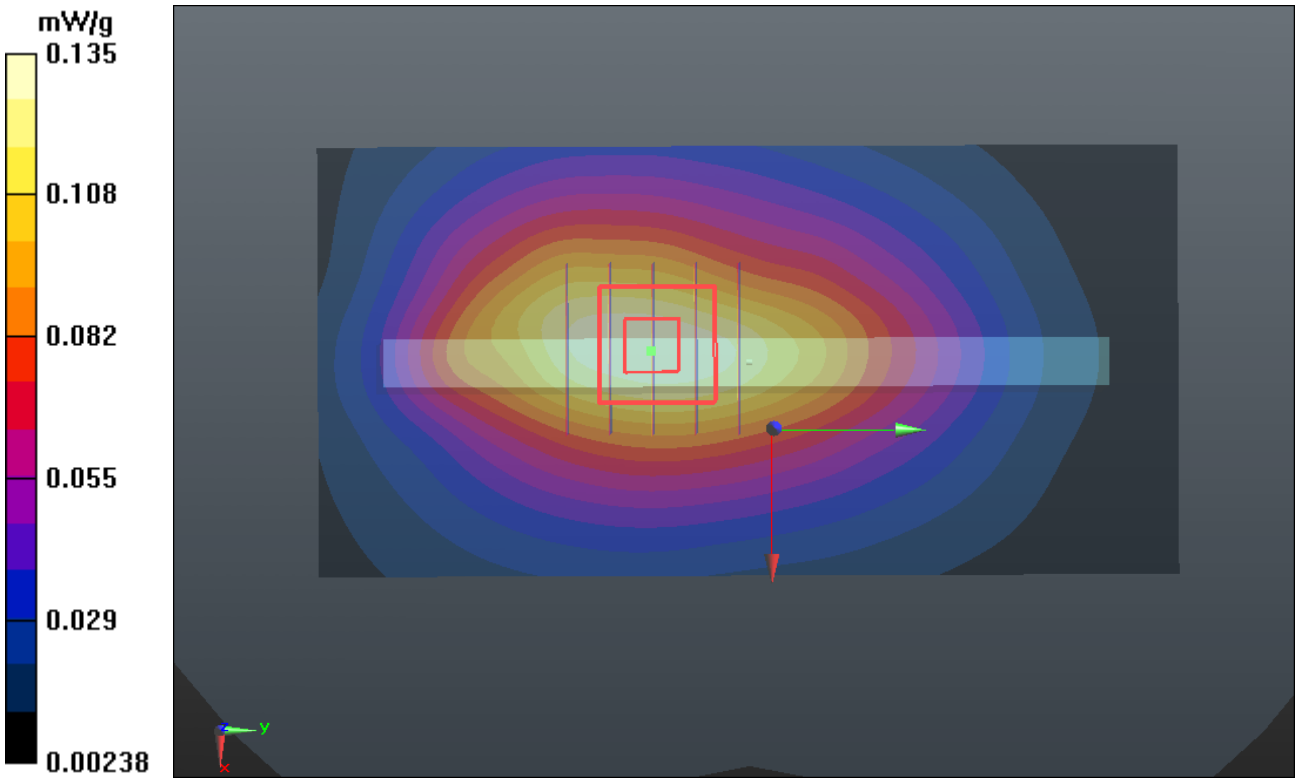
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.135 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.595 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.1500
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.134 mW/g



P313 LTE XVII_QPSK_10M_Top Side_1cm_Ch23800_Battery1_1RB_Offset 0

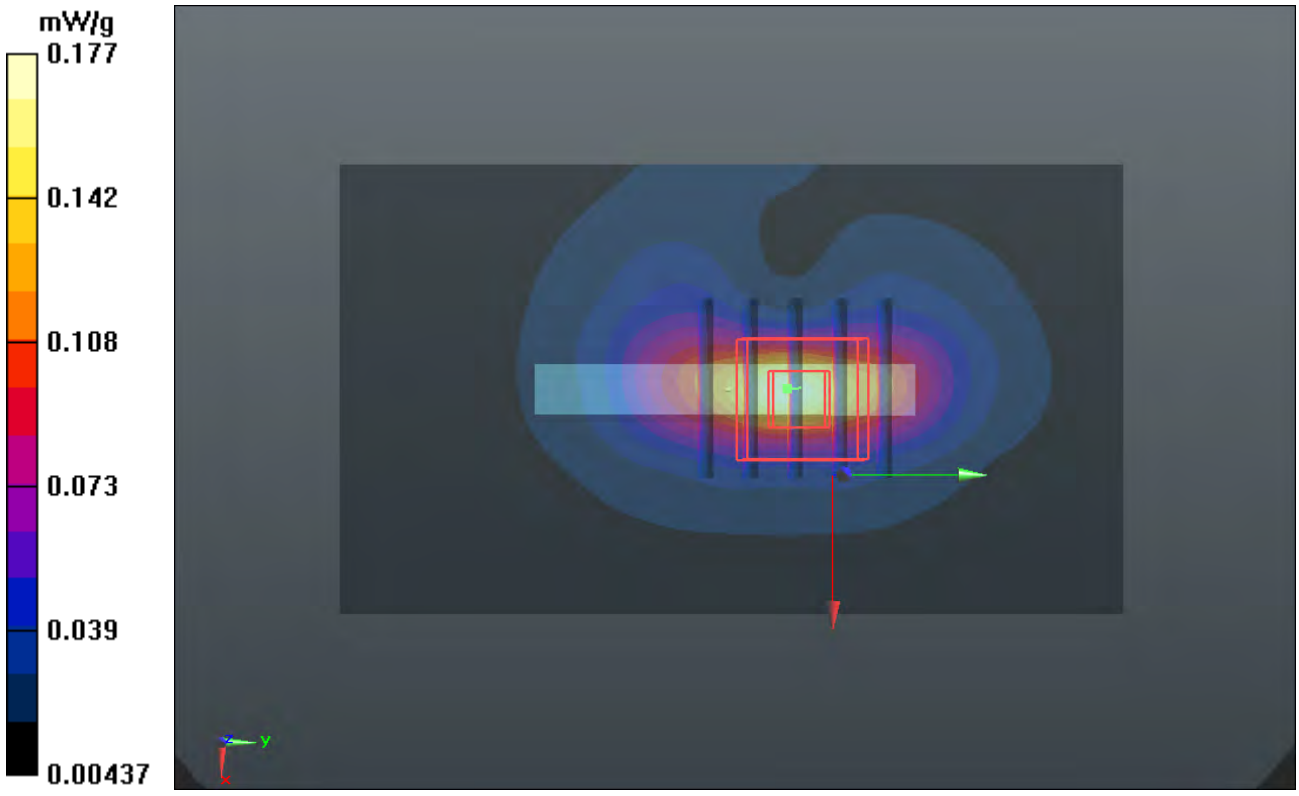
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.177 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.773 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.2350
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.064 mW/g
Maximum value of SAR (measured) = 0.176 mW/g



P316 LTE XVII_QPSK_10M_Rear Face_1cm_Ch23800_Battery1_1RB_Offset 0_Earphone

DUT: 111130C18

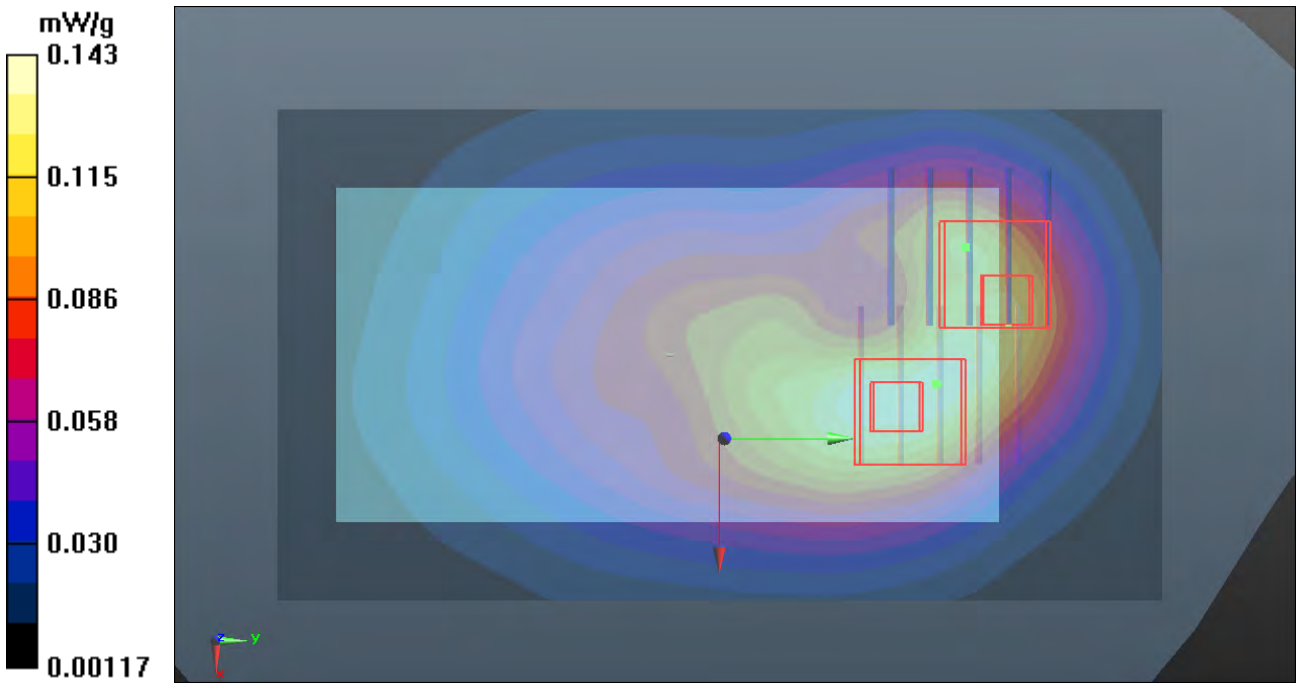
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.143 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.824 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.1760
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.141 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.824 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.1700
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.133 mW/g



P315 LTE XVII_QPSK_10M_Rear Face_1cm_Ch23800_Battery2_1RB_Offset 0

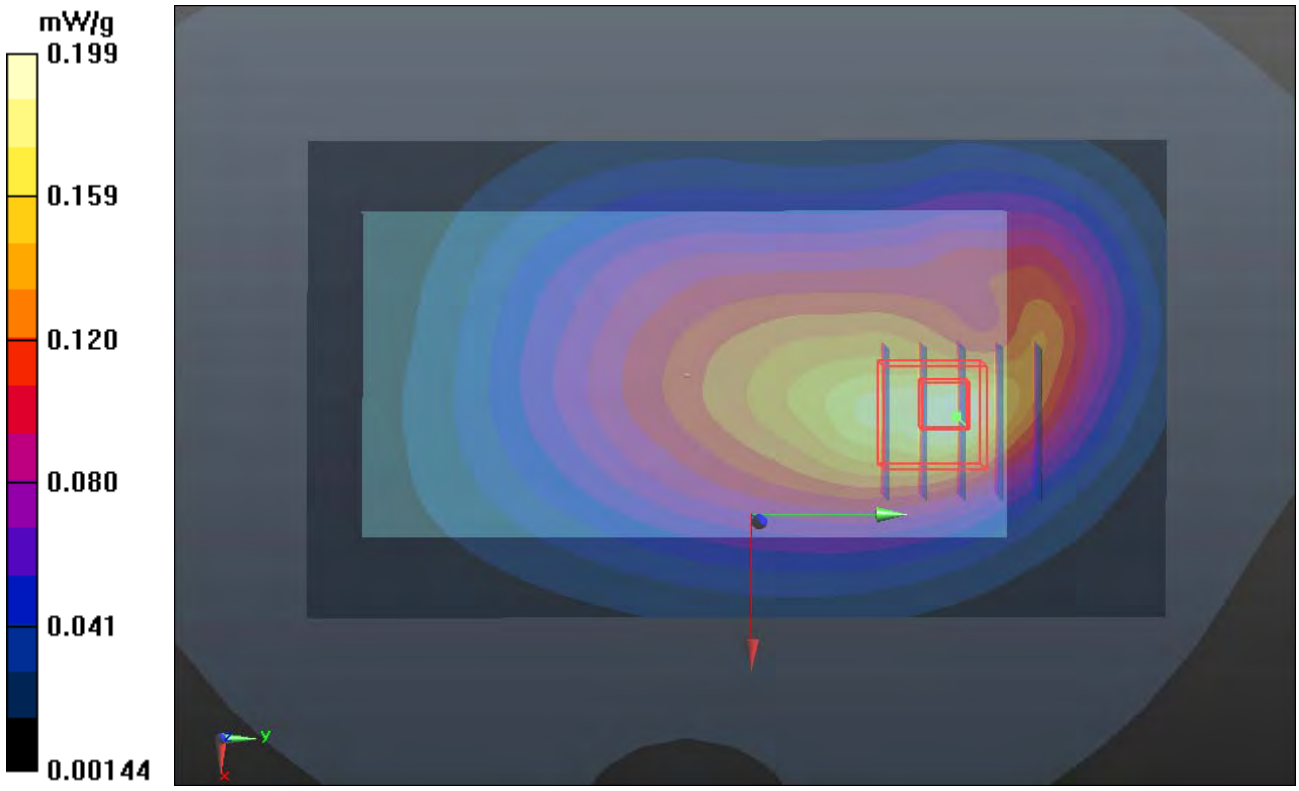
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0114 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.215; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.199 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.260 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.2500
SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.200 mW/g



P317 LTE XVII_QPSK_10M_Front Face_1cm_Ch23800_Battery1_1RB_Offset 49

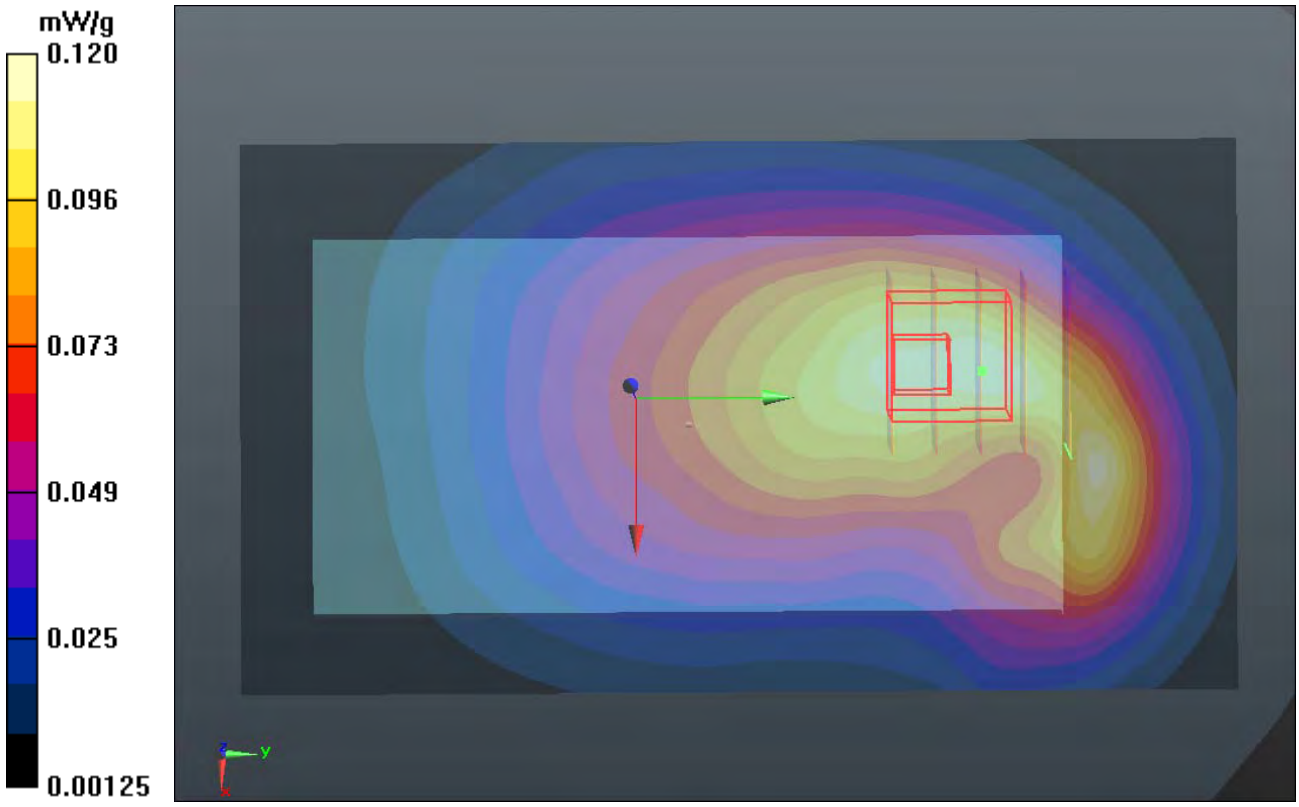
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.120 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.931 V/m; Power Drift = -0.0079 dB
Peak SAR (extrapolated) = 0.1790
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.065 mW/g
Maximum value of SAR (measured) = 0.140 mW/g



P318 LTE XVII_QPSK_10M_Rear Face_1cm_Ch23800_Battery1_1RB_Offset 49

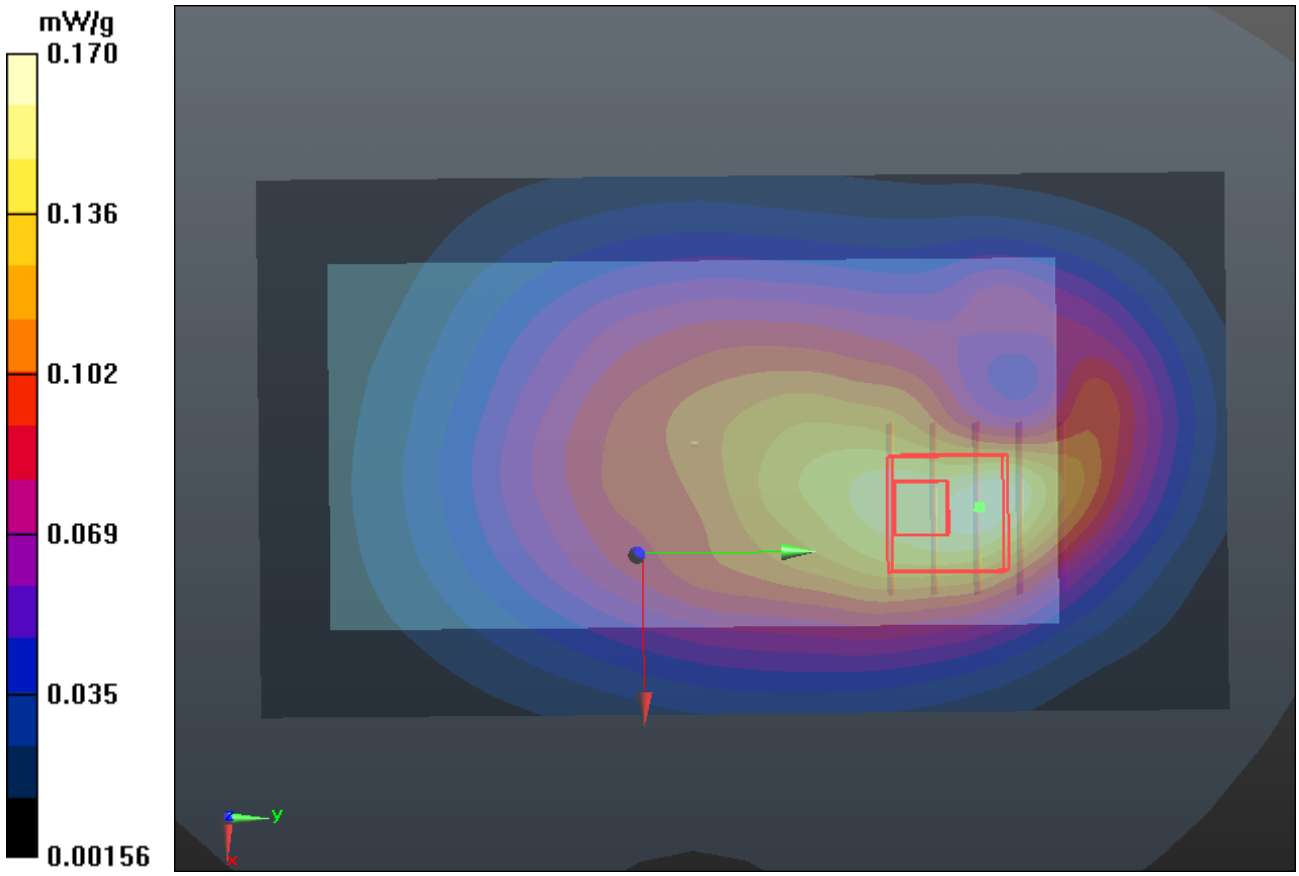
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.170 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.841 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.1960
SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.162 mW/g



P320 LTE XVII_QPSK_10M_Right Side_1cm_Ch23800_Battery1_1RB_Offset 49

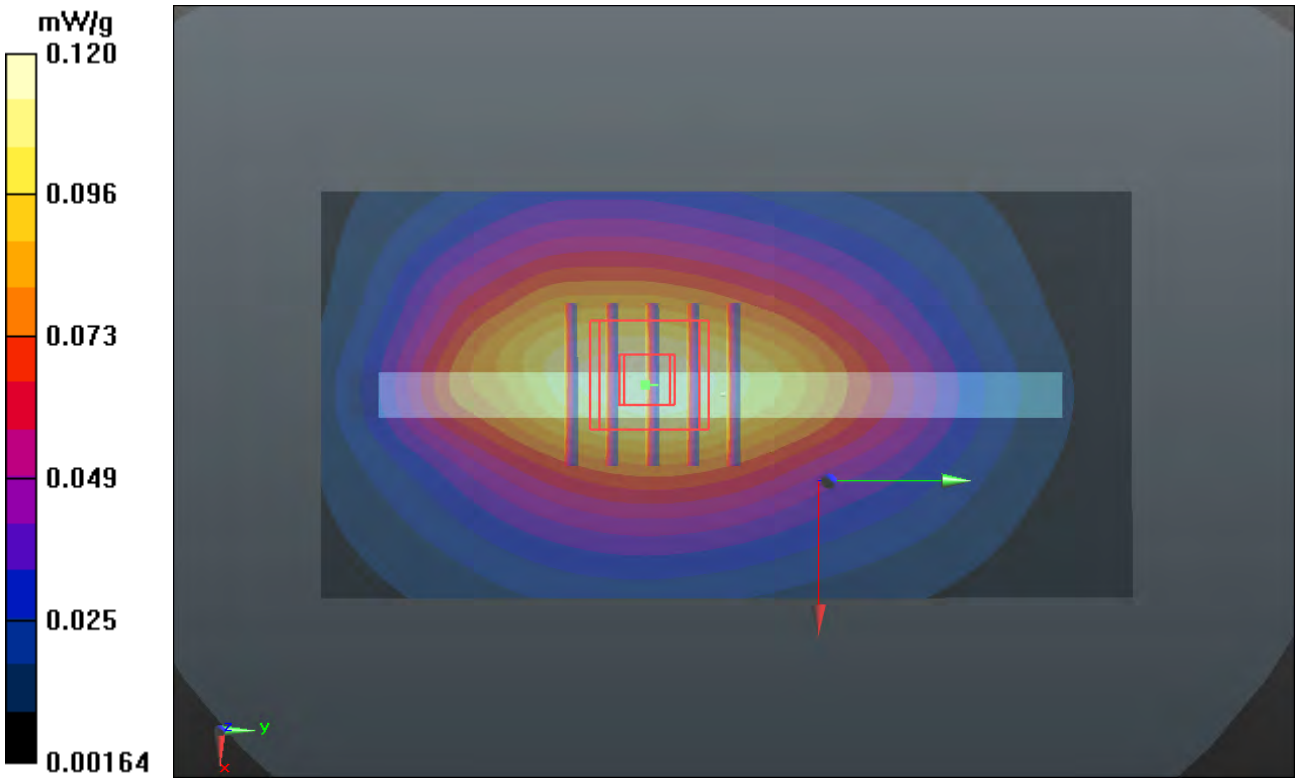
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.120 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.185 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.1330
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.071 mW/g
Maximum value of SAR (measured) = 0.117 mW/g



P321 LTE XVII_QPSK_10M_Top Side_1cm_Ch23800_Battery1_1RB_Offset 49

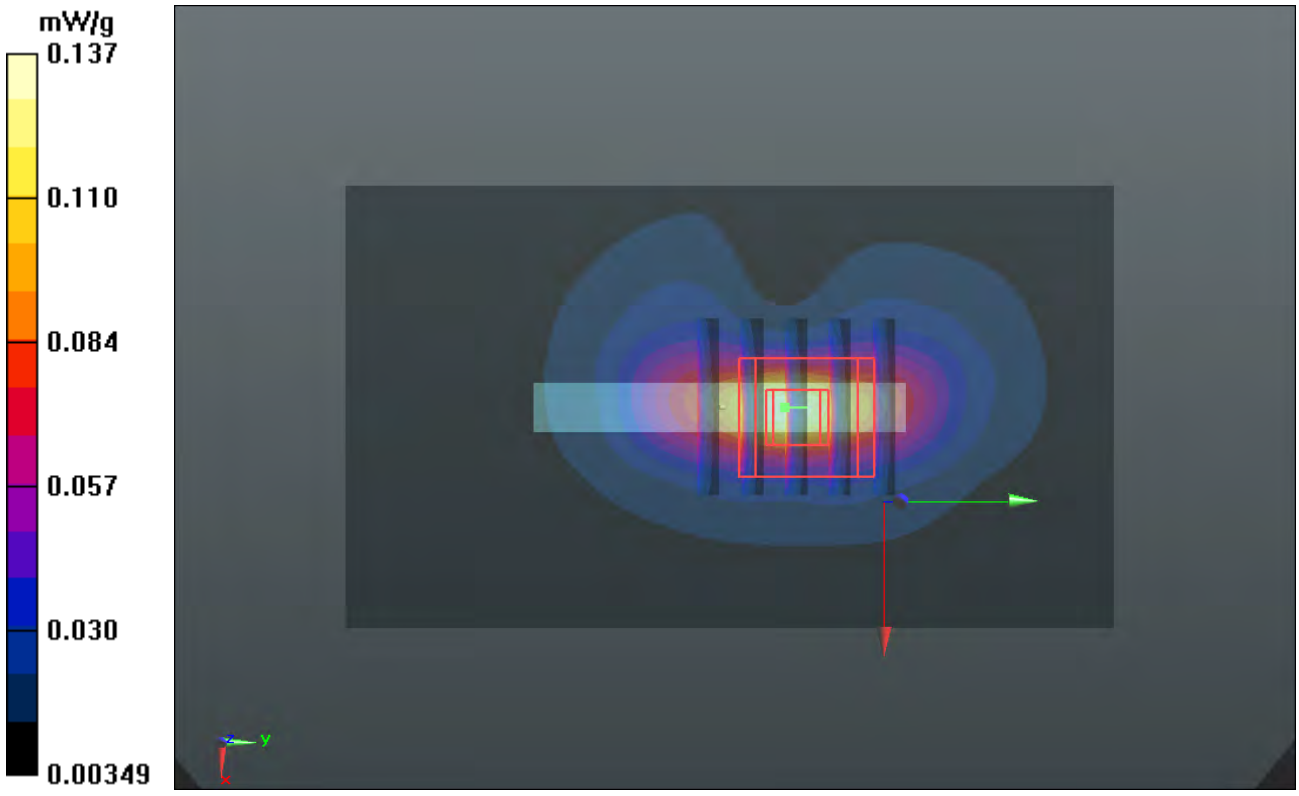
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.137 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.141 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.1820
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.135 mW/g



P324 LTE XVII_QPSK_10M_Rear Face_1cm_Ch23800_Battery1_1RB_Offset 49_Earphone

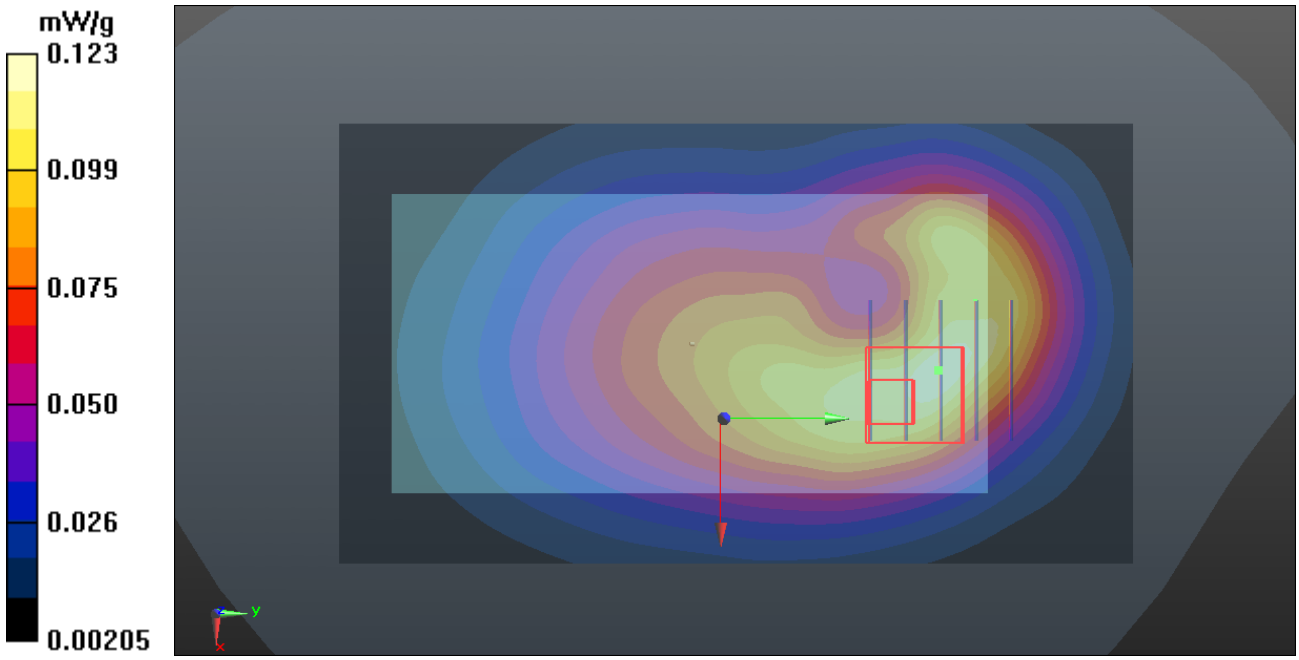
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.123 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.439 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.1610
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.124 mW/g



P326 LTE XVII_16QAM_10M_Rear Face_1cm_Ch23800_Battery1_25RB_Offset 12

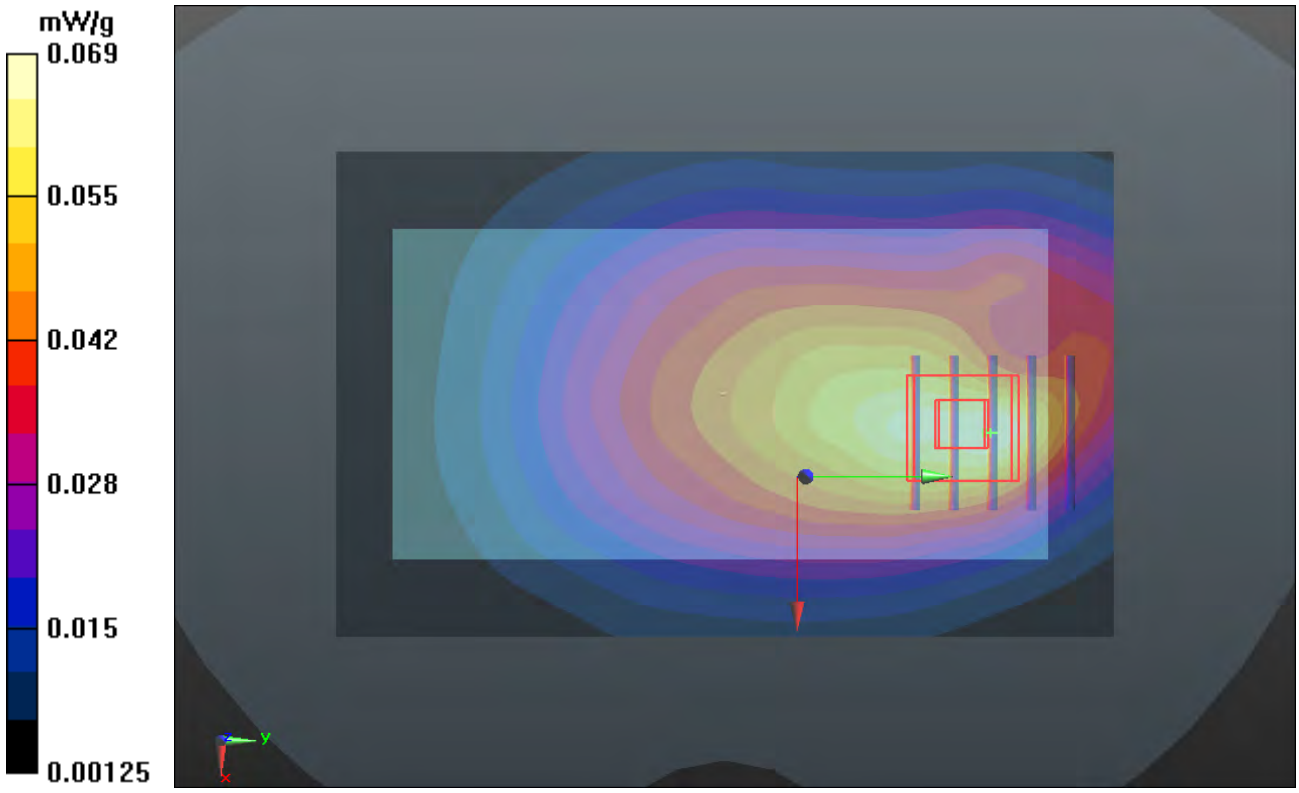
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.069 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.105 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0850
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.069 mW/g



P334 LTE XVII_16QAM_10M_Rear Face _1cm_Ch23800_Battery1_1RB_Offset 0

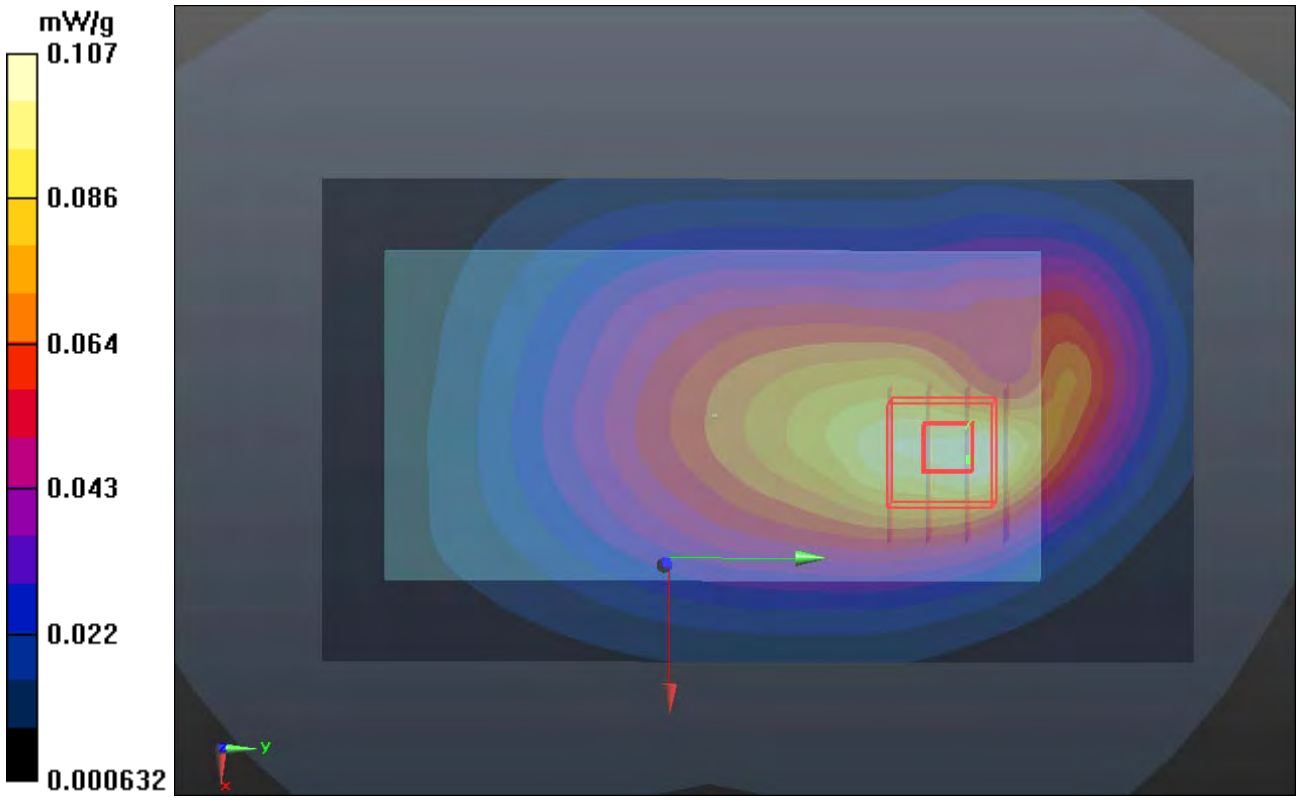
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.107 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.482 V/m; Power Drift = -0.008 dB
Peak SAR (extrapolated) = 0.1340
SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.107 mW/g



P342 LTE XVII_16QAM_10M_Rear Face_1cm_Ch23800_Battery1_1RB_Offset 49

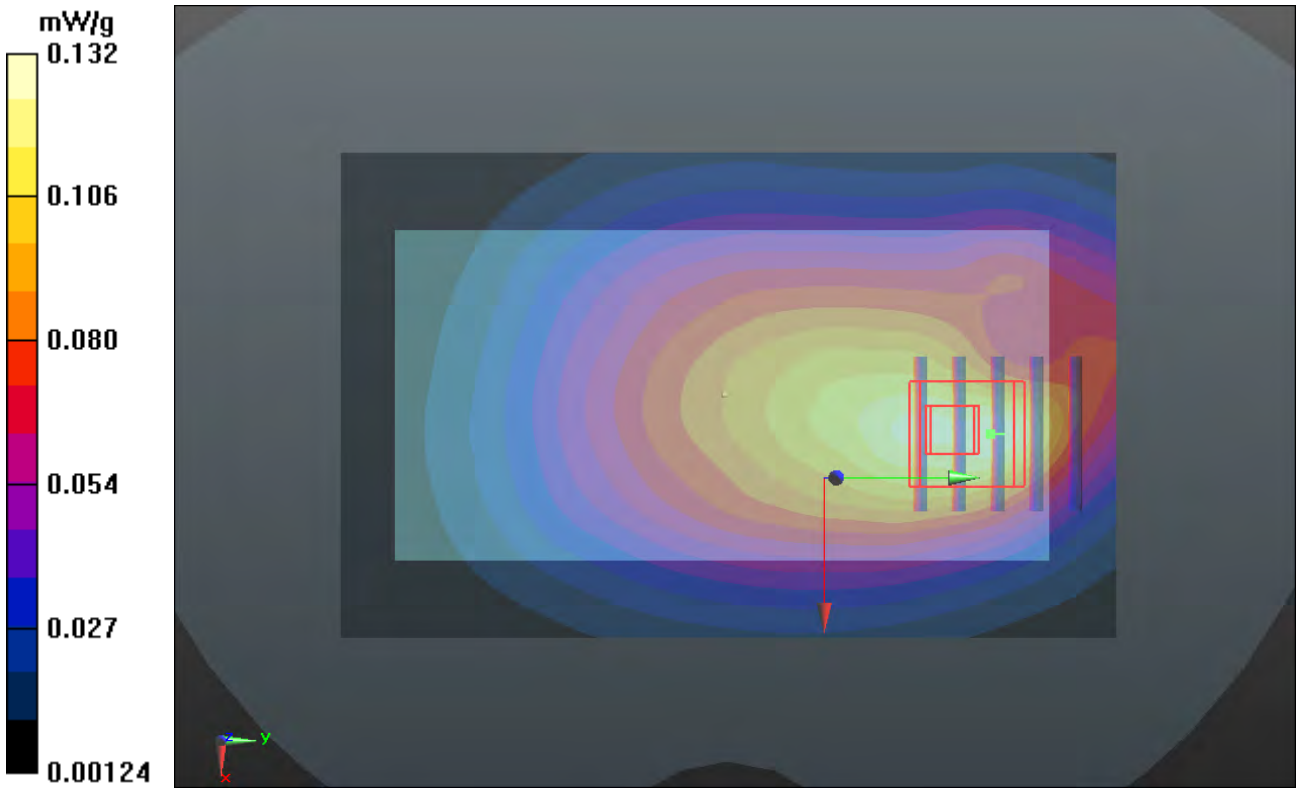
DUT: 111130C18

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0111 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch23800/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.132 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.997 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 0.1480
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.122 mW/g



P349 LTE IV_QPSK_10M_Front Face_1cm_Ch20000_Battery1_25RB_Offset 12

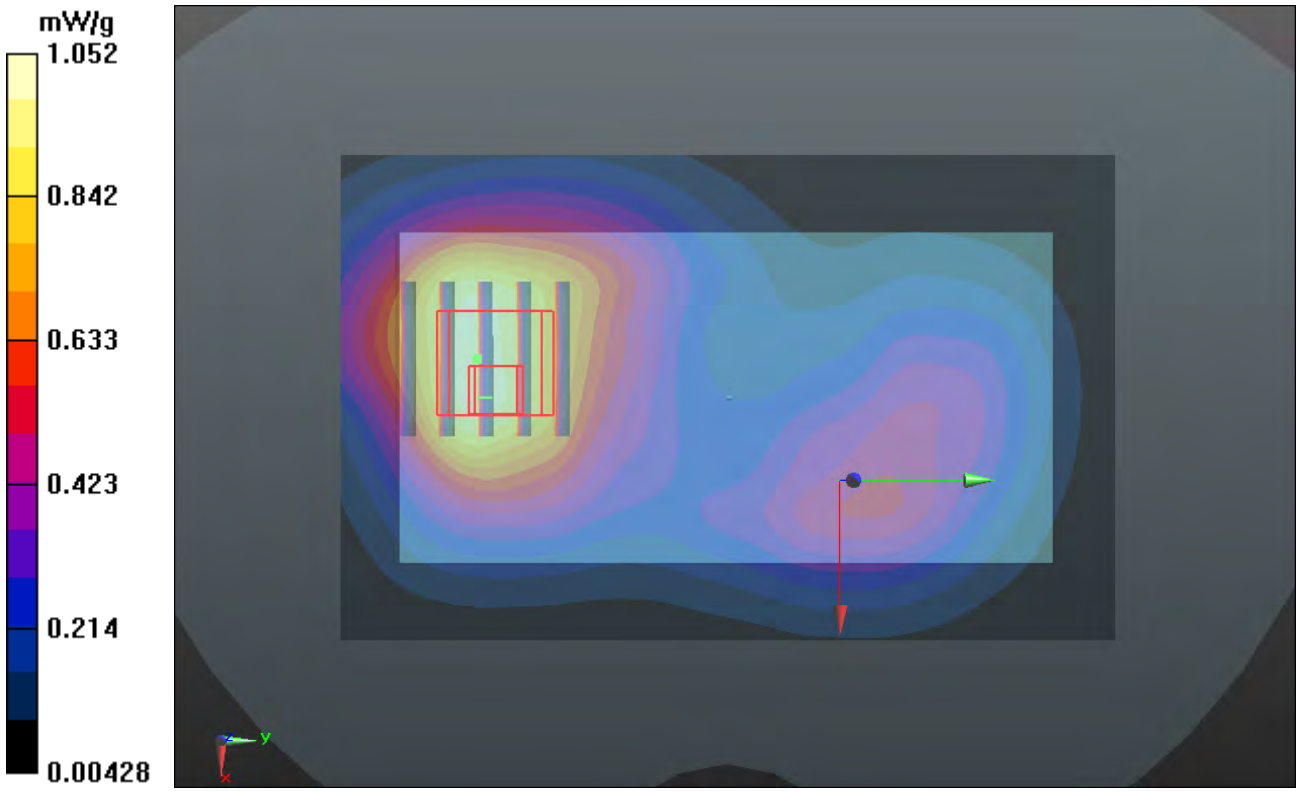
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.052 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.039 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.1580
SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.501 mW/g
Maximum value of SAR (measured) = 0.958 mW/g



P350 LTE IV_QPSK_10M_Rear Face_1cm_Ch20000_Battery1_25RB_Offset 12

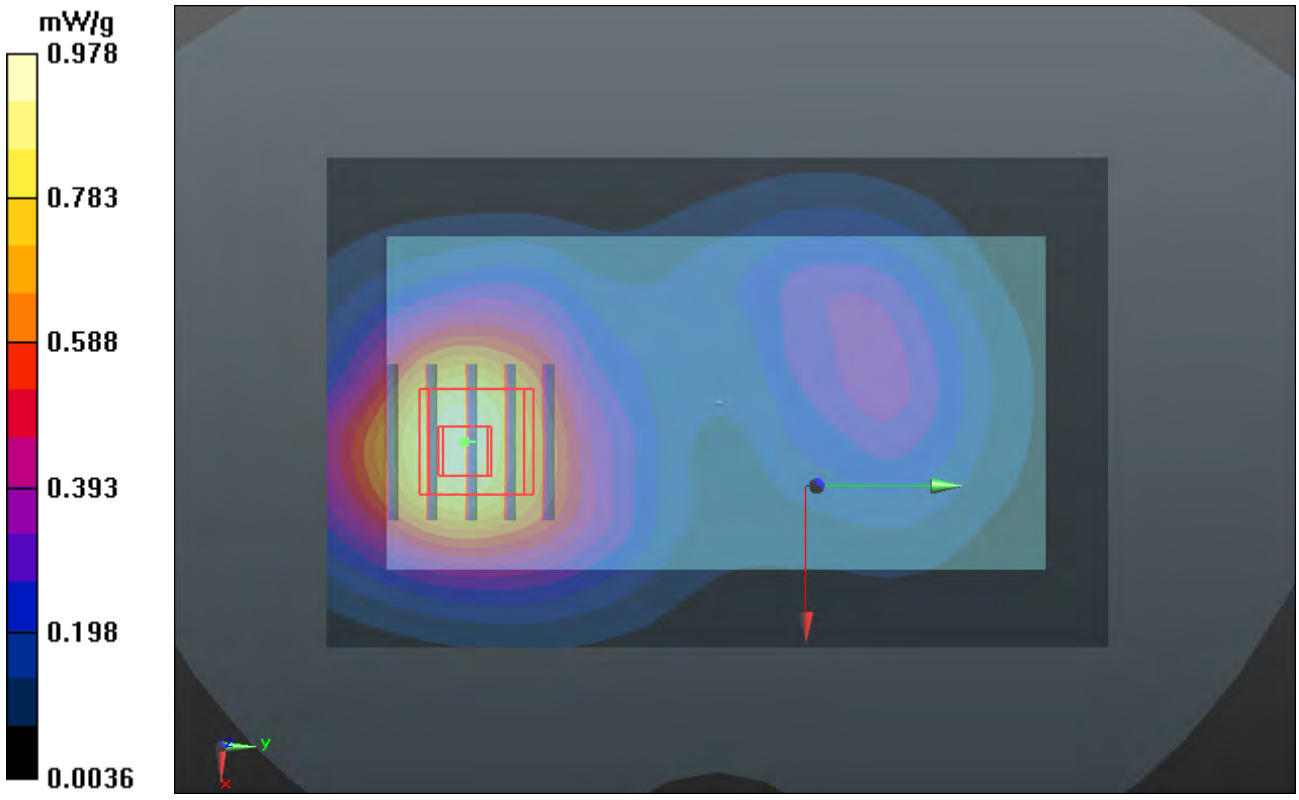
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.978 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.569 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 1.1870
SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.498 mW/g
Maximum value of SAR (measured) = 0.994 mW/g



P351 LTE IV_QPSK_10M_Left Side_1cm_Ch20000_Battery1_25RB_Offset 12

DUT: 111130C18

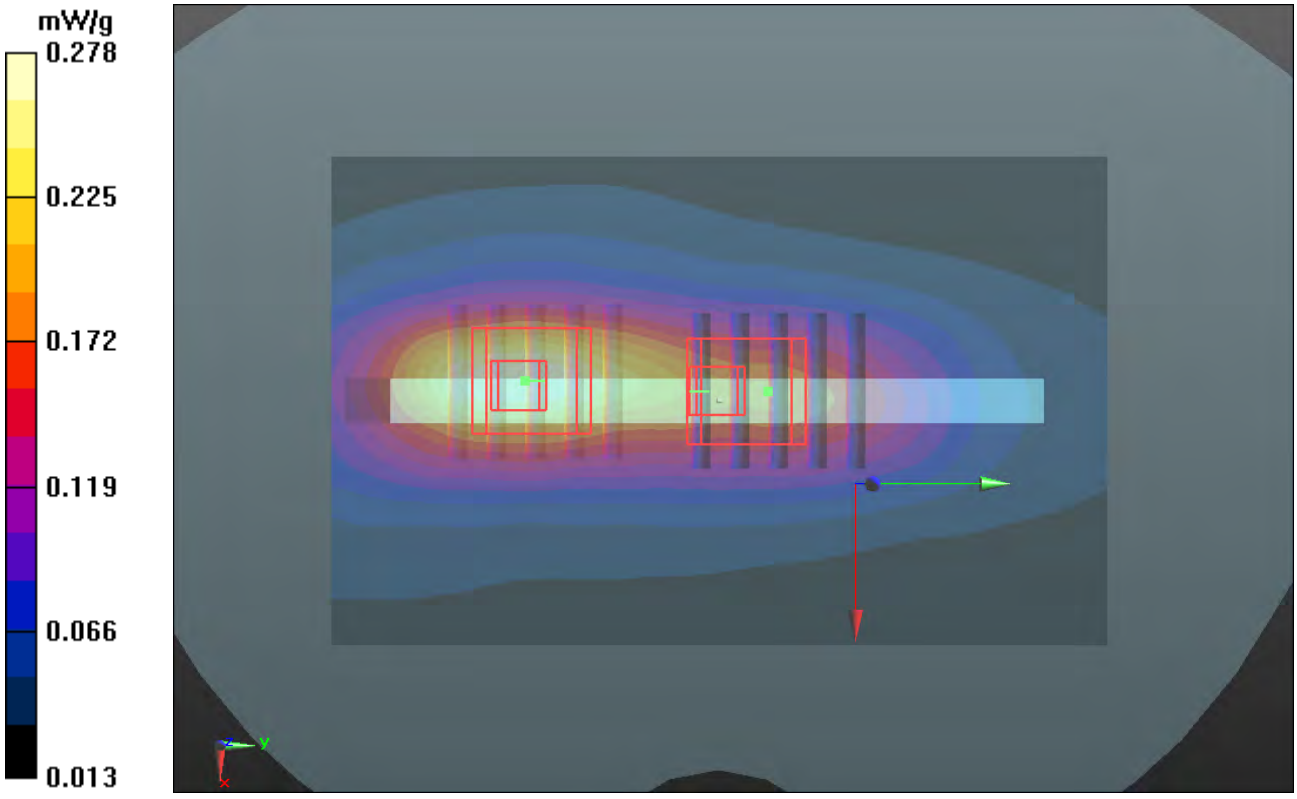
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.278 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.761 V/m; Power Drift = 0.123 dB
Peak SAR (extrapolated) = 0.3610
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.291 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.761 V/m; Power Drift = 0.123 dB
Peak SAR (extrapolated) = 0.2620
SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.101 mW/g
Maximum value of SAR (measured) = 0.215 mW/g



P352 LTE IV_QPSK_10M_Right Side_1cm_Ch20000_Battery1_25RB_Offset 12

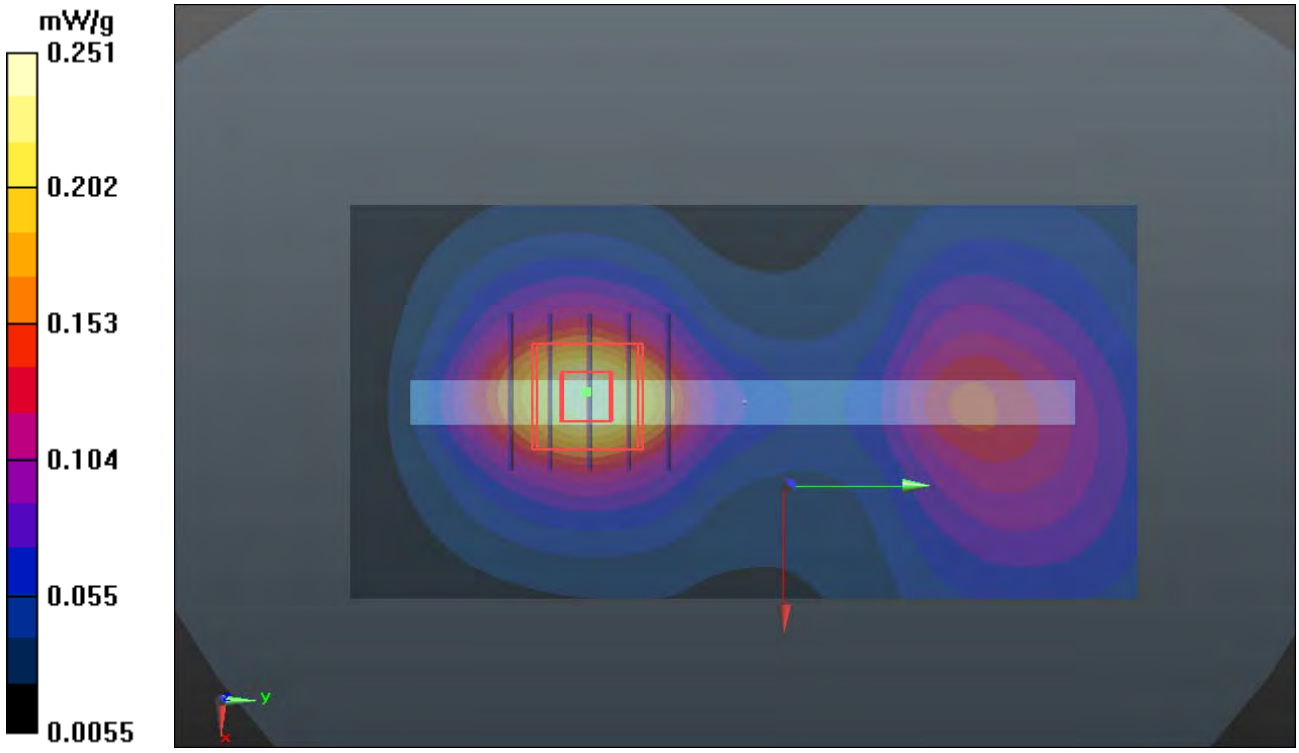
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.251 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.071 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.2850
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.111 mW/g
Maximum value of SAR (measured) = 0.239 mW/g



P354 LTE IV_QPSK_10M_ Bottom Side_1cm_Ch20000_Battery1_25RB_Offset 12

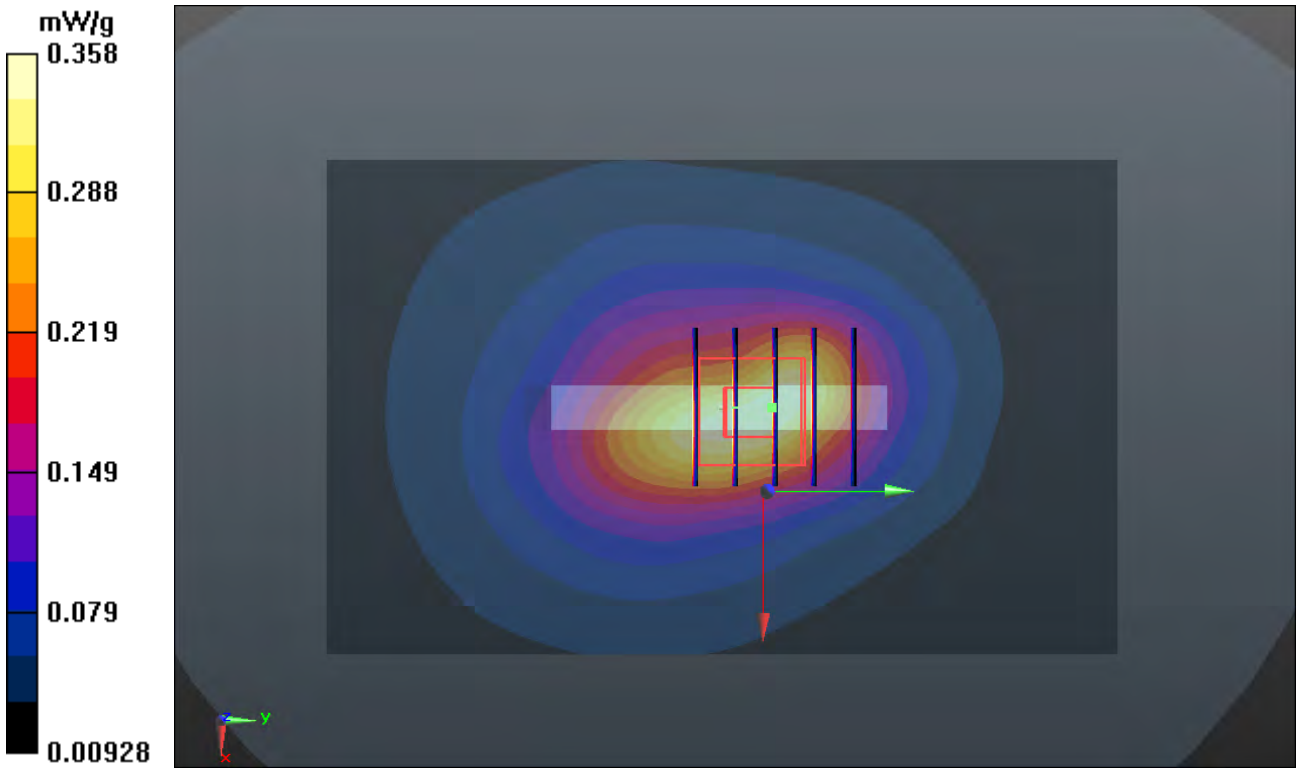
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.358 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.547 V/m; Power Drift = 0.0042 dB
Peak SAR (extrapolated) = 0.7420
SAR(1 g) = 0.432 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 0.612 mW/g



P356 LTE IV_QPSK_10M_Rear Face_1cm_Ch20000_Battery1_25RB_Offset 12_Earphone

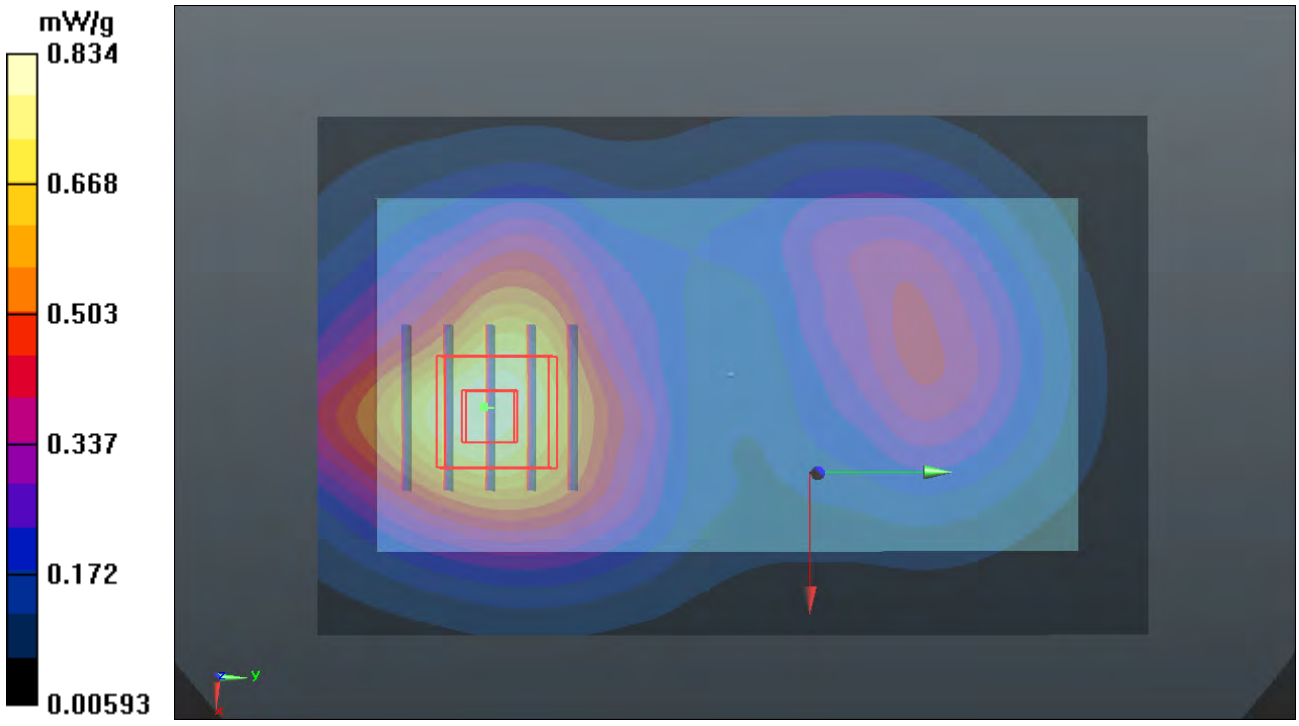
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.834 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.353 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.9960
SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.438 mW/g
Maximum value of SAR (measured) = 0.828 mW/g



P357 LTE IV_QPSK_10M_Front Face_1cm_Ch20000_Battery1_1RB_Offset 0

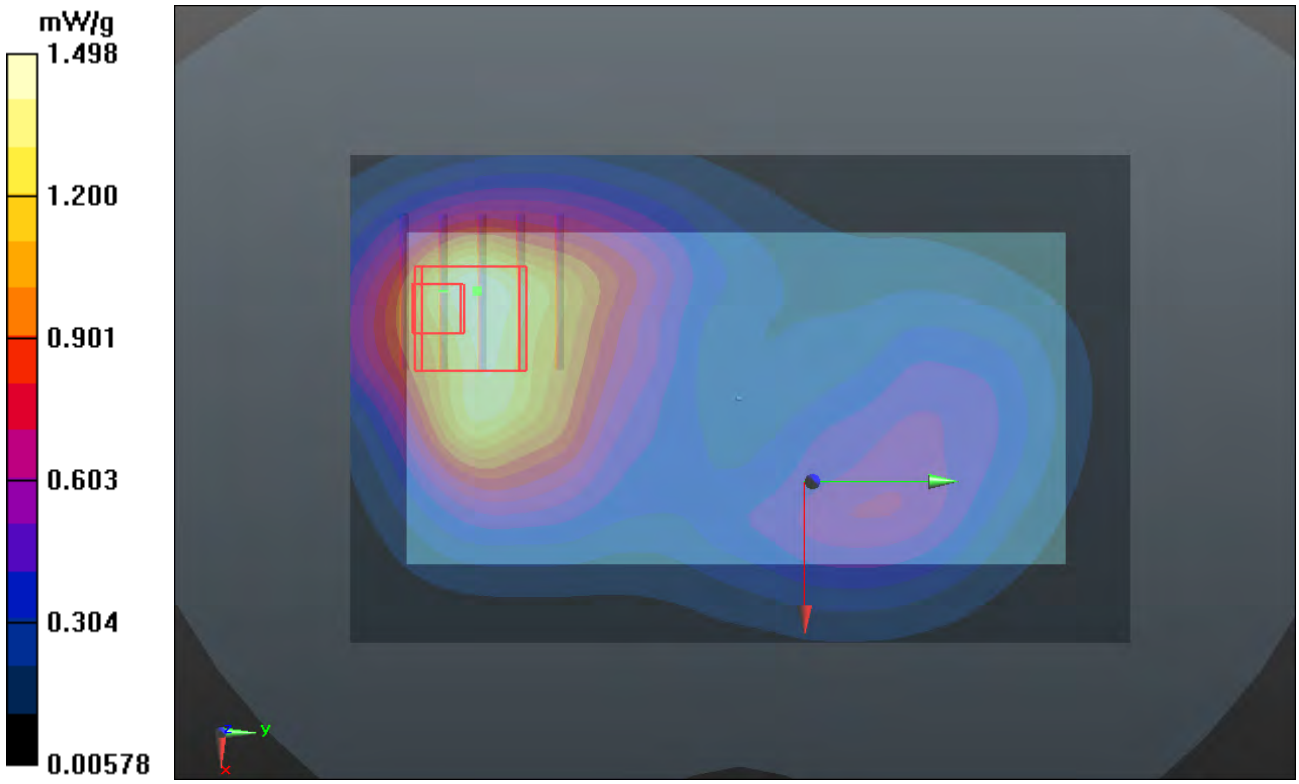
DUT: 111130C18

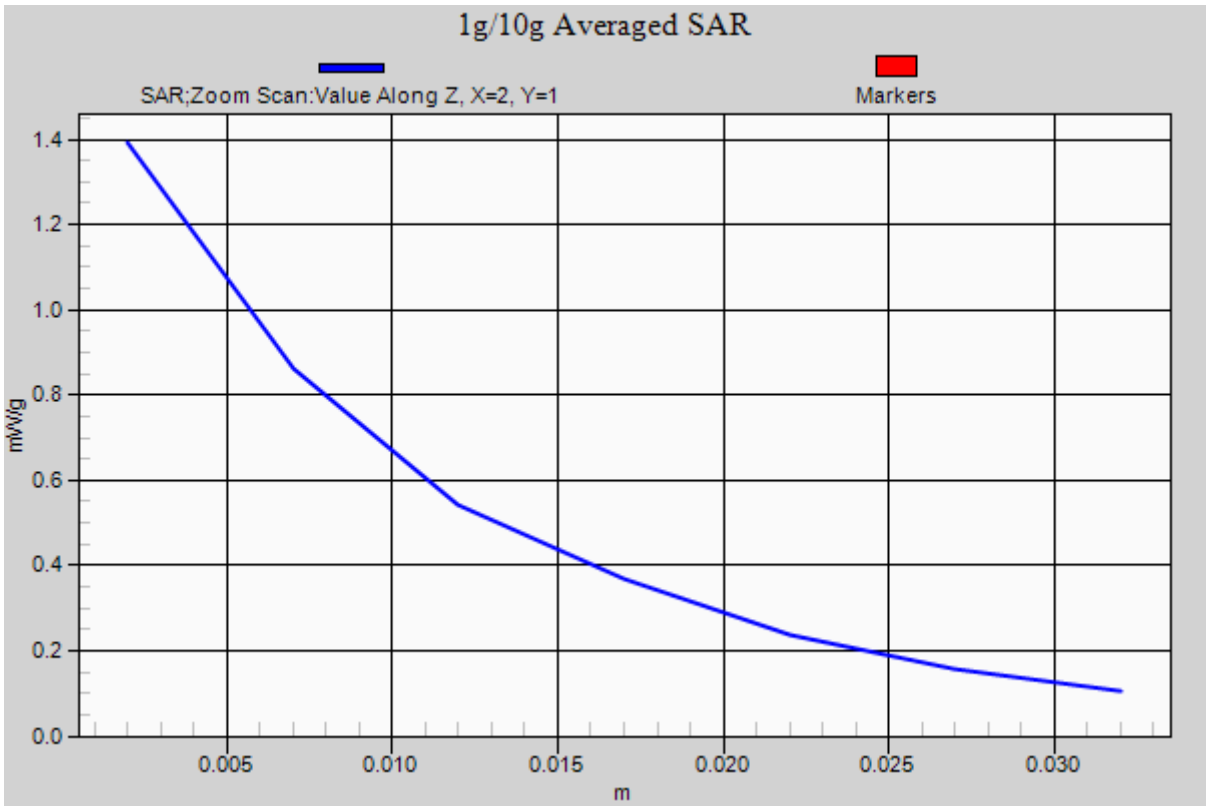
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.498 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.759 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.6900
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.698 mW/g
Maximum value of SAR (measured) = 1.392 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=1
Markers
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

P358 LTE IV_QPSK_10M_Rear Face_1cm_Ch20000_Battery1_1RB_Offset 0

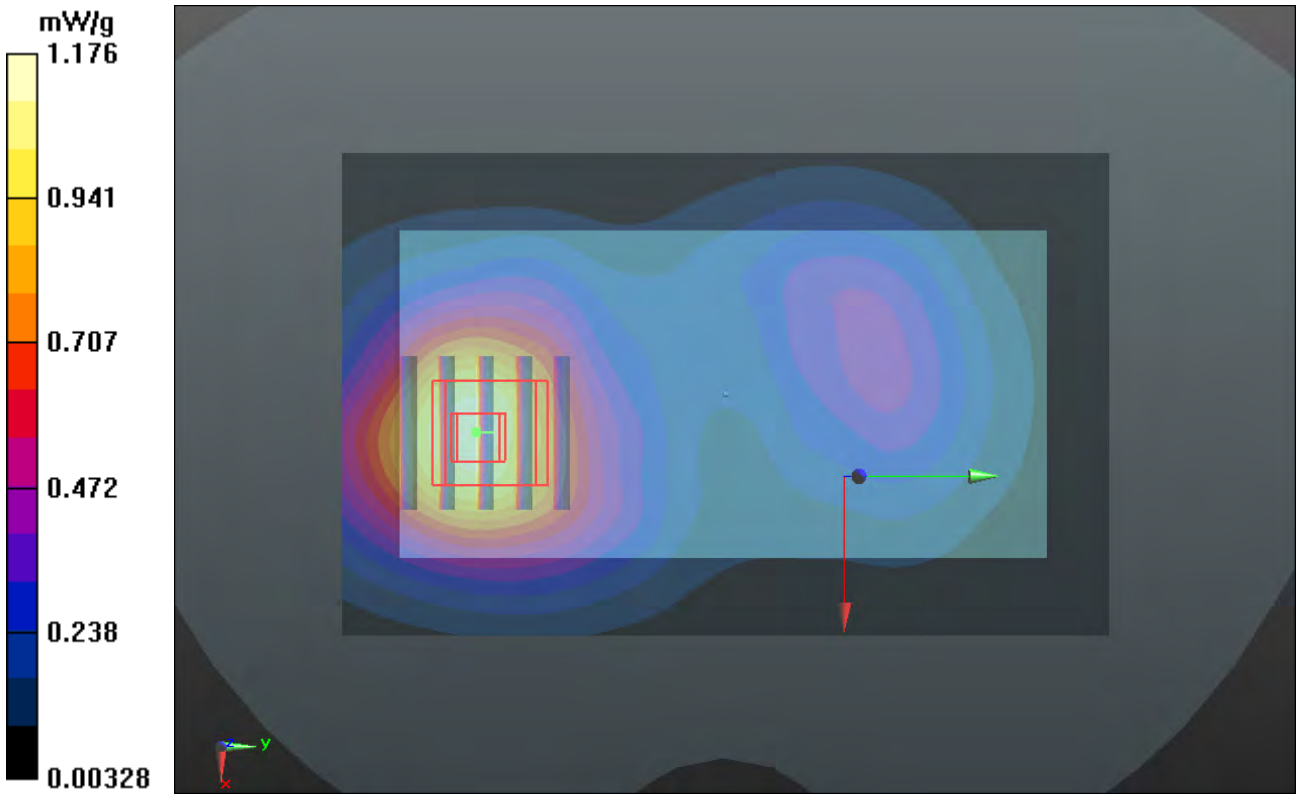
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.176 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.899 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.4080
SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.594 mW/g
Maximum value of SAR (measured) = 1.186 mW/g



P359 LTE IV_QPSK_10M_Left Side_1cm_Ch20000_Battery1_1RB_Offset 0

DUT: 111130C18

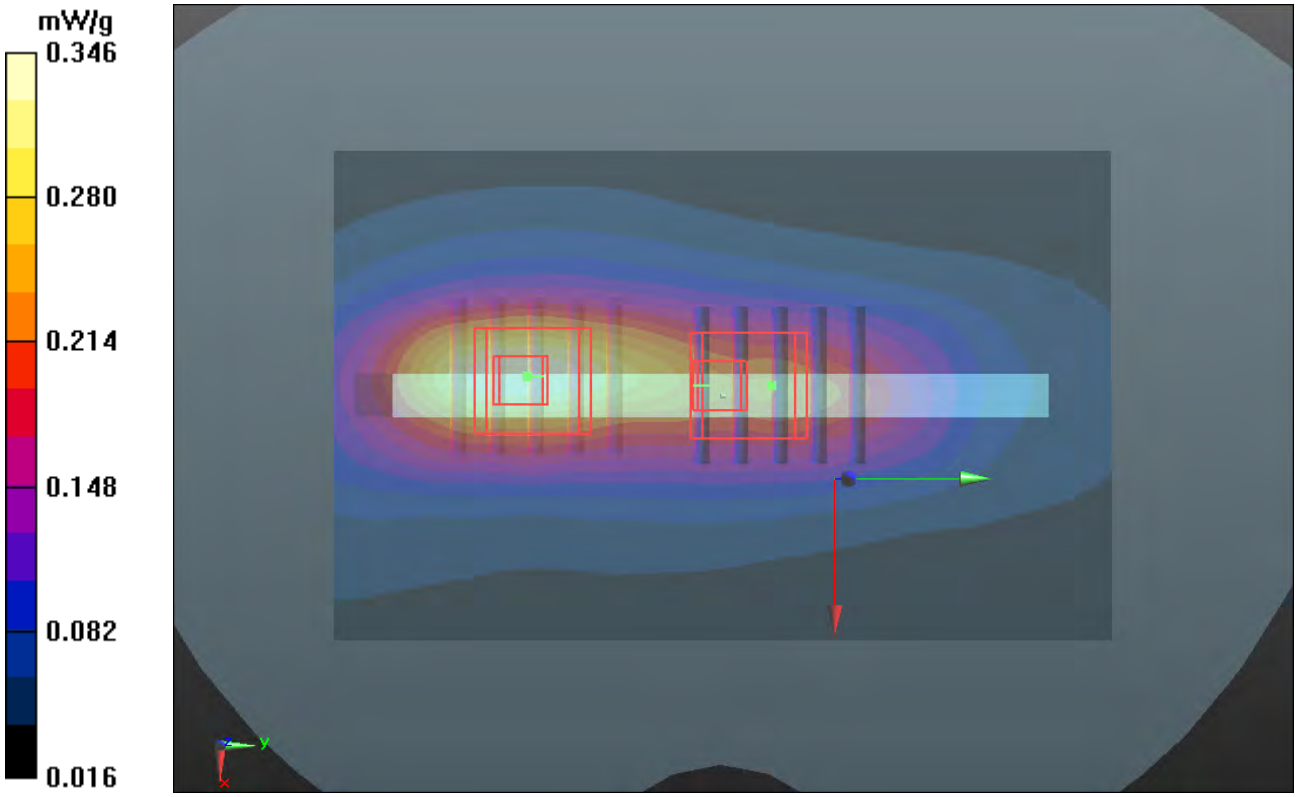
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.346 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.278 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.4280
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.353 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.278 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.3070
SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.258 mW/g



P360 LTE IV_QPSK_10M_Right Side_1cm_Ch20000_Battery1_1RB_Offset 0

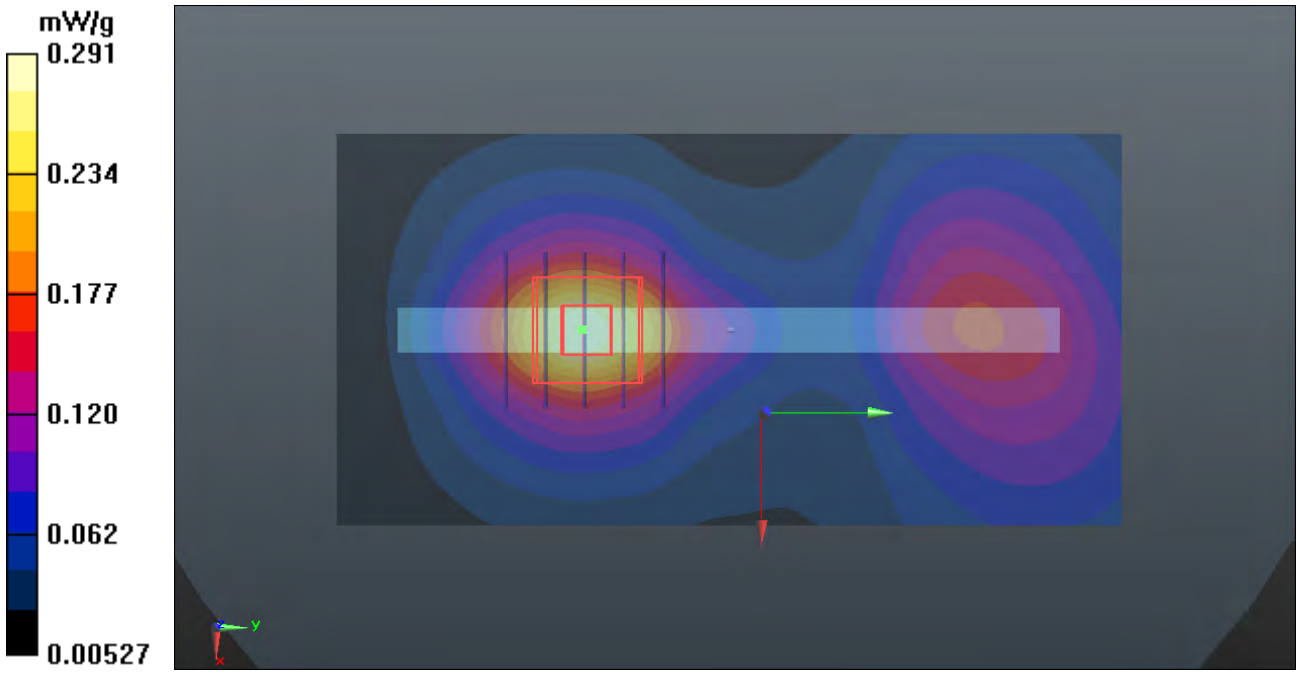
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.291 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.482 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.3260
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.128 mW/g
Maximum value of SAR (measured) = 0.270 mW/g



P362 LTE IV_QPSK_10M_Bottom Side_1cm_Ch20000_Battery1_1RB_Offset 0

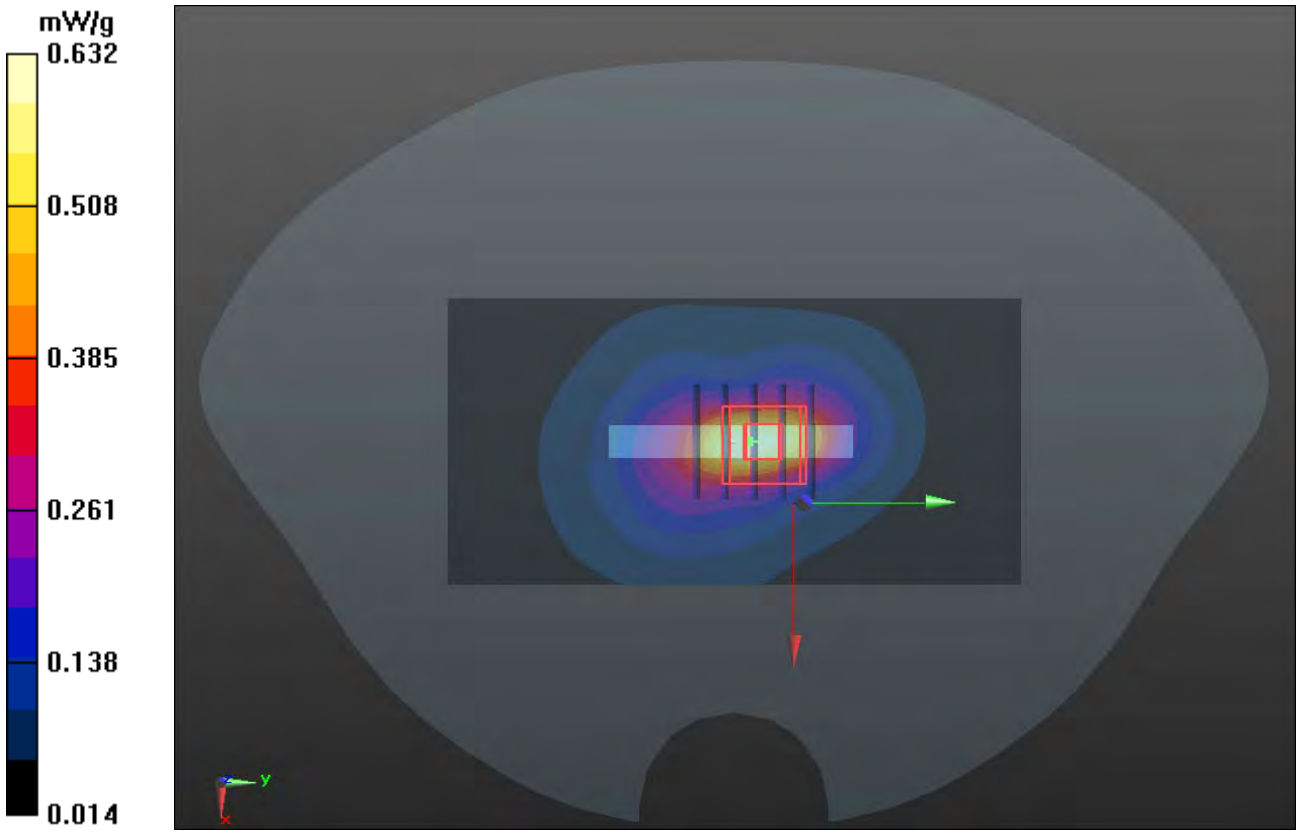
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.632 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.213 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.8630
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.261 mW/g
Maximum value of SAR (measured) = 0.705 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/01/11

P364 LTE IV_QPSK_10M_Front Face_1cm_Ch20000_Battery1_1RB_Offset 0_Earphone

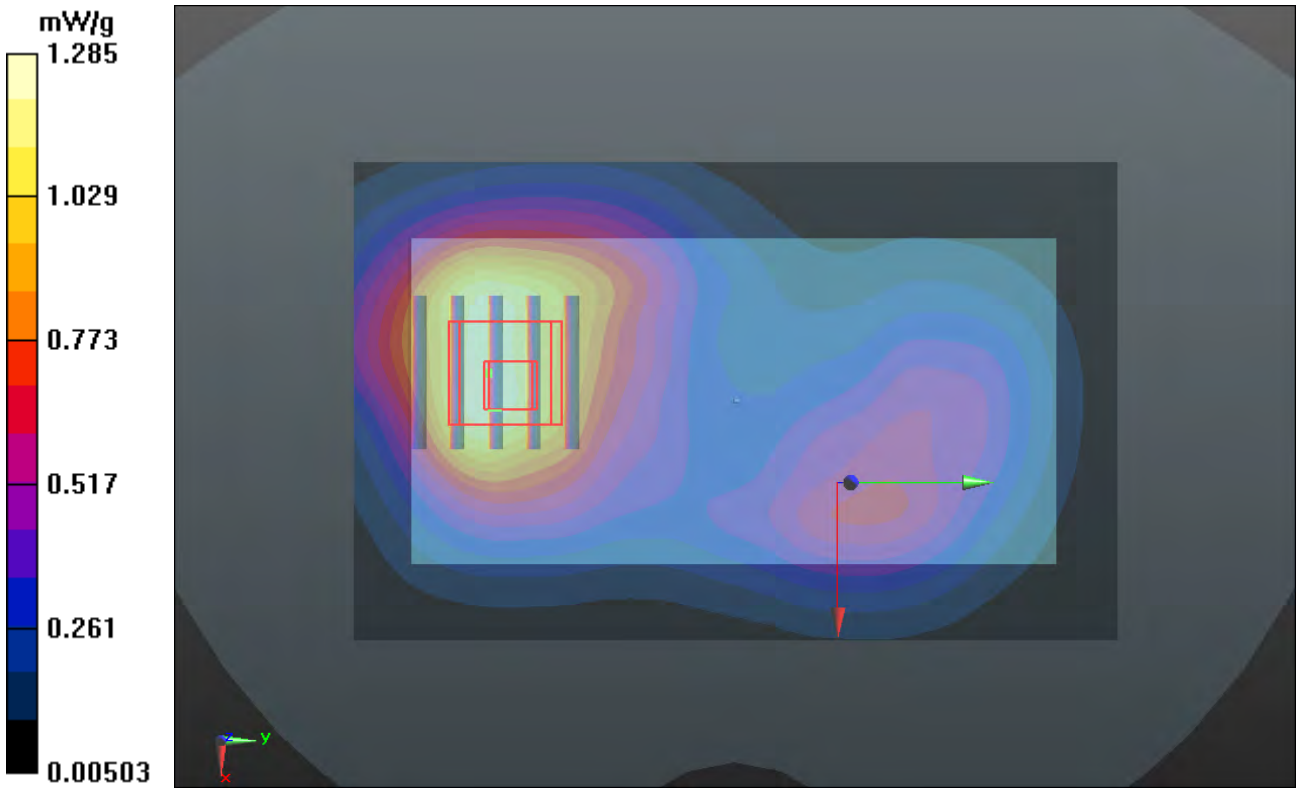
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.285 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.758 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 1.4310
SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.621 mW/g
Maximum value of SAR (measured) = 1.184 mW/g



P363 LTE IV_QPSK_10M_Front Face_1cm_Ch20000_Battery2_1RB_Offset 0

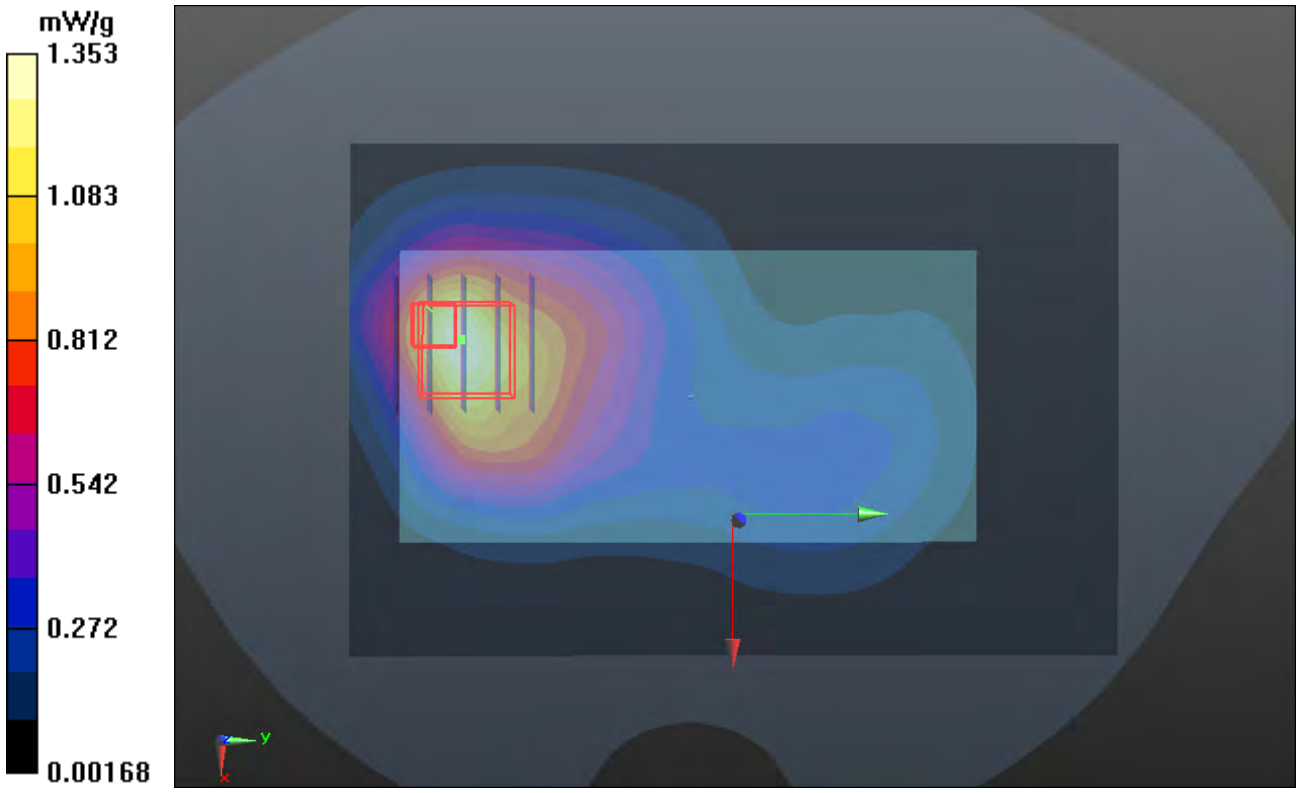
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0114 Medium parameters used: f = 1715 MHz; σ = 1.45 mho/m; ε_r = 52.929; ρ = 1000 kg/m^3
Ambient Temperature：22.0 ℃; Liquid Temperature：221.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (61x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.353 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.282 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.3340
SAR(1 g) = 0.860 mW/g; SAR(10 g) = 0.553 mW/g
Maximum value of SAR (measured) = 1.090 mW/g



P365 LTE IV_QPSK_10M_Front Face_1cm_Ch20000_Battery1_1RB_Offset 49

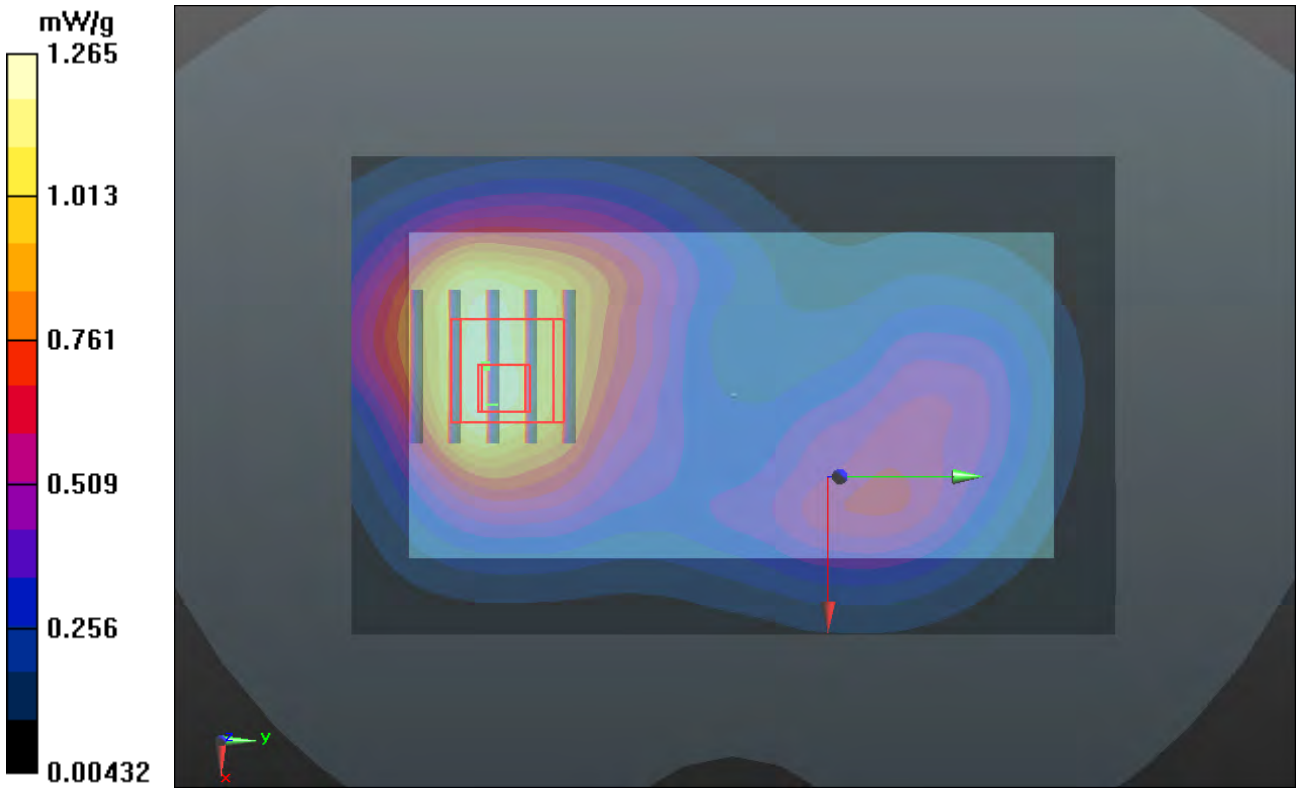
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.265 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.210 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.3670
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.595 mW/g
Maximum value of SAR (measured) = 1.135 mW/g



P366 LTE IV_QPSK_10M_Rear Face_1cm_Ch20000_Battery1_1RB_Offset 49

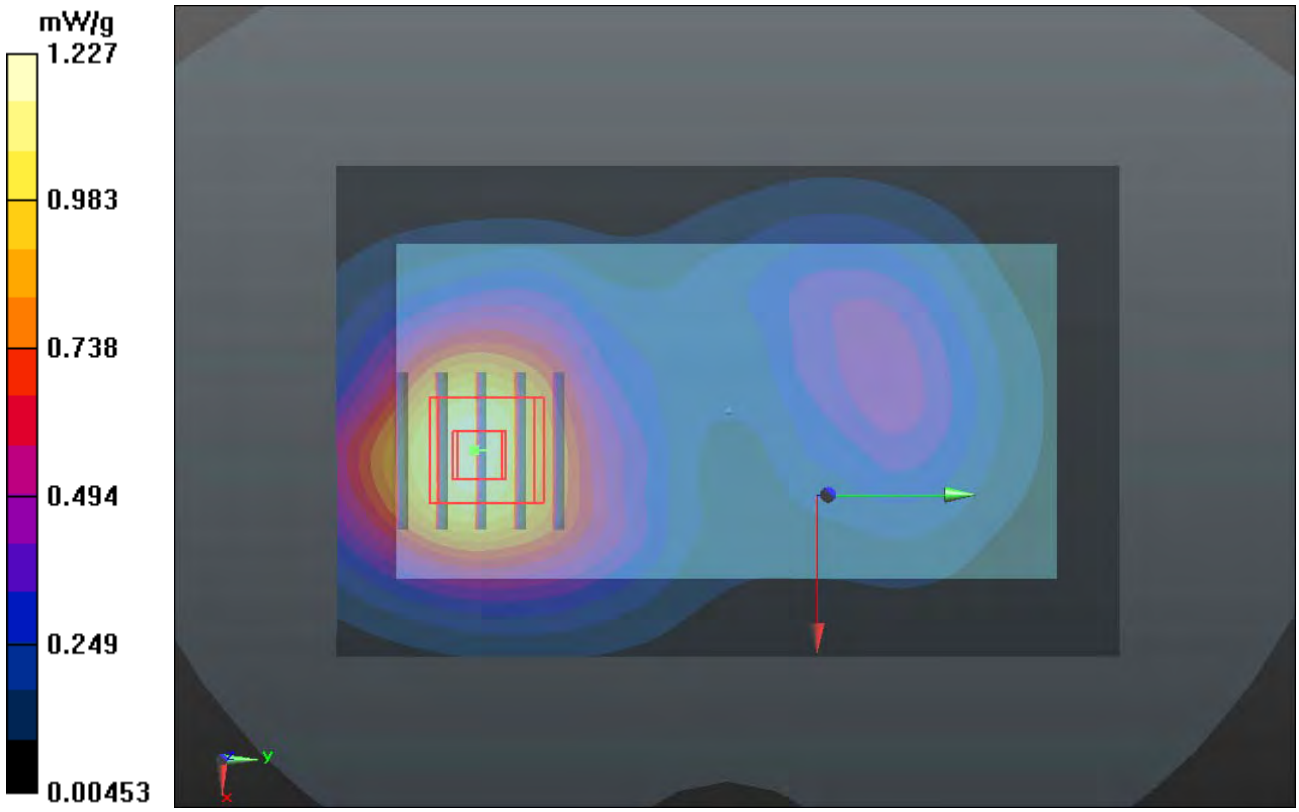
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.227 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.884 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.4730
SAR(1 g) = 0.979 mW/g; SAR(10 g) = 0.618 mW/g
Maximum value of SAR (measured) = 1.243 mW/g



P367 LTE IV_QPSK_10M_Left Side_1cm_Ch20000_Battery1_1RB_Offset 49

DUT: 111130C18

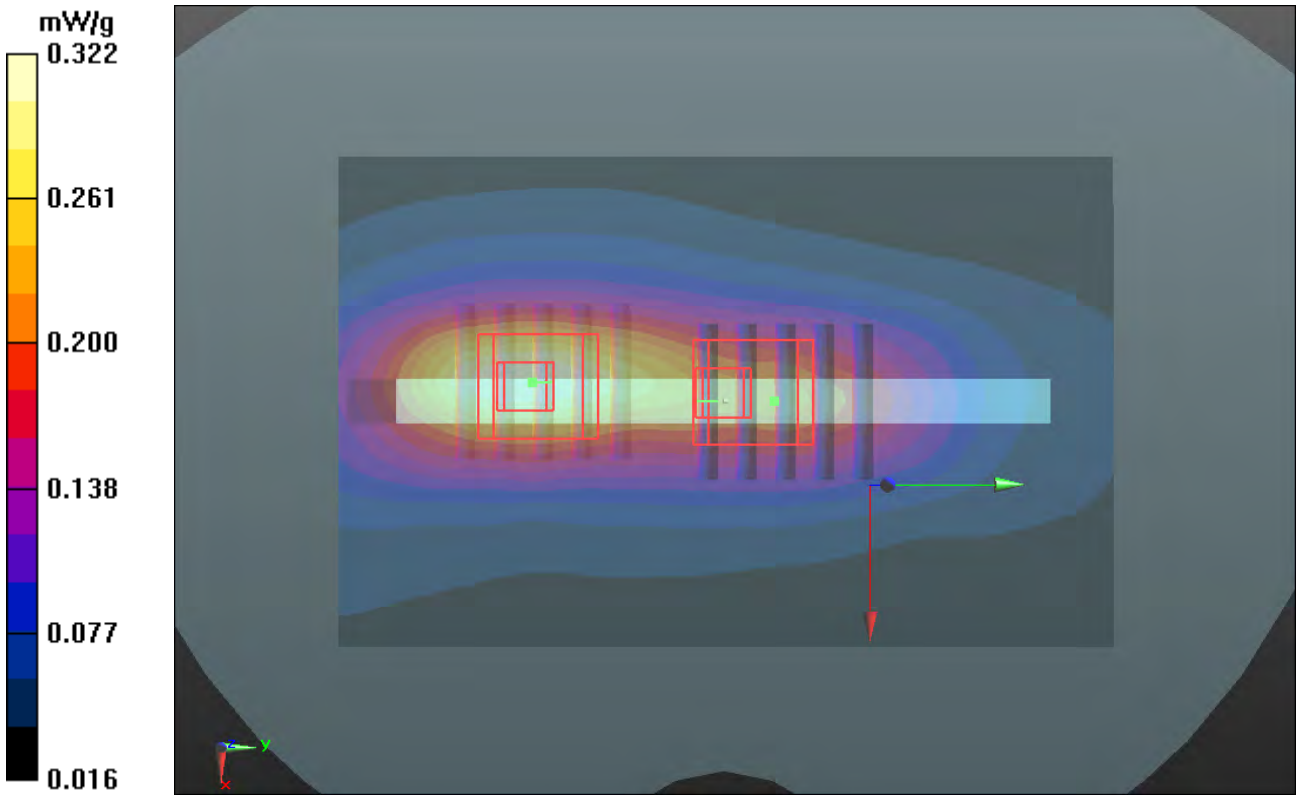
Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.322 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.027 V/m; Power Drift = 0.0076 dB
Peak SAR (extrapolated) = 0.4080
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.155 mW/g
Maximum value of SAR (measured) = 0.336 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.027 V/m; Power Drift = 0.0076 dB
Peak SAR (extrapolated) = 0.2950
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.243 mW/g



P368 LTE IV_QPSK_10M_Right Side_1cm_Ch20000_Battery1_1RB_Offset 49

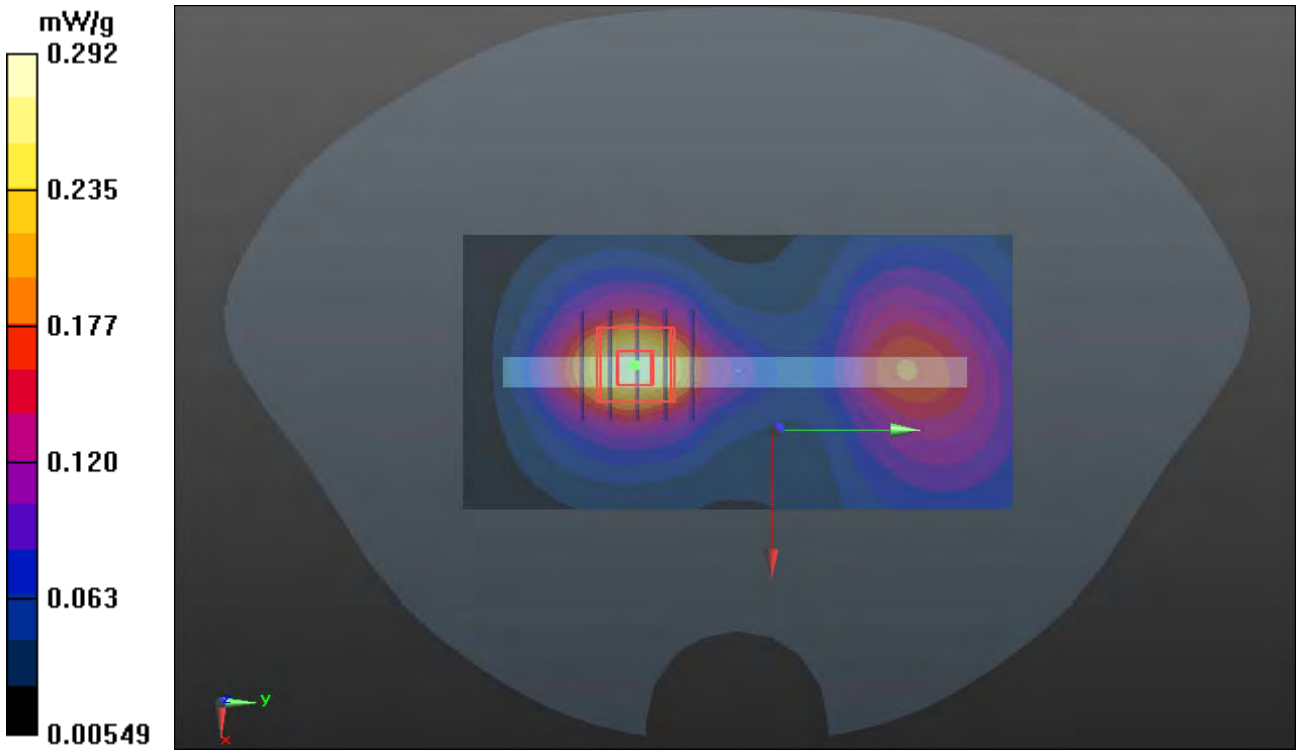
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.292 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.206 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.3280
SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.274 mW/g



P370 LTE IV_QPSK_10M_Bottom Side_1cm_Ch20000_Battery1_1RB_Offset 49

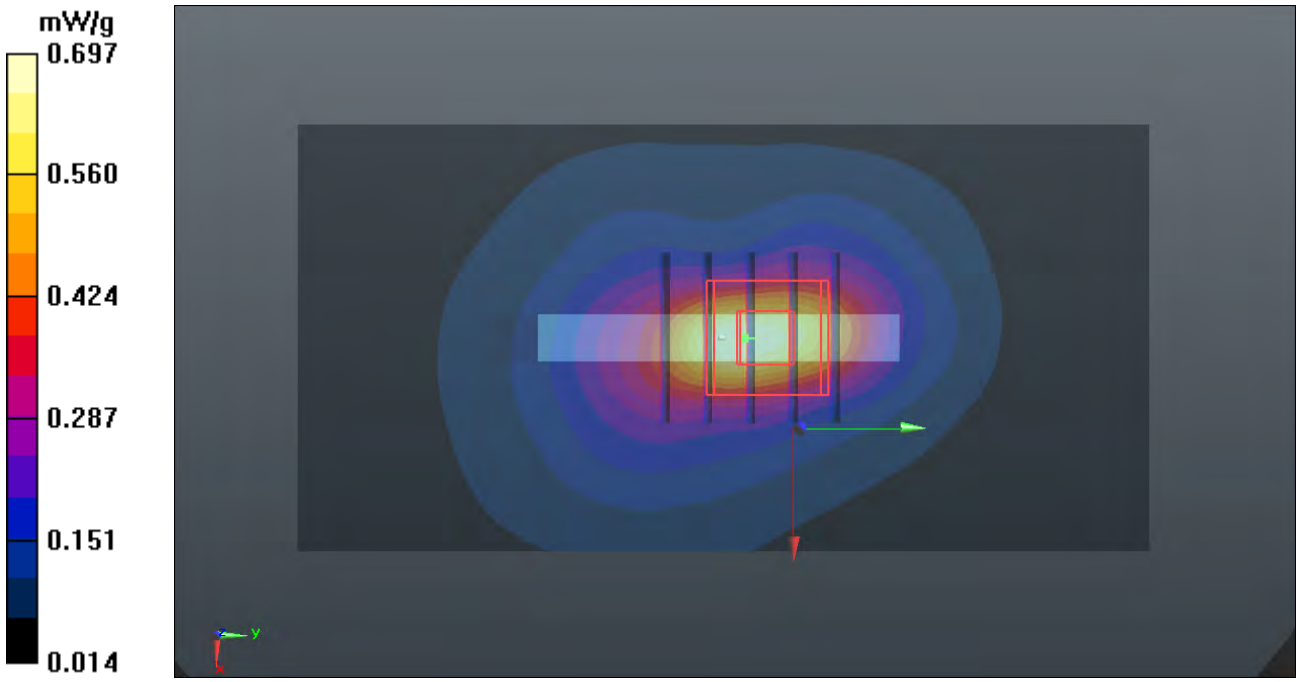
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.697 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.160 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.9170
SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.286 mW/g
Maximum value of SAR (measured) = 0.750 mW/g



P372 LTE IV_QPSK_10M_Rear Face_1cm_Ch20000_Battery1_1RB_Offset 49_Earphone

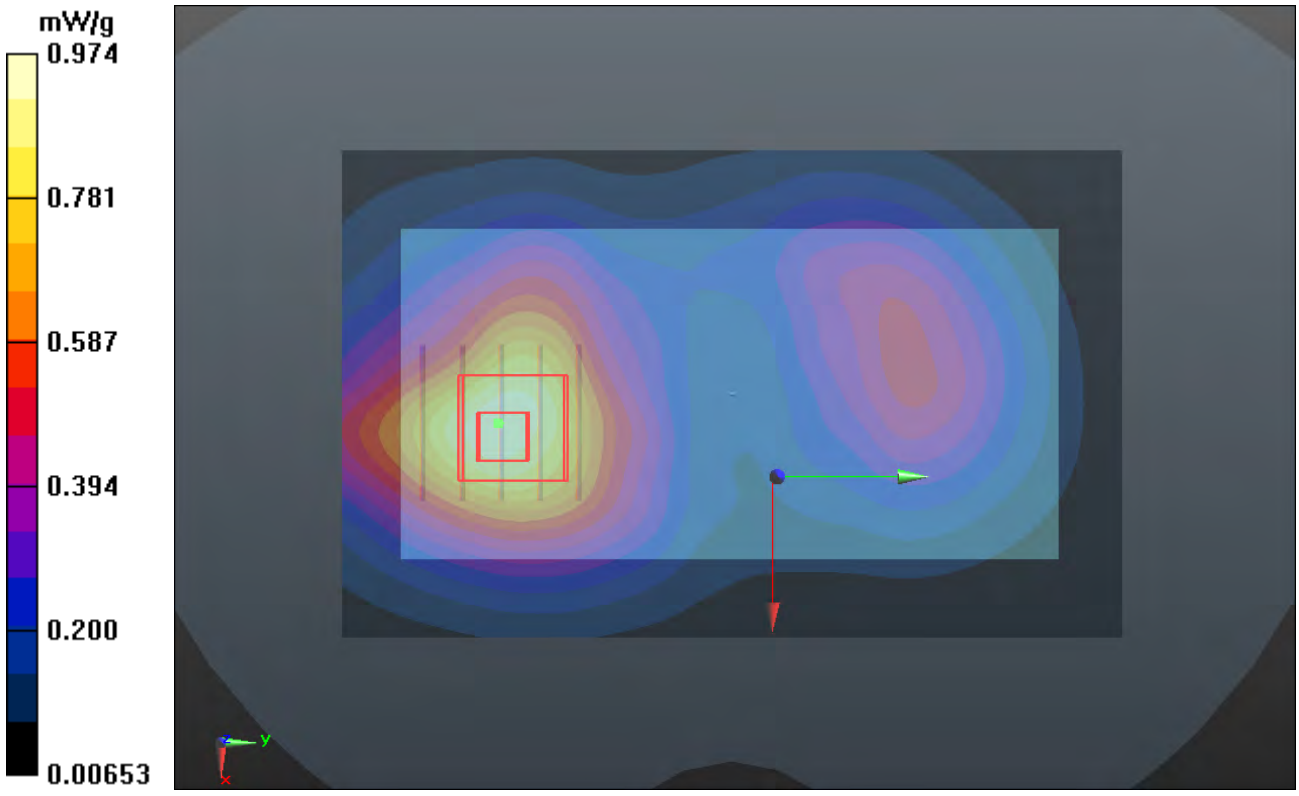
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.974 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.031 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.1550
SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.513 mW/g
Maximum value of SAR (measured) = 0.973 mW/g



P374 LTE IV_16QAM_10M_Rear Face_1cm_Ch20000_Battery1_25RB_Offset 12

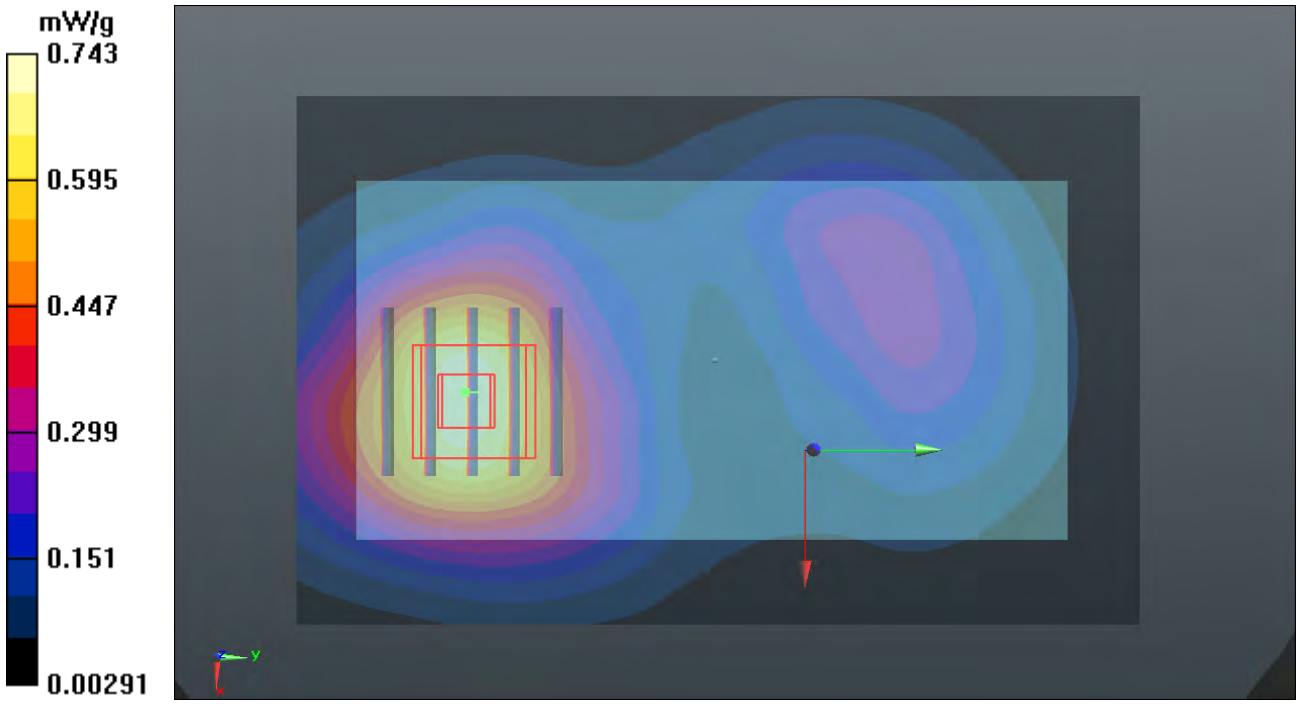
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.743 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.314 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.8990
SAR(1 g) = 0.602 mW/g; SAR(10 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.758 mW/g



P381 LTE IV_16QAM_10M_Front Face_1cm_Ch20000_Battery1_1RB_Offset 0

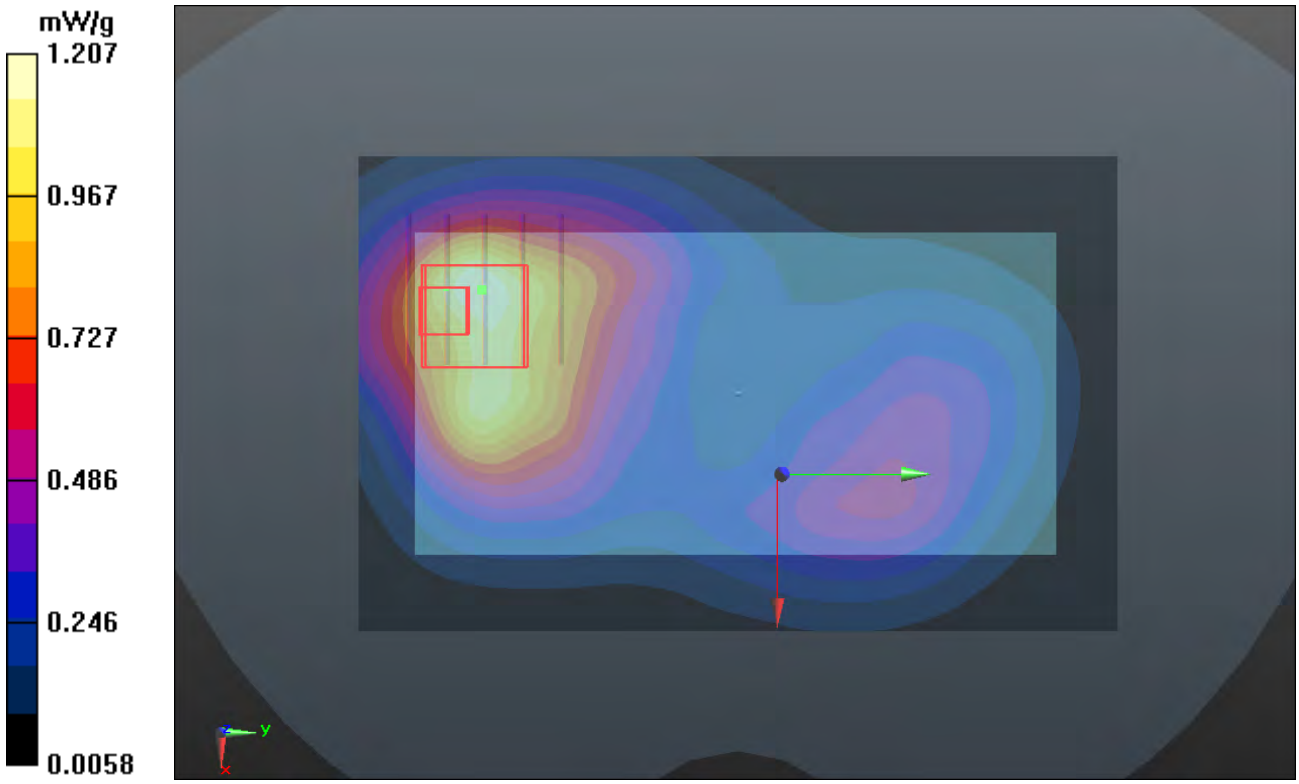
DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.207 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.660 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.2840
SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.562 mW/g
Maximum value of SAR (measured) = 1.063 mW/g



P390 LTE IV_16QAM_10M_Rear Face_1cm_Ch20000_Battery1_1RB_Offset 49

DUT: 111130C18

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0111 Medium parameters used: f = 1715 MHz; σ = 1.449 mho/m; ε_r = 52.77; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.213 mW/g

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.912 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.3830
SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.571 mW/g
Maximum value of SAR (measured) = 1.138 mW/g