# Appendix B. SAR Plots of SAR Measurement

The plots for SAR measurement are shown as follows.

# P01 GSM850_GPRS10_Right Cheek_Ch189

## DUT: 120710C03

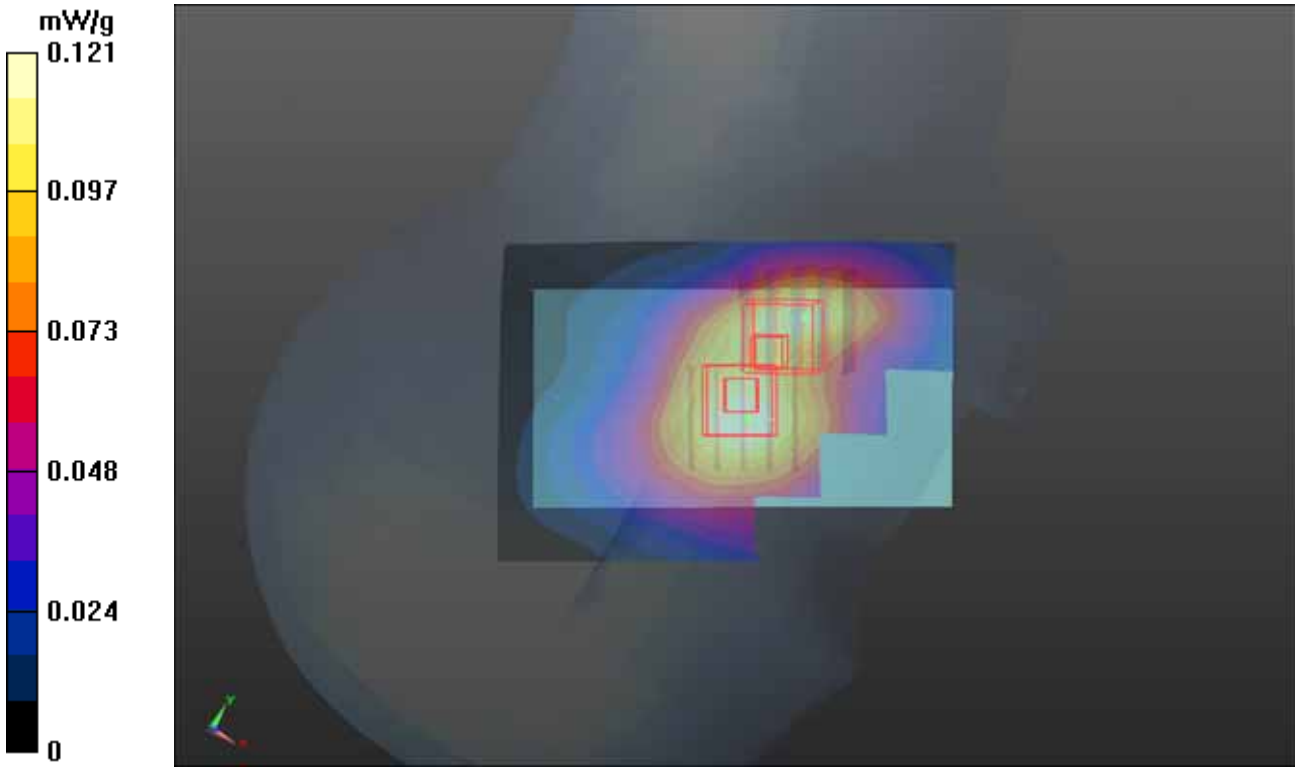
Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: H835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.919 mho/m; $\varepsilon_r$ = 42.859; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.05, 9.05, 9.05); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.121 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.169 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.159 mW/g
**SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.084 mW/g**
Maximum value of SAR (measured) = 0.140 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.169 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.148 mW/g
**SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.071 mW/g**
Maximum value of SAR (measured) = 0.134 mW/g



## P17 GSM850_GPRS10_Right Tilted_Ch189

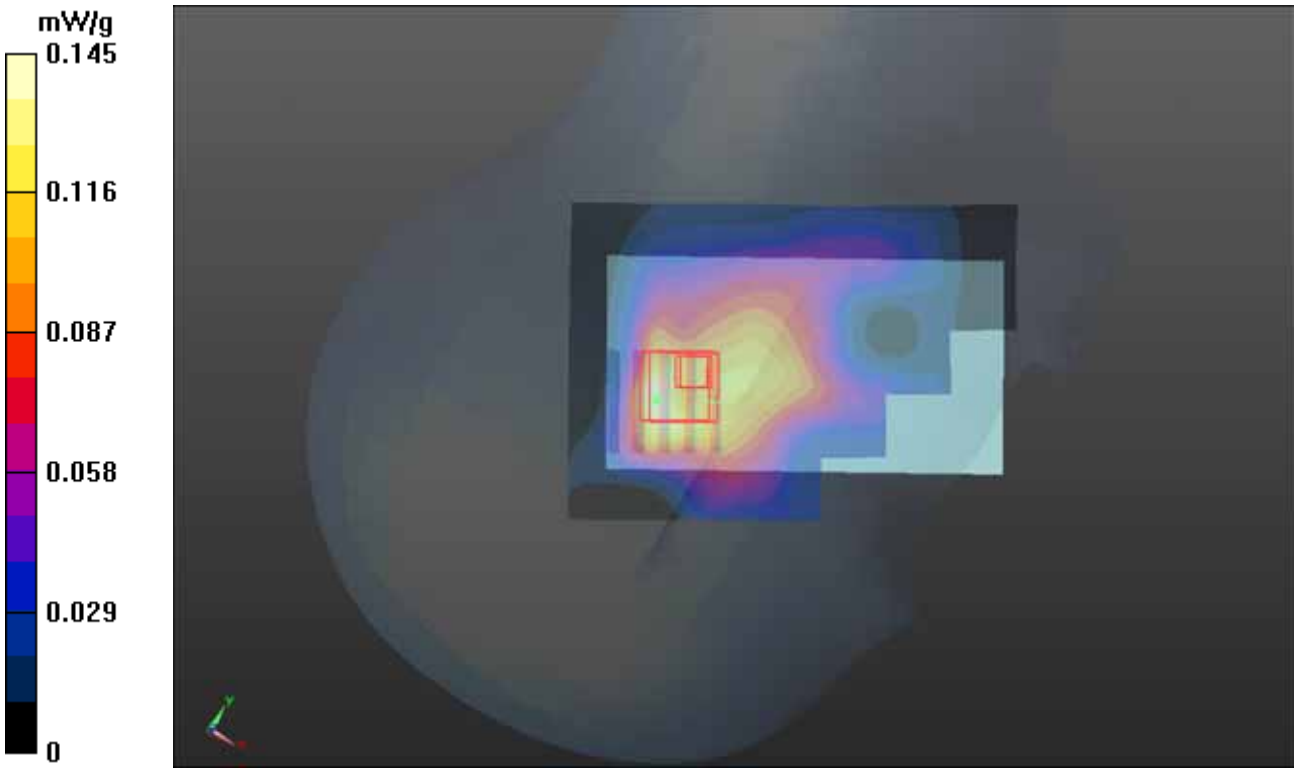
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: H835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.919 mho/m; $\varepsilon_r$ = 42.859; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.05, 9.05, 9.05); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.145 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.486 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.123 mW/g
**SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.061 mW/g**
Maximum value of SAR (measured) = 0.111 mW/g



## P03 GSM850_GPRS10_Left Cheek_Ch189

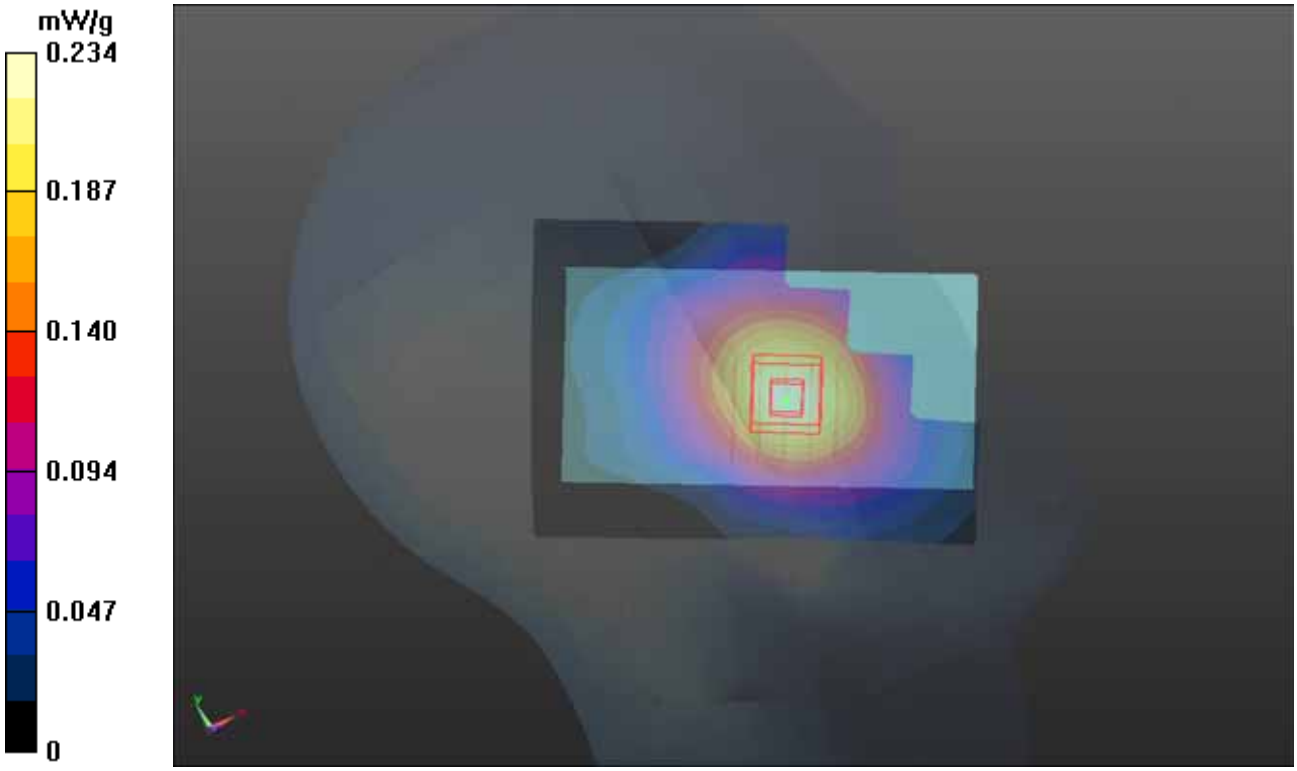
**DUT: 120710C03**

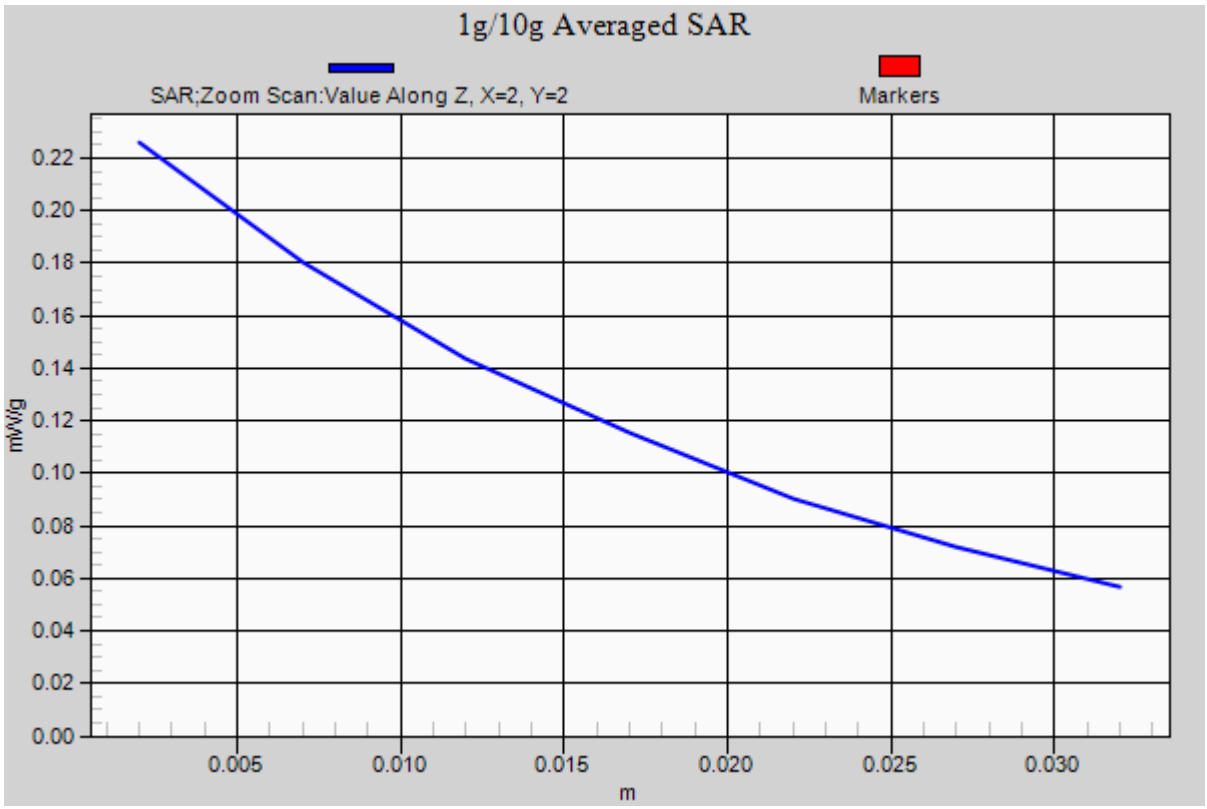
Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: H835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.919 mho/m; $\varepsilon_r$ = 42.859; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.05, 9.05, 9.05); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.234 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.154 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.249 mW/g
**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.148 mW/g**
Maximum value of SAR (measured) = 0.226 mW/g




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

## P04 GSM850_GPRS10_Left Tilted_Ch189

**DUT: 120710C03**

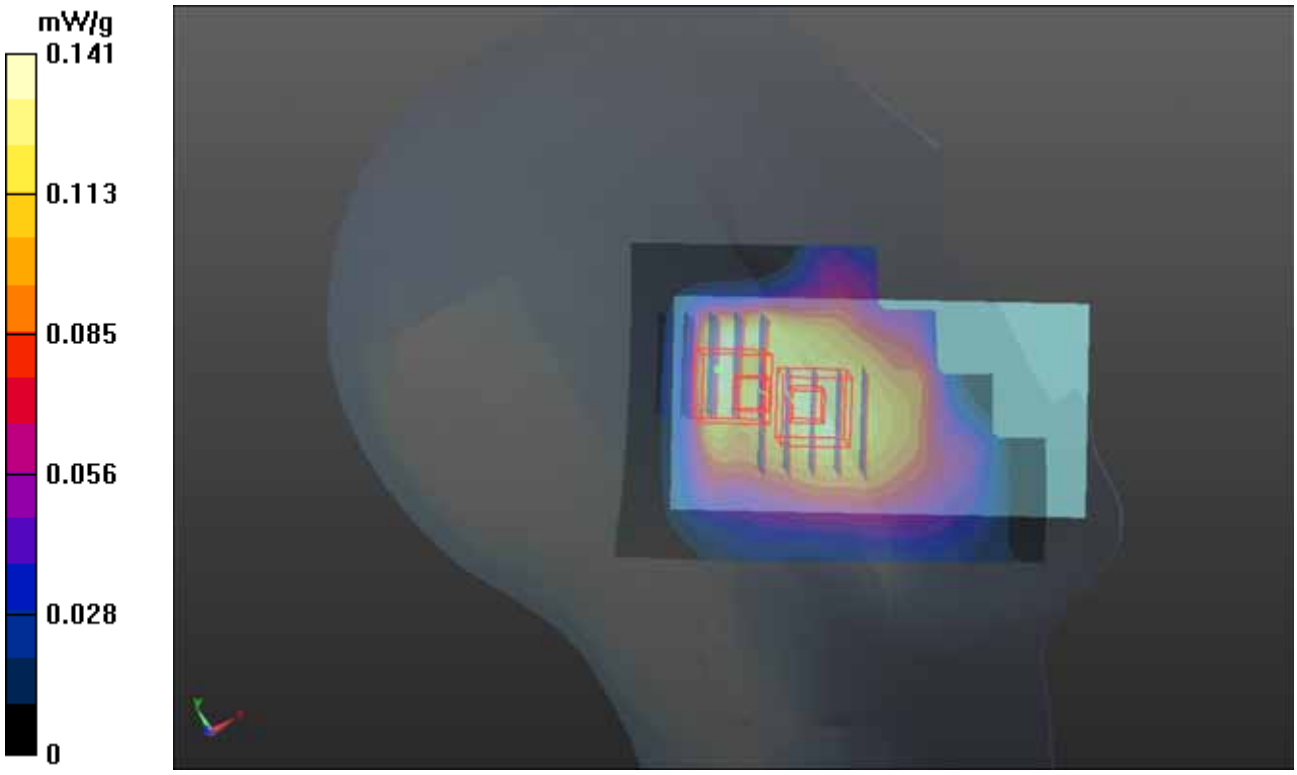
Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: H835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.919 mho/m; $\varepsilon_r$ = 42.859; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.05, 9.05, 9.05); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.141 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.245 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.147 mW/g
**SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.093 mW/g**
Maximum value of SAR (measured) = 0.134 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.245 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.133 mW/g
**SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.064 mW/g**
Maximum value of SAR (measured) = 0.122 mW/g



## P05 GSM1900_GPRS10_Right Cheek_Ch810

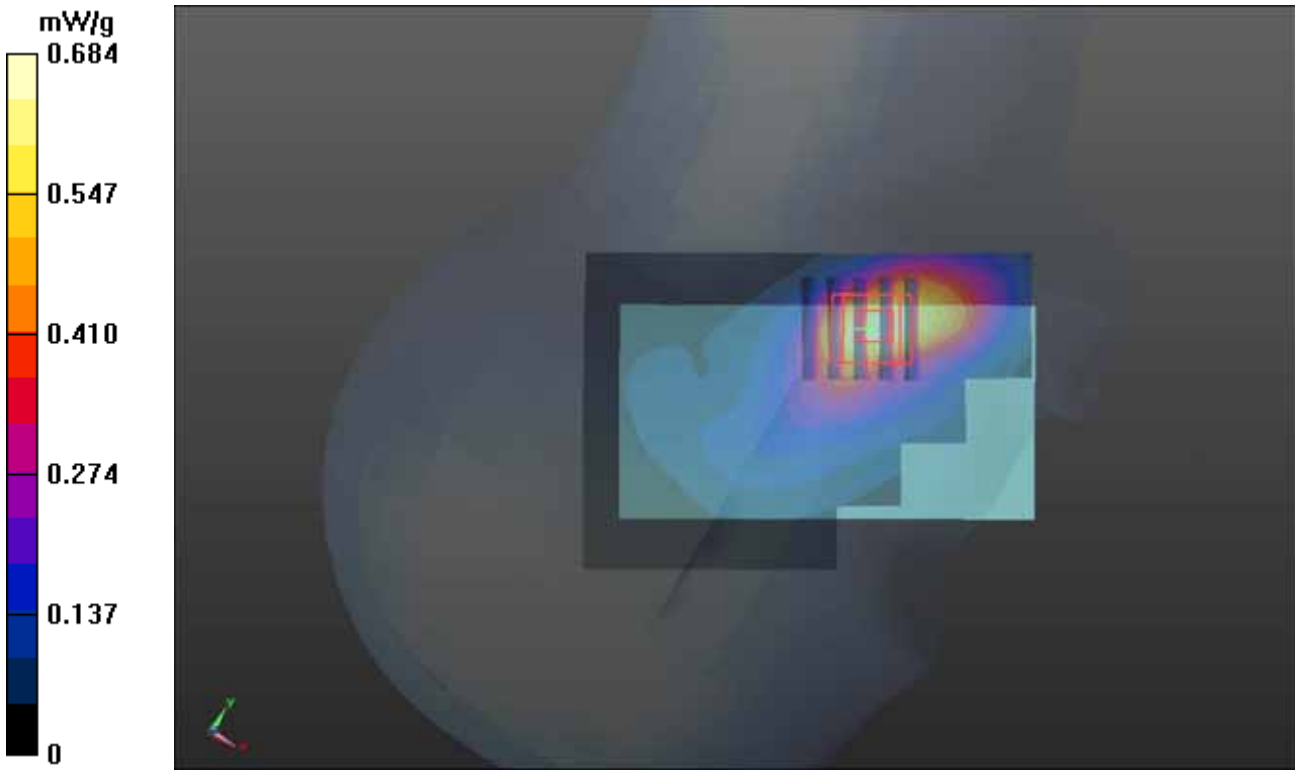
**DUT: 120710C03**

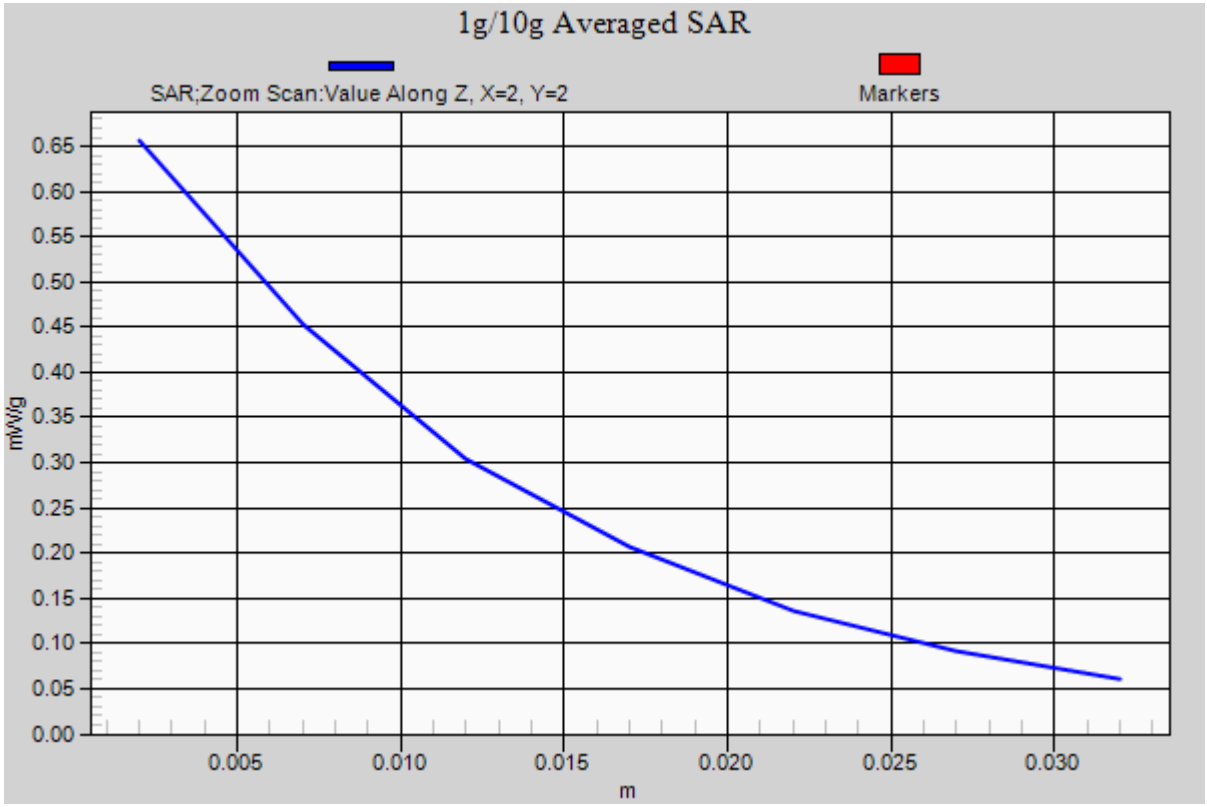
Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0724 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.451 mho/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch810/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.684 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.963 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.780 mW/g
**SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.319 mW/g**
Maximum value of SAR (measured) = 0.656 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

# P06 GSM1900_GPRS10_Right Tilted_Ch810

## DUT: 120710C03

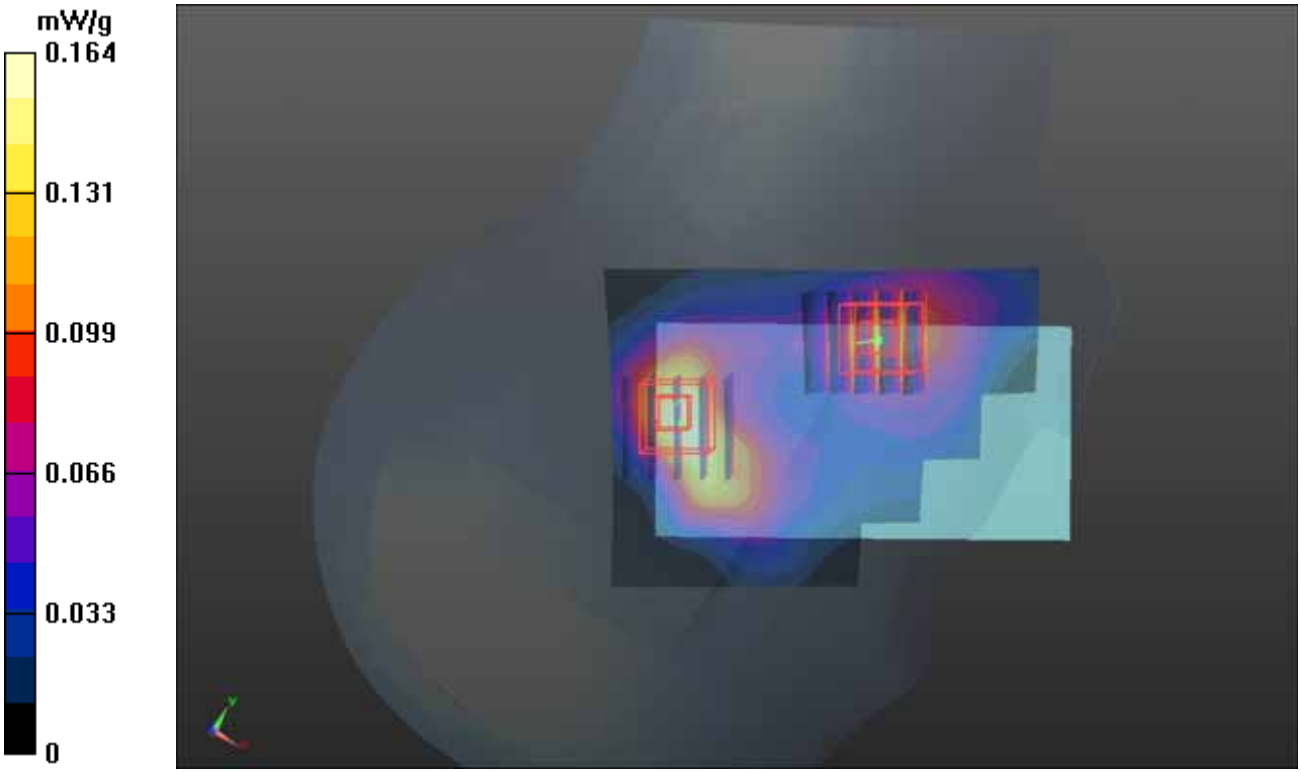
Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0724 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.451 mho/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch810/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.164 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.269 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.191 mW/g
**SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.073 mW/g**
Maximum value of SAR (measured) = 0.152 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.269 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.125 mW/g
**SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.057 mW/g**
Maximum value of SAR (measured) = 0.107 mW/g



## P07 GSM1900_GPRS10_Left Cheek_Ch810

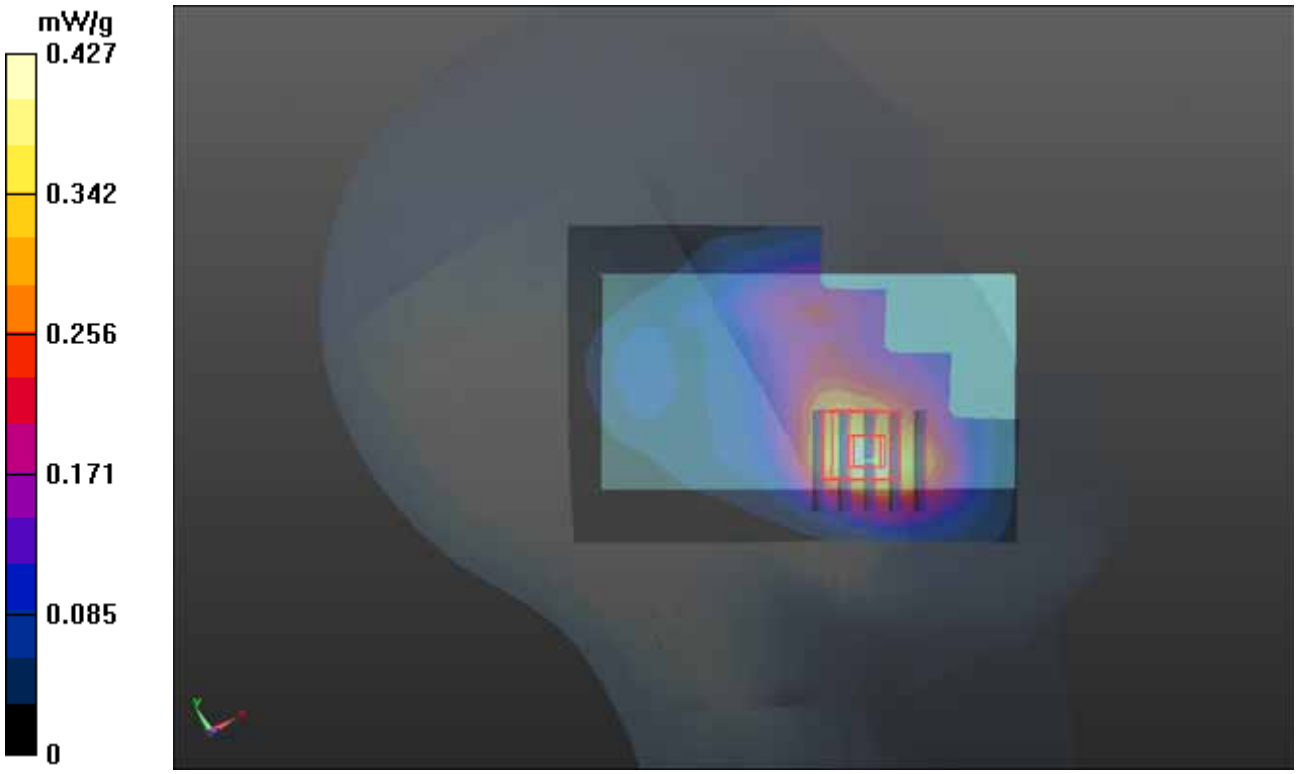
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0724 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.451 mho/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch810/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.427 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.219 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.531 mW/g
**SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.212 mW/g**
Maximum value of SAR (measured) = 0.448 mW/g



## P08 GSM1900_GPRS10_Left Tilted_Ch810

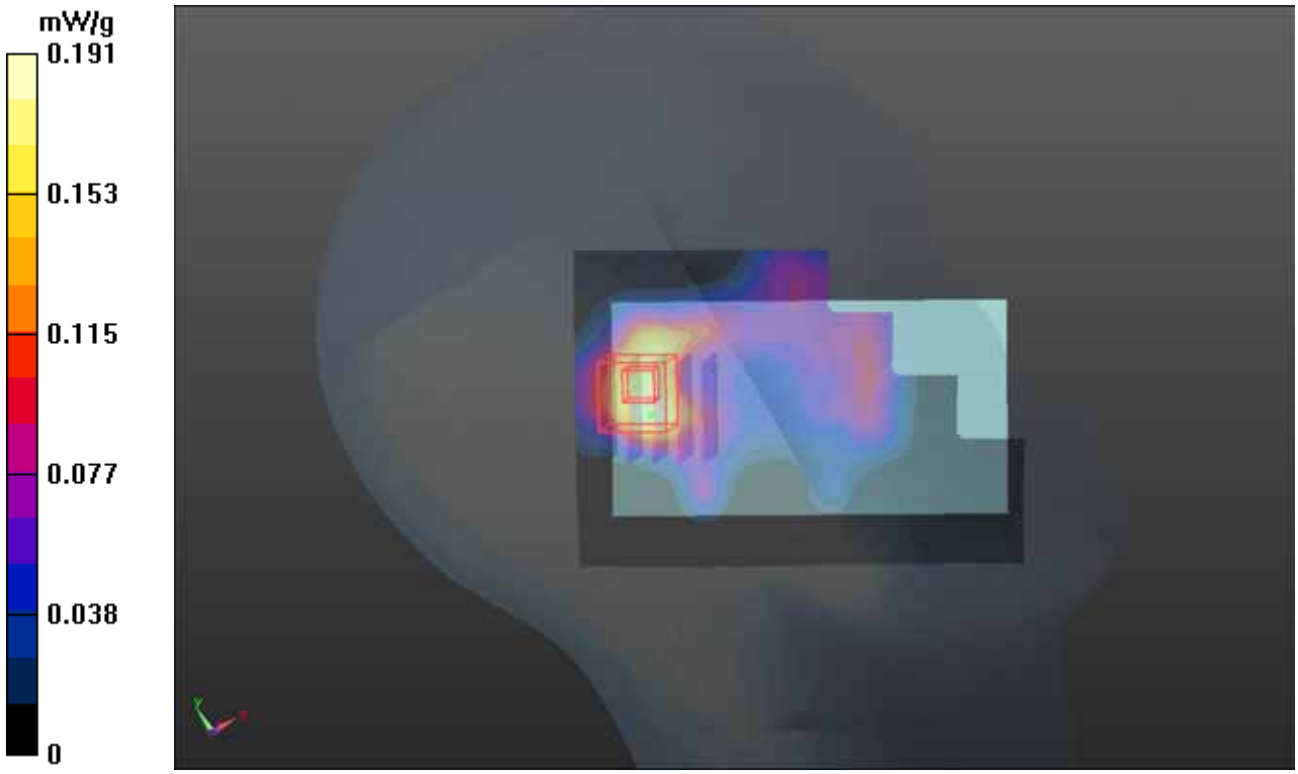
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0724 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.451 mho/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch810/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.191 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.363 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.496 mW/g
**SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.070 mW/g**
Maximum value of SAR (measured) = 0.156 mW/g



## P09 WCDMA V_RMC12.2K_Right Cheek_Ch4182

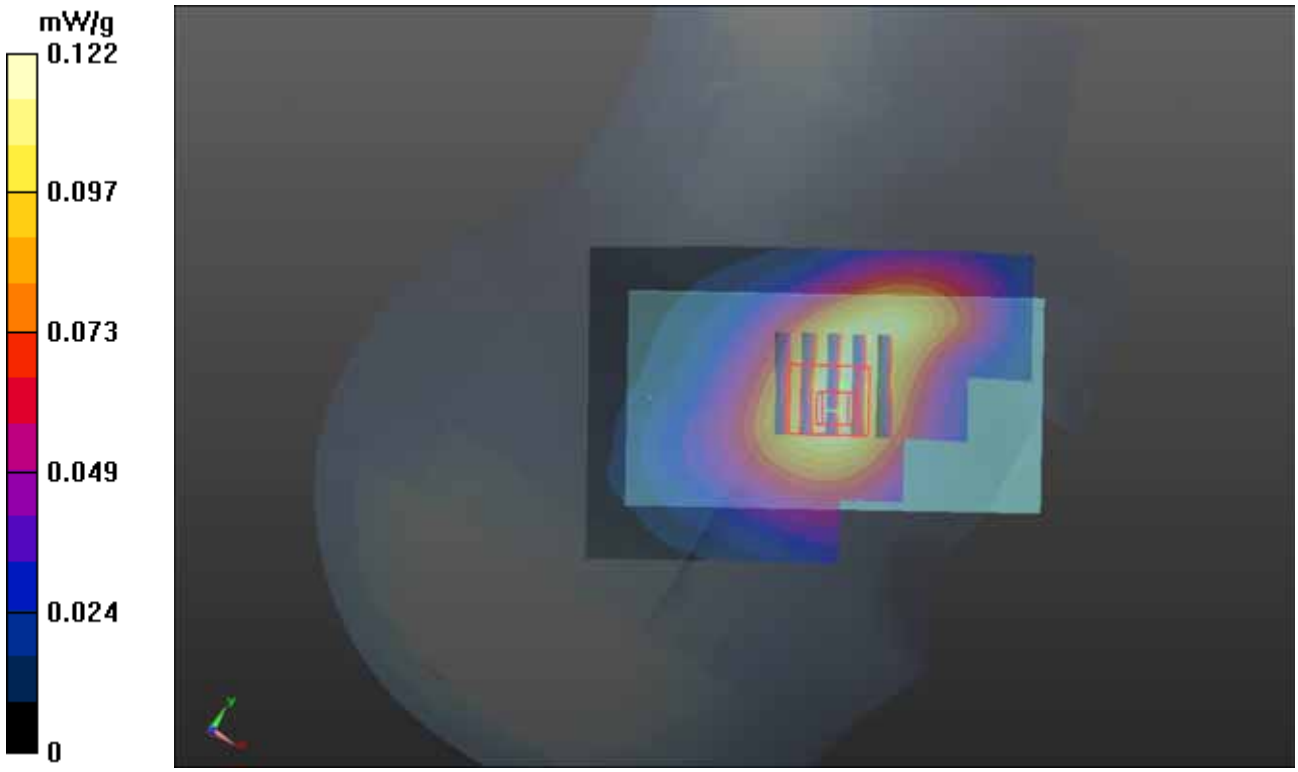
**DUT: 120710C03**

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.919 mho/m; $\varepsilon_r$ = 42.859; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.05, 9.05, 9.05); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch4182/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.122 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.165 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.137 mW/g
**SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.083 mW/g**
Maximum value of SAR (measured) = 0.125 mW/g



# P10 WCDMA V_RMC12.2K_Right Tilted_Ch4182

## DUT: 120710C03

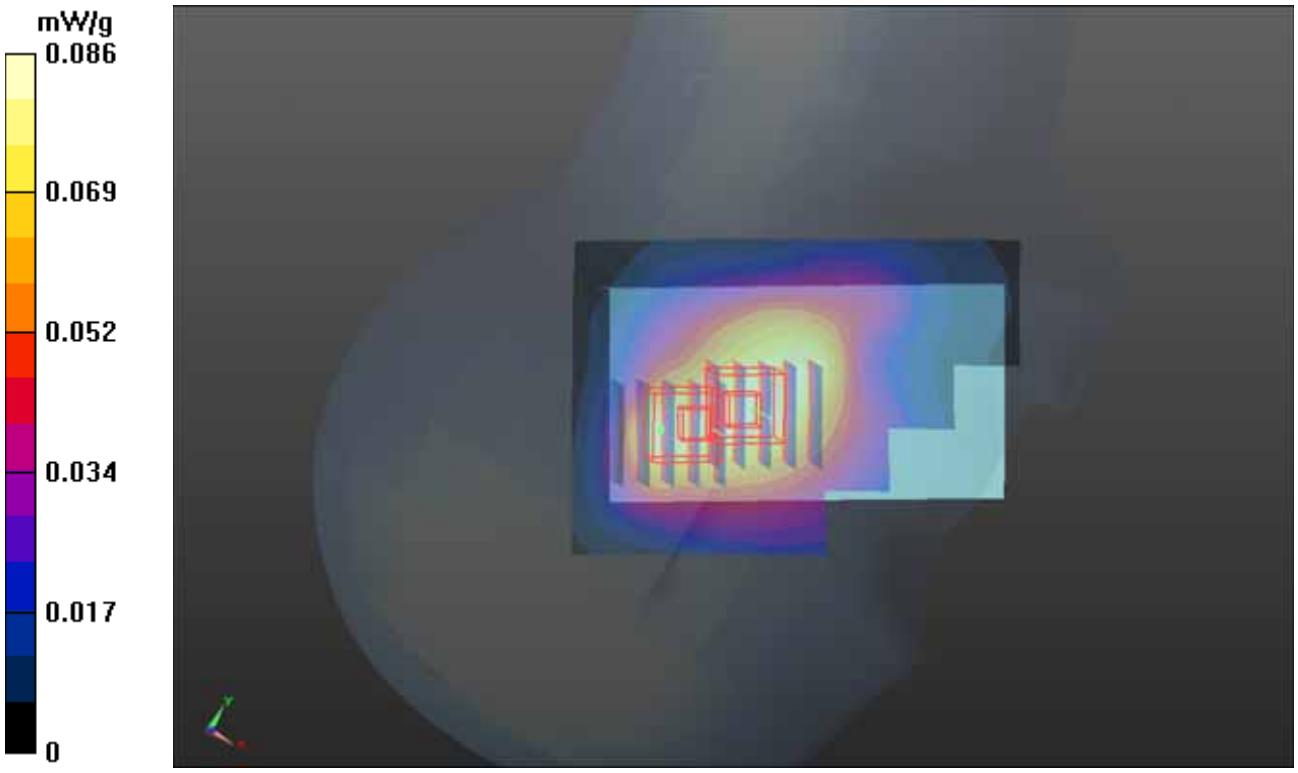
Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.919 mho/m; $\varepsilon_r$ = 42.859; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.05, 9.05, 9.05); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch4182/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0860 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.898 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.098 mW/g
**SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.058 mW/g**
Maximum value of SAR (measured) = 0.0884 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.898 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.090 mW/g
**SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.045 mW/g**
Maximum value of SAR (measured) = 0.0817 mW/g



# P11 WCDMA V_RMC12.2K_Left Cheek_Ch4182

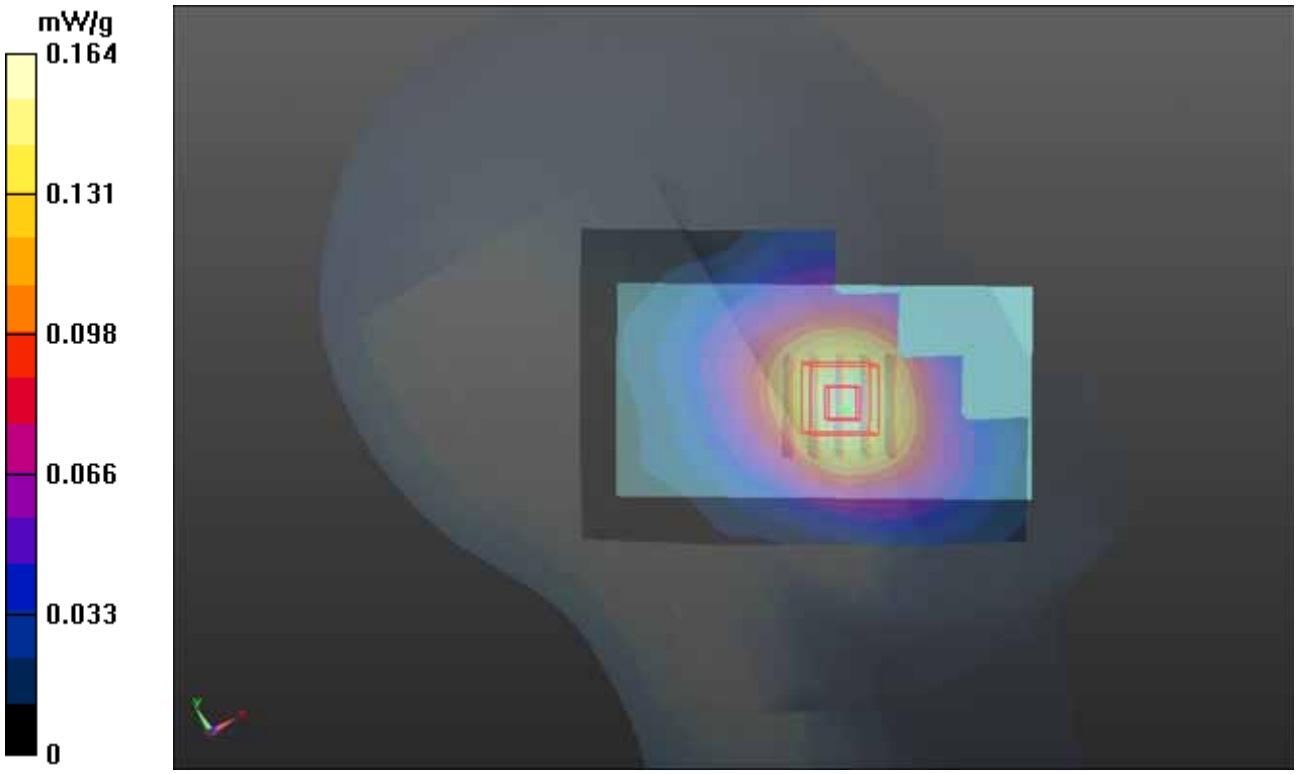
## DUT: 120710C03

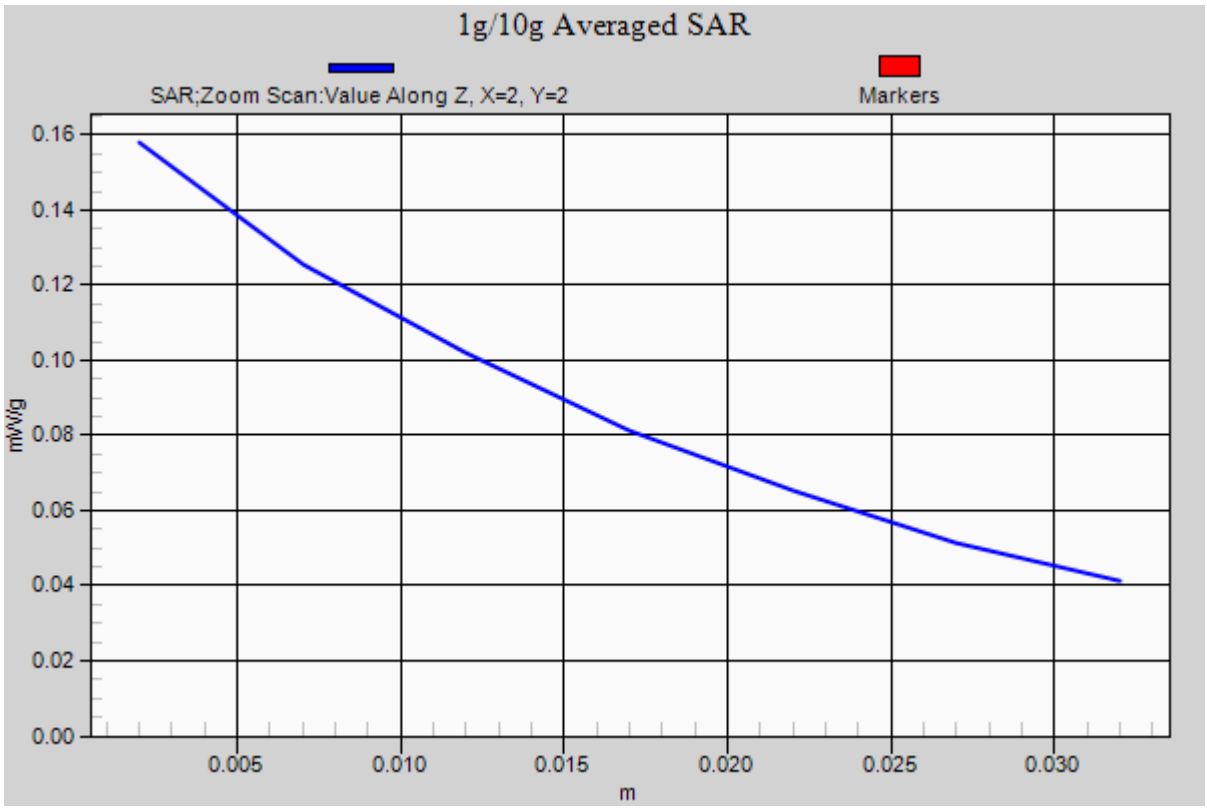
Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.919 mho/m; $\varepsilon_r$ = 42.859; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.05, 9.05, 9.05); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch4182/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.164 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.283 V/m; Power Drift = 0.45 dB
Peak SAR (extrapolated) = 0.177 mW/g
**SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.106 mW/g**
Maximum value of SAR (measured) = 0.158 mW/g




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

## P12 WCDMA V_RMC12.2K_Left Tilted_Ch4182

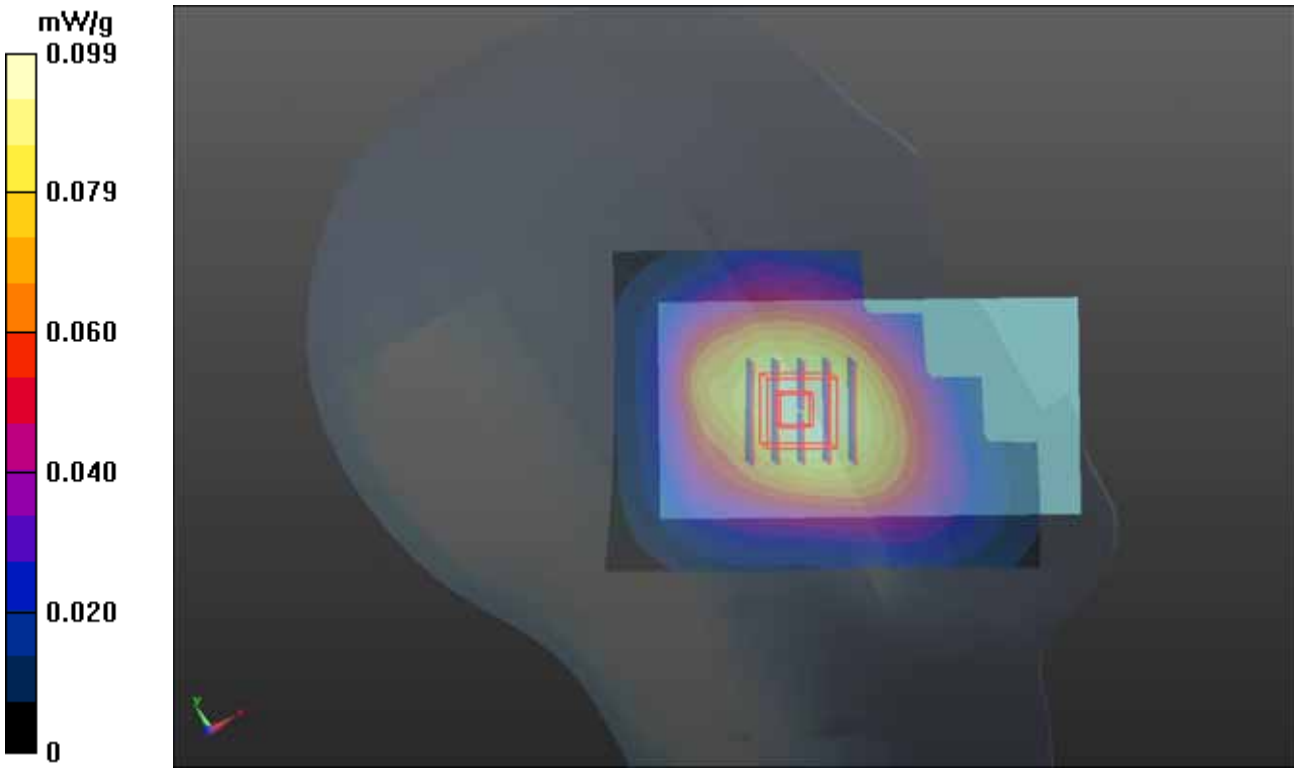
**DUT: 120710C03**

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.919 mho/m; $\varepsilon_r$ = 42.859; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.05, 9.05, 9.05); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**CH4182/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0994 mW/g

**CH4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.958 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.112 mW/g
**SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.070 mW/g**
Maximum value of SAR (measured) = 0.101 mW/g



## P13 WCDMA II_RAC12.2K_Right Cheek_Ch9262

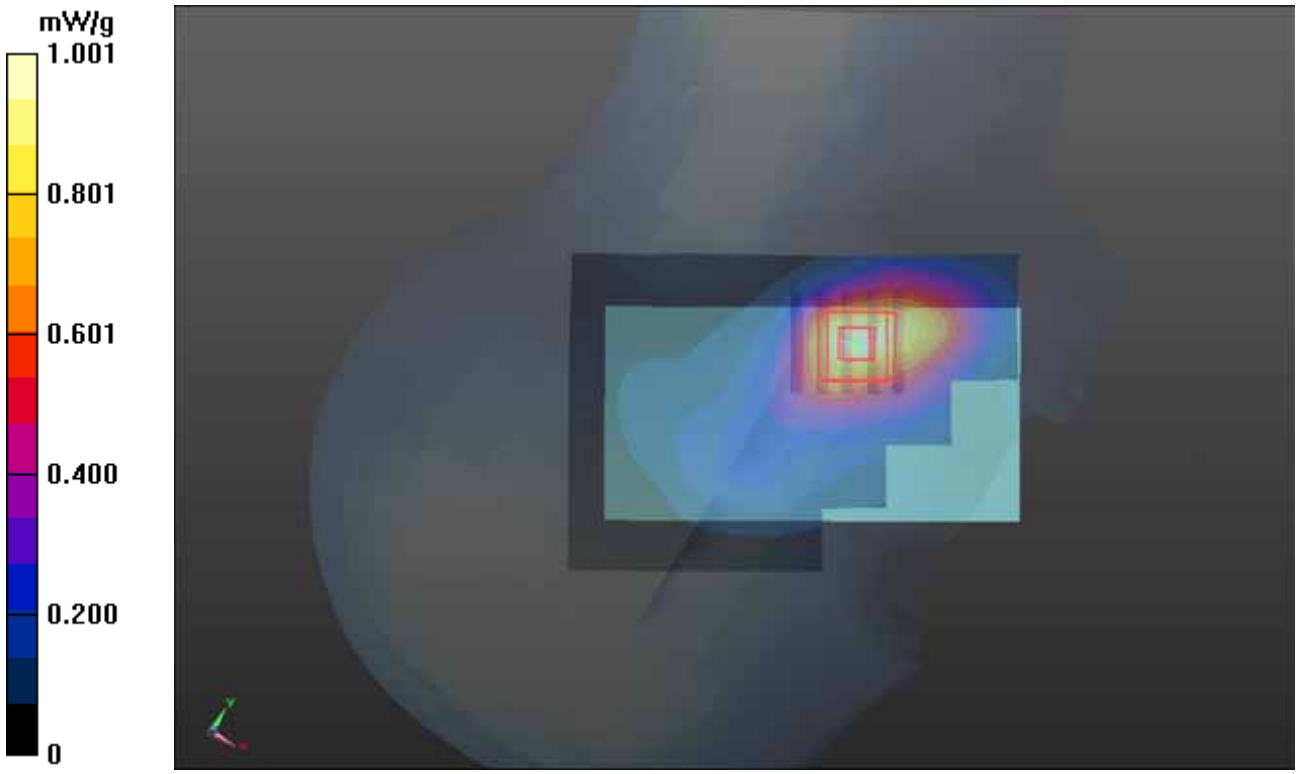
**DUT: 120710C03**

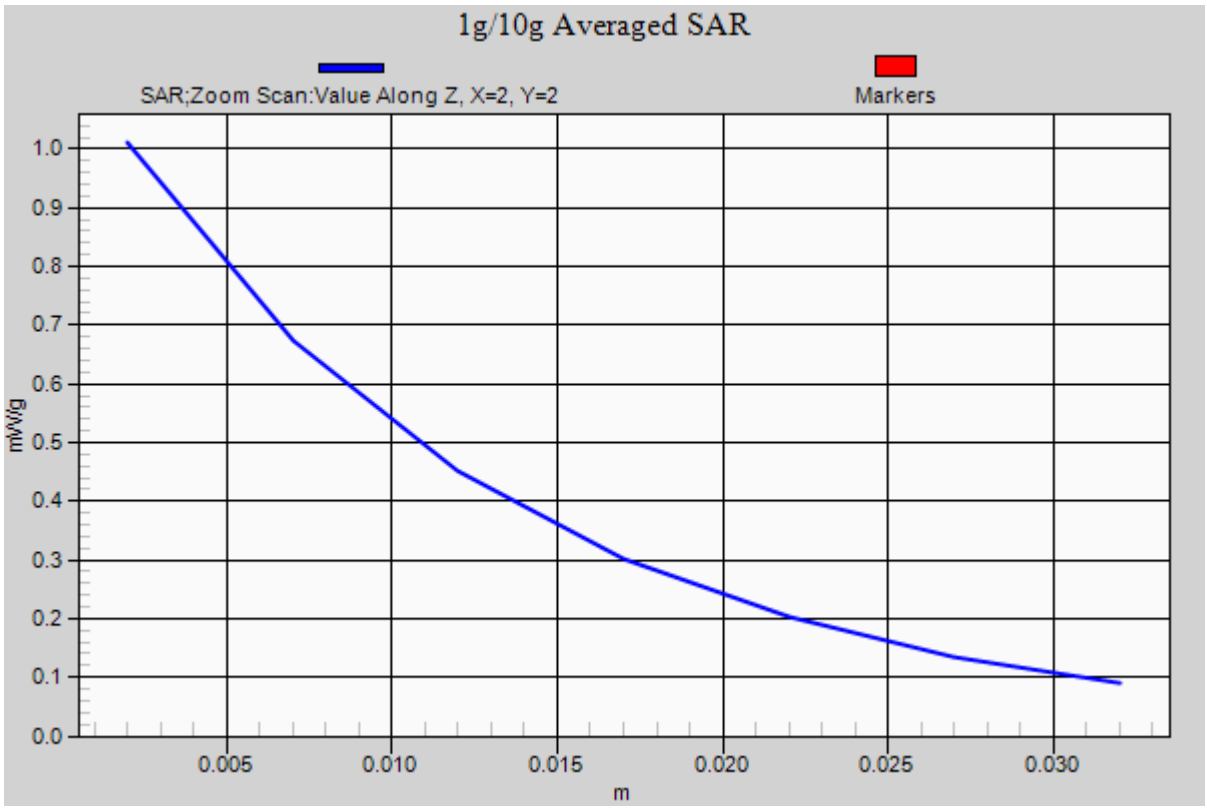
Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0724 Medium parameters used: f = 1852.4 MHz; $\sigma$ = 1.393 mho/m; $\varepsilon_r$ = 39.95; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch9262/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.00 mW/g

**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.434 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.203 mW/g
**SAR(1 g) = 0.781 mW/g; SAR(10 g) = 0.478 mW/g**
Maximum value of SAR (measured) = 1.01 mW/g




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

## P14 WCDMA II_RAC12.2K_Right Tilted_Ch9262

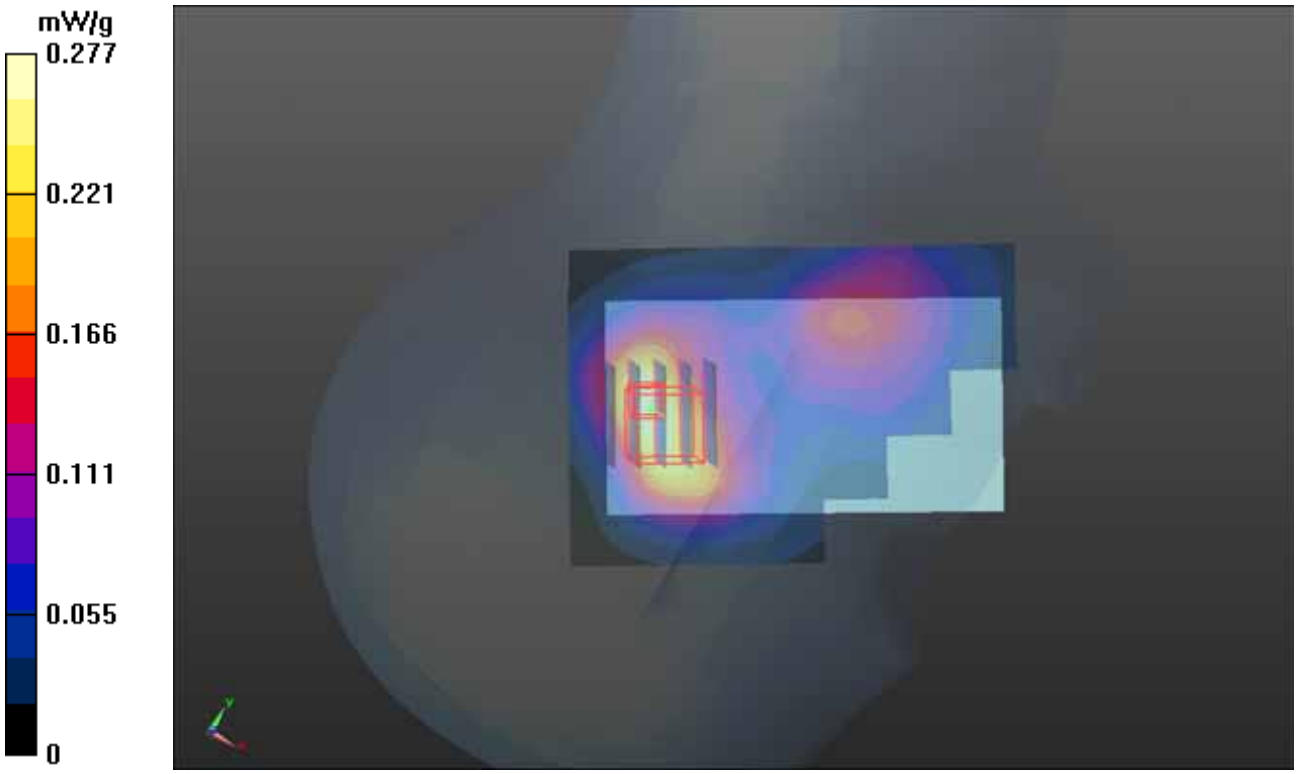
**DUT: 120710C03**

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0724 Medium parameters used: f = 1852.4 MHz; $\sigma$ = 1.393 mho/m; $\varepsilon_r$ = 39.95; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch9262/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.277 mW/g

**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.399 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.301 mW/g
**SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.127 mW/g**
Maximum value of SAR (measured) = 0.247 mW/g



## P15 WCDMA II_RAC12.2K_Left Cheek_Ch9262

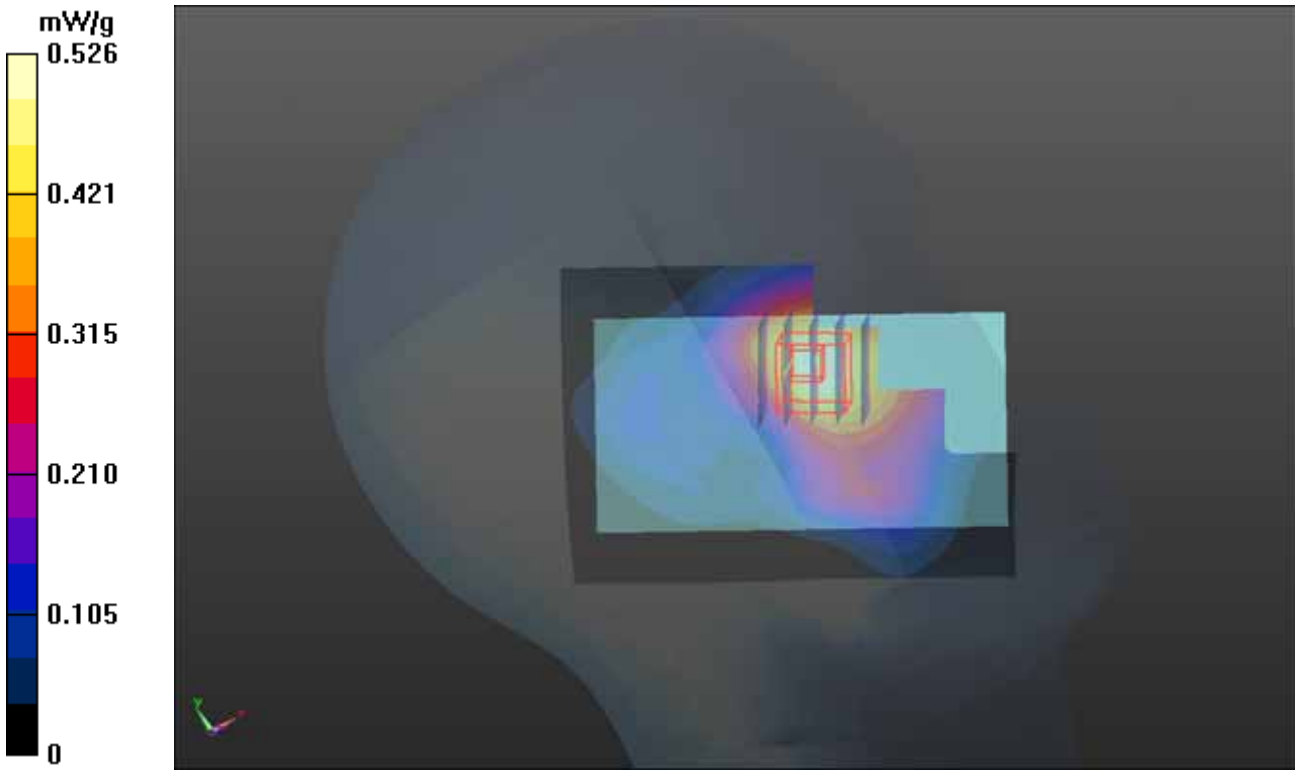
**DUT: 120710C03**

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0724 Medium parameters used: f = 1852.4 MHz; $\sigma$ = 1.393 mho/m; $\varepsilon_r$ = 39.95; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch9262/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.526 mW/g

**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.977 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.696 mW/g
**SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.296 mW/g**
Maximum value of SAR (measured) = 0.580 mW/g



## P16 WCDMA II_RAC12.2K_Left Tilted_Ch9262

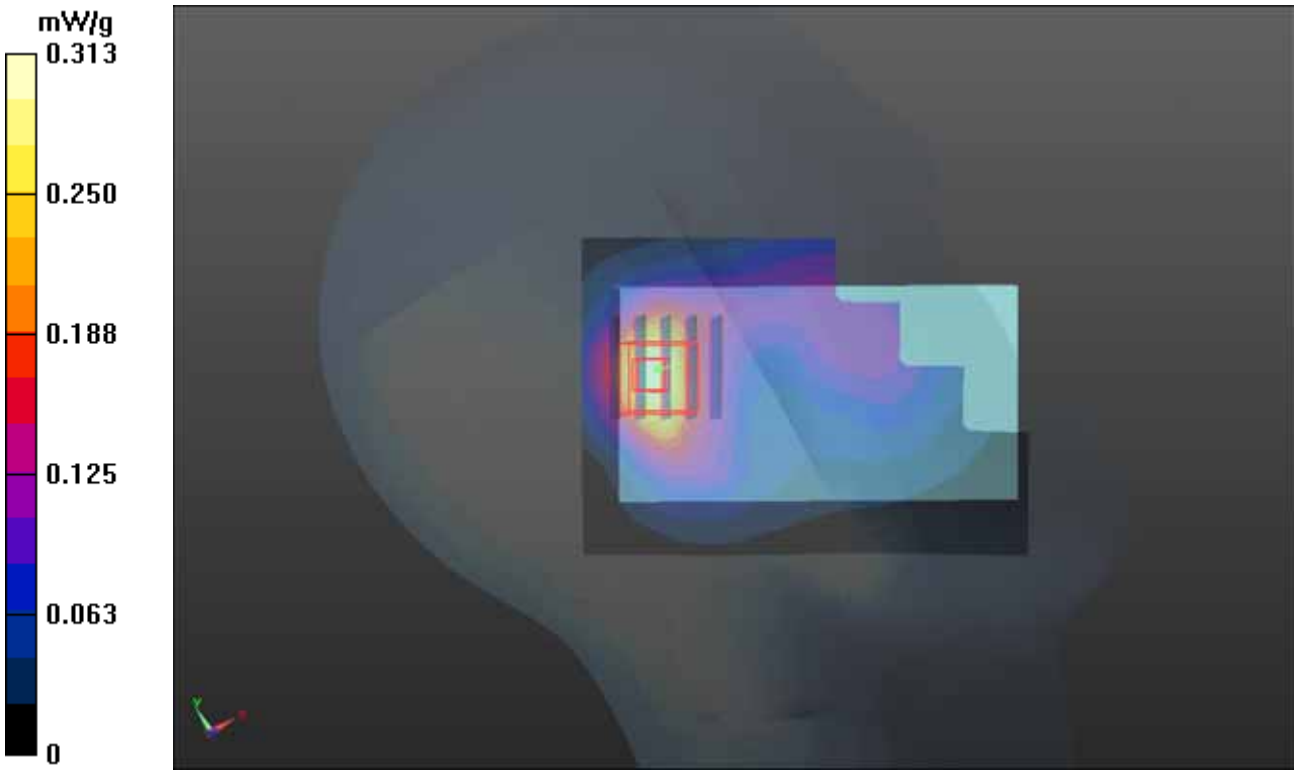
**DUT: 120710C03**

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0724 Medium parameters used: f = 1852.4 MHz; $\sigma$ = 1.393 mho/m; $\varepsilon_r$ = 39.95; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.02, 8.02, 8.02); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch9262/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.313 mW/g

**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.111 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.342 mW/g
**SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.136 mW/g**
Maximum value of SAR (measured) = 0.281 mW/g



## P246 LTE 17_QPSK_10M_Right Cheek_Ch23780_25RB_Offset 12

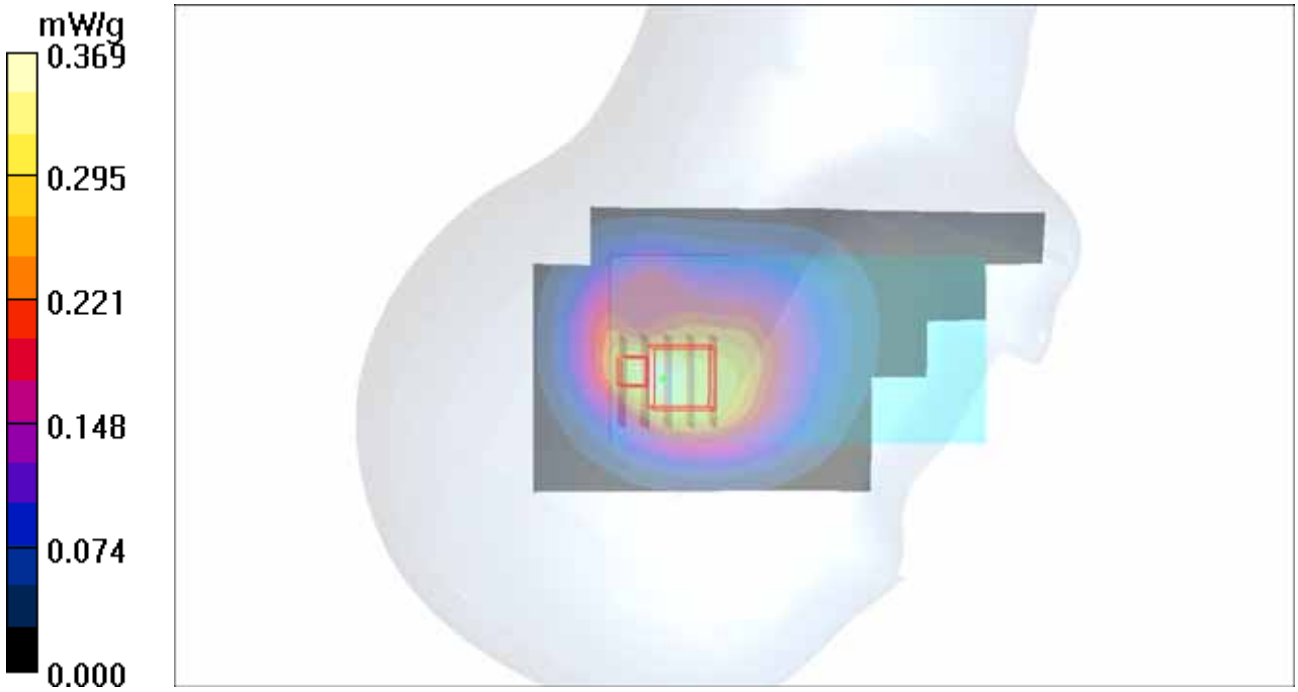
**DUT: 120710C03**

Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.369 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.1 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.558 W/kg
**SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.185 mW/g**
Maximum value of SAR (measured) = 0.412 mW/g



## P247 LTE 17_QPSK_10M_Right Tilted_Ch23780_25RB_Offset 12

**DUT: 120710C03**

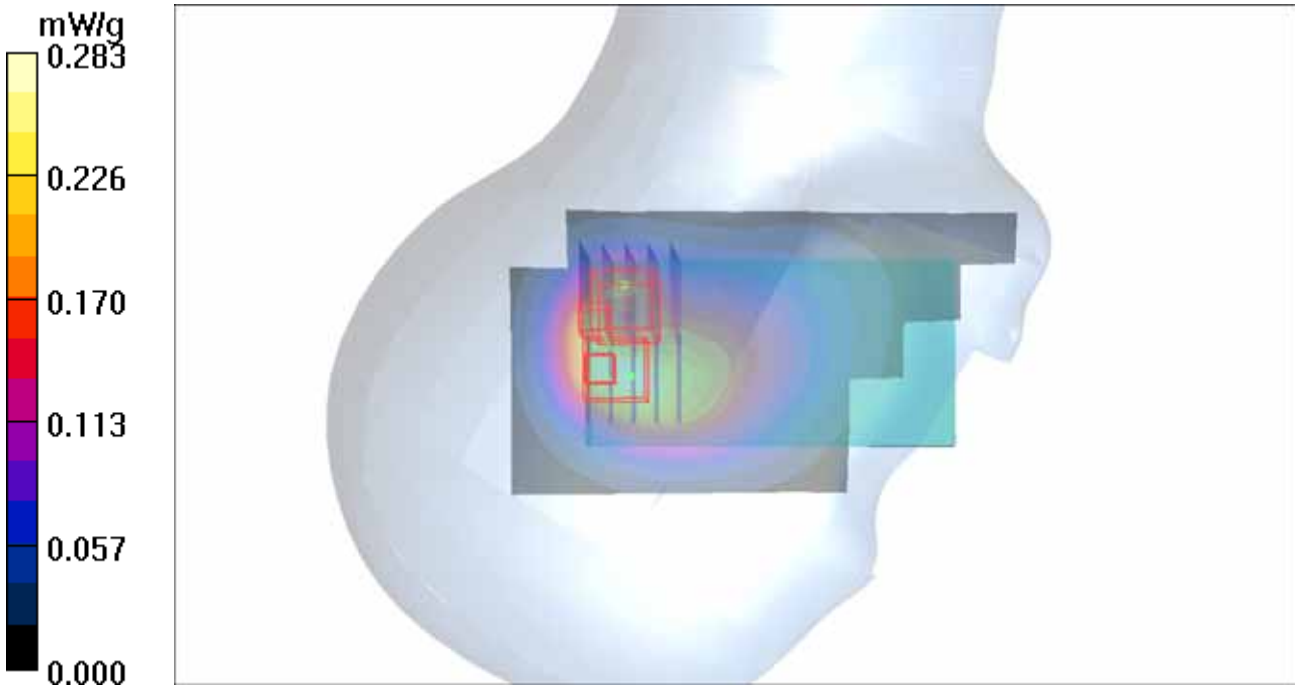
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.283 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 0.549 W/kg
**SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.150 mW/g**
Maximum value of SAR (measured) = 0.380 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 0.350 W/kg
**SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.106 mW/g**
Maximum value of SAR (measured) = 0.271 mW/g



## P248 LTE 17_QPSK_10M_Left Cheek_Ch23780_25RB_Offset 12

**DUT: 120710C03**

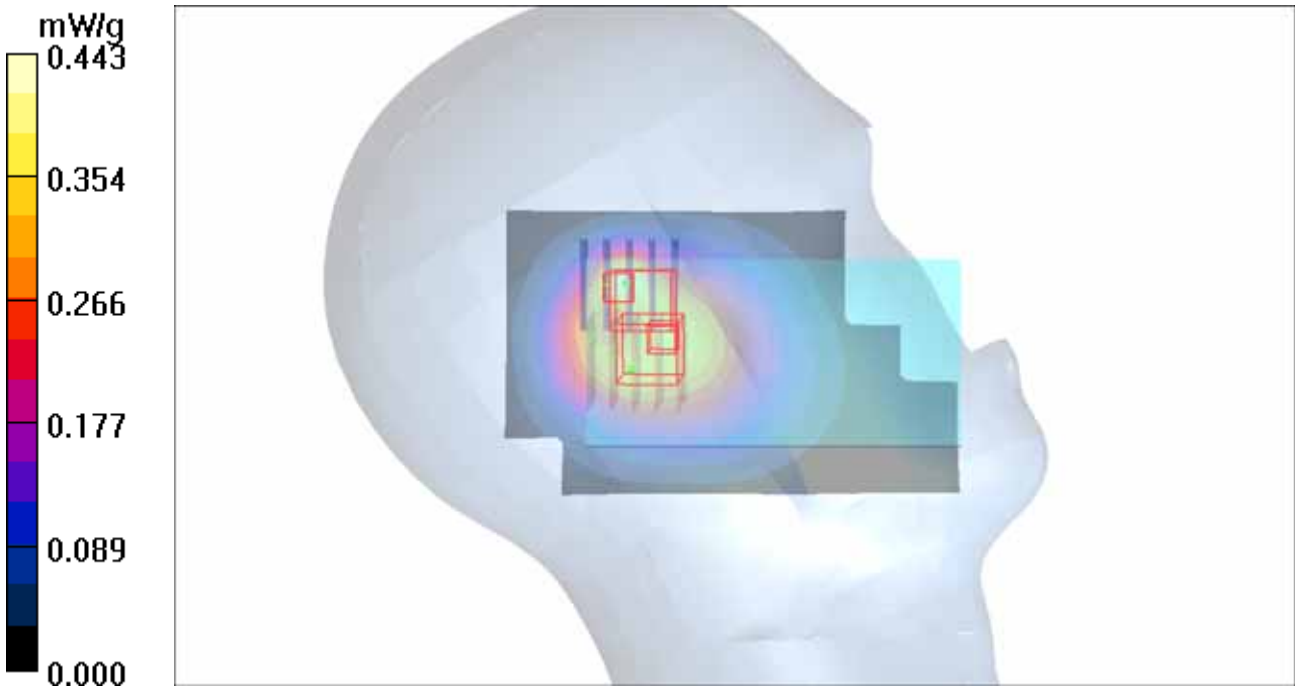
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.443 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 0.714 W/kg
**SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.215 mW/g**
Maximum value of SAR (measured) = 0.505 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 0.498 W/kg
**SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.207 mW/g**
Maximum value of SAR (measured) = 0.361 mW/g



## P249 LTE 17_QPSK_10M_Left Tilted_Ch23780_25RB_Offset 12

**DUT: 120710C03**

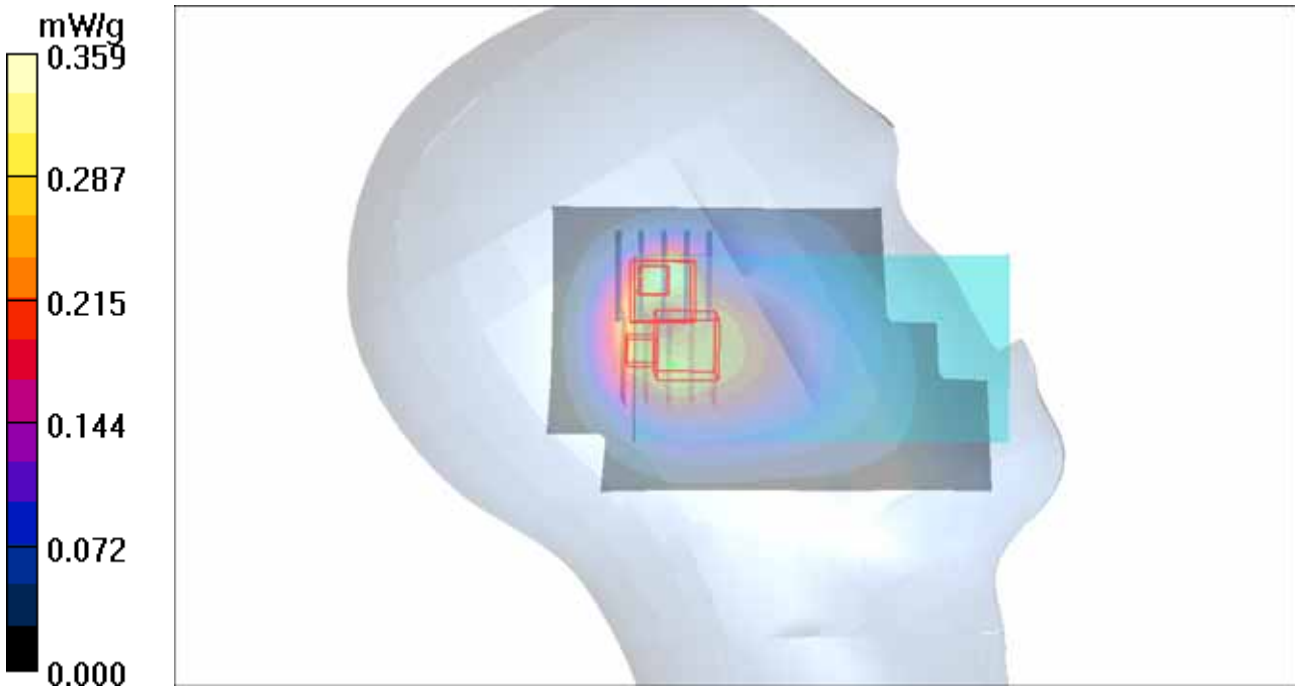
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.359 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.3 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 0.716 W/kg
**SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.164 mW/g**
Maximum value of SAR (measured) = 0.476 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.3 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 0.475 W/kg
**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.152 mW/g**
Maximum value of SAR (measured) = 0.345 mW/g



## P250 LTE 17_QPSK_10M_Right Cheek_Ch23780_1RB_Offset 0

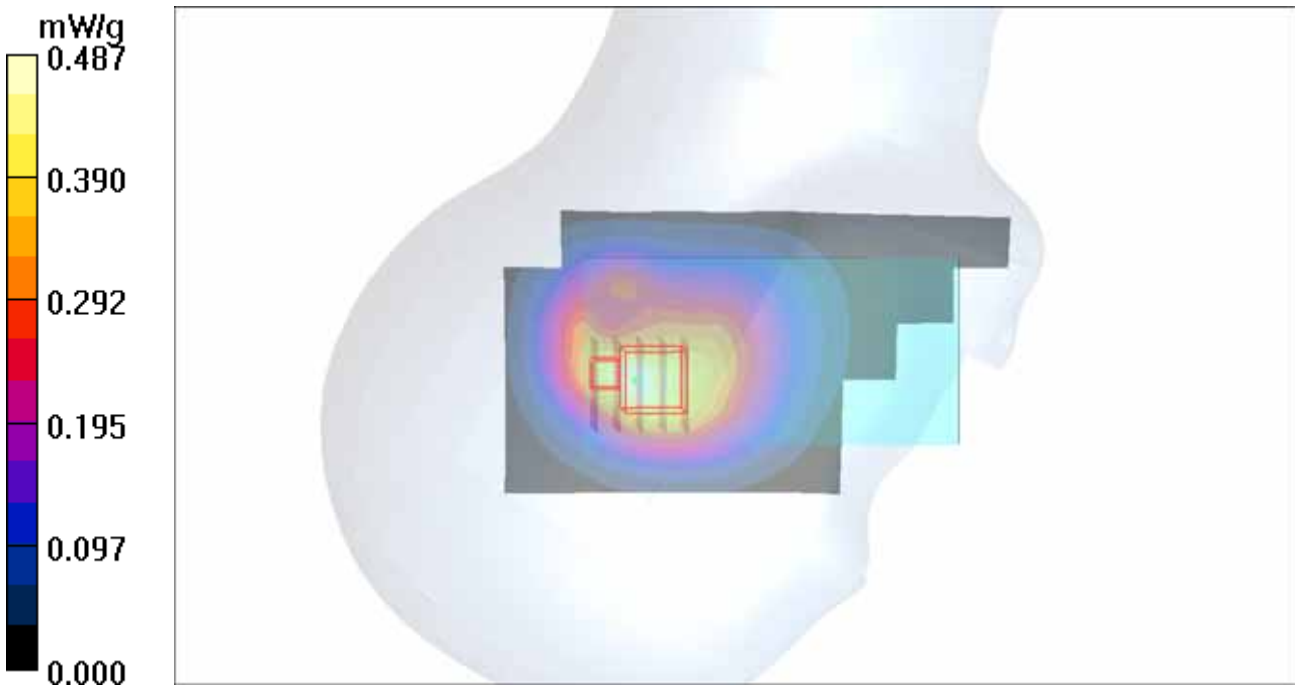
**DUT: 120710C03**

Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.487 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.2 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.735 W/kg
**SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.255 mW/g**
Maximum value of SAR (measured) = 0.540 mW/g



## P251 LTE 17_QPSK_10M_Right Tilted_Ch23780_1RB_Offset 0

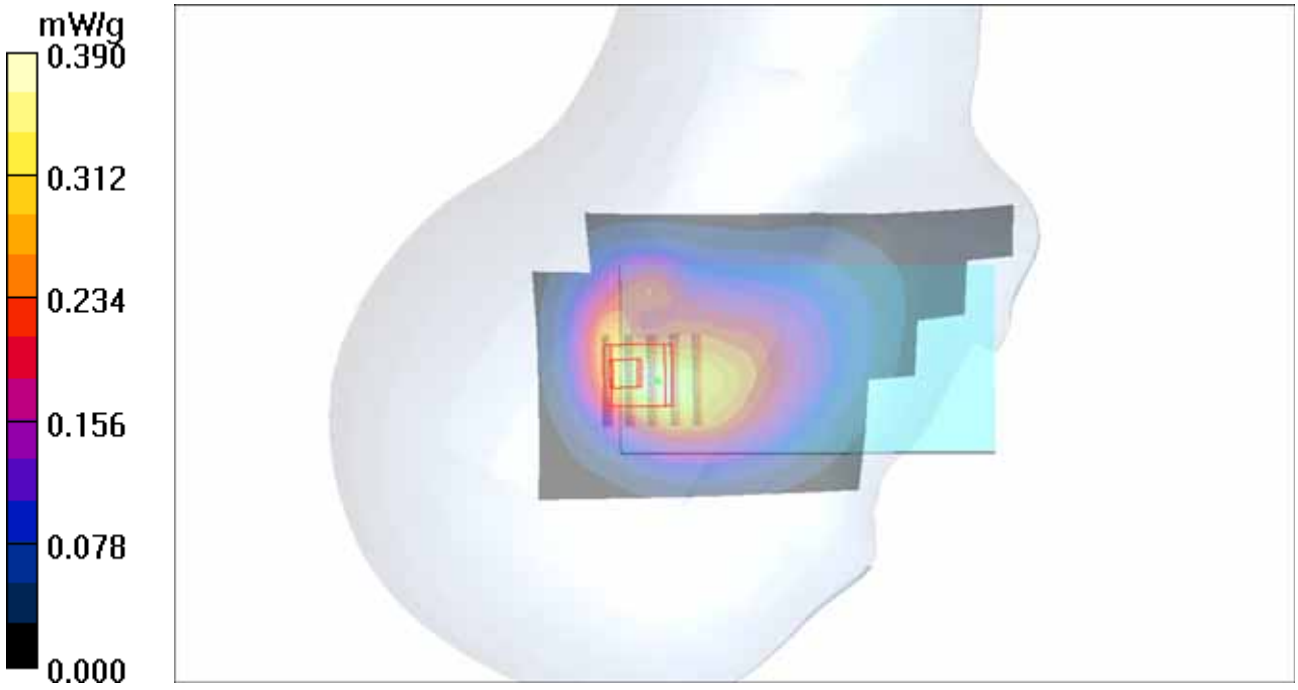
**DUT: 120710C03**

Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.390 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.6 V/m; Power Drift = 0.136 dB
Peak SAR (extrapolated) = 0.758 W/kg
**SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.210 mW/g**
Maximum value of SAR (measured) = 0.527 mW/g



## P252 LTE 17_QPSK_10M_Left Cheek_Ch23780_1RB_Offset 0

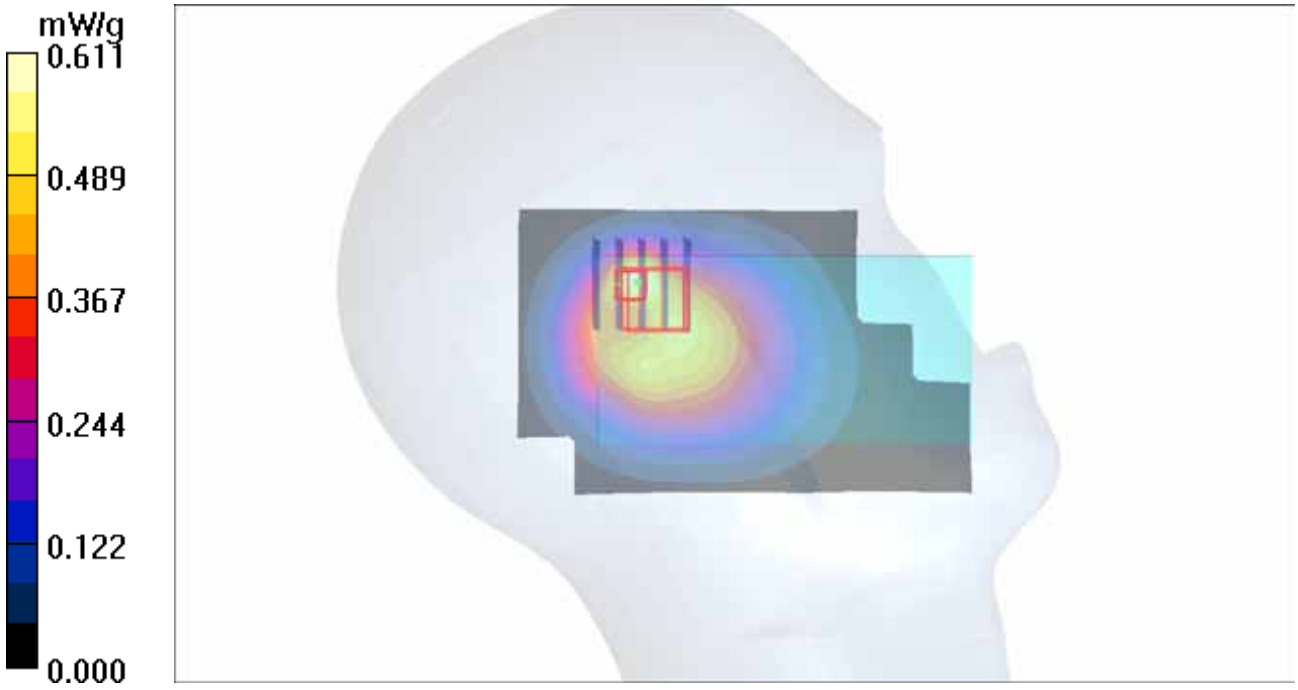
**DUT: 120710C03**

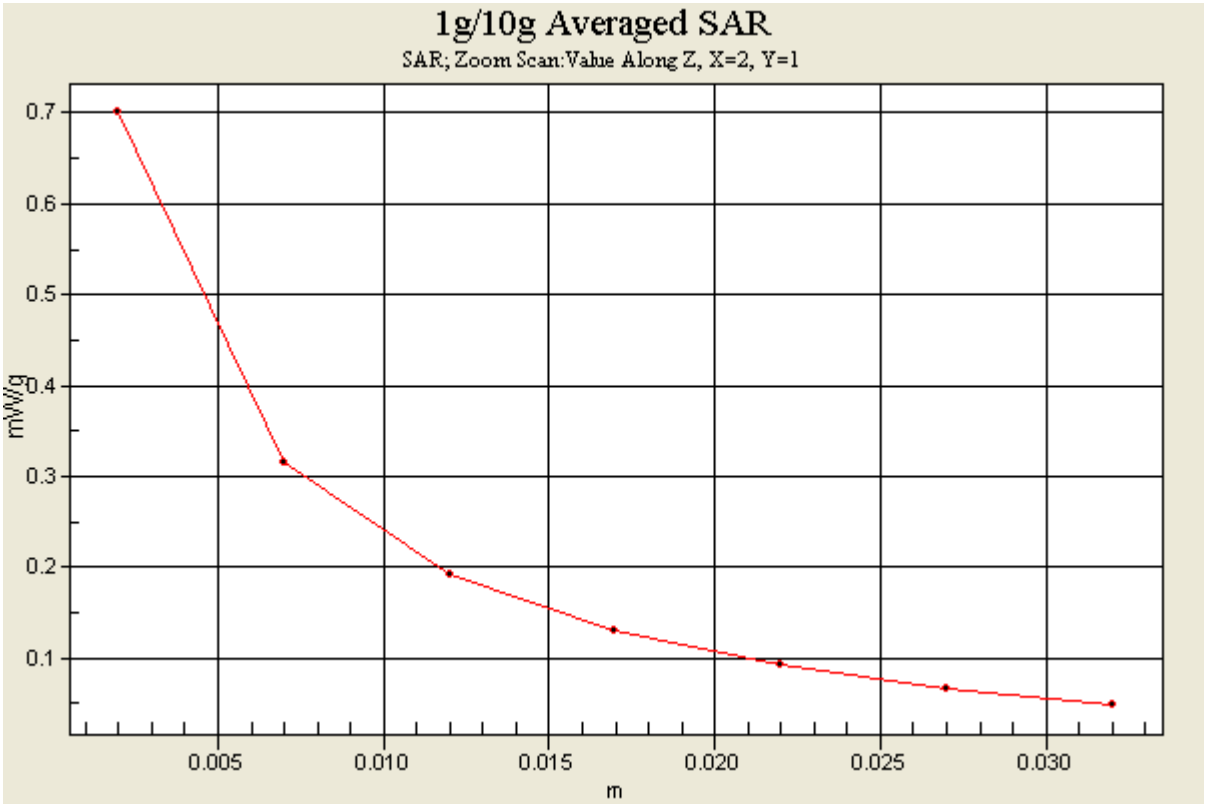
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.611 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.7 V/m; Power Drift = 0.057 dB
Peak SAR (extrapolated) = 0.996 W/kg
**SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.298 mW/g**
Maximum value of SAR (measured) = 0.700 mW/g




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

## P253 LTE 17_QPSK_10M_Left Tilted_Ch23780_1RB_Offset 0

**DUT: 120710C03**

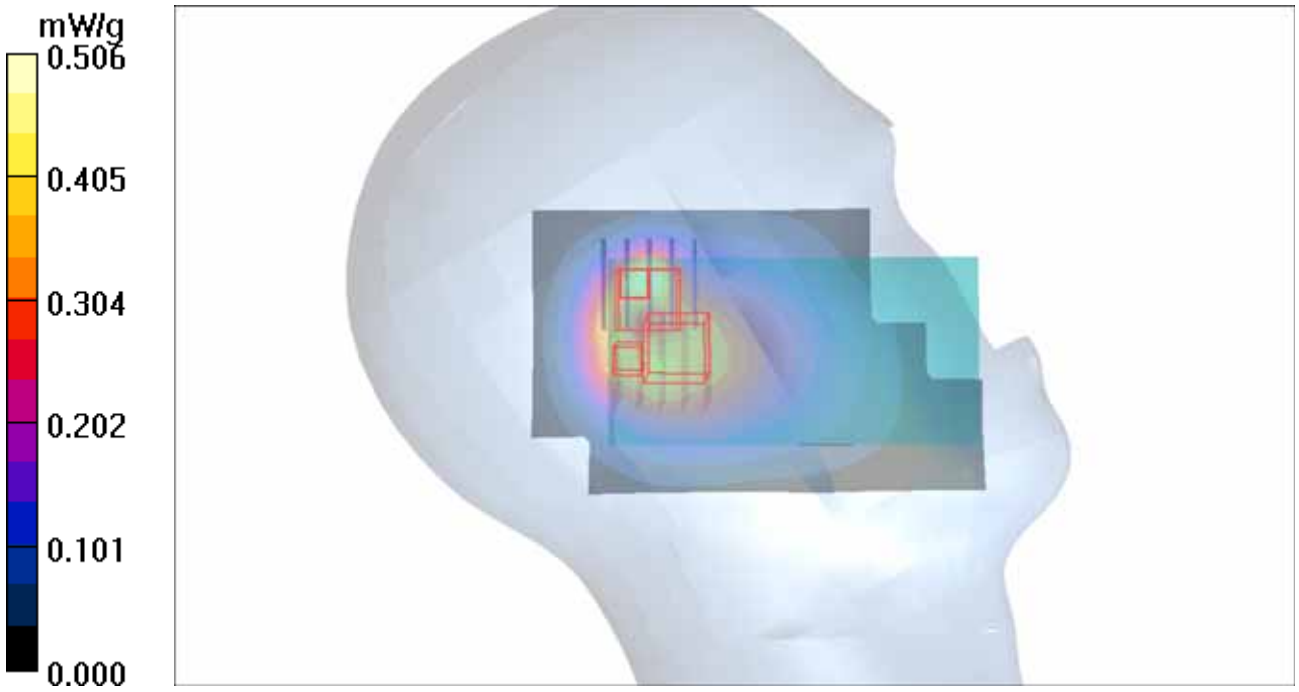
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.506 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.4 V/m; Power Drift = 0.107 dB
Peak SAR (extrapolated) = 1.01 W/kg
**SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.230 mW/g**
Maximum value of SAR (measured) = 0.671 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.4 V/m; Power Drift = 0.107 dB
Peak SAR (extrapolated) = 0.734 W/kg
**SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.219 mW/g**
Maximum value of SAR (measured) = 0.516 mW/g



## P254 LTE 17_QPSK_10M_Right Cheek_Ch23780_1RB_Offset 49

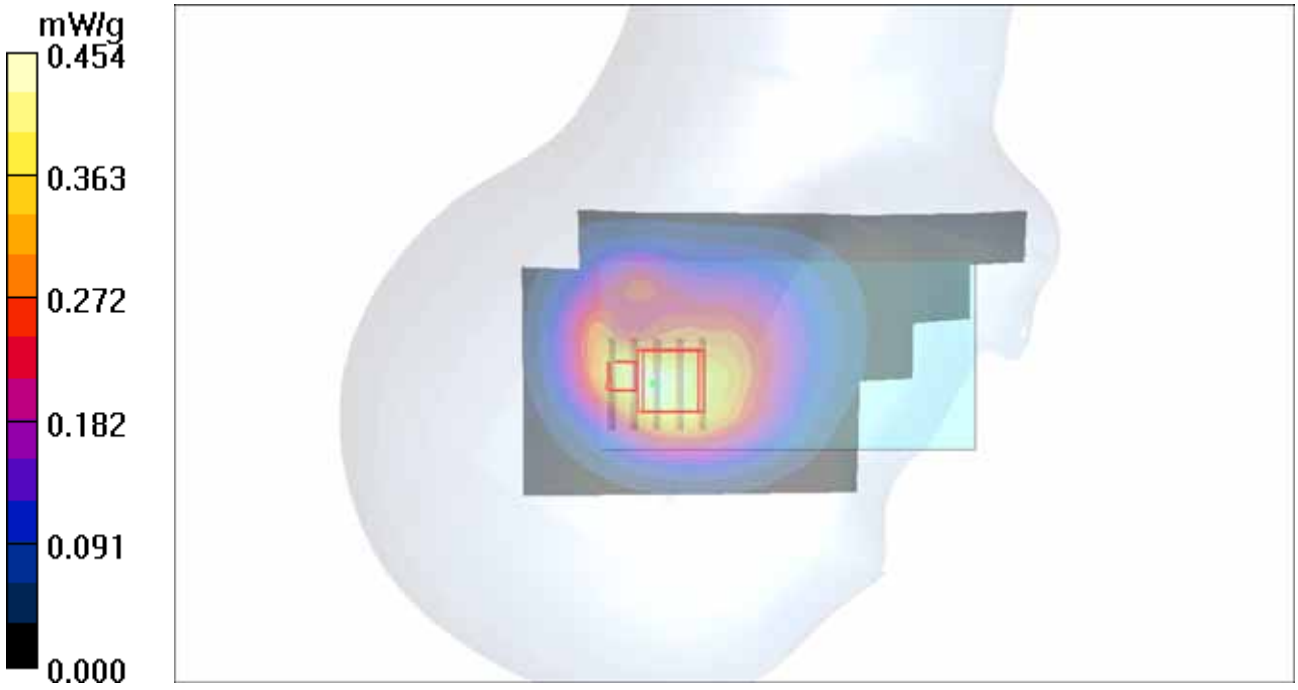
**DUT: 120710C03**

Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.454 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.1 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 0.701 W/kg
**SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.233 mW/g**
Maximum value of SAR (measured) = 0.509 mW/g



## P255 LTE 17_QPSK_10M_Right Tilted_Ch23780_1RB_Offset 49

**DUT: 120710C03**

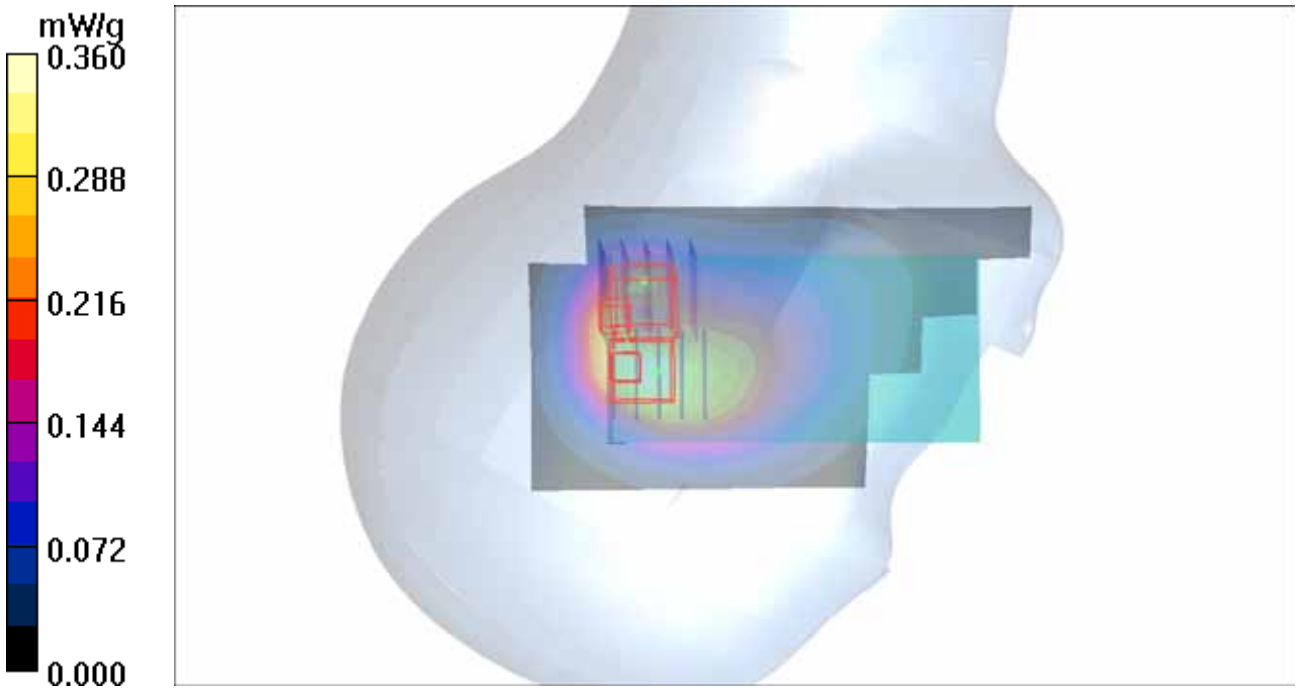
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.360 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.169 dB
Peak SAR (extrapolated) = 0.747 W/kg
**SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.185 mW/g**
Maximum value of SAR (measured) = 0.502 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.169 dB
Peak SAR (extrapolated) = 0.448 W/kg
**SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.133 mW/g**
Maximum value of SAR (measured) = 0.347 mW/g



## P256 LTE 17_QPSK_10M_Left Cheek_Ch23780_1RB_Offset 49

**DUT: 120710C03**

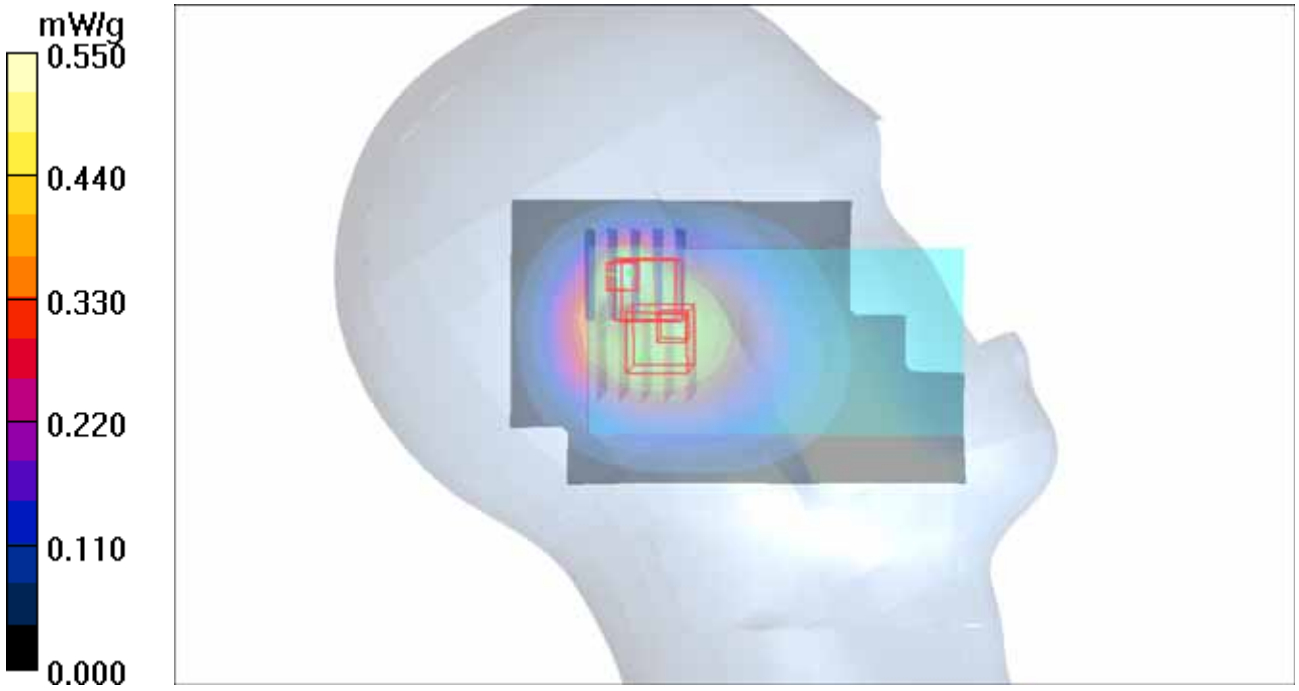
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.550 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.6 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 0.894 W/kg
**SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.271 mW/g**
Maximum value of SAR (measured) = 0.635 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.6 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 0.657 W/kg
**SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.265 mW/g**
Maximum value of SAR (measured) = 0.470 mW/g



## P257 LTE 17_QPSK_10M_Left Tilted_Ch23780_1RB_Offset 49

**DUT: 120710C03**

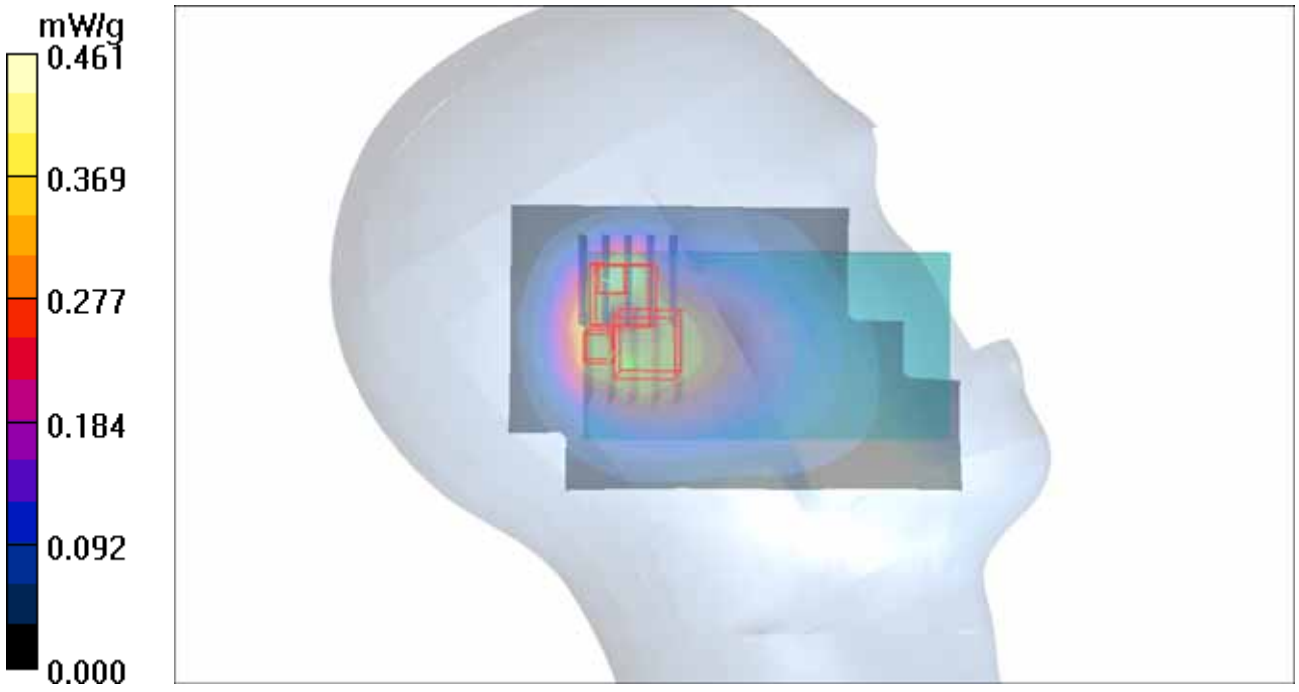
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.461 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.2 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 0.908 W/kg
**SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.211 mW/g**
Maximum value of SAR (measured) = 0.605 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.2 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 0.603 W/kg
**SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.190 mW/g**
Maximum value of SAR (measured) = 0.431 mW/g



## P258 LTE 17_16QAM_10M_Left Cheek_Ch23780_25RB_Offset 12

**DUT: 120710C03**

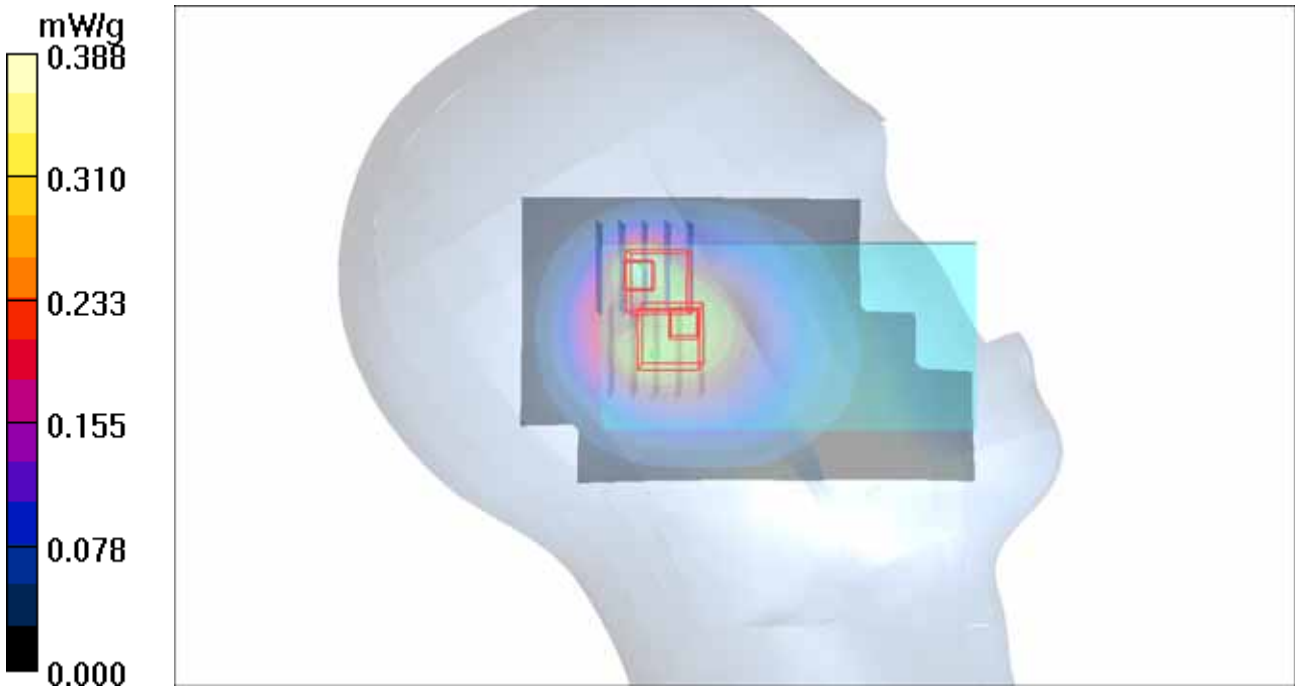
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.388 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 0.585 W/kg
**SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.175 mW/g**
Maximum value of SAR (measured) = 0.392 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 0.402 W/kg
**SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.174 mW/g**
Maximum value of SAR (measured) = 0.298 mW/g



## P259 LTE 17_16QAM_10M_Left Cheek_Ch23780_1RB_Offset 0

**DUT: 120710C03**

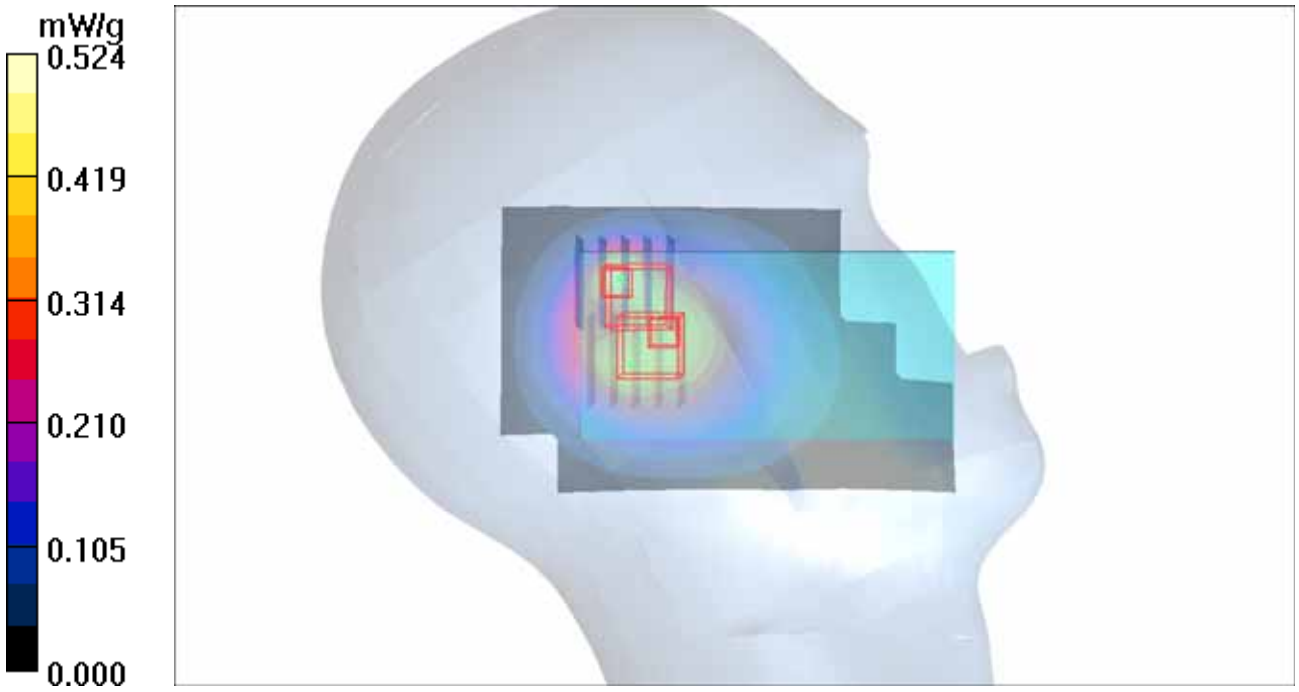
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.524 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.7 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 0.851 W/kg
**SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.244 mW/g**
Maximum value of SAR (measured) = 0.571 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.7 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 0.558 W/kg
**SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.237 mW/g**
Maximum value of SAR (measured) = 0.403 mW/g



## P260 LTE 17_16QAM_10M_Left Cheek_Ch23780_1RB_Offset 49

**DUT: 120710C03**

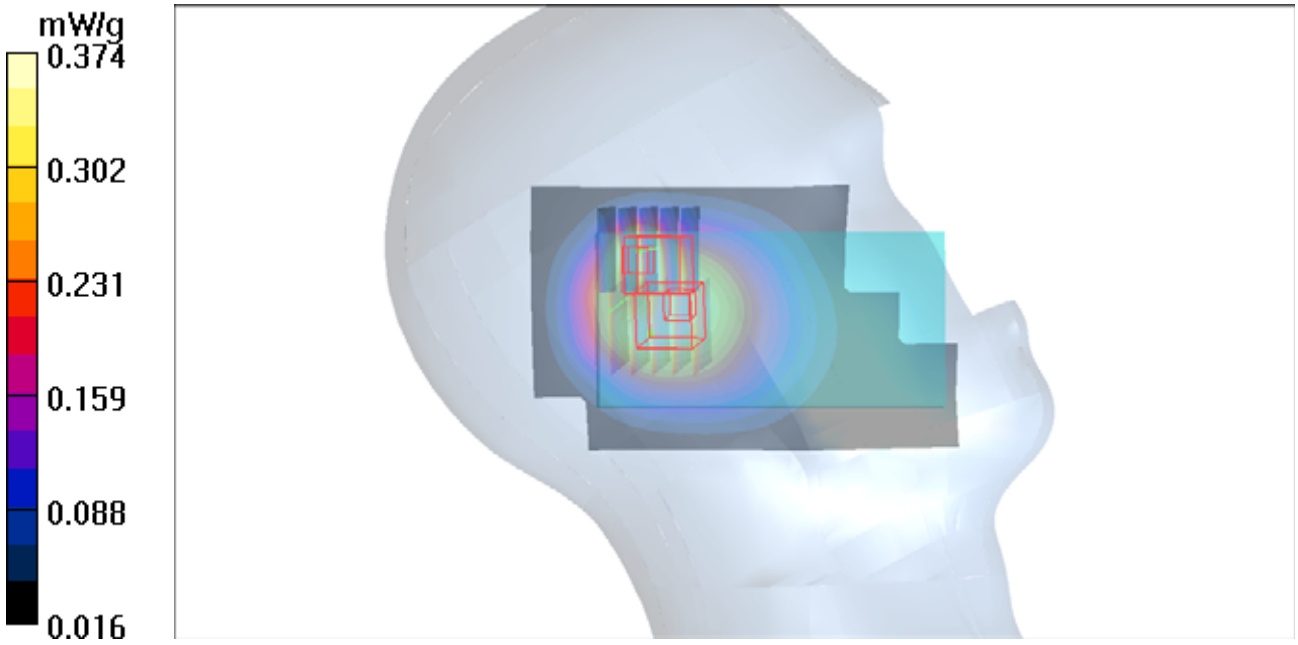
Communication System: LTE band 17; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: H750_0724 Medium parameters used: f = 709 MHz; $\sigma$ = 0.862 mho/m; $\varepsilon_r$ = 40.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch23780/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.473 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = 0.029 dB
Peak SAR (extrapolated) = 0.737 W/kg
**SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.218 mW/g**
Maximum value of SAR (measured) = 0.485 mW/g

**Ch23780/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = 0.029 dB
Peak SAR (extrapolated) = 0.517 W/kg
**SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.214 mW/g**
Maximum value of SAR (measured) = 0.374 mW/g



## P231 LTE 5_QPSK_10M_Right Cheek_Ch20600_25RB_Offset 12

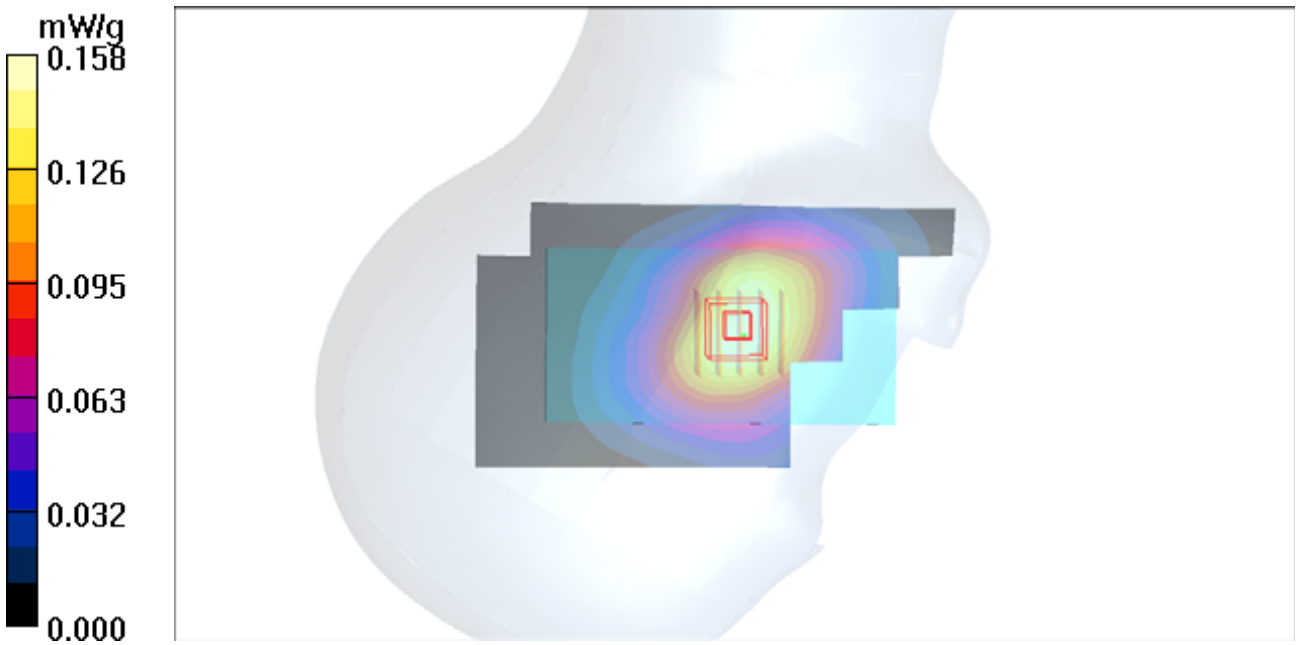
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.158 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.81 V/m; Power Drift = 0.051 dB
Peak SAR (extrapolated) = 0.168 W/kg
**SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.104 mW/g**
Maximum value of SAR (measured) = 0.154 mW/g



## P232 LTE 5_QPSK_10M_Right Tilted_Ch20600_25RB_Offset 12

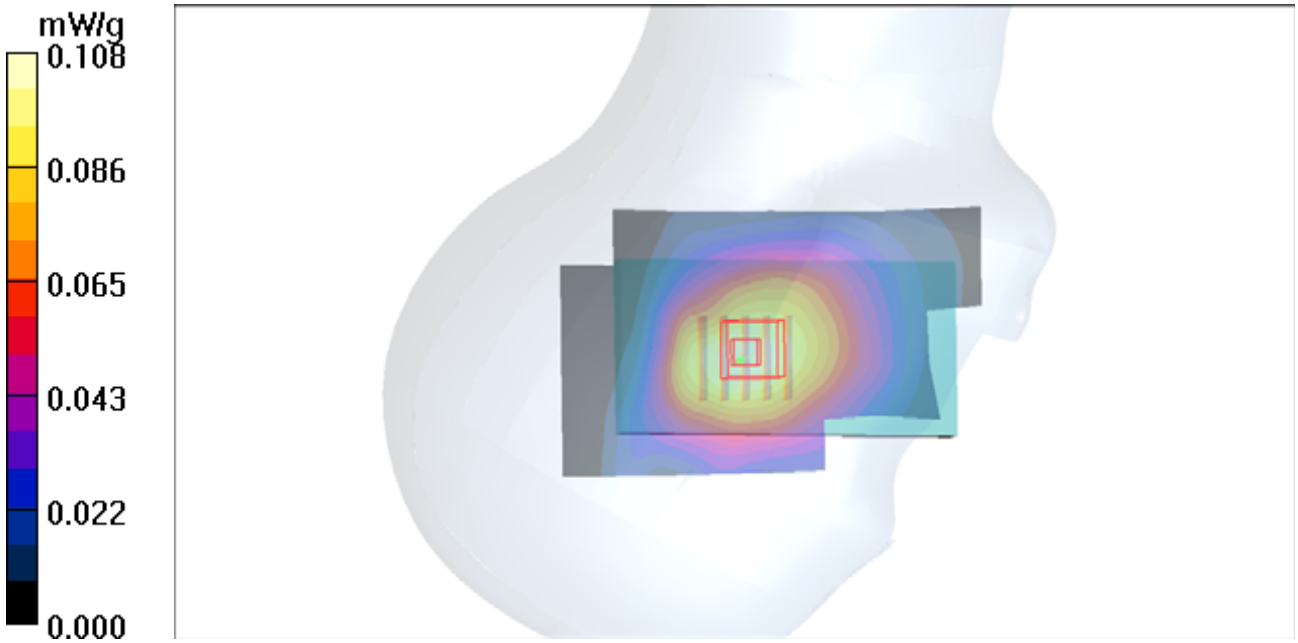
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.108 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.19 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.117 W/kg
**SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.072 mW/g**
Maximum value of SAR (measured) = 0.107 mW/g



## P233 LTE 5_QPSK_10M_Left Cheek_Ch20600_25RB_Offset 12

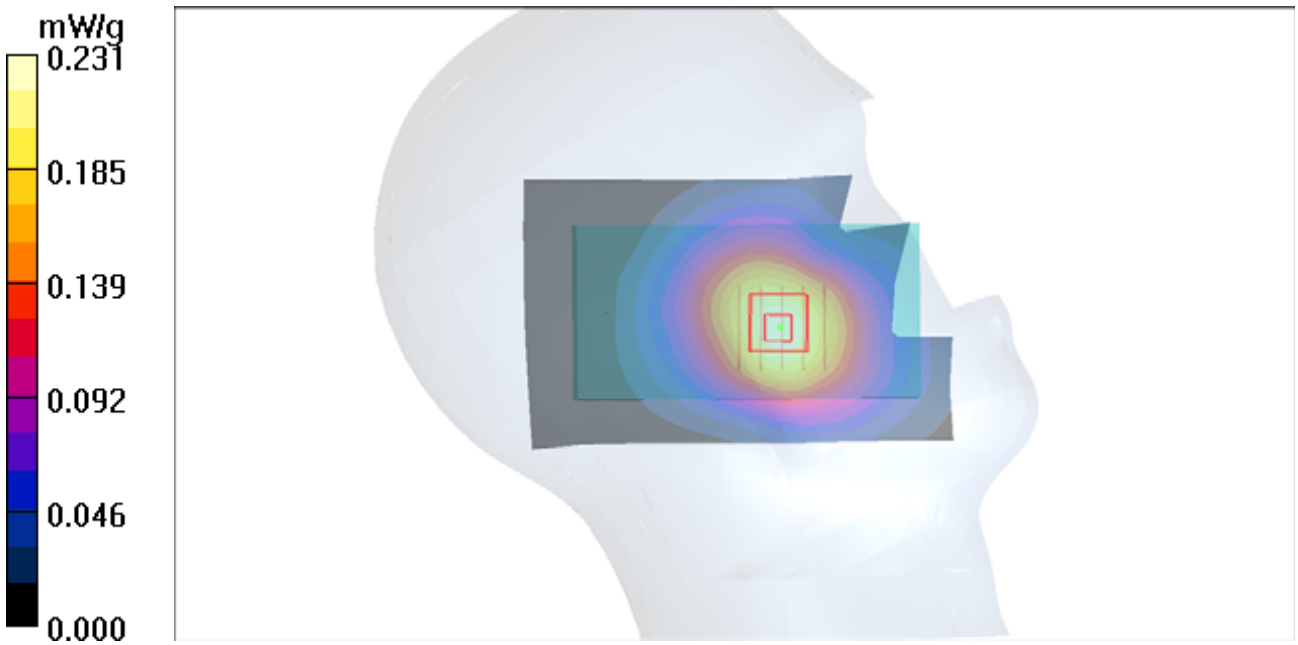
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.231 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.23 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 0.253 W/kg
**SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.153 mW/g**
Maximum value of SAR (measured) = 0.233 mW/g



## P234 LTE 5_QPSK_10M_Left Tilted_Ch20600_25RB_Offset 12

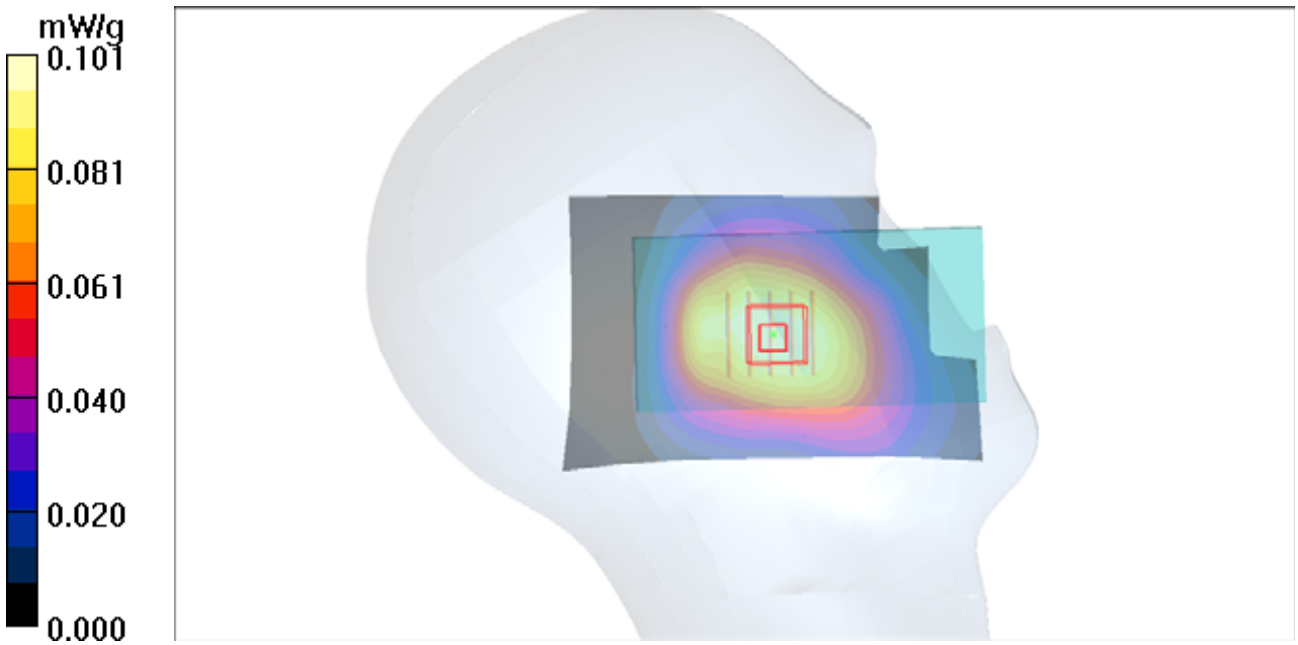
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.101 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.99 V/m; Power Drift = -0.130 dB
Peak SAR (extrapolated) = 0.114 W/kg
**SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.070 mW/g**
Maximum value of SAR (measured) = 0.103 mW/g



## P235 LTE 5_QPSK_10M_Right Cheek_Ch20600_1RB_Offset 0

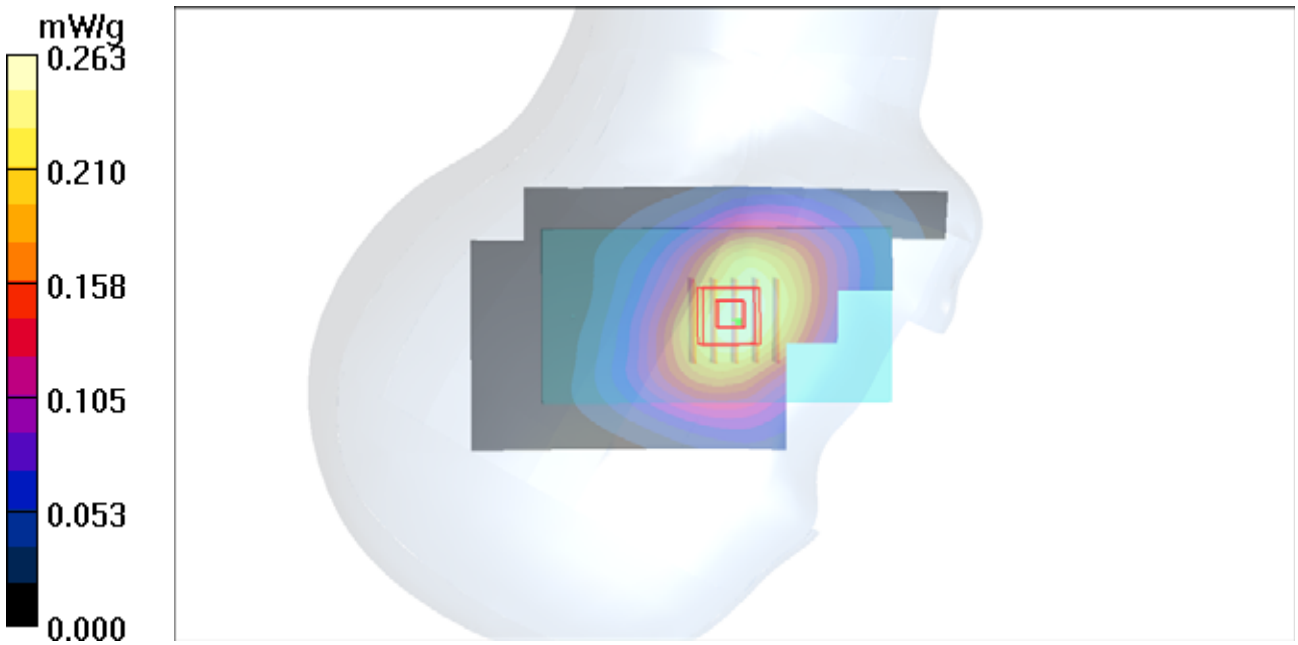
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.263 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.92 V/m; Power Drift = 0.169 dB
Peak SAR (extrapolated) = 0.282 W/kg
**SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.175 mW/g**
Maximum value of SAR (measured) = 0.259 mW/g



## P236 LTE 5_QPSK_10M_Right Tilted_Ch20600_1RB_Offset 0

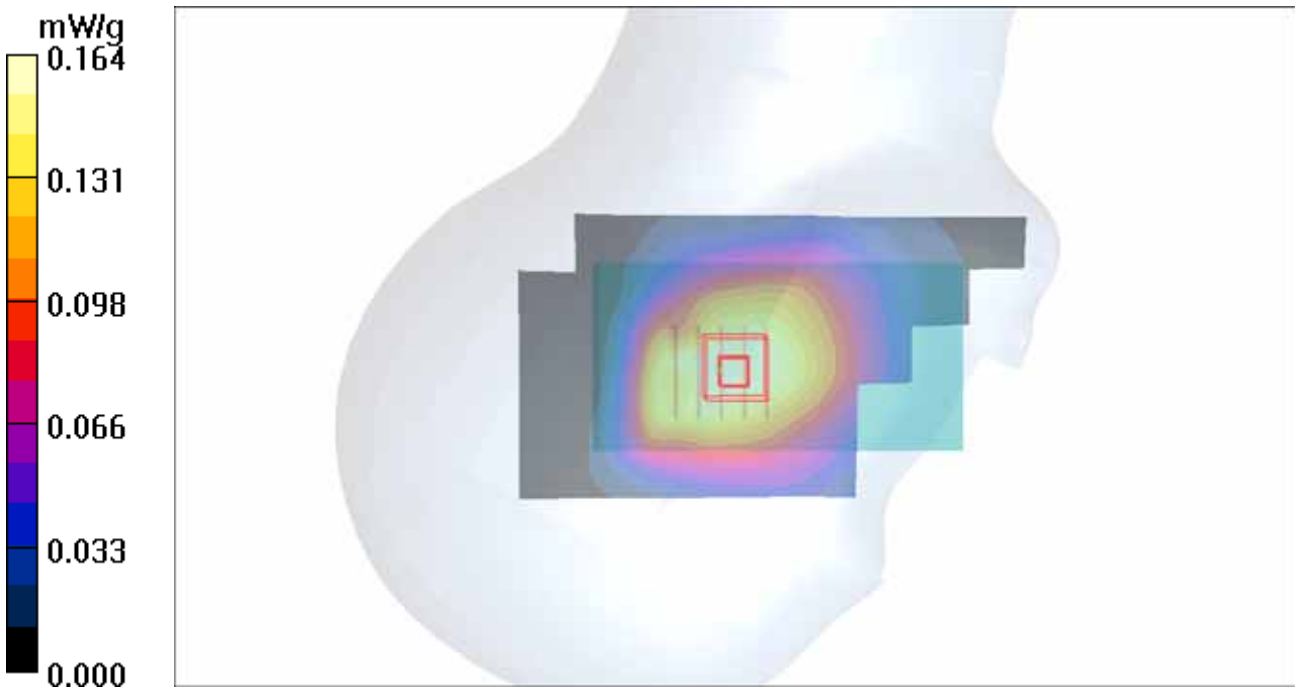
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.164 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.97 V/m; Power Drift = 0.070 dB
Peak SAR (extrapolated) = 0.185 W/kg
**SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.113 mW/g**
Maximum value of SAR (measured) = 0.168 mW/g



## P237 LTE 5_QPSK_10M_Left Cheek_Ch20600_1RB_Offset 0

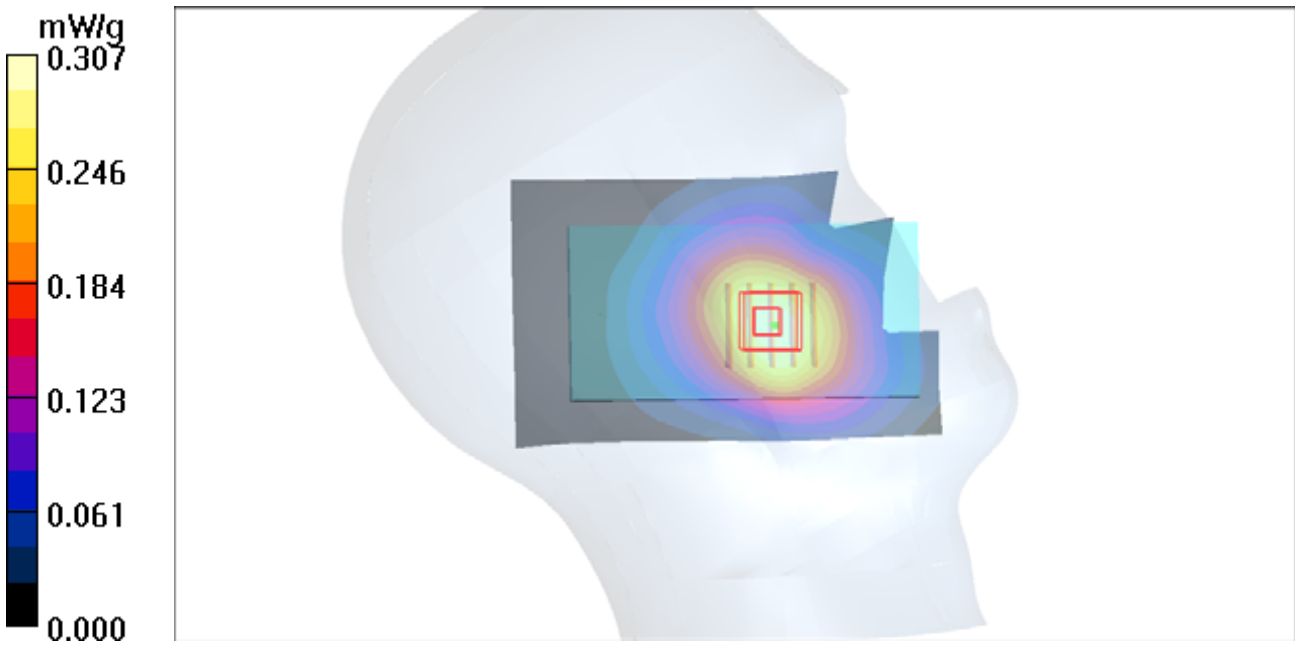
**DUT: 120710C03**

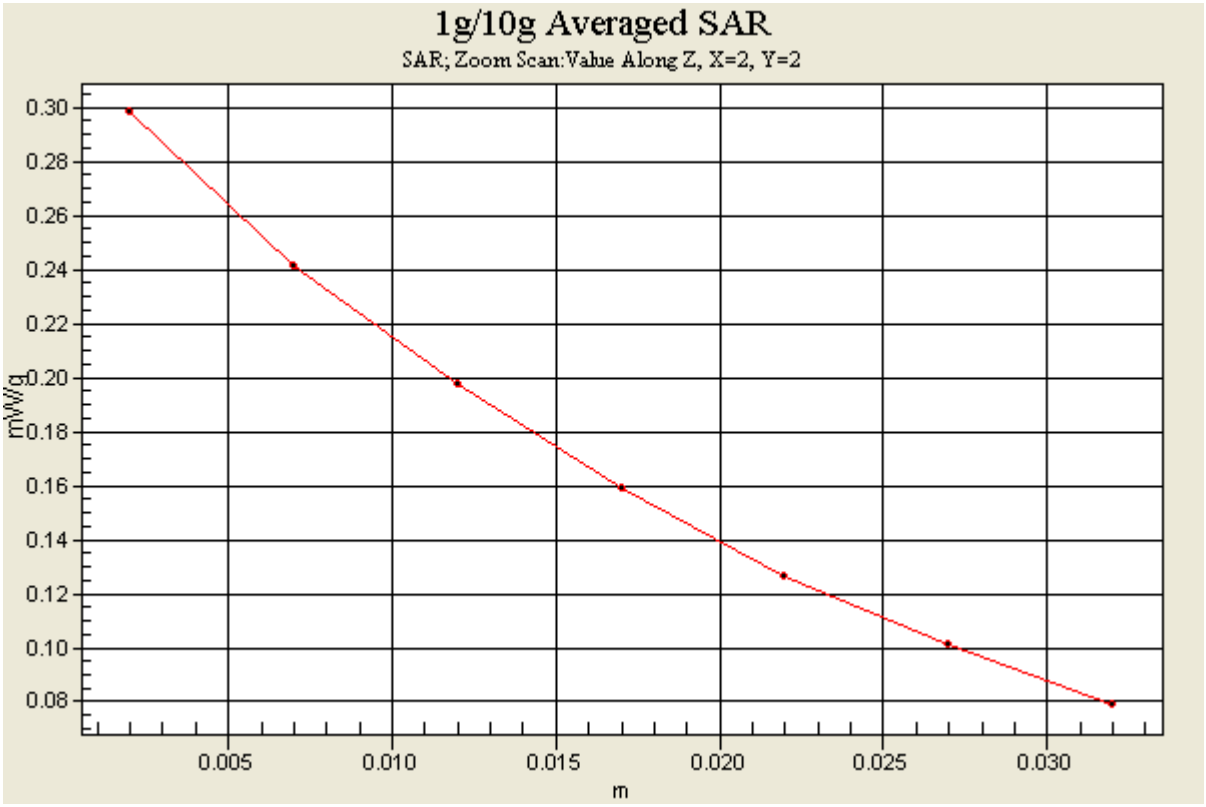
Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.307 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.45 V/m; Power Drift = -0.161 dB
Peak SAR (extrapolated) = 0.326 W/kg
**SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.202 mW/g**
Maximum value of SAR (measured) = 0.298 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
mW/g
0.30
0.28
0.26
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.005
0.010
0.015
0.020
0.025
0.030
m

## P238 LTE 5_QPSK_10M_Left Tilted_Ch20600_1RB_Offset 0

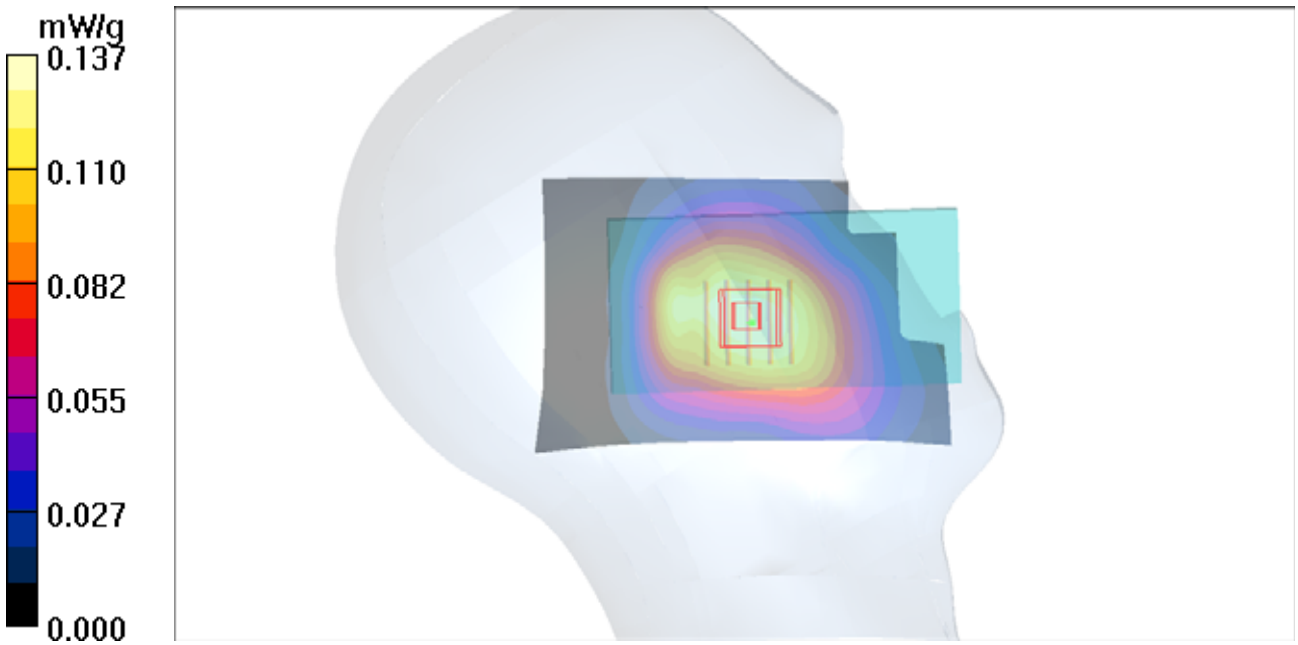
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.137 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.24 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.147 W/kg
**SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.093 mW/g**
Maximum value of SAR (measured) = 0.134 mW/g



## P239 LTE 5_QPSK_10M_Right Cheek_Ch20600_1RB_Offset 49

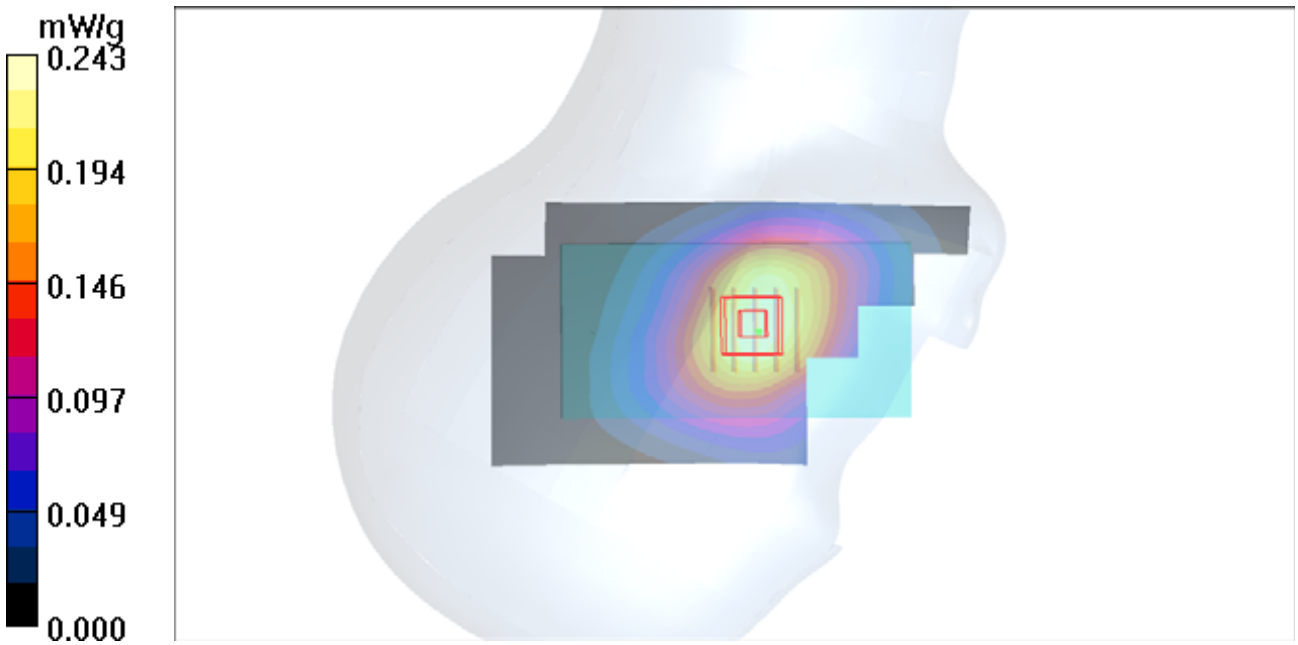
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.243 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.70 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.264 W/kg
**SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.163 mW/g**
Maximum value of SAR (measured) = 0.242 mW/g



## P240 LTE 5_QPSK_10M_Right Tilted_Ch20600_1RB_Offset 49

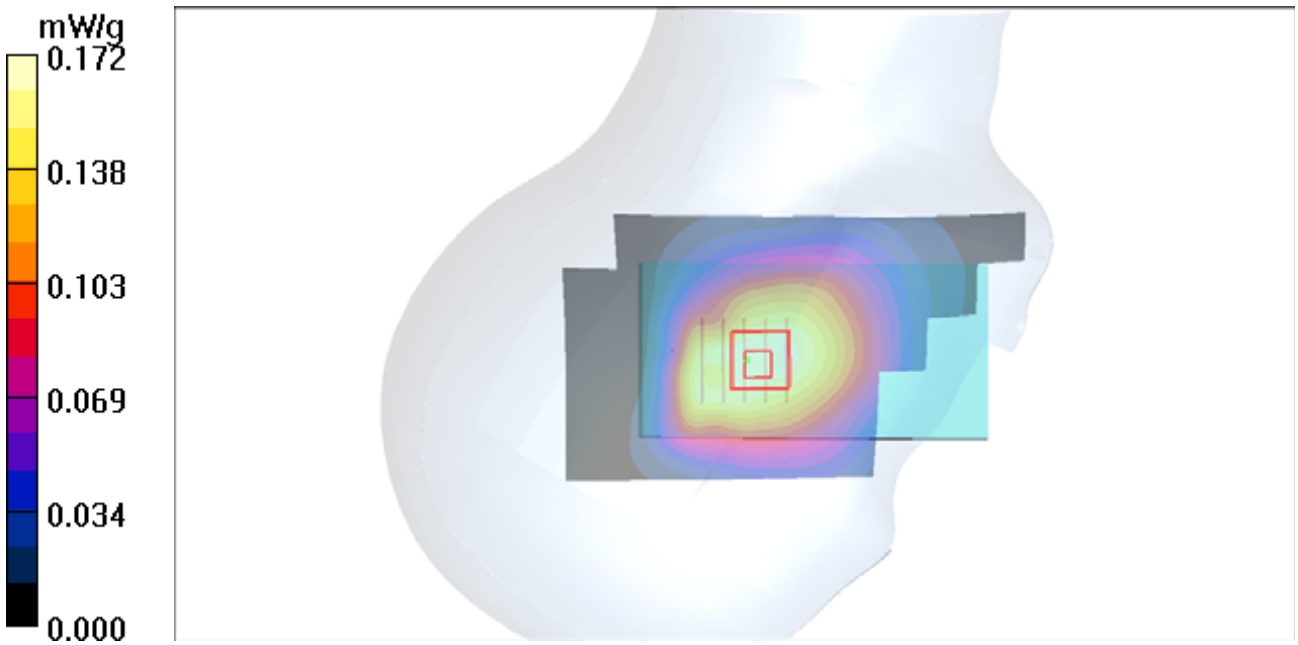
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.172 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.04 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.189 W/kg
**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.115 mW/g**
Maximum value of SAR (measured) = 0.170 mW/g



## P241 LTE 5_QPSK_10M_Left Cheek_Ch20600_1RB_Offset 49

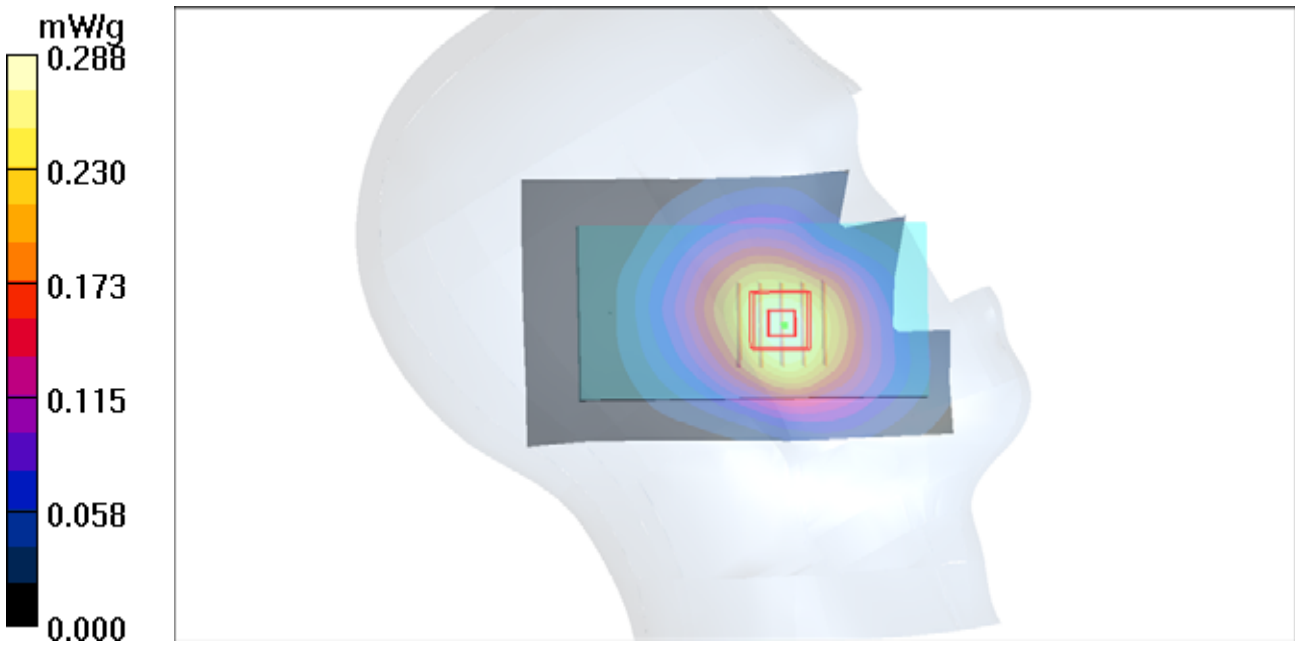
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.288 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.71 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 0.301 W/kg
**SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.185 mW/g**
Maximum value of SAR (measured) = 0.276 mW/g



## P242 LTE 5_QPSK_10M_Left Tilted_Ch20600_1RB_Offset 49

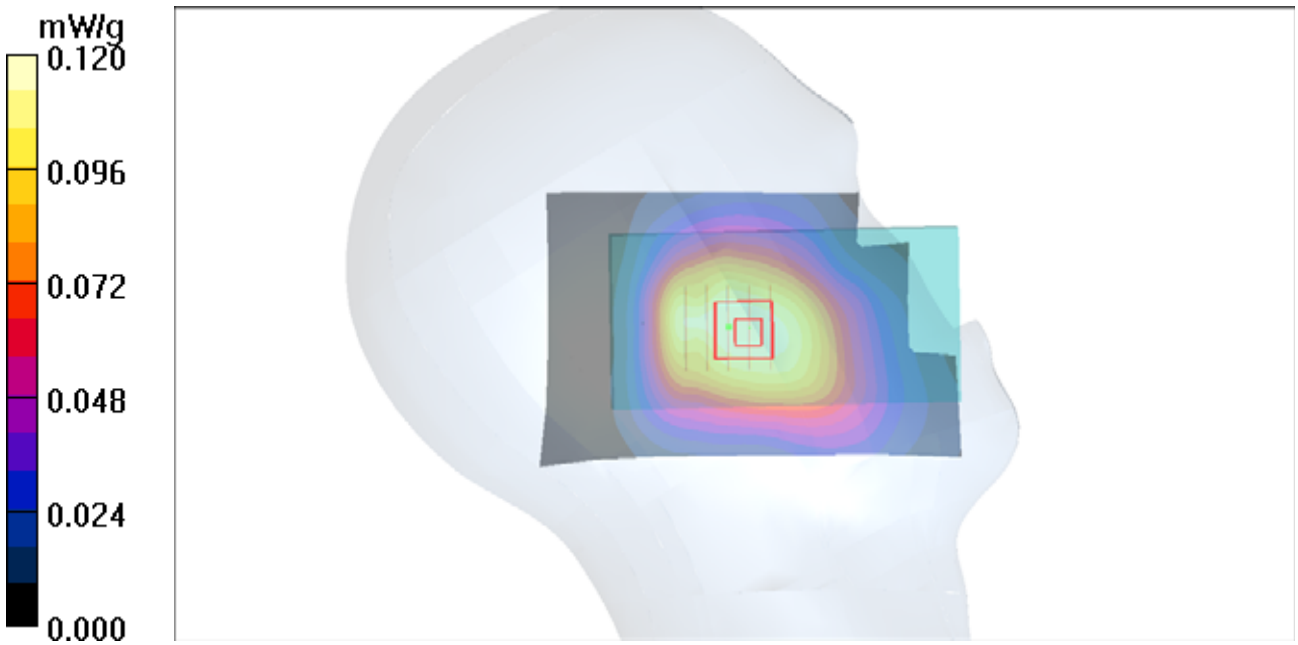
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.120 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.52 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 0.129 W/kg
**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.080 mW/g**
Maximum value of SAR (measured) = 0.117 mW/g



## P243 LTE 5_16QAM_10M_Left Cheek_Ch20600_25RB_Offset 12

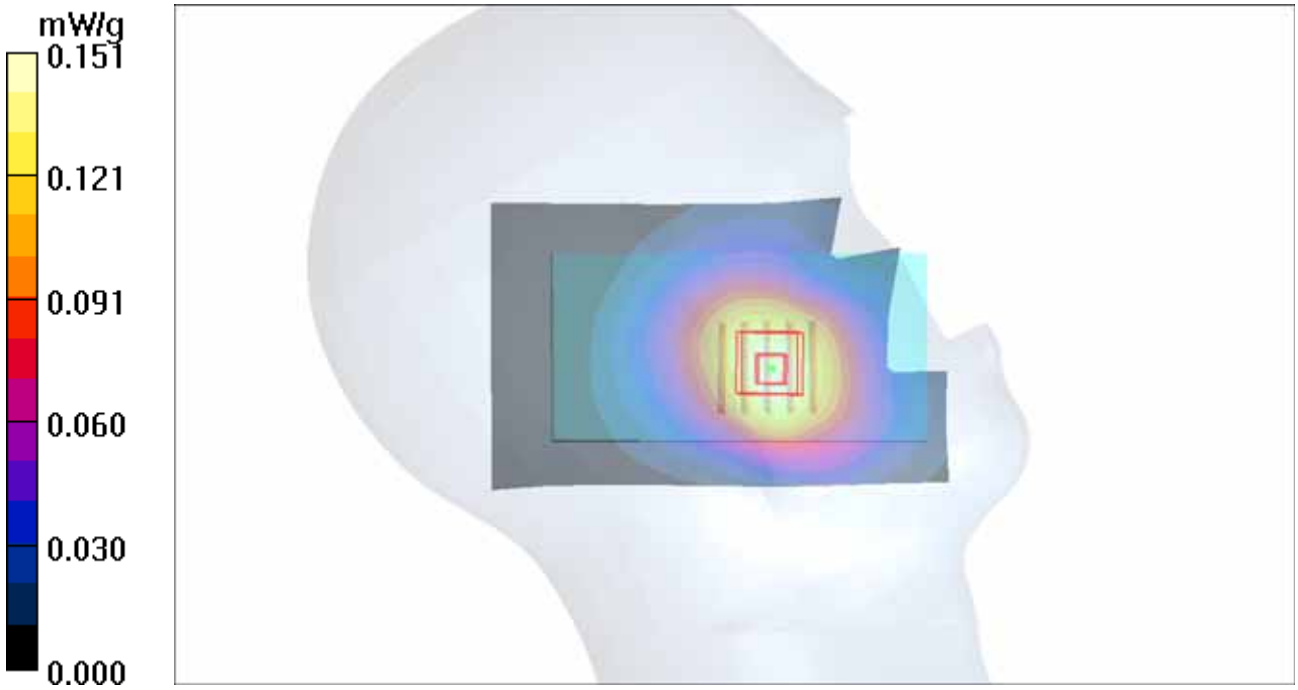
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.151 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.67 V/m; Power Drift = -0.196 dB
Peak SAR (extrapolated) = 0.163 W/kg
**SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.097 mW/g**
Maximum value of SAR (measured) = 0.149 mW/g



## P244 LTE 5_16QAM_10M_Left Cheek_Ch20600_1RB_Offset 0

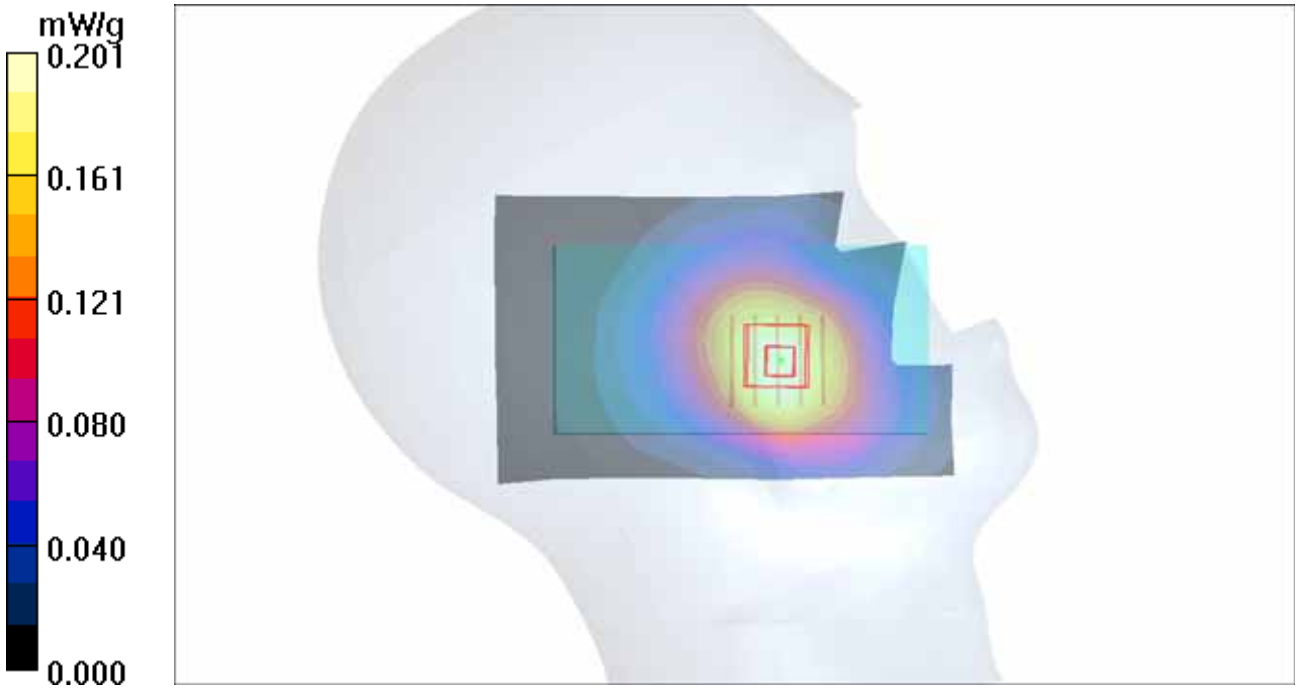
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.201 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.05 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.217 W/kg
**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.133 mW/g**
Maximum value of SAR (measured) = 0.200 mW/g



## P245 LTE 5_16QAM_10M_Left Cheek_Ch20600_1RB_Offset 49

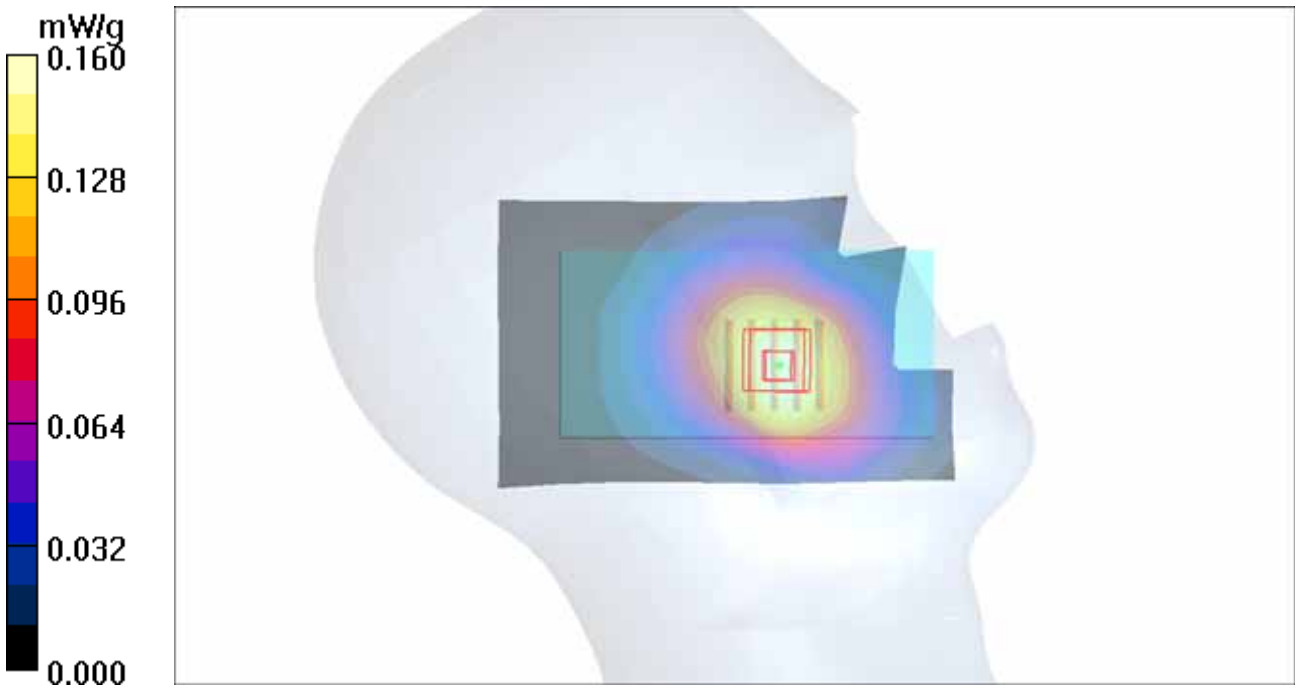
**DUT: 120710C03**

Communication System: LTE band 5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H835_0724 Medium parameters used: f = 844 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 42.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.0 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20600/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.160 mW/g

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.47 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 0.175 W/kg
**SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.105 mW/g**
Maximum value of SAR (measured) = 0.161 mW/g



## P216 LTE 4_QPSK_10M_Right Cheek_Ch20175_25RB_Offset 12

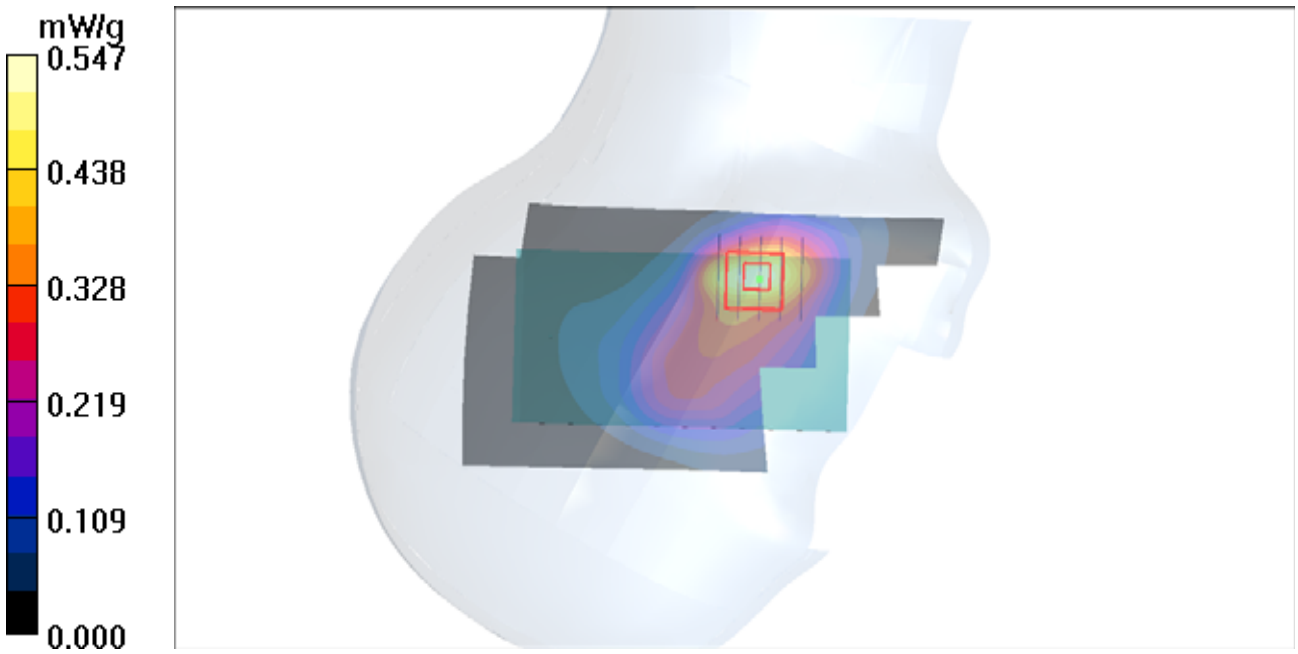
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.547 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.66 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 0.591 W/kg
**SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.249 mW/g**
Maximum value of SAR (measured) = 0.500 mW/g



# P217 LTE 4_QPSK_10M_Right Tilted_Ch20175_25RB_Offset 12

**DUT: 120710C03**

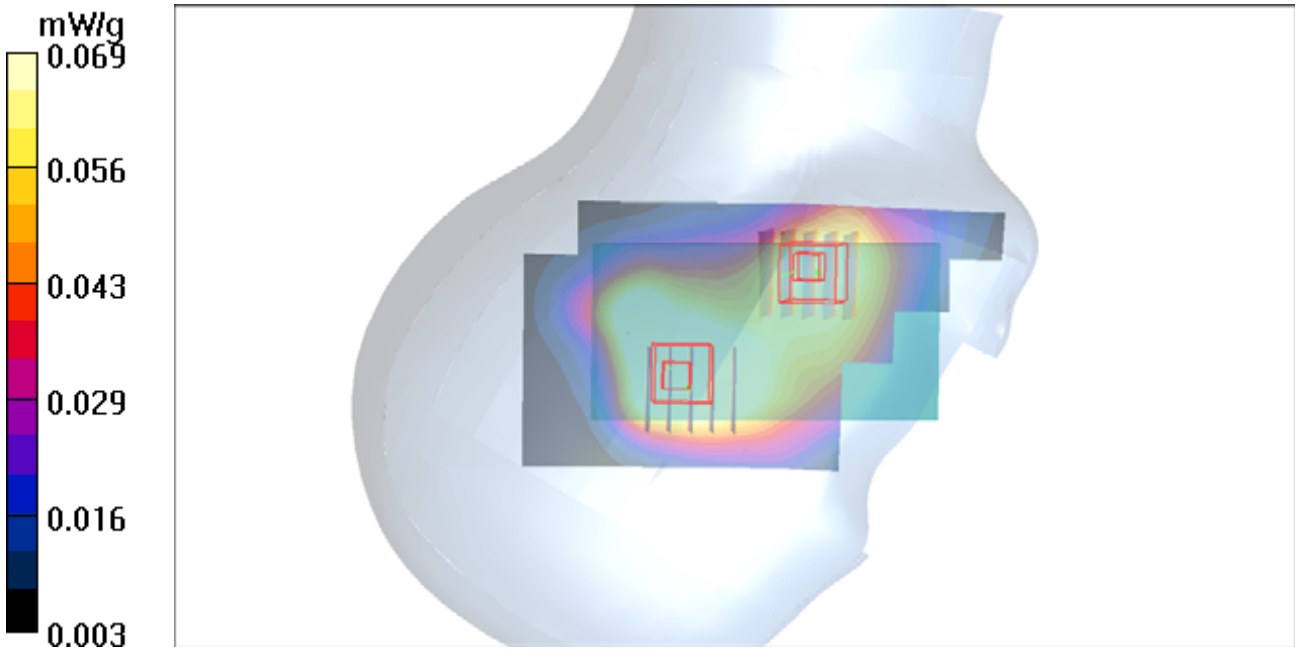
Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃； Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.103 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.21 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.129 W/kg
**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.059 mW/g**
Maximum value of SAR (measured) = 0.107 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.21 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.080 W/kg
**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.042 mW/g**
Maximum value of SAR (measured) = 0.069 mW/g



## P218 LTE 4_QPSK_10M_Left Cheek_Ch20175_25RB_Offset 12

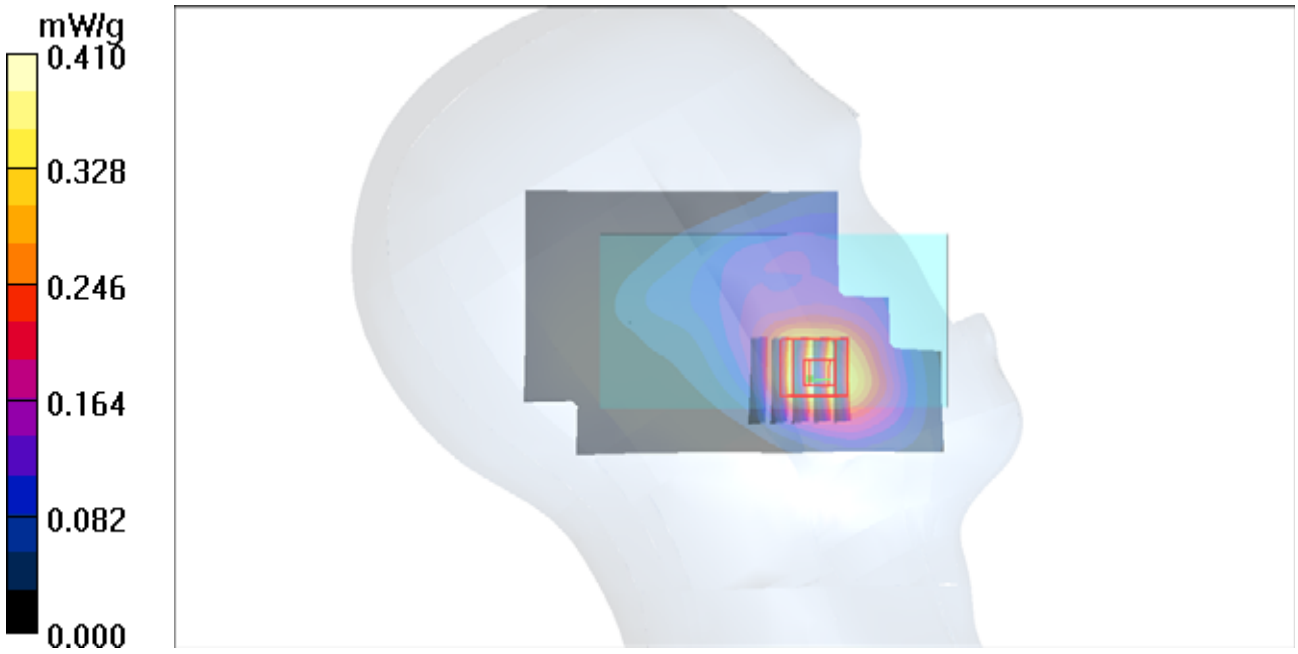
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.410 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.33 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.501 W/kg
**SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.216 mW/g**
Maximum value of SAR (measured) = 0.424 mW/g



## P219 LTE 4_QPSK_10M_Left Tilted_Ch20175_25RB_Offset 12

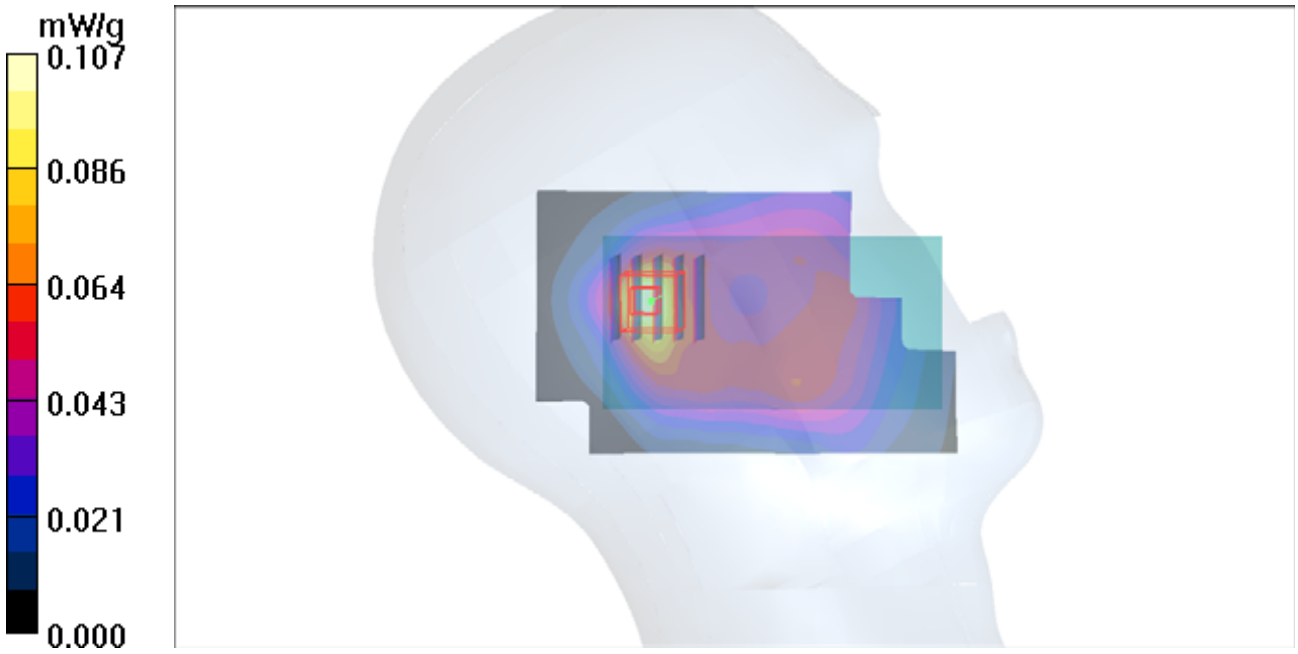
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.107 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.50 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 0.121 W/kg
**SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.049 mW/g**
Maximum value of SAR (measured) = 0.099 mW/g



## P220 LTE 4_QPSK_10M_Right Cheek_Ch20175_1RB_Offset 0

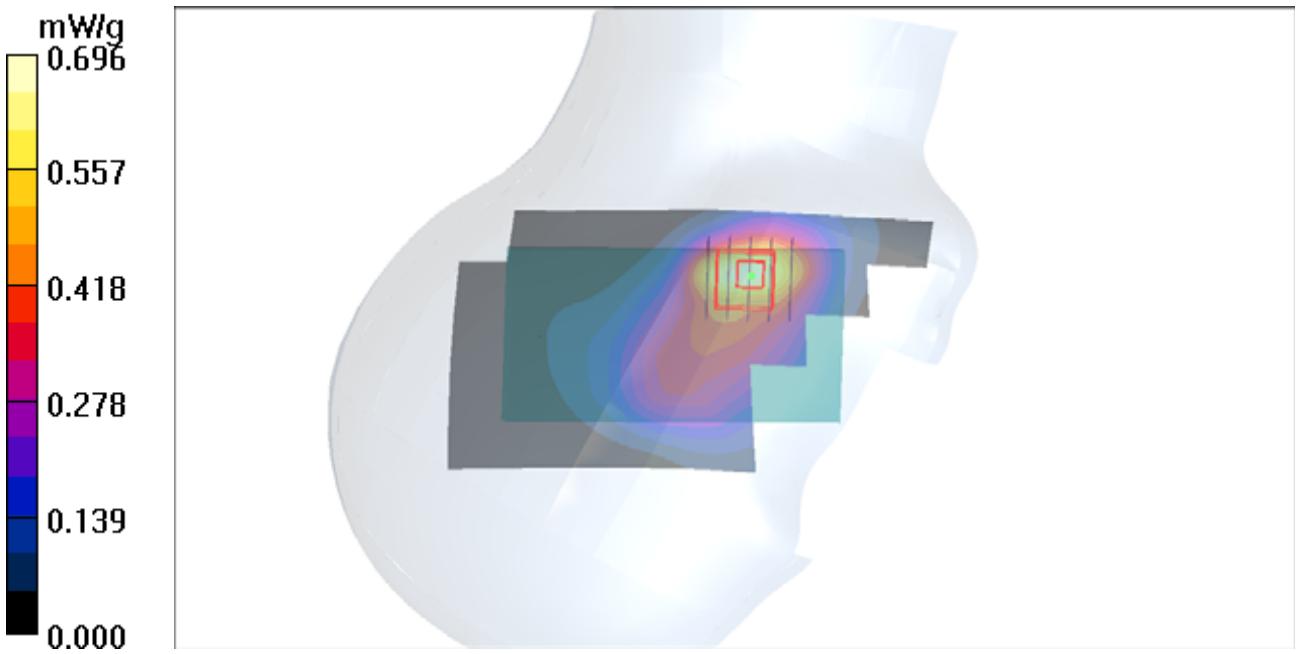
**DUT: 120710C03**

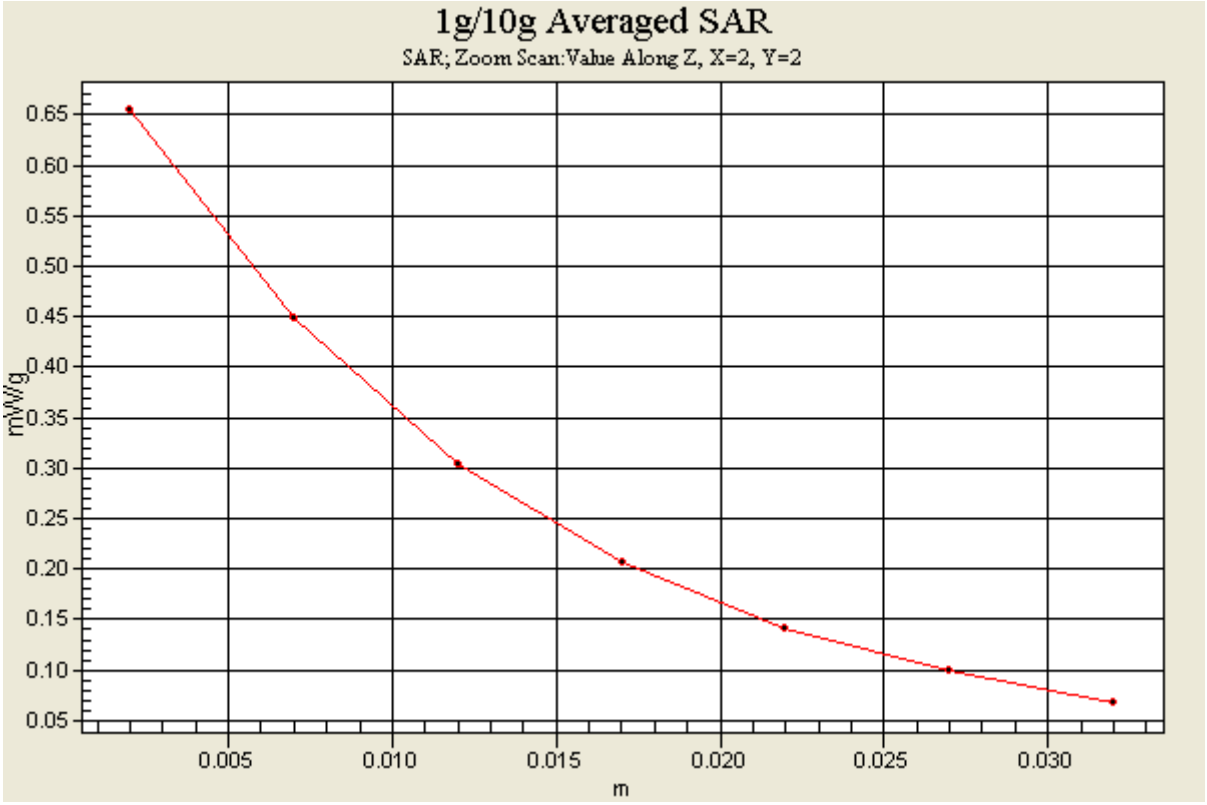
Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.696 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.97 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.763 W/kg
**SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.326 mW/g**
Maximum value of SAR (measured) = 0.654 mW/g




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

## P221 LTE 4_QPSK_10M_Right Tilted_Ch20175_1RB_Offset 0

**DUT: 120710C03**

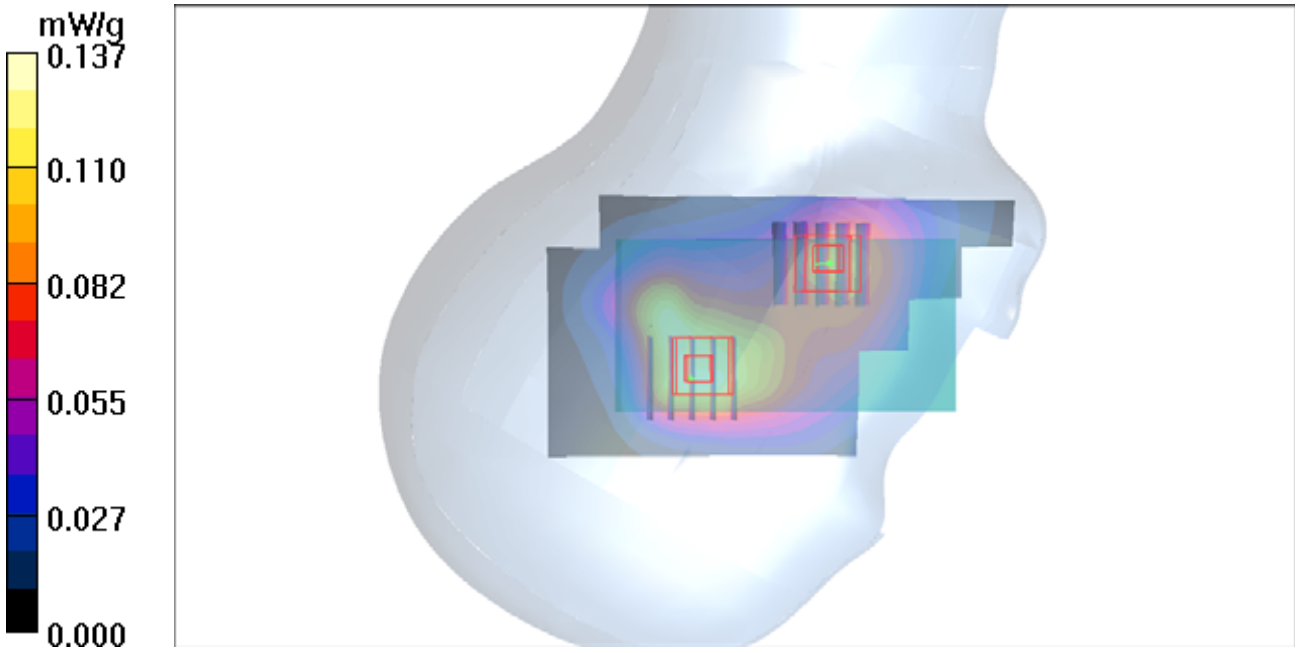
Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.137 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.74 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 0.160 W/kg
**SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.075 mW/g**
Maximum value of SAR (measured) = 0.135 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.74 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 0.103 W/kg
**SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.053 mW/g**
Maximum value of SAR (measured) = 0.091 mW/g



## P222 LTE 4_QPSK_10M_Left Cheek_Ch20175_1RB_Offset 0

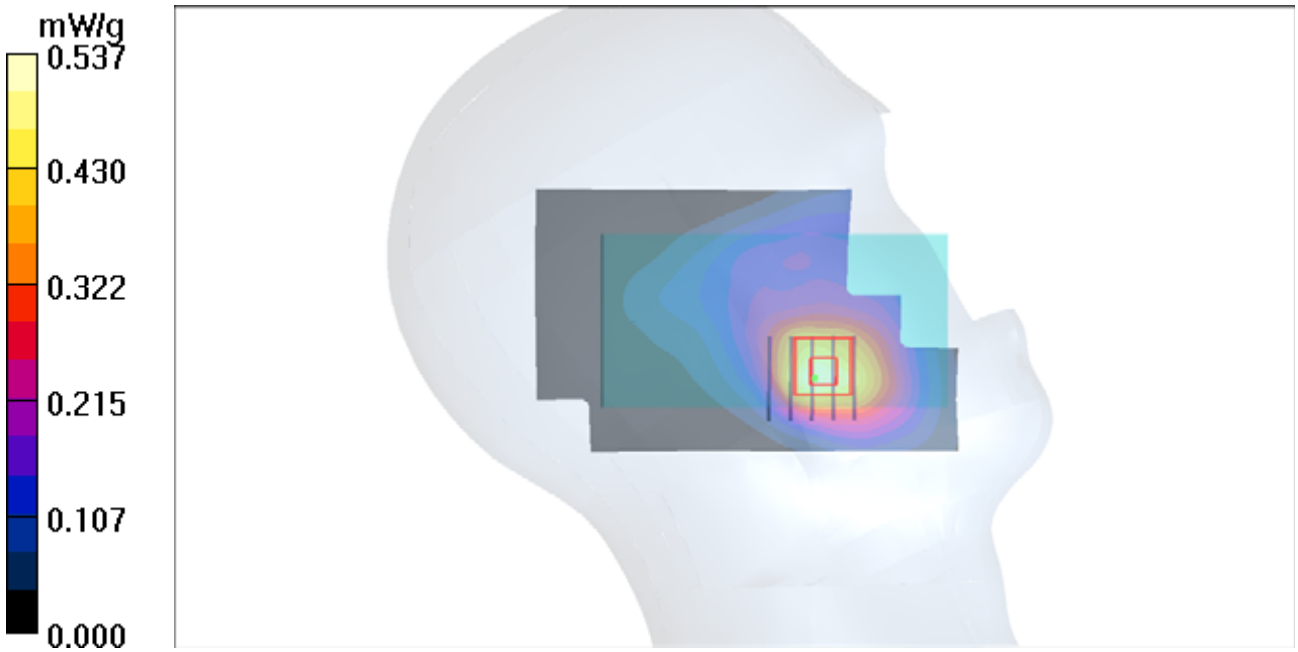
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.537 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.92 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 0.662 W/kg
**SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.284 mW/g**
Maximum value of SAR (measured) = 0.551 mW/g



## P223 LTE 4_QPSK_10M_Left Tilted_Ch20175_1RB_Offset 0

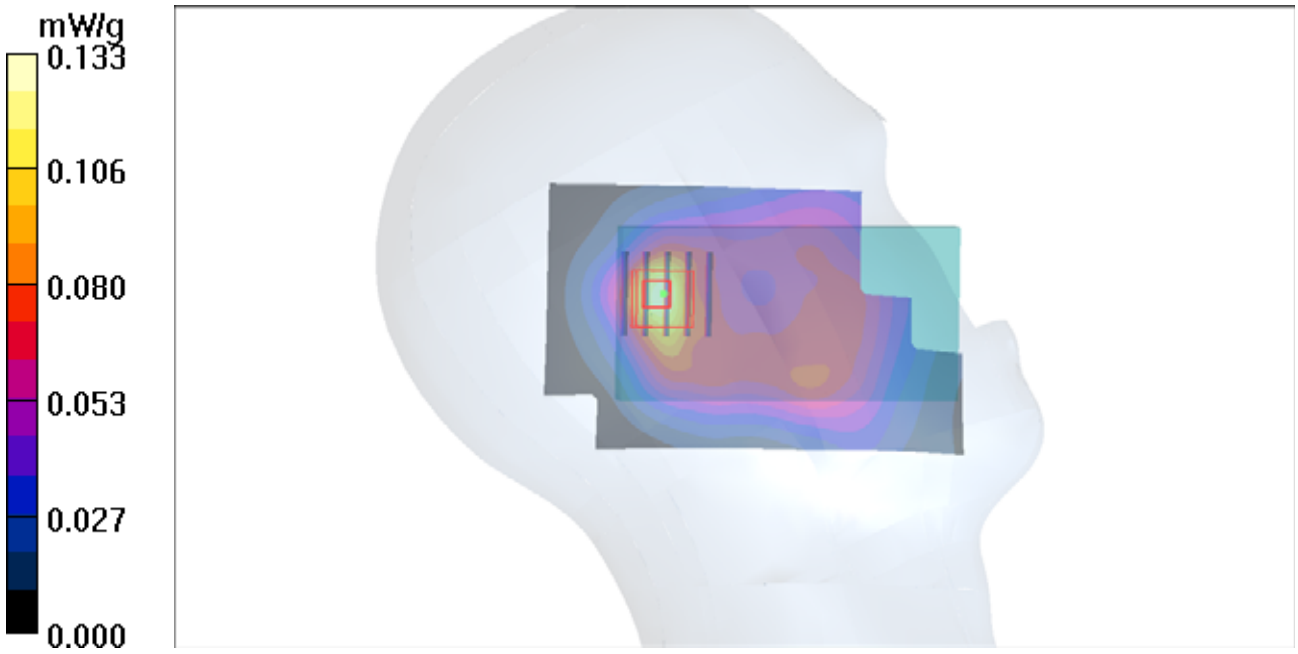
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.133 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.27 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 0.147 W/kg
**SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.061 mW/g**
Maximum value of SAR (measured) = 0.122 mW/g



## P224 LTE 4_QPSK_10M_Right Cheek_Ch20175_1RB_Offset 49

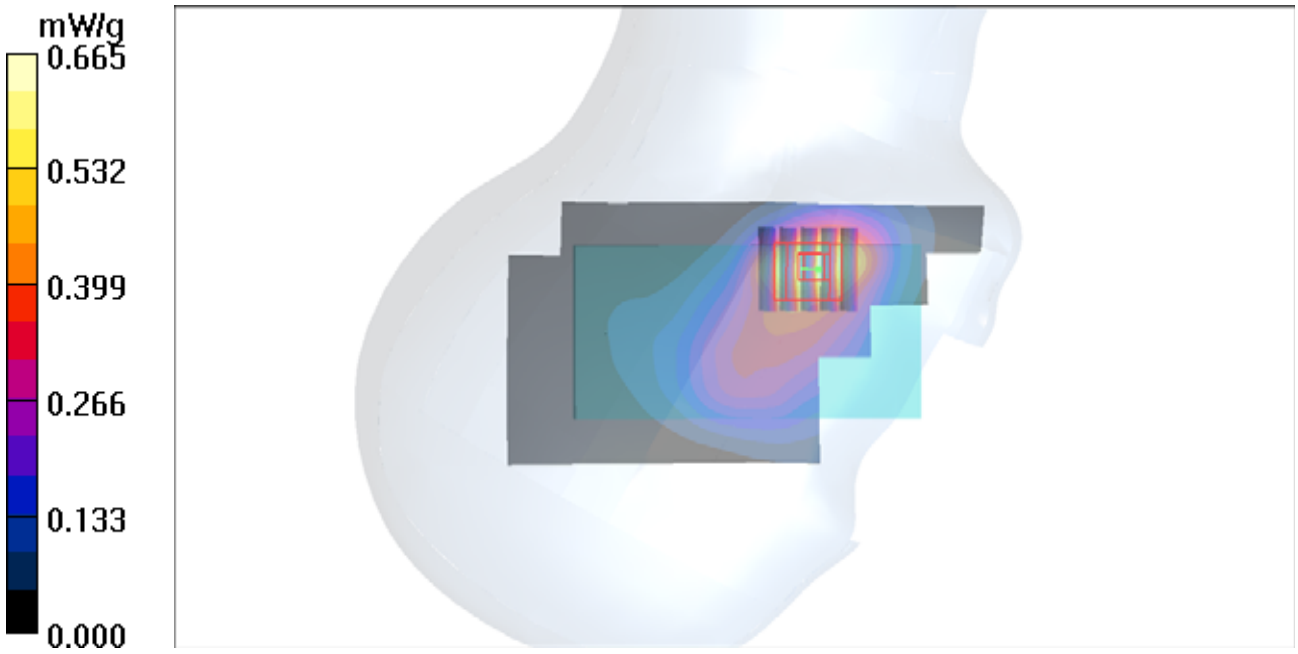
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃； Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.665 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.18 V/m; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.749 W/kg
**SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.308 mW/g**
Maximum value of SAR (measured) = 0.632 mW/g



# P225 LTE 4_QPSK_10M_Right Tilted_Ch20175_1RB_Offset 49

**DUT: 120710C03**

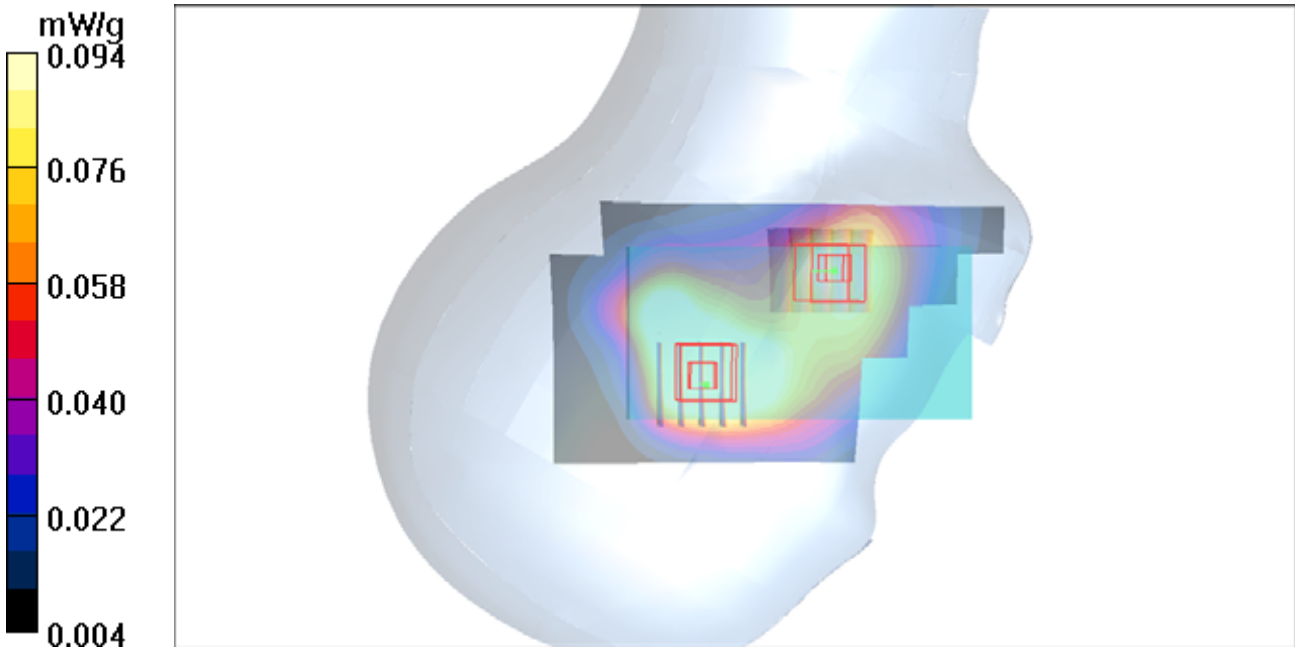
Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.142 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.49 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.167 W/kg
**SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.080 mW/g**
Maximum value of SAR (measured) = 0.143 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.49 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.107 W/kg
**SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.055 mW/g**
Maximum value of SAR (measured) = 0.094 mW/g



## P226 LTE 4_QPSK_10M_Left Cheek_Ch20175_1RB_Offset 49

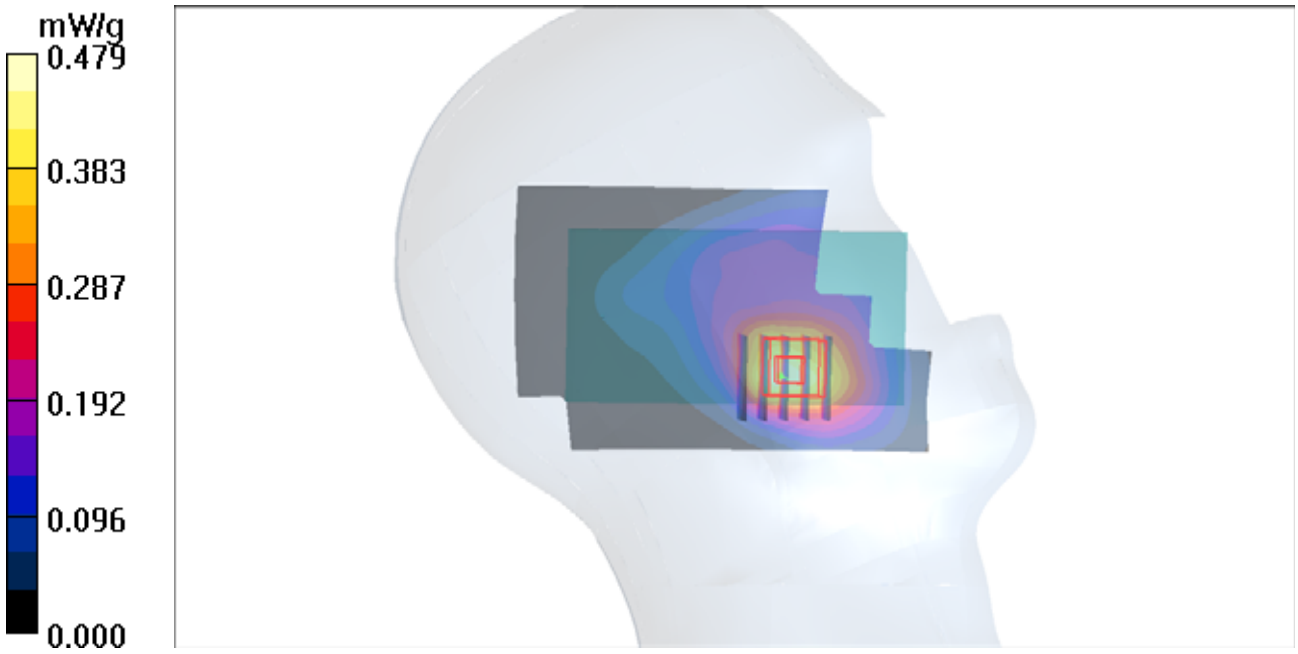
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.479 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.93 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.597 W/kg
**SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.258 mW/g**
Maximum value of SAR (measured) = 0.503 mW/g



## P227 LTE 4_QPSK_10M_Left Tilted_Ch20175_1RB_Offset 49

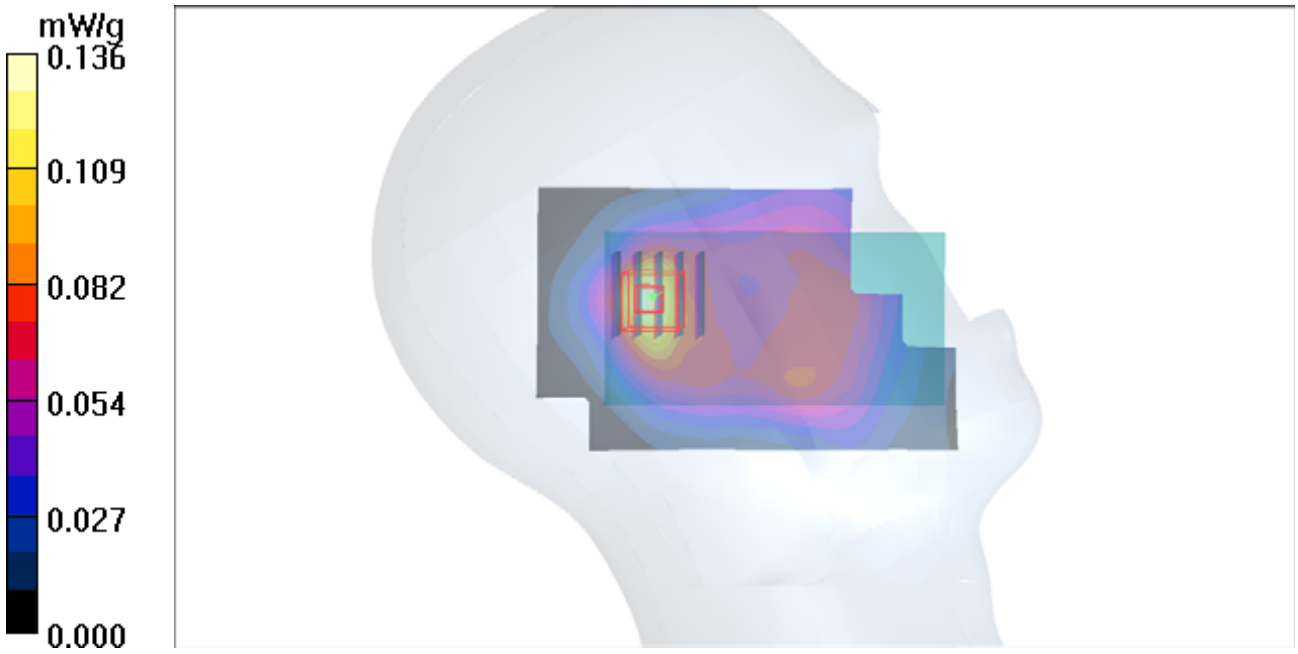
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃； Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.136 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.71 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 0.157 W/kg
**SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.065 mW/g**
Maximum value of SAR (measured) = 0.134 mW/g



## P228 LTE 4_16QAM_10M_Right Cheek_Ch20175_25RB_Offset 12

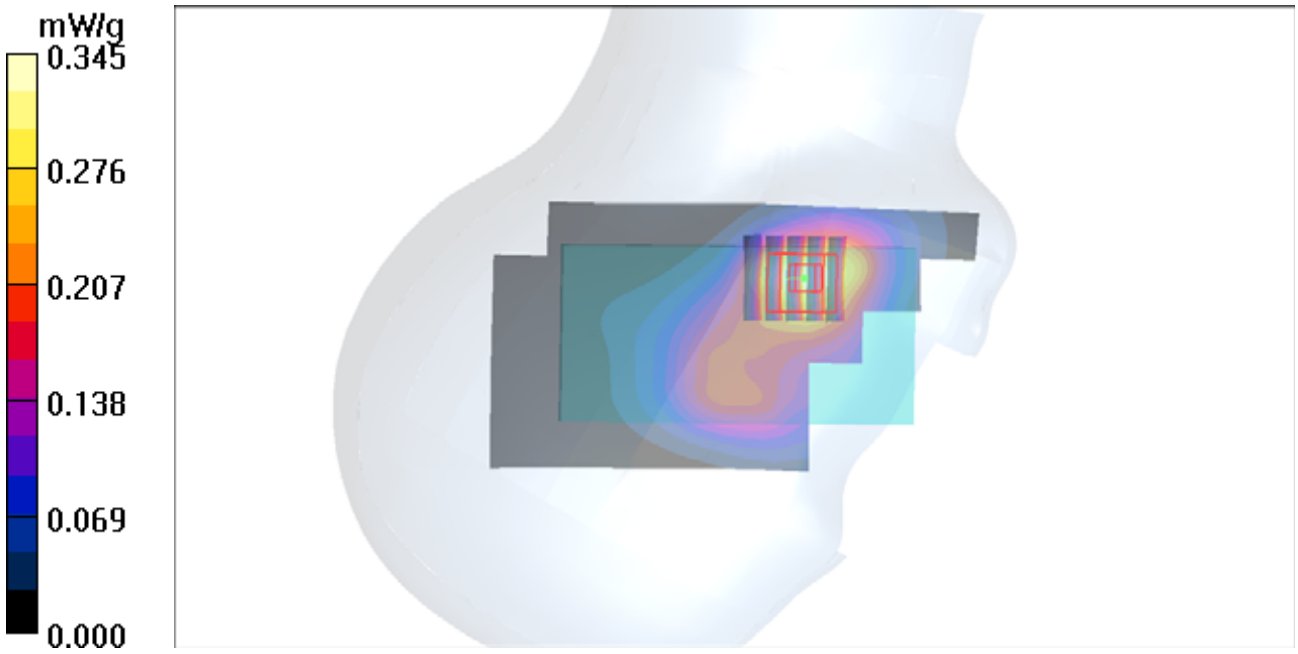
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.345 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.24 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.424 W/kg
**SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.182 mW/g**
Maximum value of SAR (measured) = 0.357 mW/g



## P229 LTE 4_16QAM_10M_Right Cheek_Ch20175_1RB_Offset 0

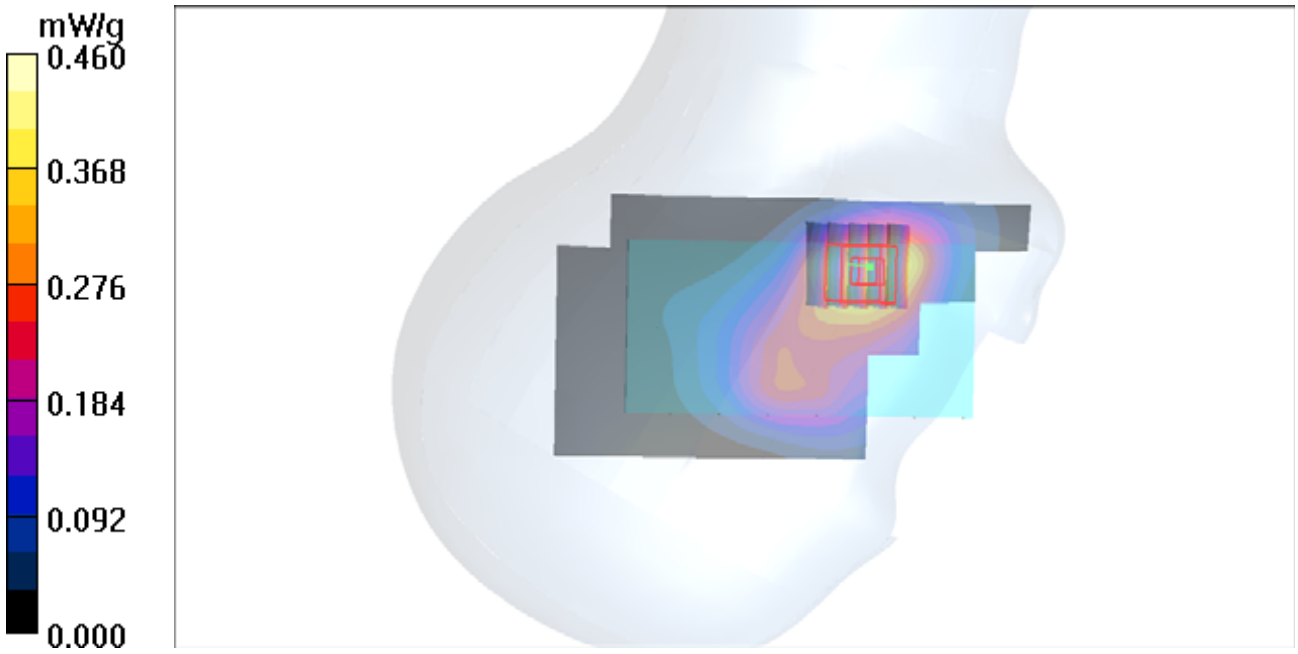
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.460 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.95 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 0.535 W/kg
**SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.230 mW/g**
Maximum value of SAR (measured) = 0.455 mW/g



## P230 LTE 4_16QAM_10M_Right Cheek_Ch20175_1RB_Offset 49

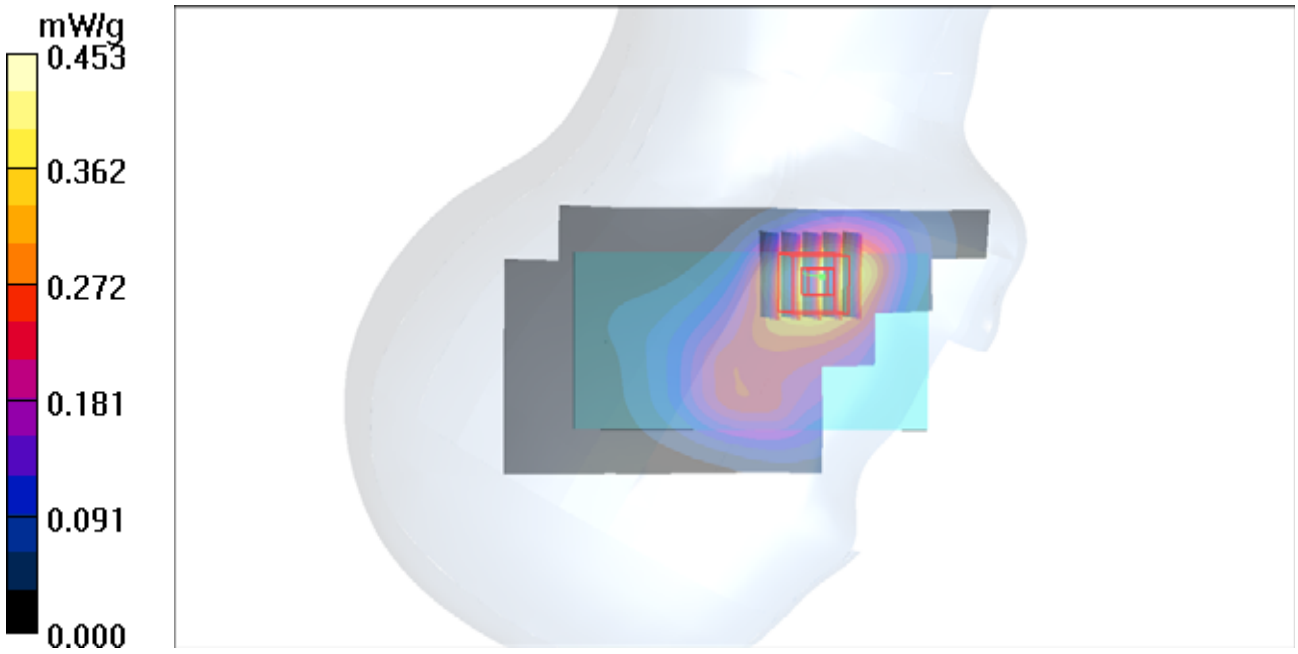
**DUT: 120710C03**

Communication System: LTE band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: H1750_0726 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.32 mho/m; $\varepsilon_r$ = 41.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.2 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch20175/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.453 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.93 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.533 W/kg
**SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.226 mW/g**
Maximum value of SAR (measured) = 0.455 mW/g



## P201 LTE 2_QPSK_10M_Right Cheek_Ch18650_25RB_Offset 12

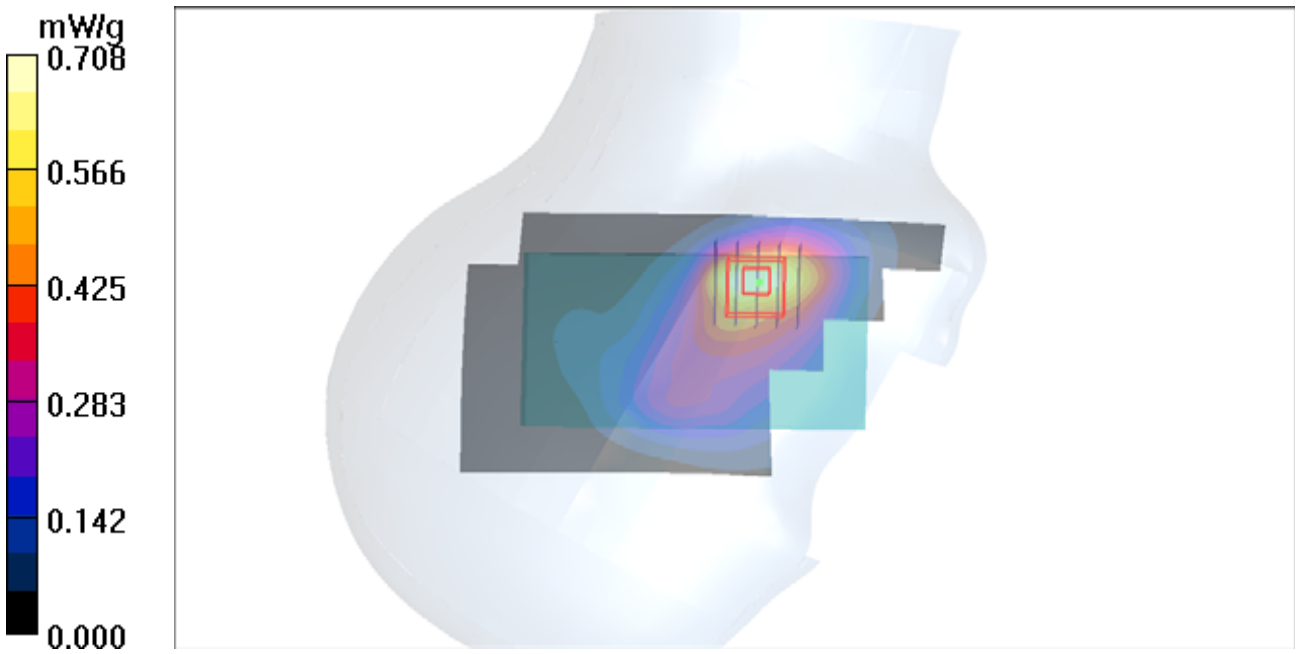
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.708 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.87 V/m; Power Drift = -0.165 dB
Peak SAR (extrapolated) = 0.797 W/kg
**SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.323 mW/g**
Maximum value of SAR (measured) = 0.670 mW/g



## P202 LTE 2_QPSK_10M_Right Tilted_Ch18650_25RB_Offset 12

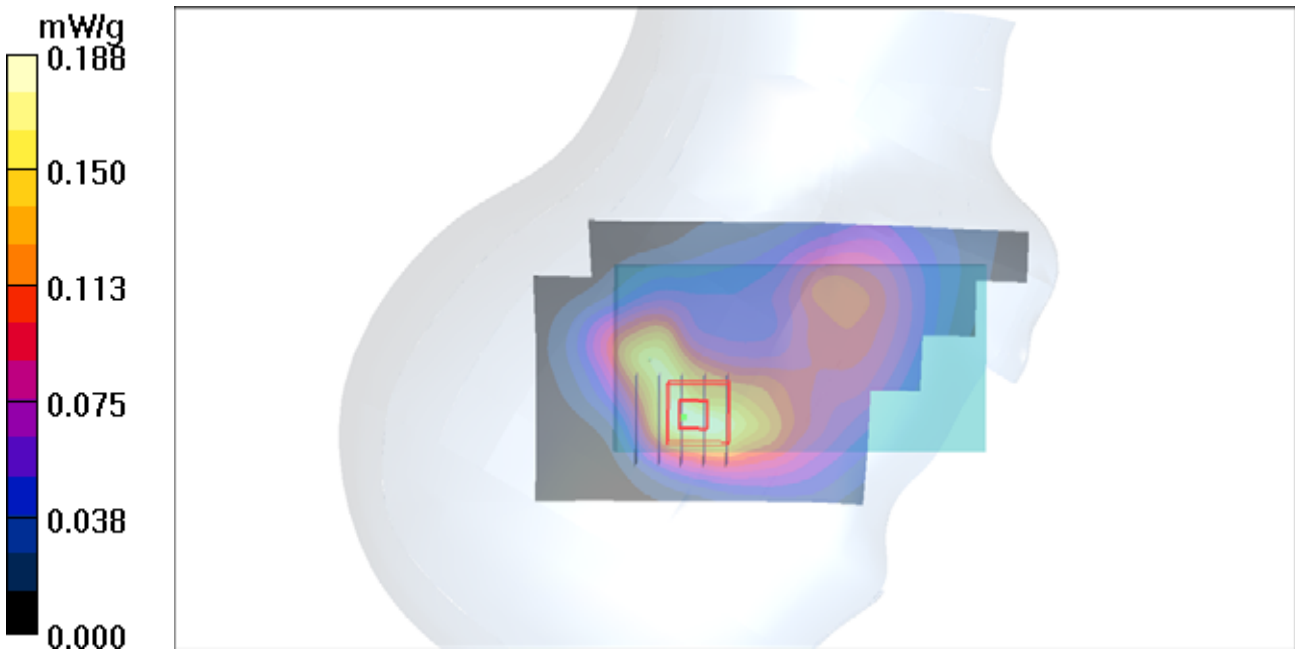
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.188 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = 0.005 dB
Peak SAR (extrapolated) = 0.211 W/kg
**SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.088 mW/g**
Maximum value of SAR (measured) = 0.178 mW/g



## P203 LTE 2_QPSK_10M_Left Cheek_Ch18650_25RB_Offset 12

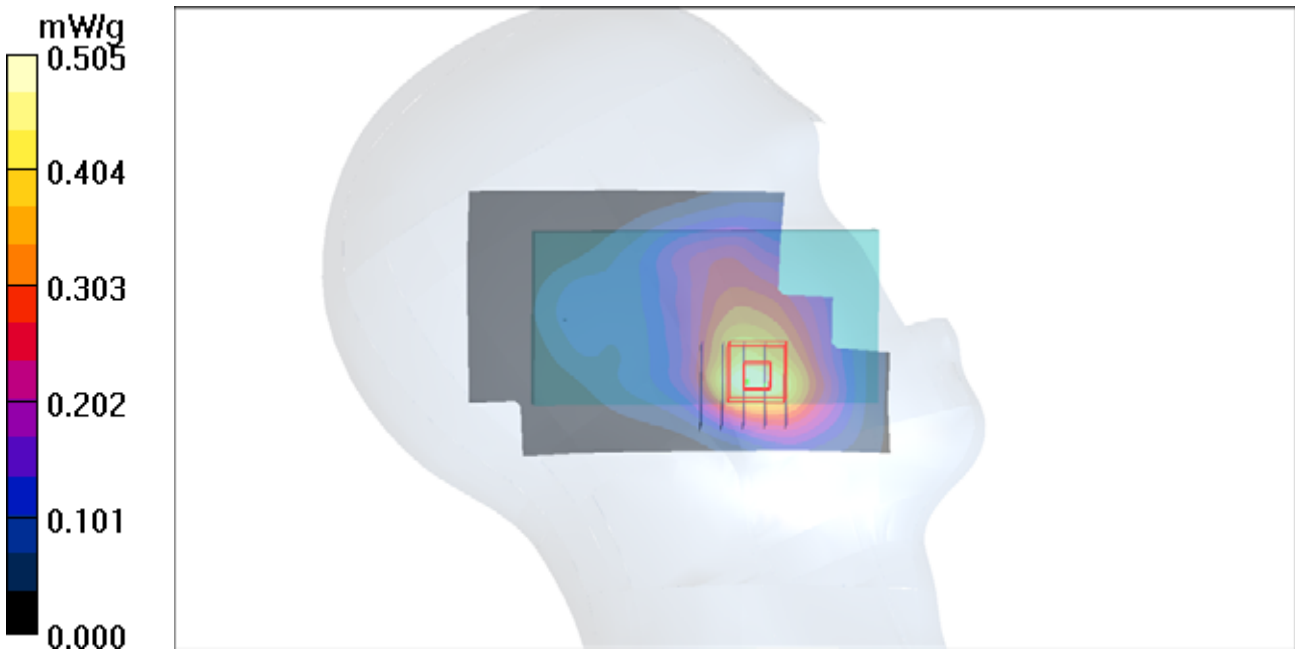
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.505 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.22 V/m; Power Drift = -0.154 dB
Peak SAR (extrapolated) = 0.577 W/kg
**SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.254 mW/g**
Maximum value of SAR (measured) = 0.484 mW/g



## P204 LTE 2_QPSK_10M_Left Tilted_Ch18650_25RB_Offset 12

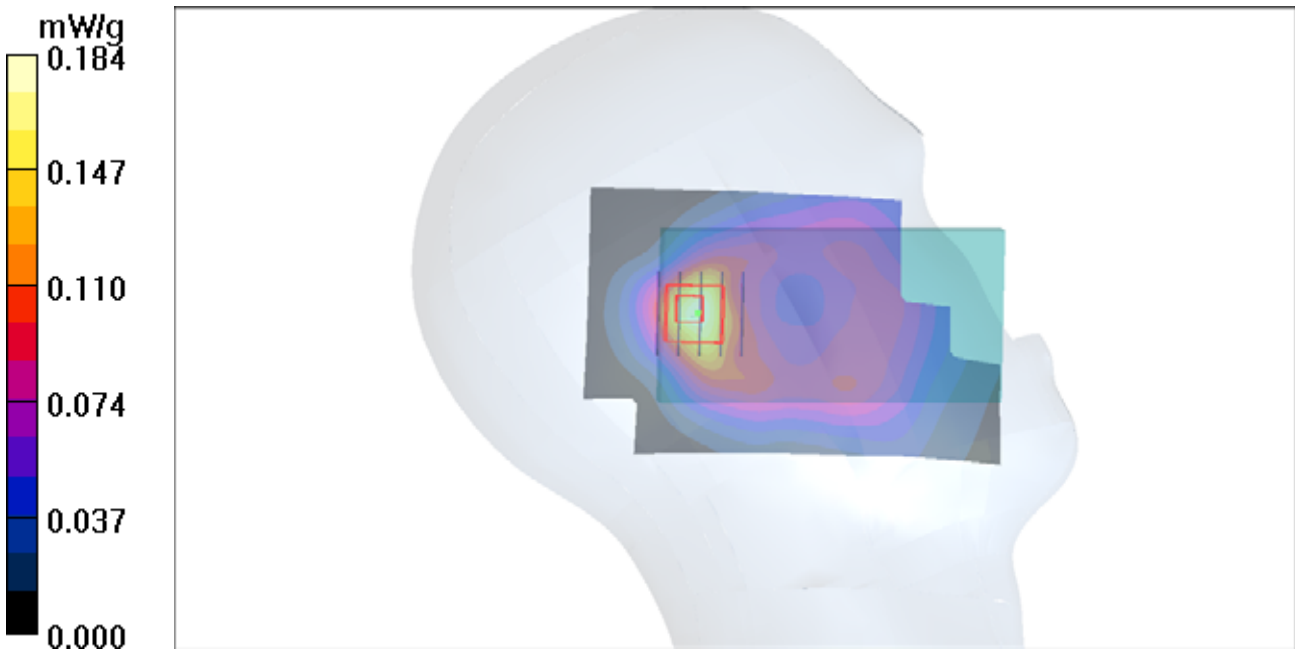
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.184 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 0.211 W/kg
**SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.082 mW/g**
Maximum value of SAR (measured) = 0.175 mW/g



## P205 LTE 2_QPSK_10M_Right Cheek_Ch18650_1RB_Offset 0

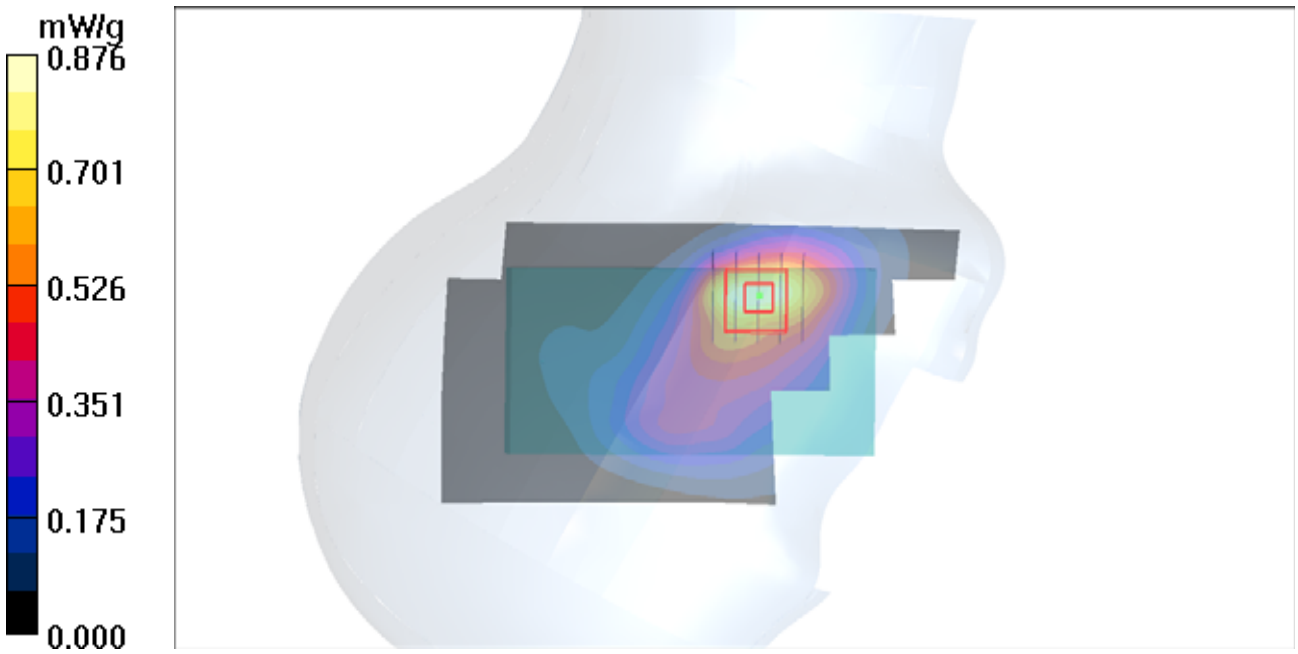
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.876 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.51 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 0.967 W/kg
**SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.392 mW/g**
Maximum value of SAR (measured) = 0.815 mW/g



## P206 LTE 2_QPSK_10M_Right Tilted_Ch18650_1RB_Offset 0

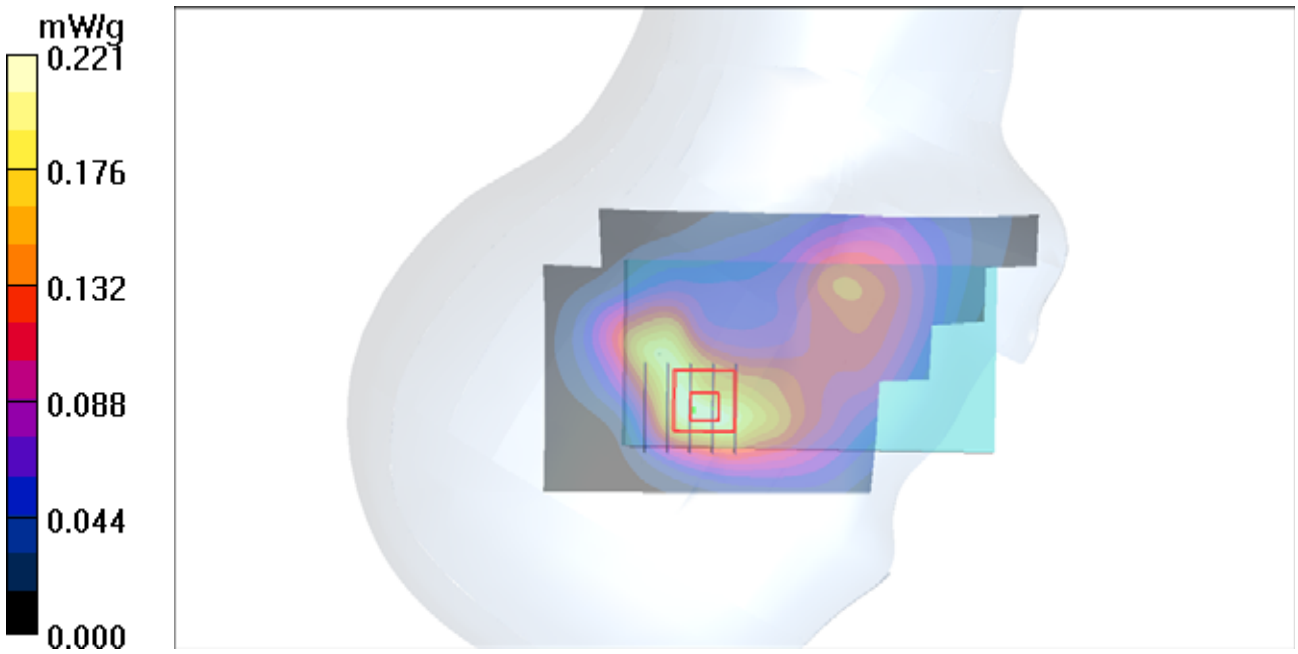
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.221 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 0.246 W/kg
**SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.105 mW/g**
Maximum value of SAR (measured) = 0.207 mW/g



## P207 LTE 2_QPSK_10M_Left Cheek_Ch18650_1RB_Offset 0

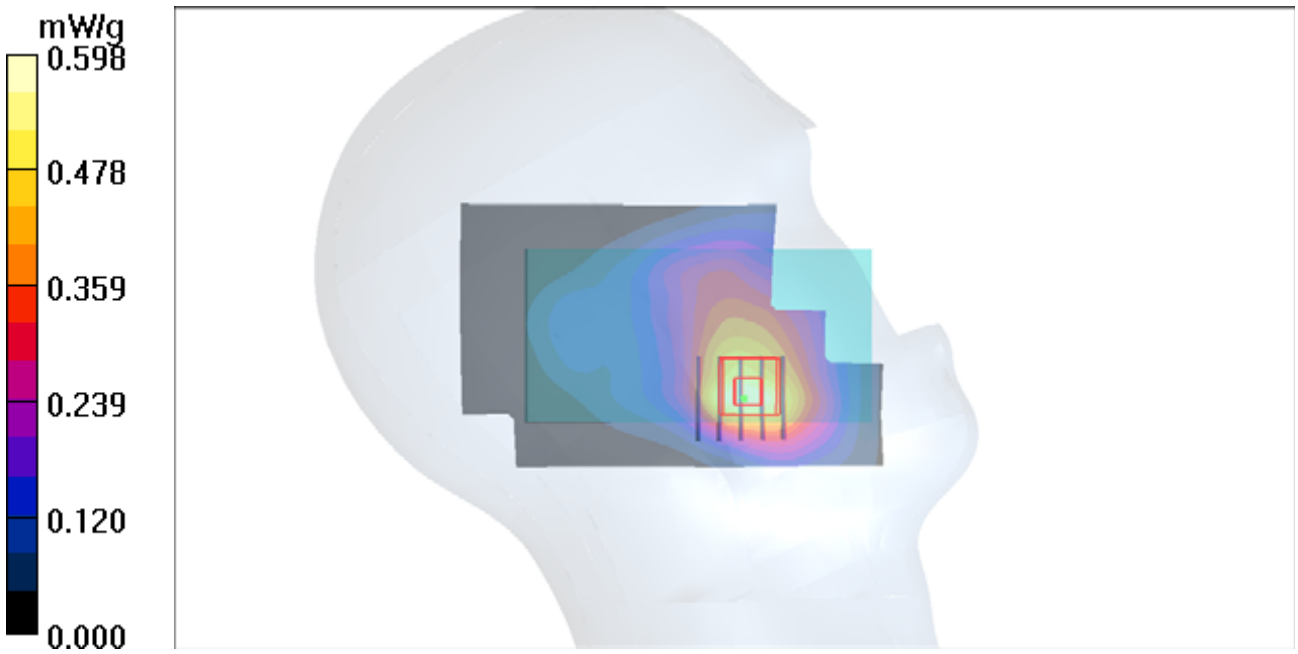
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.598 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.98 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.683 W/kg
**SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.303 mW/g**
Maximum value of SAR (measured) = 0.580 mW/g



## P208 LTE 2_QPSK_10M_Left Tilted_Ch18650_1RB_Offset 0

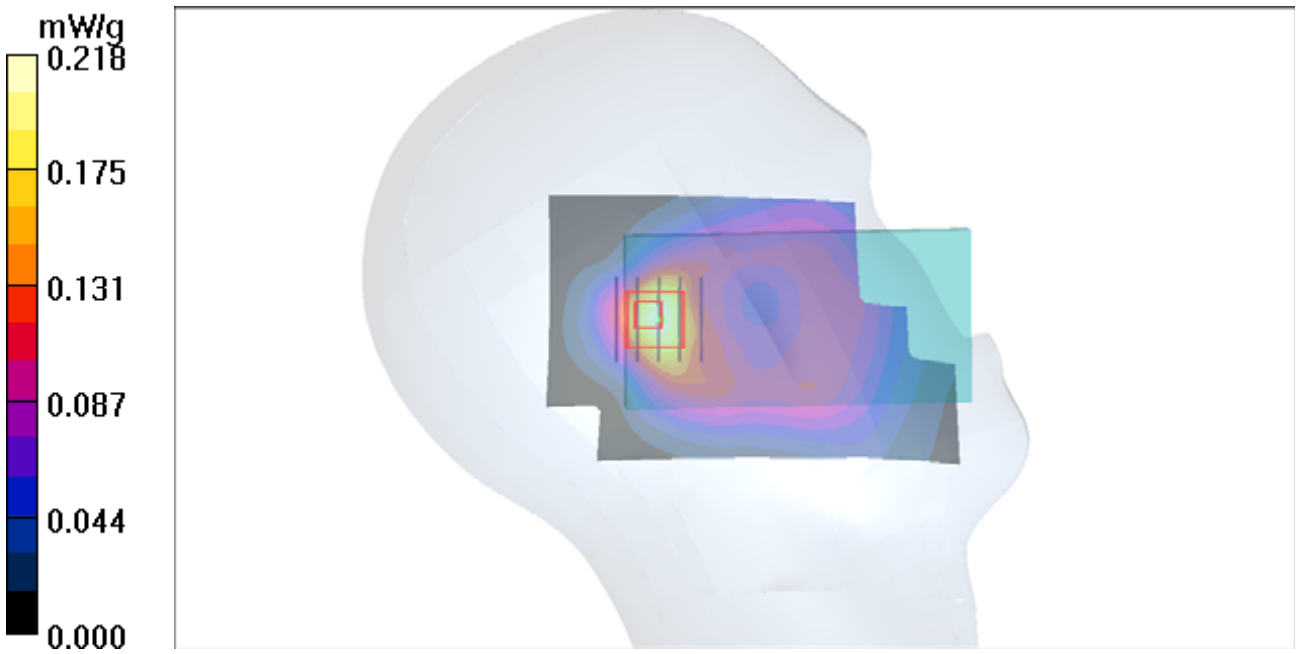
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.218 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.5 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 0.262 W/kg
**SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.101 mW/g**
Maximum value of SAR (measured) = 0.209 mW/g



## P209 LTE 2_QPSK_10M_Right Cheek_Ch18650_1RB_Offset 49

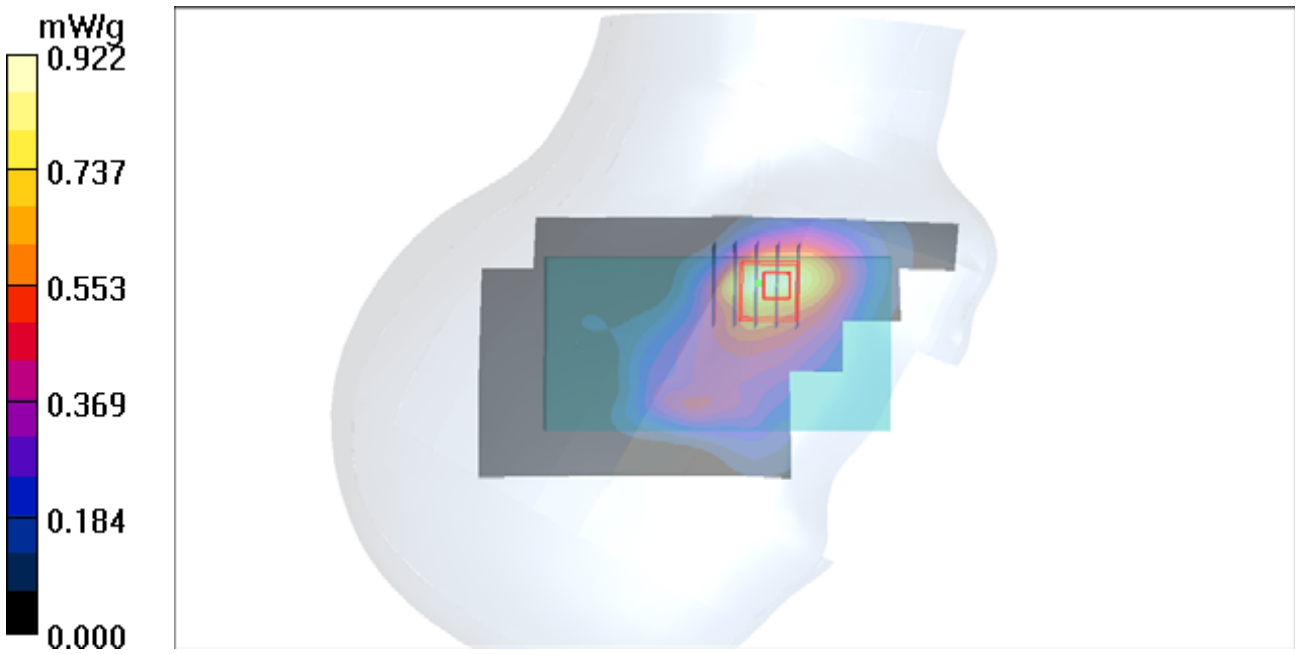
**DUT: 120710C03**

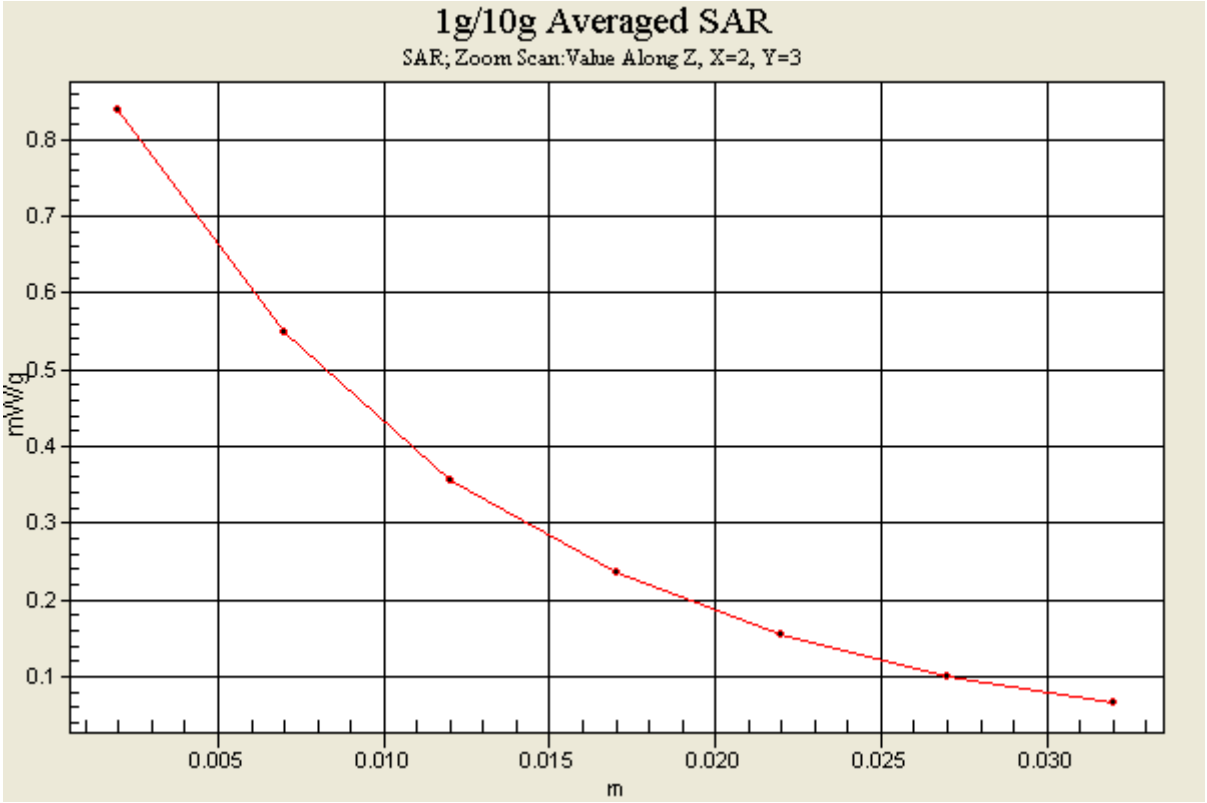
Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.922 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.54 V/m; Power Drift = 0.100 dB
Peak SAR (extrapolated) = 1.01 W/kg
**SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.399 mW/g**
Maximum value of SAR (measured) = 0.838 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=3
mW/g
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.005
0.010
0.015
0.020
0.025
0.030
m

## P210 LTE 2_QPSK_10M_Right Tilted_Ch18650_1RB_Offset 49

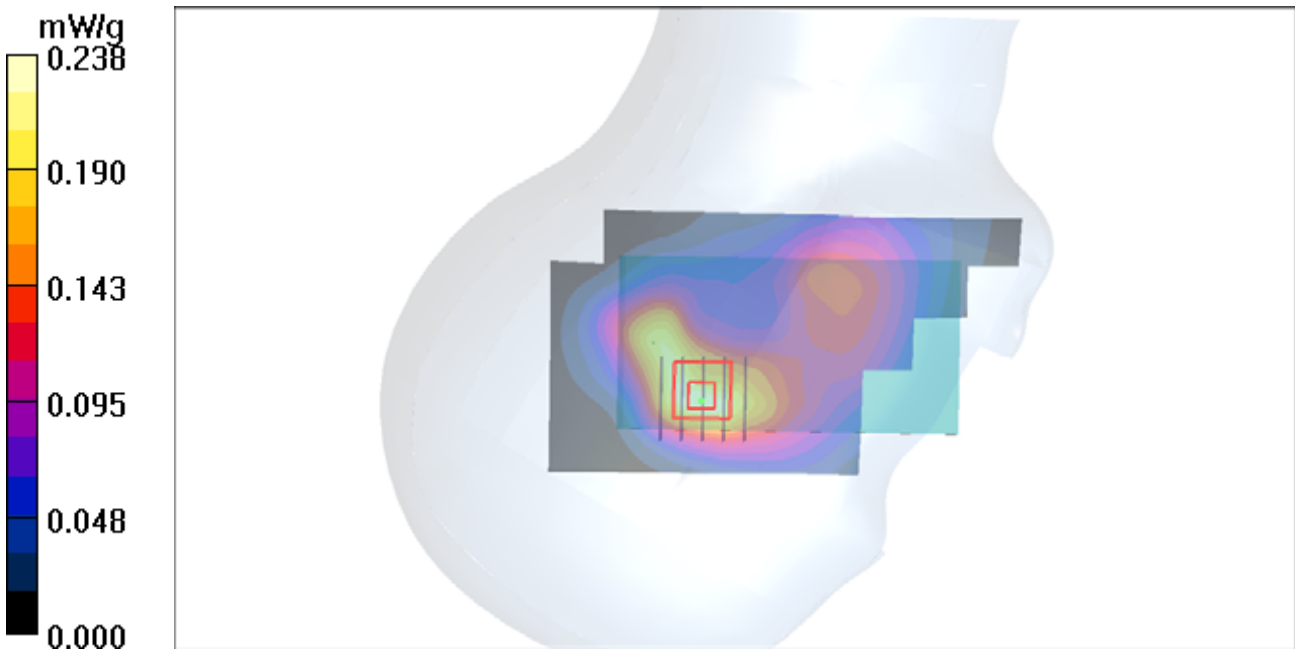
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.238 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 0.280 W/kg
**SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.117 mW/g**
Maximum value of SAR (measured) = 0.236 mW/g



## P211 LTE 2_QPSK_10M_Left Cheek_Ch18650_1RB_Offset 49

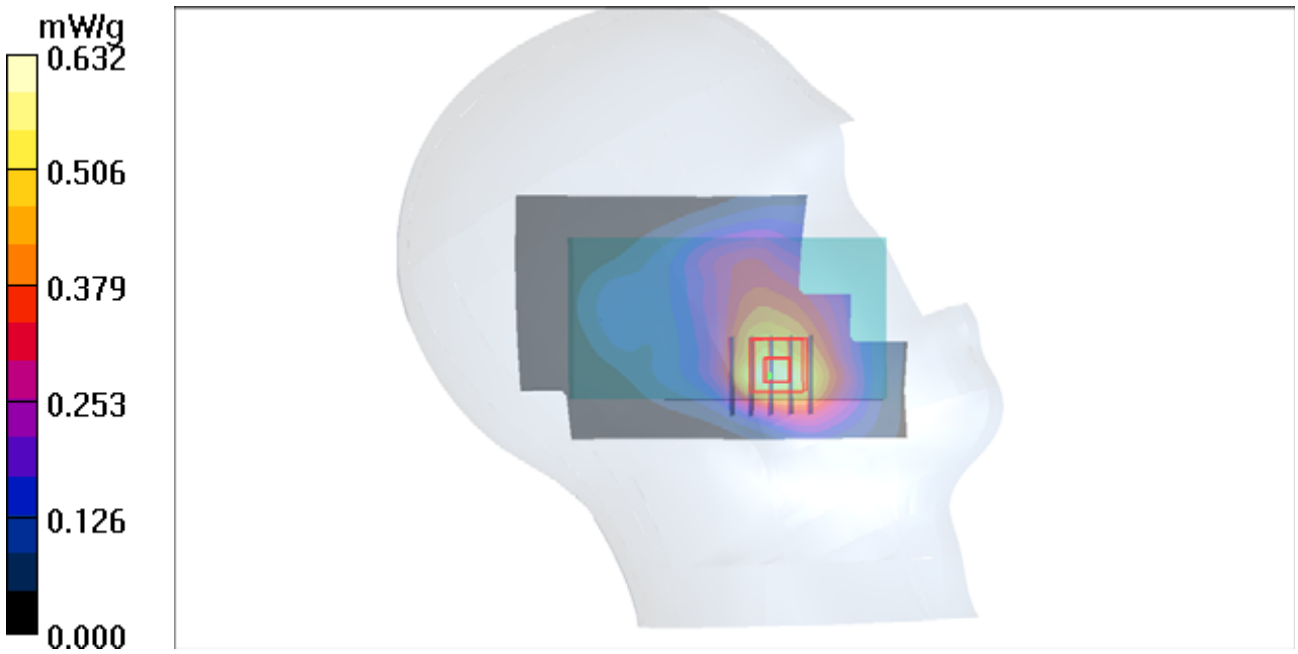
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.632 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.93 V/m; Power Drift = -0.007 dB
Peak SAR (extrapolated) = 0.722 W/kg
**SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.317 mW/g**
Maximum value of SAR (measured) = 0.607 mW/g



## P212 LTE 2_QPSK_10M_Left Tilted_Ch18650_1RB_Offset 49

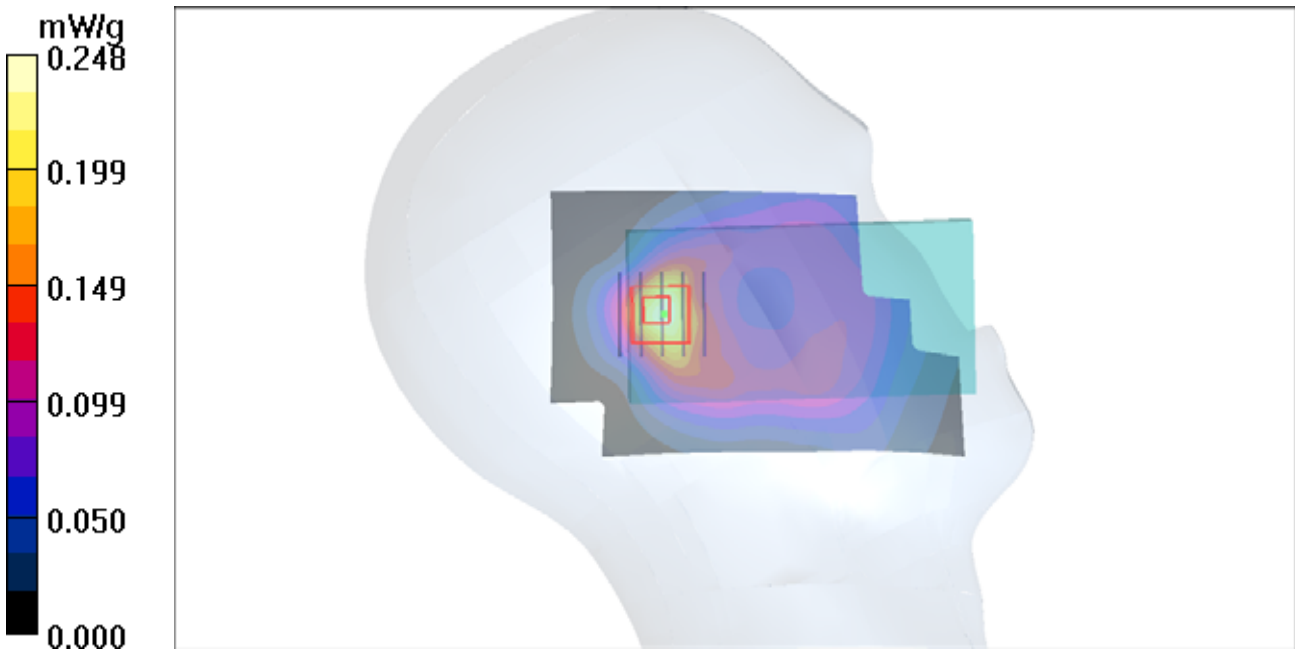
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.248 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 0.278 W/kg
**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.106 mW/g**
Maximum value of SAR (measured) = 0.228 mW/g



## P213 LTE 2_16QAM_10M_Right Cheek_Ch18650_25RB_Offset 12

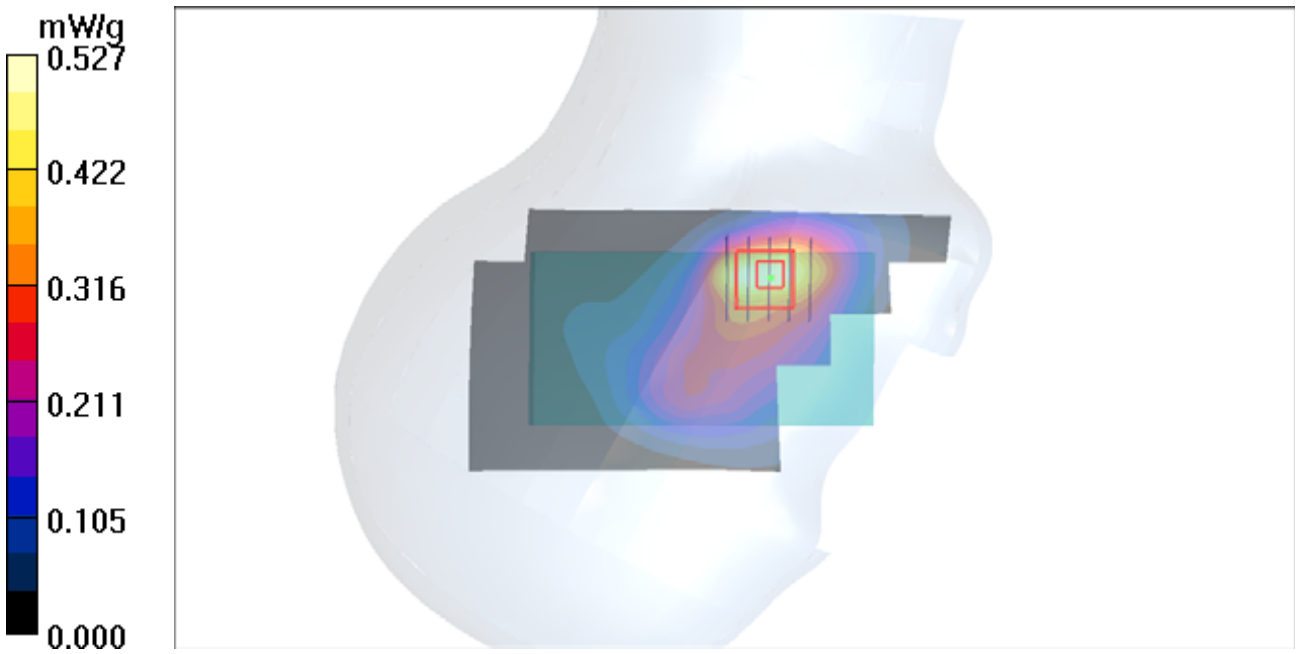
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.527 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.58 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 0.569 W/kg
**SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.235 mW/g**
Maximum value of SAR (measured) = 0.485 mW/g



## P214 LTE 2_16QAM_10M_Right Cheek_Ch18650_1RB_Offset 0

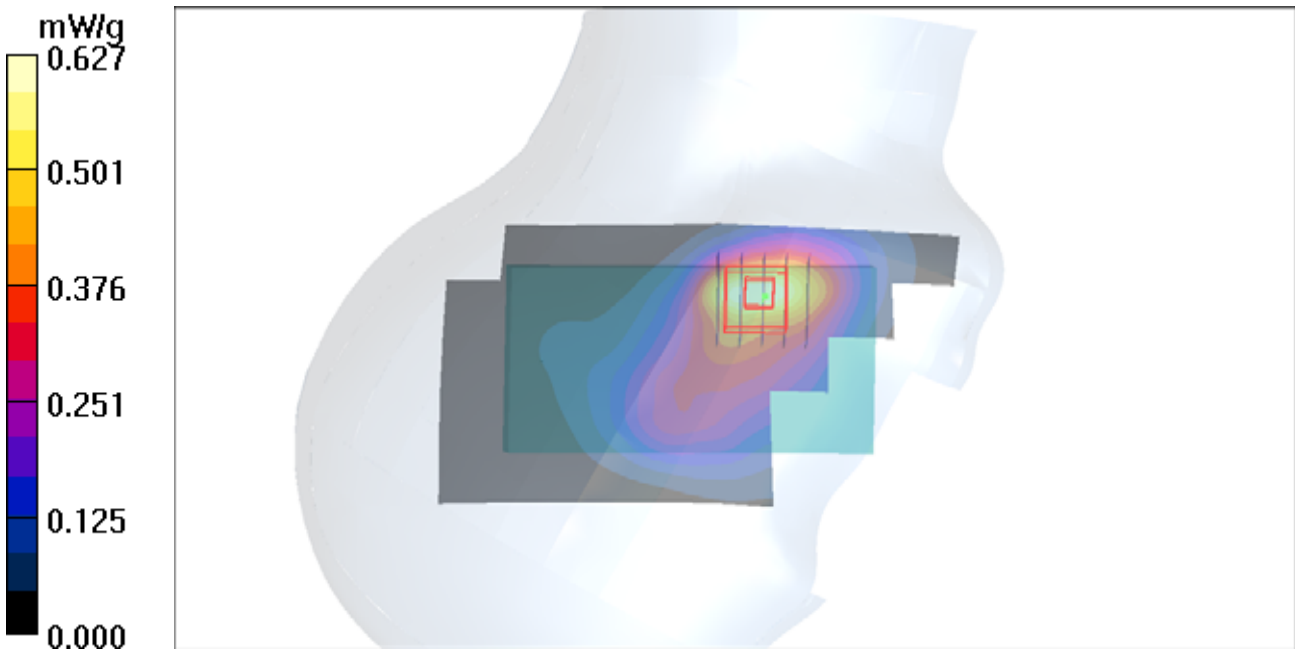
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.627 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.19 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.703 W/kg
**SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.284 mW/g**
Maximum value of SAR (measured) = 0.574 mW/g



## P215 LTE 2_16QAM_10M_Right Cheek_Ch18650_1RB_Offset 49

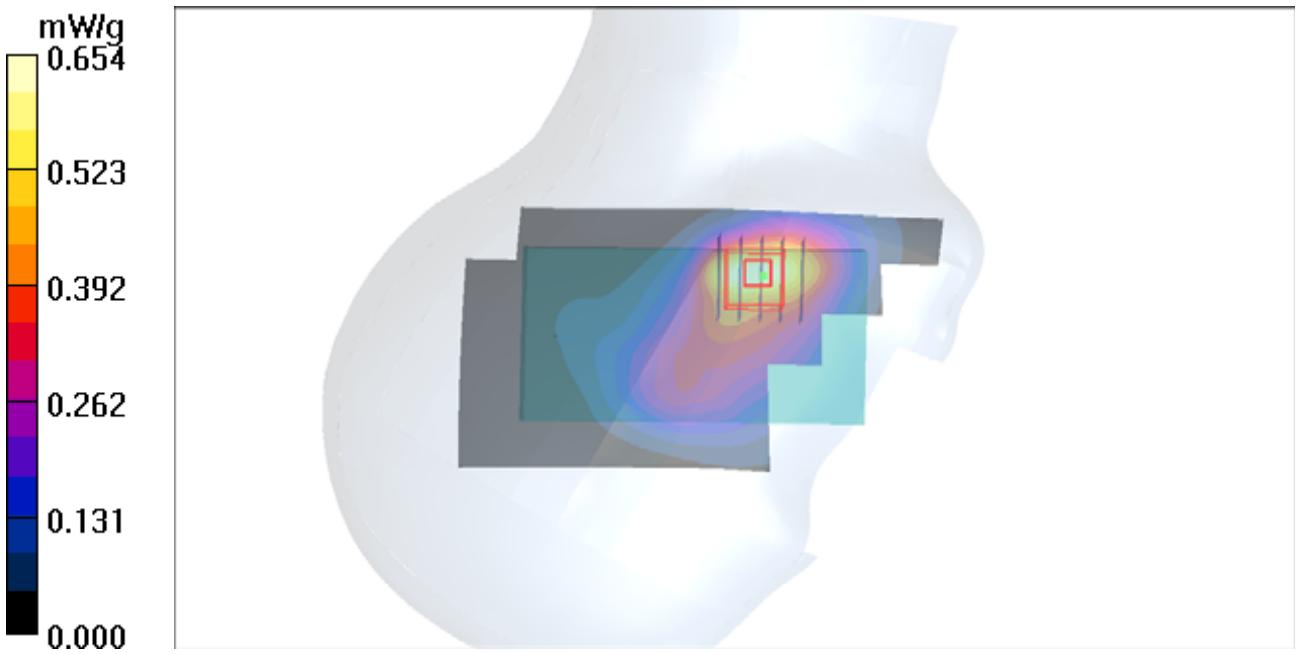
**DUT: 120710C03**

Communication System: LTE band 2; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: H1900_0725 Medium parameters used: f = 1855 MHz; $\sigma$ = 1.4 mho/m; $\varepsilon_r$ = 39.9; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.3 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- 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

**Ch18650/Area Scan (51x91x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.654 mW/g

**Ch18650/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.32 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 0.737 W/kg
**SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.300 mW/g**
Maximum value of SAR (measured) = 0.605 mW/g



## P101 802.11b_Right Cheek_Ch11

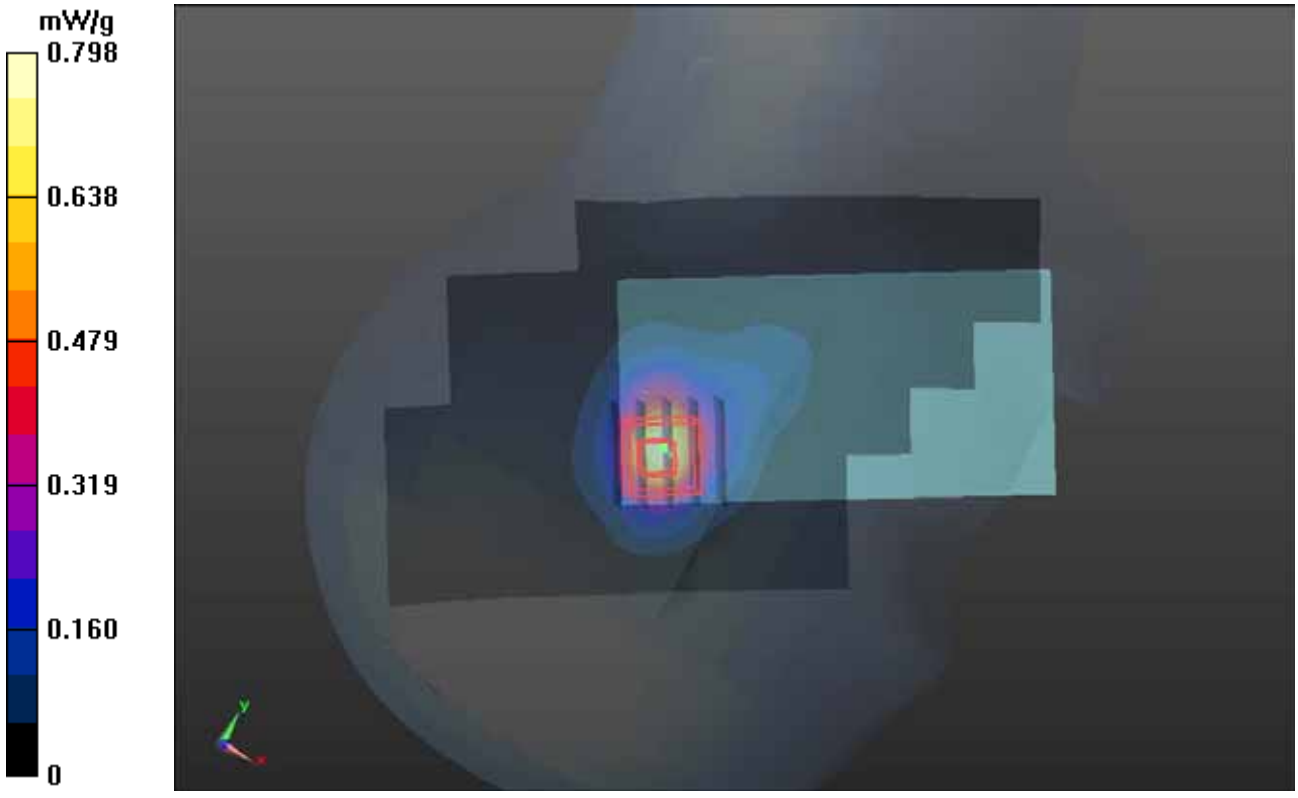
**DUT: 120710C03**

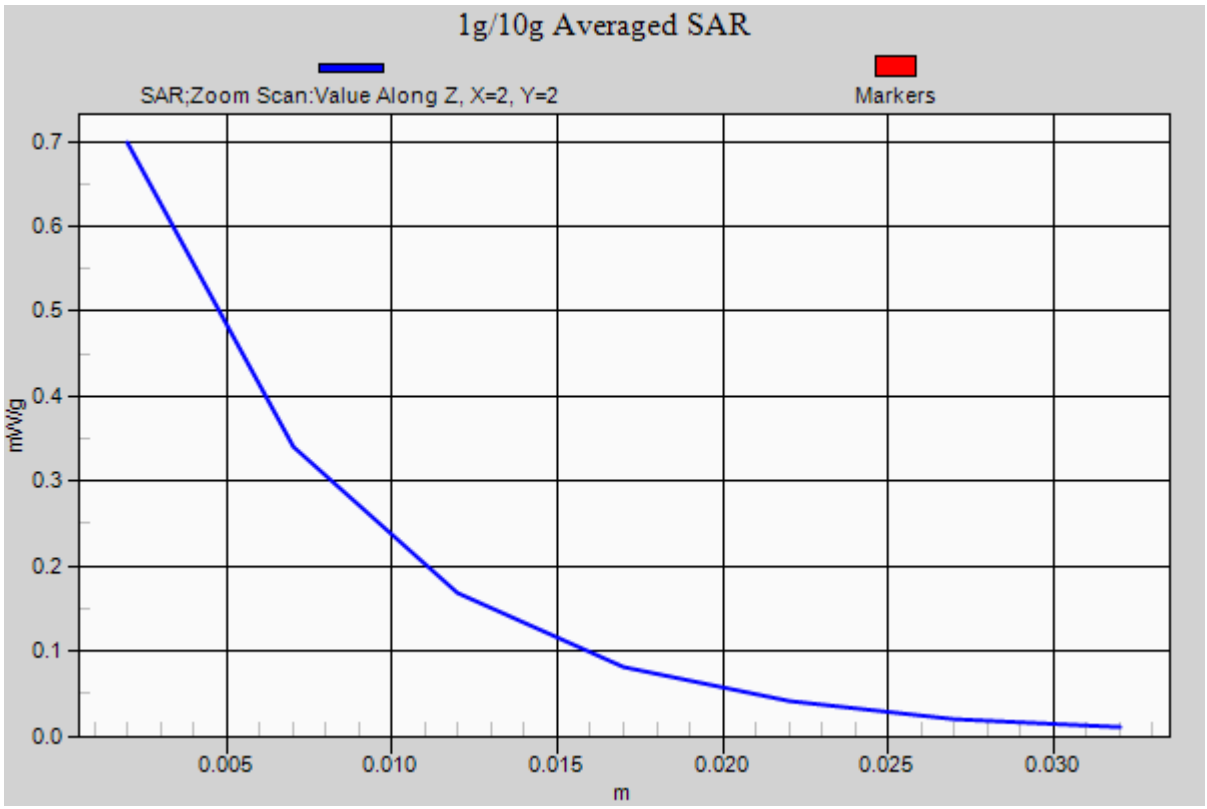
Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0726 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.806 mho/m; $\varepsilon_r$ = 40.087; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch7/Area Scan (61x111x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.798 mW/g

**Ch7/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.672 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 1.003 mW/g
**SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.239 mW/g**
Maximum value of SAR (measured) = 0.698 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

## P102 802.11b_Right Tilted_Ch11

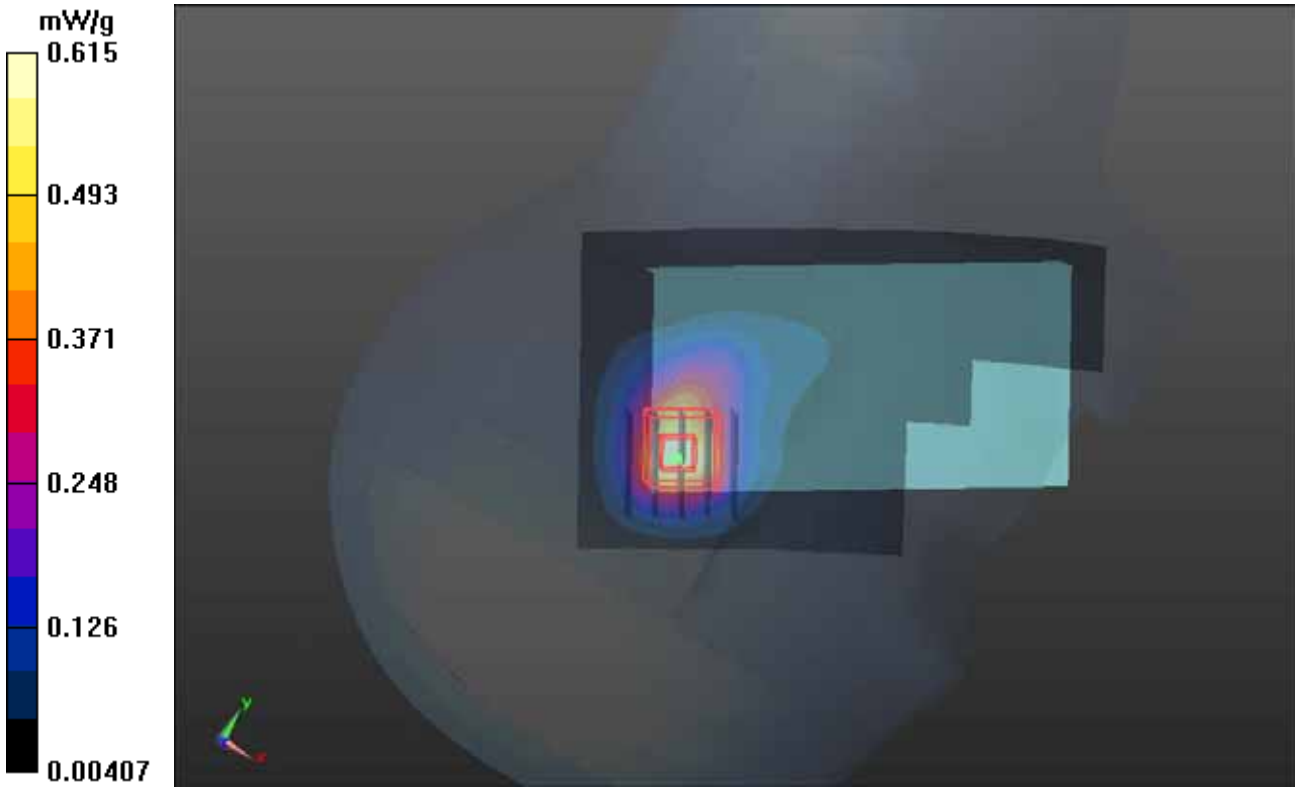
### DUT: 120710C03

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0726 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.806 mho/m; $\varepsilon_r$ = 40.087; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch7/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.678 mW/g

**Ch7/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.970 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.858 mW/g
**SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.208 mW/g**
Maximum value of SAR (measured) = 0.615 mW/g



## P103 802.11b_Left Cheek_Ch11

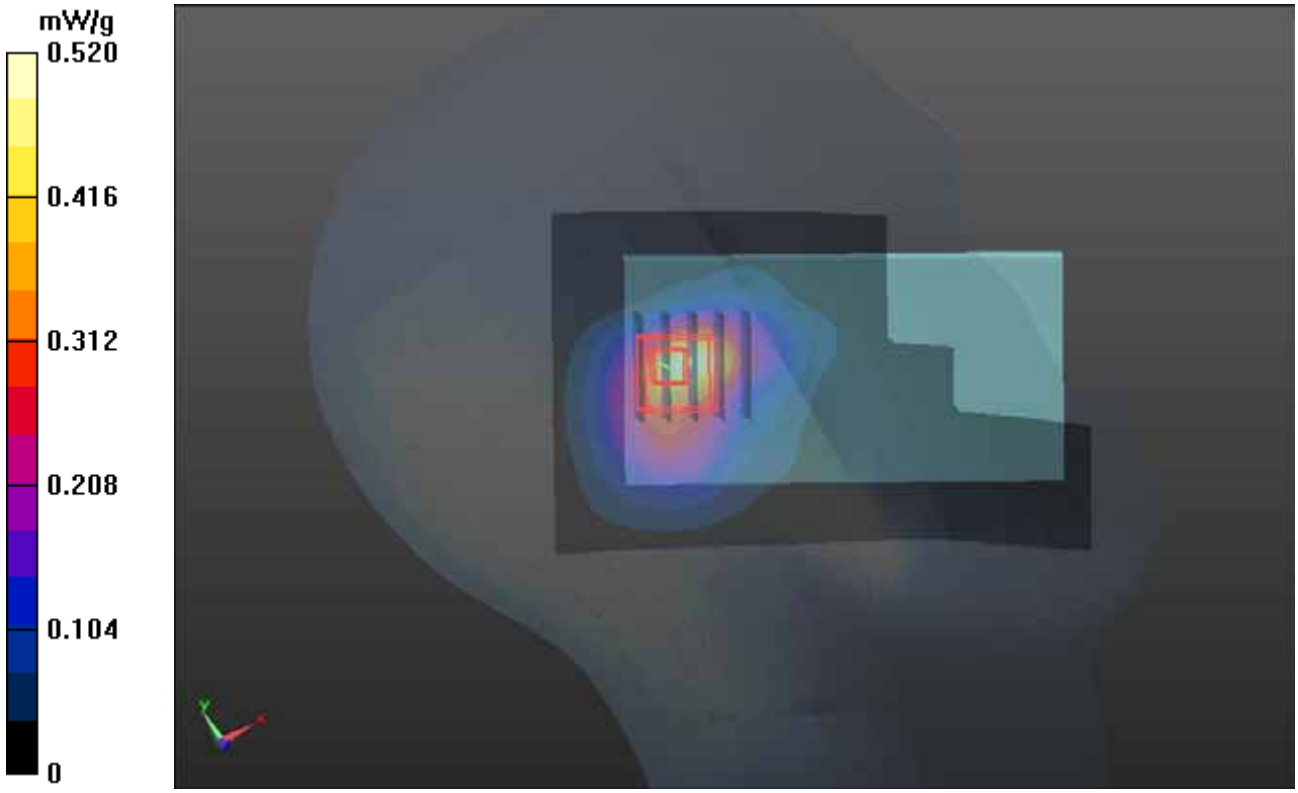
**DUT: 120710C03**

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0726 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.806 mho/m; $\varepsilon_r$ = 40.087; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch7/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.520 mW/g

**Ch7/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.425 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.676 mW/g
**SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.182 mW/g**
Maximum value of SAR (measured) = 0.503 mW/g



## P104 802.11b_Left Tilted_Ch11

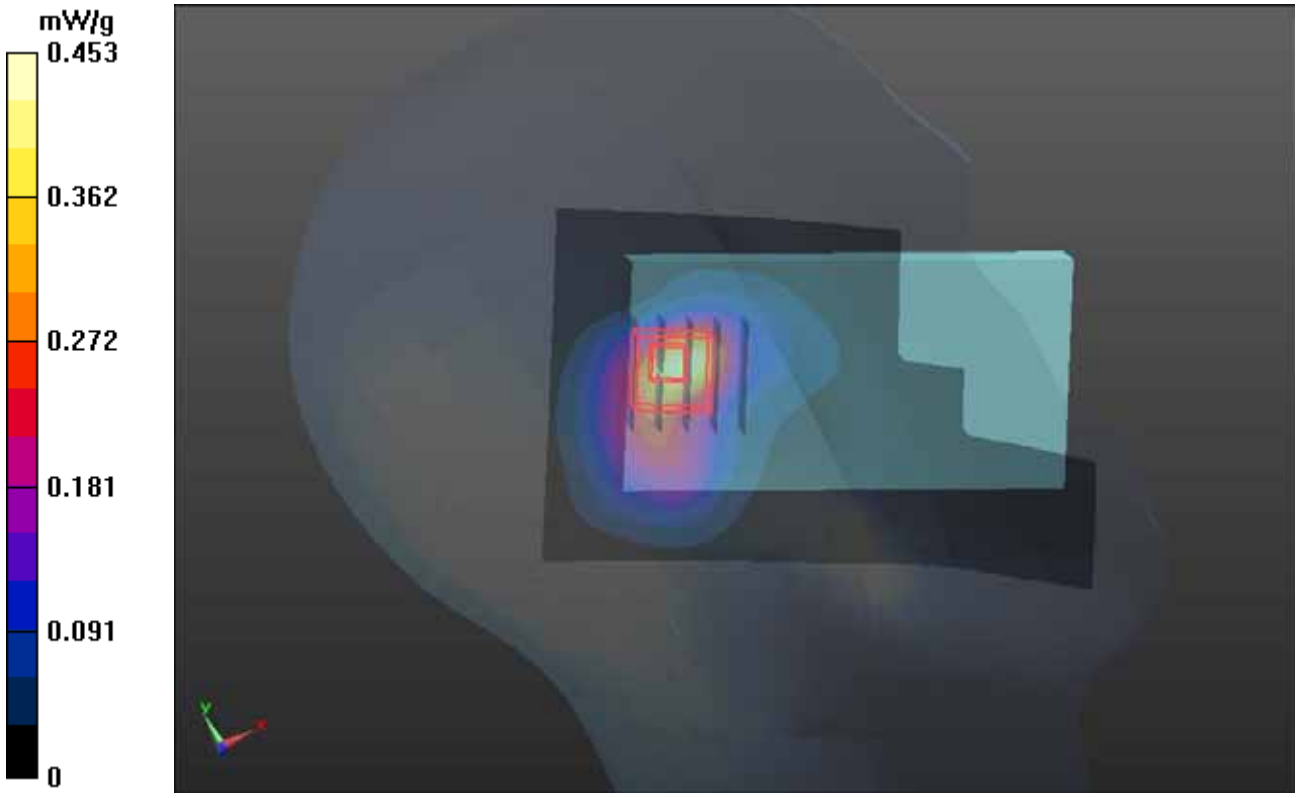
### DUT: 120710C03

Communication System: WLAN 2450; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0726 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.806 mho/m; $\varepsilon_r$ = 40.087; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.4 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch7/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.453 mW/g

**Ch7/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.257 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.639 mW/g
**SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.158 mW/g**
Maximum value of SAR (measured) = 0.458 mW/g



## P105 802.11n_HT20_Right Cheek_Ch48

**DUT: 120710C03**

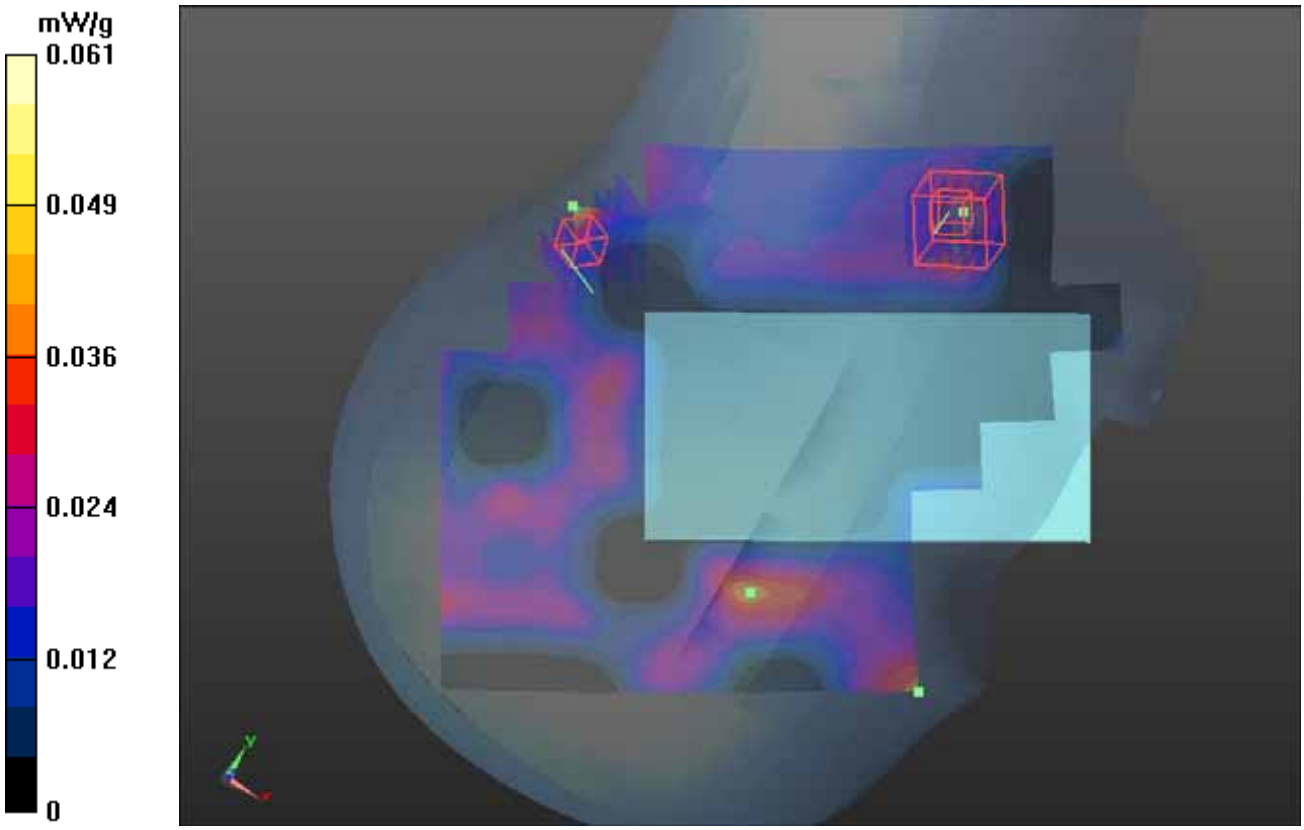
Communication System: WLAN 5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5240 MHz; $\sigma$ = 4.735 mho/m; $\varepsilon_r$ = 36.912; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

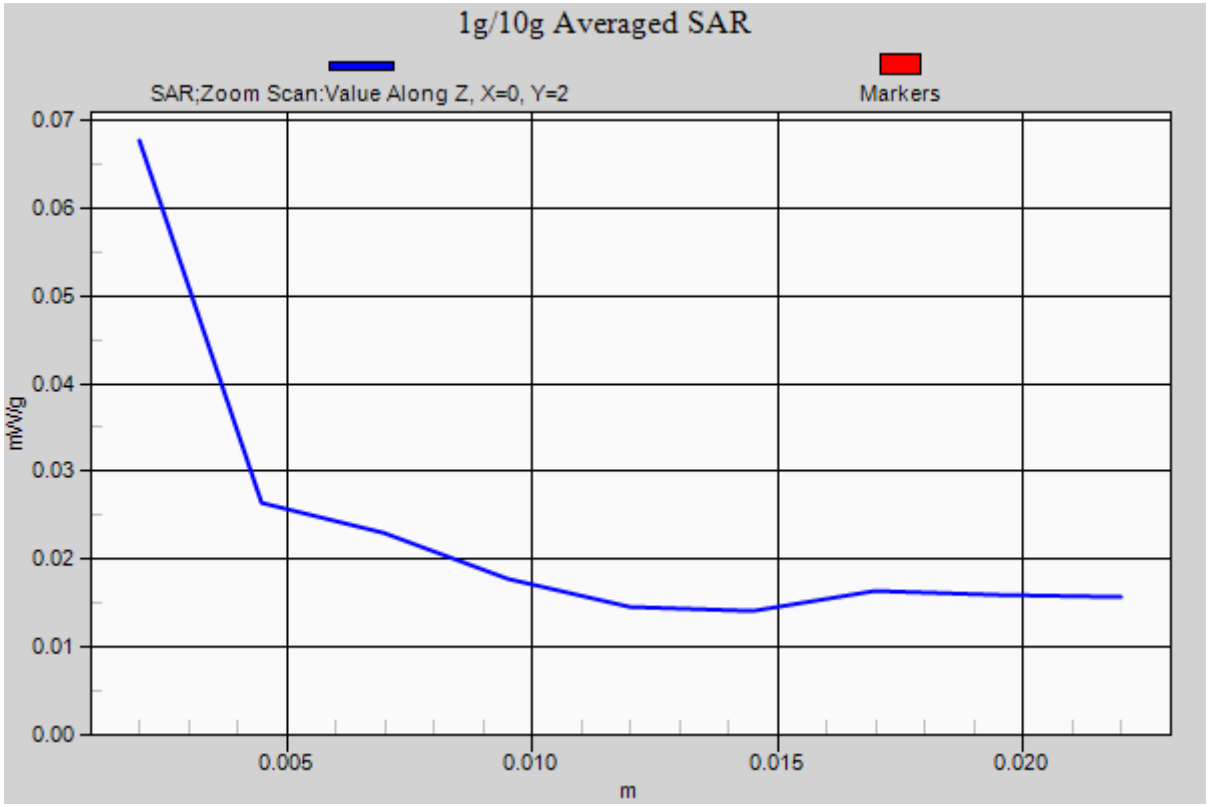
DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.05, 5.05, 5.05); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch48/Area Scan (161x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0607 mW/g

**Ch48/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.239 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.112 mW/g
**SAR(1 g) = 0.026 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0677 mW/g

**Ch48/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.239 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.134 mW/g
**SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.015 mW/g**
Maximum value of SAR (measured) = 0.0633 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=0, Y=2
Markers
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
mW/g
0.005
0.010
0.015
0.020
m

## P106 802.11n_HT20_Right Tilted_Ch48

**DUT: 120710C03**

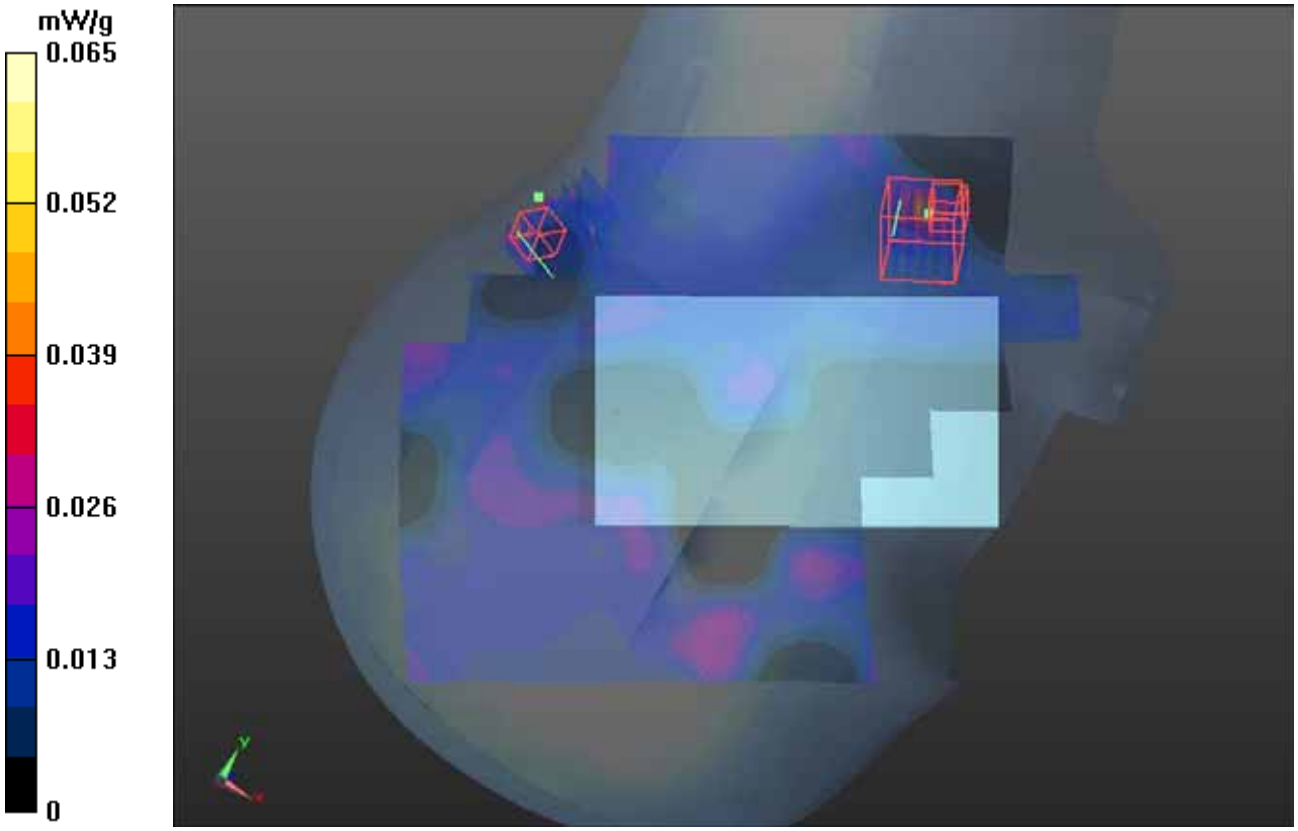
Communication System: WLAN 5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5240 MHz; $\sigma$ = 4.735 mho/m; $\varepsilon_r$ = 36.912; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.05, 5.05, 5.05); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch48/Area Scan (161x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0650 mW/g

**Ch48/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.127 mW/g
**SAR(1 g) = 0.022 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0672 mW/g

**Ch48/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.100 mW/g
**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.014 mW/g**
Maximum value of SAR (measured) = 0.0516 mW/g



## P107 802.11n_HT20_Left Cheek_Ch48

### DUT: 120710C03

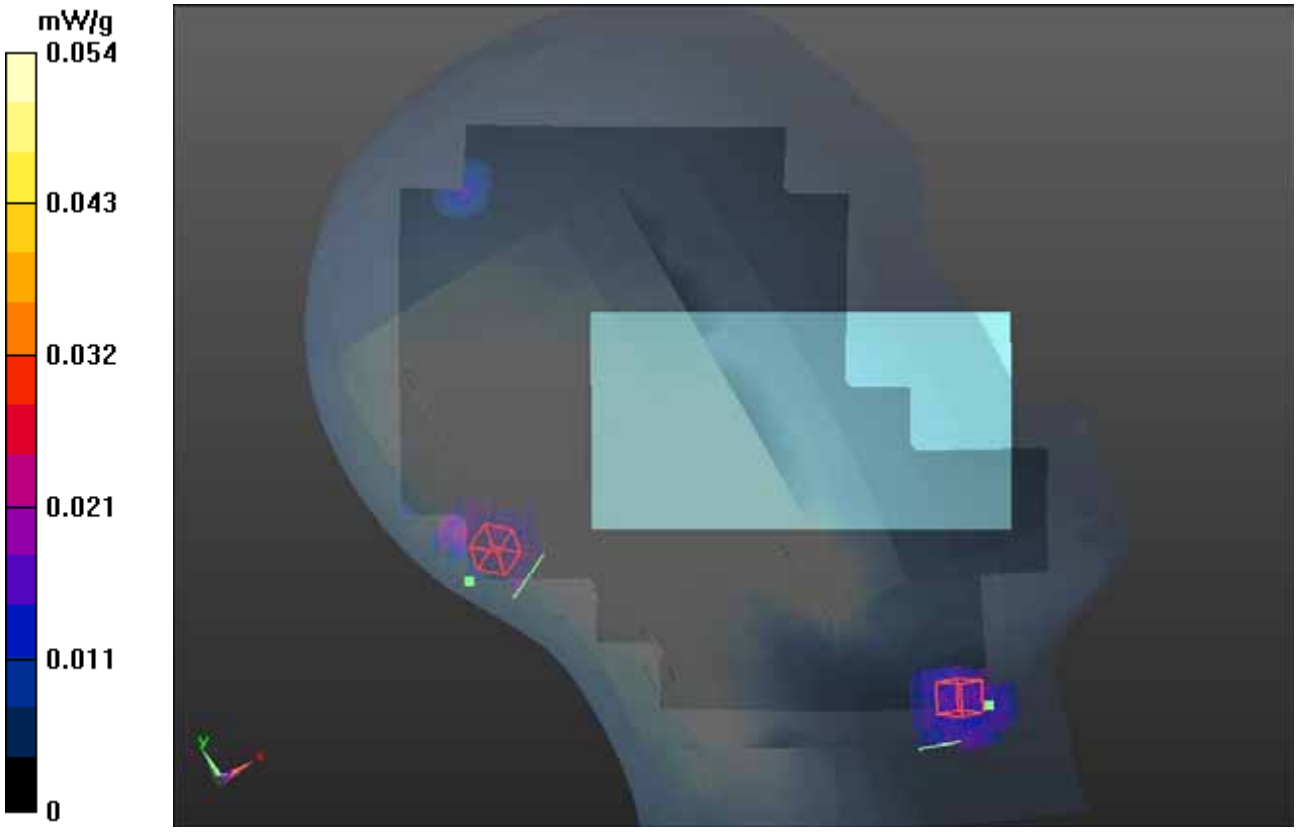
Communication System: WLAN 5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5240 MHz; $\sigma$ = 4.735 mho/m; $\varepsilon_r$ = 36.912; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.05, 5.05, 5.05); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch48/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0535 mW/g

**Ch48/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.360 V/m; Power Drift = 0.124 dB
Peak SAR (extrapolated) = 1.550 mW/g
**SAR(1 g) = 0.018 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0447 mW/g

**Ch48/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.360 V/m; Power Drift = 0.124 dB
Peak SAR (extrapolated) = 0.103 mW/g
**SAR(1 g) = 0.016 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0491 mW/g



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/07/25

## P108 802.11n_HT20_Left Tilted_Ch48

### DUT: 120710C03

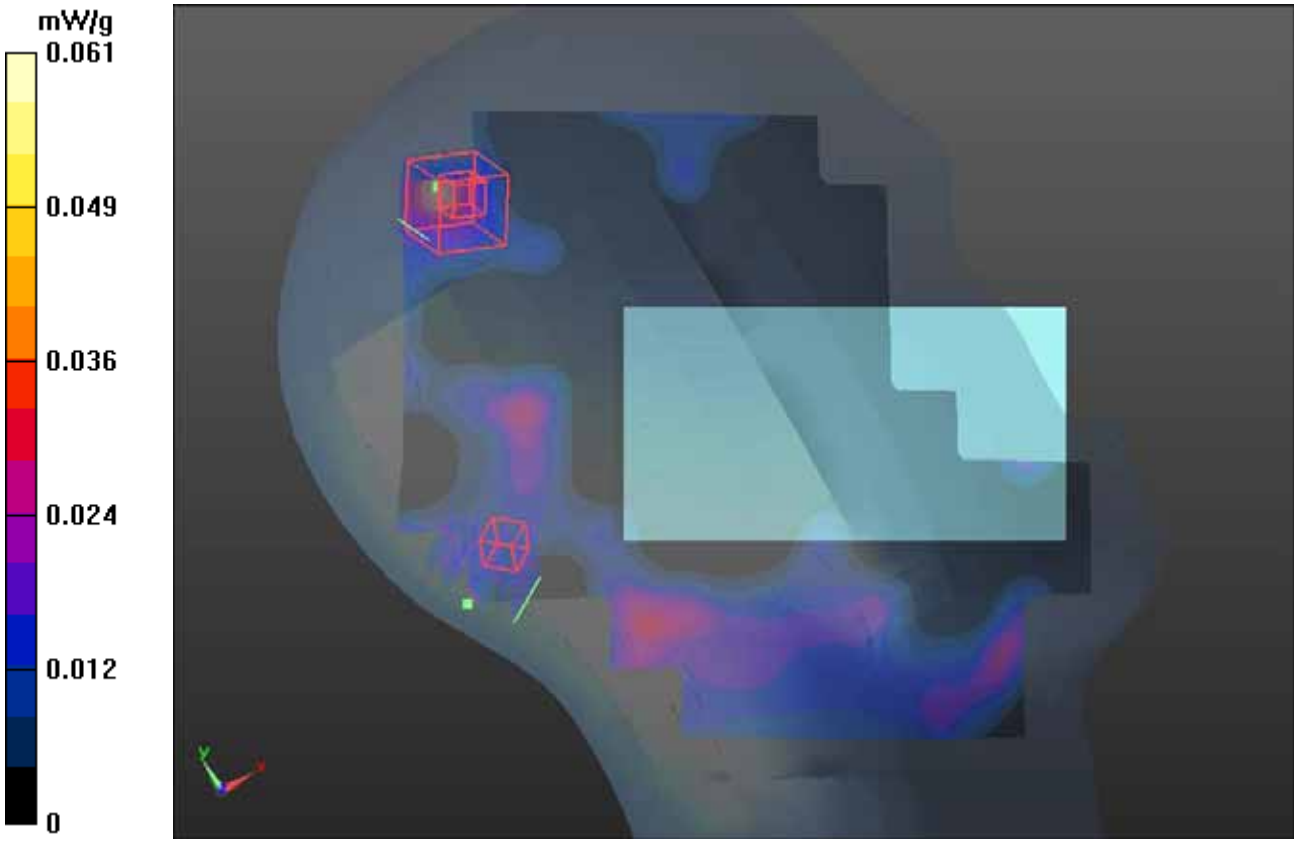
Communication System: WLAN 5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5240 MHz; $\sigma$ = 4.735 mho/m; $\varepsilon_r$ = 36.912; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.05, 5.05, 5.05); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch48/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0607 mW/g

**Ch48/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.795 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 0.038 mW/g
**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.014 mW/g**
Maximum value of SAR (measured) = 0.0280 mW/g

**Ch48/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.795 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 0.111 mW/g
**SAR(1 g) = 0.014 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0348 mW/g



## P109 802.11n_HT20_Right Cheek_Ch64

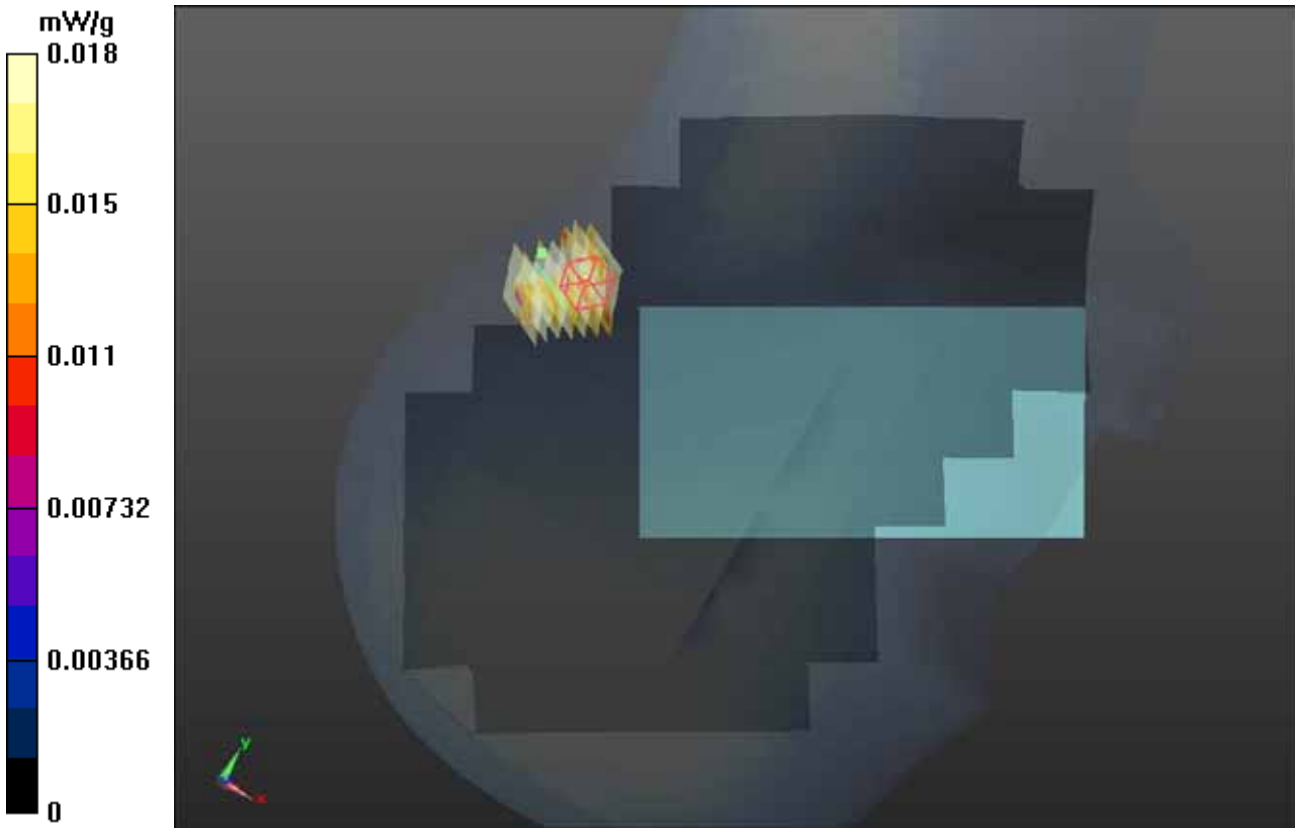
**DUT: 120710C03**

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5320 MHz; $\sigma$ = 4.835 mho/m; $\varepsilon_r$ = 36.739; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.71, 4.71, 4.71); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch64/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0183 mW/g

**Ch64/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.734 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 0.051 mW/g
**SAR(1 g) = 0.020 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0322 mW/g



## P110 802.11n_HT20_Right Tilted_Ch64

**DUT: 120710C03**

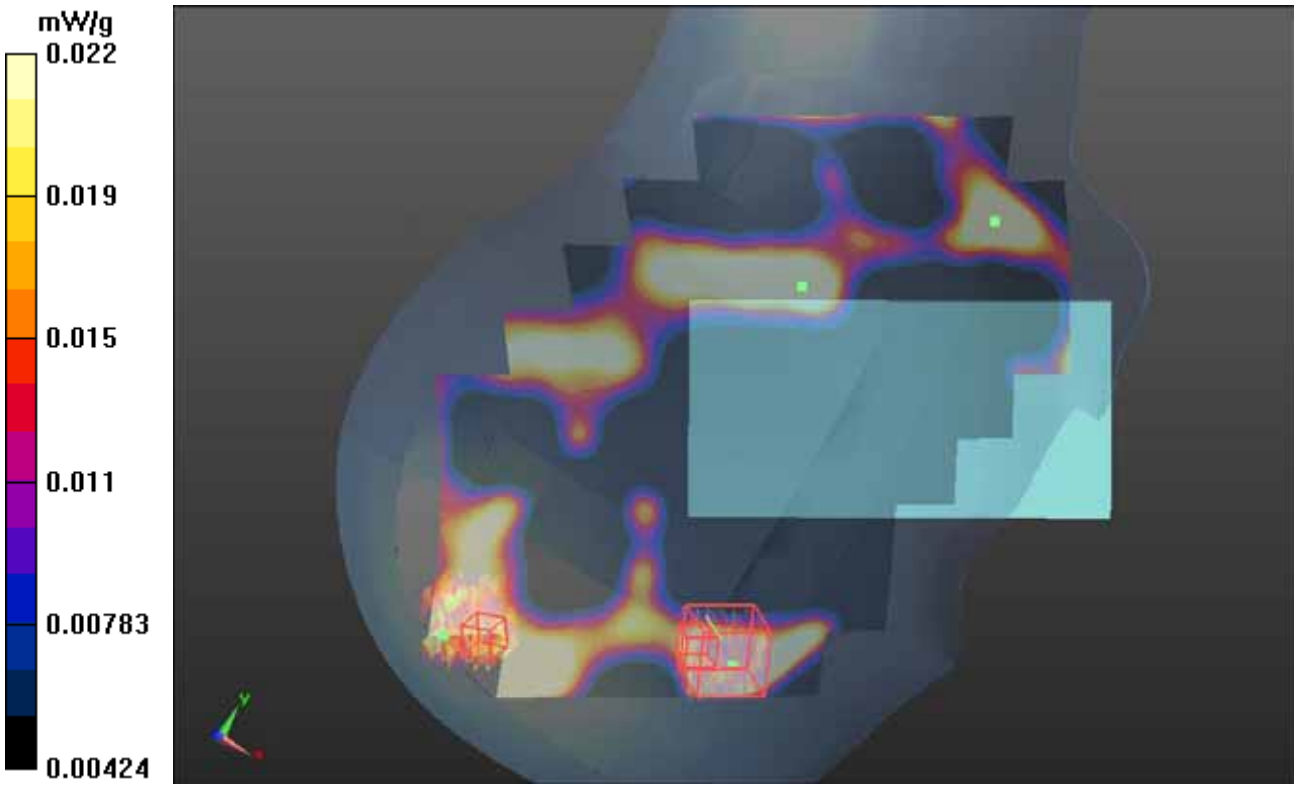
Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5320 MHz; $\sigma$ = 4.835 mho/m; $\varepsilon_r$ = 36.739; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.71, 4.71, 4.71); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch64/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0599 mW/g

**Ch64/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.092 mW/g
**SAR(1 g) = 0.017 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0599 mW/g

**Ch64/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.047 mW/g
**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.012 mW/g**
Maximum value of SAR (measured) = 0.0222 mW/g



## P111 802.11n_HT20_Left Cheek_Ch64

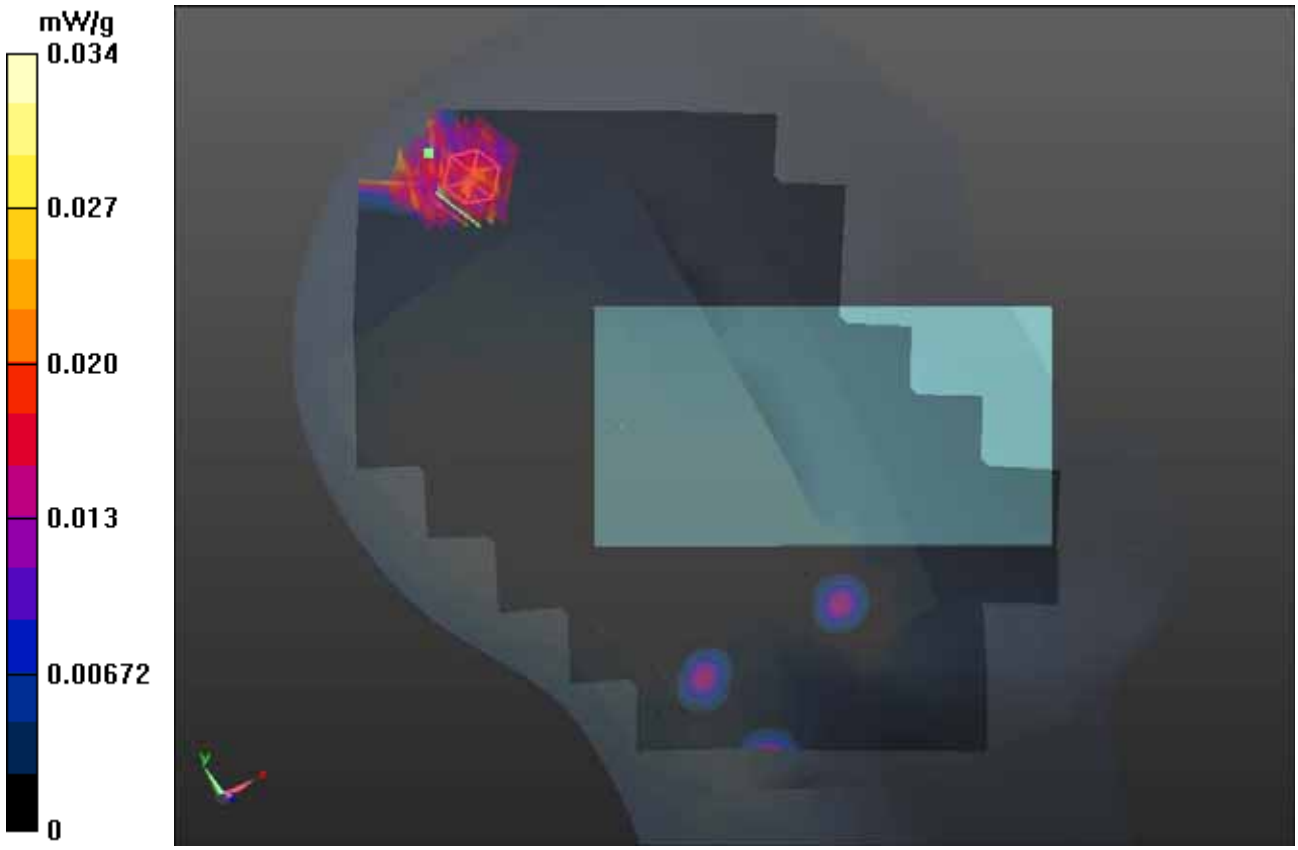
**DUT: 120710C03**

Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5320 MHz; $\sigma$ = 4.835 mho/m; $\varepsilon_r$ = 36.739; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.71, 4.71, 4.71); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch64/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0336 mW/g

**Ch64/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.896 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.040 mW/g
**SAR(1 g) = 0.018 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0352 mW/g



## P112 802.11n_HT20_Left Tilted_Ch64

**DUT: 120710C03**

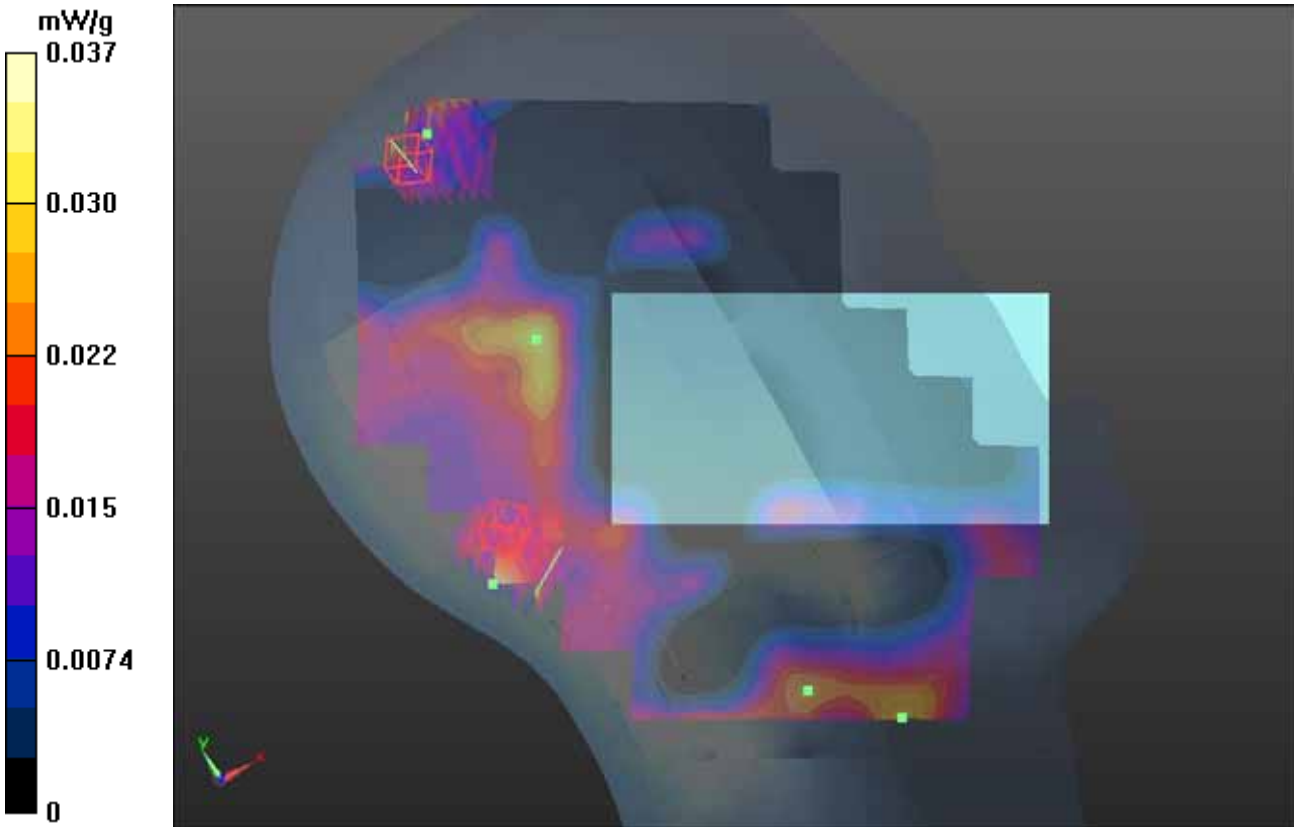
Communication System: WLAN 5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5320 MHz; $\sigma$ = 4.835 mho/m; $\varepsilon_r$ = 36.739; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.71, 4.71, 4.71); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch64/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0370 mW/g

**Ch64/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.202 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.254 mW/g
**SAR(1 g) = 0.019 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0302 mW/g

**Ch64/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.202 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.169 mW/g
**SAR(1 g) = 0.016 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0443 mW/g



## P113 802.11n_HT20_Right Cheek_Ch116

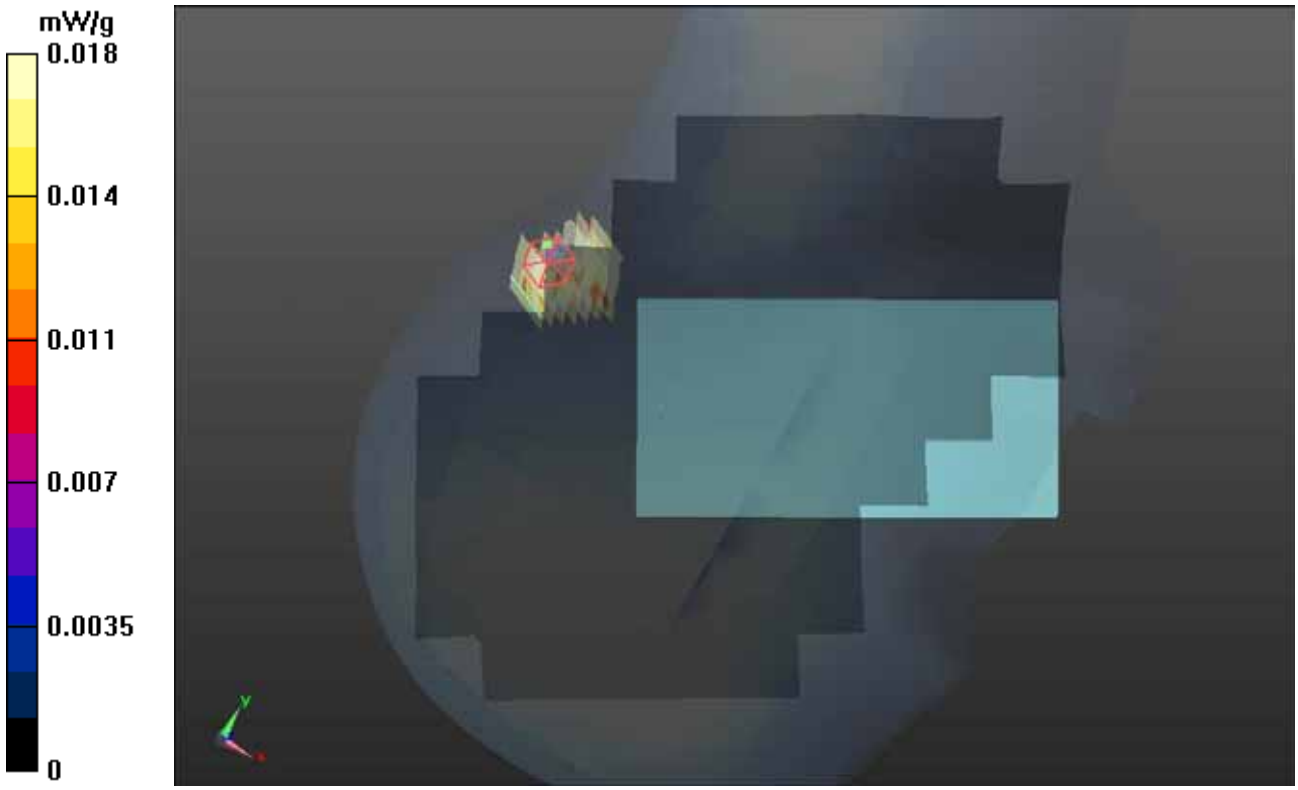
**DUT: 120710C03**

Communication System: WLAN 5G; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5580 MHz; $\sigma$ = 5.154 mho/m; $\varepsilon_r$ = 36.169; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.42, 4.42, 4.42); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch116/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0175 mW/g

**Ch116/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.630 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.081 mW/g
**SAR(1 g) = 0.00299 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0362 mW/g



## P114 802.11n_HT20_Right Tilted_Ch116

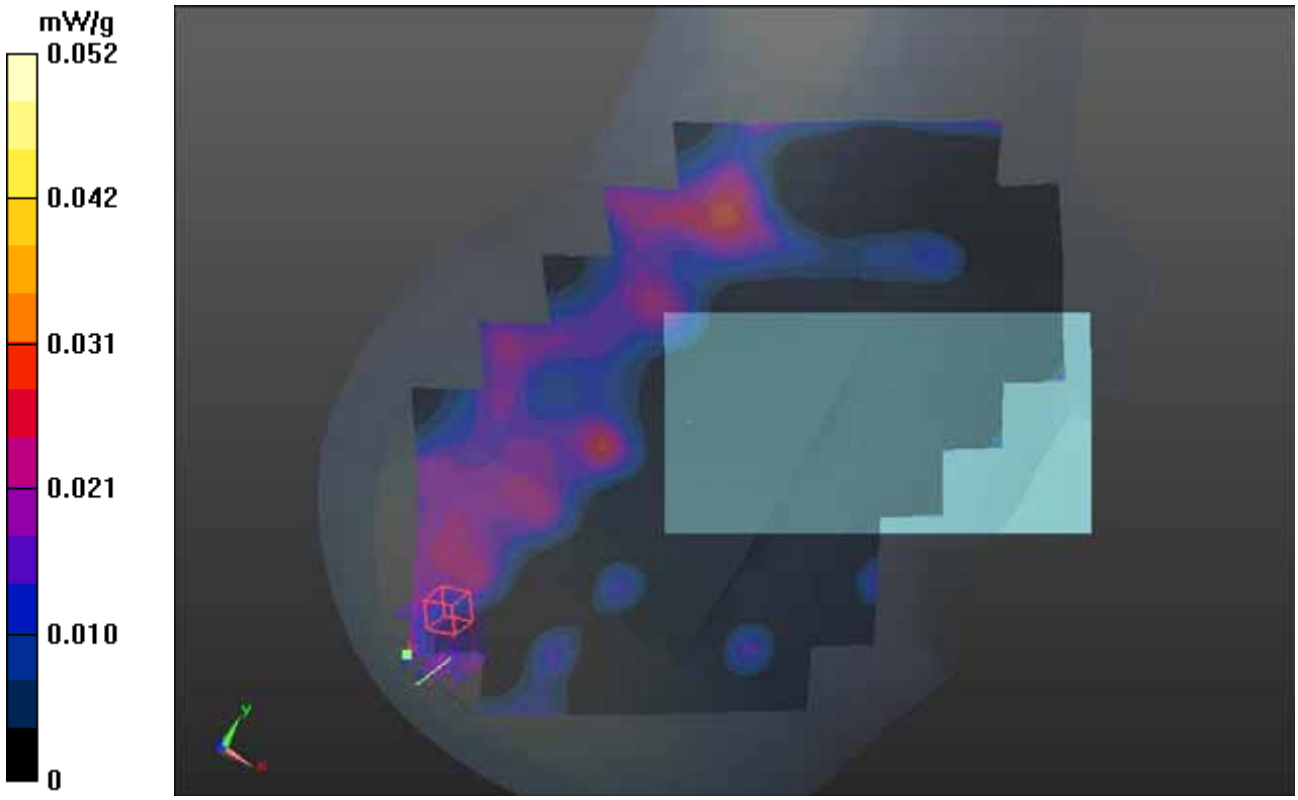
**DUT: 120710C03**

Communication System: WLAN 5G; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5580 MHz; $\sigma$ = 5.154 mho/m; $\varepsilon_r$ = 36.169; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.42, 4.42, 4.42); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch116/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0525 mW/g

**Ch116/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.101 mW/g
**SAR(1 g) = 0.015 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0445 mW/g



## P115 802.11n_HT20_Left Cheek_Ch116

**DUT: 120710C03**

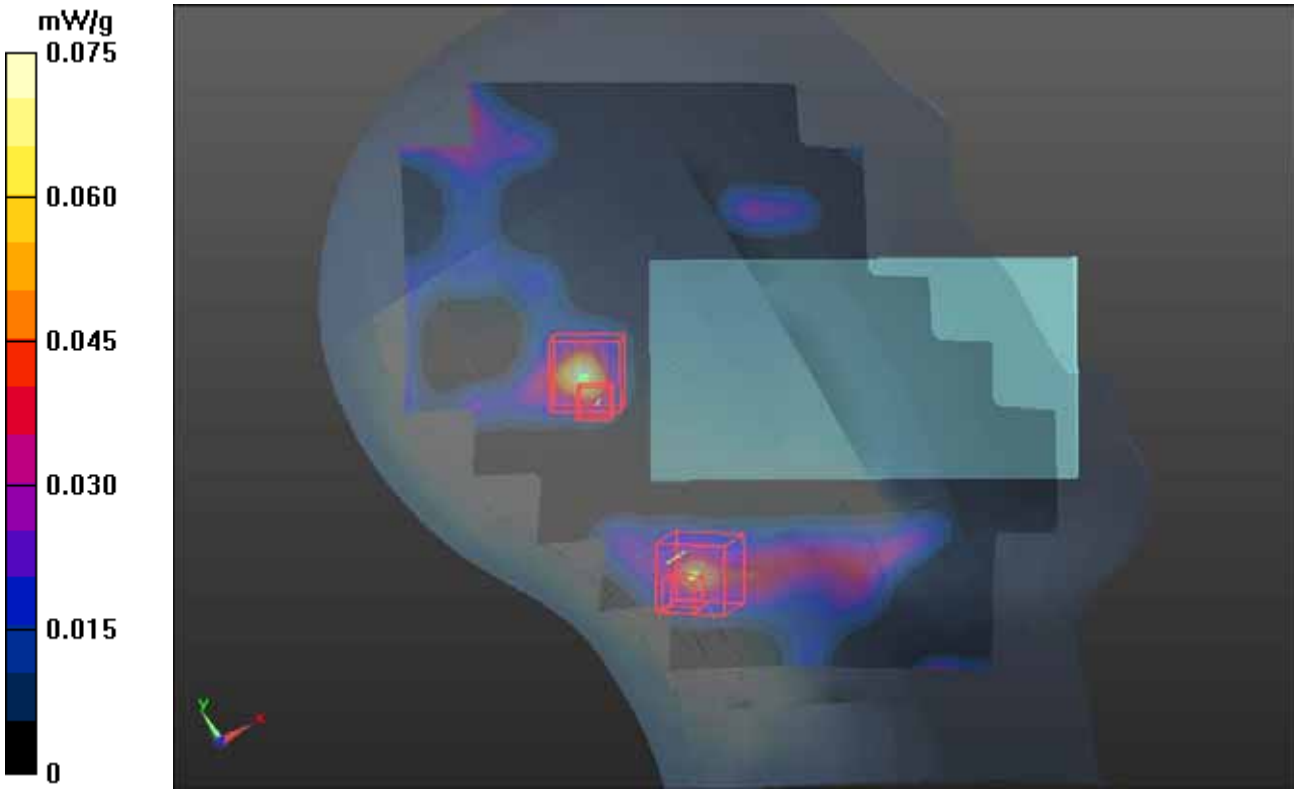
Communication System: WLAN 5G; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5580 MHz; $\sigma$ = 5.154 mho/m; $\varepsilon_r$ = 36.169; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.42, 4.42, 4.42); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch116/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0752 mW/g

**Ch116/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.116 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 0.038 mW/g
**SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.019 mW/g**
Maximum value of SAR (measured) = 0.0335 mW/g

**Ch116/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.116 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 0.044 mW/g
**SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.016 mW/g**
Maximum value of SAR (measured) = 0.0284 mW/g



## P116 802.11n_HT20_Left Tilted_Ch116

**DUT: 120710C03**

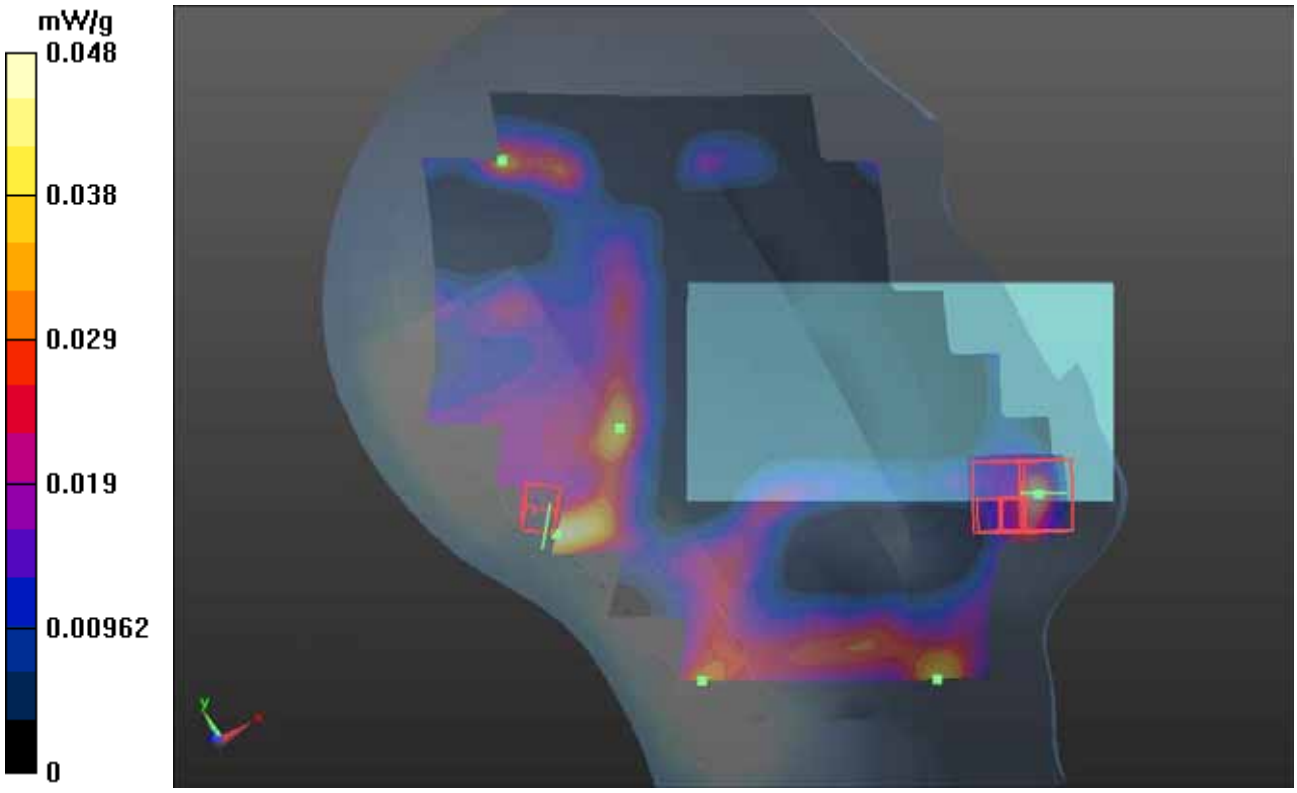
Communication System: WLAN 5G; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5580 MHz; $\sigma$ = 5.154 mho/m; $\varepsilon_r$ = 36.169; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.42, 4.42, 4.42); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch116/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0481 mW/g

**Ch116/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.172 V/m; Power Drift = 0.175 dB
Peak SAR (extrapolated) = 0.225 mW/g
**SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00994 mW/g**
Maximum value of SAR (measured) = 0.225 mW/g

**Ch116/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.172 V/m; Power Drift = 0.175 dB
Peak SAR (extrapolated) = 0.105 mW/g
**SAR(1 g) = 0.00237 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.105 mW/g



## P117 802.11n_HT40_Right Cheek_Ch151

**DUT: 120710C03**

Communication System: WLAN 5G; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5755 MHz; $\sigma$ = 5.368 mho/m; $\varepsilon_r$ = 35.838; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.3, 4.3, 4.3); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch151/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0489 mW/g

**Ch151/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.100 dB
Peak SAR (extrapolated) = 0.044 mW/g
**SAR(1 g) = 0.021 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0435 mW/g

## P118 802.11n_HT40_Right Tilted_Ch151

**DUT: 120710C03**

Communication System: WLAN 5G; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5755 MHz; $\sigma$ = 5.368 mho/m; $\varepsilon_r$ = 35.838; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.3, 4.3, 4.3); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch151/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0420 mW/g

**Ch151/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.101 V/m; Power Drift = 0.125 dB
Peak SAR (extrapolated) = 0.098 mW/g
**SAR(1 g) = 0.018 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0324 mW/g

## P119 802.11n_HT40_Left Cheek_Ch151

**DUT: 120710C03**

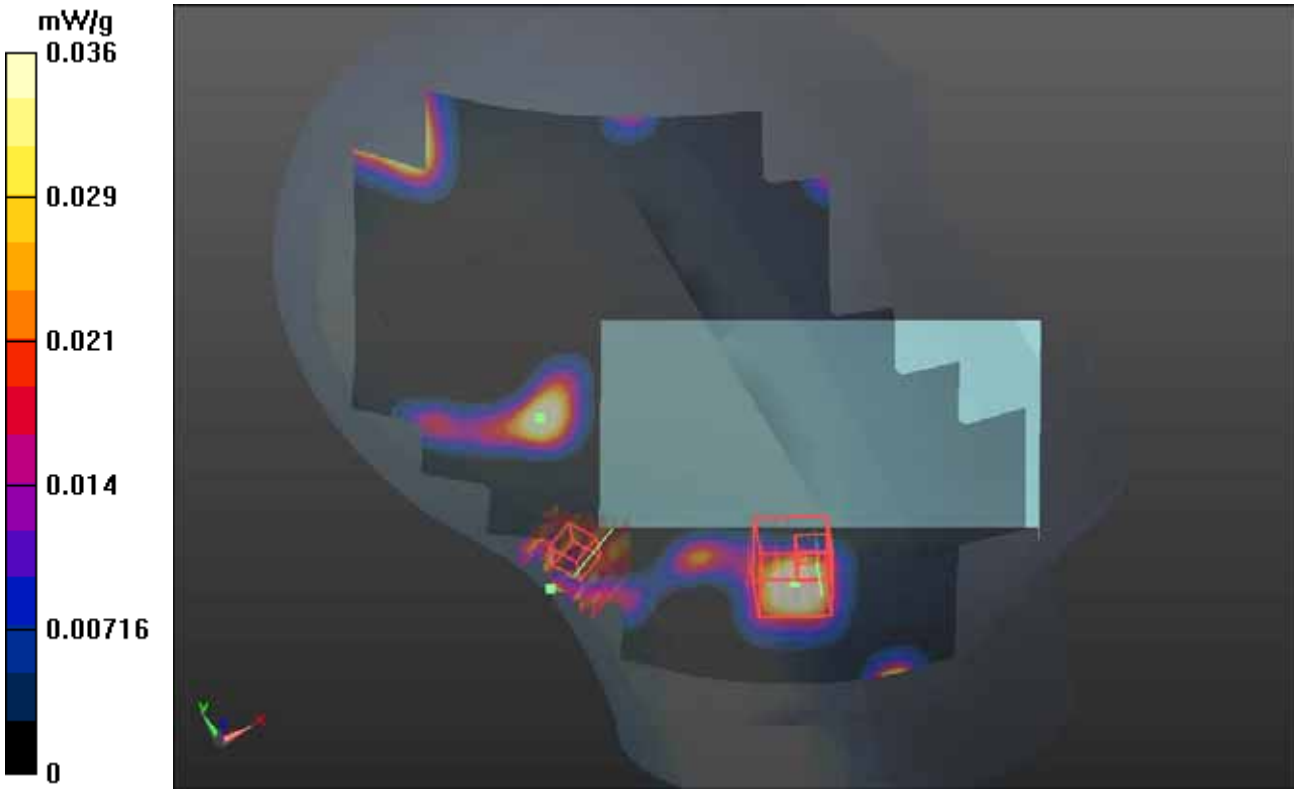
Communication System: WLAN 5G; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5755 MHz; $\sigma$ = 5.368 mho/m; $\varepsilon_r$ = 35.838; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.3, 4.3, 4.3); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch116/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0624 mW/g

**Ch116/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.723 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.061 mW/g
**SAR(1 g) = 0.022 mW/g; SAR(10 g) = n.a.**
Maximum value of SAR (measured) = 0.0358 mW/g

**Ch116/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.723 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 1.747 mW/g
**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00173 mW/g**
Maximum value of SAR (measured) = 0.762 mW/g



## P120 802.11n_HT40_Left Tilted_Ch151

**DUT: 120710C03**

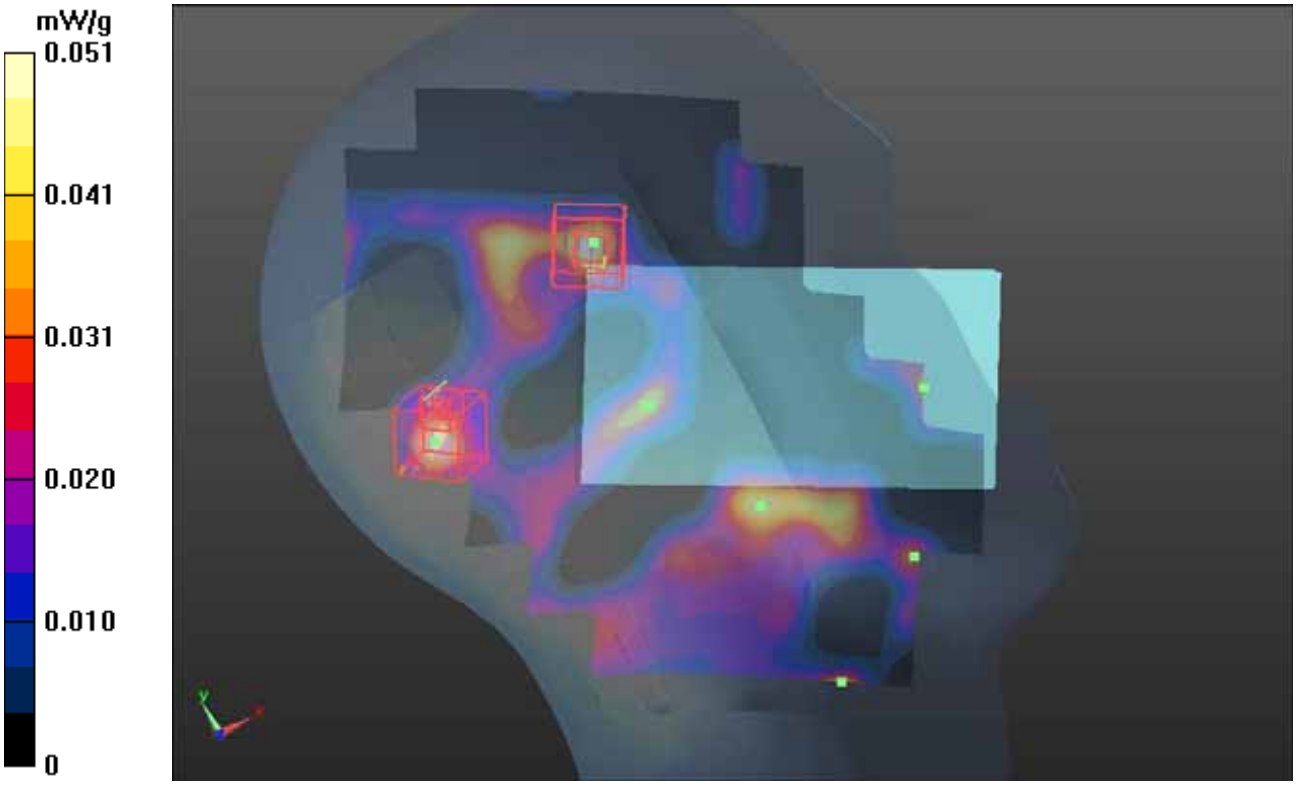
Communication System: WLAN 5G; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium: H5G_0725 Medium parameters used: f = 5755 MHz; $\sigma$ = 5.368 mho/m; $\varepsilon_r$ = 35.838; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.7 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.3, 4.3, 4.3); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch151/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0510 mW/g

**Ch151/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.228 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.592 mW/g
**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.014 mW/g**
Maximum value of SAR (measured) = 0.592 mW/g

**Ch151/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.228 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.037 mW/g
**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.013 mW/g**
Maximum value of SAR (measured) = 0.0290 mW/g



## P40 GSM850_GPRS10_Front Face _1cm_Ch189

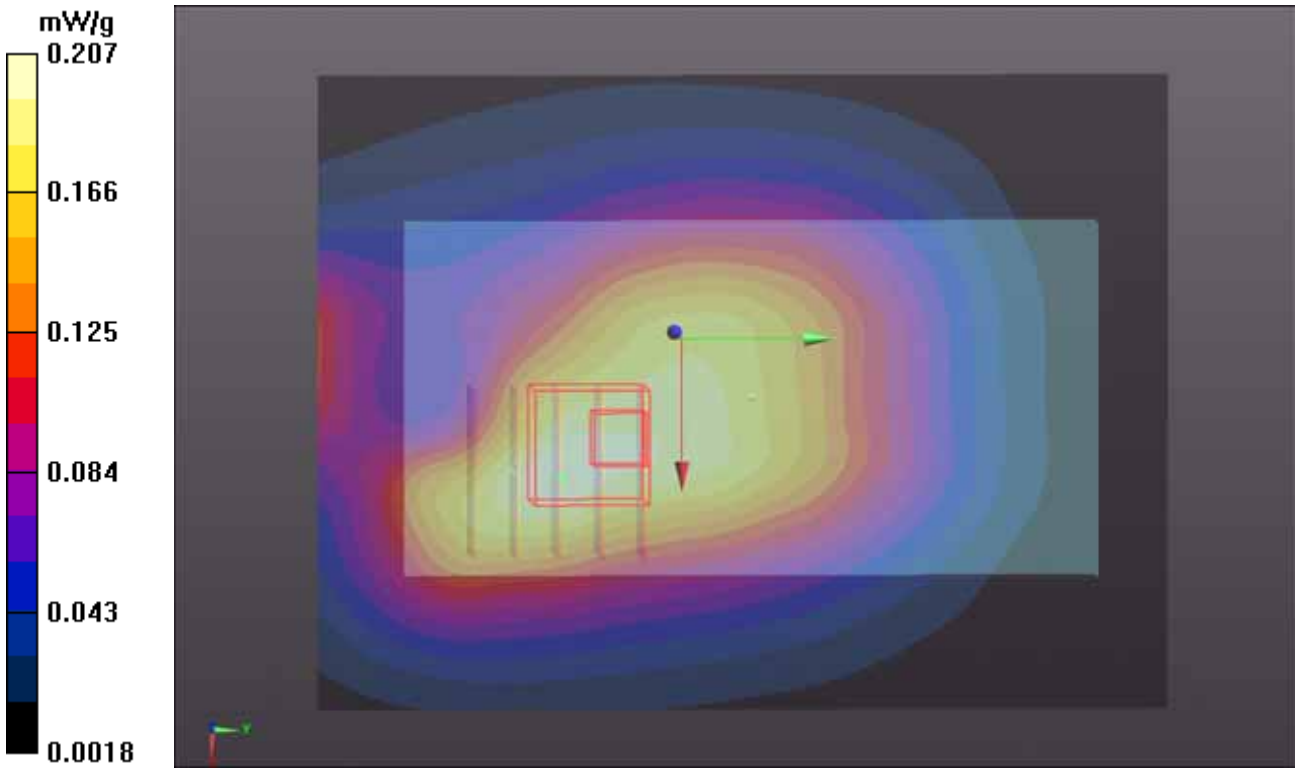
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.981 mho/m; $\varepsilon_r$ = 55.922; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.207 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.586 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.234 mW/g
**SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.121 mW/g**
Maximum value of SAR (measured) = 0.193 mW/g



# P41 GSM850_GPRS10_Rear Face _1cm_Ch189

**DUT: 120710C03**

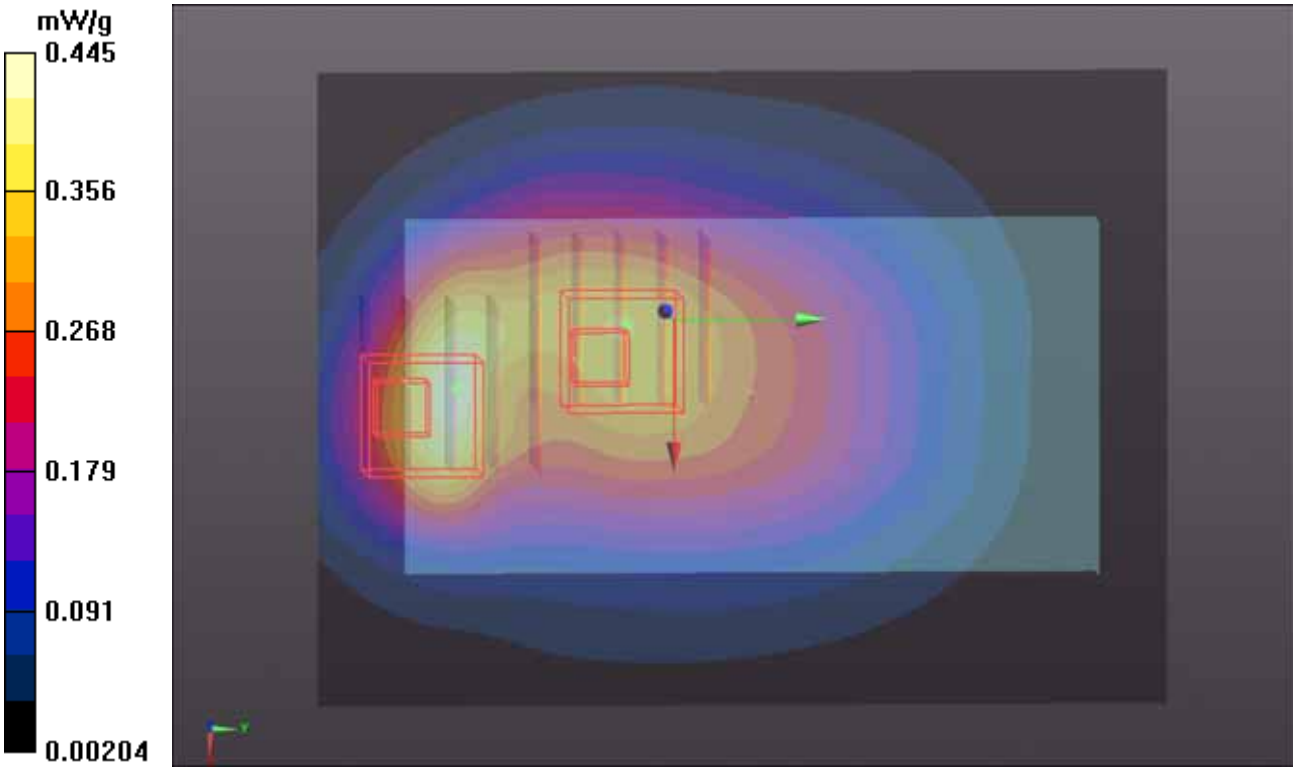
Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.981 mho/m; $\varepsilon_r$ = 55.922; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

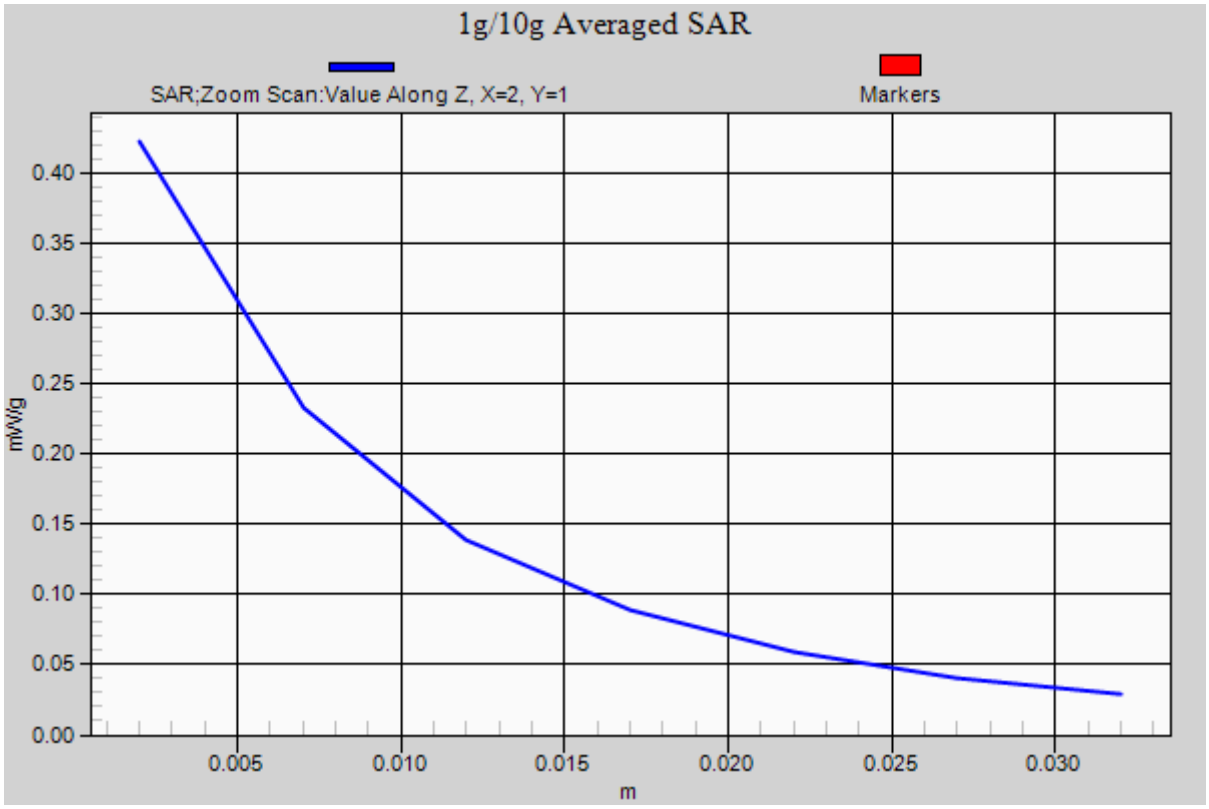
DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.445 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.308 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.424 mW/g
**SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.232 mW/g**
Maximum value of SAR (measured) = 0.372 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.308 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.553 mW/g
**SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.169 mW/g**
Maximum value of SAR (measured) = 0.423 mW/g




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

## P42 GSM850_GPRS10_Left Side _1cm_Ch189

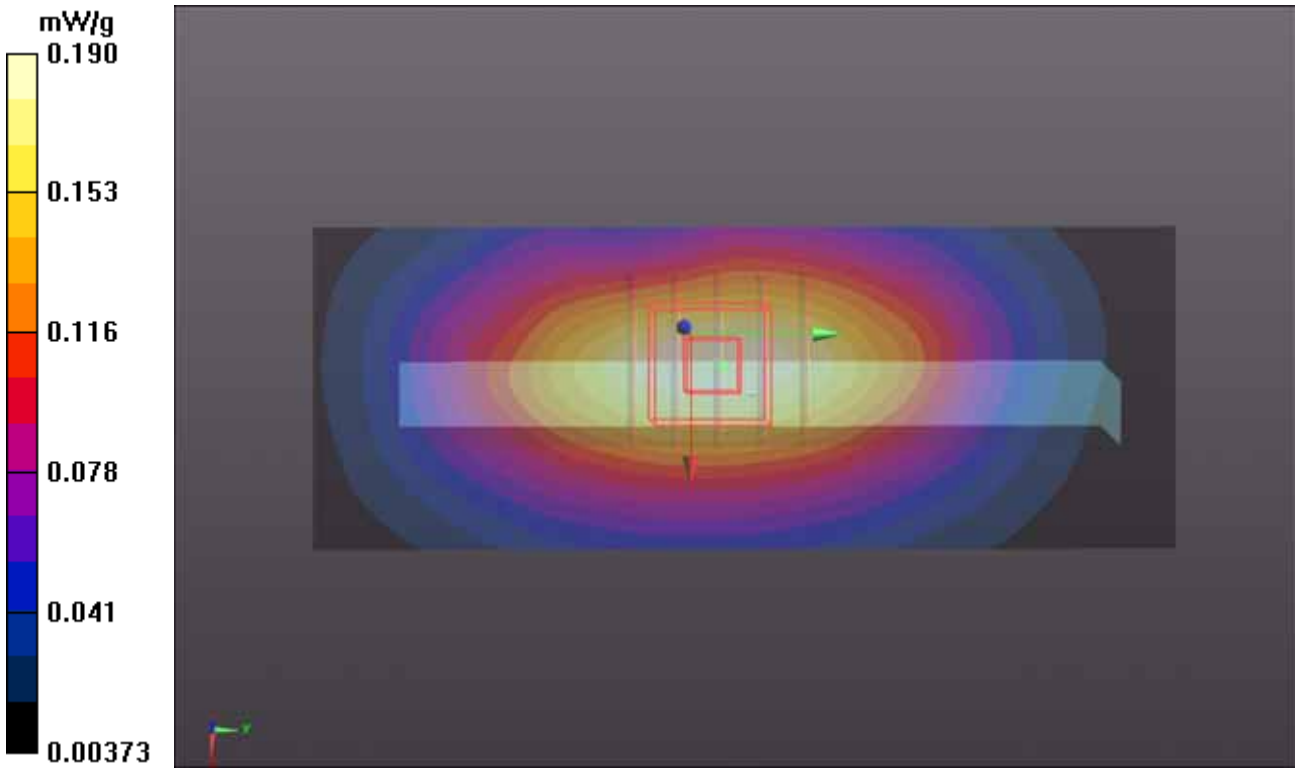
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.981 mho/m; $\varepsilon_r$ = 55.922; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.190 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.080 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.217 mW/g
**SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.109 mW/g**
Maximum value of SAR (measured) = 0.188 mW/g



## P43 GSM850_GPRS10_Right Side _1cm_Ch189

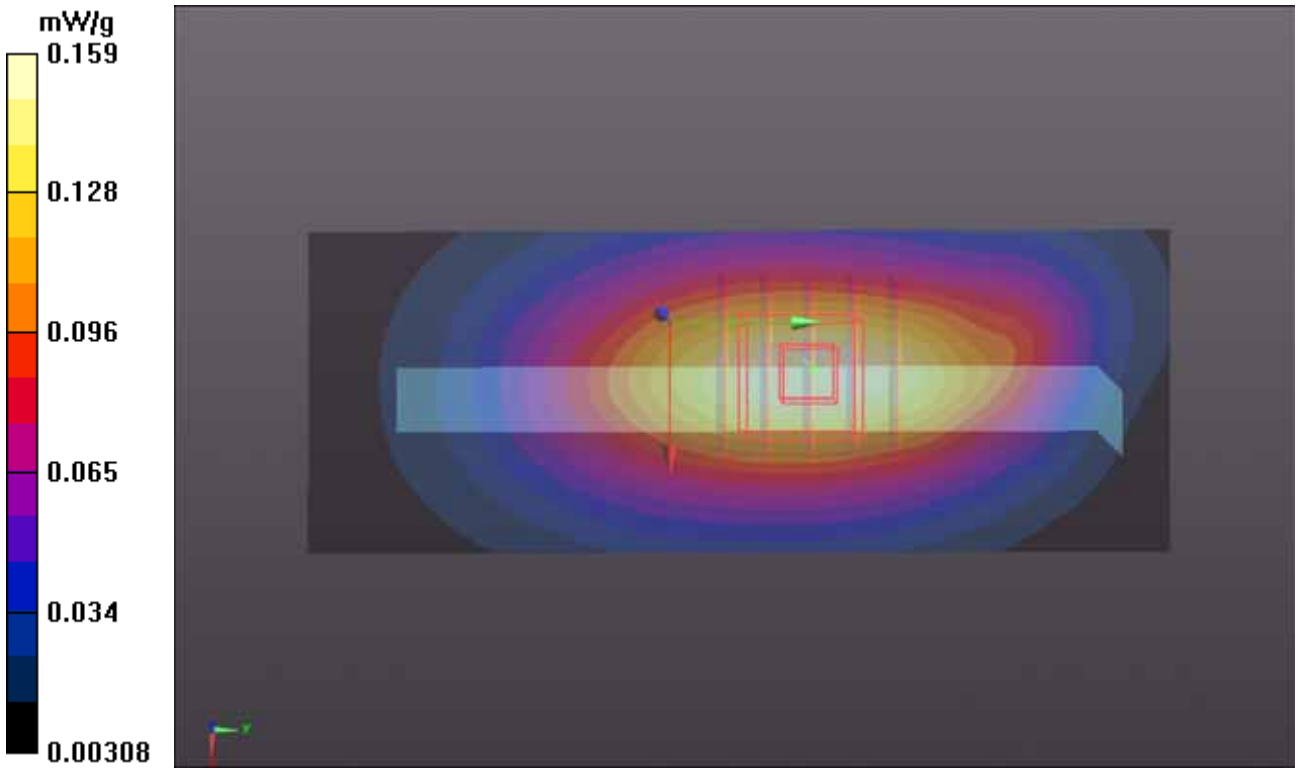
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.981 mho/m; $\varepsilon_r$ = 55.922; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.159 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.612 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.187 mW/g
**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.089 mW/g**
Maximum value of SAR (measured) = 0.160 mW/g



## P45 GSM850_GPRS10_Bottom Side _1cm_Ch189

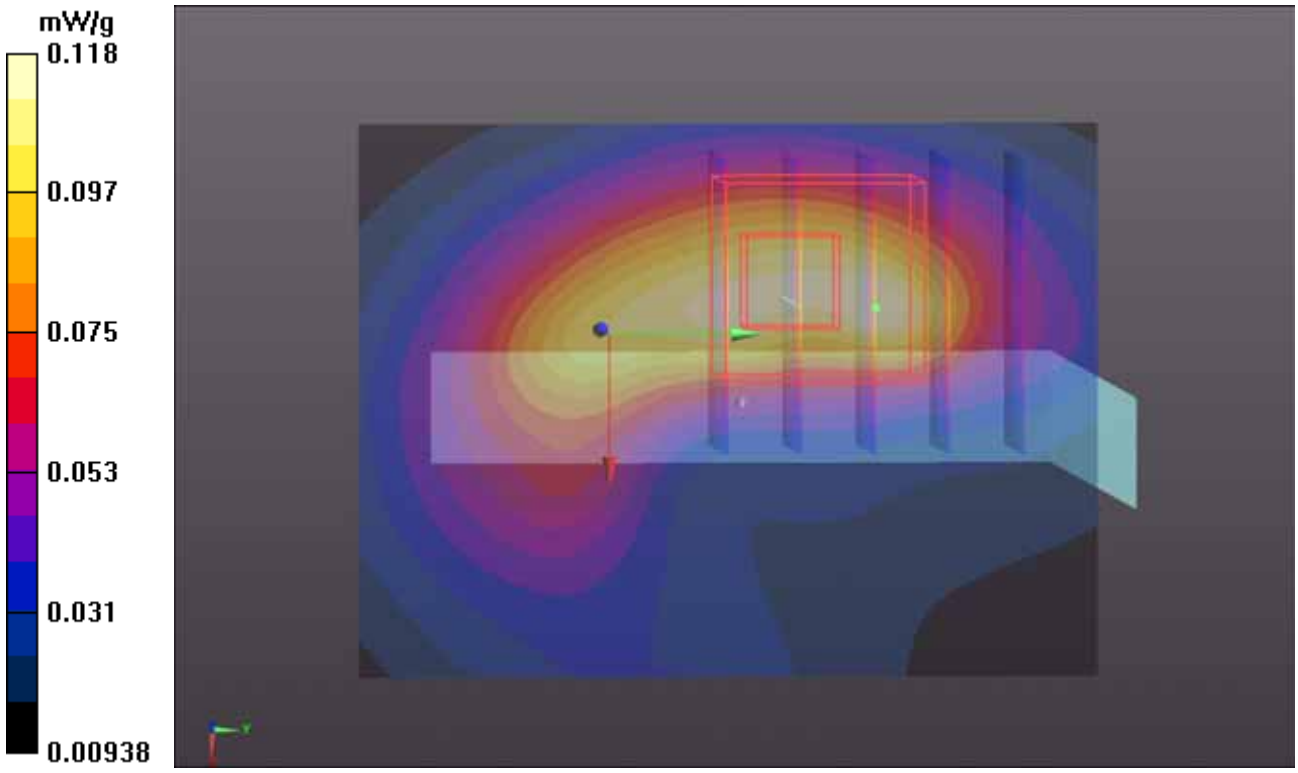
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.981 mho/m; $\varepsilon_r$ = 55.922; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (31x41x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.118 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.735 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.150 mW/g
**SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.053 mW/g**
Maximum value of SAR (measured) = 0.116 mW/g



# P46 GSM850_GPRS10_Front Face _1cm_Ch189_Earphone

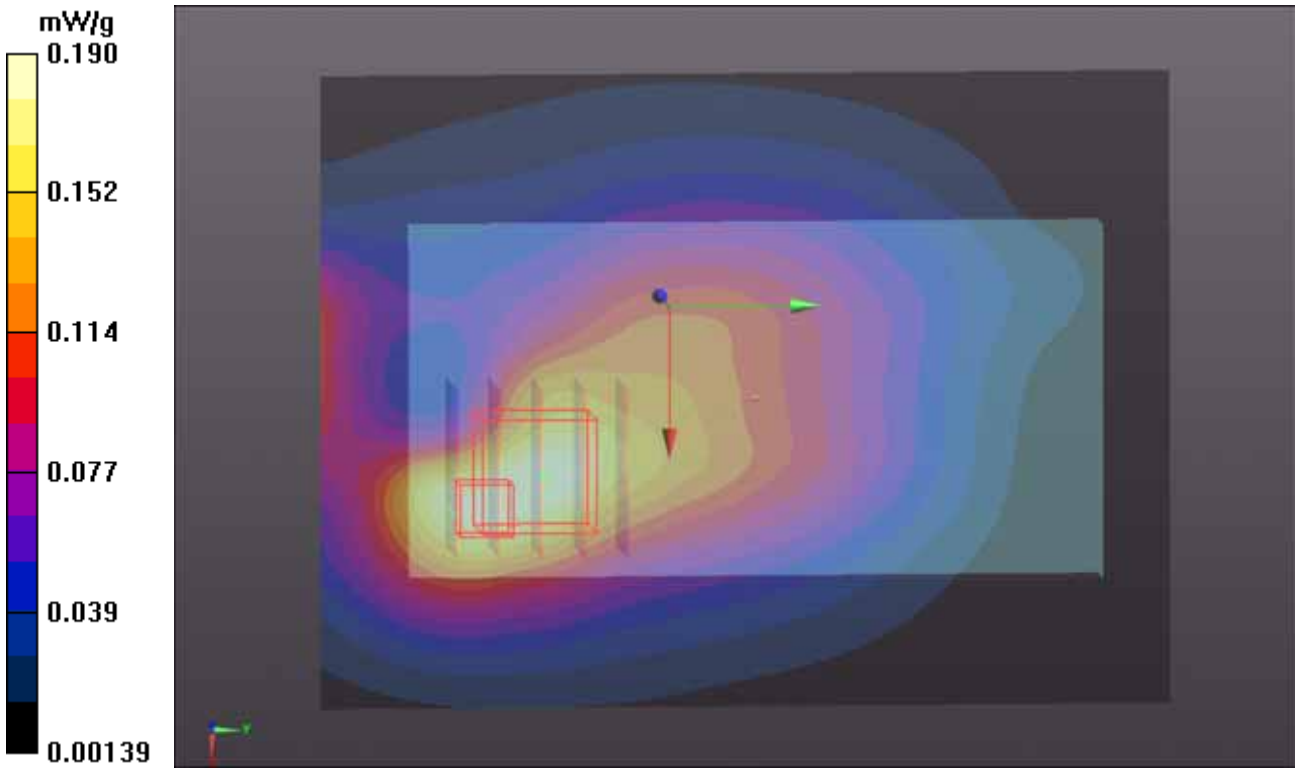
## DUT: 120710C03

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.981 mho/m; $\varepsilon_r$ = 55.922; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.190 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.091 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.356 mW/g
**SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.101 mW/g**
Maximum value of SAR (measured) = 0.202 mW/g



## P47 GSM850_GPRS10_Rear Face _1cm_Ch189_Earphone

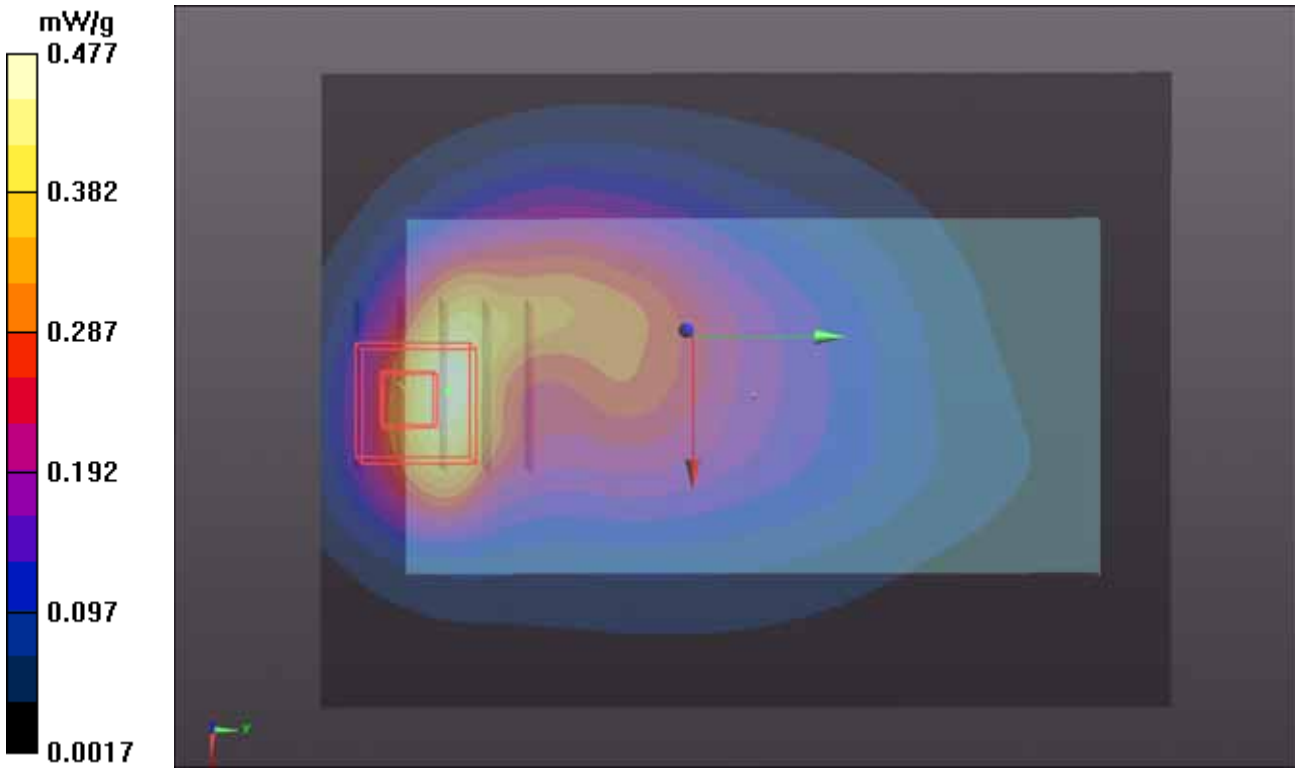
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: B835_0724 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.981 mho/m; $\varepsilon_r$ = 55.922; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(9.24, 9.24, 9.24); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch189/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.477 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.941 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.597 mW/g
**SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.171 mW/g**
Maximum value of SAR (measured) = 0.452 mW/g



## P48 GSM1900_GPRS10_Front Face_1cm_Ch810

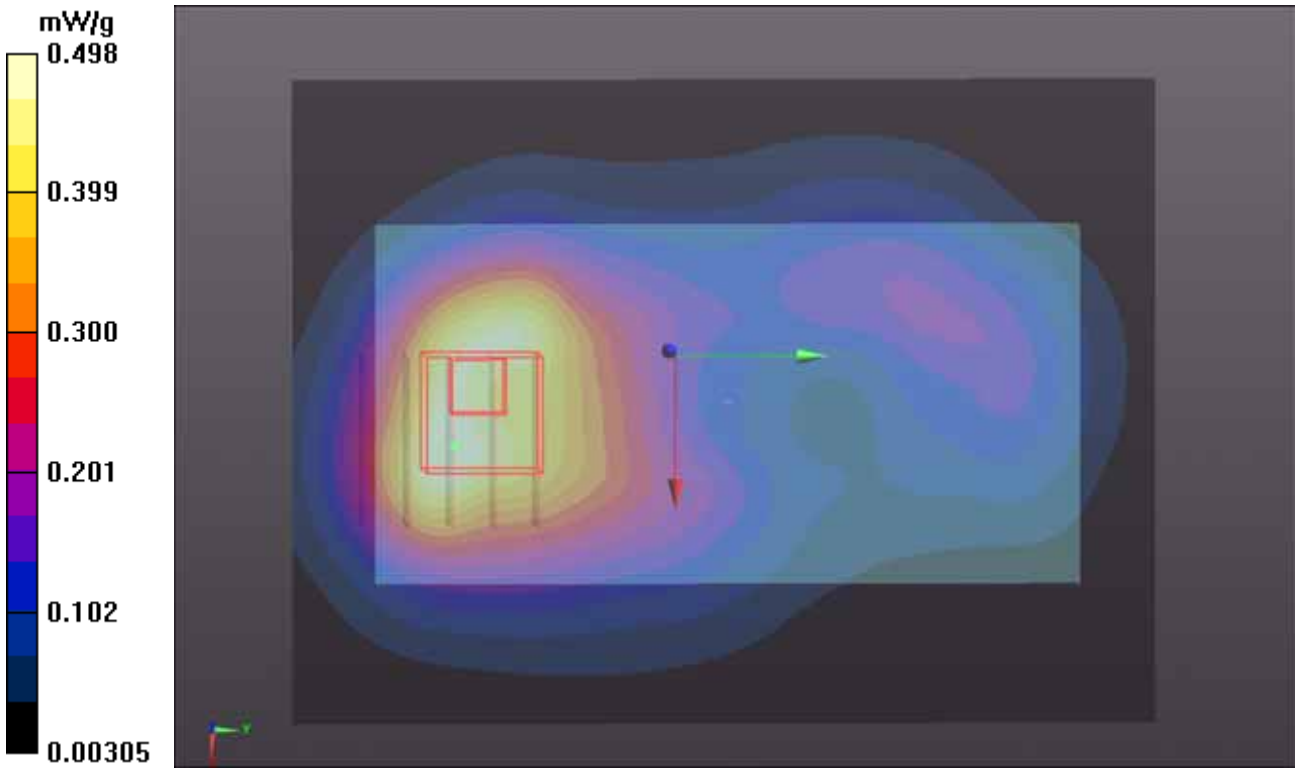
**DUT: 120710C03**

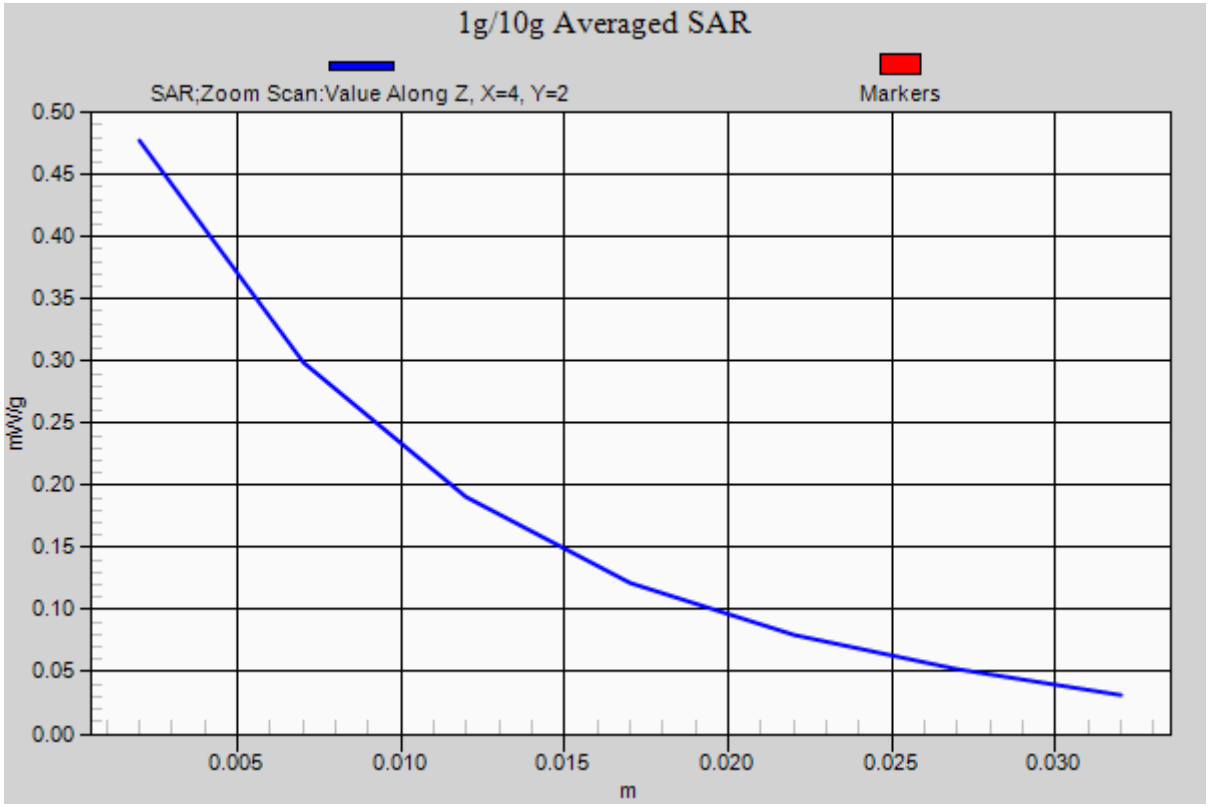
Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: B1900_0723 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.555 mho/m; $\varepsilon_r$ = 52.797; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.04, 8.04, 8.04); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch810/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.498 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.847 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.594 mW/g
**SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.211 mW/g**
Maximum value of SAR (measured) = 0.477 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=4, Y=2
Markers
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

## P49 GSM1900_GPRS10_Rear Face_1cm_Ch810

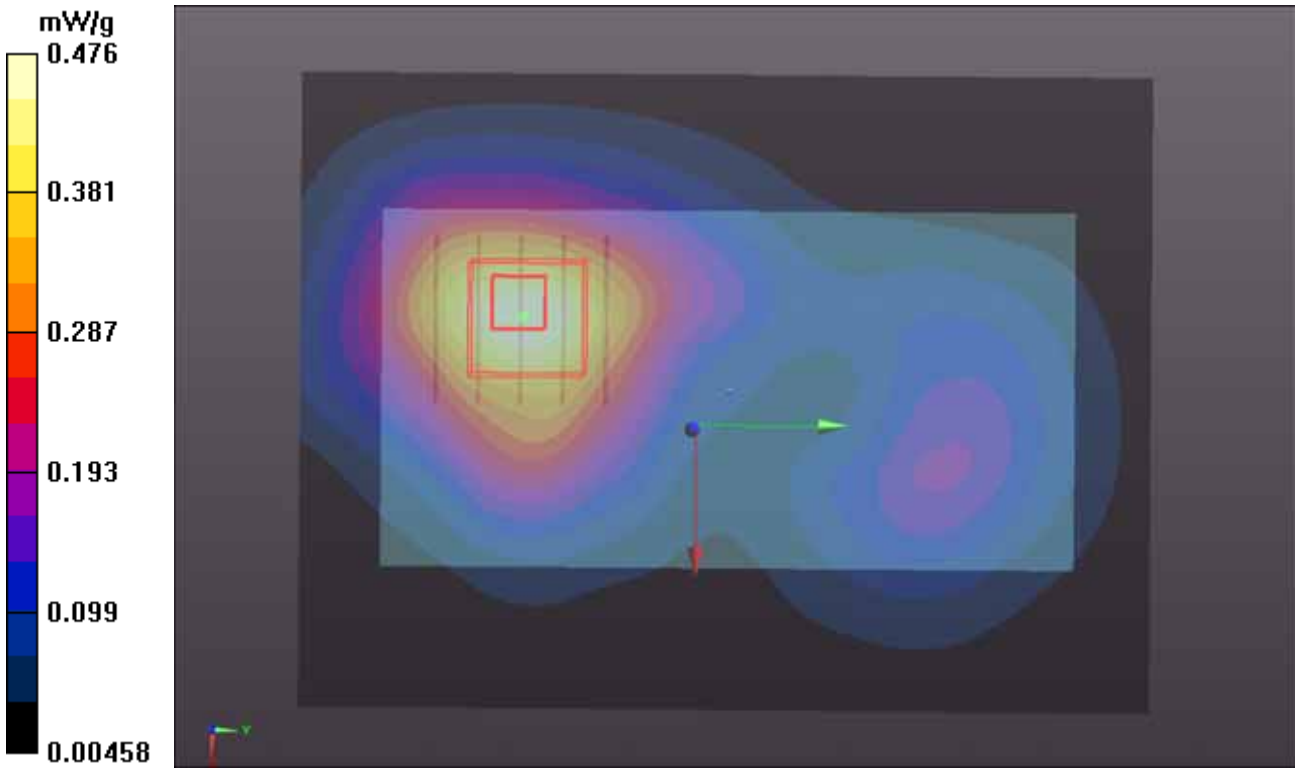
**DUT: 120710C03**

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: B1900_0723 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.555 mho/m; $\varepsilon_r$ = 52.797; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.04, 8.04, 8.04); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch810/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.476 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.329 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.525 mW/g
**SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.202 mW/g**
Maximum value of SAR (measured) = 0.420 mW/g



## P50 GSM1900_GPRS10_Left Side_1cm_Ch810

**DUT: 120710C03**

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: B1900_0723 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.555 mho/m; $\varepsilon_r$ = 52.797; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(8.04, 8.04, 8.04); Calibrated: 2011/12/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch810/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0681 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.266 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.081 mW/g
**SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.030 mW/g**
Maximum value of SAR (measured) = 0.0663 mW/g